Korea Laboratory Accreditation Scheme

CERTIFICATE OF ACCREDITATION

Korea Testing Instrument Calibration Center

Accreditation No. : KC00-005

Corporation Registration No. : 110111-2326216

Address of Laboratory : (Guro-dong, Samsung IT-valy), 708, 27, Digital-ro 33-gil, Guro-gu, Seoul, Republic of Korea

date of Initial Accreditation : Oct. 5, 2000.

Duration : Oct. 28, 2017. ~ Oct. 27, 2021.

Scope of Accreditation : Attached Annex

Date of issue : Jan. 10, 2019.

This Calibration laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025 : 2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated 8 January 2009).

LEE Seung Woo

Administrator
Korea Laboratory Accreditation Scheme

Korea Laboratory Accreditation Scheme(KOLAS) is a signatory of the ILAC mutual recognition arrangement

SCOPE OF ACCREDITATION TO ISO/IEC 17025-2005 & KS Q ISO/IEC 17025-2006

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CALIBRATION

Valid No : Oct. 27, 2021 Accreditation No. : KC00-005(1/131)

In recognition of the successful completion of the KOLAS evaluation process,
accreditation is granted to this laboratory to perform the following calibrations

Field Code	Measured Quantity Instrument or Gauge	on-site
102. Linear dimension		
10206	Dial/ cylinder gauge testers	N
10207	Doctor blades	Y
10209	End bars	N
10210	Extensometers, linear displacement transducers	Y
10211	Filler gauges	Y
10212	Film applicators	Y
10213	Gap gauges	Y
10216	Height gauges /measuring machines	Y
10220	Standard measuring machines	Y
10223	Electronic micrometers	N
10224	Height micrometers, riser blocks	N
10227	Standard tape rules, peripheral gauges	N
10228	Cylindrical plug/ pin gauges, thread measuring wire gauges	N
10229	Radius gauges	N
10230	Cylindrical ring gauges	N
10232	Step gauges	N
10233	Taper thickness gauges	N
10234	Ultrasonic thickness gauges	Y
10235	Ultrasonic/ coating thickness specimens	Y
10236	Coating thickness testers	Y
104. Form		
10404	Optical flats	N
10406	Parallel blocks	Y
10407	Precision surface plates	Y
10412	Straight edges	Y
10413	Straight rules	N
105. Complex geometry		
10503	Contact coordinate measuring machines	Y
10504	Non-contact coordinate measuring machines	Y
10511	Measuring microscopes, Profile projectors	Y
10512	Micro measuring microscopes	Y
10525	Thread plug gauges	N
10527	Thread ring gauges	N
106. Various dimensional		
10601	Inside/ outside/ gear tooth calipers, caliper gauges	Y
10603	Cylinder/bore gauges	Y
10604	Depth gauges, depth micrometers	Y
10605	Dial/digital gauges	Y
10608	Grind gauges	Y
10609	Micro indicators, test indicators	Y
10610	Micrometer heads	Y
10611	3-points micrometers	Y
10612	Inside micrometers	Y
10613	Outside micrometers	Y
10617	Standard sieves	N
10620	Welding gauges	N
201. Mass		
20106	Dial platform scale balances	Y
20109	Electric balances	Y
20112	Platform scale balances	Y
20113	Spring scale balances	Y
20116	Weights	N
202. Force		
20203	Tension/compression testing machines	N
20204	Push-pull gauges	N
203. Torque		
20302	Torque measuring devices	N
20303	Torque wrenches/drivers	N
204. Pressure		
20402	Manometers	Y
20406	Absolute pressure gauges	Y
20407	Blood pressure gauges	Y
20408	Compound pressure gauges	Y
20409	Differential pressure gauges	Y
20411	Gauge pressure gauges	Y
20412	Pressure transducers /transmitters	Y
20413	Dial type vacuum gauges	Y
20414	Water depth meters	Y
301. Time/frequency		
30102	Frequency standards	N
30103	General frequency sources	Y
30104	Frequency meters/ counters	Y
30105	Time interval sources	Y
30106	Time interval meters/ stop watches/timers	Y
302. Velocity & revolution		
30201	Standard RPM generators	Y
30202	Contact type tachometers	Y
30203	Photo tachometers/ stroboscopes	Y
401. DC voltage & current		
40101	DC ammeters	Y
40102	Transconductance amplifiers	Y
40103	DC voltage/current calibrators	Y
40104	Electrical temperature calibrators	Y
40105	DC current shunts	Y
40106	Galvanometers null detectors	Y
40107	Potentiometers	Y
40108	DC power supplies	Y
40112	DC voltmeters	Y
40113	Static/ionic voltmeters	N
402. Resistance, capacitance and inductance		
40201	Capacitance bridges/ indicators	Y
40202	Decade capacitors	Y
40204	Standard capacitors	Y
40205	Earth testers	Y
40206	Inductance bridges/ indicators	Y
40208	Inductors	Y
40210	Insulation testers	Y
40213	Resistance bridges & similar instruments	Y
40214	Resistance meters	Y
40215	Resistors	Y
40217	Impedance bridges/ LCR meters	Y
403. AC voltage, current & power		
40301	AC ammeters	Y
40302	Clamp ammeters/ voltmeters	Y
40303	AC voltage/ current calibrators	Y

Field Code	Measured Quantity Instrument or Gauge	on-site
40305	AC current shunts	Y
40307	Voltage/current phase angle meters /synchro resolve meters	Y
40310	Power factor meters	Y
40311	AC power meters	Y
40312	AC power supplies	Y
40313	Puncture/ safety testers	Y
40314	Power recorders	Y
40318	AC voltmeters	Y
404. Other DC & LF measurements		
40401	LF amplifiers	Y
40402	DC/LF attenuators	Y
40403	Multimeter calibrators	Y
40404	Oscilloscope calibrators	Y
40406	Video signal generators	Y
40407	Audio distortion analyzers/meters	Y
40408	LF filters	Y
40409	LF/audio signal analyzers	Y
40410	Line frequency meters	Y
40411	Function generators	Y
40413	AC/DC high voltage voltmeters	Y
40414	LF impulse generators	Y
40416	Leakage current testers	Y
40417	Electronic AC/DC loads	Y
40418	Modulation meters	Y
40419	Analogue/ digital multimeters	Y
40420	Noise meters	Y
40421	Oscilloscopes	Y
40422	LF phase meters	Y
40423	Random wave generators	Y
40424	Voltage/current recorders	Y
40425	Relay test sets	Y
40426	LF signal generators	Y
40427	LF spectrum analyzers	Y
40429	Sweep generators	Y
40432	Transistor curve tracers	Y
40433	Waveform analyzers	Y
40434	AC/DC high voltage generators	Y
40435	AC/DC high voltage probes	Y
40436	Logic analyzers	Y
40437	Telephone testers	Y
40438	Video signal analyzers	Y
406. Radio frequency measurement		
40601	RF amplifiers	Y
40602	Coaxial attenuators	Y
40604	BER(Bit Error Rate) testers	Y
40605	Burst pulse generators	Y
40607	RF power meter calibrators	Y
40608	EMC transduces; current probes, absorbing clamps, etc.	Y
40610	Coaxial directional couplers/splitters	Y
40612	DS1/DS3 communications systems	Y
40613	Electrostatic discharge generators	N
40614	EMC receivers	Y
40615	RF filters	Y
40616	RF impedance meters	Y
40617	RF impulse generators	Y
40618	Line impedance stabilization networks; LISN, CDN, ISN, etc.	Y
40619	Coaxial standard mismatches	Y
40621	Mobile communication test sets	Y
40622	Modulation meters	Y
40623	Network analyzers	Y
40624	Noise figure meters	Y
40625	Noise generators	Y
40626	Noise impulse simulators	Y
40631	RF phase meters	Y
40635	RF power meters	Y
40636	Diode power sensors	Y
40637	Thermocouple power sensors	Y
40638	Pulse generators	Y
40639	Radar test sets	Y
40640	RF signal generators	Y
40641	RF spectrum analyzers	Y
40643	Surge generators	Y
40644	SWR meters	Y
40645	RF terminations	Y
40646	Coaxial thermistor mounts	Y
40648	Transmission trouble testers	Y
40650	RF voltmeters	Y
40651	Vector voltmeters	Y
40652	Field strength meters	Y
40653	AM/FM test sources	Y
40654	Dip simulators	Y
407. Field strength & antenna		
40704	Loop antennas	N
501. Contact thermometry		
50101	Temperature generators; ovens, furnaces, isothermal liquid baths, ice-point baths, dry-block calibrators	Y
50102	Temperature indicators/ recorders/ controllers, temperature calibrators	Y
50103	Glass thermometers; liquid-in-glass, Beckmann	N
50104	Resistance thermometers; SPRT, IPRT, thermistors, etc.	Y
50105	Thermal expansion thermometers; bimetal, gas or liquid type	Y
50106	Thermomecouples; noble metal, base metal pure metal, special type, etc.	N
50107	Temperature transducers	Y
50109	Others; quartz, semiconductivity, optical fiber, etc.	Y
502. Non contact thermometry		
50204	Standard radiation thermometers	N
50205	Thermal image apparatus	N
50206	Blackbody furnaces	Y
50207	Others; ear thermometers, etc.	N
503. Humidity		
50302	Relative humidity hygrometers; polimer thin film, hair, etc.	N
50304	Temperature humidity recorders; Hygrothermograph, etc.	N
50305	Transducers; dew-point/ relative humidity	N
50306	Humidity generators; two-pressure, two-temperature, flow mixing humidity gererator, constant temperature and humidity chamber, etc.	Y
601. Sound in air		
60106	Sound level meters	Y
603. Vibration		
60301	Vibration calibrators	N
60302	Vibration transducers	N
60303	Vibration measuring instruments	N
701. Photometry		
70101	Iluminance meters	N
704. Fiber optics		
70402	Broadband light sources	Y
70410	Optical attenuators	Y
70411	Optical couplers	Y
70413	Optical loss testers	Y
70415	Optical multimeters	Y
70416	Optical network analyzers	Y
70417	Optical spectrum analyzers	Y
70418	Optical time domain reflectometers; OTDR	Y
70419	PDH/SDH analyzers	Y
70423	Return loss meters	Y
70424	SDH/SONET analyzers	Y

Field Code	Measured Quantity Instrument or Gauge	on-site	Field Code	Measured Quantity Instrument or Gauge	on-site	Field Code	Measured Quantity Instrument or Gauge	on-site
70426	Multi-laser wavelength meters	Y						
70427	Wavelength sweep multichannel measuring systems	Y						
70429	Frequency stabilized lasers and LDs	Y						
70430	ASE light sources	Y						
70433	Optical power stabilized lasers and LDs	Y						
901. Chemical analysis								
90103	Gas analyzers	N						

Note

1. This laboratory provides calibration services in permanent standard laboratory and at on-site.

2. Laboratory conducts on-site calibration should meet requirements of KOLAS-SR-008.

3. On-site calibration is allowed to items with marking 'Y', not allowed to items with marking 'N'.

4. Calibration and Measurement Capability (CMC) means capabilities provided by accredited calibration laboratories. It expresses the lowest uncertainty of measurement that can be achieved during a calibration. CMC normally is quoted as an expanded uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of k=2.

5.Due to the calibration environment such as reference standards or customers' facilities, it is note that uncertainty of measurement on a calibration certificate may be expressed larger than CMC on scope of accreditation in general.

102. Linear dimension

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Dial/cylinder gauge testers	10206	(0 ~ 100) mm	$\sqrt{0.62^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Gauge block /KTICC-CI-10206
Doctor blades	10207	(0 ~ 10) mm	2.6 μm	Electronic micrometer /KTICC-CI-10207
End bars	10209	(0 ~ 100) mm	$\sqrt{0.78^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Gauge block/KTICC-CI-10209
Extensometers, linear displacement transducers	10210	(0 ~ 500) mm	$\sqrt{1.3^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Gauge block/KTICC-CI-10210
Filler gauges	10211	(0 ~ 5) mm	1.4 μm	Outside micrometer /KTICC-CI-10211
Film applicators	10212	(0 ~ 1) mm	2.6 μm	Electronic micrometer /KTICC-CI-10212
Gap gauges	10213	(1 ~ 150) mm	$\sqrt{2.6^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Height micrometer /KTICC-CI-10213
Height gauges/ measuring machines	10216	(0 ~ 1 000) mm	$\sqrt{1.4^2 + (0.003 \times l)^2}$ μm (l unit : mm)	Gauge block /KTICC-CI-10216
Standard measuring machines	10220	(0 ~ 300) mm	$\sqrt{0.4^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Gauge block/KTICC-CI-10220
Electronic micrometers	10223	(0 ~ 10) mm	0.15 μm	Gauge block/KTICC-CI-10223
Height micrometers, riser blocks Height micrometers Block Head Riser blocks	10224	 (0 ~ 610) mm (0 ~ 25) mm (0 ~ 600) mm	 $\sqrt{1.0^2 + (0.003 \times l)^2}$ μm $\sqrt{0.68^2 + (0.002 \times l)^2}$ μm $\sqrt{1.0^2 + (0.003 \times l)^2}$ μm (l unit : mm)	Gauge block /KTICC-CI-10224
Standard tape rules, peripheral gauges	10227	 (0 ~ 5) m (5 ~ 20) m (20 ~ 50) m	 $\sqrt{0.07^2 + (0.010 \times l)^2}$ mm $\sqrt{0.22^2 + (0.010 \times l)^2}$ mm $\sqrt{0.62^2 + (0.011 \times l)^2}$ mm (l unit : m)	Standard rules /KTICC-CI-10227
Cylindrical plug/pin gauges, thread measuring wire gauges	10228	(0 ~ 25) mm (0 ~ 10) mm	1.2 μm 0.4 μm	Laserscan micrometer Standard measuring machine /KTICC-CI-10228
Radius gauges	10229	(0.4 ~ 100) mm	1.9 μm	Non-contact coordinate measuring machine /KTICC-CI-10229
Cylindrical ring gauges	10230	(5 ~ 200) mm	$\sqrt{0.6^2 + (0.006 \times D)^2}$ μm (D unit : mm)	Standard measuring machines /KTICC-CI-10230
Step gauges	10232	(0 ~ 670) mm	$\sqrt{1.0^2 + (0.003 \times l)^2}$ μm (l unit : mm)	Gauge block/KTICC-CI-10232
Taper thickness gauges	10233	(0 ~ 90) mm	2.1 μm	Non-contact coordinate measuring machine /KTICC-CI-10233
Ultrasonic thickness gauges	10234	(0 ~ 300) mm	1.9 μm	Ultrasonic test block /KTICC-CI-10234
Ultrasonic/ coating thickness specimens Ultrasonic test blocks	10235	 (0 ~ 25) mm (0 ~ 500) mm	 0.8 μm $\sqrt{1.4^2 + (0.002 \times l)^2}$ mm (l unit : mm)	Outside micrometer, Gauge block KTICC-CI-10235
Coating thickness testers	10236	(0 ~ 1.5) mm (1.5 ~ 7.8) mm	1.7 μm 2.0 μm	Coating standard specimens /KTICC-CI-10236

104. Form

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Optical flats	10404	(0 ~ 60) mm	0.11 μm	Optical flats /KTICC-CI-10404
Parallel blocks Parallelism Flates	10406	 (0 ~ 300) mm (0 ~ 300) mm	 1.1 μm 1.1 μm	Electronic micrometer /KTICC-CI-10406
Precision surface plates Diagonal length	10407	(0 ~ 5 000) mm	5.2 μm	Electronic levels /KTICC-CI-10407
Straight edges Straightness Parallelism	10412	 (0 ~ 2 500) mm (0 ~ 2 500) mm	 4.2 μm 4.2 μm	Electronic levels /KTICC-CI-10412
Straight rules	10413	(0 ~ 2 000) mm	$\sqrt{0.06^2 + (0.010 \times l)^2}$ mm (l unit : m)	Standard rules /KTICC-CI-10413

105. Complex geometry

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Contact coordinate measuring machines Axis accuracy	10503	(0 ~ 1 000) mm	$\sqrt{0.8^2 + (0.003 \times l)^2}$ μm (l unit : mm)	Step gauge /KTICC-CI-10503
Non-contact coordinate measuring machines Axis accuracy Squreness	10504	 (0 ~ 500) mm (0 ~ 490) mm	 $\sqrt{0.5^2 + (0.002 \times l)^2}$ μm 4.1 μm (l unit : mm)	Standard scales /KTICC-CI-10504
Measuring microscopes, Profile projectors Axis accuracy Squreness	10511	 (0 ~ 500) mm (0 ~ 490) mm	 $\sqrt{0.86^2 + (0.003 \times l)^2}$ μm 4.1 μm (l unit : mm)	Standard scales /KTICC-CI-10511
Micro measuring microscopes	10512	(0 ~ 30) mm	$\sqrt{5^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Standard scales /KTICC-CI-10512
Thread plug gauges Outside diameter Effective diameter Pitch Half angle	10525	 (0 ~ 200) mm (0 ~ 200) mm (0.2 ~ 5) mm (0 ~ 45)°	 1.8 μm 2.1 μm 1.3 μm 2′	Standard measuring machine /KTICC-CI-10525
Thread ring gauges Bore diameter Effective diameter Pitch	10527	 (5 ~ 100) mm (5 ~ 100) mm (0.5 ~ 5) mm	 2.1 μm 1.7 μm 0.7 μm	Standard measuring machine /KTICC-CI-10527

106. Various dimensional

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Inside/outside/gear tooth calipers, Caliper gauges	10601	(0 ~ 1 000) mm (0 ~ 120) mm	$\sqrt{9.2^2 + (0.002 \times l)^2}$ μm $\sqrt{5.8^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Caliper checker, Gauge block /KTICC-CI-10601
Cylinder/bore gauges	10603	(0 ~ 500) mm	0.4 μm	Dial gage tester /KTICC-CI-10603
Depth gauges, depth micrometers	10604	(0 ~ 600) mm (0 ~ 300) mm	$\sqrt{7.4^2 + (0.003 \times l)^2}$ μm $\sqrt{1.4^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Gauge block/KTICC-CI-10604
Dial/digital gauges	10605	(0 ~ 100) mm	0.58 μm	Dial gage tester /KTICC-CI-10605
Grind gauges Slope depth Scraper straightness	10608	 (0 ~ 1) mm (0 ~ 1) mm	 2.6 μm 1.3 μm	Electronic micrometer /KTICC-CI-10608
Micro indicators, Test indicators	10609	(0 ~ 2) mm (0 ~ 2) mm	0.74 μm 0.74 μm	Dial gage tester /KTICC-CI-10609
Micrometer heads	10610	(0 ~ 50) mm	$\sqrt{1.0^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Gauge block /KTICC-CI-10610
3-points micrometers	10611	Ø(2 ~ 100) mm	1.2 μm	Ring gauge /KTICC-CI-10611
Inside micrometers Bar type micrometers	10612	(0 ~ 300) mm (0 ~ 300) mm	$\sqrt{1.2^2 + (0.002 \times l)^2}$ μm $\sqrt{1.2^2 + (0.002 \times l)^2}$ μm (l unit : mm)	Gauge block /KTICC-CI-10612
Outside micrometers V-anvil micrometers	10613	(0 ~ 300) mm (300 ~ 1 000) mm (1 ~ 25) mm	$\sqrt{0.9^2 + (0.002 \times l)^2}$ μm $\sqrt{2.3^2 + (0.002 \times l)^2}$ μm 1.2 μm (l unit : mm)	Gauge block, Pluge gauge /KTICC-CI-10613
Standard sieves Wire rod diameter Sieve opening	10617	 (0 ~ 10) mm (0 ~ 150) mm	 2.4 μm 3.4 μm	Non-contact coordinate measuring machine /KTICC-CI-10617
Welding gauges Length Angle	10620	 (0 ~ 90) mm (0 ~ 180)°	 6.1 μm 4.8′	Non-contact coordinate measuring machine /KTICC-CI-10620

201. MASS

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Dial platform scale balances	20106	(0 ~ 1) kg (1 ~ 10) kg (10 ~ 50) kg (50 ~ 100) kg (100 ~ 200) kg	2.9 g 15 g 62 g 0.15 kg 0.29 kg	Weight/KTICC-CI-20106
Electric balances	20109	(0 ~ 5) g (5 ~ 101) g (101 ~ 230) g (230 ~ 410) g (0.41 ~ 1.2) kg (1.2 ~ 10.1) kg (10.1 ~ 21) kg (21 ~ 31) kg (31 ~ 41) kg (41 ~ 101) kg (101 ~ 300) kg (300 ~ 500) kg	36 µg 0.11 mg 0.32 mg 0.32 mg 1.5 mg 9.5 mg 18 mg 30 mg 68 mg 1.1 g 10 g 12 g	Weight/KTICC-CI-20109
Platform scale balances	20112	(0 ~ 50) kg (50 ~ 100) kg (100 ~ 200) kg	8 g 18 g 35 g	Weight/KTICC-CI-20112
Spring scale balances	20113	(0 ~ 1) kg (1 ~ 10) kg (10 ~ 50) kg (50 ~ 100) kg	2.9 g 15 g 62 g 0.15 kg	Weight/KTICC-CI-20113
Weights	20116	1 mg ~ 20 kg 1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g 500 g 1 kg 2 kg 5 kg 10 kg 20 kg	Class F1 4.6 µg 4.6 µg 4.6 µg 4.6 µg 5.2 µg 6.6 µg 6.6 µg 7.4 µg 9.2 µg 17 µg 18 µg 21 µg 24 µg 28 µg 33 µg 0.12 mg 0.15 mg 0.27 mg 0.51 mg 1.0 mg 2.7 mg 5.1 mg 10 mg	Weight/KTICC-CI-20116

202. Force

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Tension/compression testing machines	20203			Load Cell /KTICC-CI-20203
Tension		(30 ~ 300) N	1.1×10^{-3}	
		(0.3 ~ 1) kN	1.0×10^{-3}	
		(1 ~ 3) kN	1.1×10^{-3}	
		(3 ~ 20) kN	1.0×10^{-3}	
Compression		(30 ~ 300) N	1.1×10^{-3}	
		(0.3 ~ 1) kN	1.0×10^{-3}	
		(1 ~ 3) kN	1.1×10^{-3}	
		(3 ~ 5) kN	1.0×10^{-3}	
		(5 ~ 10) kN	1.1×10^{-3}	
		(10 ~ 50) kN	1.2×10^{-3}	
		(50 ~ 2 000) kN	1.3×10^{-3}	
Push-pull gauges	20204			Weight/KTICC-CI-20204
Push, Pull		(1 ~ 500) N	1.3×10^{-3}	

203. Torque

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Torque measuring devices	20302			Torque calibration system /KTICC-CI-20302
		(0.1 ~ 1) N·m	1.1×10^{-3}	
		(1 ~ 5) N·m	5.3×10^{-4}	
		(5 ~ 10) N·m	2.6×10^{-4}	
		(10 ~ 20) N·m	5.9×10^{-4}	
		(20 ~ 200) N·m	1.6×10^{-4}	
Torque wrenches/drivers	20303			Torque calibration system Standard weights, Torque cell /KTICC-CI-20303
		(0.1 ~ 1.0) N·m	3.1×10^{-2}	
		(1 ~ 5) N·m	6.9×10^{-3}	
		(5 ~ 10) N·m	8.1×10^{-3}	
		(10 ~ 25) N·m	3.0×10^{-3}	
		(25 ~ 50) N·m	4.8×10^{-3}	
		(50 ~ 100) N·m	4.3×10^{-3}	
		(100 ~ 250) N·m	1.9×10^{-3}	
		(250 ~ 500) N·m	4.7×10^{-3}	
		(500 ~ 1 000) N·m	3.7×10^{-3}	

204. Pressure

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Manometers	20402			Pressure generator & controller
Well, U type		(0 ~ 200) kPa	8.1×10^{-4}	/KTICC-CI-20402
Inclined tube		(0 ~ 10) kPa	3.8×10^{-4}	
Absolute pressure gauges	20406			Pressure generator & controller
		(75 ~ 135) kPa abs.	6.8×10^{-5}	/KTICC-CI-20406
		(0.135 ~ 7)Mpa abs.	5.0×10^{-5}	
Blood pressure gauges	20407	(0 ~ 40) kPa	2.3×10^{-4}	Pressure generator & controller /KTICC-CI-20407
Compound pressure gauges	20408	(-0.095 ~ 7) MPa	1.3×10^{-4}	Deadweight tester Pressure generator & controller /KTICC-CI-20408
Differential pressure gauges	20409			Pressure generator & controller
Air		(0 ~ 3) MPa	2.9×10^{-4}	/KTICC-CI-20409
Gauge pressure gauges	20411			Deadweight tester
Gauge pressure gauges				/KTICC-CI-20411
Air		(0 ~ 40) kPa	1.7×10^{-4}	
		(0.04 ~ 10) MPa	1.0×10^{-4}	
Oil		(0.1 ~ 110) MPa	1.1×10^{-4}	
Pressure transducers/transmitters	20412			Deadweight tester
Air		(-95 ~ 0) kPa	1.2×10^{-4}	/KTICC-CI-20412
		(0 ~ 40) kPa	1.7×10^{-4}	
		(0.04 ~ 10) MPa	1.2×10^{-4}	
Oil		(0.1 ~ 110) MPa	1.2×10^{-4}	
Dial type vacuum gauges	20413	(-95 ~ 0) kPa	4.9×10^{-4}	Pressure generator & controller /KTICC-CI-20413
Water depth meters	20414	(0 ~ 100) m	1.4×10^{-4}	Pressure generator & controller /KTICC-CI-20414

301. Time/frequency

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Frequency standards	30102	(1 ~ 10) MHz	4.1×10^{-13}	Frequency standard /KTICC-CI-30102
General frequency sources	30103	(1 ~ 10) MHz	4.1×10^{-13}	Frequency standard /KTICC-CI-30103
Frequency meters/counters	30104			Frequency Standard
Compared to the frequency standard		10 MHz	7.6×10^{-12}	/KTICC-CI-30104
Input Frequency		1 Hz ~ 5 GHz	1.2×10^{-10}	
		(5 ~ 40) GHz	1.3 Hz	
Reference Output		(1 ~ 10) MHz	4.1×10^{-13}	
Time interval sources	30105			Frequency Counter
		1 ns ~ 1 s	6.1×10^{-6}	/KTICC-CI-30105
		(1 ~ 5) s	1.2×10^{-6}	
Time interval meters/stop watches/timers	30106			Watch test equipmnent, Oscilloscope
Stop watches		(0.1 ~ 86 400) s	1.4×10^{-7}	/KTICC-CI-30106
Time interval meters/timers		(1 ~ 10 000) s	6.1×10^{-5}	

302. Velocity & revolution

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Standard RPM generators	30201	(30 ~ 600) min^{-1} (600 ~ 6 000) min^{-1} (6 000 ~ 60 000) min^{-1}	0.3 min^{-1} 0.9 min^{-1} 9 min^{-1}	Frequency Counter /KTICC-CI-30201
Contact type tachometers	30202	(6 ~ 600) min^{-1} (600 ~ 4 000) min^{-1}	0.058 min^{-1} 0.06 min^{-1}	RPM Calibration system /KTICC-CI-30202
Photo tachometers/storoboscopes Photo tachometers Stroboscope	30203	(6 ~ 60) min^{-1} (60 ~ 600) min^{-1} (600 ~ 6 000) min^{-1} (6 000 ~ 540 000) min^{-1} (30 ~ 300 000) min^{-1}	0.007 min^{-1} 0.009 min^{-1} 0.06 min^{-1} 0.6 min^{-1} 0.01 min^{-1}	RPM Calibration system /KTICC-CI-30203

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
DC ammeters	40101	(±)		Meter calibrator
DC Current		(0 ~ 19) nA	2.3×10^{-4}	/KTICC-CI-40101
		(19 ~ 190) nA	1.2×10^{-4}	
		(0.19 ~ 1.9) μA	5.2×10^{-5}	
		(1.9 ~ 19) μA	3.2×10^{-5}	
		(19 ~ 190) μA	1.8×10^{-5}	
		(0.19 ~ 1) mA	4.3×10^{-5}	
		(1 ~ 10) mA	4.0×10^{-5}	
		(10 ~ 19) mA	3.8×10^{-5}	
		(19 ~ 100) mA	5.3×10^{-5}	
		(100 ~ 190) mA	5.0×10^{-5}	
		(0.19 ~ 1) A	9.4×10^{-5}	
		(1 ~ 1.9) A	8.9×10^{-5}	
		(1.9 ~ 2) A	9.0×10^{-5}	
		(2 ~ 10) A	7.0×10^{-4}	
		(10 ~ 20) A	5.5×10^{-4}	
		(20 ~ 100) A	7.0×10^{-4}	
Transconductance amplifiers	40102	(±)		DMM, Current shunt
DC Current		(0 ~ 1) mA	1.4×10^{-5}	Meter calibrator
		(1 ~ 10) mA	1.5×10^{-5}	/KTICC-CI-40102
		(10 ~ 100) mA	1.8×10^{-5}	
		(0.1 ~ 1) A	6.0×10^{-5}	
		(1 ~ 10) A	8.9×10^{-5}	
		(10 ~ 100) A	5.8×10^{-4}	
AC Current		(0.04 ~ 1) kHz		
		(0.009 ~ 100) mA	4.5×10^{-4}	
		(0.1 ~ 1) A	8.8×10^{-4}	
		(1 ~ 10) A	1.1×10^{-3}	
		(10 ~ 100) A	1.2×10^{-3}	
DC voltage/current calibrators	40103	(±)		DMM, Current shunt
DC Voltage		(0 ~ 100) mV	8.9×10^{-6}	/KTICC-CI-40103
		(0.1 ~ 1) V	3.8×10^{-6}	
		(1 ~ 10) V	3.8×10^{-6}	
		(10 ~ 100) V	6.0×10^{-6}	
		(100 ~ 1 000) V	6.1×10^{-6}	
DC Current		(±)		
		(0 ~ 1) nA	2.3×10^{-4}	
		(1 ~ 10) nA	1.2×10^{-4}	
		(10 ~ 100) nA	5.1×10^{-5}	
		(0.1 ~ 1) μA	2.6×10^{-5}	
		(1 ~ 10) μA	1.0×10^{-5}	
		(0.01 ~ 1) mA	6.5×10^{-6}	
		(1 ~ 10) mA	8.3×10^{-6}	
		(10 ~ 100) mA	1.3×10^{-5}	
		(0.1 ~ 1) A	5.9×10^{-5}	
		(1 ~ 10) A	8.8×10^{-5}	
		(10 ~ 20) A	1.2×10^{-4}	
		(20 ~ 100) A	5.8×10^{-4}	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Electrical temperature calibrators (Sensor not included)	40104	(±)		Meter calibrator, DMM /KTICC-CI-40104
Output DC Voltage		(0 ~ 1) mV	8.1×10^{-5}	
		(1 ~ 10) mV	1.6×10^{-5}	
		(10 ~ 100) mV	8.9×10^{-6}	
		(0.1 ~ 1) V	3.8×10^{-6}	
		(1 ~ 10) V	3.5×10^{-6}	
		(10 ~ 100) V	4.6×10^{-6}	
Output DC Current		(±)		
		(0 ~ 1) mA	2.5×10^{-6}	
		(1 ~ 10) mA	2.5×10^{-6}	
		(10 ~ 110) mA	8.1×10^{-6}	
Output Resistance		(0 ~ 1) Ω	1.6×10^{-5}	
		(1 ~ 10) Ω	1.1×10^{-5}	
		(10 ~ 100) Ω	8.7×10^{-6}	
		(0.1 ~ 10) kΩ	7.4×10^{-6}	
Input DC Voltage		(±)		
		(0 ~ 10) mV	4.8×10^{-5}	
		(10 ~ 100) mV	1.1×10^{-5}	
		(0.1 ~ 1) V	5.9×10^{-6}	
		(1 ~ 10) V	4.0×10^{-6}	
		(10 ~ 100) V	5.9×10^{-6}	
		(100 ~ 300) V	8.3×10^{-6}	
Input DC Current		(±)		
		(0 ~ 1) mA	4.3×10^{-5}	
		(1 ~ 10) mA	4.0×10^{-5}	
		(10 ~ 110) mA	5.3×10^{-5}	
Input Resistance		(0 ~ 1) Ω	1.1×10^{-5}	
		(1 ~ 10) Ω	2.4×10^{-5}	
		(10 ~ 100) Ω	8.0×10^{-6}	
		(0.1 ~ 1) kΩ	1.0×10^{-5}	
		(1 ~ 10) kΩ	6.9×10^{-6}	
DC current shunts	40105			Meter calibrator, DMM
Resistance		(0.1 ~ 10) kΩ	7.4×10^{-6}	/KTICC-CI-40105
		(10 ~ 100) Ω	8.7×10^{-6}	
		(1 ~ 10) Ω	1.1×10^{-5}	
		(0.1 ~ 1) Ω	1.6×10^{-5}	
		(0.01 ~ 0.1) Ω	9.5×10^{-5}	
		(0.001 ~ 0.01) Ω	7.7×10^{-4}	
		(0 ~ 0.001) Ω	6.9×10^{-4}	
Galvanometers/null detectors	40106	(±)		Meter calibrator
DC Voltage		(0 ~ 1) μV	5.8×10^{-3}	/KTICC-CI-40106
		(1 ~ 3) μV	9.7×10^{-3}	
		(3 ~ 10) μV	5.8×10^{-3}	
		(10 ~ 30) μV	9.7×10^{-3}	
		(30 ~ 100) μV	5.8×10^{-3}	
		(100 ~ 300) μV	9.7×10^{-3}	
		(0.3 ~ 1) mV	5.8×10^{-3}	
		(1 ~ 3) mV	9.7×10^{-3}	
		(3 ~ 10) mV	5.8×10^{-3}	
		(10 ~ 30) mV	9.7×10^{-3}	
		(30 ~ 100) mV	5.8×10^{-3}	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Galvanometers/null detectors	40106	(±)		Meter calibrator
DC Voltage		(100 ~ 300) mV	9.7×10^{-3}	/KTICC-CI-40106
		(0.3 ~ 1) V	5.8×10^{-3}	
		(1 ~ 3) V	9.7×10^{-3}	
		(3 ~ 10) V	5.8×10^{-3}	
		(10 ~ 30) V	9.7×10^{-3}	
		(30 ~ 100) V	5.8×10^{-3}	
		(100 ~ 300) V	9.7×10^{-3}	
		(300 ~ 1 000) V	5.8×10^{-3}	
Potentiometers	40107	(±)		Meter calibrator
DC Voltage		(0 ~ 1) mV	4.7×10^{-4}	/KTICC-CI-40107
		(1 ~ 10) mV	5.3×10^{-5}	
		(10 ~ 100) mV	1.3×10^{-5}	
		(0.1 ~ 1) V	8.5×10^{-6}	
		(1 ~ 10) V	7.3×10^{-6}	
		(10 ~ 100) V	8.5×10^{-6}	
		(100 ~ 1000) V	9.5×10^{-6}	
DC power supplies	40108	(±)		DMM, Current shunt
DC Voltage		(0 ~ 0.1) V	1.1×10^{-5}	/KTICC-CI-40108
		(0.1 ~ 1) V	7.2×10^{-6}	
		(1 ~ 10) V	7.2×10^{-6}	
		(10 ~ 20) V	8.0×10^{-6}	
		(20 ~ 30) V	7.0×10^{-6}	
		(30 ~ 40) V	6.8×10^{-6}	
		(40 ~ 100) V	8.6×10^{-6}	
		(100 ~ 1 000) V	8.6×10^{-6}	
DC Current		(±)		
		(0 ~ 0.1) A	7.7×10^{-5}	
		(0.1 ~ 1) A	2.0×10^{-4}	
		(1 ~ 1.5) A	1.9×10^{-4}	
		(1.5 ~ 1.9) A	1.8×10^{-4}	
		(1.9 ~ 15) A	2.4×10^{-4}	
		(15 ~ 20) A	2.5×10^{-4}	
		(20 ~ 100) A	5.9×10^{-4}	
DC voltmeters	40112	(±)		Meter calibrator
DC Voltage		(0 ~ 1) mV	4.2×10^{-4}	/KTICC-CI-40112
		(1 ~ 1.9) mV	2.2×10^{-4}	
		(1.9 ~ 10) mV	4.9×10^{-5}	
		(10 ~ 19) mV	2.9×10^{-5}	
		(19 ~ 100) mV	1.2×10^{-5}	
		(100 ~ 190) mV	1.0×10^{-5}	
		(0.19 ~ 1) V	5.9×10^{-6}	
		(1 ~ 1.9) V	5.8×10^{-6}	
		(1.9 ~ 10) V	4.0×10^{-6}	
		(10 ~ 19) V	3.8×10^{-6}	
		(19 ~ 100) V	5.9×10^{-6}	
		(100 ~ 190) V	5.8×10^{-6}	
		(190 ~ 1 000) V	7.3×10^{-6}	

401. DC voltage & current

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Static/ionicvoltmeters	40113	(±)		High voltage power supply,
DC Voltage		(0 ~ 1) kV	1.3×10^{-3}	High voltage test equipment,
		(1 ~ 2) kV	1.2×10^{-3}	DMM
		(2 ~ 3) kV	2.3×10^{-3}	/KTICC-CI-40113
		(3 ~ 4) kV	1.9×10^{-3}	
		(4 ~ 5) kV	1.7×10^{-3}	
		(5 ~ 6) kV	1.6×10^{-3}	
		(6 ~ 8) kV	1.4×10^{-3}	
		(8 ~ 15) kV	1.3×10^{-3}	
		(15 ~ 50) kV	1.2×10^{-3}	
Ion Voltage		(±)		
		(0 ~ 10) V	6.1×10^{-4}	
		(10 ~ 20) V	3.1×10^{-4}	
		(20 ~ 40) V	1.5×10^{-4}	
		(40 ~ 60) V	1.0×10^{-4}	
		(60 ~ 80) V	7.6×10^{-5}	
		(80 ~ 100) V	6.1×10^{-4}	
		(100 ~ 150) V	4.1×10^{-4}	
		(150 ~ 200) V	3.1×10^{-4}	
		(200 ~ 400) V	1.5×10^{-4}	
		(400 ~ 600) V	1.0×10^{-4}	
		(600 ~ 800) V	7.6×10^{-5}	
		(800 ~ 1 000) V	6.1×10^{-4}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Capacitance bridges/indicators	40201			Standard Capacitor, DMM,
Frequency		10 Hz ~ 100 MHz	6.1×10^{-7}	Frequency Counter /KTICC-CI-40201
Voltage		1 mV		
		(0.04 ~ 10) kHz	1.1×10^{-3}	
		(10 ~ 50) kHz	1.6×10^{-3}	
		(50 ~ 100) kHz	2.0×10^{-3}	
		(0.1 ~ 1) MHz	9.7×10^{-3}	
		(1 ~ 10) mV		
		40 Hz	1.6×10^{-4}	
		(0.04 ~ 10) kHz	1.5×10^{-4}	
		(10 ~ 50) kHz	2.2×10^{-4}	
		(50 ~ 100) kHz	2.7×10^{-4}	
		(0.10 ~ 1) MHz	2.6×10^{-3}	
		(10 ~ 100) mV		
		40 Hz	7.4×10^{-5}	
		(0.04 ~ 10) kHz	7.2×10^{-5}	
		(10 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.0×10^{-4}	
		(0.10 ~ 1) MHz	1.0×10^{-3}	
		(0.1 ~ 1) V		
		40 Hz	6.7×10^{-5}	
		(0.04 ~ 10) kHz	6.5×10^{-5}	
		(10 ~ 50) kHz	6.7×10^{-5}	
		(50 ~ 100) kHz	7.7×10^{-5}	
		(0.1 ~ 1) MHz	9.6×10^{-4}	
		(1 ~ 2) V		
		40 Hz	4.1×10^{-5}	
		(0.04 ~ 10) kHz	3.8×10^{-5}	
		(10 ~ 50) kHz	4.1×10^{-5}	
		(50 ~ 100) kHz	5.5×10^{-5}	
		(0.10 ~ 1) MHz	9.5×10^{-4}	
		(2 ~ 5) V		
		40 Hz	3.2×10^{-5}	
		(0.04 ~ 1) kHz	2.4×10^{-5}	
		(1 ~ 10) kHz	2.6×10^{-5}	
		(10 ~ 50) kHz	3.0×10^{-5}	
		(50 ~ 100) kHz	5.8×10^{-5}	
		(0.10 ~ 1) MHz	1.2×10^{-3}	
Capacitance		1 pF		
		1 kHz	4.2×10^{-4}	
		(0.001 ~ 1) MHz	4.3×10^{-4}	
		(1 ~ 2) MHz	4.8×10^{-4}	
		(2 ~ 3) MHz	5.8×10^{-4}	
		(3 ~ 4) MHz	7.6×10^{-4}	
		(4 ~ 5) MHz	9.7×10^{-4}	
		(5 ~ 10) MHz	3.4×10^{-3}	
		(10 ~ 13) MHz	4.4×10^{-3}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Capacitance bridges/indicators Capacitance	40201	(1 ~ 10) pF		Standard Capacitor, DMM, Frequency Counter
		1 kHz	3.4×10^{-5}	/KTICC-CI-40201
		(0.001 ~ 5) MHz	4.2×10^{-4}	
		(5 ~ 13) MHz	2.4×10^{-3}	
		(10 ~ 100) pF		
		1 kHz	3.4×10^{-5}	
		(0.001 ~ 2) MHz	4.2×10^{-4}	
		(2 ~ 4) MHz	4.3×10^{-4}	
		(4 ~ 5) MHz	4.4×10^{-4}	
		(5 ~13) MHz	2.4×10^{-3}	
		(0.1 ~ 1) nF		
		1 kHz	3.4×10^{-5}	
		(0.001 ~ 1) MHz	4.2×10^{-4}	
		(1 ~ 2) MHz	4.5×10^{-4}	
		(2 ~ 3) MHz	5.1×10^{-4}	
		(3 ~ 4) MHz	6.1×10^{-4}	
		(4 ~ 5) MHz	7.5×10^{-4}	
		(5 ~ 10) MHz	3.1×10^{-3}	
		(10 ~ 13) MHz	3.8×10^{-3}	
		(1 ~ 10) nF		
		120 Hz	2.5×10^{-4}	
		(0.12 ~ 1) kHz	2.4×10^{-4}	
		(1 ~ 100) kHz	2.5×10^{-4}	
		(10 ~ 100) nF		
		120 Hz	2.5×10^{-4}	
		(0.12 ~ 1) kHz	1.1×10^{-4}	
		(1 ~ 100) kHz	2.5×10^{-4}	
		(0.1 ~ 1) µF		
		120 Hz	2.5×10^{-4}	
		(0.12 ~ 1) kHz	1.5×10^{-4}	
		(1 ~ 10) kHz	2.5×10^{-4}	
		(10 ~ 100) kHz	2.6×10^{-4}	
		(1 ~ 10) µF		
		(0.12 ~ 1) kHz	5.9×10^{-4}	
		(10 ~ 100) µF		
		120 Hz	6.1×10^{-4}	
		(0.12 ~ 1) kHz	6.0×10^{-4}	
Decade capacitors Capacitance	40202	1 kHz		LCR Meter /KTICC-CI-40202
		(1 ~ 100) pF	3.5×10^{-4}	
		(0.1 ~ 1) nF	2.7×10^{-4}	
		(1 ~ 10) nF	3.6×10^{-4}	
		(10 ~ 100) nF	3.5×10^{-4}	
		(0.1 ~ 1) µF	3.1×10^{-4}	
		(1 ~ 10) µF	6.6×10^{-4}	
		(10 ~ 100) µF	7.0×10^{-4}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Standard capacitors Capacitance	40204	1 pF		LCR Meter /KTICC-CI-40204
		1 kHz	5.4×10^{-4}	
		(0.001 ~ 1) MHz	5.5×10^{-4}	
		(1 ~ 3) MHz	1.1×10^{-3}	
		(3 ~ 4) MHz	1.2×10^{-3}	
		(4 ~ 5) MHz	1.4×10^{-3}	
		(5 ~10) MHz	3.4×10^{-3}	
		(10 ~ 13) MHz	4.5×10^{-3}	
		(1 ~ 10) pF		
		1 kHz	3.5×10^{-4}	
		(0.001 ~ 5) MHz	5.0×10^{-4}	
		(5 ~ 13) MHz	2.4×10^{-3}	
		(10 ~ 100) pF		
		1 kHz	3.5×10^{-4}	
		(0.001 ~ 2) MHz	5.0×10^{-4}	
		(2 ~ 5) MHz	5.1×10^{-4}	
		(5 ~ 13) MHz	2.4×10^{-3}	
		(0.1 ~ 1) nF		
		1 kHz	2.7×10^{-4}	
		(0.001 ~ 1) MHz	5.0×10^{-4}	
		(1 ~ 2) MHz	5.2×10^{-4}	
		(2 ~ 3) MHz	5.8×10^{-4}	
		(3 ~ 4) MHz	6.7×10^{-4}	
		(4 ~ 5) MHz	8.0×10^{-4}	
		(5 ~ 10) MHz	3.1×10^{-3}	
		(10 ~ 13) MHz	3.9×10^{-3}	
		(1 ~ 10) nF		
		(0.12 ~ 100) kHz	3.6×10^{-4}	
		(10 ~ 100) nF		
		120 Hz	3.6×10^{-4}	
		(0.12 ~ 1) kHz	3.5×10^{-4}	
		(1 ~ 10) kHz	3.6×10^{-4}	
		(10 ~ 100) kHz	3.7×10^{-4}	
		(0.1 ~ 1) μF		
		120 Hz	3.6×10^{-4}	
		(0.12 ~ 1) kHz	3.1×10^{-4}	
		(1 ~ 10) kHz	3.9×10^{-4}	
		(10 ~ 100) kHz	6.9×10^{-4}	
		(1 ~ 10) μF		
		(0.12 ~ 1) kHz	6.6×10^{-4}	
		(10 ~ 100) μF		
		1 kHz	6.9×10^{-4}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Earth testers	40205			Meter calibrator, DMM
Input AC Voltage		(50 ~ 60) Hz		Current shunt
		0.22 mV ~ 1 V	9.1×10^{-5}	/KTICC-CI-40205
		(1 ~ 10) V	8.9×10^{-5}	
		(10 ~ 100) V	9.4×10^{-5}	
		(100 ~ 1 000) V	1.0×10^{-4}	
Input DC Voltage		(±)		
		(0 ~ 100) V	6.1×10^{-5}	
		(100 ~ 1 000) V	6.2×10^{-5}	
Input DC Resistance		(0.1 ~ 1) mΩ	1.3×10^{-4}	
		(1 ~ 10) mΩ	1.1×10^{-4}	
		(10 ~ 100) mΩ	8.5×10^{-5}	
		(0.1 ~ 1) Ω	6.2×10^{-5}	
		(1 ~ 10) Ω	6.6×10^{-5}	
		(0.01 ~ 1) kΩ	6.2×10^{-5}	
		(1 ~ 10) kΩ	6.1×10^{-5}	
		(10 ~ 100) kΩ	6.3×10^{-5}	
		(0.1 ~ 1) MΩ	6.5×10^{-5}	
		(1 ~ 10) MΩ	7.6×10^{-5}	
Output AC Voltage		(50 ~ 60) Hz		
		(0.22 ~ 100) mV	6.5×10^{-4}	
		(0.1 ~ 10) V	6.2×10^{-4}	
Output AC Current				
		(50 ~ 60) Hz		
		9 μA ~ 100 A	1.4×10^{-3}	
Output DC Current		(±)		
		(0 ~ 0.1) A	6.2×10^{-4}	
		(0.1 ~ 1) A	6.5×10^{-4}	
		(1 ~ 2) A	3.9×10^{-4}	
		(2 ~ 5) A	2.8×10^{-4}	
		(5 ~ 10) A	6.6×10^{-4}	
		(10 ~ 20) A	3.9×10^{-4}	
		(20 ~ 60) A	6.0×10^{-4}	
		(60 ~ 80) A	5.9×10^{-4}	
		(80 ~ 100) A	8.4×10^{-4}	
Input AC Current		(50 ~ 60) Hz		
		(0.009 ~ 100) mA	6.4×10^{-4}	
		(0.1 ~ 1) A	6.9×10^{-4}	
		(1 ~ 10) A	1.6×10^{-3}	
		(10 ~ 20) A	4.1×10^{-3}	
		(20 ~ 50) A	2.4×10^{-3}	
Input AC Resistance		(50 ~ 60) Hz		
		(0.5 ~ 10) mΩ	1.4×10^{-3}	
		(0.01 ~ 100) Ω	1.3×10^{-3}	
Timer		(1 ~ 1 000) s	6.1×10^{-5}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Inductance bridges/indicator	40206			Inductors,
Frequency		10 Hz ~ 1 MHz	6.1×10^{-7}	DMM, Frequency counter /KTICC-CI-40206
AC Voltage		1 mV		
		(40 ~ 100) Hz	4.2×10^{-3}	
		(0.1 ~ 1) kHz	2.1×10^{-3}	
		(1 ~ 10) kHz	4.2×10^{-3}	
		(10 ~ 100) kHz	2.1×10^{-2}	
		(1 ~ 10) mV		
		40 Hz	5.6×10^{-4}	
		(40 ~ 100) Hz	5.4×10^{-4}	
		(0.1 ~ 1) kHz	3.5×10^{-4}	
		(1 ~ 10) kHz	5.4×10^{-4}	
		(10 ~ 100) kHz	2.8×10^{-3}	
		(10 ~ 100) mV		
		40 Hz	2.4×10^{-4}	
		(40 ~ 100) Hz	2.2×10^{-4}	
		(0.1 ~ 1) kHz	2.1×10^{-4}	
		(1 ~ 10) kHz	2.2×10^{-4}	
		(10 ~ 50) kHz	9.6×10^{-4}	
		(50 ~ 100) kHz	1.1×10^{-3}	
		(0.1 ~ 1) V		
		40 Hz	1.5×10^{-4}	
		(40 ~ 100) Hz	1.4×10^{-4}	
		(0.1 ~ 1) kHz	1.2×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-4}	
		(10 ~ 50) kHz	7.2×10^{-4}	
		(50 ~ 100) kHz	7.3×10^{-4}	
		(1 ~ 2) V		
		40 Hz	2.2×10^{-4}	
		(40 ~ 100) Hz	2.0×10^{-4}	
		(0.1 ~ 1) kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	2.0×10^{-4}	
		(10 ~ 100) kHz	1.5×10^{-3}	
		(2 ~ 5) V		
		40 Hz	1.6×10^{-4}	
		(40 ~ 100) Hz	1.4×10^{-4}	
		(0.1 ~ 1) kHz	1.2×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-4}	
		(10 ~ 100) kHz	9.2×10^{-4}	
Inductance		1 kHz		
		(0.1 ~ 100) μH	4.5×10^{-4}	
		(0.1 ~ 10) mH	3.2×10^{-4}	
		(0.01 ~ 1) H	2.7×10^{-4}	
		(1 ~ 10) H	9.3×10^{-3}	
Inductors	40208			LCR Meter /KTICC-CI-40208
		1 kHz		
		(0.1 ~ 100) μH	6.1×10^{-4}	
		(0.1 ~ 10) mH	4.8×10^{-4}	
		(0.01 ~ 1) H	4.1×10^{-4}	
		(1 ~ 10) H	9.3×10^{-3}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Insulation testers	40210			Decade resistance, DMM,
Resistance		(0 ~ 1) MΩ	1.3×10^{-4}	Meter calibrator
		(1 ~ 10) MΩ	3.5×10^{-4}	/KTICC-CI-40210
		(10 ~ 100) MΩ	3.8×10^{-4}	
		(0.1 ~ 10) GΩ	8.4×10^{-4}	
		(10 ~ 100) GΩ	1.3×10^{-3}	
		(0.1 ~ 1) TΩ	2.4×10^{-3}	
Output DC Voltage		(±)		
		(0.1 ~ 100) V	6.1×10^{-4}	
		(100 ~ 500) V	1.2×10^{-4}	
		(0.5 ~ 1) kV	6.1×10^{-4}	
		(1 ~ 2) kV	7.5×10^{-3}	
		(2 ~ 3) kV	7.0×10^{-3}	
		(3 ~ 4) kV	6.8×10^{-3}	
		(4 ~ 5) kV	6.6×10^{-3}	
		(5 ~ 10) kV	6.2×10^{-3}	
Input AC Voltage		(50 ~ 60) Hz		
		0.22 mV ~ 100 V	6.1×10^{-4}	
		(100 ~ 1 000) V	6.2×10^{-4}	
Input DC Voltage		(±)		
		(0 ~ 1 000) V	6.1×10^{-4}	
Timer		(1 ~ 1 000) s	6.1×10^{-5}	
Resistance bridges & similar instruments	40213			DMM, Decade resistance,
Resistance ARM		(1 ~ 10) mΩ	7.4×10^{-1}	Standard resistance
		(10 ~ 100) mΩ	8.0×10^{-2}	/KTICC-CI-40213
		(0.1 ~ 1) Ω	1.7×10^{-5}	
		(1 ~ 10) Ω	1.0×10^{-5}	
		(10 ~ 100) Ω	8.7×10^{-6}	
		(0.1 ~ 100) kΩ	7.4×10^{-6}	
		(0.1 ~ 1) MΩ	9.6×10^{-6}	
		(1 ~ 10) MΩ	2.1×10^{-5}	
Ratio ARM		0.001	2.6×10^{-5}	
		(0.001 ~ 0.01)	1.2×10^{-5}	
		(0.01 ~ 0.1)	1.4×10^{-5}	
		(0.1 ~ 1)	1.1×10^{-5}	
		(1 ~ 10)	1.8×10^{-5}	
		(10 ~ 100)	2.5×10^{-5}	
		(100 ~ 1 000)	4.7×10^{-5}	
Resistance Measured		0.5 mΩ ~ 1 Ω	1.1×10^{-5}	
		(1 ~ 10) Ω	2.5×10^{-5}	
		(10 ~ 100) Ω	9.6×10^{-6}	
		(0.1 ~ 1) kΩ	1.2×10^{-5}	
		(1 ~ 10) kΩ	8.1×10^{-6}	
		(10 ~ 100) kΩ	1.6×10^{-5}	
		(0.1 ~ 1) MΩ	2.4×10^{-5}	
		(1 ~ 10) MΩ	4.6×10^{-5}	
		(10 ~ 100) MΩ	1.1×10^{-4}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Resistance meters	40214	(±)		DMM, Decade resistance,
DC Voltage		(0.1 ~ 10) V	6.4×10^{-5}	High resistance,
		(10 ~ 25) V	2.6×10^{-5}	Standsra resistance,
		(25 ~ 50) V	1.3×10^{-5}	Frequency counter
		(50 ~ 100) V	6.4×10^{-5}	/KTICC-CI-40214
		(100 ~ 250) V	2.6×10^{-5}	
		(250 ~ 500) V	1.3×10^{-5}	
		(500 ~ 1 000) V	6.4×10^{-5}	
DC Resistance		(0.5 ~ 1) mΩ	1.2×10^{-4}	
		(1 ~ 10) mΩ	8.8×10^{-5}	
		(10 ~ 100) mΩ	5.8×10^{-5}	
		(0.1 ~ 1) Ω	9.6×10^{-6}	
		(1 ~ 10) Ω	2.4×10^{-5}	
		(10 ~ 100) Ω	7.4×10^{-6}	
		(0.1 ~ 1) kΩ	1.0×10^{-5}	
		(1 ~ 10) kΩ	5.4×10^{-6}	
		(10 ~ 100) kΩ	1.5×10^{-5}	
		(0.1 ~ 1) MΩ	2.3×10^{-5}	
		(1 ~ 10) MΩ	3.1×10^{-5}	
		(10 ~ 100) MΩ	1.0×10^{-4}	
		(0.1 ~ 1) GΩ	6.2×10^{-4}	
		(1 ~ 10) GΩ	6.3×10^{-4}	
		(10 ~ 100) GΩ	1.2×10^{-3}	
		(0.1 ~ 1) TΩ	2.3×10^{-3}	
Output Frequency		50 Hz	1.2×10^{-6}	
		(50 ~ 60) Hz	1.0×10^{-6}	
		(0.06 ~ 1) kHz	6.1×10^{-7}	
Output AC Voltage		(0.04 ~ 1) kHz		
		10 mV	3.5×10^{-4}	
		(10 ~ 100) mV	2.1×10^{-4}	
		(0.1 ~ 1) V	1.2×10^{-4}	
		(1 ~ 100) V	1.1×10^{-4}	
AC Resistance		(0.04 ~ 1) kHz		
		(0.5 ~ 100) mΩ	1.2×10^{-3}	
		(0.1 ~ 1) Ω	7.1×10^{-4}	
		(1 ~ 10) Ω	4.2×10^{-4}	
		(0.01 ~ 1) kΩ	3.7×10^{-4}	
		(1 ~ 100) kΩ	2.6×10^{-4}	
		(0.1 ~ 1) MΩ	3.3×10^{-4}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Resistors	40215			DMM, Megohmmeter,
Decade Resistance		(1 ~ 10) mΩ	7.4×10^{-4}	Meter calibrator,
		(10 ~ 100) mΩ	8.0×10^{-5}	Standard resistance
		(0.1 ~ 1) Ω	1.7×10^{-5}	/KTICC-CI-40215
		(1 ~ 10) Ω	1.1×10^{-5}	
		(10 ~ 100) Ω	8.7×10^{-6}	
		(0.1 ~ 100) kΩ	7.4×10^{-6}	
		(0.1 ~ 1) MΩ	9.6×10^{-6}	
		(1 ~ 10) MΩ	1.1×10^{-5}	
		(10 ~ 100) MΩ	3.6×10^{-5}	
		(0.1 ~ 1) GΩ	1.4×10^{-4}	
		(1 ~ 100) GΩ	5.2×10^{-3}	
		(0.1 ~ 1) TΩ	6.0×10^{-3}	
DC Resistance		(0.5 ~ 1) mΩ	1.2×10^{-4}	
		(1 ~ 10) mΩ	8.9×10^{-5}	
		(10 ~ 100) mΩ	6.0×10^{-5}	
		(0.1 ~ 1) Ω	1.6×10^{-5}	
		(1 ~ 1.9) Ω	1.4×10^{-5}	
		(1.9 ~ 10) Ω	1.1×10^{-5}	
		(10 ~ 19) Ω	1.0×10^{-5}	
		(19 ~ 100) Ω	8.7×10^{-6}	
		(100 ~ 190) Ω	8.4×10^{-6}	
		(0.19 ~ 19) kΩ	7.4×10^{-6}	
		(19 ~ 100) kΩ	7.5×10^{-6}	
		(100 ~ 190) kΩ	7.4×10^{-6}	
		(0.19 ~ 1) MΩ	9.6×10^{-6}	
		(1 ~ 1.9) MΩ	8.9×10^{-6}	
		(1.9 ~ 10) MΩ	2.1×10^{-5}	
		(10 ~ 19) MΩ	1.7×10^{-5}	
		(19 ~ 100) MΩ	3.6×10^{-5}	
		(0.1 ~ 1) GΩ	1.4×10^{-4}	
		(1 ~ 100) GΩ	5.2×10^{-3}	
		(0.1 ~ 1) TΩ	6.0×10^{-3}	
AC Resistance		(0.04 ~ 1) kHz		
		(0.5 ~ 10) mΩ	1.3×10^{-3}	
		(10 ~ 100) mΩ	3.9×10^{-4}	
		(0.1 ~ 1) Ω	2.8×10^{-4}	
		(1 ~ 10) Ω		
		(0.04 ~ 1) kHz	2.8×10^{-4}	
		(0.001 ~ 1) MHz	4.8×10^{-4}	
		(1 ~ 2) MHz	6.6×10^{-4}	
		(2 ~ 3) MHz	7.5×10^{-4}	
		(3 ~ 4) MHz	8.4×10^{-4}	
		(4 ~ 5) MHz	1.0×10^{-3}	
		(5 ~ 10) MHz	4.0×10^{-3}	
		(10 ~ 13) MHz	6.0×10^{-3}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Resistors	40215			DMM, Megohmmeter,
AC Resistance		(10 ~ 100) Ω		Meter calibrator,
		(0.04 ~ 1) kHz	2.8×10^{-4}	Standard resistance
		(0.001 ~ 1) MHz	4.8×10^{-4}	/KTICC-CI-40215
		(1 ~ 2) MHz	5.7×10^{-4}	
		(2 ~ 5) MHz	6.6×10^{-4}	
		(5 ~ 10) MHz	2.0×10^{-3}	
		(10 ~ 13) MHz	3.0×10^{-3}	
		(0.1 ~ 1) kΩ		
		(0.04 ~ 1) kHz	3.0×10^{-4}	
		(0.001 ~ 3) MHz	4.8×10^{-4}	
		(3 ~ 5) MHz	5.7×10^{-4}	
		(5 ~ 10) MHz	2.0×10^{-3}	
		(10 ~ 13) MHz	3.0×10^{-3}	
		(1 ~ 10) kΩ		
		1 kHz	3.7×10^{-4}	
		(1 ~ 100) kHz	4.1×10^{-4}	
		(0.1 ~ 1) MHz	4.8×10^{-4}	
		(10 ~ 100) kΩ		
		1 kHz	3.7×10^{-4}	
		(0.001 ~ 1) MHz	4.8×10^{-4}	
		(0.1 ~ 1) MΩ		
		1 kHz	4.8×10^{-4}	
Impedance bridges/LCR meters	40217			Standard Capacitors,
Frequency		10 Hz ~ 100 MHz	6.1×10^{-7}	Standrd Inductors,
				Standard Resistors,
Voltage		(0 ~ 1) mV		Frequency Counter, DMM
		(0.04 ~ 10) kHz	1.1×10^{-3}	/KTICC-CI-40217
		(10 ~ 50) kHz	1.6×10^{-3}	
		(50 ~ 100) kHz	2.0×10^{-3}	
		(0.1 ~ 1) MHz	9.7×10^{-3}	
		(1 ~ 10) mV		
		40 Hz	1.6×10^{-4}	
		(0.04 ~ 10) kHz	1.5×10^{-4}	
		(10 ~ 50) kHz	2.2×10^{-4}	
		(50 ~ 100) kHz	2.7×10^{-4}	
		(0.1 ~ 1) MHz	2.6×10^{-3}	
		(10 ~ 100) mV		
		40 Hz	7.4×10^{-5}	
		(0.04 ~ 10) kHz	7.2×10^{-5}	
		(10 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.0×10^{-4}	
		(0.1 ~ 1) MHz	1.0×10^{-3}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Impedance bridges/LCR meters	40217			Standard Capacitors,
Voltage		(0.1 ~ 1) V		Standrd Inductors,
		40 Hz	6.7×10^{-5}	Standard Resistors,
		(0.04 ~ 10) kHz	6.5×10^{-5}	Frequency Counter, DMM
		(10 ~ 50) kHz	6.7×10^{-5}	/KTICC-CI-40217
		(50 ~ 100) kHz	7.7×10^{-5}	
		(0.1 ~ 1) MHz	9.6×10^{-4}	
		(1 ~ 2) V		
		40 Hz	4.1×10^{-5}	
		(0.04 ~ 10) kHz	3.7×10^{-5}	
		(10 ~ 50) kHz	4.0×10^{-5}	
		(50 ~ 100) kHz	5.5×10^{-5}	
		(0.1 ~ 1) MHz	9.5×10^{-4}	
		(2 ~ 5) V		
		40 Hz	3.2×10^{-5}	
		(0.04 ~ 1) kHz	2.4×10^{-5}	
		(1 ~ 10) kHz	2.6×10^{-5}	
		(10 ~ 50) kHz	3.0×10^{-5}	
		(50 ~ 100) kHz	5.8×10^{-5}	
		(0.1 ~ 1) MHz	1.2×10^{-3}	
		(5 ~ 10) V		
		40 Hz	3.0×10^{-5}	
		(0.04 ~ 10) kHz	2.3×10^{-5}	
		(10 ~ 50) kHz	2.9×10^{-5}	
		(50 ~ 100) kHz	5.5×10^{-5}	
		(0.1 ~ 1) MHz	1.2×10^{-3}	
		(10 ~ 20) V		
		40 Hz	3.2×10^{-5}	
		(0.04 ~ 10) kHz	2.4×10^{-5}	
		(10 ~ 50) kHz	3.0×10^{-5}	
		(50 ~ 100) kHz	5.5×10^{-5}	
		(0.1 ~ 1) MHz	1.2×10^{-3}	
DC Bias Voltage		(±)		
		(0 ~ 0.1) V	1.1×10^{-5}	
		(0.1 ~ 0.5) V	1.3×10^{-5}	
		(0.5 ~ 1) V	7.2×10^{-6}	
		(1 ~ 5) V	1.3×10^{-5}	
		(5 ~ 10) V	7.2×10^{-6}	
		(10 ~ 20) V	7.0×10^{-6}	
		(20 ~ 40) V	5.7×10^{-6}	
DC Bias Current		(±)		
		(0 ~ 0.1) A	1.3×10^{-4}	
		(0.1 ~ 1) A	2.4×10^{-4}	
		(1 ~ 18) A	2.5×10^{-4}	
		(18 ~ 40) A	5.8×10^{-4}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Impedance bridges/LCR meters	40217			Standard Capacitors,
Capacitance		1 pF		Standrd Inductors,
		1 kHz	4.2×10^{-4}	Standard Resistors,
		(0.001 ~ 1) MHz	4.3×10^{-4}	Frequency Counter, DMM
		(1 ~ 2) MHz	4.8×10^{-4}	/KTICC-CI-40217
		(2 ~ 3) MHz	5.8×10^{-4}	
		(3 ~ 4) MHz	7.6×10^{-4}	
		(4 ~ 5) MHz	9.7×10^{-4}	
		(5 ~ 10) MHz	3.4×10^{-3}	
		(10 ~ 13) MHz	4.4×10^{-3}	
		(1 ~ 10) pF		
		1 kHz	3.4×10^{-5}	
		(0.001 ~ 5) MHz	4.2×10^{-4}	
		(5 ~ 13) MHz	2.4×10^{-3}	
		(10 ~ 100) pF		
		1 kHz	3.4×10^{-5}	
		(0.001 ~ 2) MHz	4.2×10^{-4}	
		(2 ~ 4) MHz	4.3×10^{-4}	
		(4 ~ 5) MHz	4.4×10^{-4}	
		(5 ~ 13) MHz	2.4×10^{-3}	
		(0.1 ~ 1) nF		
		1 kHz	3.4×10^{-5}	
		(0.001 ~ 1) MHz	4.2×10^{-4}	
		(1 ~ 2) MHz	4.5×10^{-4}	
		(2 ~ 3) MHz	5.1×10^{-4}	
		(3 ~ 4) MHz	6.1×10^{-4}	
		(4 ~ 5) MHz	7.5×10^{-4}	
		(5 ~ 10) MHz	3.1×10^{-3}	
		(10 ~ 13) MHz	3.8×10^{-3}	
		(1 ~ 10) nF		
		120 Hz	2.5×10^{-4}	
		(0.12 ~ 1) kHz	2.4×10^{-4}	
		(1 ~ 100) kHz	2.5×10^{-4}	
		(10 ~ 100) nF		
		120 Hz	2.5×10^{-4}	
		(0.12 ~ 1) kHz	1.1×10^{-4}	
		(1 ~ 100) kHz	2.5×10^{-4}	
		(0.1 ~ 1) μF		
		120 Hz	2.5×10^{-4}	
		(0.12 ~ 1) kHz	1.5×10^{-4}	
		(1 ~ 10) kHz	2.5×10^{-4}	
		(10 ~ 100) kHz	2.6×10^{-4}	
		(1 ~ 10) μF		
		(0.12 ~ 1) kHz	5.9×10^{-4}	
		(10 ~ 100) μF		
		120 Hz	6.1×10^{-4}	
		(0.12 ~ 1) kHz	6.0×10^{-4}	
Inductance		(1 kHz)		
		(0.1 ~ 100) μH	4.5×10^{-4}	
		(0.1 ~ 10) mH	3.2×10^{-4}	
		(0.01 ~ 1) H	2.7×10^{-4}	
		(1 ~ 10) H	9.3×10^{-3}	

402. Resistance, capacitance and inductance

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Impedance bridges/LCR meters	40217			Standard Capacitors,
AC Resistance		1 mΩ		Standrd Inductors,
		1 kHz	3.6×10^{-3}	Standard Resistors,
		(1 ~ 10) mΩ		Frequency Counter, DMM
		1 kHz	8.1×10^{-4}	/KTICC-CI-40217
		(10 ~ 100) mΩ		
		1 kHz	1.0×10^{-3}	
		(0.1 ~ 1) Ω		
		1 kHz	7.1×10^{-4}	
		(1 ~ 10) Ω		
		1 kHz	4.2×10^{-4}	
		(0.001 ~ 1) MHz	3.3×10^{-4}	
		(1 ~ 2) MHz	5.2×10^{-4}	
		(2 ~ 3) MHz	6.1×10^{-4}	
		(3 ~ 4) MHz	7.1×10^{-4}	
		(4 ~ 5) MHz	1.0×10^{-3}	
		(5 ~ 10) MHz	4.0×10^{-3}	
		(10 ~ 13) MHz	6.0×10^{-3}	
		(10 ~ 100) Ω		
		1 kHz	3.7×10^{-4}	
		(0.001 ~ 1) MHz	3.3×10^{-4}	
		(1 ~ 2) MHz	4.2×10^{-4}	
		(2 ~ 5) MHz	5.2×10^{-4}	
		(5 ~ 10) MHz	2.0×10^{-3}	
		(10 ~ 13) MHz	3.0×10^{-3}	
		(0.1 ~ 1) kΩ		
		1 kHz	3.7×10^{-4}	
		(0.001 ~ 3) MHz	3.3×10^{-4}	
		(3 ~ 4) MHz	4.2×10^{-4}	
		(4 ~ 5) MHz	5.2×10^{-4}	
		(5 ~ 10) MHz	2.0×10^{-3}	
		(10 ~ 13) MHz	3.0×10^{-3}	
		(1 ~ 10) kΩ		
		1 kHz	2.6×10^{-4}	
		(1 ~ 100) kHz	2.4×10^{-4}	
		(0.1 ~ 1) MHz	3.3×10^{-4}	
		(10 ~ 100) kΩ		
		1 kHz	2.6×10^{-4}	
		(0.001 ~ 1) MHz	3.3×10^{-4}	
		(0.1 ~ 1) MΩ		
		1 kHz	3.3×10^{-4}	
DC Resistance		(0 ~ 1) Ω	1.1×10^{-5}	
		(1 ~ 10) Ω	2.5×10^{-5}	
		(10 ~ 100) Ω	9.3×10^{-6}	
		(0.1 ~ 1) kΩ	1.2×10^{-5}	
		(1 ~ 10) kΩ	7.8×10^{-6}	
		(10 ~ 100) kΩ	1.6×10^{-5}	
		(0.1 ~ 1) MΩ	2.4×10^{-5}	
		(1 ~ 10) MΩ	4.6×10^{-5}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
AC ammeters	40301			Meter calibrator,
AC Current		9 μA ~ 190 mA		Current calibrator
		10 Hz	3.1×10^{-4}	/KTICC-CI-40301
		(10 ~ 40) Hz	2.1×10^{-4}	
		(0.04 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 10) kHz	1.9×10^{-3}	
		(0.19 ~ 1) A		
		(0.01 ~ 1) kHz	3.3×10^{-4}	
		(1 ~ 10) kHz	7.3×10^{-3}	
		(1 ~ 1.9) A		
		(0.01 ~ 1) kHz	3.1×10^{-4}	
		(1 ~ 10) kHz	7.4×10^{-3}	
		(1.9 ~ 10) A		
		(45 ~ 100) Hz	1.4×10^{-3}	
		(0.1 ~ 1) kHz	1.8×10^{-3}	
		(10 ~ 20) A		
		(45 ~ 100) Hz	2.4×10^{-3}	
		(0.1 ~ 1) kHz	2.6×10^{-3}	
		(20 ~ 100) A		
		(45 ~ 60) Hz	4.9×10^{-3}	
Clamp ammeters/voltmeters	40302	(±)		Meter calibrator, Turn coil,
DC Voltage		(0 ~ 10) mV	7.8×10^{-5}	Current calibrator
		(0.01 ~ 1 000) V	6.2×10^{-5}	/KTICC-CI-40302
AC Voltage		(0.22 ~ 10) mV		
		10 Hz	6.6×10^{-4}	
		(10 ~ 40) Hz	5.1×10^{-4}	
		(0.04 ~ 1) kHz	5.0×10^{-4}	
		(10 ~ 100) mV		
		10 Hz	3.8×10^{-4}	
		(10 ~ 40) Hz	1.8×10^{-4}	
		(0.04 ~ 1) kHz	1.7×10^{-4}	
		(0.1 ~ 1) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 1) kHz	9.1×10^{-5}	
		(1 ~ 10) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 1) kHz	8.9×10^{-5}	
		(10 ~ 100) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 1) kHz	9.4×10^{-5}	
		(100 ~ 1 000) V		
		50 Hz	3.3×10^{-4}	
		(0.05 ~ 1) kHz	1.0×10^{-4}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Clamp ammeters/voltmeters	40302	(±)		Meter calibrator, Turn coil,
DC Current		(0 ~ 1) A	6.2×10^{-4}	Current calibrator
		(1 ~ 10) A	9.9×10^{-4}	/KTICC-CI-40302
		(10 ~ 20) A	1.1×10^{-3}	
		(20 ~ 100) A	1.6×10^{-3}	
		(100 ~ 200) A	1.7×10^{-3}	
		(200 ~ 500) A	1.5×10^{-3}	
		(500 ~ 1 000) A	1.7×10^{-3}	
AC Current		9 μA ~ 100 mA		
		(0.01 ~ 1) kHz	6.8×10^{-4}	
		(1 ~ 10) kHz	1.9×10^{-3}	
		(0.1 ~ 1) A		
		(0.01 ~ 1) kHz	6.9×10^{-4}	
		(1 ~ 10) kHz	7.3×10^{-3}	
		(1 ~ 10) A		
		(0.01 ~ 1) kHz	3.0×10^{-3}	
		(10 ~ 20) A		
		(0.01 ~ 1) kHz	3.1×10^{-3}	
		(20 ~ 100) A		
		(40 ~ 60) Hz	4.0×10^{-3}	
		(100 ~ 200) A		
		(40 ~ 60) Hz	3.7×10^{-3}	
		(200 ~ 300) A		
		(40 ~ 60) Hz	4.7×10^{-3}	
		(300 ~ 400) A		
		(40 ~ 60) Hz	4.3×10^{-3}	
		(400 ~ 500) A		
		(40 ~ 60) Hz	4.0×10^{-3}	
		(500 ~ 1 000) A		
		(40 ~ 60) Hz	3.7×10^{-3}	
Resistance		(0 ~ 10) MΩ	6.1×10^{-4}	
Turn Current Coil				
DC Ratio		2	9.5×10^{-4}	
		(2 ~ 10)	1.4×10^{-3}	
		(10 ~ 25)	1.5×10^{-3}	
		(25 ~ 50)	1.4×10^{-3}	
AC Ratio		(60 Hz)		
		2	1.2×10^{-3}	
		(2 ~ 10)	2.2×10^{-3}	
		(10 ~ 25)	2.4×10^{-3}	
		(25 ~ 50)	2.2×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
AC voltage/current calibrators	40303			DMM, Current shunt
AC Voltage		(0.5 ~ 2) mV		/KTICC-CI-40303
		10 Hz	6.0×10^{-4}	
		(0.01 ~ 20) kHz	6.0×10^{-4}	
		(20 ~ 50) kHz	9.0×10^{-4}	
		(50 ~ 100) kHz	1.1×10^{-3}	
		(100 ~ 300) kHz	1.9×10^{-3}	
		(300 ~ 500) kHz	4.1×10^{-3}	
		(0.5 ~ 1) MHz	6.5×10^{-3}	
		(2 ~ 20) mV		
		10 Hz	1.3×10^{-4}	
		(0.01 ~ 0.02) kHz	1.3×10^{-4}	
		(0.02 ~ 0.04) kHz	1.0×10^{-4}	
		(0.04 ~ 20) kHz	9.5×10^{-5}	
		(20 ~ 50) kHz	1.4×10^{-4}	
		(50 ~ 100) kHz	1.8×10^{-4}	
		(100 ~ 300) kHz	3.5×10^{-4}	
		(300 ~ 500) kHz	8.5×10^{-4}	
		(0.5 ~ 1) MHz	2.3×10^{-3}	
		(20 ~ 200) mV		
		10 Hz	6.5×10^{-5}	
		(0.01 ~ 0.02) kHz	6.0×10^{-5}	
		(0.02 ~ 0.04) kHz	3.6×10^{-5}	
		(0.04 ~ 1) kHz	3.3×10^{-5}	
		(1 ~ 20) kHz	3.4×10^{-5}	
		(20 ~ 50) kHz	4.1×10^{-5}	
		(50 ~ 100) kHz	7.5×10^{-5}	
		(100 ~ 300) kHz	1.7×10^{-4}	
		(300 ~ 500) kHz	3.0×10^{-4}	
		(0.5 ~ 1) MHz	1.0×10^{-3}	
		(0.2 ~ 2) V		
		10 Hz	5.5×10^{-5}	
		(0.01 ~ 0.02) kHz	5.0×10^{-5}	
		(0.02 ~ 0.04) kHz	2.8×10^{-5}	
		(0.04 ~ 20) kHz	2.2×10^{-5}	
		(20 ~ 50) kHz	2.7×10^{-5}	
		(50 ~ 100) kHz	4.7×10^{-5}	
		(100 ~ 300) kHz	1.3×10^{-4}	
		(300 ~ 500) kHz	2.2×10^{-4}	
		(0.5 ~ 1) MHz	9.5×10^{-4}	
		(2 ~ 20) V		
		10 Hz	5.5×10^{-5}	
		(0.01 ~ 0.02) kHz	5.0×10^{-5}	
		(0.02 ~ 0.04) kHz	3.0×10^{-5}	
		(0.04 ~ 20) kHz	2.3×10^{-5}	
		(20 ~ 50) kHz	2.9×10^{-5}	
		(50 ~ 100) kHz	5.5×10^{-5}	
		(100 ~ 300) kHz	1.4×10^{-4}	
		(300 ~ 500) kHz	3.5×10^{-4}	
		(0.5 ~ 1) MHz	1.2×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
AC voltage/current calibrators	40303			DMM, Current shunt
AC Voltage		(20 ~ 200) V		/KTICC-CI-40303
		10 Hz	6.5×10^{-5}	
		(0.01 ~ 0.02) kHz	5.5×10^{-5}	
		(0.02 ~ 0.04) kHz	3.3×10^{-5}	
		(0.04 ~ 20) kHz	2.8×10^{-5}	
		(20 ~ 50) kHz	4.0×10^{-5}	
		(50 ~ 100) kHz	6.5×10^{-5}	
		(200 ~ 700) V		
		20 Hz	5.3×10^{-5}	
		(0.02 ~ 0.04) kHz	3.4×10^{-5}	
		(0.04 ~ 20) kHz	2.9×10^{-5}	
		(20 ~ 50) kHz	1.1×10^{-4}	
		(50 ~ 100) kHz	6.6×10^{-4}	
		(700 ~ 1 000) V		
		40 Hz	3.6×10^{-5}	
		(0.04 ~ 1) kHz	2.9×10^{-5}	
		(1 ~ 20) kHz	3.0×10^{-5}	
		(20 ~ 30) kHz	1.1×10^{-4}	
AC Current		(0.009 ~ 1) mA		
		20 Hz	4.4×10^{-4}	
		(0.02 ~ 1) kHz	4.4×10^{-4}	
		(1 ~ 10) kHz	1.7×10^{-3}	
		(1 ~ 1.9) mA		
		20 Hz	3.6×10^{-4}	
		(0.02 ~ 1) kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	1.6×10^{-3}	
		(1.9 ~ 10) mA		
		20 Hz	4.4×10^{-4}	
		(0.02 ~ 1) kHz	4.4×10^{-4}	
		(1 ~ 10) kHz	1.5×10^{-3}	
		(10 ~ 19) mA		
		20 Hz	3.6×10^{-4}	
		(0.02 ~ 1) kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-3}	
		(19 ~ 100) mA		
		20 Hz	4.4×10^{-4}	
		(0.02 ~ 1) kHz	4.4×10^{-4}	
		(1 ~ 10) kHz	1.2×10^{-3}	
		(100 ~ 190) mA		
		20 Hz	3.6×10^{-4}	
		(0.02 ~ 1) kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	1.2×10^{-3}	
		(0.19 ~ 1) A		
		20 Hz	8.7×10^{-4}	
		(0.02 ~ 1) kHz	8.7×10^{-4}	
		(1 ~ 10) kHz	6.3×10^{-3}	
		(1 ~ 1.9) A		
		20 Hz	7.9×10^{-4}	
		(0.02 ~ 1) kHz	7.9×10^{-4}	
		(1 ~ 10) kHz	6.3×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
AC voltage/current calibrators	40303			DMM, Current shunt
AC Current		(1.9 ~ 10) A		/KTICC-CI-40303
		40 Hz	1.0×10^{-3}	
		(0.04 ~ 1) kHz	1.0×10^{-3}	
		(10 ~ 30) A		
		40 Hz	1.3×10^{-3}	
		(0.04 ~ 1) kHz	1.3×10^{-3}	
		(30 ~ 100) A		
		40 Hz	1.2×10^{-3}	
		(0.04 ~ 1) kHz	1.2×10^{-3}	
Frequency		10 Hz ~ 1 MHz	6.1×10^{-7}	
AC current shunts	40305			DMM, Meter calibrator
AC Resistance		(100 ~ 1 000) Ω		Current calibrator
		10 Hz	4.3×10^{-4}	/KTICC-CI-40305
		(10 ~ 40) Hz	2.4×10^{-4}	
		(0.04 ~ 1) kHz	2.2×10^{-4}	
		(1 ~ 10) kHz	1.8×10^{-3}	
		(10 ~ 100) Ω		
		10 Hz	3.2×10^{-4}	
		(10 ~ 40) Hz	2.2×10^{-4}	
		(0.04 ~ 1) kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	1.8×10^{-3}	
		(1 ~ 10) Ω		
		10 Hz	3.2×10^{-4}	
		(10 ~ 40) Hz	2.2×10^{-4}	
		(0.04 ~ 1) kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	1.6×10^{-3}	
		(0.1 ~ 1) Ω		
		10 Hz	3.2×10^{-4}	
		(10 ~ 40) Hz	2.3×10^{-4}	
		(0.04 ~ 1) kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	1.2×10^{-3}	
		(0.01 ~ 0.1) Ω		
		10 Hz	3.4×10^{-4}	
		(0.01 ~ 1) kHz	3.3×10^{-4}	
		(1 ~ 10) kHz	7.3×10^{-3}	
		(0.001 ~ 0.01) Ω		
		45 Hz	1.4×10^{-3}	
		(45 ~ 100) Hz	1.4×10^{-3}	
		(0.1 ~ 1) kHz	1.8×10^{-3}	
		(0.000 5 ~ 0.001) Ω		
		60 Hz	4.8×10^{-3}	
		0.000 5 Ω		
		60 Hz	4.8×10^{-3}	
Voltage/current phase angle meters	40307			Power calibrator
/synchro resolve meters		(50 ~ 60) Hz		/KTICC-CI-40307
Phase		(0 ~ 45)°	0.024°	
		(45 ~ 90)°	0.026°	
		(90 ~ 135)°	0.027°	
		(135 ~ 180)°	0.030°	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Power factor meters	40310			Power calibrator
Power Factor		(50 ~ 60) Hz	(Absolute)	/KTICC-CI-40310
		1	1.6×10^{-4}	
		(1 ~ 0.9)	1.5×10^{-4}	
		(0.9 ~ 0.8)	1.4×10^{-4}	
		(0.8 ~ 0.7)	1.2×10^{-4}	
		(0.7 ~ 0.6)	1.1×10^{-4}	
		(0.6 ~ 0.5)	9.8×10^{-5}	
		(0.5 ~ 0.4)	8.6×10^{-5}	
		(0.4 ~ 0.3)	7.6×10^{-5}	
		(0.3 ~ 0.2)	6.8×10^{-5}	
		(0.2 ~ 0.1)	6.3×10^{-5}	
		(0.1 ~ 0)	6.1×10^{-5}	
AC power meters	40311	(±)		Meter calibrator,
DC Voltage		(0.1 ~ 100) mV	1.3×10^{-5}	Power calibrator
		(0.1 ~ 1) V	8.5×10^{-6}	/KTICC-CI-40311
		(1 ~ 10) V	7.3×10^{-6}	
		(10 ~ 100) V	8.5×10^{-6}	
		(100 ~ 1 000) V	9.5×10^{-6}	
AC Voltage		(0.04 ~ 1) kHz		
		(0.22 ~ 100) mV	1.6×10^{-4}	
		(0.1 ~ 1) V	6.8×10^{-5}	
		(1 ~ 10) V	6.5×10^{-5}	
		(10 ~ 100) V	7.2×10^{-5}	
		(100 ~ 1 000) V	8.5×10^{-5}	
DC Current		(±)		
		1 μA ~ 1 mA	4.4×10^{-5}	
		(1 ~ 10) mA	4.1×10^{-5}	
		(10 ~ 100) mA	5.4×10^{-5}	
		(0.1 ~ 1) A	9.4×10^{-5}	
		(1 ~ 2) A	9.0×10^{-5}	
		(2 ~ 10) A	7.8×10^{-4}	
		(10 ~ 100) A	7.0×10^{-4}	
		(100 ~ 500) A	1.5×10^{-3}	
		(500 ~ 800) A	1.6×10^{-3}	
		(800 ~ 1 000) A	1.7×10^{-3}	
AC Current		(0.04 ~ 1) kHz		
		9 μA ~ 100 mA	1.8×10^{-4}	
		(0.1 ~ 1) A	3.3×10^{-4}	
		(1 ~ 2) A	3.1×10^{-4}	
		(2 ~ 10) A	2.9×10^{-3}	
		(10 ~ 20) A	3.1×10^{-3}	
		60 Hz		
		(20 ~ 100) A	4.0×10^{-3}	
		(100 ~ 200) A	3.7×10^{-3}	
		(200 ~ 300) A	4.7×10^{-3}	
		(300 ~ 400) A	4.3×10^{-3}	
		(400 ~ 500) A	4.0×10^{-3}	
		(500 ~ 800) A	3.8×10^{-3}	
		(800 ~ 1 000) A	3.7×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
AC power meters	40311			Meter calibrator,
AC Power		(50 ~ 60) Hz		Power calibrator
		(0.06 ~ 60) W	1.7×10^{-4}	/KTICC-CI-40311
		(60 ~ 120) W	1.8×10^{-4}	
		(120 ~ 240) W	1.7×10^{-4}	
		(240 ~ 600) W	1.8×10^{-4}	
		(0.6 ~ 1.2) kW	3.3×10^{-4}	
		(1.2 ~ 2.4) kW	6.3×10^{-4}	
		(2.4 ~ 3.6) kW	5.8×10^{-4}	
		(3.6 ~ 4.8) kW	6.3×10^{-4}	
		(4.8 ~ 6.0) kW	5.3×10^{-4}	
		(6.0 ~ 7.2) kW	5.7×10^{-4}	
		(7.2 ~ 9.6) kW	5.4×10^{-4}	
		(9.6 ~ 12) kW	5.3×10^{-4}	
Power Factor		(50 ~ 60) Hz	(absolute)	
		1	1.6×10^{-4}	
		(1 ~ 0.9)	1.5×10^{-4}	
		(0.9 ~ 0.8)	1.4×10^{-4}	
		(0.8 ~ 0.7)	1.2×10^{-4}	
		(0.7 ~ 0.6)	1.1×10^{-4}	
		(0.6 ~ 0.5)	9.8×10^{-5}	
		(0.5 ~ 0.4)	8.6×10^{-5}	
		(0.4 ~ 0.3)	7.6×10^{-5}	
		(0.3 ~ 0.2)	6.8×10^{-5}	
		(0.2 ~ 0.1)	6.3×10^{-5}	
		(0.1 ~ 0)	6.1×10^{-5}	
Frequency		10 Hz ~ 1 MHz	6.1×10^{-5}	
Harmonic Voltage		(50 ~ 3000) Hz		
		0.5 %	8.2×10^{-2}	
		(0.5 ~ 1) %	4.1×10^{-2}	
		(1 ~ 3) %	1.4×10^{-2}	
		(3 ~ 5) %	8.2×10^{-3}	
		(5 ~ 10) %	4.2×10^{-3}	
		(10 ~ 20) %	2.2×10^{-3}	
Harmonic Current		(50 ~ 3000) Hz		
		0.5 %	8.4×10^{-2}	
		(0.5 ~ 1) %	4.2×10^{-2}	
		(1 ~ 3) %	1.4×10^{-2}	
		(3 ~ 5) %	8.4×10^{-3}	
		(5 ~ 10) %	4.2×10^{-3}	
		(10 ~ 20) %	2.1×10^{-3}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
AC power supplies	40312			DMM, Current shunt
AC Voltage		(45 ~ 100) Hz		/KTICC-CI-40312
		(0 ~ 10) V	1.4×10^{-4}	
		(10 ~ 20) V	2.0×10^{-4}	
		(20 ~ 40) V	1.5×10^{-4}	
		(40 ~ 150) V	1.4×10^{-4}	
		(0.1 ~ 5) kHz		
		(0 ~ 10) V	1.2×10^{-4}	
		(10 ~ 20) V	1.8×10^{-4}	
		(20 ~ 40) V	1.3×10^{-4}	
		(40 ~ 150) V	1.2×10^{-4}	
		(0.045 ~ 5) kHz		
		(150 ~ 200) V	2.1×10^{-4}	
		(200 ~ 250) V	1.8×10^{-4}	
		(250 ~ 300) V	1.7×10^{-4}	
		(300 ~ 350) V	2.4×10^{-4}	
		(350 ~ 400) V	2.2×10^{-4}	
		(400 ~ 500) V	2.0×10^{-4}	
AC Current		(0.045 ~ 1) kHz		
		9 μA ~ 100 mA	4.6×10^{-4}	
		(0.1 ~ 1) A	9.7×10^{-4}	
		(1 ~ 100) A	1.2×10^{-3}	
Frequency		(10 ~ 5 000) Hz	6.1×10^{-5}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Puncture/safety testers	40313	(±)		High voltage meter, DMM
DC Voltage		1 V ~ 100 kV	1.2×10^{-3}	High voltage test equipment / KTICC-CI-40313
AC Voltage		(50 ~ 60) Hz		
		1 V ~ 100 kV	1.5×10^{-2}	
DC Cutoff Current		(±)		
		(0.01 ~ 0.5) mA	9.6×10^{-3}	
		(0.5 ~ 1) mA	7.3×10^{-3}	
		(1 ~ 2) mA	6.5×10^{-3}	
		(2 ~ 5) mA	6.0×10^{-3}	
		(5 ~ 10) mA	6.1×10^{-3}	
		(10 ~ 20) mA	6.0×10^{-3}	
AC Cutoff Current		(50 ~ 60) Hz		
		(0.01 ~ 0.5) mA	3.0×10^{-2}	
		(0.5 ~ 1) mA	1.8×10^{-2}	
		(1 ~ 2) mA	1.3×10^{-2}	
		(2 ~ 5) mA	1.0×10^{-2}	
		(5 ~ 10) mA	9.2×10^{-3}	
		(10 ~ 20) mA	8.5×10^{-3}	
		(20 ~ 50) mA	1.2×10^{-2}	
		(50 ~ 100) mA	1.1×10^{-2}	
Timer		(1 ~ 1 000) s	6.1×10^{-5}	
Power recorders	40314			Meter calibrator, Power calibrator /KTICC-CI-40314
AC Voltage		(0.04 ~ 1) kHz		
		(0.22 ~ 100) mV	1.6×10^{-4}	
		(0.1 ~ 1) V	6.8×10^{-5}	
		(1 ~ 10) V	6.5×10^{-5}	
		(10 ~ 100) V	7.2×10^{-5}	
		(100 ~ 1 000) V	8.5×10^{-5}	
AC Current		(0.04 ~ 1) kHz		
		9 μA ~ 100 mA	1.8×10^{-4}	
		(0.1 ~ 1) A	3.3×10^{-4}	
		(1 ~ 2) A	3.1×10^{-4}	
		(2 ~ 10) A	2.9×10^{-3}	
		(10 ~ 20) A	3.1×10^{-3}	
		60 Hz		
		(20 ~ 100) A	4.8×10^{-3}	
AC Power				
		(50 ~ 60) Hz, 120 V		
		(0.06 ~ 600) W	1.8×10^{-4}	
		(0.6 ~ 1.2) kW	3.3×10^{-4}	
		(1.2 ~ 2.4) kW	6.3×10^{-4}	
		(2.4 ~ 3.6) kW	5.8×10^{-4}	
		(3.6 ~ 4.8) kW	5.4×10^{-4}	
		(4.8 ~ 6.0) kW	5.3×10^{-4}	

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Power recorders AC Power	40314	(50 ~ 60) Hz, 240 V 0.06 W ~ 1.2 kW (1.2 ~ 2.4) kW (2.4 ~ 4.8) kW (4.8 ~ 7.2) kW (7.2 ~ 9.6) kW (9.6 ~ 12) kW	 1.8×10^{-4} 3.2×10^{-4} 6.3×10^{-4} 5.7×10^{-4} 5.4×10^{-4} 5.3×10^{-4}	Meter calibrator, Power calibrator /KTICC-CI-40314
AC voltmeters AC Voltage	40318	(0.1 ~ 1) mV (10 ~ 20) Hz (0.02 ~ 20) kHz (20 ~ 50) kHz (50 ~ 100) kHz (100 ~ 200) kHz (200 ~ 500) kHz (0.5 ~ 1) MHz (1 ~ 10) mV (10 ~ 20) Hz (20 ~ 40) Hz (0.04 ~ 20) kHz (20 ~ 50) kHz (50 ~ 100) kHz (100 ~ 200) kHz (200 ~ 500) kHz (0.5 ~ 1) MHz (10 ~ 100) mV (10 ~ 20) Hz (20 ~ 40) Hz (0.04 ~ 20) kHz (20 ~ 50) kHz (50 ~ 100) kHz (100 ~ 200) kHz (200 ~ 500) kHz (0.5 ~ 1) MHz (0.1 ~ 1) V (10 ~ 20) Hz (20 ~ 40) Hz (0.04 ~ 20) kHz (20 ~ 50) kHz (50 ~ 100) kHz (100 ~ 200) kHz (200 ~ 500) kHz (0.5 ~ 1) MHz	 4.3×10^{-3} 4.2×10^{-3} 4.3×10^{-3} 5.6×10^{-3} 1.1×10^{-2} 2.2×10^{-2} 2.3×10^{-2} 6.6×10^{-4} 5.1×10^{-4} 5.0×10^{-4} 6.2×10^{-4} 1.0×10^{-3} 2.1×10^{-3} 3.5×10^{-3} 4.8×10^{-3} 3.8×10^{-4} 1.8×10^{-4} 1.7×10^{-4} 2.9×10^{-4} 6.5×10^{-4} 1.1×10^{-3} 1.7×10^{-3} 3.2×10^{-3} 3.0×10^{-4} 1.3×10^{-4} 9.1×10^{-5} 1.1×10^{-4} 1.6×10^{-4} 5.2×10^{-4} 1.2×10^{-3} 2.0×10^{-3}	Meter calibrator /KTICC-CI-40318

403. AC voltage, current & power

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
AC voltmeters	40318			Meter calibrator
AC Voltage		(1 ~ 10) V		/KTICC-CI-40318
		(10 ~ 20) Hz	3.0×10^{-4}	
		(20 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 20) kHz	8.9×10^{-5}	
		(20 ~ 50) kHz	1.1×10^{-4}	
		(50 ~ 100) kHz	1.4×10^{-4}	
		(100 ~ 200) kHz	3.6×10^{-4}	
		(200 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	1.9×10^{-3}	
		(10 ~ 100) V		
		(20 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 20) kHz	9.4×10^{-5}	
		(20 ~ 50) kHz	1.2×10^{-4}	
		(50 ~ 100) kHz	2.0×10^{-4}	
		(100 ~ 1 000) V		
		(15 ~ 50) Hz	3.3×10^{-4}	
		(0.05 ~ 1) kHz	1.0×10^{-4}	
		(0.000 1 ~ 0.33) V		
		(1 ~ 30) MHz	1.3×10^{-2}	
		(0.33 ~ 3.5) V		
		(1 ~ 30) MHz	1.4×10^{-2}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF amplifiers	40401			Meter calibrator, DMM
DC Gain		1	1.4×10^{-5}	/KTICC-CI-40401
		(1 ~ 3.162 3)	5.7×10^{-5}	
		(3.162 3 ~ 10)	1.4×10^{-5}	
		(10 ~ 50)	6.3×10^{-5}	
		(50 ~ 1 000)	6.3×10^{-5}	
LF Gain		10 Hz		
		1	2.6×10^{-4}	
		(1 ~ 31.623)	3.8×10^{-4}	
		(31.623 ~ 40)	4.3×10^{-4}	
		(40 ~ 50)	2.8×10^{-4}	
		(50 ~ 100)	3.0×10^{-4}	
		(100 ~ 1 000)	3.8×10^{-4}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF amplifiers	40401			Meter calibrator, DMM
LF Gain		(0.01 ~ 20) kHz		/KTICC-CI-40401
		1	7.0×10^{-5}	
		(1 ~ 3.162 3)	9.8×10^{-5}	
		(3.162 3 ~ 10)	7.5×10^{-5}	
		(10 ~ 20)	9.5×10^{-5}	
		(20 ~ 40)	1.0×10^{-4}	
		(40 ~ 50)	9.2×10^{-5}	
		(50 ~ 100)	9.5×10^{-5}	
		(100 ~ 316.23)	1.1×10^{-4}	
		(316.23 ~ 1 000)	1.7×10^{-4}	
		(20 ~ 50) kHz		
		1	1.1×10^{-4}	
		(1 ~ 316.23)	1.5×10^{-4}	
		(316.23 ~ 1 000)	2.9×10^{-4}	
		(50 ~ 100) kHz		
		(1 ~ 3.162 3)	1.9×10^{-4}	
		(3.162 3 ~ 20)	1.8×10^{-4}	
		(20 ~ 316.23)	2.3×10^{-4}	
		(316.23 ~ 1 000)	6.5×10^{-4}	
		(0.1 ~ 1) MHz		
		(1 ~ 10)	3.7×10^{-3}	
		(10 ~ 20)	4.7×10^{-3}	
		(20 ~ 31.623)	5.7×10^{-3}	
		(31.623 ~ 40)	6.8×10^{-3}	
		(40 ~ 316.23)	7.6×10^{-3}	
		(316.23 ~ 600)	9.8×10^{-3}	
		(600 ~ 800)	1.2×10^{-2}	
		(800 ~ 1 000)	1.4×10^{-2}	
DC Bias Voltage		(±)		
		(0 ~ 10) V	6.1×10^{-5}	
		(10 ~ 20) V	3.2×10^{-5}	
		(20 ~ 40) V	1.7×10^{-5}	
		(40 ~ 60) V	1.2×10^{-5}	
		(60 ~ 80) V	9.8×10^{-6}	
		(80 ~ 100) V	6.1×10^{-5}	
		(100 ~ 150) V	4.1×10^{-5}	
		(150 ~ 200) V	3.1×10^{-5}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
DC/LF attenuators	40402			Audio analyzer, DMM
LF Attenuator		(0.01 ~ 100) kHz		Meter calibrator
		(0 ~ 70) dB	0.008 dB	/KTICC-CI-40402
		(70 ~ 80) dB	0.014 dB	
		(100 ~ 300) kHz		
		(0 ~ 60) dB	0.008 dB	
		(60 ~ 70) dB	0.014 dB	
		(70 ~ 80) dB	0.038 dB	
		(300 ~ 500) kHz		
		(0 ~ 50) dB	0.008 dB	
		(50 ~ 60) dB	0.013 dB	
		(60 ~ 70) dB	0.028 dB	
		(70 ~ 80) dB	0.078 dB	
		(0.5 ~ 1) MHz		
		(0 ~ 50) dB	0.013 dB	
		(50 ~ 60) dB	0.025 dB	
		(60 ~ 70) dB	0.045 dB	
		(70 ~ 80) dB	0.099 dB	
Multimeter calibrators	40403	(±)		DC standard, DMM
DC Voltage		(0 ~ 100) mV	8.9 × 10-6	AC/DC transfer standard,
		(100 ~ 190) mV	8.4 × 10-6	Current shunt
		(0.19 ~ 1) V	3.8 × 10-6	Standard resiatance
		(1 ~ 10) V	3.8 × 10-6	Meter calibrator
		(10 ~ 19) V	3.6 × 10-6	/KTICC-CI-40403
		(19 ~ 100) V	6.0 × 10-6	
		(100 ~ 190) V	5.8 × 10-6	
		(190 ~ 1 000) V	6.1 × 10-6	
Resistance		(0 ~ 1) Ω	1.6×10^{-5}	
		(1 ~ 1.9) Ω	1.4×10^{-5}	
		(1.9 ~ 10) Ω	1.1×10^{-5}	
		(10 ~ 19) Ω	1.0×10^{-5}	
		(19 ~ 100) Ω	8.7×10^{-6}	
		(100 ~ 190) Ω	8.4×10^{-6}	
		(0.19 ~ 19) kΩ	7.4×10^{-6}	
		(19 ~ 100) kΩ	7.5×10^{-6}	
		(100 ~ 190) kΩ	7.4×10^{-6}	
		(0.19 ~ 1) MΩ	9.6×10^{-6}	
		(1 ~ 1.9) MΩ	8.9×10^{-6}	
		(1.9 ~ 10) MΩ	2.1×10^{-5}	
		(10 ~ 19) MΩ	1.7×10^{-5}	
		(19 ~ 100) MΩ	1.4×10^{-4}	
DC Current		(±)		
		(0 ~ 19) μA	1.0×10^{-5}	
		(19 ~ 100) μA	6.5×10^{-6}	
		(100 ~ 190) μA	6.3×10^{-6}	
		(0.19 ~ 1) mA	6.5×10^{-6}	
		(1 ~ 1.9) mA	6.3×10^{-6}	
		(1.9 ~ 10) mA	8.3×10^{-6}	
		(10 ~ 19) mA	8.4×10^{-6}	
		(19 ~ 190) mA	1.3×10^{-5}	
		(0.19 ~ 1) A	5.9×10^{-5}	
		(1 ~ 1.9) A	5.8×10^{-5}	
		(1.9 ~ 10) A	8.9×10^{-5}	
		(10 ~ 30) A	1.2×10^{-4}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Multimeter calibrators	40403			DC standard, DMM
AC Voltage		(0.5 ~ 2) mV		AC/DC transfer standard,
		10 Hz	6.0×10^{-4}	Current shunt
		(0.01 ~ 20) kHz	6.0×10^{-4}	Standard resiatance
		(20 ~ 50) kHz	9.0×10^{-4}	Meter calibrator
		(50 ~ 100) kHz	1.1×10^{-3}	/KTICC-CI-40403
		(100 ~ 300) kHz	1.9×10^{-3}	
		(300 ~ 500) kHz	4.1×10^{-3}	
		(0.5 ~ 1) MHz	6.5×10^{-3}	
		(2 ~ 20) mV		
		10 Hz	1.3×10^{-4}	
		(0.01 ~ 0.02) kHz	1.3×10^{-4}	
		(0.02 ~ 0.04) kHz	1.0×10^{-4}	
		(0.04 ~ 20) kHz	9.5×10^{-5}	
		(20 ~ 50) kHz	1.4×10^{-4}	
		(50 ~ 100) kHz	1.8×10^{-4}	
		(100 ~ 300) kHz	3.5×10^{-4}	
		(100 ~ 500) kHz	8.5×10^{-4}	
		(0.5 ~ 1) MHz	2.3×10^{-3}	
		(20 ~ 200) mV		
		10 Hz	6.5×10^{-5}	
		(0.01 ~ 0.02) kHz	6.0×10^{-5}	
		(0.02 ~ 0.04) kHz	3.6×10^{-5}	
		(0.04 ~ 1) kHz	3.3×10^{-5}	
		(1 ~ 20) kHz	3.4×10^{-5}	
		(20 ~ 50) kHz	4.1×10^{-5}	
		(50 ~ 100) kHz	7.5×10^{-5}	
		(100 ~ 300) kHz	1.7×10^{-4}	
		(300 ~ 500) kHz	3.0×10^{-4}	
		(0.5 ~ 1) MHz	1.0×10^{-3}	
		(0.2 ~ 2) V		
		10 Hz	5.5×10^{-5}	
		(0.01 ~ 0.02)	5.0×10^{-5}	
		(0.02 ~ 0.04)	2.8×10^{-5}	
		(0.04 ~ 20) kHz	2.2×10^{-5}	
		(20 ~ 50) kHz	2.7×10^{-5}	
		(50 ~ 100) kHz	4.7×10^{-5}	
		(100 ~ 300) kHz	1.3×10^{-4}	
		(300 ~ 500) kHz	2.2×10^{-4}	
		(0.5 ~ 1) MHz	9.5×10^{-4}	
		(2 ~ 20) V		
		10 Hz	5.5×10^{-5}	
		(0.01 ~ 0.02) kHz	5.0×10^{-5}	
		(0.02 ~ 0.04) kHz	3.0×10^{-5}	
		(0.04 ~ 20) kHz	2.3×10^{-5}	
		(20 ~ 50) kHz	2.9×10^{-5}	
		(50 ~ 100) kHz	5.5×10^{-5}	
		(100 ~ 300) kHz	1.4×10^{-4}	
		(300 ~ 500) kHz	3.5×10^{-4}	
		(0.5 ~ 1) MHz	1.2×10^{-3}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Multimeter calibrators	40403			DC standard, DMM
AC Voltage		(20 ~ 200) V		AC/DC transfer standard,
		10 Hz	6.5×10^{-5}	Current shunt
		(0.01 ~ 0.02) kHz	5.5×10^{-5}	Standard resiatance
		(0.02 ~ 0.04) kHz	3.3×10^{-5}	Meter calibrator
		(0.04 ~ 20) kHz	2.8×10^{-5}	/KTICC-CI-40403
		(20 ~ 50) kHz	4.0×10^{-5}	
		(50 ~ 100) kHz	6.5×10^{-5}	
		(200 ~ 700) V		
		20 Hz	5.3×10^{-5}	
		(0.02 ~ 0.04) kHz	3.4×10^{-5}	
		(0.04 ~ 20) kHz	2.9×10^{-5}	
		(20 ~ 50) kHz	1.1×10^{-4}	
		(50 ~ 100) kHz	6.6×10^{-4}	
		(700 ~ 1 000) V		
		40 Hz	3.6×10^{-5}	
		(0.04 ~ 1) kHz	2.9×10^{-5}	
		(1 ~ 20) kHz	3.0×10^{-5}	
		(20 ~ 30) kHz	1.1×10^{-4}	
AC Current		(0.009 ~ 1) mA		
		20 Hz	4.4×10^{-4}	
		(0.02 ~ 1) kHz	4.4×10^{-4}	
		(1 ~ 10) kHz	1.7×10^{-3}	
		(1 ~ 1.9) mA		
		20 Hz	3.6×10^{-4}	
		(0.02 ~ 1) kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	1.6×10^{-3}	
		(1.9 ~ 10) mA		
		20 Hz	4.4×10^{-4}	
		(0.02 ~ 1) kHz	4.4×10^{-4}	
		(1 ~ 10) kHz	1.5×10^{-3}	
		(10 ~ 19) mA		
		20 Hz	3.6×10^{-4}	
		(0.02 ~ 1) kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-3}	
		(19 ~ 100) mA		
		20 Hz	4.4×10^{-4}	
		(0.02 ~ 1) kHz	4.4×10^{-4}	
		(1 ~ 10) kHz	1.2×10^{-3}	
		(100 ~ 190) mA		
		20 Hz	3.6×10^{-4}	
		(0.02 ~ 1) kHz	3.6×10^{-4}	
		(1 ~ 10) kHz	1.2×10^{-3}	
		(0.19 ~ 1) A		
		20 Hz	8.7×10^{-4}	
		(0.02 ~ 1) kHz	8.7×10^{-4}	
		(1 ~ 10) kHz	6.3×10^{-3}	
		(1 ~ 1.9) A		
		20 Hz	7.9×10^{-4}	
		(0.02 ~ 1) kHz	7.9×10^{-4}	
		(1 ~ 10) kHz	6.3×10^{-3}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Multimeter calibrators	40403			DC standard, DMM
AC Current		(1.9 ~ 10) A		AC/DC transfer standard,
		40 Hz	1.1×10^{-3}	Current shunt
		(0.04 ~ 1) kHz	1.1×10^{-3}	Standard resiatance
		(10 ~ 30) A		Meter calibrator
		40 Hz	1.3×10^{-3}	/KTICC-CI-40403
		(0.04 ~ 1) kHz	1.3×10^{-3}	
Frequency		10 Hz ~ 1 MHz	6.1×10^{-7}	
Widband Voltage		(0.5 ~ 1) mV		
		10 Hz	9.0×10^{-4}	
		(10 ~ 30) Hz	8.0×10^{-4}	
		(0.03 ~ 2) kHz	5.5×10^{-4}	
		(2 ~ 10) kHz	4.6×10^{-4}	
		(10 ~ 100) kHz	4.5×10^{-4}	
		(0.1 ~ 2) MHz	1.3×10^{-3}	
		(2 ~ 10) MHz	2.1×10^{-3}	
		(10 ~ 20) MHz	3.2×10^{-3}	
		(20 ~ 30) MHz	7.1×10^{-3}	
		(30 ~ 50) MHz	1.0×10^{-2}	
		(1 ~ 3.2) mV		
		10 Hz	8.1×10^{-4}	
		(10 ~ 30) Hz	7.8×10^{-4}	
		(0.03 ~ 100) kHz	4.1×10^{-4}	
		(0.1 ~ 2) MHz	8.1×10^{-4}	
		(2 ~ 10) MHz	1.1×10^{-3}	
		(10 ~ 20) MHz	1.7×10^{-3}	
		(20 ~ 30) MHz	3.4×10^{-3}	
		(30 ~ 50) MHz	4.7×10^{-3}	
		(3.2 ~ 32) mV		
		10 Hz	8.1×10^{-4}	
		(10 ~ 30) Hz	8.0×10^{-4}	
		(0.03 ~ 100) kHz	4.1×10^{-4}	
		(0.1 ~ 2) MHz	5.6×10^{-4}	
		(2 ~ 10) MHz	8.4×10^{-4}	
		(10 ~ 20) MHz	1.5×10^{-3}	
		(20 ~ 30) MHz	3.2×10^{-3}	
		(30 ~ 50) MHz	5.1×10^{-3}	
		(0.032 ~ 3.5) V		
		10 Hz	8.5×10^{-4}	
		(10 ~ 30) Hz	8.0×10^{-4}	
		(0.03 ~ 100) kHz	3.2×10^{-4}	
		(0.1 ~ 2) MHz	4.1×10^{-4}	
		(2 ~ 10) MHz	8.5×10^{-4}	
		(10 ~ 20) MHz	1.3×10^{-3}	
		(20 ~ 30) MHz	3.1×10^{-3}	
		(30 ~ 50) MHz	5.1×10^{-3}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Oscilloscope calibrators	40404	(±)		DMM, Frequency counter,
Output DC Voltage		(0 ~ 1) mV	1.2×10^{-4}	RF power meter
		(1 ~ 10) mV	1.6×10^{-5}	/ KTICC-CI-40404
		(10 ~ 100) mV	1.1×10^{-5}	
		(100 ~ 300) mV	5.0×10^{-6}	
		(300 ~ 500) mV	4.2×10^{-6}	
		(0.5 ~ 1) V	7.2×10^{-6}	
		(1 ~ 3) V	5.3×10^{-6}	
		(3 ~ 5) V	5.0×10^{-6}	
		(5 ~ 10) V	7.2×10^{-6}	
		(10 ~ 30) V	7.0×10^{-6}	
		(30 ~ 50) V	6.4×10^{-6}	
		(50 ~ 100) V	8.6×10^{-6}	
		(100 ~ 130) V	7.6×10^{-6}	
		(130 ~ 200) V	8.5×10^{-6}	
Output AC Voltage		(0.05 ~ 10) kHz		
		(0.5 ~ 1) mV	1.1×10^{-3}	
		(1 ~ 3) mV	3.7×10^{-4}	
		(3 ~ 5) mV	2.4×10^{-4}	
		(5 ~ 10) mV	1.4×10^{-4}	
		(10 ~ 30) mV	7.3×10^{-5}	
		(30 ~ 50) mV	6.2×10^{-5}	
		(50 ~ 100) mV	3.8×10^{-5}	
		(100 ~ 300) mV	2.9×10^{-5}	
		(300 ~ 500) mV	2.8×10^{-5}	
		(0.5 ~ 1) V	2.3×10^{-5}	
		(1 ~ 5) V	2.2×10^{-5}	
		(5 ~ 10) V	2.3×10^{-5}	
		(10 ~ 30) V	2.7×10^{-5}	
		(30 ~ 50) V	2.8×10^{-5}	
		(50 ~ 100) V	2.9×10^{-5}	
		(100 ~ 200) V	2.8×10^{-5}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Oscilloscope calibrators	40404			DMM, Frequency counter,
Time Marker		1 ns	6.1×10^{-8}	RF power meter
		(1 ~ 2) ns	3.1×10^{-8}	/ KTICC-CI-40404
		(2 ~ 5) ns	1.2×10^{-8}	
		(5 ~ 10) ns	6.1×10^{-8}	
		(10 ~ 20) ns	3.1×10^{-8}	
		(20 ~ 50) ns	1.2×10^{-8}	
		(50 ~ 100) ns	6.1×10^{-8}	
		(100 ~ 200) ns	3.1×10^{-8}	
		(200 ~ 500) ns	1.2×10^{-8}	
		(0.5 ~ 1) μs	6.1×10^{-8}	
		(1 ~ 2) μs	3.1×10^{-8}	
		(2 ~ 5) μs	1.2×10^{-8}	
		(5 ~ 10) μs	6.1×10^{-8}	
		(10 ~ 20) μs	3.1×10^{-8}	
		(20 ~ 50) μs	1.2×10^{-8}	
		(50 ~ 100) μs	6.1×10^{-8}	
		(100 ~ 200) μs	3.1×10^{-8}	
		(200 ~ 500) μs	1.2×10^{-8}	
		(0.5 ~ 1) ms	6.1×10^{-8}	
		(1 ~ 2) ms	3.1×10^{-8}	
		(2 ~ 5) ms	1.2×10^{-8}	
		(5 ~ 10) ms	6.1×10^{-8}	
		(10 ~ 20) ms	3.1×10^{-8}	
		(20 ~ 50) ms	1.2×10^{-7}	
		(50 ~ 100) ms	6.1×10^{-7}	
		(100 ~ 200) ms	3.1×10^{-7}	
		(200 ~ 500) ms	1.2×10^{-7}	
		(0.5 ~ 1) s	6.1×10^{-7}	
		(1 ~ 2) s	3.1×10^{-7}	
		(2 ~ 5) s	1.2×10^{-7}	
Level Sine Wave Amplitude		(1 ~ 50) kHz		
		5 mV	1.8×10^{-3}	
		(5 ~ 10) mV	7.6×10^{-4}	
		(10 ~ 30) mV	5.0×10^{-4}	
		(30 ~ 100) mV	5.1×10^{-4}	
		(100 ~ 600) mV	4.5×10^{-4}	
		(0.6 ~ 5.5) V	3.9×10^{-4}	
Level Sine Wave Flatness		50 kHz ~ 6 GHz		
		30 mV	2.0×10^{-2}	
		(0.03 ~ 3) V	1.8×10^{-2}	

404. Other DC & LF measurement

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Video signal generators	40406			Video signal analyzers /KTICC-CI-40406
Frequency		10 Hz ~ 5 GHz	3.7×10^{-10}	
Luminance Level		NTSC, PAL		
		(1 ~ 100) mV	0.70 mV	
		(100 ~ 200) mV	0.92 mV	
		(200 ~ 300) mV	1.2 mV	
		(300 ~ 400) mV	1.5 mV	
		(400 ~ 500) mV	1.8 mV	
		(500 ~ 600) mV	2.5 mV	
		(600 ~ 714.3) mV	2.5 mV	
Chrominance Level		NTSC, PAL		
		(100 ~ 714.3) mV	8.4×10^{-3}	
Phase		NTSC, PAL		
		(0 ~ 360) °	1.4 °	
H Timing		H Blanking, Sync to Setup		
		(8.8 ~ 13) μs	0.024 μs	
		Sync to Burst Start / End		
		(4 ~ 10) μs	0.036 μs	
		Sync Width		
		(1 ~ 8) μs	0.024 μs	
		Burst Width		
		(1.4 ~ 3) μs	0.036 μs	
		Front Proch		
		(0.1 ~ 3.5) μs	0.024 μs	
		Rise Time, Fall Time		
		80 ns ~ 1 μs	12 ns	
Audio distortion analyzers/meters	40407			Meter calibrator,
Frequency		(0.01 ~ 100) kHz	6.1×10^{-6}	Frequency counter,
		(100 ~ 200) kHz	3.1×10^{-6}	Audio analyzer /KTICC-CI-40407
AC Voltage		(0.22 ~ 1) mV		
		10 Hz	4.4×10^{-3}	
		(10 ~ 40) Hz	5.0×10^{-3}	
		(0.04 ~ 10) kHz	4.2×10^{-3}	
		(10 ~ 100) kHz	5.6×10^{-3}	
		(100 ~ 200) kHz	1.1×10^{-2}	
		(1 ~ 10) mV		
		10 Hz	6.6×10^{-4}	
		(0.01 ~ 10) kHz	5.1×10^{-4}	
		(10 ~ 100) kHz	1.0×10^{-3}	
		(100 ~ 200) kHz	2.1×10^{-3}	
		(10 ~ 100) mV		
		10 Hz	3.8×10^{-4}	
		(0.01 ~ 10) kHz	1.8×10^{-4}	
		(10 ~ 100) kHz	6.5×10^{-4}	
		(100 ~ 200) kHz	1.1×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Audio distortion analyzers/meters	40407			Meter calibrator,
AC Voltage		(0.1 ~ 1) V		Frequency counter,
		10 Hz	3.0×10^{-4}	Audio analyzer
		(10 ~ 40) Hz	1.3×10^{-4}	/KTICC-CI-40407
		(0.04 ~ 10) kHz	9.1×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 200) kHz	5.2×10^{-4}	
		(1 ~ 10) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	8.9×10^{-5}	
		(10 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 200) kHz	3.6×10^{-4}	
		(10 ~ 100) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	9.4×10^{-5}	
		(10 ~ 100) kHz	2.0×10^{-4}	
		(100 ~ 200) V		
		10 Hz	2.7×10^{-4}	
		(10 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 10) kHz	7.5×10^{-5}	
		(10 ~ 100) kHz	1.9×10^{-4}	
		(200 ~ 300) V		
		50 Hz	3.7×10^{-4}	
		(0.05 ~ 1) kHz	9.3×10^{-5}	
DC Voltage		(±)		
		(0 ~ 100) mV	6.2×10^{-5}	
		(0.1 ~ 100) V	6.1×10^{-5}	
		(100 ~ 300) V	2.2×10^{-5}	
Level		10 Hz		
		(40 ~ -40) dBm	0.009 dB	
		(-40 ~ -50) dBm	0.018 dB	
		(-50 ~ -60) dBm	0.048 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(0.01 ~ 1) kHz		
		(50 ~ -40) dBm	0.009 dB	
		(-40 ~ -50) dBm	0.016 dB	
		(-50 ~ -60) dBm	0.047 dB	
		(-60 ~ -70) dBm	0.14 dB	
		(1 ~ 10) kHz		
		(40 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.016 dB	
		(-50 ~ -60) dBm	0.047 dB	
		(-60 ~ -70) dBm	0.14 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Audio distortion analyzers/meters	40407			Meter calibrator,
Level		(10 ~ 100) kHz		Frequency counter,
		(40 ~ -20) dBm	0.009 dB	Audio analyzer
		(-20 ~ -40) dBm	0.012 dB	/KTICC-CI-40407
		(-40 ~ -50) dBm	0.023 dB	
		(-50 ~ -60) dBm	0.062 dB	
		(-60 ~ -70) dBm	0.18 dB	
		(100 ~ 200) kHz		
		(20 ~ -10) dBm	0.009 dB	
		(-10 ~ -20) dBm	0.012 dB	
		(-20 ~ -30) dBm	0.017 dB	
		(-30 ~ -40) dBm	0.022 dB	
		(-40 ~ -50) dBm	0.046 dB	
		(-50 ~ -60) dBm	0.12 dB	
		(-60 ~ -70) dBm	0.36 dB	
Frequency Respones		100 mV		
(Voltage)		(10 ~ 20) Hz	3.8×10^{-4}	
		(20 ~ 40) Hz	1.8×10^{-4}	
		(0.04 ~ 10) kHz	1.7×10^{-4}	
		(10 ~ 100) kHz	6.5×10^{-4}	
		(100 ~ 200) kHz	1.1×10^{-3}	
		(0.1 ~ 1) V		
		(10 ~ 20) Hz	3.0×10^{-4}	
		(20 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	9.1×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 200) kHz	5.2×10^{-4}	
		(1 ~ 10) V		
		(10 ~ 20) Hz	3.0×10^{-4}	
		(20 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	8.9×10^{-5}	
		(10 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 200) kHz	3.6×10^{-4}	
Frequency Respones		(10 ~ -10) dBm		
(Level)		(10 ~ 40) Hz	0.008 dB	
		(0.04 ~ 100) kHz	0.007 dB	
		(100 ~ 200) kHz	0.010 dB	
Distortion		(0.02 ~ 100) kHz		
		(0 ~ -60) dB	0.19 dB	
		(-60 ~ -80) dB	0.50 dB	
Filter(Frequency)		(0.01 ~ 100) kHz	6.1×10^{-6}	
(Weight, Low, High Pass)				
Filter(Level)		(0.01 ~ 100) kHz		
(Weight, Low, High Pass)		(20 ~ -63) dB	0.007 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF filters	40408			Meter calibrator,
Filter(Frequency)		10 Hz ~ 1 MHz	6.1×10^{-6}	LF signal generator,
(Weight, Low, High Pass etc.)				Frequency counter,
Filter(Level)		20 Hz		Audio analyzer
(Weight, Low, High Pass etc.)		(0 ~ -30) dB	0.10 dB	/KTICC-CI-40408
		(-30 ~ -50) dB	0.20 dB	
		(-50 ~ -60) dB	0.30 dB	
		(0.02 ~ 100) kHz		
		(0 ~ -30) dB	0.054 dB	
		(-30 ~ -50) dB	0.10 dB	
		(-50 ~ -60) dB	0.21 dB	
		(0.1 ~ 1) MHz		
		(0 ~ -20) dB	0.076 dB	
		(-20 ~ -30) dB	0.086 dB	
		(-30 ~ -40) dB	0.20 dB	
		(-40 ~ -50) dB	0.22 dB	
		(-50 ~ -60) dB	0.38 dB	
LF/audio signal analyzers	40409			Meter calibrator, DMM
Input Frequency		(0.01 ~ 100) kHz	6.1×10^{-6}	Frequency counter,
		(100 ~ 200) kHz	3.1×10^{-6}	Audio analyzer
				/KTICC-CI-40409
Input AC Voltge		(0.22 ~ 1) mV		
		10 Hz	4.4×10^{-3}	
		(10 ~ 40) Hz	5.0×10^{-3}	
		(0.04 ~ 10) kHz	4.2×10^{-3}	
		(10 ~ 100) kHz	5.6×10^{-3}	
		(100 ~ 200) kHz	1.1×10^{-2}	
		(1 ~ 10) mV		
		10 Hz	6.6×10^{-4}	
		(0.01 ~ 10) kHz	5.1×10^{-4}	
		(10 ~ 100) kHz	1.0×10^{-3}	
		(100 ~ 200) kHz	2.1×10^{-3}	
		(10 ~ 100) mV		
		10 Hz	3.8×10^{-4}	
		(0.01 ~ 10) kHz	1.8×10^{-4}	
		(10 ~ 100) kHz	6.5×10^{-4}	
		(100 ~ 200) kHz	1.1×10^{-3}	
		(0.01 ~ 1) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	9.1×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 200) kHz	5.2×10^{-4}	
		(1 ~ 10) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	8.9×10^{-5}	
		(10 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 200) kHz	3.6×10^{-4}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF/audio signal analyzers	40409			Meter calibrator, DMM
Input AC Voltge		(10 ~ 100) V		Frequency counter,
		10 Hz	3.0×10^{-4}	Audio analyzer
		(10 ~ 40) Hz	1.3×10^{-4}	/KTICC-CI-40409
		(0.04 ~ 10) kHz	9.4×10^{-5}	
		(10 ~ 100) kHz	2.0×10^{-4}	
		(100 ~ 200) V		
		10 Hz	2.7×10^{-4}	
		(10 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 10) kHz	7.5×10^{-5}	
		(10 ~ 100) kHz	1.9×10^{-4}	
		(200 ~ 300) V		
		50 Hz	3.7×10^{-4}	
		(0.05 ~ 1) kHz	9.3×10^{-5}	
Input DC Voltage		(±)		
		(0 ~ 100) mV	6.2×10^{-5}	
		(0.1 ~ 100) V	6.1×10^{-5}	
		(100 ~ 300) V	2.2×10^{-5}	
Input Level		10 Hz		
		(40 ~ -40) dBm	0.009 dB	
		(-40 ~ -50) dBm	0.018 dB	
		(-50 ~ -60) dBm	0.048 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(0.01 ~ 1) kHz		
		(50 ~ -40) dBm	0.009 dB	
		(-40 ~ -50) dBm	0.016 dB	
		(-50 ~ -60) dBm	0.047 dB	
		(-60 ~ -70) dBm	0.14 dB	
		(1 ~ 10) kHz		
		(40 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.016 dB	
		(-50 ~ -60) dBm	0.047 dB	
		(-60 ~ -70) dBm	0.14 dB	
		(10 ~ 100) kHz		
		(40 ~ -20) dBm	0.009 dB	
		(-20 ~ -40) dBm	0.012 dB	
		(-40 ~ -50) dBm	0.023 dB	
		(-50 ~ -60) dBm	0.062 dB	
		(-60 ~ -70) dBm	0.18 dB	
		(100 ~ 200) kHz		
		(20 ~ -10) dBm	0.009 dB	
		(-10 ~ -20) dBm	0.012 dB	
		(-20 ~ -30) dBm	0.017 dB	
		(-30 ~ -40) dBm	0.022 dB	
		(-40 ~ -50) dBm	0.046 dB	
		(-50 ~ -60) dBm	0.12 dB	
		(-60 ~ -70) dBm	0.36 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF/audio signal analyzers	40409			Meter calibrator, DMM
Frequency Respones		100 mV		Frequency counter,
(Voltage)		(10 ~ 20) Hz	3.8×10^{-4}	Audio analyzer
		(20 ~ 40) Hz	1.8×10^{-4}	/KTICC-CI-40409
		(0.04 ~ 10) kHz	1.7×10^{-4}	
		(10 ~ 100) kHz	6.5×10^{-4}	
		(100 ~ 200) kHz	1.1×10^{-3}	
		(0.1 ~ 1) V		
		(10 ~ 20) Hz	3.0×10^{-4}	
		(20 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	9.1×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 200) kHz	5.2×10^{-4}	
		(1 ~ 10) V		
		(10 ~ 20) Hz	3.0×10^{-4}	
		(20 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	8.9×10^{-5}	
		(10 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 200) kHz	3.6×10^{-4}	
Frequency Respones		(10 ~ -10) dBm		
(Level)		(10 ~ 40) Hz	0.008 dB	
		(0.04 ~ 100) kHz	0.007 dB	
		(100 ~ 200) kHz	0.010 dB	
Distortion		(0.02 ~ 100) kHz		
		(0 ~ -60) dB	0.19 dB	
		(-60 ~ -80) dB	0.50 dB	
Filter(Frequency)		(0.01 ~ 100) kHz	6.1×10^{-6}	
(Weight, Low, High Pass)				
Filter(Level)		(0.01 ~ 100) kHz		
(Weight, Low, High Pass)		(20 ~ -63) dB	0.007 dB	
Output Frequency		(0.001 ~ 100) kHz	6.1×10^{-7}	
		(100 ~ 200) kHz	1.0×10^{-7}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF/audio signal analyzers	40409			Meter calibrator, DMM
Output AC Voltage		(0.5 ~ 1) mV		Frequency counter,
		10 Hz	1.3×10^{-3}	Audio analyzer
		(0.01 ~ 10) kHz	1.2×10^{-3}	/KTICC-CI-40409
		(10 ~ 50) kHz	1.8×10^{-3}	
		(50 ~ 100) kHz	2.1×10^{-3}	
		(100 ~ 200) kHz	3.5×10^{-3}	
		(1 ~ 10) mV		
		10 Hz	1.8×10^{-4}	
		(0.01 ~ 10) kHz	1.6×10^{-4}	
		(10 ~ 50) kHz	2.2×10^{-4}	
		(50 ~ 100) kHz	2.7×10^{-4}	
		(100 ~ 200) kHz	7.5×10^{-4}	
		(10 ~ 100) mV		
		10 Hz	9.3×10^{-5}	
		(0.01 ~ 10) kHz	7.4×10^{-5}	
		(10 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.0×10^{-4}	
		(100 ~ 200) kHz	1.9×10^{-4}	
		(0.1 ~ 1) V		
		10 Hz	8.3×10^{-5}	
		(0.01 ~ 50) kHz	6.7×10^{-5}	
		(50 ~ 100) kHz	7.7×10^{-5}	
		(100 ~ 200) kHz	1.4×10^{-4}	
		(1 ~ 10) V		
		10 Hz	8.2×10^{-5}	
		(0.01 ~ 50) kHz	6.8×10^{-5}	
		(50 ~ 100) kHz	8.2×10^{-5}	
		(100 ~ 200) kHz	1.5×10^{-4}	
		(10 ~ 100) V		
		10 Hz	8.8×10^{-5}	
		(0.01 ~ 10) kHz	6.9×10^{-5}	
		(10 ~ 50) kHz	7.3×10^{-5}	
		(50 ~ 100) kHz	9.1×10^{-5}	
Output Level		10 Hz		
		(20 ~ -50) dBm	0.008 dB	
		(-50 ~ -60) dBm	0.014 dB	
		(0.01 ~ 10) kHz		
		(20 ~ -50) dBm	0.008 dB	
		(-50 ~ -60) dBm	0.013 dB	
		(10 ~ 100) kHz		
		(20 ~ -40) dBm	0.007 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.023 dB	
		(100 ~ 200) kHz		
		(20 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.014 dB	
		(-50 ~ -60) dBm	0.038 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF/audio signal analyzers	40409			Meter calibrator, DMM
Flatness		100 mV		Frequency counter,
(Voltage)		10 Hz	9.3×10^{-5}	Audio analyzer
		(0.01 ~ 10) kHz	7.4×10^{-5}	/KTICC-CI-40409
		(10 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.0×10^{-4}	
		(100 ~ 200) kHz	1.9×10^{-4}	
		(0.1 ~ 10) V		
		10 Hz	8.2×10^{-5}	
		(0.01 ~ 50) kHz	6.8×10^{-5}	
		(50 ~ 100) kHz	8.2×10^{-5}	
		(100 ~ 200) kHz	1.5×10^{-4}	
Flatness		(-10 ~ 10) dBm		
(Level)		10 Hz	0.007 dB	
		(0.01 ~ 200) kHz	0.007 dB	
Line frequency meters	40410			Power calibrator
Frequency		25 Hz	4.4×10^{-4}	/KTICC-CI-40410
		(25 ~ 50) Hz	2.2×10^{-4}	
		(50 ~ 60) Hz	2.0×10^{-4}	
		(60 ~ 100) Hz	2.4×10^{-4}	
		(100 ~ 500) Hz	1.7×10^{-4}	
		(500 ~ 1 000) Hz	2.4×10^{-4}	
Function generators	40411			DMM, Frequency counter,
Frequency		1 Hz ~ 100 MHz	6.1×10^{-9}	Measuring receiver,
		(100 ~ 400) MHz	1.6×10^{-9}	Oscilloscope
				/KTICC-CI-40411
AC Voltage		(0.22 ~ 1) mV		
		10 Hz	1.3×10^{-3}	
		(0.01 ~ 10) kHz	1.2×10^{-3}	
		(10 ~ 100) kHz	2.1×10^{-3}	
		(0.1 ~ 1) MHz	1.0×10^{-2}	
		(1 ~ 10) mV		
		10 Hz	1.8×10^{-4}	
		(0.01 ~ 10) kHz	1.6×10^{-4}	
		(10 ~ 50) kHz	2.2×10^{-4}	
		(50 ~ 100) kHz	2.7×10^{-4}	
		(0.1 ~ 1) MHz	2.7×10^{-3}	
		(10 ~ 100) mV		
		10 Hz	9.3×10^{-5}	
		(0.01 ~ 10) kHz	7.4×10^{-5}	
		(10 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.0×10^{-4}	
		(0.1 ~ 1) MHz	1.0×10^{-3}	
		(0.1 ~ 1) V		
		10 Hz	8.3×10^{-5}	
		(0.01 ~ 50) kHz	6.7×10^{-5}	
		(50 ~ 100) kHz	7.7×10^{-5}	
		(0.1 ~ 1) MHz	9.6×10^{-4}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Function generators	40411			DMM, Frequency counter,
AC Voltage		(1 ~ 10) V		Measuring receiver,
		10 Hz	8.2×10^{-5}	Oscilloscope
		(0.01 ~ 10) kHz	6.8×10^{-5}	/KTICC-CI-40411
		(50 ~ 100) kHz	8.2×10^{-5}	
		(0.1 ~ 1) MHz	1.2×10^{-3}	
		(10 ~ 100) V		
		10 Hz	8.8×10^{-5}	
		(0.01 ~ 10) kHz	6.9×10^{-5}	
		(10 ~ 50) kHz	7.3×10^{-5}	
		(50 ~ 100) kHz	9.1×10^{-5}	
Level		10 Hz		
		(20 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.49 dB	
		(10 ~ 40) Hz		
		(20 ~ -40) dBm	0.007 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.30 dB	
		(0.04 ~ 10) kHz		
		(20 ~ -40) dBm	0.007 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.21 dB	
		(0.01 ~ 10) MHz		
		(20 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.011 dB	
		(-50 ~ -60) dBm	0.14 dB	
		(10 ~ 50) MHz		
		(20 ~ -50) dBm	0.024 dB	
		(-50 ~ -60) dBm	0.14 dB	
		(50 ~ 400) MHz		
		(20 ~ -30) dBm	0.12 dB	
		(-30 ~ -60) dBm	0.14 dB	
Flatness (Voltage)		100 mV		
		10 Hz	8.7×10^{-4}	
		(0.01 ~ 100) kHz	4.5×10^{-4}	
		(0.1 ~ 1) MHz	5.1×10^{-4}	
		(1 ~ 10) MHz	8.9×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.1×10^{-3}	
		(50 ~ 400) MHz	2.6×10^{-2}	
		(0.1 ~ 1) V		
		10 Hz	8.9×10^{-4}	
		(0.01 ~ 100) kHz	4.0×10^{-4}	
		(0.1 ~ 1) MHz	5.1×10^{-4}	
		(1 ~ 10) MHz	8.9×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.0×10^{-3}	
		(50 ~ 400) MHz	2.7×10^{-2}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Function generators	40411			DMM, Frequency counter,
Flatness		(1 ~ 3) V		Measuring receiver,
(Voltage)		10 Hz	9.0×10^{-4}	Oscilloscope
		(0.01 ~ 100) kHz	4.3×10^{-4}	/KTICC-CI-40411
		(0.1 ~ 1) MHz	5.3×10^{-4}	
		(1 ~ 10) MHz	9.0×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.0×10^{-3}	
		(50 ~ 400) MHz	2.8×10^{-2}	
Flatness				
(Level)		(10 ~ -10) dBm		
		10 Hz ~ 10 MHz	0.008 dB	
		(10 ~ 30) MHz	0.015 dB	
		(30 ~ 50) MHz	0.023 dB	
		(50 ~ 400) MHz	0.11 dB	
DC Offset Voltage		(±)		
		(0 ~ 1) V	6.2×10^{-5}	
		(1 ~ 5) V	1.3×10^{-5}	
		(5 ~ 10) V	7.2×10^{-6}	
Attenuator		(0.04 ~ 100) kHz		
		(30 ~ -40) dB	0.054 dB	
		(-40 ~ -60) dB	0.10 dB	
		(-60 ~ -70) dB	0.20 dB	
		(-70 ~ -80) dB	0.30 dB	
		(0.1 ~ 400) MHz		
		(30 ~ -40) dB	0.061 dB	
		(-40 ~ -50) dB	0.068 dB	
		(-50 ~ -60) dB	0.072 dB	
		(-60 ~ -70) dB	0.076 dB	
		(-70 ~ -80) dB	0.081 dB	
Frequency Modulation		(0 ~ 400) kHz	2.8×10^{-2}	
Amplitude Modulation		(0 ~ 99) %	2.7×10^{-2}	
Phase		(0 ~ 360)°	0.061°	
Duty cycle		(1 ~ 99) %	0.006 1 %	
Rise/Fall Time		0.4 ns	4.8×10^{-1}	
		(0.4 ~ 1) ns	9.0×10^{-2}	
		1 ns ~ 1 ms	8.2×10^{-3}	
AC/DC high voltage voltmeters	40413	(±)		High voltage supply
DC Voltage		(0 ~ 1) kV	1.3×10^{-3}	High volt meter, DMM
		(1 ~ 50) kV	1.2×10^{-3}	High voltage test equipment
				/KTICC-CI-40413
AC Voltage		(50 ~ 60) Hz		
		(0.1 ~ 10) kV	1.5×10^{-2}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF impulse generators	40414	(±)		Oscilloscope,
Output Voltage		(0.001 ~ 20) kV	1.3×10^{-2}	High voltage probe /KTICC-CI-40414
Pulse Width		1 ns	9.0×10^{-2}	
		(1 ~ 10) ns	3.6×10^{-3}	
		10 ns ~ 100 ms	3.4×10^{-3}	
Frequency		100 Hz	3.4×10^{-3}	
		(100 ~ 200) Hz	3.9×10^{-3}	
		(200 ~ 500) Hz	5.6×10^{-3}	
		(0.5 ~ 1) kHz	3.4×10^{-3}	
		(1 ~ 2) kHz	3.9×10^{-3}	
		(2 ~ 5) kHz	5.6×10^{-3}	
		(5 ~ 10) kHz	3.4×10^{-3}	
		(10 ~ 20) kHz	3.9×10^{-3}	
Leakage current testers	40416	(±)		Meter calibrator, DMM
DC Voltage		(0 ~ 0.1) V	6.2×10^{-5}	/KTICC-CI-40416
		(0.1 ~ 100) V	6.1×10^{-5}	
		(100 ~ 1 000) V	6.2×10^{-5}	
AC Voltage		(0.02 ~ 1) kHz		
		(0.22 ~ 100) mV	1.7×10^{-4}	
		(0.1 ~ 1) V	9.1×10^{-5}	
		(1 ~ 10) V	8.9×10^{-5}	
		(10 ~ 100) V	9.4×10^{-5}	
		(100 ~ 1 000) V	1.0×10^{-4}	
DC Current		(±)		
		(0 ~ 10) μA	8.9×10^{-4}	
		(10 ~ 100) μA	6.2×10^{-4}	
		(100 ~ 500) μA	1.3×10^{-4}	
		(0.5 ~ 1) mA	6.1×10^{-4}	
		(1 ~ 5) mA	1.3×10^{-4}	
		(5 ~ 10) mA	6.2×10^{-4}	
		(10 ~ 50) mA	1.4×10^{-4}	
		(50 ~ 100) mA	6.2×10^{-4}	
AC Current		(0.04 ~ 1) kHz		
		(0.009 ~ 1) mA	6.4×10^{-4}	
		(1 ~ 5) mA	2.4×10^{-4}	
		(5 ~ 10) mA	7.6×10^{-4}	
		(10 ~ 50) mA	6.4×10^{-4}	
		(50 ~ 100) mA	7.6×10^{-4}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Leakage current testers Output voltage to input voltage ratios	40416	Unweighted touch current measuring network ratio (1 ~ 4)		Meter calibrator, DMM /KTICC-CI-40416
		0.02 kHz	3.0×10^{-4}	
		0.05 kHz	1.4×10^{-4}	
		0.06 kHz	1.4×10^{-4}	
		0.1 kHz	1.4×10^{-4}	
		0.2 kHz	1.3×10^{-4}	
		0.5 kHz	1.1×10^{-4}	
		1 kHz	9.2×10^{-5}	
		2 kHz	8.1×10^{-5}	
		5 kHz	7.4×10^{-5}	
		10 kHz	7.4×10^{-5}	
		20 kHz	7.3×10^{-5}	
		50 kHz	1.0×10^{-4}	
		100 kHz	1.4×10^{-4}	
		200 kHz	3.5×10^{-4}	
		500 kHz	1.2×10^{-3}	
		1 000 kHz	2.1×10^{-3}	
		Perception or reaction measuring network ratio (3.43 ~ 1 382)		
		0.02 kHz	3.0×10^{-4}	
		0.05 kHz	1.4×10^{-4}	
		0.06 kHz	1.4×10^{-4}	
		0.1 kHz	1.4×10^{-4}	
		0.2 kHz	1.3×10^{-4}	
		0.5 kHz	1.2×10^{-4}	
		1 kHz	1.1×10^{-4}	
		2 kHz	1.3×10^{-4}	
		5 kHz	7.9×10^{-5}	
		10 kHz	4.3×10^{-5}	
		20 kHz	8.6×10^{-5}	
		50 kHz	2.2×10^{-4}	
		100 kHz	4.2×10^{-4}	
		200 kHz	2.9×10^{-4}	
		500 kHz	7.2×10^{-4}	
		1 000 kHz	1.4×10^{-3}	
		Foil around lamp network ratio (1 000 ~ 5 503)		
		0.06 kHz	3.2×10^{-4}	
		0.1 kHz	3.3×10^{-4}	
		0.2 kHz	3.9×10^{-4}	
		0.5 kHz	4.3×10^{-4}	
		1 kHz	5.3×10^{-4}	
		2 kHz	8.4×10^{-4}	
		5 kHz	1.4×10^{-3}	
		10 kHz	1.6×10^{-3}	
		20 kHz	1.7×10^{-3}	
		50 kHz	1.7×10^{-3}	
		100 kHz	1.8×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Electronic AC/DC loads	40417	(±)		DC/AC power supply,
DC Voltage		(0 ~ 1 000) V	6.2×10^{-5}	Meter calibrator,
DC Current		(±)		Current shunt, DMM
		(0 ~ 100) mA	1.3×10^{-4}	/KTICC-CI-40417
		(0.1 ~ 1) A	2.4×10^{-4}	
		(1 ~ 10) A	2.5×10^{-4}	
		(10 ~ 100) A	5.9×10^{-4}	
AC Voltage		(40 ~ 100) Hz		
		0.22 mV ~ 10 V	9.5×10^{-5}	
		(10 ~ 100) V	1.0×10^{-4}	
		(100 ~ 1 000) V	2.0×10^{-4}	
AC Current		(40 ~ 100) Hz		
		0.009 mA ~ 30 A	1.3×10^{-3}	
Modulation meters	40418			RF signal generator,
Frequency Modulation		(0 ~ 400) kHz	2.8×10^{-2}	Measuring receiver,
				/KTICC-CI-40418
Amplitude Modulation		(0 ~ 99) %	2.7×10^{-2}	
Phase Modulation		(0 ~ 400) rad	4.2×10^{-2}	
Frequency		(0.1 ~ 1 000) MHz	6.1×10^{-9}	
Analogue/digital multimeters	40419	(±)		Meter calibrator,
DC Voltage		(0 ~ 10) mV	4.9×10^{-5}	Frequency generator,
		(10 ~ 19) mV	2.9×10^{-5}	Standard resistance,
		(19 ~ 100) mV	1.2×10^{-5}	DC reference standard
		(100 ~ 190) mV	1.0×10^{-5}	/KTICC-CI-40419
		(0.19 ~ 1) V	5.9×10^{-6}	
		(1 ~ 1.9) V	5.8×10^{-6}	
		(1.9 ~ 10) V	4.0×10^{-6}	
		(10 ~ 19) V	3.9×10^{-6}	
		(19 ~ 100) V	5.9×10^{-6}	
		(100 ~ 190) V	5.8×10^{-6}	
		(190 ~ 1 000) V	7.3×10^{-6}	
AC Voltage		(0.22 ~ 100) mV		
		(10 ~ 20) Hz	3.7×10^{-4}	
		(20 ~ 40) Hz	1.7×10^{-4}	
		(0.04 ~ 20) kHz	1.6×10^{-4}	
		(20 ~ 50) kHz	2.8×10^{-4}	
		(50 ~ 100) kHZ	6.5×10^{-4}	
		(100 ~ 200) kHz	1.1×10^{-3}	
		(200 ~ 500) kHz	1.7×10^{-3}	
		(0.5 ~ 1) MHz	3.2×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Analogue/digital multimeters AC Voltage	40419	(100 ~ 190) mV		Meter calibrator, Frequency generator, Standard resistance, DC reference standard /KTICC-CI-40419
		(10 ~ 20) Hz	3.2×10^{-4}	
		(20 ~ 40) Hz	1.4×10^{-4}	
		(0.04 ~ 20) kHz	1.3×10^{-4}	
		(20 ~ 50) kHz	2.5×10^{-4}	
		(50 ~ 100) kHZ	5.8×10^{-4}	
		(100 ~ 200) kHz	1.1×10^{-3}	
		(200 ~ 500) kHz	1.6×10^{-3}	
		(0.5 ~ 1) MHz	3.0×10^{-3}	
		(0.19 ~ 1) V		
		(10 ~ 20) Hz	2.9×10^{-4}	
		(20 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 20) kHz	6.8×10^{-5}	
		(20 ~ 50) kHz	9.6×10^{-5}	
		(50 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 200) kHz	5.2×10^{-4}	
		(200 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	2.0×10^{-3}	
		(1 ~ 1.9) V		
		(10 ~ 20) Hz	2.7×10^{-4}	
		(20 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 20) kHz	6.3×10^{-5}	
		(20 ~ 50) kHz	8.9×10^{-5}	
		(50 ~ 100) kHz	1.4×10^{-4}	
		(100 ~ 200) kHz	4.8×10^{-4}	
		(200 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	1.9×10^{-3}	
		(1.9 ~ 10) V		
		(10 ~ 20) Hz	2.9×10^{-4}	
		(20 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 20) kHz	6.5×10^{-5}	
		(20 ~ 50) kHz	1.0×10^{-4}	
		(50 ~ 100) kHz	1.3×10^{-4}	
		(100 ~ 200) kHz	3.5×10^{-4}	
		(200 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	1.9×10^{-3}	
		(10 ~ 19) V		
		(10 ~ 20) Hz	2.7×10^{-4}	
		(20 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 20) kHz	6.3×10^{-5}	
		(20 ~ 50) kHz	8.9×10^{-5}	
		(50 ~ 100) kHz	1.2×10^{-4}	
		(100 ~ 200) kHz	3.3×10^{-4}	
		(200 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	1.7×10^{-3}	
		(19 ~ 100) V		
		(20 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 20) kHz	7.2×10^{-5}	
		(20 ~ 50) kHz	1.0×10^{-4}	
		(50 ~ 100) kHz	1.9×10^{-4}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Analogue/digital multimeters	40419			Meter calibrator,
AC Voltage		(100 ~ 190) V		Frequency generator,
		(20 ~ 40) Hz	1.1×10^{-4}	Standard resistance,
		(0.04 ~ 20) kHz	6.8×10^{-5}	DC reference standard
		(20 ~ 50) kHz	1.0×10^{-4}	/KTICC-CI-40419
		(50 ~ 100) kHz	1.8×10^{-4}	
		(190 ~ 1 000) V		
		(15 ~ 50) Hz	3.2×10^{-4}	
		(50 ~ 500) Hz	8.5×10^{-5}	
		(0.5 ~ 1) kHz	8.5×10^{-5}	
DC Current		(±)		
		(0 ~ 100) μA	1.0×10^{-4}	
		(100 ~ 190) μA	7.4×10^{-5}	
		(0.19 ~ 1) mA	4.3×10^{-5}	
		(1 ~ 10) mA	4.0×10^{-5}	
		(10 ~ 19) mA	3.8×10^{-5}	
		(19 ~ 100) mA	5.4×10^{-5}	
		(100 ~ 190) mA	5.0×10^{-5}	
		(0.19 ~ 1) A	9.4×10^{-5}	
		(1 ~ 1.9) A	8.9×10^{-5}	
		(1.9 ~ 2) A	9.0×10^{-5}	
		(2 ~ 10) A	8.6×10^{-4}	
		(10 ~ 20) A	7.0×10^{-4}	
AC Current		(0.009 ~ 1) mA		
		(10 ~ 20) Hz	3.1×10^{-4}	
		(20 ~ 40) Hz	2.1×10^{-4}	
		(0.04 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 10) kHz	1.9×10^{-3}	
		(1 ~ 1.9) mA		
		(10 ~ 20) Hz	5.5×10^{-4}	
		(20 ~ 40) Hz	1.9×10^{-4}	
		(0.04 ~ 1) kHz	1.6×10^{-4}	
		(1 ~ 10) kHz	1.5×10^{-3}	
		(1.9 ~ 10) mA		
		(10 ~ 20) Hz	3.1×10^{-4}	
		(20 ~ 40) Hz	2.1×10^{-4}	
		(0.04 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 10) kHz	1.6×10^{-3}	
		(10 ~ 19) mA		
		(10 ~ 20) Hz	2.9×10^{-4}	
		(20 ~ 40) Hz	1.9×10^{-4}	
		(0.04 ~ 1) kHz	1.6×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-3}	
		(19 ~ 100) mA		
		(10 ~ 20) Hz	3.1×10^{-4}	
		(20 ~ 40) Hz	2.2×10^{-4}	
		(0.04 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 10) kHz	1.2×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Analogue/digital multimeters	40419			Meter calibrator,
AC Current		(100 ~ 190) mA		Frequency generator,
		(10 ~ 20) Hz	2.9×10^{-4}	Standard resistance,
		(20 ~ 40) Hz	2.1×10^{-4}	DC reference standard
		(0.04 ~ 1) kHz	1.6×10^{-4}	/KTICC-CI-40419
		(1 ~ 10) kHz	1.2×10^{-3}	
		(0.19 ~ 1) A		
		(0.01 ~ 1) kHz	3.3×10^{-4}	
		(1 ~ 10) kHz	7.3×10^{-3}	
		(1 ~ 1.9) A		
		(0.01 ~ 1) kHz	3.1×10^{-4}	
		(1 ~ 10) kHz	7.4×10^{-3}	
		(1.9 ~ 2) A		
		(0.01 ~ 1) kHz	3.2×10^{-4}	
		(1 ~ 10) kHz	7.0×10^{-3}	
		(2 ~ 10) A		
		(45 ~ 100) Hz	1.4×10^{-3}	
		(0.1 ~ 1) kHz	1.8×10^{-3}	
		(10 ~ 20) A		
		(45 ~ 100) Hz	2.0×10^{-3}	
		(0.1 ~ 1) kHz	2.3×10^{-3}	
Resistance		(0 ~ 1) Ω	9.6×10^{-6}	
		(1 ~ 10) Ω	2.4×10^{-5}	
		(10 ~ 100) Ω	7.4×10^{-6}	
		(0.1 ~ 1) kΩ	1.0×10^{-5}	
		(1 ~ 10) kΩ	5.4×10^{-6}	
		(10 ~ 100) kΩ	1.5×10^{-5}	
		(0.1 ~ 1) MΩ	2.3×10^{-5}	
		(1 ~ 10) MΩ	4.6×10^{-5}	
		(10 ~ 100) MΩ	1.0×10^{-4}	
		(0.1 ~ 1) GΩ	6.2×10^{-4}	
Frequency		1 Hz ~ 10 MHz	6.1×10^{-7}	
Noise meters	40420			Meter calibrator
AC Voltage		(0.22 ~ 0.3) mV		/KTICC-CI-40420
		(0.01 ~ 20) kHz	1.5×10^{-2}	
		(20 ~ 100) kHz	1.8×10^{-2}	
		(100 ~ 500) kHz	7.0×10^{-2}	
		(0.3 ~ 1) mV		
		(10 ~ 20) Hz	5.2×10^{-3}	
		(0.02 ~ 20) kHz	5.1×10^{-3}	
		(20 ~ 100) kHz	6.3×10^{-3}	
		(100 ~ 500) kHz	2.2×10^{-2}	
		(1 ~ 3) mV		
		(0.01 ~ 20) kHz	5.0×10^{-3}	
		(20 ~ 100) kHz	5.3×10^{-3}	
		(100 ~ 500) kHz	9.7×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Noise meters	40420			Meter calibrator
AC Voltage		(3 ~ 10) mV		/KTICC-CI-40420
		(10 ~ 20) Hz	3.0×10^{-3}	
		(0.02 ~ 20) kHz	2.9×10^{-3}	
		(20 ~ 100) kHz	3.1×10^{-3}	
		(100 ~ 500) kHz	4.5×10^{-3}	
		(10 ~ 30) mV		
		(10 ~ 20) Hz	5.0×10^{-3}	
		(0.02 ~ 20) kHz	4.7×10^{-3}	
		(20 ~ 100) kHz	5.0×10^{-3}	
		(100 ~ 500) kHz	5.3×10^{-3}	
		(30 ~ 100) mV		
		(0.01 ~ 20) kHz	2.9×10^{-3}	
		(20 ~ 100) kHz	3.0×10^{-3}	
		(100 ~ 500) kHz	3.4×10^{-3}	
		(100 ~ 300) mV		
		(0.01 ~ 100) kHz	4.7×10^{-3}	
		(100 ~ 500) kHz	5.0×10^{-3}	
		(0.3 ~ 1) V		
		(0.01 ~ 100) kHz	2.9×10^{-3}	
		(100 ~ 500) kHz	3.1×10^{-3}	
		(1 ~ 3) V		
		(0.01 ~ 100) kHz	4.7×10^{-3}	
		(100 ~ 500) kHz	5.0×10^{-3}	
		(3 ~ 10) V		
		(0.01 ~ 100) kHz	2.9×10^{-3}	
		(100 ~ 500) kHz	3.1×10^{-3}	
		(10 ~ 30) V		
		(0.01 ~ 100) kHz	4.7×10^{-3}	
		(30 ~ 100) V		
		(0.01 ~ 100) kHz	2.9×10^{-3}	
		(100 ~ 300) V		
		(0.015 ~ 1) kHz	4.7×10^{-3}	
Level		(0.01 ~ 1) kHz		
		(40 ~ -40) dBm	0.036 dB	
		(-40 ~ -50) dBm	0.039 dB	
		(-50 ~ -60) dBm	0.059 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(1 ~ 20) kHz		
		(40 ~ -40) dBm	0.035 dB	
		(-40 ~ -50) dBm	0.038 dB	
		(-50 ~ -60) dBm	0.058 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(20 ~ 100) kHz		
		(40 ~ -10) dBm	0.035 dB	
		(-10 ~ -20) dBm	0.036 dB	
		(-20 ~ -40) dBm	0.037 dB	
		(-40 ~ -50) dBm	0.042 dB	
		(-50 ~ -60) dBm	0.071 dB	
		(-60 ~ -70) dBm	0.19 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Noise meters	40420			Meter calibrator
Level		(100 ~ 500) kHz		/KTICC-CI-40420
		(20 ~ -20) dBm	0.039 dB	
		(-20 ~ -30) dBm	0.041 dB	
		(-30 ~ -40) dBm	0.050 dB	
		(-40 ~ -50) dBm	0.091 dB	
		(-50 ~ -60) dBm	0.24 dB	
		(-60 ~ -70) dBm	0.71 dB	
Filter		(0.01 ~ 31.5) kHz		
(Weight, Low, High Pass etc.)		(20 ~ -63) dB	0.035 dB	
Oscilloscopes	40421	(±)		Scope calibrator,
Vertical(DC Voltage)		(0 ~ 1) mV	2.9×10^{-2}	DMM, Frequency counter,
		(1 ~ 2) mV	1.5×10^{-2}	RF signal generator
		(2 ~ 5) mV	6.0×10^{-3}	/KTICC-CI-40421
		(5 ~ 10) mV	3.2×10^{-3}	
		(10 ~ 20) mV	1.8×10^{-3}	
		(20 ~ 50) mV	8.6×10^{-4}	
		(50 ~ 100) mV	5.8×10^{-4}	
		(100 ~ 200) mV	4.4×10^{-4}	
		(200 ~ 500) mV	3.4×10^{-4}	
		(0.5 ~ 1) V	3.2×10^{-4}	
		(1 ~ 2) V	3.1×10^{-4}	
		(2 ~ 10) V	3.0×10^{-4}	
		(10 ~ 20) V	2.9×10^{-4}	
		(20 ~ 50) V	2.8×10^{-4}	
		(50 ~ 100) V	3.0×10^{-4}	
		(100 ~ 130) V	2.9×10^{-4}	
Vertical(Spuare Wave)		1 kHz		
		1 mV	6.4×10^{-3}	
		(1 ~ 2) mV	3.5×10^{-3}	
		(2 ~ 5) mV	1.7×10^{-3}	
		(5 ~ 10) mV	1.2×10^{-3}	
		(10 ~ 20) mV	8.5×10^{-4}	
		(20 ~ 50) mV	7.0×10^{-4}	
		(50 ~ 100) mV	6.4×10^{-4}	
		(100 ~ 200) mV	6.0×10^{-4}	
		(200 ~ 500) mV	5.8×10^{-4}	
		(0.5 ~ 1) V	5.9×10^{-4}	
		(1 ~ 2) V	6.0×10^{-4}	
		(2 ~ 10) V	5.8×10^{-4}	
		(10 ~ 20) V	6.0×10^{-4}	
		(20 ~ 130) V	5.8×10^{-4}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Oscilloscopes	40421			Scope calibrator,
Time(Period)		1 ns	6.1×10^{-5}	DMM, Frequency counter,
		(1 ~ 2) ns	3.1×10^{-5}	RF signal generator
		(2 ~ 5) ns	1.2×10^{-5}	/KTICC-CI-40421
		(5 ~ 10) ns	6.1×10^{-5}	
		(10 ~ 20) ns	3.1×10^{-5}	
		(20 ~ 50) ns	1.2×10^{-5}	
		(50 ~ 100) ns	6.1×10^{-5}	
		(100 ~ 200) ns	3.1×10^{-5}	
		(200 ~ 500) ns	1.2×10^{-5}	
		(0.5 ~ 1) μs	6.1×10^{-5}	
		(1 ~ 2) μs	3.1×10^{-5}	
		(2 ~ 5) μs	1.2×10^{-5}	
		(5 ~ 10) μs	6.1×10^{-5}	
		(10 ~ 20) μs	3.1×10^{-5}	
		(20 ~ 50) μs	1.2×10^{-5}	
		(50 ~ 100) μs	6.1×10^{-5}	
		(100 ~ 200) μs	3.1×10^{-5}	
		(200 ~ 500) μs	1.2×10^{-5}	
		(0.5 ~ 1) ms	6.1×10^{-5}	
		(1 ~ 2) ms	3.1×10^{-5}	
		(2 ~ 5) ms	1.2×10^{-5}	
		(5 ~ 10) ms	6.1×10^{-5}	
		(10 ~ 20) ms	3.1×10^{-5}	
		(20 ~ 50) ms	1.4×10^{-5}	
		(50 ~ 100) ms	6.1×10^{-5}	
		(100 ~ 200) ms	3.1×10^{-5}	
		(200 ~ 500) ms	1.3×10^{-5}	
		(0.5 ~ 1) s	6.1×10^{-5}	
		(1 ~ 2) s	3.1×10^{-5}	
		(2 ~ 5) s	1.3×10^{-5}	
Bandwidth		30 mV (≤2 GHz)		
		50 kHz	2.5×10^{-2}	
		(0.05 ~ 100) MHz	2.9×10^{-2}	
		(100 ~ 300) MHz	3.3×10^{-2}	
		(300 ~ 500) MHz	5.0×10^{-2}	
		(500 ~ 600) MHz	5.3×10^{-2}	
		(0.6 ~ 1) GHz	6.3×10^{-2}	
		(1 ~ 2) GHz	7.7×10^{-2}	
		30 mV (≥2 GHz)		
		(0.01 ~ 5) GHz	5.0×10^{-2}	
		(5 ~ 10) GHz	5.3×10^{-2}	
		(10 ~ 18) GHz	5.7×10^{-2}	
		600 mV (≤2 GHz)		
		50 kHz	1.5×10^{-2}	
		(0.05 ~ 100) MHz	2.0×10^{-2}	
		(100 ~ 300) MHz	2.5×10^{-2}	
		(300 ~ 500) MHz	4.2×10^{-2}	
		(500 ~ 600) MHz	4.7×10^{-2}	
		(0.6 ~ 1) GHz	5.8×10^{-2}	
		(1 ~ 2) GHz	7.0×10^{-2}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Oscilloscopes	40421			Scope calibrator,
Bandwidth		600 mV (≥2 GHz)		DMM, Frequency counter,
		(0.01 ~ 2) GHz	4.7×10^{-2}	RF signal generator
		(2 ~ 10) GHz	5.0×10^{-2}	/KTICC-CI-40421
		(10 ~ 18) GHz	5.5×10^{-2}	
		3 V (≤2 GHz)		
		50 kHz	1.5×10^{-2}	
		(0.05 ~ 100) MHz	2.0×10^{-2}	
		(100 ~ 300) MHz	2.5×10^{-2}	
		(300 ~ 500) MHz	4.0×10^{-2}	
		(500 ~ 600) MHz	4.7×10^{-2}	
		(0.6 ~ 1) GHz	6.0×10^{-2}	
		(1 ~ 2) GHz	7.0×10^{-2}	
		3 V (≥2 GHz)		
		(0.01 ~ 2) GHz	4.7×10^{-2}	
		(2 ~ 10) GHz	5.0×10^{-2}	
		(10 ~ 18) GHz	5.3×10^{-2}	
CAL Output		(0 ~ 1) mV	1.2×10^{-4}	
(DC Voltage)		(1 ~ 10) mV	6.3×10^{-5}	
		(10 ~ 100) mV	6.2×10^{-5}	
		(0.1 ~ 1) V	6.1×10^{-5}	
		(1 ~ 2) V	3.2×10^{-5}	
CAL Output		0.22 mV ~ 0.1 V		
(AC Voltage)		100 Hz	2.2×10^{-4}	
		(0.1 ~ 1) kHz	2.1×10^{-4}	
		(1 ~ 10) kHz	2.2×10^{-4}	
		(10 ~ 100) kHz	1.1×10^{-3}	
		(0.1 ~ 0.5) V		
		100 Hz	1.9×10^{-4}	
		(0.1 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 10) kHz	1.9×10^{-4}	
		(10 ~ 100) kHz	9.4×10^{-4}	
		(0.5 ~ 1) V		
		100 Hz	1.4×10^{-4}	
		(0.1 ~ 1) kHz	1.2×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-4}	
		(10 ~ 100) kHz	7.3×10^{-4}	
		(1 ~ 5) V		
		100 Hz	1.4×10^{-4}	
		(0.1 ~ 1) kHz	1.2×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-4}	
		(10 ~ 100) kHz	9.3×10^{-4}	
CAL Output				
(Frequency)		(0.1 ~ 100) kHz	6.1×10^{-6}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF phase meters	40422	(0.01 ~ 10) kHz (0 ~ 360)°	0.061°	Function generator, Frequency counter /KTICC-CI-40422
		(10 ~ 100) kHz (0 ~ 360)°	0.064°	
		(0.1 ~ 1) MHz (0 ~ 360)°	0.19°	
		(1 ~ 10) MHz (0 ~ 360)°	1.8°	
Random wave generators	40423			DMM, Frequency counter,
Frequency		1 Hz ~ 100 MHz	6.1×10^{-9}	Measuring receiver,
		(100 ~ 400) MHz	2.6×10^{-9}	Oscilloscope /KTICC-CI-40423
AC Voltage		(0.22 ~ 1) mV		
		10 Hz	1.3×10^{-3}	
		(0.01 ~ 10) kHz	1.2×10^{-3}	
		(10 ~ 100) kHz	2.1×10^{-3}	
		(0.1 ~ 1) MHz	1.0×10^{-2}	
		(1 ~ 10) mV		
		10 Hz	1.8×10^{-4}	
		(0.01 ~ 10) kHz	1.6×10^{-4}	
		(10 ~ 50) kHz	2.2×10^{-4}	
		(50 ~ 100) kHz	2.7×10^{-4}	
		(0.1 ~ 1) MHz	2.7×10^{-3}	
		(10 ~ 100) mV		
		10 Hz	9.3×10^{-5}	
		(0.01 ~ 10) kHz	7.4×10^{-5}	
		(10 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.0×10^{-4}	
		(0.1 ~ 1) MHz	1.0×10^{-3}	
		(0.1 ~ 1) V		
		10 Hz	8.3×10^{-5}	
		(0.01 ~ 50) kHz	6.7×10^{-5}	
		(50 ~ 100) kHz	7.7×10^{-5}	
		(0.1 ~ 1) MHz	9.6×10^{-4}	
		(1 ~ 10) V		
		10 Hz	8.2×10^{-5}	
		(0.01 ~ 50) kHz	6.8×10^{-5}	
		(50 ~ 100) kHz	8.2×10^{-5}	
		(0.1 ~ 1) MHz	1.2×10^{-3}	
		(10 ~ 100) V		
		10 Hz	8.8×10^{-5}	
		(0.01 ~ 10) kHz	6.9×10^{-5}	
		(10 ~ 50) kHz	7.3×10^{-5}	
		(50 ~ 100) kHz	9.1×10^{-5}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Random wave generators	40423			DMM, Frequency counter,
Level		10 Hz		Measuring receiver,
		(20 ~ -40) dBm	0.008 dB	Oscilloscope
		(-40 ~ -50) dBm	0.010 dB	/KTICC-CI-40423
		(-50 ~ -60) dBm	0.49 dB	
		(10 ~ 40) Hz		
		(20 ~ -40) dBm	0.007 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.30 dB	
		(0.04 ~ 10) kHz		
		(20 ~ -40) dBm	0.007 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.21 dB	
		(0.01 ~ 10) MHz		
		(20 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.011 dB	
		(-50 ~ -60) dBm	0.14 dB	
		(10 ~ 50) MHz		
		(20 ~ -50) dBm	0.024 dB	
		(-50 ~ -60) dBm	0.14 dB	
		(50 ~ 400) MHz		
		(20 ~ -30) dBm	0.12 dB	
		(-30 ~ -60) dBm	0.14 dB	
Flatness		100 mV		
(Voltage)		10 Hz	8.7×10^{-4}	
		(0.01 ~ 100) kHz	4.5×10^{-4}	
		(0.1 ~ 1) MHz	5.1×10^{-4}	
		(1 ~ 10) MHz	8.9×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.1×10^{-3}	
		(50 ~ 400) MHz	2.6×10^{-2}	
		(0.1 ~ 1) V		
		10 Hz	8.9×10^{-4}	
		(0.01 ~ 100) kHz	4.0×10^{-4}	
		(0.1 ~ 1) MHz	5.1×10^{-4}	
		(1 ~ 10) MHz	8.9×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.0×10^{-3}	
		(50 ~ 400) MHz	2.7×10^{-2}	
		(1 ~ 3) V		
		10 Hz	9.0×10^{-4}	
		(0.01 ~ 100) kHz	4.3×10^{-4}	
		(0.1 ~ 1) MHz	5.3×10^{-4}	
		(1 ~ 10) MHz	9.0×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.0×10^{-3}	
		(50 ~ 400) MHz	2.8×10^{-2}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Random wave generators	40423			DMM, Frequency counter,
Flatness		(10 ~ -10) dBm		Measuring receiver,
(Level)		10 Hz ~ 10 MHz	0.008 dB	Oscilloscope
		(10 ~ 30) MHz	0.015 dB	/KTICC-CI-40423
		(30 ~ 50) MHz	0.023 dB	
		(50 ~ 400) MHz	0.11 dB	
DC Offset Voltage		(±)		
		(0 ~ 1) V	6.2×10^{-5}	
		(1 ~ 5) V	1.3×10^{-5}	
		(5 ~ 10) V	7.2×10^{-6}	
Attenuator		(0.04 ~ 100) kHz		
		(30 ~ -40) dB	0.054 dB	
		(-40 ~ -60) dB	0.10 dB	
		(-60 ~ -70) dB	0.20 dB	
		(-70 ~ -80) dB	0.30 dB	
		(0.1 ~ 400) MHz		
		(30 ~ -40) dB	0.061 dB	
		(-40 ~ -50) dB	0.068 dB	
		(-50 ~ -60) dB	0.072 dB	
		(-60 ~ -70) dB	0.076 dB	
		(-70 ~ -80) dB	0.081 dB	
Frequency Modulation		(0 ~ 400) kHz	2.8×10^{-2}	
Amplitude Modulation		(0 ~ 99) %	2.7×10^{-2}	
Phase		(0 ~ 360)°	0.061°	
Duty cycle		(1 ~ 99) %	0.006 1 %	
Rise/Fall Time		0.4 ns	4.8×10^{-1}	
		(0.4 ~ 1) ns	9.0×10^{-2}	
		1 ns ~ 1 ms	8.2×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Voltage/current recorders	40424	(±)		Meter calibrator
DC Voltage		(0 ~ 10) mV	4.9×10^{-5}	/KTICC-CI-40424
		(10 ~ 100) mV	1.2×10^{-5}	
		(0.1 ~ 1) V	5.9×10^{-6}	
		(1 ~ 10) V	4.0×10^{-6}	
		(10 ~ 100) V	5.9×10^{-6}	
		(100 ~ 1 000) V	7.3×10^{-6}	
AC Voltage		(0.22 ~ 100) mV		
		(20 ~ 40) Hz	1.7×10^{-4}	
		(0.04 ~ 20) kHz	1.6×10^{-4}	
		(20 ~ 50) kHz	2.8×10^{-4}	
		(50 ~ 100) kHZ	6.5×10^{-4}	
		(100 ~ 300) kHz	1.1×10^{-3}	
		(0.1 ~ 1) V		
		(20 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 20) kHz	6.8×10^{-5}	
		(20 ~ 50) kHz	9.6×10^{-5}	
		(50 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 300) kHz	5.2×10^{-4}	
		(1 ~ 10) V		
		(20 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 20) kHz	6.5×10^{-5}	
		(20 ~ 50) kHz	1.0×10^{-4}	
		(50 ~ 100) kHz	1.3×10^{-4}	
		(100 ~ 200) kHz	3.5×10^{-4}	
		(200 ~ 300) kHz	3.6×10^{-4}	
		(10 ~ 100) V		
		(20 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 20) kHz	7.2×10^{-5}	
		(20 ~ 50) kHz	1.0×10^{-4}	
		(50 ~ 100) kHz	1.9×10^{-4}	
		(100 ~ 1 000) V		
		(15 ~ 50) Hz	3.2×10^{-4}	
		(0.5 ~ 1) kHz	8.5×10^{-5}	
DC Current		(±)		
		(0 ~ 100) μA	1.0×10^{-4}	
		(0.1 ~ 1) mA	4.3×10^{-5}	
		(1 ~ 10) mA	4.0×10^{-5}	
		(10 ~ 100) mA	5.4×10^{-5}	
		(0.1 ~ 1) A	9.4×10^{-5}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Voltage/current recorders	40424			Meter calibrator
AC Current		(0.009 ~ 1) mA		/KTICC-CI-40424
		(20 ~ 40) Hz	2.1×10^{-4}	
		(0.04 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 10) kHz	1.9×10^{-3}	
		(1 ~ 10) mA		
		(20 ~ 40) Hz	2.1×10^{-4}	
		(0.04 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 10) kHz	1.6×10^{-3}	
		(10 ~ 100) mA		
		(20 ~ 40) Hz	2.2×10^{-4}	
		(0.04 ~ 1) kHz	1.7×10^{-4}	
		(1 ~ 10) kHz	1.2×10^{-3}	
		(0.1 ~ 1) A		
		(0.02 ~ 1) kHz	3.3×10^{-4}	
		(1 ~ 10) kHz	7.3×10^{-3}	
Resistance		(0 ~ 1) Ω	9.6×10^{-6}	
		(1 ~ 10) Ω	2.4×10^{-5}	
		(10 ~ 100) Ω	7.4×10^{-6}	
		(0.1 ~ 1) kΩ	1.0×10^{-5}	
		(1 ~ 10) kΩ	5.4×10^{-6}	
		(10 ~ 100) kΩ	1.5×10^{-5}	
		(0.1 ~ 1) MΩ	2.3×10^{-5}	
		(1 ~ 10) MΩ	4.6×10^{-5}	
		(10 ~ 100) MΩ	1.0×10^{-4}	
Frequency		(0.001 ~ 100) kHz	6.1×10^{-7}	
Relay test sets	40425	(±)		DMM, Current shunt,
DC Voltage		(0 ~ 100) mV	1.1×10^{-5}	Function generator,
		(100 ~ 190) mV	9.5×10^{-6}	Oscilloscope
		(0.19 ~ 1) V	7.2×10^{-6}	/KTICC-CI-40425
		(1 ~ 1.9) V	4.8×10^{-6}	
		(1.9 ~ 10) V	7.2×10^{-6}	
		(10 ~ 19) V	4.8×10^{-6}	
		(19 ~ 100) V	8.6×10^{-6}	
		(100 ~ 190) V	6.8×10^{-6}	
		(190 ~ 1 000) V	8.6×10^{-6}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Relay test sets	40425	(±)		DMM, Current shunt,
DC Current		(0 ~ 1) mA	8.9×10^{-6}	Function generator,
		(1 ~ 1.9) mA	7.4×10^{-6}	Oscilloscope
		(1.9 ~ 10) mA	1.0×10^{-5}	/KTICC-CI-40425
		(10 ~ 19) mA	8.9×10^{-6}	
		(19 ~ 100) mA	1.4×10^{-5}	
		(100 ~ 190) mA	1.3×10^{-5}	
		(0.19 ~ 1) A	5.9×10^{-5}	
		(1 ~ 1.9) A	5.8×10^{-5}	
		(1.9 ~ 10) A	8.9×10^{-5}	
		(10 ~ 30) A	1.2×10^{-4}	
		(30 ~ 50) A	2.4×10^{-4}	
		(50 ~ 100) A	5.8×10^{-4}	
AC Voltage		(0.04 ~ 1) kHz		
		(0.22 ~ 190) mV	4.0×10^{-5}	
		(0.19 ~ 1) V	2.3×10^{-5}	
		(1 ~ 1.9) V	2.2×10^{-5}	
		(1.9 ~ 19) V	2.2×10^{-5}	
		(19 ~ 190) V	2.6×10^{-5}	
		(190 ~ 1 000) V	2.9×10^{-5}	
AC Current		(0.04 ~ 1) kHz		
		(0.009 ~ 1) mA	4.4×10^{-4}	
		(1 ~ 1.9) mA	3.6×10^{-4}	
		(1.9 ~ 10) mA	4.4×10^{-4}	
		(10 ~ 19) mA	3.6×10^{-4}	
		(19 ~ 100) mA	4.4×10^{-4}	
		(100 ~ 190) mA	3.6×10^{-4}	
		(0.19 ~ 1) A	8.7×10^{-4}	
		(1 ~ 1.9) A	8.9×10^{-4}	
		(1.9 ~ 10) A	1.1×10^{-3}	
		(10 ~ 100) A	1.2×10^{-3}	
Output Time Interval		(0 ~ 100) s	6.1×10^{-4}	
Input Time Interval		(0 ~ 100) s	6.1×10^{-4}	
LF signal generators	40426			DMM, Frequency counter,
Frequency		1 Hz ~ 10 MHz	6.1×10^{-7}	Audio analyzer
				/KTICC-CI-40426
AC Voltage		(0.22 ~ 1) mV		
		(0.04 ~ 10) kHz	1.2×10^{-3}	
		(10 ~ 100) kHz	2.1×10^{-3}	
		(0.1 ~ 1) MHz	9.7×10^{-3}	
		(1 ~ 10) mV		
		40 Hz	1.6×10^{-4}	
		(0.04 ~ 10) kHz	1.5×10^{-4}	
		(10 ~ 50) kHz	2.2×10^{-4}	
		(0.05 ~ 1) MHz	2.7×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF signal generators	40426			DMM, Frequency counter,
AC Voltage		(10 ~ 100) mV		Audio analyzer
		40 Hz	7.4×10^{-5}	/KTICC-CI-40426
		(0.04 ~ 10) kHz	7.2×10^{-5}	
		(10 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.0×10^{-4}	
		(0.1 ~ 1) MHz	1.0×10^{-3}	
		(0.1 ~ 1) V		
		40 Hz	6.7×10^{-5}	
		(0.04 ~ 50) kHz	6.7×10^{-5}	
		(50 ~ 100) kHz	7.7×10^{-5}	
		(0.1 ~ 1) MHz	9.6×10^{-4}	
		(1 ~ 10) V		
		40 Hz	6.8×10^{-5}	
		(0.04 ~ 50) kHz	6.7×10^{-5}	
		(50 ~ 100) kHz	8.2×10^{-5}	
		(0.1 ~ 1) MHz	1.2×10^{-3}	
		(10 ~ 100) V		
		40 Hz	6.9×10^{-5}	
		(0.04 ~ 10) kHz	6.7×10^{-5}	
		(10 ~ 50) kHz	7.3×10^{-5}	
		(50 ~ 100) kHz	9.1×10^{-5}	
Level		40 Hz		
		(20 ~ -20) dBm	0.10 dB	
		(-20 ~ -40) dBm	0.20 dB	
		(-40 ~ -60) dBm	0.30 dB	
		(0.04 ~ 10) kHz		
		(20 ~ -20) dBm	0.051 dB	
		(-20 ~ -40) dBm	0.10 dB	
		(-40 ~ -60) dBm	0.20 dB	
		(10 ~ 100) kHz		
		(20 ~ 0) dBm	0.051 dB	
		(0 ~ -20) dBm	0.054 dB	
		(-20 ~ -40) dBm	0.10 dB	
		(-40 ~ -60) dBm	0.21 dB	
		(0.1 ~ 1) MHz		
		(20 ~ -20) dBm	0.076 dB	
		(-20 ~ -40) dBm	0.20 dB	
		(-40 ~ -50) dBm	0.31 dB	
		(-50 ~ -60) dBm	0.38 dB	
Flatness (Voltage)		(0 ~ 100) mV		
		(0.04 ~ 100) kHz	7.7×10^{-5}	
		(0.1 ~ 1) MHz	1.0×10^{-3}	
		(0.1 ~ 10) V		
		(0.04 ~ 100) kHz	8.2×10^{-5}	
		(0.1 ~ 1) MHz	1.2×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF signal generators	40426			DMM, Frequency counter,
Flatness		0 dB		Audio analyzer
(Level)		40 Hz	0.10 dB	/KTICC-CI-40426
		(0.04 ~ 100) kHz	0.051 dB	
		(0.1 ~ 1) MHz	0.073 dB	
Attenuator		(0.04 ~ 100) kHz		
		(30 ~ -40) dB	0.054 dB	
		(-40 ~ -60) dB	0.10 dB	
		(-60 ~ -70) dB	0.20 dB	
		(-70 ~ -80) dB	0.30 dB	
		(0.1 ~ 1) MHz		
		(30 ~ -40) dB	0.076 dB	
		(-40 ~ -60) dB	0.20 dB	
		(-60 ~ -70) dB	0.31 dB	
		(-70 ~ -80) dB	0.46 dB	
DC Offset		(±)		
		(0 ~ 1) V	6.2×10^{-5}	
		(1 ~ 5) V	1.3×10^{-5}	
		(5 ~ 10) V	7.2×10^{-6}	
LF spectrum analyzers	40427			Function generator
Frequency		10 Hz ~ 100 MHz	6.1×10^{-8}	RF signal generator,
Referance Frequency		10 MHz	6.1×10^{-9}	Measuring receiver,
				Frequency counter
Amplitude		40 Hz ~ 100 MHz		/KTICC-CI-40427
		(0 ~ -50) dB	0.18 dB	
		(-50 ~ -60) dB	0.20 dB	
		(-60 ~ -70) dB	0.22 dB	
		(-70 ~ -80) dB	0.24 dB	
Display Scale		40 Hz ~ 100 MHz		
		(0 ~ -50) dB	0.18 dB	
		(-50 ~ -60) dB	0.20 dB	
		(-60 ~ -70) dB	0.22 dB	
		(-70 ~ -80) dB	0.24 dB	
Frequency Response		(10 ~ -10) dBm		
		40 Hz ~ 1 MHz	0.18 dB	
		(1 ~ 100) MHz	0.20 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
LF spectrum analyzers	40427			Function generator
Frequency Span		8 Hz	1.1×10^{-4}	RF signal generator,
		(8 ~ 16) Hz	5.3×10^{-4}	Measuring receiver,
		(16 ~ 40) Hz	2.1×10^{-4}	Frequency counter
		(40 ~ 80) Hz	1.1×10^{-4}	/KTICC-CI-40427
		(80 ~ 160) Hz	5.3×10^{-4}	
		(160 ~ 400) Hz	2.1×10^{-4}	
		(0.4 ~ 0.8) kHz	1.1×10^{-4}	
		(0.8 ~ 1.6) kHz	5.3×10^{-4}	
		(1.6 ~ 4) kHz	2.1×10^{-4}	
		(4 ~ 8) kHz	1.1×10^{-4}	
		(8 ~ 16) kHz	5.3×10^{-4}	
		(16 ~ 40) kHz	2.1×10^{-4}	
		(40 ~ 80) kHz	1.1×10^{-4}	
		(80 ~ 160) kHz	5.3×10^{-4}	
		(160 ~ 400) kHz	2.1×10^{-4}	
		(0.4 ~ 0.8) MHz	1.1×10^{-4}	
		(0.8 ~ 1.6) MHz	5.3×10^{-4}	
		(1.6 ~ 4) MHz	2.1×10^{-4}	
		(4 ~ 8) MHz	1.1×10^{-4}	
		(8 ~ 16) MHz	5.3×10^{-4}	
Resolution Bandwidth		3 Hz	2.8×10^{-4}	
		(3 ~ 10) Hz	8.4×10^{-4}	
		(10 ~ 30) Hz	2.8×10^{-4}	
		(30 ~ 100) Hz	8.4×10^{-4}	
		(100 ~ 300) Hz	2.8×10^{-4}	
		(0.3 ~ 1) kHz	8.4×10^{-4}	
		(1 ~ 3) kHz	2.8×10^{-4}	
		(3 ~ 10) kHz	8.4×10^{-4}	
		(10 ~ 30) kHz	2.8×10^{-4}	
Output Level		(0.04 ~ 100) kHz		
		(10 ~ -20) dBm	0.059 dB	
		(-20 ~ -30) dBm	0.10 dB	
		(0.1 ~ 100) MHz		
		(10 ~ -30) dBm	0.11 dB	
Output Frequency		10 Hz ~ 100 MHz	6.1×10^{-9}	
Sweep generators	40429			DMM, Frequency counter,
Frequency		1 Hz ~ 100 MHz	6.1×10^{-9}	Measuring receiver,
		(100 ~ 400) MHz	2.6×10^{-9}	Oscilloscope
				/KTICC-CI-40429
AC Voltage		(0.22 ~ 1) mV		
		10 Hz	1.3×10^{-3}	
		(0.01 ~ 10) kHz	1.2×10^{-3}	
		(10 ~ 100) kHz	2.1×10^{-3}	
		(0.1 ~ 1) MHz	1.0×10^{-2}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Sweep generators	40429			DMM, Frequency counter,
AC Voltage		(1 ~ 10) mV		Measuring receiver,
		10 Hz	1.8×10^{-4}	Oscilloscope
		(0.01 ~ 10) kHz	1.6×10^{-4}	/KTICC-CI-40429
		(10 ~ 50) kHz	2.2×10^{-4}	
		(50 ~ 100) kHz	2.7×10^{-4}	
		(0.1 ~ 1) MHz	2.7×10^{-3}	
		(10 ~ 100) mV		
		10 Hz	9.3×10^{-5}	
		(0.01 ~ 10) kHz	7.4×10^{-5}	
		(10 ~ 50) kHz	7.7×10^{-5}	
		(50 ~ 100) kHz	1.0×10^{-4}	
		(0.1 ~ 1) MHz	1.0×10^{-3}	
		(0.1 ~ 1) V		
		10 Hz	8.3×10^{-5}	
		(0.01 ~ 50) kHz	6.7×10^{-5}	
		(50 ~ 100) kHz	7.7×10^{-5}	
		(0.1 ~ 1) MHz	9.6×10^{-4}	
		(1~ 10) V		
		10 Hz	8.2×10^{-5}	
		(0.01 ~ 50) kHz	6.8×10^{-5}	
		(50 ~ 100) kHz	8.2×10^{-5}	
		(0.1 ~ 1) MHz	1.2×10^{-3}	
		(10 ~ 100) V		
		10 Hz	8.8×10^{-5}	
		(0.01 ~ 10) kHz	6.9×10^{-5}	
		(10 ~ 50) kHz	7.3×10^{-5}	
		(50 ~ 100) kHz	9.1×10^{-5}	
Level		10 Hz		
		(20 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.49 dB	
		(10 ~ 40) Hz		
		(20 ~ -40) dBm	0.007 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.30 dB	
		(0.04 ~ 10) kHz		
		(20 ~ -40) dBm	0.007 dB	
		(-40 ~ -50) dBm	0.010 dB	
		(-50 ~ -60) dBm	0.21 dB	
		(0.01 ~ 10) MHz		
		(20 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.011 dB	
		(-50 ~ -60) dBm	0.14 dB	
		(10 ~ 50) MHz		
		(20 ~ -50) dBm	0.024 dB	
		(-50 ~ -60) dBm	0.14 dB	
		(50 ~ 400) MHz		
		(20 ~ -30) dBm	0.12 dB	
		(-30 ~ -60) dBm	0.14 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Sweep generators	40429			DMM, Frequency counter,
Flatness		100 mV		Measuring receiver,
(Voltage)		10 Hz	8.7×10^{-4}	Oscilloscope
		(0.01 ~ 100) kHz	4.5×10^{-4}	/KTICC-CI-40429
		(0.1 ~ 1) MHz	5.1×10^{-4}	
		(1 ~ 10) MHz	8.9×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.1×10^{-3}	
		(50 ~ 400) MHz	2.6×10^{-2}	
		(0.1 ~ 1) V		
		10 Hz	8.9×10^{-4}	
		(0.01 ~ 100) kHz	4.0×10^{-4}	
		(0.1 ~ 1) MHz	5.1×10^{-4}	
		(1 ~ 10) MHz	8.9×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.0×10^{-3}	
		(50 ~ 400) MHz	2.7×10^{-2}	
		(1 ~ 3) V		
		10 Hz	9.0×10^{-4}	
		(0.01 ~ 100) kHz	4.3×10^{-4}	
		(0.1 ~ 1) MHz	5.3×10^{-4}	
		(1 ~ 10) MHz	9.0×10^{-4}	
		(10 ~ 30) MHz	3.0×10^{-3}	
		(30 ~ 50) MHz	5.0×10^{-3}	
		(50 ~ 400) MHz	2.8×10^{-2}	
Flatness		(10 ~ -10) dBm		
(Level)		10 Hz ~ 10 MHz	0.008 dB	
		(10 ~ 30) MHz	0.015 dB	
		(30 ~ 50) MHz	0.023 dB	
		(50 ~ 400) MHz	0.11 dB	
DC Offset Voltage		(±)		
		(0 ~ 1) V	6.2×10^{-5}	
		(1 ~ 5) V	1.3×10^{-5}	
		(5 ~ 10) V	7.2×10^{-6}	
Attenuator		(0.04 ~ 100) kHz		
		(30 ~ -40) dB	0.054 dB	
		(-40 ~ -60) dB	0.10 dB	
		(-60 ~ -70) dB	0.20 dB	
		(-70 ~ -80) dB	0.30 dB	
		(0.1 ~ 400) MHz		
		(30 ~ -40) dB	0.061 dB	
		(-40 ~ -50) dB	0.068 dB	
		(-50 ~ -60) dB	0.072 dB	
		(-60 ~ -70) dB	0.076 dB	
		(-70 ~ -80) dB	0.081 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Sweep generators	40429			DMM, Frequency counter,
Frequency Modulation		(0 ~ 400) kHz	2.8×10^{-2}	Measuring receiver,
Amplitude Modulation		(0 ~ 99) %	2.7×10^{-2}	Oscilloscope
Phase		(0 ~ 360)°	0.061°	/KTICC-CI-40429
Duty cycle		(1 ~ 99) %	0.006 1 %	
Rise/Fall Time		0.4 ns	4.8×10^{-1}	
		(0.4 ~ 1) ns	9.0×10^{-2}	
		1 ns ~ 1 ms	8.2×10^{-3}	
Transistor curve tracers	40432	(±)		Meter calibrator, DMM
Input DC Voltage		(0 ~ 500) V	1.2×10^{-4}	/KTICC-CI-40432
		(500 ~ 1 000) V	6.1×10^{-4}	
Input DC Current		(±)		
		(0 ~ 5) mA	1.3×10^{-4}	
		(5 ~ 50) mA	1.4×10^{-4}	
		(50 ~ 500) mA	1.6×10^{-4}	
		(0.5 ~ 1) A	6.2×10^{-4}	
		(1 ~ 2) A	3.2×10^{-4}	
Output DC Voltage		(±)		
		(0 ~ 10) mV	6.3×10^{-5}	
		(10 ~ 100) mV	6.2×10^{-5}	
		(0.1 ~ 1 000) V	6.1×10^{-5}	
Output DC Current		(±)		
		(0 ~ 10) mA	6.5×10^{-5}	
		(10 ~ 100) mA	7.8×10^{-5}	
		(0.1 ~ 1) A	2.0×10^{-4}	
		(1 ~ 2) A	6.0×10^{-4}	
Waveform analyzers	40433			Meter calibrator,
Frequency		(0.01 ~ 100) kHz	6.1×10^{-6}	Frequency counter,
		(100 ~ 200) kHz	3.1×10^{-6}	Audio analyzer
				/KTICC-CI-40433
AC Voltge		(0.22 ~ 1) mV		
		10 Hz	4.4×10^{-3}	
		(10 ~ 40) Hz	5.0×10^{-3}	
		(0.04 ~ 10) kHz	4.2×10^{-3}	
		(10 ~ 100) kHz	5.6×10^{-3}	
		(100 ~ 200) kHz	1.1×10^{-2}	
		(1 ~ 10) mV		
		10 Hz	6.6×10^{-4}	
		(0.01 ~ 10) kHz	5.1×10^{-4}	
		(10 ~ 100) kHz	1.0×10^{-3}	
		(100 ~ 200) kHz	2.1×10^{-3}	
		(10 ~ 100) mV		
		10 Hz	3.8×10^{-4}	
		(0.01 ~ 10) kHz	1.8×10^{-4}	
		(10 ~ 100) kHz	6.5×10^{-4}	
		(100 ~ 200) kHz	1.1×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Waveform analyzers	40433			Meter calibrator,
AC Voltge		(0.01 ~ 1) V		Frequency counter,
		10 Hz	3.0×10^{-4}	Audio analyzer
		(10 ~ 40) Hz	1.3×10^{-4}	/KTICC-CI-40433
		(0.04 ~ 10) kHz	9.1×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 200) kHz	5.2×10^{-4}	
		(1 ~ 10) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	8.9×10^{-5}	
		(10 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 200) kHz	3.6×10^{-4}	
		(10 ~ 100) V		
		10 Hz	3.0×10^{-4}	
		(10 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	9.4×10^{-5}	
		(10 ~ 100) kHz	2.0×10^{-4}	
		(100 ~ 200) V		
		10 Hz	2.7×10^{-4}	
		(10 ~ 40) Hz	1.1×10^{-4}	
		(0.04 ~ 10) kHz	7.5×10^{-5}	
		(10 ~ 100) kHz	1.9×10^{-4}	
		(200 ~ 300) V		
		50 Hz	3.7×10^{-4}	
		(50 ~ 1) kHz	9.3×10^{-5}	
DC Voltage		(±)		
		(0 ~ 100) mV	6.2×10^{-5}	
		(0.1 ~ 100) V	6.1×10^{-5}	
		(100 ~ 300) V	2.2×10^{-5}	
Level		10 Hz		
		(40 ~ -40) dBm	0.009 dB	
		(-40 ~ -50) dBm	0.018 dB	
		(-50 ~ -60) dBm	0.048 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(0.01 ~ 1) kHz		
		(50 ~ -40) dBm	0.009 dB	
		(-40 ~ -50) dBm	0.016 dB	
		(-50 ~ -60) dBm	0.047 dB	
		(-60 ~ -70) dBm	0.14 dB	
		(1 ~ 10) kHz		
		(40 ~ -40) dBm	0.008 dB	
		(-40 ~ -50) dBm	0.016 dB	
		(-50 ~ -60) dBm	0.047 dB	
		(-60 ~ -70) dBm	0.14 dB	
		(10 ~ 100) kHz		
		(40 ~ -20) dBm	0.009 dB	
		(-20 ~ -40) dBm	0.012 dB	
		(-40 ~ -50) dBm	0.023 dB	
		(-50 ~ -60) dBm	0.062 dB	
		(-60 ~ -70) dBm	0.18 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Waveform analyzers	40433			Meter calibrator,
Level		(100 ~ 200) kHz		Frequency counter,
		(20 ~ -10) dBm	0.009 dB	Audio analyzer
		(-10 ~ -20) dBm	0.012 dB	/KTICC-CI-40433
		(-20 ~ -30) dBm	0.017 dB	
		(-30 ~ -40) dBm	0.022 dB	
		(-40 ~ -50) dBm	0.046 dB	
		(-50 ~ -60) dBm	0.12 dB	
		(-60 ~ -70) dBm	0.36 dB	
Frequency Respones		100 mV		
(Voltage)		(10 ~ 20) Hz	3.8×10^{-4}	
		(20 ~ 40) Hz	1.8×10^{-4}	
		(0.04 ~ 10) kHz	1.7×10^{-4}	
		(10 ~ 100) kHz	6.5×10^{-4}	
		(100 ~ 200) kHz	1.1×10^{-3}	
		(0.1 ~ 1) V		
		(10 ~ 20) Hz	3.0×10^{-4}	
		(20 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	9.1×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 200) kHz	5.2×10^{-4}	
		(1 ~ 10) V		
		(10 ~ 20) Hz	3.0×10^{-4}	
		(20 ~ 40) Hz	1.3×10^{-4}	
		(0.04 ~ 10) kHz	8.9×10^{-5}	
		(10 ~ 100) kHz	1.5×10^{-4}	
		(100 ~ 200) kHz	3.6×10^{-4}	
Frequency Respones		(10 ~ -10) dBm		
(Level)		(10 ~ 40) Hz	0.008 dB	
		(0.04 ~ 100) kHz	0.007 dB	
		(100 ~ 200) kHz	0.010 dB	
Distortion		(0.02 ~ 100) kHz		
		(0 ~ -60) dB	0.19 dB	
		(-60 ~ -80) dB	0.50 dB	
Filter(Frequency)		(0.01 ~ 100) kHz	6.1×10^{-6}	
(Weight, Low, High Pass etc.)				
Filter(Level)		(0.01 ~ 100) kHz		
(Weight, Low, High Pass etc.)		(20 ~ -63) dB	0.007 dB	
AC/DC high voltage generators	40434	(±)		High voltage test equipment,
DC Voltage		(0 ~ 100) kV	1.2×10^{-3}	High voltage meter, DMM
				/KTICC-CI-40434
AC Voltage		(50 ~ 60) Hz		
		(0.001 ~ 100) kV	1.5×10^{-2}	
		(100 ~ 170) kV	1.6×10^{-2}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
AC/DC high voltage probes	40435	(±)		Meter calibrator, DMM,
DC Voltage		(1 ~ 10 000) : 1		High voltage test equipment,
		(0 ~ 1) kV	6.2×10^{-5}	Oscilloscope,
		(1 ~ 50) kV	1.2×10^{-3}	High voltage power supply
				/ KTICC-CI-4035
AC Voltage		(1 ~ 10 000) : 1		
		(0.04 ~ 1) kHz		
		(0.22 ~ 100) mV	3.8×10^{-4}	
		(0.1 ~ 100) V	2.3×10^{-4}	
		(0.1 ~ 1) kV	7.4×10^{-4}	
		60 Hz		
		(1 ~ 10) kV	1.5×10^{-2}	
Bandwidth		(5 ~ 600) mV		
		50 kHz	3.1×10^{-2}	
		(0.05 ~ 100) MHz	3.4×10^{-2}	
		(100 ~ 300) MHz	5.2×10^{-2}	
		(300 ~ 500) MHz	6.2×10^{-2}	
		(0.5 ~ 1) GHz	8.5×10^{-2}	
		(0.6 ~ 3) V		
		50 kHz	5.8×10^{-2}	
		(0.05 ~ 100) MHz	6.3×10^{-2}	
		(100 ~ 300) MHz	7.8×10^{-2}	
		(300 ~ 500) MHz	9.5×10^{-2}	
		(0.5 ~ 1) GHz	1.2×10^{-1}	
Logic analyzers	40436			Scope calibrator
Vertical(Spuare Wave)		1 kHz		Meter calibrator
		1 mV	6.4×10^{-3}	/KTICC-CI-40436
		(1 ~ 2) mV	3.5×10^{-3}	
		(2 ~ 5) mV	1.7×10^{-3}	
		(5 ~ 10) mV	1.2×10^{-3}	
		(10 ~ 20) mV	8.5×10^{-4}	
		(20 ~ 50) mV	7.0×10^{-4}	
		(50 ~ 100) mV	6.4×10^{-4}	
		(100 ~ 200) mV	6.0×10^{-4}	
		(200 ~ 500) mV	5.8×10^{-4}	
		(0.5 ~ 1) V	5.9×10^{-4}	
		(1 ~ 2) V	6.0×10^{-4}	
		(2 ~ 10) V	5.8×10^{-4}	
		(10 ~ 20) V	6.0×10^{-4}	
		(20 ~ 130) V	5.8×10^{-4}	
Bandwidth		600 mV		
		50 kHz	1.5×10^{-2}	
		(0.05 ~ 100) MHz	2.0×10^{-2}	
		(100 ~ 300) MHz	2.5×10^{-2}	
		(300 ~ 500) MHz	4.2×10^{-2}	
		(0.5 ~ 1) GHz	5.8×10^{-2}	
		(1 ~ 2) GHz	7.0×10^{-2}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Logic analyzers	40436			Scope calibrator
Time(Period)		1 ns	6.1×10^{-5}	Meter calibrator
		(1 ~ 2) ns	3.1×10^{-5}	/KTICC-CI-40436
		(2 ~ 5) ns	1.2×10^{-5}	
		(5 ~ 10) ns	6.1×10^{-5}	
		(10 ~ 20) ns	3.1×10^{-5}	
		(20 ~ 50) ns	1.2×10^{-5}	
		(50 ~ 100) ns	6.1×10^{-5}	
		(100 ~ 200) ns	3.1×10^{-5}	
		(200 ~ 500) ns	1.2×10^{-5}	
		(0.5 ~ 1) μs	6.1×10^{-5}	
		(1 ~ 2) μs	3.1×10^{-5}	
		(2 ~ 5) μs	1.2×10^{-5}	
		(5 ~ 10) μs	6.1×10^{-5}	
		(10 ~ 20) μs	3.1×10^{-5}	
		(20 ~ 50) μs	1.2×10^{-5}	
		(50 ~ 100) μs	6.1×10^{-5}	
		(100 ~ 200) μs	3.1×10^{-5}	
		(200 ~ 500) μs	1.2×10^{-5}	
		(0.5 ~ 1) ms	6.1×10^{-5}	
		(1 ~ 2) ms	3.1×10^{-5}	
		(2 ~ 5) ms	1.2×10^{-5}	
		(5 ~ 10) ms	6.1×10^{-5}	
		(10 ~ 20) ms	3.1×10^{-5}	
		(20 ~ 50) ms	1.4×10^{-5}	
		(50 ~ 100) ms	6.1×10^{-5}	
		(100 ~ 200) ms	3.1×10^{-5}	
		(200 ~ 500) ms	1.3×10^{-5}	
		(0.5 ~ 1) s	6.1×10^{-5}	
		(1 ~ 2) s	3.1×10^{-5}	
		(2 ~ 5) s	1.3×10^{-5}	
Threshold Voltage		(-10 ~ 10) V	6.1×10^{-4}	
Telephone testers	40437	(±)		DMM, DTMF generator,
Line Output Voltage		(0 ~ 10) V	6.1×10^{-5}	Frequency counter
		(10 ~ 16) V	3.9×10^{-5}	/KTICC-CI-40437
		(16 ~ 35) V	1.9×10^{-5}	
		(35 ~ 48) V	1.4×10^{-5}	
		(45 ~ 75) V	1.0×10^{-5}	
		(75 ~ 100) V	6.1×10^{-5}	
Loop Current &		(0 ~ 10) mA	6.5×10^{-5}	
Artificial Line		(10 ~ 20) mA	8.5×10^{-5}	
		(20 ~ 40) mA	6.0×10^{-5}	
		(40 ~ 60) mA	5.2×10^{-5}	
		(60 ~ 80) mA	4.9×10^{-5}	
		(80 ~ 100) mA	7.7×10^{-5}	
		(100 ~ 120) mA	6.8×10^{-5}	
		(120 ~ 150) mA	6.0×10^{-5}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Telephone testers	40437			DMM, DTMF generator,
Bell Output Voltage		(40 ~ 100) Hz		Frequency counter
		(1 ~ 10) V	1.4×10^{-4}	/KTICC-CI-40437
		(10 ~ 20) V	2.0×10^{-4}	
		(20 ~ 40) V	1.5×10^{-4}	
		(40 ~ 60) V	1.4×10^{-4}	
		(60 ~ 80) V	1.3×10^{-4}	
		(80 ~ 100) V	1.4×10^{-4}	
		(100 ~ 150) V	1.3×10^{-4}	
Bell Output Frequency		10 Hz	6.1×10^{-5}	
		(10 ~ 20) Hz	3.1×10^{-5}	
		(20 ~ 40) Hz	1.6×10^{-5}	
		(40 ~ 60) Hz	1.2×10^{-5}	
		(60 ~ 80) Hz	9.6×10^{-6}	
		(80 ~ 100) Hz	6.1×10^{-5}	
Receiving Frequency		400 Hz	1.6×10^{-5}	
DTMF Level		(697 ~ 1 663) Hz		
		(0 ~ -20) dBm	0.12 dB	
		(-20 ~ -30) dBm	0.15 dB	
DTMF Frequency		697 Hz	2.9×10^{-4}	
		(697 ~ 941) Hz	2.7×10^{-4}	
		(941 ~ 1 336) Hz	2.5×10^{-4}	
		(1 336 ~ 1 663) Hz	2.4×10^{-4}	
Output Frequency		(10 ~ 1 000) Hz	6.1×10^{-7}	
		(1 000 ~ 2 000) Hz	3.1×10^{-7}	
		(2 000 ~ 3 000) Hz	2.0×10^{-7}	
Output Level		(0.04 ~ 3) kHz		
		(0 ~ -30) dBm	0.051 dB	
		(-30 ~ -40) dBm	0.10 dB	
Video signal analyzers	40438			Video signal analyzer
Frequency		10 Hz ~ 1 GHz	3.7×10^{-10}	Video signal generator
				/KTICC-CI-40438
Squarewave Amplitude		NTSC, PAL		
		(1 ~ 10) mV	1.4×10^{-2}	
		(10 ~ 100) mV	1.9×10^{-3}	
		(100 ~ 200) mV	1.2×10^{-3}	
		(200 ~ 300) mV	1.0×10^{-3}	
		(300 ~ 400) mV	8.9×10^{-4}	
		(400 ~ 500) mV	8.8×10^{-4}	
		(500 ~ 600) mV	8.2×10^{-4}	
		(600 ~ 700) mV	7.8×10^{-4}	
		(700 ~ 800) mV	7.6×10^{-4}	
		(800 ~ 900) mV	7.3×10^{-4}	
		(900 ~ 999.9) mV	7.2×10^{-4}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Video signal analyzers	40438			Video signal analyzer
Sinewave Amplitude		(5 ~ 600) mV		Video signal generator
		50 kHz	4.2×10^{-3}	/KTICC-CI-40438
		50 kHz ~ 10 MHz	8.8×10^{-3}	
Burst Frequency		(3 ~ 5) MHz	1.0 Hz	
Luminance Amplitude		NTSC, PAL		
		(1 ~ 10) mV	1.4×10^{-2}	
		(10 ~ 100) mV	1.9×10^{-3}	
		(100 ~ 200) mV	1.2×10^{-3}	
		(200 ~ 300) mV	1.0×10^{-3}	
		(300 ~ 400) mV	8.9×10^{-4}	
		(400 ~ 500) mV	8.8×10^{-4}	
		(500 ~ 600) mV	8.2×10^{-4}	
		(600 ~ 700) mV	7.8×10^{-4}	
		(700 ~ 800) mV	7.6×10^{-4}	
		(800 ~ 900) mV	7.3×10^{-4}	
		(900 ~ 999.9) mV	7.2×10^{-4}	
Chrominance Amplitude		NTSC, PAL		
		(1 ~ 714.3) mV	1.9×10^{-2}	
Frequency Response		(5 ~ 600) mV		
		0.05 MHz	2.4×10^{-3}	
		(0.05 ~ 20) MHz	8.1×10^{-3}	
Horizontal Frequency		10 ns	7.0×10^{-4}	
		(10 ~ 20) ns	3.5×10^{-4}	
		(20 ~ 50) ns	1.4×10^{-4}	
		(50 ~ 100) ns	7.0×10^{-4}	
		(100 ~ 200) ns	3.5×10^{-4}	
		(200 ~ 500) ns	1.4×10^{-4}	
		(0.5 ~ 1) μs	7.0×10^{-4}	
		(1 ~ 2) μs	3.5×10^{-4}	
		(2 ~ 5) μs	1.4×10^{-4}	
		(5 ~ 10) μs	7.0×10^{-4}	
		(10 ~ 20) μs	3.5×10^{-4}	
		(20 ~ 50) μs	1.4×10^{-4}	
		(50 ~ 100) μs	7.0×10^{-4}	
		(100 ~ 200) μs	3.5×10^{-4}	
		(200 ~ 500) μs	1.4×10^{-4}	
		(0.5 ~ 1) ms	7.0×10^{-4}	
Phase		NTSC, PAL		
		(0 ~ 360)°	1.3°	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF amplifiers	40601			Network Analyzer,
Gain		(0 ~ 10) dB		Calibration Kit
		(5 ~ 100) Hz	0.09 dB	/KTICC-CI-40601
		100 Hz ~ 0.3 MHz	0.06 dB	
		0.3 MHz ~ 1 GHz	0.05 dB	
		(1 ~ 2) GHz	0.06 dB	
		(2 ~ 8) GHz	0.09 dB	
		(8 ~ 18) GHz	0.12 dB	
		(18 ~ 40) GHz	0.17 dB	
		(10 ~ 20) dB		
		(5 ~ 100) Hz	0.11 dB	
		100 Hz ~ 0.3 MHz	0.08 dB	
		0.3 MHz ~ 1 GHz	0.07 dB	
		(1 ~ 2) GHz	0.08 dB	
		(2 ~ 8) GHz	0.11 dB	
		(8 ~ 18) GHz	0.14 dB	
		(18 ~ 40) GHz	0.19 dB	
		(20 ~ 30) dB		
		(5 ~ 100) Hz	0.13 dB	
		100 Hz ~ 0.3 MHz	0.09 dB	
		0.3 MHz ~ 1 GHz	0.08 dB	
		(1 ~ 2) GHz	0.10 dB	
		(2 ~ 8) GHz	0.12 dB	
		(8 ~ 18) GHz	0.16 dB	
		(18 ~ 40) GHz	0.20 dB	
		(30 ~ 40) dB		
		(5 ~ 100) Hz	0.15 dB	
		100 Hz ~ 0.3 MHz	0.11 dB	
		0.3 MHz ~ 1 GHz	0.10 dB	
		(1 ~ 2) GHz	0.11 dB	
		(2 ~ 8) GHz	0.14 dB	
		(8 ~ 18) GHz	0.18 dB	
		(18 ~ 40) GHz	0.22 dB	
		(40 ~ 50) dB		
		(5 ~ 100) Hz	0.16 dB	
		100 Hz ~ 0.3 MHz	0.14 dB	
		0.3 MHz ~ 1 GHz	0.13 dB	
		(1 ~ 2) GHz	0.12 dB	
		(2 ~ 8) GHz	0.16 dB	
		(8 ~ 18) GHz	0.19 dB	
		(18 ~ 40) GHz	0.24 dB	
		(50 ~ 60) dB		
		(5 ~ 100) Hz	0.19 dB	
		100 Hz ~ 0.3 MHz	0.18 dB	
		0.3 MHz ~ 1 GHz	0.17 dB	
		(1 ~ 2) GHz	0.25 dB	
		(2 ~ 8) GHz	0.28 dB	
		(8 ~ 18) GHz	0.31 dB	
		(18 ~ 40) GHz	0.36 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF amplifiers Gain	40601	(60 ~ 70) dB		Network Analyzer, Calibration Kit /KTICC-CI-40601
		(5 ~ 100) Hz	0.27 dB	
		100 Hz ~ 0.3 MHz	0.25 dB	
		0.3 MHz ~ 1 GHz	0.24 dB	
		(1 ~ 2) GHz	0.28 dB	
		(2 ~ 8) GHz	0.31 dB	
		(8 ~ 18) GHz	0.35 dB	
		(18 ~ 40) GHz	0.39 dB	
Coaxial attenuators Attenuation	40602	(0 ~ 10) dB		Network Analyzer Sensor Module, Measuring Receiver, Signal Generator, Calibration Kit /KTICC-CI-40602
		(5 ~ 100) Hz	0.09 dB	
		100 Hz ~ 26.5 GHz	0.06 dB	
		(26.5 ~ 40) GHz	0.18 dB	
		(10 ~ 20) dB		
		(5 ~ 100) Hz	0.12 dB	
		100 Hz ~ 0.1 MHz	0.08 dB	
		0.1 MHz ~ 26.5 GHz	0.06 dB	
		(26.5 ~ 40) GHz	0.21 dB	
		(20 ~ 30) dB		
		(5 ~ 100) Hz	0.14 dB	
		100 Hz ~ 0.1 MHz	0.09 dB	
		0.1 MHz ~ 26.5 GHz	0.06 dB	
		(26.5 ~ 40) GHz	0.28 dB	
		(30 ~ 40) dB		
		(5 ~ 100) Hz	0.20 dB	
		100 Hz ~ 0.1 MHz	0.12 dB	
		0.1 MHz ~ 26.5 GHz	0.07 dB	
		(26.5 ~ 40) GHz	0.46 dB	
		(40 ~ 50) dB		
		(5 ~ 100) Hz	0.33 dB	
		100 Hz ~ 0.1 MHz	0.17 dB	
		0.1 MHz ~ 18 GHz	0.07 dB	
		(18 ~ 26.5) GHz	0.08 dB	
		(26.5 ~ 40) GHz	0.98 dB	
		(50 ~ 60) dB		
		(5 ~ 100) Hz	0.73 dB	
		100 Hz ~ 0.1 MHz	0.27 dB	
		0.1 MHz ~ 18 GHz	0.08 dB	
		(18 ~ 26.5) GHz	0.09 dB	
		(26.5 ~ 40) GHz	2.5 dB	
		(60 ~ 70) dB		
		(5 ~ 100) Hz	1.8 dB	
		100 Hz ~ 0.1 MHz	0.55 dB	
		0.1 MHz ~ 18 GHz	0.08 dB	
		(18 ~ 26.5) GHz	0.09 dB	
		(26.5 ~ 40) GHz	5.9 dB	
		(70 ~ 80) dB		
		0.1 MHz ~ 18 GHz	0.09 dB	
		(18 ~ 26.5) GHz	0.10 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Coaxial attenuators	40602			Network Analyzer
Attenuation		(80 ~ 90) dB		Sensor Module,
		0.1 MHz ~ 18 GHz	0.09 dB	Measuring Receiver,
		(18 ~ 26.5) GHz	0.10 dB	Signal Generator,
		(90 ~ 100) dB		Calibration Kit
		0.1 MHz ~ 18 GHz	0.10 dB	/KTICC-CI-40602
		(18 ~ 26.5) GHz	0.11 dB	
		(100 ~ 110) dB		
		0.1 MHz ~ 18 GHz	0.10 dB	
		(18 ~ 26.5) GHz	0.11 dB	
		(110 ~ 120) dB		
		0.1 MHz ~ 18 GHz	0.10 dB	
		(18 ~ 26.5) GHz	0.11 dB	
BER(Bit Error Rate) testers	40604			Frequency counter,
Output Bit rate		(0.05 ~ 5) GHz	1.4×10^{-10}	Frequency standard
		(5 ~ 12.5) GHz	1.3 Hz	Signal generator
				/KTICC-CI-40604
Input Bit rate		(0.05 ~ 12.5) GHz	0.7 Hz	
Burst pulse generators	40605			Oscilloscope. Attenuator
Burst Voltage		(-4 ~ 4) kV	1.3×10^{-2}	
				/KTICC-CI-40605
Burst Duration		10 μs ~ 10 ms	3.4×10^{-3}	
		(10 ~ 15) ms	5.5×10^{-3}	
		(15 ~ 20) ms	4.1×10^{-3}	
		(20 ~ 50) ms	3.8×10^{-3}	
Burst Cycle		100 μs	3.4×10^{-3}	
		100 μs ~ 10 ms	4.8×10^{-3}	
		(10 ~ 50) ms	3.9×10^{-3}	
		(50 ~ 100) ms	3.4×10^{-3}	
		(100 ~ 300) ms	5.0×10^{-3}	
		(300 ~ 400) ms	4.6×10^{-3}	
		(400 ~ 1 000) ms	3.4×10^{-3}	
Repetition Frequency		1 kHz	3.4×10^{-3}	
		(1 ~ 5) kHz	4.8×10^{-3}	
		(5 ~ 10) kHz	3.4×10^{-3}	
		(10 ~ 50) kHz	4.8×10^{-3}	
		(50 ~ 100) kHz	3.4×10^{-3}	
Rise Time		1 ns	9.0×10^{-2}	
		(1 ~ 5) ns	7.6×10^{-3}	
		(5 ~10) ns	9.1×10^{-3}	
		(10 ~100) ns	4.2×10^{-3}	
		100 ns ~1 μs	3.3×10^{-3}	
Pulse Width		10 ns	3.6×10^{-3}	
		(10 ~ 50) ns	4.4×10^{-3}	
		(50 ~ 100) ns	4.2×10^{-3}	
		(100 ~ 150) ns	2.8×10^{-3}	
Vibration Frequency		90 kHz	1.0×10^{-3}	
		90 kHz ~ 1 MHz	1.1×10^{-3}	
		(1 ~ 10) MHz	8.8×10^{-4}	
		(10 ~ 100) MHz	1.4×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF power meter calibrators	40607			Digital multimeter
Range accuracy		100 mW	0.70 mV	/KTICC-CI-40607
Voltage		30 mW	73 μV	
		10 mW	70 μV	
		3 mW	7.3 μV	
		1 mW	7.2 μV	
		300 μW	0.88 μV	
Resistance		300 μW	75 mΩ	
		100 μW	10 mΩ	
		30 μW	7.5 mΩ	
		10 μW	1.2 mΩ	
		3 μW	0.78 mΩ	
EMC transduces; current probes, absorbing clamps, etc.	40608			Network analyzer, Calibration kit /KTICC-CI-40608
Current probes				
Transfer Impedance		(5 ~ 100) Hz	2.0 dB	
		100 Hz ~ 1 GHz	1.8 dB	
Absorbing clamps				
Insertion Loss		30 MHz ~ 1 GHz	1.8 dB	
Coaxial directional couplers /splitters	40610			Network Analyzer, Calibration Kit
Coupling Factor		(0 ~ 10) dB		/KTICC-CI-40610
		(5 ~ 100) Hz	0.09 dB	
		100 Hz ~ 0.3 MHz	0.06 dB	
		0.3 MHz ~ 1 GHz	0.05 dB	
		(1 ~ 2) GHz	0.06 dB	
		(2 ~ 8) GHz	0.09 dB	
		(8 ~ 18) GHz	0.13 dB	
		(18 ~ 40) GHz	0.18 dB	
		(10 ~ 20) dB		
		(5 ~ 100) Hz	0.12 dB	
		100 Hz ~ 0.3 MHz	0.08 dB	
		0.3 MHz ~ 1 GHz	0.07 dB	
		(1 ~ 2) GHz	0.08 dB	
		(2 ~ 8) GHz	0.11 dB	
		(8 ~ 18) GHz	0.15 dB	
		(18 ~ 40) GHz	0.21 dB	
		(20 ~ 30) dB		
		(5 ~ 100) Hz	0.14 dB	
		100 Hz ~ 0.3 MHz	0.09 dB	
		0.3 MHz ~ 1 GHz	0.08 dB	
		(1 ~ 2) GHz	0.11 dB	
		(2 ~ 8) GHz	0.14 dB	
		(8 ~ 18) GHz	0.18 dB	
		(18 ~ 40) GHz	0.28 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Coaxial directional couplers /splitters	40610			Network Analyzer, Calibration Kit
Coupling Factor		(30 ~ 40) dB		/KTICC-CI-40610
		(5 ~ 100) Hz	0.20 dB	
		100 Hz ~ 0.3 MHz	0.12 dB	
		0.3 MHz ~ 1 GHz	0.10 dB	
		(1 ~ 2) GHz	0.16 dB	
		(2 ~ 8) GHz	0.19 dB	
		(8 ~ 18) GHz	0.25 dB	
		(18 ~ 40) GHz	0.46 dB	
		(40 ~ 50) dB		
		(5 ~ 100) Hz	0.33 dB	
		100 Hz ~ 0.3 MHz	0.17 dB	
		0.3 MHz ~ 1 GHz	0.13 dB	
		(1 ~ 2) GHz	0.30 dB	
		(2 ~ 8) GHz	0.33 dB	
		(8 ~ 18) GHz	0.43 dB	
		(18 ~ 40) GHz	0.98 dB	
		(50 ~ 60) dB		
		(5 ~ 100) Hz	0.73 dB	
		100 Hz ~ 0.3 MHz	0.27 dB	
		0.3 MHz ~ 1 GHz	0.17 dB	
		(1 ~ 2) GHz	0.78 dB	
		(2 ~ 8) GHz	0.81 dB	
		(8 ~ 18) GHz	1.0 dB	
		(18 ~ 40) GHz	2.5 dB	
		(60 ~ 70) dB		
		(5 ~ 100) Hz	1.8 dB	
		100 Hz ~ 0.3 MHz	0.55 dB	
		0.3 MHz ~ 1 GHz	0.27 dB	
		(1 ~ 8) GHz	1.9 dB	
		(8 ~ 18) GHz	2.5 dB	
		(18 ~ 40) GHz	5.9 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
DS1/DS3 communications systems	40612			Frequency counter Transmission analyazer
Bit rate		50 Hz ~ 5 GHz	1.4×10^{-10}	Audeo analyzer Frequency standard,
Level & Amplitude		50 Hz ~ 200 kHz		Oscilloscope
		(10 ~ -30) dBm	0.051 dB	/KTICC-CI-40612
		(-30 ~ -50) dBm	0.10 dB	
		(-50 ~ -60) dBm	0.21 dB	
Frequency		(20 ~ 100) Hz	0.10 dB	
Response & Flatness		(0.1 ~ 100) kHz	0.051 dB	
		(0.1 ~ 1) MHz	0.081 dB	
Output Jitter		DS1 (10 Hz to 40 kHz)	0.023 UIp-p	
		DS1 (8 kHz to 40 kHz)	0.023 UIp-p	
		E1 (20 Hz to 100 kHz)	0.023 UIp-p	
		E1 (18 kHz to 100 kHz)	0.023 UIp-p	
		DS3 (10 Hz to 400 kHz)	0.035 UIp-p	
		DS3 (30 kHz to 400 kHz)	0.035 UIp-p	
Jitter Generator & Analyzer		DS1(1.544 MHz), 1 kHz		
		0.77 UIp-p	0.09 UIp-p	
		1.80 UIp-p	0.26 UIp-p	
		4.80 UIp-p	0.50 UIp-p	
		8.80 UIp-p	0.83 UIp-p	
		E1(2.048 MHz), 2.4 kHz		
		0.77 UIp-p	0.09 UIp-p	
		1.80 UIp-p	0.26 UIp-p	
		4.80 UIp-p	0.50 UIp-p	
		8.80 UIp-p	0.83 UIp-p	
		DS1(44.736 MHz), 4 kHz		
		0.77 UIp-p	0.11 UIp-p	
		1.80 UIp-p	0.30 UIp-p	
		4.80 UIp-p	0.61 UIp-p	
		8.80 UIp-p	1.0 UIp-p	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Electrostatic discharge generators	40613			Oscilloscope, Attenuator, ESD System
Output Voltage		(±)		/KTICC-CI-40613
		(0 ~ 1) kV	9.6×10^{-3}	
		(1 ~ 2) kV	1.6×10^{-2}	
		(2 ~ 10) kV	7.0×10^{-3}	
		(10 ~ 30) kV	6.9×10^{-3}	
Peak Current		(±)		
		(0 ~ 7.5) A	5.1×10^{-2}	
		(7.5 ~15) A	5.1×10^{-2}	
		(15 ~ 22.5) A	5.1×10^{-2}	
		(22.5 ~ 30) A	5.1×10^{-2}	
		(30 ~ 56) A	5.1×10^{-2}	
		(56 ~ 112.5) A	5.0×10^{-2}	
T1 Current(30 ns ~ 65 ns)		(±)		
		(0 ~ 4) A	5.1×10^{-2}	
		(4 ~ 8) A	5.1×10^{-2}	
		(8 ~ 12) A	5.1×10^{-2}	
		(12 ~ 16) A	5.1×10^{-2}	
		(16 ~ 30) A	5.1×10^{-2}	
		30 A ~ 60 A	4.9×10^{-2}	
T2 Current(60 ns ~ 130 ns)		(±)		
		(0 ~ 2) A	5.1×10^{-2}	
		(2 ~ 4) A	5.1×10^{-2}	
		(4 ~ 6) A	5.1×10^{-2}	
		(6 ~ 8) A	5.1×10^{-2}	
		(8 ~ 15) A	5.1×10^{-2}	
		(15 ~ 30) A	5.0×10^{-2}	
T1 Current(180 ns ~ 400 ns)		(±)		
		(0 ~ 0.55) A	5.4×10^{-2}	
		(0.55 ~ 1.1) A	5.2×10^{-2}	
		(1.1 ~ 1.65) A	5.1×10^{-2}	
		(1.65 ~ 2.2) A	5.1×10^{-2}	
		(2.2 ~ 4.125) A	5.1×10^{-2}	
		(4.125 ~ 8.25) A	5.1×10^{-2}	
T2 Current(360 ns ~ 800 ns)		(±)		
		(0 ~ 0.3) A	5.9×10^{-2}	
		(0.3 ~ 0.6) A	5.3×10^{-2}	
		(0.6 ~ 0.9) A	5.2×10^{-2}	
		(0.9 ~ 1.2) A	5.2×10^{-2}	
		(1.2 ~ 2.3) A	5.1×10^{-2}	
		(2.3 ~ 4.5) A	4.9×10^{-2}	
Rjse/Fall Time		(0.5 ~ 1) ns	0.02 ns	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
EMC receivers	40614			Power sensor, Modulation meter,
Frequency		9 kHz ~ 5 GHz	1.2×10^{-10}	Power meter, Frequency counter,
		(5 ~ 40) GHz	1.3 Hz	Measuring receiver,
				Signal generator
Input Level		(0.1 ~ 1 000) MHz		/KTICC-CI-40614
		(20 ~ 10) dBm	0.21 dB	
		(10 ~ 0) dBm	0.20 dB	
		(0 ~ -40) dBm	0.21 dB	
		(-40 ~ -60) dBm	0.22 dB	
		(-60 ~ -90) dBm	0.23 dB	
		(-90 ~ -110) dBm	0.24 dB	
		(-110 ~ -120) dBm	0.25 dB	
		(1 ~ 4) GHz		
		(20 ~ -20) dBm	0.21 dB	
		(-20 ~ -40) dBm	0.22 dB	
		(-40 ~ -70) dBm	0.23 dB	
		(-70 ~ -100) dBm	0.24 dB	
		(-100 ~ -120) dBm	0.25 dB	
		(4 ~ 8) GHz		
		(20 ~ -20) dBm	0.22 dB	
		(-20 ~ -40) dBm	0.23 dB	
		(-40 ~ -70) dBm	0.24 dB	
		(-70 ~ -100) dBm	0.25 dB	
		(-100 ~ -120) dBm	0.26 dB	
		(8 ~ 10) GHz		
		(20 ~ -20) dBm	0.27 dB	
		(-20 ~ -50) dBm	0.28 dB	
		(-50 ~ -80) dBm	0.29 dB	
		(-80 ~ -110) dBm	0.30 dB	
		(-110 ~ -120) dBm	0.31 dB	
		(10 ~ 12) GHz		
		(20 ~ 10) dBm	0.28 dB	
		(-20 ~ 0) dBm	0.27 dB	
		(0 ~ -40) dBm	0.28 dB	
		(-40 ~ -60) dBm	0.29 dB	
		(-60 ~ -90) dBm	0.30 dB	
		(-90 ~ -120) dBm	0.31 dB	
		(12 ~ 18) GHz		
		(20 ~ -30) dBm	0.29 dB	
		(-30 ~ -50) dBm	0.30 dB	
		(-50 ~ -80) dBm	0.31 dB	
		(-80 ~ -100) dBm	0.32 dB	
		(-100 ~ -120) dBm	0.33 dB	
		(18 ~ 26.5) GHz		
		(20 ~ -20) dBm	0.37 dB	
		(-20 ~ -40) dBm	0.38 dB	
		(-40 ~ -50) dBm	0.39 dB	
		(-50 ~ -80) dBm	0.40 dB	
		(-80 ~ -110) dBm	0.41 dB	
		(-110 ~ -120) dBm	0.42 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
EMC receivers	40614			Power sensor, Modulation meter,
Input Level		(26.5 ~ 40) GHz		Power meter, Frequency counter,
		(20 ~ -20) dBm	0.50 dB	Measuring receiver,
				Signal generator
Output Level		(0.1 ~ 1 000) MHz		/KTICC-CI-40614
		(20 ~ 10) dBm	0.12 dB	
		(10 ~ -10) dBm	0.11 dB	
		(-10 ~ -30) dBm	0.12 dB	
		(-30 ~ -40) dBm	0.13 dB	
		(-40 ~ -60) dBm	0.14 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(-70 ~ -90) dBm	0.16 dB	
		(-90 ~ -110) dBm	0.17 dB	
		(-110 ~ -120) dBm	0.18 dB	
		(1 ~ 4) GHz		
		(20 ~ 10) dBm	0.13 dB	
		(10 ~ -10) dBm	0.12 dB	
		(-10 ~ -30) dBm	0.13 dB	
		(-30 ~ -40) dBm	0.14 dB	
		(-40 ~ -60) dBm	0.15 dB	
		(-60 ~ -80) dBm	0.16 dB	
		(-80 ~ -100) dBm	0.17 dB	
		(-100 ~ -120) dBm	0.18 dB	
		(4 ~ 8) GHz		
		(20 ~ 10) dBm	0.14 dB	
		(10 ~ 0) dBm	0.13 dB	
		(0 ~ -20) dBm	0.14 dB	
		(-20 ~ -40) dBm	0.15 dB	
		(-40 ~ -50) dBm	0.16 dB	
		(-50 ~ -70) dBm	0.17 dB	
		(-70 ~ -90) dBm	0.18 dB	
		(-90 ~ -100) dBm	0.19 dB	
		(-100 ~ -120) dBm	0.20 dB	
		(8 ~ 10) GHz		
		(20 ~ 10) dBm	0.15 dB	
		(10 ~ 0) dBm	0.14 dB	
		(0 ~ -20) dBm	0.15 dB	
		(-20 ~ -40) dBm	0.16 dB	
		(-40 ~ -50) dBm	0.17 dB	
		(-50 ~ -70) dBm	0.18 dB	
		(-70 ~ -90) dBm	0.19 dB	
		(-90 ~ -110) dBm	0.20 dB	
		(-110 ~ -120) dBm	0.21 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
EMC receivers	40614			Power sensor, Modulation meter,
Output Level		(10 ~ 12) GHz		Power meter, Frequency counter,
		(20 ~ 10) dBm	0.16 dB	Measuring receiver,
		(10 ~ 0) dBm	0.15 dB	Signal generator
		(0 ~ -20) dBm	0.16 dB	/KTICC-CI-40614
		(-20 ~ -40) dBm	0.17 dB	
		(-40 ~ -50) dBm	0.18 dB	
		(-50 ~ -70) dBm	0.19 dB	
		(-70 ~ -90) dBm	0.20 dB	
		(-90 ~ -110) dBm	0.21 dB	
		(-110 ~ -120) dBm	0.22 dB	
		(12 ~ 18) GHz		
		(20 ~ 10) dBm	0.18 dB	
		(10 ~ 0) dBm	0.17 dB	
		(0 ~ -20) dBm	0.18 dB	
		(-20 ~ -40) dBm	0.19 dB	
		(-40 ~ -50) dBm	0.20 dB	
		(-50 ~ -70) dBm	0.21 dB	
		(-70 ~ -90) dBm	0.22 dB	
		(-90 ~ -100) dBm	0.23 dB	
		(-100 ~ -120) dBm	0.24 dB	
		(18 ~ 26.5) GHz		
		(20 ~ 10) dBm	0.25 dB	
		(10 ~ -10) dBm	0.24 dB	
		(-10 ~ -30) dBm	0.25 dB	
		(-30 ~ -40) dBm	0.26 dB	
		(-40 ~ -60) dBm	0.28 dB	
		(-60 ~ -80) dBm	0.29 dB	
		(-80 ~ -100) dBm	0.30 dB	
		(-100 ~ -120) dBm	0.31 dB	
		(26.5 ~ 40) GHz		
		(20 ~ -20) dBm	0.20 dB	
Frequency Modulation		Rate (0.01 ~ 100) kHz		
		(0 ~ 400) kHz	2.7×10^{-2}	
Amplitude Modulation		Rate (0.01 ~ 50) kHz		
		(0 ~ 99) %	2.7×10^{-2}	
Phase Modulation		Rate (0.05 ~ 100) kHz		
		(0 ~ 400) rad	4.2×10^{-2}	
VSWR		(9 ~ 100) kHz	0.014	
		100 kHz ~ 2 GHz	0.015	
		(2 ~ 26.5) GHz	0.019	
		(26.5 ~ 40) GHz	0.030	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
EMC receivers	40614			Power sensor, Modulation meter,
Frequency Response(CW)		10 Hz ~ 100 kHz	0.18 dB	Power meter, Frequency counter,
		100 kHz ~ 1 GHz	0.20 dB	Measuring receiver,
		(1 ~ 4) GHz	0.21 dB	Signal generator
		(4 ~ 8) GHz	0.22 dB	/KTICC-CI-40614
		(8 ~ 12) GHz	0.27 dB	
		(12 ~ 18) GHz	0.29 dB	
		(18 ~ 26.5) GHz	0.37 dB	
		(26.5 ~ 40) GHz	0.50 dB	
Frequency Response(Pulse)		9 kHz ~ 1 GHz	0.75 dB	
Frequency Response, Repetition(CISPR Band)		9 kHz ~ 1 GHz	0.75 dB	
Overall Selectivity		9 kHz ~ 1 GHz	0.07 dB	
IF Rejection		9 kHz ~ 100 kHz	0.06 dB	
		100 kHz ~ 1 GHz	0.11 dB	
		(1 ~ 4) GHz	0.12 dB	
		(4 ~ 8) GHz	0.13 dB	
		(8 ~ 10) GHz	0.14 dB	
		(10 ~ 12) GHz	0.15 dB	
		(12 ~ 18) GHz	0.18 dB	
		(18 ~ 26.5) GHz	0.24 dB	
		(26.5 ~ 40) GHz	0.20 dB	
IF Image Frequency Rejection		9 kHz ~ 100 kHz	0.06 dB	
		100 kHz ~ 1 GHz	0.11 dB	
		(1 ~ 4) GHz	0.12 dB	
		(4 ~ 8) GHz	0.13 dB	
		(8 ~ 10) GHz	0.14 dB	
		(10 ~ 12) GHz	0.15 dB	
		(12 ~ 18) GHz	0.18 dB	
		(18 ~ 26.5) GHz	0.24 dB	
		(26.5 ~ 40) GHz	0.20 dB	
Other Spurious Response		9 kHz ~ 100 kHz	0.06 dB	
		100 kHz ~ 1 GHz	0.11 dB	
		(1 ~ 4) GHz	0.12 dB	
		(4 ~ 8) GHz	0.13 dB	
		(8 ~ 10) GHz	0.14 dB	
		(10 ~ 12) GHz	0.15 dB	
		(12 ~ 18) GHz	0.18 dB	
		(18 ~ 26.5) GHz	0.24 dB	
		(26.5 ~ 40) GHz	0.20 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
EMC receivers	40614			Power sensor, Modulation meter,
Random Noise		9 kHz ~ 100 kHz	0.06 dB	Power meter, Frequency counter,
		100 kHz ~ 1 GHz	0.11 dB	Measuring receiver,
		(1 ~ 4) GHz	0.12 dB	Signal generator
		(4 ~ 8) GHz	0.13 dB	/KTICC-CI-40614
		(8 ~ 10) GHz	0.14 dB	
		(10 ~ 12) GHz	0.15 dB	
		(12 ~ 18) GHz	0.18 dB	
		(18 ~ 26.5) GHz	0.24 dB	
		(26.5 ~ 40) GHz	0.20 dB	
Resolution Bandwidth		10 Hz ~ 10 MHz	1.1×10^{-3}	
RF filters	40615			Network analyzer
Cutoff Frequency		(5 ~ 100) Hz	0.60 Hz	Frequency standard,
		100 Hz ~ 300 kHz	72 Hz	Calibration kit
		0.3 MHz ~ 1 GHz	72 kHz	/KTICC-CI-40615
		(1 ~ 2) GHz	0.12 MHz	
		(2 ~ 8) GHz	0.16 MHz	
		(8 ~ 18) GHz	0.31 MHz	
		(18 ~ 40) GHz	0.42 MHz	
Insertion Loss		5 Hz ~ 9 kHz	0.047 dB	
		9 kHz ~ 0.3 MHz	0.041 dB	
		0.3 MHz ~ 1 GHz	0.040 dB	
		(1 ~ 2) GHz	0.041 dB	
		(2 ~ 8) GHz	0.075 dB	
		(8 ~ 18) GHz	0.11 dB	
		(18 ~ 26.5) GHz	0.15 dB	
		(26.5 ~ 40) GHz	0.16 dB	
RF impedance meters	40616			Standard mismatch,
VSWR		(1.00 ~ 1.05)		Power sensor, Power meter,
		(0.05 ~ 2) GHz	0.059	Spectrum analyzer,
		(2 ~ 7) GHz	0.062	Frequency standard,
		(7 ~ 9) GHz	0.063	Frequency counter,
		(9 ~ 11) GHz	0.062	Calibration kit
		(11 ~ 12) GHz	0.063	/KTICC-CI-40616
		(12 ~ 18) GHz	0.095	
		(1.05 ~ 1.20)		
		(0.05 ~ 1) GHz	0.071	
		(1 ~ 8) GHz	0.074	
		(8 ~ 12) GHz	0.085	
		(12 ~ 18) GHz	0.12	
		(1.20 ~ 1.50)		
		(0.05 ~ 1) GHz	0.095	
		(1 ~ 8) GHz	0.10	
		(8 ~ 12) GHz	0.11	
		(12 ~ 18) GHz	0.20	
		(1.50 ~ 2.00)		
		(0.05 ~ 1) GHz	0.14	
		(1 ~ 4) GHz	0.15	
		(4 ~ 12) GHz	0.16	
		(12 ~ 17) GHz	0.26	
		(17 ~ 18) GHz	0.27	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF impedance meters	40616			Standard mismatch,
Output Power		9 kHz ~ 0.1 MHz		Power sensor, Power meter,
		(10 ~ -30) dBm	0.06 dB	Spectrum analyzer,
		(0.1 ~ 1 000) MHz		Frequency standard,
		(10 ~ -10) dBm	0.11 dB	Frequency counter,
		(-10 ~ -30) dBm	0.12 dB	Calibration kit
		(1 ~ 4) GHz		/KTICC-CI-40616
		(10 ~ -10) dBm	0.12 dB	
		(-10 ~ -30) dBm	0.13 dB	
		(4 ~ 8) GHz		
		(10 ~ 0) dBm	0.14 dB	
		0 dBm	0.13 dB	
		(0 ~ -20) dBm	0.14 dB	
		(-20 ~ -30) dBm	0.15 dB	
		(8 ~ 10) GHz		
		(10 ~ 0) dBm	0.15 dB	
		0 dBm	0.14 dB	
		(0 ~ -20) dBm	0.15 dB	
		(-20 ~ -30) dBm	0.16 dB	
		(10 ~ 12) GHz		
		(10 ~ 0) dBm	0.16 dB	
		0 dBm	0.15 dB	
		(0 ~ -20) dBm	0.16 dB	
		(-20 ~ -30) dBm	0.17 dB	
		(12 ~ 18) GHz		
		(10 ~ 0) dBm	0.18 dB	
		0 dBm	0.17 dB	
		(0 ~ -20) dBm	0.18 dB	
		(-20 ~ -30) dBm	0.19 dB	
Frequency		10 Hz ~ 5 GHz	1.2×10^{-10}	
		(5 ~ 40) GHz	1.3 Hz	
Loss		(1 ~ 3) dB		
		(0.05 ~ 3) GHz	0.039 dB	
		(3 ~ 6) GHz	0.043 dB	
		(6 ~ 10) GHz	0.048 dB	
		(10 ~ 15) GHz	0.057 dB	
		(15 ~ 18) GHz	0.062 dB	
		(3 ~ 6) dB		
		(0.05 ~ 3) GHz	0.040 dB	
		(3 ~ 6) GHz	0.043 dB	
		(6 ~ 10) GHz	0.046 dB	
		(10 ~ 15) GHz	0.057 dB	
		(15 ~ 18) GHz	0.061 dB	
		(6 ~ 10) dB		
		(0.05 ~ 3) GHz	0.040 dB	
		(3 ~ 6) GHz	0.043 dB	
		(6 ~ 10) GHz	0.044 dB	
		(10 ~ 15) GHz	0.050 dB	
		(15 ~ 18) GHz	0.060 dB	
Impedance		(0.05 ~ 2) GHz	0.6 Ω	
		(2 ~ 18) GHz	1.1 Ω	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF impulse generators	40617			Oscilloscope,
Output Voltage		(-20 ~ 20) kV	1.3×10^{-2}	High voltage probe /KTICC-CI-40617
Pulse Width		10 ns	3.6×10^{-3}	
		(10 ~ 100) ns	4.2×10^{-3}	
		100 ns ~ 100 ms	3.4×10^{-3}	
Line impedance stabilization networks ; LISN, CDN, ISN, etc.	40618			Network analyzer Calibration kit /KTICC-CI-40618
LISN				
Impedance		(9 ~ 30) kHz	0.61 Ω	
		30 kHz ~ 0.3 MHz	0.55 Ω	
		0.3 MHz ~ 1 GHz	0.56 Ω	
Insertion Loss		(9 ~ 30) kHz	0.060 dB	
		(30 ~ 50) kHz	0.051 dB	
		50 kHz ~ 1 GHz	0.041 dB	
Phase		(±180)°		
		9 kHz ~ 1 GHz	0.02°	
CDN				
Impedance		9 kHz ~ 10 MHz	0.61 Ω	
		10 MHz ~ 1 GHz	0.83 Ω	
Insertion Loss		(9 ~ 300) kHz	0.060 dB	
		300 kHz ~ 10 MHz	0.046 dB	
		10 MHz ~ 1 GHz	0.050 dB	
Phase		(±180)°		
		9 kHz ~ 1 GHz	0.02°	
Coaxial standard mismatches	40619			Network analyzer Calibration kit /KTICC-CI-40619
VSWR		1.00		
		5 Hz ~ 0.1 MHz	0.014	
		0.1 MHz ~ 2 GHz	0.015	
		(2 ~ 26.5) GHz	0.019	
		(26.5 ~ 40) GHz	0.030	
		(1 ~ 1.05)		
		5 Hz ~ 0.1 MHz	0.015	
		0.1 MHz ~ 2 GHz	0.016	
		(2 ~ 18) GHz	0.020	
		(18 ~ 26.5) GHz	0.021	
		(26.5 ~ 40) GHz	0.032	
		(1.05 ~ 1.10)		
		5 Hz ~ 0.1 MHz	0.016	
		0.1 MHz ~ 2 GHz	0.017	
		(2 ~ 26.5) GHz	0.022	
		(26.5 ~ 40) GHz	0.034	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Coaxial standard mismatches	40619			Network analyzer
VSWR		(1.10 ~ 1.20)		Calibration kit
		(5 ~ 100) Hz	0.018	/KTICC-CI-40619
		100 Hz ~ 0.1 MHz	0.017	
		0.1 MHz ~ 2 GHz	0.019	
		(2 ~ 26.5) GHz	0.025	
		(26.5 ~ 40) GHz	0.039	
		(1.20 ~ 1.30)		
		(5 ~ 100) Hz	0.021	
		100 Hz ~ 0.1 MHz	0.020	
		0.1 MHz ~ 2 GHz	0.022	
		(2 ~ 26.5) GHz	0.028	
		(26.5 ~ 40) GHz	0.043	
		(1.30 ~ 1.50)		
		(5 ~ 100) Hz	0.026	
		100 Hz ~ 0.1 MHz	0.024	
		0.1 MHz ~ 2 GHz	0.026	
		(2 ~ 8) GHz	0.035	
		(8 ~ 26.5) GHz	0.036	
		(26.5 ~ 40) GHz	0.055	
		(1.50 ~ 1.75)		
		(5 ~ 100) Hz	0.034	
		100 Hz ~ 0.1 MHz	0.031	
		0.1 MHz ~ 2 GHz	0.033	
		(2 ~ 8) GHz	0.047	
		(8 ~ 26.5) GHz	0.049	
		(26.5 ~ 40) GHz	0.071	
		(1.75 ~ 2.00)		
		(5 ~ 100) Hz	0.042	
		100 Hz ~ 0.1 MHz	0.037	
		0.1 MHz ~ 2 GHz	0.041	
		(2 ~ 8) GHz	0.060	
		(8 ~ 26.5) GHz	0.064	
		(26.5 ~ 40) GHz	0.091	
		(2.00 ~ 2.50)		
		(5 ~ 100) Hz	0.063	
		100 Hz ~ 0.1 MHz	0.054	
		0.1 MHz ~ 2 GHz	0.060	
		(2 ~ 7) GHz	0.094	
		(7 ~ 8) GHz	0.095	
		(8 ~ 26.5) GHz	0.10	
		(26.5 ~ 40) GHz	0.14	
		(2.50 ~ 3.00)		
		(5 ~ 100) Hz	0.089	
		100 Hz ~ 0.1 MHz	0.073	
		0.1 MHz ~ 2 GHz	0.082	
		(2 ~ 8) GHz	0.14	
		(8 ~ 26.5) GHz	0.15	
		(26.5 ~ 40) GHz	0.20	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Mobile commuication test sets	40621			Frequency counter, Measuring receiver,
Frequency		10 Hz ~ 5 GHz	1.2×10^{-10}	Power meter,
		(5 ~ 8) GHz	1.3 Hz	Frequency counter, DMM, Meter calibrater,
Output level		(0.1 ~ 1 000) MHz		Function generator,
		(20 ~ 10) dBm	0.12 dB	Audio analyzer,
		(10 ~ -10) dBm	0.11 dB	RF spectrum analyzer
		(-10 ~ -30) dBm	0.12 dB	/KTICC-CI-40621
		(-30 ~ -40) dBm	0.13 dB	
		(-40 ~ -60) dBm	0.14 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(-70 ~ -90) dBm	0.16 dB	
		(-90 ~ -110) dBm	0.17 dB	
		(-110 ~ -120) dBm	0.18 dB	
		(1 ~ 4) GHz		
		(20 ~ 10) dBm	0.13 dB	
		(10 ~ -10) dBm	0.12 dB	
		(-10 ~ -30) dBm	0.13 dB	
		(-30 ~ -40) dBm	0.14 dB	
		(-40 ~ -60) dBm	0.15 dB	
		(-60 ~ -80) dBm	0.16 dB	
		(-80 ~ -100) dBm	0.17 dB	
		(-100 ~ -120) dBm	0.18 dB	
		(4 ~ 8) GHz		
		(20 ~ 10) dBm	0.14 dB	
		(10 ~ 0) dBm	0.13 dB	
		(0 ~ -20) dBm	0.14 dB	
		(-20 ~ -40) dBm	0.15 dB	
		(-40 ~ -50) dBm	0.16 dB	
		(-50 ~ -70) dBm	0.17 dB	
		(-70 ~ -90) dBm	0.18 dB	
		(-90 ~ -100) dBm	0.19 dB	
		(-100 ~ -120) dBm	0.20 dB	
Frequency Modulation		Rate (0.01 ~ 100) kHz		
		(0 ~ 400) kHz	2.7×10^{-2}	
Amplitude Modulation		Rate (0.01 ~ 50) kHz		
		(0 ~ 99) %	2.7×10^{-2}	
Phase Modulation		Rate (0.05 ~ 100) kHz		
		(0 ~ 400) rad	4.2×10^{-2}	
Harmonics		10 MHz ~ 3 GHz	0.4 dB	
		(3 ~ 8) GHz	0.5 dB	
		(8 ~ 12) GHz	0.6 dB	
		(12 ~ 16) GHz	0.7 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Mobile commuication test sets	40621			Frequency counter, Measuring receiver,
Input Level		(0.1 ~ 1 000) MHz		Power meter,
		(20 ~ 10) dBm	0.21 dB	Frequency counter, DMM,
		(10 ~ 0) dBm	0.20 dB	Meter calibrater,
		(0 ~ -40) dBm	0.21 dB	Function generator,
		(-40 ~ -60) dBm	0.22 dB	Audio analyzer,
		(-60 ~ -90) dBm	0.23 dB	RF spectrum analyzer
		(-90 ~ -110) dBm	0.24 dB	/KTICC-CI-40621
		(-110 ~ -120) dBm	0.25 dB	
		(1 ~ 4) GHz		
		(20 ~ -20) dBm	0.21 dB	
		(-20 ~ -40) dBm	0.22 dB	
		(-40 ~ -70) dBm	0.23 dB	
		(-70 ~ -100) dBm	0.24 dB	
		(-100 ~ -120) dBm	0.25 dB	
		(4 ~ 8) GHz		
		(20 ~ -20) dBm	0.22 dB	
		(-20 ~ -40) dBm	0.23 dB	
		(-40 ~ -70) dBm	0.24 dB	
		(-70 ~ -100) dBm	0.25 dB	
		(-100 ~ -120) dBm	0.26 dB	
Audio Output Level		1 mV		
		40 ㎐ ~ 10 kHz	4.2×10^{-3}	
		(10 ~ 100) kHz	2.1×10^{-2}	
		(1 ~ 10) mV		
		40 ㎐ ~ 10 kHz	5.4×10^{-4}	
		(10 ~ 100) kHz	2.8×10^{-3}	
		(10 ~ 100) mV		
		40 ㎐ ~ 10 kHz	2.2×10^{-4}	
		(10 ~ 100) kHz	1.1×10^{-3}	
		(0.1 ~ 10) V		
		(40 ~ 100) Hz	1.4×10^{-4}	
		(0.1 ~ 1) kHz	1.2×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-4}	
		(10 ~ 100) kHz	7.3×10^{-4}	
		(10 ~ 20) V		
		(40 ~ 100) Hz	2.0×10^{-4}	
		(0.1 ~ 1) kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	2.0×10^{-4}	
		(10 ~ 100) kHz	1.5×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Mobile commuication test sets	40621			Frequency counter, Measuring receiver,
AC Input Voltage		10 mV		Power meter,
		(0.04 ~ 1) kHz	5.1×10^{-4}	Frequency counter, DMM,
		(1 ~ 10) kHz	5.0×10^{-4}	Meter calibrater,
		(10 ~ 100) kHz	1.0×10^{-3}	Function generator,
		(100 ~ 500) kHz	3.5×10^{-3}	Audio analyzer,
		(0.5 ~ 1) MHz	4.8×10^{-3}	RF spectrum analyzer
		(10 ~ 100) mV		/KTICC-CI-40621
		(0.04 ~ 1) kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	1.7×10^{-4}	
		(10 ~ 100) kHz	6.5×10^{-4}	
		(100 ~ 500) kHz	1.7×10^{-3}	
		(0.5 ~ 1) MHz	3.2×10^{-3}	
		(0.1 ~ 1) V		
		(0.04 ~ 1) kHz	1.3×10^{-4}	
		(1 ~ 10) kHz	9.1×10^{-5}	
		(10 ~ 100) kHz	1.6×10^{-4}	
		(100 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	2.0×10^{-3}	
		(1 ~ 10) V		
		(0.04 ~ 1) kHz	1.3×10^{-4}	
		(1 ~ 10) kHz	8.9×10^{-5}	
		(10 ~ 100) kHz	1.4×10^{-4}	
		(100 ~ 500) kHz	1.2×10^{-3}	
		(0.5 ~ 1) MHz	1.9×10^{-3}	
DC Input Voltage		(0 ~ 10) mV	4.9×10^{-5}	
		(10 ~ 100) mV	1.3×10^{-5}	
		(0.1 ~ 1) V	5.9×10^{-6}	
		(1 ~ 10) V	4.0×10^{-6}	
DC Output Voltage		(0 ~ 0.1) V	6.3×10^{-5}	
		(0.1 ~ 0.2) V	3.3×10^{-5}	
		(0.2 ~ 0.5) V	1.6×10^{-5}	
		(0.5 ~ 1) V	1.1×10^{-5}	
		(1 ~ 2) V	3.2×10^{-5}	
		(2 ~ 5) V	1.5×10^{-5}	
		(5 ~ 10) V	1.0×10^{-5}	
Modulation meters	40622			Measuring receiver
Frequency Modulation		Rate (0.01 ~ 100) kHz		Frequency counter
		(0 ~ 400) kHz	2.7×10^{-2}	RF Signal Generator
				/KTICC-CI-40622
Amplitude Modulation		Rate (0.01 ~ 50) kHz		
		(0 ~ 99) %	2.7×10^{-2}	
Phase Modulation		Rate (0.05 ~ 100) kHz		
		(0 ~ 400) rad	4.2×10^{-2}	
Frequency		10 Hz ~ 5 GHz	1.2×10^{-10}	
		(5 ~ 26.5) GHz	1.3 Hz	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Modulation meters	40622			Measuring receiver
Tuned RF Level		(0 ~ -10) dB	0.04 dB	Frequency counter
		(-10 ~ -120) dB	0.05 dB	RF Signal Generator /KTICC-CI-40622
ILS/VOR Analyzer				
Frequency(VOR/ILS)		(70 ~ 350) MHz	6.7 Hz	
Amplitude Modulation(VOR/ILS)		Localizer(108 ~ 112) MHz :		
		(0 ~ 20) %	0.49 %	
		Glideslope(320 ~ 340) MHz :		
		(20 ~ 40) %	0.98 %	
		Marker Beacon(74.7 ~ 75.3) MHz :		
		(40 ~ 95) %	2.5 %	
		VOR(108 ~ 118) MHz :		
		(0 ~ 30) %	0.80 %	
Input level(VOR/ILS)		Localizer(108 ~ 112) MHz :		
		(10 ~ -10) dBm	0.14 dB	
		(-10 ~ -40) dBm	0.15 dB	
		(-40 ~ -50) dBm	0.16 dB	
		(-50 ~ -70) dBm	0.17 dB	
		(-70 ~ -90) dBm	0.18 dB	
		(-90 ~ -110) dBm	0.19 dB	
		(-110 ~ -120) dBm	0.20 dB	
		Glideslope(320 ~ 340) MHz :		
		(10 ~ -10) dBm	0.14 dB	
		(-10 ~ -40) dBm	0.15 dB	
		(-40 ~ -50) dBm	0.16 dB	
		(-50 ~ -70) dBm	0.17 dB	
		(-70 ~ -90) dBm	0.18 dB	
		(-90 ~ -110) dBm	0.19 dB	
		(-110 ~ -120) dBm	0.20 dB	
DDM(VOR/ILS)		Localizer(108 ~ 112) MHz :		
		0 %	0.000 13 %	
		(0 ~ 0.155) %	0.002 4 %	
		Glideslope(320 ~ 340) MHz :		
		0 %	0.000 13 %	
		(0 ~ 0.175) %	0.002 7 %	
SDM(VOR/ILS)		Localizer(108 ~ 112) MHz :		
		(0 ~ 40) %	0.60 %	
		Glideslope(320 ~ 340) MHz :		
		(0 ~ 80) %	1.2 %	
Azimuth(VOR/ILS)		VOR(108 ~ 118) MHz :		
		(0 ~ 1)°	4.8×10^{-2}	
		(1 ~ 10)°	3.8×10^{-2}	
		(10 ~ 360)°	3.7×10^{-2}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Network analyzers	40623			Frequency Standard,
Frequency		10 Hz ~ 5 GHz	1.2×10^{-10}	Frequency Counter,
		(5 ~ 40) GHz	1.3 Hz	Power Sensor, Power Meter, Sensor Module,
Output Level		9 kHz ~ 0.1 MHz		Measuring Receiver,
		(20 ~ -40) dBm	0.06 dB	Calibration Kit, Attenuator /KTICC-CI-40623
		(0.1 ~ 1 000) MHz		
		(20 ~ 10) dBm	0.12 dB	
		(10 ~ -10) dBm	0.11 dB	
		(-10 ~ -30) dBm	0.12 dB	
		(-30 ~ -40) dBm	0.13 dB	
		(-40 ~ -60) dBm	0.14 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(-70 ~ -90) dBm	0.16 dB	
		(-90 ~ -110) dBm	0.17 dB	
		(1 ~ 4) GHz		
		(20 ~ 10) dBm	0.13 dB	
		(10 ~ -10) dBm	0.12 dB	
		(-10 ~ -30) dBm	0.13 dB	
		(-30 ~ -40) dBm	0.14 dB	
		(-40 ~ -60) dBm	0.15 dB	
		(-60 ~ -80) dBm	0.16 dB	
		(-80 ~ -100) dBm	0.17 dB	
		(-100 ~ -110) dBm	0.18 dB	
		(4 ~ 8) GHz		
		(20 ~ 10) dBm	0.14 dB	
		(10 ~ 0) dBm	0.13 dB	
		(0 ~ -20) dBm	0.14 dB	
		(-20 ~ -40) dBm	0.15 dB	
		(-40 ~ -50) dBm	0.16 dB	
		(-50 ~ -70) dBm	0.17 dB	
		(-70 ~ -90) dBm	0.18 dB	
		(-90 ~ -100) dBm	0.19 dB	
		(-100 ~ -110) dBm	0.20 dB	
		(8 ~ 10) GHz		
		(20 ~ 10) dBm	0.15 dB	
		(10 ~ 0) dBm	0.14 dB	
		(0 ~ -20) dBm	0.15 dB	
		(-20 ~ -40) dBm	0.16 dB	
		(-40 ~ -50) dBm	0.17 dB	
		(-50 ~ -70) dBm	0.18 dB	
		(-70 ~ -90) dBm	0.19 dB	
		(-90 ~ -110) dBm	0.20 dB	
		(12 ~ 18) GHz		
		(20 ~ 10) dBm	0.18 dB	
		(10 ~ 0) dBm	0.17 dB	
		(0 ~ -20) dBm	0.18 dB	
		(-20 ~ -40) dBm	0.19 dB	
		(-40 ~ -50) dBm	0.20 dB	
		(-50 ~ -70) dBm	0.21 dB	
		(-70 ~ -90) dBm	0.22 dB	
		(-90 ~ -100) dBm	0.23 dB	
		(-100 ~ -110) dBm	0.24 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Network analyzers	40623			Frequency Standard,
Output Level		(18 ~ 26.5) GHz		Frequency Counter,
		(20 ~ 10) dBm	0.25 dB	Power Sensor, Power Meter,
		(10 ~ -10) dBm	0.24 dB	Sensor Module,
		(-10 ~ -30) dBm	0.25 dB	Measuring Receiver,
		(-30 ~ -40) dBm	0.26 dB	Calibration Kit, Attenuator
		(-40 ~ -60) dBm	0.28 dB	/KTICC-CI-40623
		(-60 ~ -80) dBm	0.29 dB	
		(-80 ~ -100) dBm	0.30 dB	
		(-100 ~ -110) dBm	0.31 dB	
		(26.5 ~ 40) GHz		
		(20 ~ -30) dBm	0.20 dB	
Output Level Linearity		9 kHz ~ 0.1 MHz		
		(20 ~ -40) dBm	0.08 dB	
		(0.1 ~ 1 000) MHz		
		(20 ~ -30) dBm	0.06 dB	
		(-30 ~ -50) dBm	0.07 dB	
		(-50 ~ -70) dBm	0.08 dB	
		(-70 ~ -100) dBm	0.09 dB	
		(-100 ~ -110) dBm	0.10 dB	
		(1 ~ 10) GHz		
		(20 ~ -40) dBm	0.08 dB	
		(-40 ~ -60) dBm	0.09 dB	
		(-60 ~ -90) dBm	0.10 dB	
		(-90 ~ -110) dBm	0.11 dB	
		(10 ~ 18) GHz		
		(20 ~ -60) dBm	0.10 dB	
		(-60 ~ -90) dBm	0.11 dB	
		(-90 ~ -110) dBm	0.12 dB	
		(18 ~ 22) GHz		
		(20 ~ 10) dBm	0.15 dB	
		(10 ~ -10) dBm	0.14 dB	
		(-10 ~ -70) dBm	0.15 dB	
		(-70 ~ -110) dBm	0.16 dB	
		(22 ~ 26.5) GHz		
		(20 ~ 10) dBm	0.15 dB	
		(10 ~ -10) dBm	0.14 dB	
		(-10 ~ -50) dBm	0.15 dB	
		(-50 ~ -90) dBm	0.16 dB	
		(-90 ~ -110) dBm	0.17 dB	
		(26.5 ~ 40) GHz		
		(20 ~ -30) dBm	0.20 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Network analyzers	40623			Frequency Standard,
Frequency Response		(10 ~ -10) dBm		Frequency Counter,
		9 kHz ~ 0.1 MHz	0.18 dB	Power Sensor, Power Meter,
		(0.1 ~ 1 000) MHz	0.20 dB	Sensor Module,
		(1 ~ 4) GHz	0.21 dB	Measuring Receiver,
		(4 ~ 8) GHz	0.22 dB	Calibration Kit, Attenuator
		(8 ~ 12) GHz	0.27 dB	/KTICC-CI-40623
		(12 ~ 18) GHz	0.29 dB	
		(18 ~ 26.5) GHz	0.37 dB	
		(26.5 ~ 40) GHz	0.50 dB	
Attenuation		(0.05 ~ 3) GHz		
		(0 ~ -80) dB	0.05 dB	
		(-80 ~ -90) dB	0.07 dB	
		(-90 ~ -100) dB	0.08 dB	
		(3 ~ 8) GHz		
		(0 ~ -40) dB	0.05 dB	
		(-40 ~ -70) dB	0.06 dB	
		(-70 ~ -80) dB	0.07 dB	
		(-80 ~ -90) dB	0.08 dB	
		(-90 ~ -100) dB	0.09 dB	
		(8 ~ 10) GHz		
		(0 ~ -40) dB	0.05 dB	
		(-40 ~ -60) dB	0.06 dB	
		(-60 ~ -80) dB	0.07 dB	
		(-80 ~ -90) dB	0.09 dB	
		(-90 ~ -100) dB	0.10 dB	
		(10 ~ 15) GHz		
		(0 ~ -20) dB	0.05 dB	
		(-20 ~ -50) dB	0.06 dB	
		(-50 ~ -70) dB	0.07 dB	
		(-70 ~ -80) dB	0.08 dB	
		(-80 ~ -90) dB	0.10 dB	
		(-90 ~ -100) dB	0.11 dB	
		(15 ~ 18) GHz		
		(0 ~ -10) dB	0.07 dB	
		(-10 ~ -20) dB	0.06 dB	
		(-20 ~ -40) dB	0.07 dB	
		(-40 ~ -50) dB	0.08 dB	
		(-50 ~ -60) dB	0.07 dB	
		(-60 ~ -70) dB	0.08 dB	
		(-70 ~ -80) dB	0.09 dB	
		(-80 ~ -100) dB	0.11 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Noise figure meters	40624			DMM, Frequency counter
Reference Frequency		10 MHz	1.2 mHz	Attenuator, Noise source
				Network analyzer
Frequency		10 MHz ~ 26.5 GHz	0.58 kHz	/KTICC-CI-40624
Noise Figure Range		(0 ~ -5) dB	0.039 dB	
		(-5 ~ -11) dB	0.040 dB	
		(-11 ~ -30) dB	0.042 dB	
		(-30 ~ -60) dB	0.045 dB	
Noise Figure		Noise source (6 dB)		
		(0.01 ~ 6) GHz	0.57 dB	
		(6 ~ 7) GHz	0.58 dB	
		(7 ~ 16) GHz	0.59 dB	
		(16 ~ 17) GHz	0.60 dB	
		(17 ~ 18) GHz	0.59 dB	
		Noise source (15 dB)		
		(0.01 ~ 0.1) GHz	0.52 dB	
		(0.1 ~ 1) GHz	0.53 dB	
		(1 ~ 7) GHz	0.51 dB	
		(7 ~ 8) GHz	0.55 dB	
		(8 ~ 17) GHz	0.56 dB	
		(17 ~ 18) GHz	0.57 dB	
		(18 ~ 26.5) GHz	0.74 dB	
VSWR		(0.1 ~ 50) MHz	0.014	
		(0.05 ~ 2) GHz	0.015	
		(2 ~ 26.5) GHz	0.019	
Noise Source Voltage		(0 ~ 28) V	0.25 mV	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Noise generators	40625			Frequency counter,
Frequency		(0.1 ~ 5 000) MHz	1.2×10^{-10}	Power sensor, Power meter
		(5 ~ 18) GHz	1.3 Hz	RF spectrum analyzer
				Sensor module,
Output Level		(0.1 ~ 1 000) MHz		Measuring receiver
		(20 ~ 10) dBm	0.12 dB	/KTICC-CI-40625
		(10 ~ -10) dBm	0.11 dB	
		(-10 ~ -30) dBm	0.12 dB	
		(-30 ~ -40) dBm	0.13 dB	
		(-40 ~ -60) dBm	0.14 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(-70 ~ -90) dBm	0.16 dB	
		(-90 ~ -110) dBm	0.17 dB	
		(-110 ~ -120) dBm	0.18 dB	
		(1 ~ 4) GHz		
		(20 ~ 10) dBm	0.13 dB	
		(10 ~ -10) dBm	0.12 dB	
		(-10 ~ -30) dBm	0.13 dB	
		(-30 ~ -40) dBm	0.14 dB	
		(-40 ~ -60) dBm	0.15 dB	
		(-60 ~ -80) dBm	0.16 dB	
		(-80 ~ -100) dBm	0.17 dB	
		(-100 ~ -120) dBm	0.18 dB	
		(4 ~ 8) GHz		
		(20 ~ 10) dBm	0.14 dB	
		(10 ~ 0) dBm	0.13 dB	
		(0 ~ -20) dBm	0.14 dB	
		(-20 ~ -40) dBm	0.15 dB	
		(-40 ~ -50) dBm	0.16 dB	
		(-50 ~ -70) dBm	0.17 dB	
		(-70 ~ -90) dBm	0.18 dB	
		(-90 ~ -100) dBm	0.19 dB	
		(-100 ~ -120) dBm	0.20 dB	
		(8 ~ 10) GHz		
		(20 ~ 10) dBm	0.15 dB	
		(10 ~ 0) dBm	0.14 dB	
		(0 ~ -20) dBm	0.15 dB	
		(-20 ~ -40) dBm	0.16 dB	
		(-40 ~ -50) dBm	0.17 dB	
		(-50 ~ -70) dBm	0.18 dB	
		(-70 ~ -90) dBm	0.19 dB	
		(-90 ~ -110) dBm	0.20 dB	
		(-110 ~ -120) dBm	0.21 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Noise generators	40625			Frequency counter,
Output Level		(10 ~ 12) GHz		Power sensor, Power meter
		(20 ~ 10) dBm	0.16 dB	RF spectrum analyzer
		(10 ~ 0) dBm	0.15 dB	Sensor module,
		(0 ~ -20) dBm	0.16 dB	Measuring receiver
		(-20 ~ -40) dBm	0.17 dB	/KTICC-CI-40625
		(-40 ~ -50) dBm	0.18 dB	
		(-50 ~ -70) dBm	0.19 dB	
		(-70 ~ -90) dBm	0.20 dB	
		(-90 ~ -110) dBm	0.21 dB	
		(-110 ~ -120) dBm	0.22 dB	
		(12 ~ 18) GHz		
		(20 ~ 10) dBm	0.18 dB	
		(10 ~ 0) dBm	0.17 dB	
		(0 ~ -20) dBm	0.18 dB	
		(-20 ~ -40) dBm	0.19 dB	
		(-40 ~ -50) dBm	0.20 dB	
		(-50 ~ -70) dBm	0.21 dB	
		(-70 ~ -90) dBm	0.22 dB	
		(-90 ~ -100) dBm	0.23 dB	
		(-100 ~ -120) dBm	0.24 dB	
Noise impulse simulators	40626			Oscilloscope. Attenuator
Output Voltage		(-4 ~ 4) kV	1.3×10^{-2}	High voltage probe
				/KTICC-CI-40626
Pulse Width		10 ns	3.6×10^{-3}	
		(10 ~ 50) ns	4.4×10^{-3}	
		(50 ~ 100) ns	4.2×10^{-3}	
		(100 ~ 200) ns	6.0×10^{-3}	
		(200 ~ 250) ns	5.3×10^{-3}	
		(250 ~ 400) ns	4.6×10^{-3}	
		(400 ~ 500) ns	3.9×10^{-3}	
		(500 ~ 800) ns	4.2×10^{-3}	
		(800 ~ 1 000) ns	3.4×10^{-3}	
Rise Time		0.5 ns	3.2×10^{-1}	
		(0.5 ~ 1) ns	9.1×10^{-2}	
		(1 ~ 5) ns	7.6×10^{-3}	
Repetition period		(10 ~ 1 000) ms	3.4×10^{-3}	
RF phase meters	40631			RF signal generator
Phase		(0 ~ 360)°		Calibration kit
		(0.05 ~ 1) GHz	1.5°	Network analyzer
		(1 ~ 7) GHz	3.8°	/KTICC-CI-40631
		(7 ~ 18) GHz	6.7°	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF power meters	40635			Range calibrator,
Instrument Accuracy		3 μW ~ 100 mW	2.9×10^{-3}	Thermistor mount,
				Power meter, Frequency counter
Power Reference Accuracy		1 mW	5.8 μW	Fixed attenuator, Power sensor,
				RF amplifier, Signal generator
Power Reference		50 MHz	58 mHz	/KTICC-CI-40635
RF High Power		(0.08 ~ 1) GHz		
		(0 ~ 100) W	2.2×10^{-2}	
Diode power sensors	40636			Thermistor mount, Power meter,
Calibration Factor		0.1 μW ~ 1 mW		Network analyzer
		9 kHz ~ 10 MHz	1.7×10^{-2}	/KTICC-CI-40636
		(0.01 ~ 2) GHz	1.6×10^{-2}	
		(2 ~ 10) GHz	1.8×10^{-2}	
		(10 ~ 18) GHz	2.1×10^{-2}	
		(18 ~ 26.5) GHz	3.7×10^{-2}	
		(26.5 ~ 40) GHz	4.7×10^{-2}	
Thermocouple power sensors	40637			Thermistor mount, Power meter,
Calibration Factor		10 μW ~ 10 mW		Network analyzer
		9 kHz ~ 10 MHz	1.7×10^{-2}	/KTICC-CI-40637
		(0.01 ~ 2) GHz	1.6×10^{-2}	
		(2 ~ 10) GHz	1.8×10^{-2}	
		(10 ~ 18) GHz	2.1×10^{-2}	
		(18 ~ 26.5) GHz	3.7×10^{-2}	
		(26.5 ~ 40) GHz	4.7×10^{-2}	
Pulse generators	40638			Frequency counter, DMM,
Frequency		10 MHz	1.4×10^{-10}	Audio analyzer, Oscilloscope
				Measuring receiver
Period		0.2 ns ~ 1 s	1.4×10^{-10}	Sensor module
				/KTICC-CI-40638
Output Voltage		1 mV		
		20 Hz ~ 10 kHz	4.2×10^{-3}	
		(10 ~ 100) kHz	2.1×10^{-2}	
		100 kHz ~ 1 MHz	4.5×10^{-2}	
		(1 ~ 10) mV		
		20 Hz ~ 10 kHz	5.4×10^{-4}	
		(10 ~ 100) kHz	2.8×10^{-3}	
		100 kHz ~ 1 MHz	2.3×10^{-2}	
		(10 ~ 100) mV		
		20 Hz ~ 10 kHz	2.2×10^{-4}	
		(10 ~ 100) kHz	1.1×10^{-3}	
		100 kHz ~ 1 MHz	8.1×10^{-3}	
		(0.1 ~ 10) V		
		(40 ~ 100) Hz	1.4×10^{-4}	
		(0.1 ~ 1) kHz	1.2×10^{-4}	
		(1 ~ 10) kHz	1.4×10^{-4}	
		(10 ~ 100) kHz	7.3×10^{-4}	
		100 kHz ~ 1 MHz	8.1×10^{-3}	
		(10 ~ 20) V		
		(40 ~ 100) Hz	2.0×10^{-4}	
		(0.1 ~ 1) kHz	1.8×10^{-4}	
		(1 ~ 10) kHz	2.0×10^{-4}	
		(10 ~ 100) kHz	1.5×10^{-3}	
		100 kHz ~ 1 MHz	8.6×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Pulse generators	40638			Frequency counter, DMM,
Output Voltage		(20 ~ 100) V		Audio analyzer, Oscilloscope
		(40 ~ 100) Hz	1.4×10^{-4}	Measuring receiver
		(0.1 ~ 1) kHz	1.2×10^{-4}	Sensor module
		(1 ~ 10) kHz	1.4×10^{-4}	/KTICC-CI-40638
		(10 ~ 100) kHz	7.4×10^{-4}	
Output Level		(0.1 ~ 1 000) MHz		
		(20 ~ 10) dBm	0.12 dB	
		(10 ~ -10) dBm	0.11 dB	
		(-10 ~ -30) dBm	0.12 dB	
		(-30 ~ -40) dBm	0.13 dB	
		(-40 ~ -60) dBm	0.14 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(-70 ~ -90) dBm	0.16 dB	
		(-90 ~ -110) dBm	0.17 dB	
		(-110 ~ -120) dBm	0.18 dB	
Level Flatness		(0.1 ~ 1 000) MHz	0.11 dB	
		(1 ~ 4) GHz	0.12 dB	
		(4 ~ 8) GHz	0.13 dB	
		(8 ~ 10) GHz	0.14 dB	
		(10 ~ 12) GHz	0.15 dB	
		(12 ~ 18) GHz	0.17 dB	
Pulse width		0.4 ns	4.8×10^{-1}	
		(0.4 ~ 1) ns	9.0×10^{-2}	
		(1 ~ 10) ns	3.6×10^{-3}	
		10 ns ~ 1 ms	3.4×10^{-3}	
		1 ms ~ 1 s	1.3×10^{-3}	
Pulse Time		0.4 ns	4.8×10^{-1}	
		(0.4 ~ 1) ns	9.0×10^{-2}	
		(1 ~ 10) ns	3.6×10^{-3}	
		10 ns ~ 1 ms	3.4×10^{-3}	
		1 ms ~ 1 s	1.3×10^{-3}	
Double Pulse		0.4 ns	4.8×10^{-1}	
		(0.4 ~ 1) ns	9.0×10^{-2}	
		(1 ~ 10) ns	3.6×10^{-3}	
		10 ns ~ 1 ms	3.4×10^{-3}	
		1 ms ~ 1 s	1.3×10^{-3}	
Pulse Delay		0.4 ns	4.8×10^{-1}	
		(0.4 ~ 1) ns	9.0×10^{-2}	
		(1 ~ 10) ns	3.6×10^{-3}	
		10 ns ~ 1 ms	3.4×10^{-3}	
		1 ms ~ 1 s	1.3×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Pulse generators	40638			Frequency counter, DMM,
Transition		0.4 ns	4.8×10^{-1}	Audio analyzer, Oscilloscope
		(0.4 ~ 1) ns	9.0×10^{-2}	Measuring receiver
		(1 ~ 10) ns	3.6×10^{-3}	Sensor module
		10 ns ~ 1 ms	3.4×10^{-3}	/KTICC-CI-40638
		1 ms ~ 1 s	1.3×10^{-3}	
Duty cycle		(1 ~ 99) %	0.006 3 %	
Radar test sets	40639			Frequency Standard,
Frequency		10 Hz ~ 5 GHz	1.2×10^{-10}	Frequency Counter,
		(5 ~ 10) GHz	1.3 Hz	Power Sensor, Power Meter,
				Signal Generator
Output Level		(0.1 ~ 1 000) MHz		RF amplifiers
		(20 ~ 10) dBm	0.12 dB	attenuators
		(10 ~ -10) dBm	0.11 dB	/KTICC-CI-40639
		(-10 ~ -30) dBm	0.12 dB	
		(-30 ~ -40) dBm	0.13 dB	
		(-40 ~ -60) dBm	0.14 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(-70 ~ -90) dBm	0.16 dB	
		(-90 ~ -110) dBm	0.17 dB	
		(-110 ~ -120) dBm	0.18 dB	
Frequency Modulation		Rate (0.01 ~ 100) kHz		
		(0 ~ 400) kHz	2.7×10^{-2}	
Input level		(0.1 ~ 1 000) MHz		
		(20 ~ 10) dBm	0.21 dB	
		(10 ~ 0) dBm	0.20 dB	
		(0 ~ -40) dBm	0.21 dB	
		(-40 ~ -60) dBm	0.22 dB	
		(-60 ~ -90) dBm	0.23 dB	
		(-90 ~ -110) dBm	0.24 dB	
		(-110 ~ -120) dBm	0.25 dB	
RF High Power		(0.08 ~ 1) GHz		
		(0 ~ 100) W	2.8×10^{-2}	
Pulse Time		0.4 ns	4.8×10^{-1}	
		(0.4 ~ 1) ns	9.0×10^{-2}	
		(1 ~ 10) ns	3.6×10^{-3}	
		10 ns ~ 1 ms	3.4×10^{-3}	
		1 ms ~ 1 s	1.3×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF signal generators	40640			Frequency Counter,
Frequency		9 kHz ~ 5 GHz	1.2×10^{-10}	Power Meter, Power Sensor
		(5 ~ 40) GHz	1.3 Hz	RF Spectrum Analyzer
				Sensor Module,
Output Level		9 kHz ~ 0.1 MHz		Measuring Receiver
		(20 ~ -40) dBm	0.06 dB	/KTICC-CI-40640
		(0.1 ~ 1 000) MHz		
		(20 ~ 10) dBm	0.12 dB	
		(10 ~ -10) dBm	0.11 dB	
		(-10 ~ -30) dBm	0.12 dB	
		(-30 ~ -40) dBm	0.13 dB	
		(-40 ~ -60) dBm	0.14 dB	
		(-60 ~ -70) dBm	0.15 dB	
		(-70 ~ -90) dBm	0.16 dB	
		(-90 ~ -110) dBm	0.17 dB	
		(-110 ~ -120) dBm	0.18 dB	
		(1 ~ 4) GHz		
		(20 ~ 10) dBm	0.13 dB	
		(10 ~ -10) dBm	0.12 dB	
		(-10 ~ -30) dBm	0.13 dB	
		(-30 ~ -40) dBm	0.14 dB	
		(-40 ~ -60) dBm	0.15 dB	
		(-60 ~ -80) dBm	0.16 dB	
		(-80 ~ -100) dBm	0.17 dB	
		(-100 ~ -120) dBm	0.18 dB	
		(4 ~ 8) GHz		
		(20 ~ 10) dBm	0.14 dB	
		(10 ~ 0) dBm	0.13 dB	
		(0 ~ -20) dBm	0.14 dB	
		(-20 ~ -40) dBm	0.15 dB	
		(-40 ~ -50) dBm	0.16 dB	
		(-50 ~ -70) dBm	0.17 dB	
		(-70 ~ -90) dBm	0.18 dB	
		(-90 ~ -100) dBm	0.19 dB	
		(-100 ~ -120) dBm	0.20 dB	
		(8 ~ 10) GHz		
		(20 ~ 10) dBm	0.15 dB	
		(10 ~ 0) dBm	0.14 dB	
		(0 ~ -20) dBm	0.15 dB	
		(-20 ~ -40) dBm	0.16 dB	
		(-40 ~ -50) dBm	0.17 dB	
		(-50 ~ -70) dBm	0.18 dB	
		(-70 ~ -90) dBm	0.19 dB	
		(-90 ~ -110) dBm	0.20 dB	
		(-110 ~ -120) dBm	0.21 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF signal generators	40640			Frequency Counter,
Output Level		(10 ~ 12) GHz		Power Meter, Power Sensor
		(20 ~ 10) dBm	0.16 dB	RF Spectrum Analyzer
		(10 ~ 0) dBm	0.15 dB	Sensor Module,
		(0 ~ -20) dBm	0.16 dB	Measuring Receiver
		(-20 ~ -40) dBm	0.17 dB	/KTICC-CI-40640
		(-40 ~ -50) dBm	0.18 dB	
		(-50 ~ -70) dBm	0.19 dB	
		(-70 ~ -90) dBm	0.20 dB	
		(-90 ~ -110) dBm	0.21 dB	
		(-110 ~ -120) dBm	0.22 dB	
		(12 ~ 18) GHz		
		(20 ~ 10) dBm	0.18 dB	
		(10 ~ 0) dBm	0.17 dB	
		(0 ~ -20) dBm	0.18 dB	
		(-20 ~ -40) dBm	0.19 dB	
		(-40 ~ -50) dBm	0.20 dB	
		(-50 ~ -70) dBm	0.21 dB	
		(-70 ~ -90) dBm	0.22 dB	
		(-90 ~ -100) dBm	0.23 dB	
		(-100 ~ -120) dBm	0.24 dB	
		(18 ~ 26.5) GHz		
		(20 ~ 10) dBm	0.25 dB	
		(10 ~ -10) dBm	0.24 dB	
		(-10 ~ -30) dBm	0.25 dB	
		(-30 ~ -40) dBm	0.26 dB	
		(-40 ~ -60) dBm	0.28 dB	
		(-60 ~ -80) dBm	0.29 dB	
		(-80 ~ -100) dBm	0.30 dB	
		(-100 ~ -120) dBm	0.31 dB	
		(26.5 ~ 40) GHz		
		(20 ~ -20) dBm	0.20 dB	
Frequency Modulation		Rate (0.01 ~ 100) kHz		
		(0 ~ 400) kHz	2.7×10^{-2}	
Amplitude Modulation		Rate (0.01 ~ 50) kHz		
		(0 ~ 99) %	2.7×10^{-2}	
Phase Modulation		Rate (0.05 ~ 100) kHz		
		(0 ~ 400) rad	4.2×10^{-2}	
Modulation Rate		10 Hz ~ 100 kHz	6.8×10^{-10}	
Harmonics		10 MHz ~ 3 GHz	0.4 dB	
		(3 ~ 8) GHz	0.5 dB	
		(8 ~ 12) GHz	0.6 dB	
		(12 ~ 20) GHz	0.8 dB	
		(20 ~ 26) GHz	1.0 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF spectrum analyzers	40641			Frequency standard,
Reference Frequency		(0.1 ~ 5 000) MHz	1.2×10^{-10}	Frequency counter,
		(5 ~ 26.5) GHz	1.3 Hz	Power sensor, Power meter,
				Sensor module, Attenuator,
Input Frequency		3 Hz ~ 5 GHz	1.2×10^{-10}	Measuring receiver,
		(5 ~ 40) GHz	1.3 Hz	Signal generator
				/KTICC-CI-40641
Calibrator Output		(0.1 MHz ~ 1 GHz)		
		(10 ~ -10) dBm	0.11 dB	
		(-10 ~ -30) dBm	0.12 dB	
Input Amplitude		(0 ~ -30) dB	0.06 dB	
		(-30 ~ -50) dB	0.07 dB	
		(-50 ~ -70) dB	0.08 dB	
		(-70 ~ -100) dB	0.09 dB	
		(-100 ~ -120) dB	0.10 dB	
Scale fidelity		(0 ~ -30) dB	0.06 dB	
		(-30 ~ -50) dB	0.07 dB	
		(-50 ~ -70) dB	0.08 dB	
		(-70 ~ -100) dB	0.09 dB	
Scale fidelity Switching		(0.1 ~ 10) dB	0.051 dB	
Frequency Response		10 Hz ~ 100 kHz	0.18 dB	
		100 kHz ~ 1 GHz	0.20 dB	
		(1 ~ 4) GHz	0.21 dB	
		(4 ~ 8) GHz	0.22 dB	
		(8 ~ 12) GHz	0.27 dB	
		(12 ~ 18) GHz	0.29 dB	
		(18 ~ 26.5) GHz	0.37 dB	
		(26.5 ~ 40) GHz	0.53 dB	
Absolute Amplitude		(0.1 ~ 1 000) MHz		
		(0 ~ -10) dBm	0.20 dB	
		(-10 ~ -40) dBm	0.21 dB	
		(-40 ~ -50) dBm	0.22 dB	
Frequency Span		1 kHz ~ 26.5 GHz	1.3×10^{-4}	
Resolution Bandwidth Accuracy		10 Hz ~ 10 MHz	1.1×10^{-3}	
RBW Selectivity		10 Hz ~ 10 MHz	0.2×10^{-2}	
RBW Switching Accuracy		10 Hz ~ 10 MHz	0.06 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF spectrum analyzers	40641			Frequency standard,
Input Attenuator and Switching		(0 ~ -30) dB	0.06 dB	Frequency counter,
		(-30 ~ -50) dB	0.07 dB	Power sensor, Power meter,
		(-50 ~ -70) dB	0.08 dB	Sensor module, Attenuator,
		(-70 ~ -100) dB	0.09 dB	Measuring receiver,
				Signal generator
Noise Sidebands		0.1 kHz ~ 10 MHz	0.15 dB	/KTICC-CI-40641
Display average noise level		30 Hz ~ 40 GHz	0.27 dB	
Surge generators	40643			Oscilloscope,
Output Voltage		(-20 ~ 20) kV	1.3×10^{-2}	High voltage probe,
				Current sensor
Front Time		0.1 μs	1.4×10^{-2}	/KTICC-CI-40643
(Rise Time)		(0.1 ~ 0.5) μs	1.1×10^{-2}	
		(0.5 ~ 1.2) μs	1.2×10^{-2}	
		(1.2 ~ 5) μs	1.1×10^{-2}	
		(5 ~ 10) μs	1.4×10^{-2}	
		(10 ~ 30) μs	9.3×10^{-3}	
Duration		10 μs	3.4×10^{-3}	
		(10 ~ 50) μs	3.8×10^{-3}	
		(50 ~ 700) μs	3.1×10^{-3}	
		(700 ~ 1 000) μs	3.4×10^{-3}	
		(1 000 ~ 3 000) μs	4.8×10^{-3}	
		(3 ~ 10) ms	3.4×10^{-3}	
		(10 ~ 50) ms	3.8×10^{-3}	
		(50 ~ 1 000) ms	3.4×10^{-3}	
		(1 000 ~ 3 000) ms	4.8×10^{-3}	
Frequency		(1 ~ 100) kHz	1.1×10^{-3}	
(Ring Wave)		(100 ~ 200) kHz	1.0×10^{-3}	
		200 kHz ~ 100 MHz	1.4×10^{-3}	
Output Current		(±)		
		(50 ~ 2 500) A	1.7×10^{-2}	
		(2 500 ~ 3 000) A	1.8×10^{-2}	
Front Time		1 μs	1.1×10^{-2}	
(Rise Time)		(1 ~ 5) μs	8.2×10^{-3}	
		(5 ~ 10) μs	1.1×10^{-2}	
Duration		10 μs	3.4×10^{-3}	
		(10 ~ 20) μs	6.0×10^{-3}	
		(20 ~ 100) μs	3.4×10^{-3}	
		(100 ~ 320) μs	5.6×10^{-3}	
		(320 ~ 400) μs	4.6×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
SWR meters	40644			Standard mismatch,
VSWR		(1.00 ~ 1.05)		Power sensor, Power meter,
		(0.05 ~ 2) GHz	0.059	Spectrum analyzer,
		(2 ~ 7) GHz	0.062	Frequency standard,
		(7 ~ 9) GHz	0.063	Frequency counter
		(9 ~ 11) GHz	0.062	/KTICC-CI-40644
		(11 ~ 12) GHz	0.063	
		(12 ~ 18) GHz	0.095	
		(1.05 ~ 1.20)		
		(0.05 ~ 1) GHz	0.071	
		(1 ~ 8) GHz	0.074	
		(8 ~ 12) GHz	0.085	
		(12 ~ 18) GHz	0.12	
		(1.20 ~ 1.50)		
		(0.05 ~ 1) GHz	0.095	
		(1 ~ 8) GHz	0.10	
		(8 ~ 12) GHz	0.11	
		(12 ~ 18) GHz	0.20	
		(1.50 ~ 2.00)		
		(0.05 ~ 1) GHz	0.14	
		(1 ~ 4) GHz	0.15	
		(4 ~ 12) GHz	0.16	
		(12 ~ 17) GHz	0.26	
		(17 ~ 18) GHz	0.27	
Output Power		(0.1 ~ 1 000) MHz		
		(10 ~ -10) dBm	0.11 dB	
		(-10 ~ -30) dBm	0.12 dB	
		(1 ~ 4) GHz		
		(10 ~ -10) dBm	0.12 dB	
		(-10 ~ -30) dBm	0.13 dB	
		(4 ~ 8) GHz		
		(10 ~ 0) dBm	0.14 dB	
		0 dBm	0.13 dB	
		(0 ~ -20) dBm	0.14 dB	
		(-20 ~ -30) dBm	0.15 dB	
		(8 ~ 10) GHz		
		(10 ~ 0) dBm	0.15 dB	
		0 dBm	0.14 dB	
		(0 ~ -20) dBm	0.15 dB	
		(-20 ~ -30) dBm	0.16 dB	
		(10 ~ 12) GHz		
		(10 ~ 0) dBm	0.16 dB	
		0 dBm	0.15 dB	
		(0 ~ -20) dBm	0.16 dB	
		(-20 ~ -30) dBm	0.17 dB	
		(12 ~ 18) GHz		
		(10 ~ 0) dBm	0.18 dB	
		0 dBm	0.17 dB	
		(0 ~ -20) dBm	0.18 dB	
		(-20 ~ -30) dBm	0.19 dB	
Frequency		(0.1 ~ 5 000) MHz	1.2×10^{-10}	
		(5 ~ 18) GHz	1.3 Hz	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
SWR meters	40644			Standard mismatch,
Loss		(1 ~ 3) dB		Power sensor, Power meter,
		(0.05 ~ 3) GHz	0.039 dB	Spectrum analyzer,
		(3 ~ 6) GHz	0.043 dB	Frequency standard,
		(6 ~ 10) GHz	0.048 dB	Frequency counter
		(10 ~ 15) GHz	0.057 dB	/KTICC-CI-40644
		(15 ~ 18) GHz	0.062 dB	
		(3 ~ 6) dB		
		(0.05 ~ 3) GHz	0.040 dB	
		(3 ~ 6) GHz	0.043 dB	
		(6 ~ 10) GHz	0.046 dB	
		(10 ~ 15) GHz	0.057 dB	
		(15 ~ 18) GHz	0.061 dB	
		(6 ~ 10) dB		
		(0.05 ~ 3) GHz	0.040 dB	
		(3 ~ 6) GHz	0.043 dB	
		(6 ~ 10) GHz	0.044 dB	
		(10 ~ 15) GHz	0.050 dB	
		(15 ~ 18) GHz	0.060 dB	
RF terminations	40645			Network analyzer,
VSWR		1.00		Calibration kit
		5 Hz ~ 0.1 MHz	0.014	/KTICC-CI-40645
		0.1 MHz ~ 2 GHz	0.015	
		(2 ~ 26.5) GHz	0.019	
		(26.5 ~ 40) GHz	0.030	
		(1 ~ 1.05)		
		5 Hz ~ 0.1 MHz	0.015	
		0.1 MHz ~ 2 GHz	0.016	
		(2 ~ 18) GHz	0.020	
		(18 ~ 26.5) GHz	0.021	
		(26.5 ~ 40) GHz	0.032	
		(1.05 ~ 1.10)		
		5 Hz ~ 0.1 MHz	0.016	
		0.1 MHz ~ 2 GHz	0.017	
		(2 ~ 26.5) GHz	0.022	
		(26.5 ~ 40) GHz	0.034	
		(1.10 ~ 1.20)		
		(5 ~ 100) Hz	0.018	
		100 Hz ~ 0.1 MHz	0.017	
		0.1 MHz ~ 2 GHz	0.019	
		(2 ~ 26.5) GHz	0.025	
		(26.5 ~ 40) GHz	0.039	
		(1.20 ~ 1.30)		
		(5 ~ 100) Hz	0.021	
		100 Hz ~ 0.1 MHz	0.020	
		0.1 MHz ~ 2 GHz	0.022	
		(2 ~ 26.5) GHz	0.028	
		(26.5 ~ 40) GHz	0.043	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF terminations	40645			Network analyzer,
VSWR		(1.30 ~ 1.50)		Calibration kit
		(5 ~ 100) Hz	0.026	/KTICC-CI-40645
		100 Hz ~ 0.1 MHz	0.024	
		0.1 MHz ~ 2 GHz	0.026	
		(2 ~ 8) GHz	0.035	
		(8 ~ 26.5) GHz	0.036	
		(26.5 ~ 40) GHz	0.055	
		(1.50 ~ 1.75)		
		(5 ~ 100) Hz	0.034	
		100 Hz ~ 0.1 MHz	0.031	
		0.1 MHz ~ 2 GHz	0.033	
		(2 ~ 8) GHz	0.047	
		(8 ~ 26.5) GHz	0.049	
		(26.5 ~ 40) GHz	0.071	
		(1.75 ~ 2.00)		
		(5 ~ 100) Hz	0.042	
		100 Hz ~ 0.1 MHz	0.037	
		0.1 MHz ~ 2 GHz	0.041	
		(2 ~ 8) GHz	0.060	
		(8 ~ 26.5) GHz	0.064	
		(26.5 ~ 40) GHz	0.091	
		(2.00 ~ 2.50)		
		(5 ~ 100) Hz	0.063	
		100 Hz ~ 0.1 MHz	0.054	
		0.1 MHz ~ 2 GHz	0.060	
		(2 ~ 7) GHz	0.094	
		(7 ~ 8) GHz	0.095	
		(8 ~ 26.5) GHz	0.10	
		(26.5 ~ 40) GHz	0.14	
		(2.50 ~ 3.00)		
		(5 ~ 100) Hz	0.089	
		100 Hz ~ 0.1 MHz	0.073	
		0.1 MHz ~ 2 GHz	0.082	
		(2 ~ 8) GHz	0.14	
		(8 ~ 26.5) GHz	0.15	
		(26.5 ~ 40) GHz	0.20	
Coaxial thermistor mounts	40646			Thermistor mount, Power meter,
Calibration Facor		10 μW ~ 10 mW		Network analyzer
		(0.01 ~ 2) GHz	1.2×10^{-2}	/KTICC-CI-40646
		(2 ~ 10) GHz	1.5×10^{-2}	
		(10 ~ 18) GHz	1.9×10^{-2}	
Transmission trouble testers	40648			Frequncy counter,
				Transmission analyazer
Output Bit rate		(0.05 ~ 5) GHz	1.4×10^{-10}	Frequency standard,
		(5 ~ 12.5) GHz	1.3 Hz	Signal generator
				/KTICC-CI-40648
Input Bit rate		(0.05 ~ 12.5) GHz	0.7 Hz	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
RF voltmeters	40650			Signal generator,
Ratio of voltage		(0.1 ~ 100) MHz	2.6×10^{-2}	TVC, Calibrator
and RF output voltage (F)		(100 ~ 1 000) MHz	1.2×10^{-2}	/KTICC-CI-40650
DC Input Voltage		(0 ~ 10) mV	7.8×10^{-5}	
		(10 ~ 100) mV	6.2×10^{-5}	
		(0.1 ~ 100) V	6.1×10^{-5}	
		(100 ~ 400) V	1.7×10^{-5}	
Vector voltmeters	40651			Signal generator,
Ratio of voltage		(0.1 ~ 100) MHz	2.6×10^{-2}	TVC
and RF output voltage (F)		(100 ~ 1 000) MHz	1.2×10^{-2}	/KTICC-CI-40651
Phase		(0 ~ 360)°	0.1°	
Field strength meters	40652			Power sensor
Frequency		(0.1 ~ 5 000) MHz	1.2×10^{-10}	Power meter, Frequency counter
		(5 ~ 18) GHz	1.3 Hz	Measuring receiver,
				Signal generator
Input Level		9 kHz ~ 0.1 MHz		/KTICC-CI-40652
		(20 ~ -40) dBm	0.08 dB	
		(0.1 ~ 1 000) MHz		
		(20 ~ 10) dBm	0.21 dB	
		(10 ~ 0) dBm	0.20 dB	
		(0 ~ -40) dBm	0.21 dB	
		(-40 ~ -60) dBm	0.22 dB	
		(-60 ~ -90) dBm	0.23 dB	
		(-90 ~ -110) dBm	0.24 dB	
		(-110 ~ -120) dBm	0.25 dB	
		(1 ~ 4) GHz		
		(20 ~ -20) dBm	0.21 dB	
		(-20 ~ -40) dBm	0.22 dB	
		(-40 ~ -70) dBm	0.23 dB	
		(-70 ~ -100) dBm	0.24 dB	
		(-100 ~ -120) dBm	0.25 dB	
		(4 ~ 8) GHz		
		(20 ~ -20) dBm	0.22 dB	
		(-20 ~ -40) dBm	0.23 dB	
		(-40 ~ -70) dBm	0.24 dB	
		(-70 ~ -100) dBm	0.25 dB	
		(-100 ~ -120) dBm	0.26 dB	
		(8 ~ 10) GHz		
		(20 ~ -20) dBm	0.27 dB	
		(-20 ~ -50) dBm	0.28 dB	
		(-50 ~ -80) dBm	0.29 dB	
		(-80 ~ -110) dBm	0.30 dB	
		(-110 ~ -120) dBm	0.31 dB	
		(10 ~ 12) GHz		
		(20 ~ 10) dBm	0.28 dB	
		(10 ~ 0) dBm	0.27 dB	
		(0 ~ -40) dBm	0.28 dB	
		(-40 ~ -60) dBm	0.29 dB	
		(-60 ~ -90) dBm	0.30 dB	
		(-90 ~ -120) dBm	0.31 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Field strength meters	40652			Power sensor
Input Level		(12 ~ 18) GHz		Power meter, Frequency counter
		(20 ~ -30) dBm	0.29 dB	Measuring receiver,
		(-30 ~ -50) dBm	0.30 dB	Signal generator
		(-50 ~ -80) dBm	0.31 dB	/KTICC-CI-40652
		(-80 ~ -100) dBm	0.32 dB	
		(-100 ~ -120) dBm	0.33 dB	
AM/FM test sources	40653			Frequency Counter,
Output Frequency		1 MHz ~ 1 GHz	1.2×10^{-10}	Measuring Receiver
				/KTICC-CI-40653
Residual FM		50 Hz ~ 3 kHz	5.6×10^{-2}	
Residual AM		50 Hz ~ 3 kHz	4.1×10^{-2}	
FM Distortion		(12.5 ~ 400) kHz	2.1×10^{-2}	
Dip simulators	40654			Oscilloscope, DMM,
Output Frequency		(50 ~ 60) Hz	6.3 mHz	High voltage probe
				/KTICC-CI-40654
Dip Voltage		(50 ~ 60) Hz		
		(0 ~ 120) V		
		(0 ~ 40) %	2.1×10^{-2}	
		(40 ~ 80) %	1.5×10^{-2}	
		(80 ~ 100) %	1.8×10^{-2}	
		(100 ~ 120) %	1.7×10^{-2}	
		(120 ~ 240) V		
		(0 ~ 40) %	2.1×10^{-2}	
		(40 ~ 80) %	1.5×10^{-2}	
		(80 ~ 100) %	1.8×10^{-2}	
		(100 ~ 120) %	1.6×10^{-2}	
		(240 ~ 380) V		
		(0 ~ 40) %	2.2×10^{-2}	
		(40 ~ 70) %	1.7×10^{-2}	
		(70 ~ 80) %	1.6×10^{-2}	
		(80 ~ 120) %	1.4×10^{-2}	
Dip Cycle		60 Hz		
		0.833 ms	4.1×10^{-3}	
		(0.833 ~ 1.67) ms	6.7×10^{-3}	
		(1.67 ~ 5.00) ms	3.8×10^{-3}	
		(5.00 ~ 8.33) ms	4.1×10^{-3}	
		(8.33 ~ 16.7) ms	6.7×10^{-3}	
		(16.7 ~ 83.3) ms	4.1×10^{-3}	
		(83.3 ~ 166.7) ms	6.7×10^{-3}	
		(166.7 ~ 417) ms	4.6×10^{-3}	
		(417 ~ 833) ms	4.1×10^{-3}	
		(0.833 ~ 1.67) s	6.7×10^{-3}	
		(1.67 ~ 5.00) s	3.8×10^{-3}	
		(5.00 ~8.33) s	4.1×10^{-3}	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Dip simulators	40654			Oscilloscope, DMM,
Dip Cycle		50 Hz		High voltage probe
		1 ms	4.8×10^{-3}	/KTICC-CI-40654
		(1 ~ 2) ms	6.0×10^{-3}	
		(2 ~ 6) ms	3.5×10^{-3}	
		(6 ~ 10) ms	3.4×10^{-3}	
		(10 ~ 20) ms	6.0×10^{-3}	
		(20 ~ 100) ms	3.4×10^{-3}	
		(100 ~ 200) ms	6.0×10^{-3}	
		(200 ~ 500) ms	3.8×10^{-3}	
		(0.5 ~ 1) s	3.4×10^{-3}	
		(1 ~ 2) s	6.0×10^{-3}	
		(2 ~ 6) s	3.5×10^{-3}	
		(6 ~ 10) s	3.4×10^{-3}	
Interval Cycle		60 Hz		
		8.33 ms	4.1×10^{-3}	
		(8.33 ~ 16.7) ms	6.7×10^{-3}	
		(16.7 ~ 83.3) ms	4.1×10^{-3}	
		(83.3 ~ 167) ms	6.7×10^{-3}	
		(167 ~ 417) ms	4.6×10^{-3}	
		(417 ~ 833) ms	4.1×10^{-3}	
		(0.833 ~ 1.67) s	6.7×10^{-3}	
		(1.67 ~ 5) s	3.8×10^{-3}	
		(5 ~ 8.33) s	4.1×10^{-3}	
		50 Hz		
		10 ms	3.4×10^{-3}	
		(10 ~ 20) ms	6.0×10^{-3}	
		(20 ~ 100) ms	3.4×10^{-3}	
		(100 ~ 200) ms	6.0×10^{-3}	
		(200 ~ 500) ms	3.8×10^{-3}	
		(0.5 ~ 1) s	3.4×10^{-3}	
		(1 ~ 2) s	6.0×10^{-3}	
		(2 ~ 6) s	3.5×10^{-3}	
		(6 ~ 10) s	3.4×10^{-3}	

407. Field strength & antenna

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Loop antennas	40704			Standard antenna
Antenna factor		20 Hz ~ 30 MHz	1.5 dB	Signal generator Spectrum analyzer, DMM /KTICC-CI-40704

501. Contact thermometry

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Temperature generators; ovens, furnaces, isothermal liquid baths, ice-point baths, dry-block calibrators	50101	(-80 ~ 0) ℃ 0 ℃ (0 ~ 500) ℃ (500 ~ 1100) ℃	0.02 ℃ 0.009 ℃ 0.02 ℃ 1.8 ℃	Digital thermometer, SPRT, Noble metal thermocouples /KTICC-CI-50101
Temperature indicators /recorders/controllers, temperature calibrators	50102	(-80 ~ 0) ℃ (0 ~ 500) ℃ (500 ~ 1100) ℃	0.07 ℃ 0.04 ℃ 1.4 ℃	Temperature simulation, Calibrators, SPRT Noble metal thermocouples /KTICC-CI-50102
Glass thermometers; liquid-in-glass, Beckmann Glass thermometers	50103	(-50 ~ 50) ℃ (50 ~ 400) ℃ (400 ~ 500) ℃	0.07 ℃ 0.04 ℃ 0.16 ℃	SPRT/KTICC-CI-50103
Resistance thermometers; SPRT, IPRT, thermistors, etc. SPRT, IPRT	50104	(-80 ~ 500) ℃	0.08 ℃	SPRT/KTICC-CI-50104
Thermal expansion thermometers; bimetal, gas or liquid type	50105	(-50 ~ 100) ℃ (100 ~ 200) ℃ (200 ~ 500) ℃	0.3 ℃ 0.6 ℃ 1.5 ℃	SPRT/KTICC-CI-50105
Thermomecouples; noble metal, base metal pure metal, special type, etc. Base metal	50106	(-80 ~ 0) ℃ (0 ~ 200) ℃ (200 ~ 500) ℃ (500 ~ 1100) ℃	0.12 ℃ 0.17 ℃ 0.41 ℃ 1.3 ℃	SPRT, Noble metal thermocouples /KTICC-CI-50106
Temperature transducers	50107	(-80 ~ 0) ℃ (0 ~ 200) ℃ (200 ~ 500) ℃ (500 ~ 1100) ℃	0.08 ℃ 0.06 ℃ 0.12 ℃ 0.85 ℃	SPRT, Noble metal thermocouples /KTICC-CI-50107
Others; quartz, semiconductivity, optical fiber, etc. Thermistor thermometer	50109	(-80 ~ 500) ℃	0.15 ℃	SPRT/KTICC-CI-50109

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Standard radiation thermometers Infrared	50204	 (0 ~ 500) ℃ (500 ~ 1000) ℃	 2.4 ℃ 3.5 ℃	Infrared thermometer /KTICC-CI-50204
Thermal image apparatus	50205	 (0 ~ 500) ℃ (500 ~ 1000) ℃	 2.8 ℃ 3.5 ℃	Infrared thermometer /KTICC-CI-50205
Blackbody furnaces	50206	 (0 ~ 500) ℃ (500 ~ 1000) ℃	 1.2 ℃ 1.6 ℃	Infrared thermometer /KTICC-CI-50206
Others; ear thermometers, etc. Ear thermometer	50207	 (20 ~ 40) ℃	 1.3 ℃	Black Body/KTICC-CI-50207

503. Humidity

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Relative humidity hygrometers; polimer thin film, hair, etc. Humidity	50302	 (5 ~ 15) % R.H. (15 ~ 30) % R.H. (30 ~ 50) % R.H. (50 ~ 70) % R.H. (70 ~ 95) % R.H.	 2.3 % R.H. 1.1 % R.H. 1.3 % R.H. 1.6 % R.H. 1.9 % R.H.	Dew point hygrometer /KTICC-CI-50302
Temperature		(-40 ~ 80) ℃	0.8 ℃	
Temperature humidity recorders; Hygrothermograph, etc. Humidity	50304	 (5 ~ 15) % R.H. (15 ~ 30) % R.H. (30 ~ 50) % R.H. (50 ~ 70) % R.H. (70 ~ 90) % R.H. (90 ~ 95) % R.H.	 2.7 % R.H. 1.8 % R.H. 2.0 % R.H. 2.2 % R.H. 2.5 % R.H. 2.6 % R.H.	Dew point hygrometer /KTICC-CI-50304
Temperature		(-40 ~ 80) ℃	0.8 ℃	
Transducers; dew-point/relative humidity Humidity	50305	 (5 ~ 15) % R.H. (15 ~ 30) % R.H. (30 ~ 50) % R.H. (50 ~ 70) % R.H. (70 ~ 90) % R.H. (90 ~ 95) % R.H.	 2.6 % R.H. 1.7 % R.H. 1.9 % R.H. 2.2 % R.H. 2.4 % R.H. 2.5 % R.H.	Dew point hygrometer /KTICC-CI-50305
Humidity generators; two-pressure, two-temperature, flow mixing humidity gererator, constant temperature and humidity chamber, etc. Humidity	50306	 (5 ~ 20) % R.H. (20 ~ 40) % R.H. (40 ~ 60) % R.H. (60 ~ 80) % R.H. (80 ~ 95) % R.H.	 1.5 % R.H. 2.2 % R.H. 2.8 % R.H. 3.7 % R.H. 4.4 % R.H.	Dew point hygrometer /KTICC-CI-50306
Temperature		(-75 ~ 100) ℃ (100 ~ 150) ℃ (150 ~ 180) ℃	0.8 ℃ 1.1 ℃ 1.4 ℃	

601. Sound in air

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Sound level meters	60106			Sound calibrator /KTICC-CI-60106
		31.5 Hz	0.4 dB	
		63 Hz	0.3 dB	
		125 Hz	0.3 dB	
		250 Hz	0.2 dB	
		500 Hz	0.2 dB	
		1 kHz	0.2 dB	
		2 kHz	0.2 dB	
		4 kHz	0.2 dB	
		8 kHz	0.4 dB	
		12.5 kHz	0.6 dB	

603. Vibration

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Vibration calibrators	60301			Accelerometer
Acceleration		10 Hz	2.4×10^{-2}	/KTICC-CI-60301
		(10 ~ 315) Hz	1.6×10^{-2}	
		(315 ~ 1 250) Hz	2.0×10^{-2}	
Vibration transducers	60302			Accelerometer
Sensitivity		10 Hz	1.7×10^{-2}	/KTICC-CI-60302
		(10 ~ 20) Hz	1.7×10^{-2}	
		(20 ~ 315) Hz	1.6×10^{-2}	
		(315 ~ 2 500) Hz	2.0×10^{-2}	
		(2 500 ~ 5 000) Hz	2.1×10^{-2}	
Vibration measuring instruments	60303			Accelerometer /KTICC-CI-60303
Acceleration		10 Hz	1.7×10^{-2}	
		(10 ~ 20) Hz	1.7×10^{-2}	
		(20 ~ 315) Hz	1.6×10^{-2}	
		(315 ~ 1 250) Hz	2.0×10^{-2}	
		(1 250 ~ 5 000) Hz	2.1×10^{-2}	
Velocity		10 Hz	1.7×10^{-2}	
		(10 ~ 20) Hz	1.7×10^{-2}	
		(20 ~ 160) Hz	1.6×10^{-2}	
		(160 ~ 315) Hz	1.7×10^{-2}	
		(315 ~ 630) Hz	2.3×10^{-2}	
		(630 ~ 1 250) Hz	2.0×10^{-2}	
		(1 250 ~ 2 500) Hz	2.1×10^{-2}	
Displacement		10 Hz	1.6×10^{-2}	
		(10 ~ 20) Hz	1.6×10^{-2}	
		(20 ~ 80) Hz	1.5×10^{-2}	
		(80 ~ 100) Hz	1.6×10^{-2}	
		(100 ~ 160) Hz	1.7×10^{-2}	
		(160 ~ 315) Hz	1.6×10^{-2}	
		(315 ~ 630) Hz	2.2×10^{-2}	
		(630 ~ 1 000) Hz	3.1×10^{-2}	
		(1 000 ~ 1 250) Hz	4.2×10^{-2}	

701. Photometry

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Iluminance meters	70101			Luminous intensity Standard lamp /KTICC-CI-70101
		0.5 lx	3.2×10^{-2}	
		(0.5 ~ 5) lx	2.4×10^{-2}	
		(5 ~ 10) lx	2.0×10^{-2}	
		(10 ~ 50) lx	2.2×10^{-2}	
		(50 ~ 100) lx	1.8×10^{-2}	
		(100 ~ 500) lx	2.0×10^{-2}	
		(500 ~ 1 000) lx	2.1×10^{-2}	
		(1 000 ~ 1 500) lx	2.2×10^{-2}	
		(1 500 ~ 3 000) lx	2.6×10^{-2}	
		(3 000 ~ 20 000) lx	2.9×10^{-2}	

704. Fiber optics

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Broadband light sources	70402			Optical spectrum analyzers Optical multimeters /KTICC-CI-70402
Wavelength		(600 ~ 1 700) nm	0.082 nm	
Optical power		1 310 nm, 1 550 nm (-50 ~ 0) dBm	0.05 dB	
Optical attenuators	70410			Optical power stabilized lasers and LDs Optical multimeters /KTICC-CI-70410
Optical attenuation		1 310 nm, 1 550 nm, 1 625 nm (-60 ~ 0) dB	0.06 dB	
Optical couplers	70411			Optical power stabilized lasers and LDs Optical multimeters /KTICC-CI-70411
Division Ratio		1 310 nm	1.1×10^{-2}	
		1 550 nm	1.1×10^{-2}	
Optical loss Testers	70413			Optical power stabilized lasers and LDs Optical multimeters Optical attenuators Optical spectrum analyzers Multi-laser wavelength meters /KTICC-CI-70413
Wavelength		(600 ~ 1 700) nm	2.2×10^{-7}	
Output Optical Power		1 310 nm, 1 550 nm (-50 ~ 0) dBm	0.05 dB	
Input Optical Power		1 310 nm, 1 550 nm (-60 ~ 0) dBm	0.06 dB	
Linearity		1 310 nm, 1 550 nm (-60 ~ 0) dB	0.06 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Optical multimeters	70415			Optical power stabilized lasers and LDs
Absolute Optical Power		1 310 nm, 1 550 nm		Optical multimeters
		(-60 ~ 0) dBm	0.06 dB	Optical attenuators
		1 625 nm		/KTICC-CI-70415
		(-60 ~ -5) dBm	0.06 dB	
Linearity		1 310 nm, 1 550 nm		
		(-60 ~ 0) dB	0.06 dB	
		1 625 nm		
		(-55 ~ 0) dB	0.06 dB	
Optical network analyzers	70416			Optical multimeters
Optical multimeters				Optical spectrum analyzers
Input Optical Power		1 310 nm, 1 550 nm		Optical attenuators
		(-60 ~ 0) dBm	0.06 dB	OTDR
				Wavelength meters, Multi laser
Optical spectrum analyzers				Return loss test sets
Wavelength		(1 310 ~ 1 575) nm	0.058 nm	/KTICC-CI-70416
Resolution		1 310 nm, 1 550 nm		
		(0.1 ~ 1) nm	0.058 nm	
Input Optical Power		1 310 nm, 1 550 nm		
		(-60 ~ 0) dBm	0.06 dB	
Optical attenuators				
Level		1 310 nm, 1 550 nm		
		(-60 ~ 0) dBm	0.06 dB	
OTDR				
Length		1 310 nm		
		2.7 km Fiber	0.088 m	
		13 km Fiber	0.33 m	
		1 550 nm		
		2.7 km Fiber	0.088 m	
		13 km Fiber	0.34 m	
Attenuation		1 310 nm		
		2.7 km Fiber	0.04 dB	
		1 310 nm		
		13 km Fiber	0.08 dB	
		1 550 nm		
		2.7 km Fiber	0.05 dB	
		1 550 nm		
		13 km Fiber	0.07 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Optical network analyzers Wavelength Meters, Multi laser	70416			Optical multimeters Optical spectrum analyzers
Wavelength		1 310 nm	2.7 pm	Optical attenuators
		1 460 nm	1.7 pm	OTDR
		1 500 nm	1.7 pm	Wavelength meters, Multi laser
		1 531.591 0 nm	0.35 pm	Return loss test sets
		1 531.587 8 nm	0.35 pm	/KTICC-CI-70416
		1 531.584 8 nm	0.35 pm	
		1 550 nm	2.7 pm	
		1 580 nm	1.7 pm	
Input Optical Power		1 310 nm, 1 550 nm (-60 ~ 0) dBm	0.06 dB	
Return loss test				
Return Loss		1 310 nm, 1 550 nm		
		(20 ~ 30) dB	0.5 dB	
		(30 ~ 40) dB	0.6 dB	
Ethernet Tester				
Interface		(1 ~ 100) MHz	1.3×10^{-10}	
Wavelength		(600 ~ 1 640) nm	0.082 nm	
Output Optical Power		1 310 nm, 1 550 nm (0 ~ -60) dBm	0.05 dB	
Sensitivity		1 310 nm, 1 550 nm	0.06 dB	
Optical spectrum analyzers	70417			Optical power stabilized lasers and LDs
Wavelength		(600 ~ 1 640) nm	0.058 nm	Optical multimeters Optical attenuators
Resolution		1 310 nm, 1 550 nm (0.1 ~ 1) nm	0.058 nm	/KTICC-CI-70417
Input Optical Power		1 310 nm, 1 550 nm (-60 ~ 0) dBm	0.06 dB	
Linearity		1 310 nm, 1 550 nm (-60 ~ 0) dB	0.06 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Optical time domain reflectometers; OTDR	70418			Optical length standard Optical fiber
Length		1 310 nm		Loss standard optical fiber
		2.7 km Fiber	0.066 m	/KTICC-CI-70418
		13 km Fiber	0.34 m	
		1 550 nm		
		2.7 km Fiber	0.072 m	
		13 km Fiber	0.32 m	
Attenuation		1 310 nm		
		2.7 km Fiber	0.10 dB	
		1 310 nm		
		13 km Fiber	0.15 dB	
		1 550 nm		
		2.7 km Fiber	0.06 dB	
		1 550 nm		
		13 km Fiber	0.14 dB	
PDH/SDH analyzers	70419			Optical multimeters
Bit rate		DS1 (1.544 MHz) ~		Optical spectrum analyzers
		STM-64 (9.953 28 GHz)	1.3×10^{-10}	Optical attenuators
				PDH/SDH analyzers
Output Jitter		DS1 (10 Hz to 40 kHz)	15 ns	General frequency sources
		DS1 (8 kHz to 40 kHz)	15 ns	Frequency meters/counters
		E1 (20 Hz to 100 kHz)	11 ns	/KTICC-CI-70419
		E1 (18 kHz to 100 kHz)	11 ns	
		DS3 (10 Hz to 400 kHz	0.78 ns	
		DS3 (30 kHz to 400 kHz)	0.78 ns	
		STM-1 (12 kHz to 1.3 MHz)	0.37 ns	
		STM-4 (12 kHz to 5 MHz)	0.13 ns	
		STM-16 (13 kHz to 20 MHz)	0.032 ns	
Smsr		STM-1 (155.52 MHz) ~		
		STM-64 (9.953 28 GHz)	0.08 dB	
Optical Power		STM-1 (155.52 MHz) ~		
		STM-64 (9.953 28 GHz)	0.05 dB	
Extinction Ratio		STM-1 (155.52 MHz) ~		
		STM-64 (9.953 28 GHz)	0.2 dB	
Sensitivity		STM-1 (155.52 MHz) ~		
		STM-64 (9.953 28 GHz)	0.05 dB	
Reflectance		STM-1 (155.52 MHz) ~		
		STM-16 (2.488 32 GHz)	0.8 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
PDH/SDH analyzers Jitter Generator & Analyzers	70419	DS1 (1.544 MHz), 1 kHz 0.77 UIp-p 1.80 UIp-p 4.80 UIp-p 8.80 UIp-p E1 (2.048 MHz), 2.4 kHz 0.77 UIp-p 1.80 UIp-p 4.80 UIp-p 8.80 UIp-p DS3 (44.736 MHz), 4 kHz 0.77 UIp-p 1.80 UIp-p 4.80 UIp-p 8.80 UIp-p STM-1 (155.52 MHz) 65 kHz / 0.20 UIp-p 650 kHz / 0.20 UIp-p 6.5 kHz / 0.91 UIp-p 4 kHz / 3.52 UIp-p 2.5 kHz / 7.52 UIp-p STM-4 (622.08 MHz) 65 kHz / 0.20 UIp-p 650 kHz / 0.20 UIp-p 6.5 kHz / 0.91 UIp-p 4 kHz / 3.52 UIp-p 2.5 kHz / 7.52 UIp-p STM-16 (2.488 32 GHz) 65 kHz / 0.20 UIp-p 650 kHz / 0.20 UIp-p 6.5 kHz / 0.91 UIp-p 4 kHz / 3.52 UIp-p 2.5 kHz / 7.52 UIp-p	 56 ns 0.17 μs 0.33 μs 0.54 μs 42 ns 0.13 μs 0.25 μs 0.40 μs 2.6 ns 6.7 ns 14 ns 23 ns 0.48 ns 0.49 ns 0.85 ns 2.6 ns 4.7 ns 0.16 ns 0.17 ns 0.25 ns 0.64 ns 1.7 ns 0.042 ns 0.051 ns 0.062 ns 0.18 ns 0.38 ns	Optical multimeters Optical spectrum analyzers Optical attenuators PDH/SDH analyzers General frequency sources Frequency meters/counters /KTICC-CI-70419
Return loss meters Return Loss	70423	1 310 nm, 1 550 nm (20 ~ 30) dB (30 ~ 40) dB	 0.5 dB 0.6 dB	Return loss generator /KTICC-CI-70423

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
SDH/SONET analyzers	70424			Optical multimeters
Bit Rate		STM-1 (155.52 MHz) ~ STM-64 (9.953 28 GHz)	1.3×10^{-10}	Optical spectrum analyzers Optical attenuators PDH/SDH analyzers
Output Jitter		STM-1 (12 kHz to 1.3 MHz) STM-4 (12 kHz to 5 MHz) STM-16 (13 kHz to 20 MHz)	0.37 ns 0.13 ns 0.032 ns	General frequency sources Frequency meters/counters /KTICC-CI-70424
Smsr		STM-1 (155.52 MHz) ~ STM-64 (9.953 28 GHz)	0.08 dB	
Optical Power		STM-1 (155.52 MHz) ~ STM-64 (9.953 28 GHz)	0.05 dB	
Extinction Ratio		STM-1 (155.52 MHz) ~ STM-64 (9.953 28 GHz)	0.2 dB	
Sensitivity		STM-1 (155.52 MHz) ~ STM-16 (2.488 32 GHz)	0.05 dB	
Reflectance		STM-1 (155.52 MHz) ~ STM-16 (2.488 32 GHz)	0.8 dB	
Jitter Generator & Analyzers		STM-1 (155.52 MHz) 65 kHz / 0.20 UIp-p 650 kHz / 0.20 UIp-p 6.5 kHz / 0.91 UIp-p 4 kHz / 3.52 UIp-p 2.5 kHz / 7.52 UIp-p STM-4 (622.08 MHz) 65 kHz / 0.20 UIp-p 650 kHz / 0.20 UIp-p 6.5 kHz / 0.91 UIp-p 4 kHz / 3.52 UIp-p 2.5 kHz / 7.52 UIp-p STM-16 (2.488 32 GHz) 65 kHz / 0.20 UIp-p 650 kHz / 0.20 UIp-p 6.5 kHz / 0.91 UIp-p 4 kHz / 3.52 UIp-p 2.5 kHz / 7.52 UIp-p	 0.48 ns 0.49 ns 0.85 ns 2.6 ns 4.7 ns 0.16 ns 0.17 ns 0.25 ns 0.64 ns 1.7 ns 0.042 ns 0.051 ns 0.062 ns 0.18 ns 0.38 ns	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Multi-laser wavelength meters	70426			Frequency stabilized lasers and LDs
Wavelength		1 310 nm	2.7 pm	Optical multimeters
		1 460 nm	1.7 pm	/KTICC-CI-70426
		1 500 nm	1.7 pm	
		1 531.591 0 nm	0.35 pm	
		1 531.587 8 nm	0.35 pm	
		1 531.584 8 nm	0.35 pm	
		1 550 nm	2.7 pm	
		1 580 nm	1.7 pm	
Input Optical Power		1 310 nm, 1 550 nm (-60 ~ 0) dBm	0.05 dB	
Wavelength sweep multichannel measuring systems	70427			Optical power stabilized lasers and LDs Optical multimeters Optical attenuators
Input Optical Power		1 310 nm, 1 550 nm (-60 ~ 0) dBm	0.06 dB	/KTICC-CI-70427
Frequency stabilized lasers and LDs	70429			Optical spectrum analyzers
Wavelength		(1 260 ~ 1 640) nm	1.2 pm	Optical multimeters
				/KTICC-CI-70429
Output Optical Power		1 310 nm, 1 550 nm (-50 ~ 0) dBm	0.05 dB	
Linearity		1 310 nm, 1 550 nm (-50 ~ 0) dB	0.05 dB	
ASE light sources	70430			Optical spectrum analyzers
Wavelength		(600 ~ 1 700) nm	0.082 nm	Optical multimeters
				/KTICC-CI-70430
Output Optical Power		1 310 nm, 1 550 nm (-50 ~ 0) dBm	0.05 dB	
Optical power stabilized lasers and LDs	70433			Multi-laser wavelength meters Optical multimeters
Wavelength		(1 300 ~ 1 640) nm	2.2×10^{-7}	Optical spectrum analyzers
				/KTICC-CI-70433
Output Optical Power		1 310 nm, 1 550 nm (-50 ~ 0) dBm	0.05 dB	
		1 625 nm (-50 ~ -5) dBm	0.05 dB	
Light sources, LED				
Wavelength		(600 ~ 1 640) nm	0.082 nm	
Output Optical Power		1 310 nm, 1 550 nm (-50 ~ 0) dBm	0.05 dB	

Measured Quantity Instrument or Gauge	Field Code	Range	CMC (The Confidence Level is about 95 %)	Comments
Gas analyzers	90103			Standard gas
O_2		(0 ~ 18) %mol/mol	0.37 % (mole fraction)	/KTICC-CI-90103
CO		(0 ~ 100) μmol/mol	2.1 μmol/mol	
CH_4		(0 ~ 2) %mol/mol	0.03 % (mole fraction)	
H_2S		(0 ~ 30) μmol/mol	0.89 μmol/mol	