

EVALUATION REPORT

Applicant Name:
LG Electronics Inc.

Date of Issue:
February 24, 2025

Address:
128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic
of Korea

Location:
HCT CO., LTD.,
74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si,
Gyeonggi-do, Republic of Korea

FCC ID: **BEJTM15FNEUJL1**

APPLICANT: **LG Electronics Inc.**

Equipment Class(es) : PCB
FCC Rule(s): §22, §24, §27, §90
Application's Statement : The applicant takes full responsibility that the test data referenced below
Represents compliance for this FCC ID.
Test Reference : KDB 484596 D01 Reference Test Data v02r03

The detail test data can be found in this documents, Appendix A.

Category	Spot Check	Verdict
Licensed EMC	ERP / EIRP	Share
	RSE	Share

The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the Cross Reference Table. The detail test data can be found in this documents, Appendix A.



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Approved by : Jong Seok Lee

Manager of Telecommunication testing center

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	February 24, 2025	Initial Release

1. Cross Reference Table (Licensed EMC)

1) Data referencing band

- 2G3G: GSM850, GSM1900, WCDMA B2, WCDMA B4, WCDMA B5

- 4G: LTE B7, LTE B12(17), LTE B13, LTE B14, LTE B25(2), LTE B26(5)(Part22), LTE B26(Part90), LTE B41(38), LTE B42, LTE B66(4)

- 5G: NR n7, NR n12, NR n13, NR n14, NR n25(2), NR n26(5)(Part22), NR n26(Part90), NR n41(38), NR n66, NR n71, NR n77(78)

Rule Part	Test item	Data Referencing	Comments
§2.1049	Occupied Bandwidth	Y	-
§2.1051, §22.917(a)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§22.913(d)	Peak- to- Average Ratio	Y	-
§2.1055, §22.355	Frequency stability / variation of ambient temperature	Y	-
§22.913(a)(5)	Effective Radiated Power	Y	Spot-check
§2.1053, §22.917(a)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§2.1051, §24.238(a)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§24.232(d)	Peak- to- Average Ratio	Y	-
§24.235	Frequency stability	Y	-
§24.232(c)	Equivalent Isotropic Radiated Power	Y	Spot-check
§2.1053, §24.238(a)	Radiated Spurious Emissions	Y	Spot-check
§2.1051, §27.53(m)(4)	Block Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§2.1051, §27.53(h)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	-
§27.50(d)(5)	Peak- to- Average Ratio	Y	-
§27.50(d)(4)	Equivalent Isotropic Radiated Power	Y	Spot-check
§2.1053, §27.53(h)	Radiated Spurious Emissions	Y	Spot-check
§2.1051, §90.543(e)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§2.1055, §90.539(e)	Frequency stability / variation of ambient temperature	Y	-
§90.542(a)(7)	Effective Radiated Power Equivalent Isotropic Radiated Power	Y	Spot-check
§2.1053, §90.543(e)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§2.1051, §27.53(c)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§2.1055, § 27.54	Frequency stability / variation of ambient temperature	Y	-

Rule Part	Test item	Data Referencing	Comments
§27.50(b)(10)	Effective Radiated Power Equivalent Isotropic Radiated Power	Y	Spot-check
§2.1053, §27.53(c)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§2.1051, §27.53(g)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§27.50(c)(10)	Effective Radiated Power Equivalent Isotropic Radiated Power	Y	Spot-check
§2.1053, §27.53(g)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§2.1051, §27.53(m)(4)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	-
§2.1055, §27.54	Frequency stability / variation of ambient temperature	Y	-
§27.50(h)(2)	Effective Radiated Power Equivalent Isotropic Radiated Power	Y	Spot-check
§2.1053, §27.53(m)(4)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§2.1051, §90.691	Channel Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	-
§2.1051, §22.917(a)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	-
§2.1055, §90.213 §22.355	Frequency stability / variation of ambient temperature	Y	-
§22.913(a)(5)	Effective Radiated Power Equivalent Isotropic Radiated Power	Y	Spot-check
§2.1053, §90.691 §22.917(a)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§2.1051, §27.53(n)(2), §27.53(l)(2)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	-
§27.50(k)(4), §27.50(j)(4)	Peak- to- Average Ratio	Y	-
§2.1055, §27.54	Frequency stability / variation of ambient temperature	Y	-
§27.50(k)(3), §27.50(j)(3)	Effective Radiated Power Equivalent Isotropic Radiated Power	Y	Spot-check
§2.1051, §27.53(n)(2), §27.53(l)(2)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§2.1046	Conducted Output Power	Y	-

Appendix A. The Spot check test data

1. Summary of the spot check for Licensed EMC

1.1 EFFECTIVE RADIATED POWER

Mode	Ch./ Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBd)	C.L	Pol.	Limit	ERP	
	channel	Freq.(MHz)						W	W	dBm
Sub6 n12	140300	701.50	-27.75	32.09	-9.65	1.29	H	< 3.00	0.130	21.15
Sub6 n13	156900	784.50	-31.35	30.94	-9.95	1.40	H		0.091	19.59
Sub6 n14	158600	793.00	-30.90	31.66	-10.05	1.42	H		0.104	20.19
Sub6 n71	137600	688.00	-27.01	33.18	-9.65	1.29	H		0.167	22.24

Mode	Ch./ Freq.		Measured (dBμV/m)	Ant Factor + Distance Factor(dB)	C.L + Thru(dB)	Total (dBμV/m)	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
LTE B12(17)	23025	700.5	93.95	26.80	1.10	121.85	H	< 3.00	0.282	24.50
LTE B13	23230	782	93.75	28.10	1.10	122.95	H		0.363	25.60
LTE B14	23305	790.5	92.90	28.20	1.11	122.21	H		0.306	24.86

Mode	Ch./ Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBd)	C.L	Pol.	Limit	ERP	
	channel	Freq.(MHz)						W	W	dBm
Sub6 n26(5)(Part22)	167800	839.00	-27.78	35.24	-9.85	1.45	H	< 7.00	0.248	23.94
Sub6 n26(Part90)	164300	821.50	-27.78	35.32	-9.95	1.44	H		0.247	23.93
Sub6 n26(Part90) (Straddle)	164800	824.00	-28.03	34.97	-9.95	1.44	H		0.228	23.58

Mode	Ch./ Freq.		Measured (dBμV/m)	Ant Factor + Distance Factor(dB)	C.L + Thru(dB)	Total (dBμV/m)	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
GSM850	128	824.2	91.26	28.50	1.14	120.90	H	< 7.00	1.901	32.79
WCDMA850	4132	826.4	91.41	28.50	1.14	121.05	H		0.385	25.85
LTE B26(5) (Part22)	26840	829	93.06	28.50	1.14	122.70	H		0.562	27.50
LTE B26 (Part90)	26765	821.5	93.10	28.40	1.14	122.64	H		0.554	27.44
LTE B26 (Part90) (Straddle)	26790	824	93.46	28.50	1.14	123.10	H		0.616	27.90

Mode	Frequency (MHz)		Mode	BEJTM15FNEUJL0 (dBm)	BEJTM15FNEUJL1 (dBm)	Deviation (dB)
	MHz	Ch.				
GSM850	824.20	128	VOICE	34.90	32.79	2.11
WCDMA850	826.40	4132	RMC	25.92	25.85	0.07
LTE B12(17) (B.W 3 MHz)	700.50	23025	QPSK	24.48	24.50	0.02
LTE B13 (B.W 10 MHz)	782.00	23230	QPSK	25.68	25.60	0.08
LTE B14 (B.W 5 MHz)	790.50	23305	QPSK	25.53	24.86	0.67
LTE B26(5)(Part22) (B.W 10 MHz)	829.00	26840	QPSK	27.61	27.50	0.11
LTE B26(Part90) (B.W 10 MHz)	829.00	26765	QPSK	27.68	27.44	0.24
LTE B26 (Part90_Straddle) (B.W 10 MHz)	829.00	26790	QPSK	27.63	27.90	0.27
Sub6 n12 (B.W 5 MHz)	701.50	140300	PI/2 BPSK	22.53	21.15	1.38
Sub6 n13 (B.W 5 MHz)	784.50	156900	PI/2 BPSK	22.42	19.59	2.83
Sub6 n14 (B.W 10 MHz)	793.00	158600	PI/2 BPSK	22.74	20.19	2.55
Sub6 n26(5)(Part22) (B.W 20 MHz)	839.00	167800	PI/2 BPSK	24.26	23.94	0.32
Sub6 n26(Part90) (B.W 5 MHz)	821.50	164300	PI/2 BPSK	23.71	23.93	0.22
Sub6 n26(Part90) (Straddle) (B.W 15 MHz)	824.00	164800	PI/2 BPSK	23.98	23.58	0.40
Sub6 n71 (B.W 20 MHz)	688.00	137600	PI/2 BPSK	23.88	22.15	1.73

1.2 EQUIVALENT ISOTROPIC RADIATED POWER

Mode	Ch./ Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
Sub6 n7	507000	2535.00	-19.50	19.34	10.25	2.54	H	< 2.00	0.507	27.05
Sub6 n25	374000	1870.00	-16.35	18.94	10.13	2.16	H		0.491	26.91
Sub6 n41(38)	518598	2592.99	-20.26	18.75	10.30	2.55	H		0.447	26.50

Mode	Ch./ Freq.		Measured (dBμV/m)	Ant Factor + Distance Factor(dB)	C.L + Thru(dB)	Total (dBμV/m)	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
GSM1900	661	1880.0	85.31	27.64	2.93	115.88	H	< 2.00	0.982	29.92
WCDMA1900	9400	1880.0	93.02	27.64	2.93	123.59	H		0.690	28.39
LTE B7	21100	2535	90.62	29.74	3.50	123.86	H		0.734	28.66
LTE B25(2)	26675	1913.5	93.26	27.64	2.93	123.83	H		0.729	28.63
LTE B41(38)	40620	2593	81.66	29.94	3.55	115.15	H		0.247	23.93

Mode	Ch./ Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
Sub6 n66	355500	1777.50	-17.92	16.73	10.07	2.09	H	< 1.00	0.296	24.71
Sub6 n77(78) (3450 - 3550 MHz)	633334	3500.01	-27.33	13.54	11.59	3.04	H		0.162	22.09
Sub6 n77(78) (3700 - 3980 MHz)	656000	3840.00	-28.86	14.14	11.25	3.20	H		0.166	22.19

Mode	Ch./ Freq.		Measured (dBμV/m)	Ant Factor + Distance Factor(dB)	C.L + Thru(dB)	Total (dBμV/m)	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
WCDMA1700	1513	1752.6	91.58	26.84	2.74	121.16	H	< 1.00	0.394	25.96
LTE B42	42190	3460	79.85	31.54	4.06	115.45	H		0.265	24.23
LTE B66(4)	132657	1778.5	90.86	26.84	2.83	120.53	H		0.341	25.33

Modulation	Frequency		Mode	BEJTM15FNEUJL0 (dBm)	BEJTM15FNEUJL1 (dBm)	Deviation (dB)
	MHz	Ch.				
GSM1900	1880.0	661	VOICE	30.78	29.92	0.86
WCDMA1900	1880.0	9400	RMC	28.65	28.39	0.26
WCDMA1700	1752.6	1513	RMC	26.00	25.96	0.04
LTE 7 (B.W 20 MHz)	2535	21100	QPSK	27.86	28.66	0.80
LTE 25(2) (B.W 3 MHz)	1913.5	26675	QPSK	28.52	28.63	0.11
LTE 41(38) (B.W 5 MHz)	2593	40620	QPSK	25.53	23.93	1.60
LTE 42 (B.W 20 MHz)	3460	42190	QPSK	25.08	24.23	0.85
LTE B66(4) (B.W 3 MHz)	1778.5	132657	QPSK	27.46	25.33	2.13
Sub6 n7 (B.W 30 MHz)	2535.00	507000	PI/2 BPSK	28.21	27.05	1.16
Sub6 n25(2) (B.W 40 MHz)	1870.00	374000	PI/2 BPSK	28.07	26.91	1.16
Sub6 n41(38) (B.W 100 MHz)	2592.99	518598	PI/2 BPSK	26.78	26.50	0.28
Sub6 n66 (B.W 5 MHz)	1777.50	355500	PI/2 BPSK	27.05	24.71	2.34
Sub6 n77(78) (3450 – 3550 MHz) (B.W 100 MHz)	3500.01	633334	PI/2 BPSK	21.72	22.09	0.37
Sub6 n77(78) (3700 - 3980 MHz) (B.W 100 MHz)	3840.00	656000	PI/2 BPSK	22.00	22.19	0.19

1.3 RADIATED SPURIOUS EMISSIONS

Mode, Channel, (Frequency)	Freq.(MHz)	Measured Level (dBμV)	Ant Factor + Distance Factor(dB)	C.L+ H.P.F+ Amp Gain (dB)	Total (dBμV/m)	Pol.	Result (dBm)
GSM850 CH 251 (848.8)	1 697.60	67.07	27.04	43.58	50.53	H	-44.67
GSM1900 CH 512 (1850.2)	9 251.00	46.41	40.44	33.12	53.73	H	-41.47
WDM850 CH 4233 (846.6)	5 079.60	49.47	35.04	39.01	45.50	H	-49.70
WDM1900 CH 9400 (1880.0)	11 280.00	44.65	40.84	30.78	54.71	H	-40.49
WDM1700 CH 1312 (1712.4)	10 274.40	46.21	40.84	32.73	54.32	H	-40.88

Mode, Channel, (Frequency)	Freq. (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm]	C.L	Pol.	Result (dBm)
LTE B7 CH 21100 (2530.59)	15 183.54	-67.19	14.81	-48.77	6.81	H	-40.77
LTE B12(17) CH 23165 (715.76)	5 010.32	-56.47	11.15	-57.68	3.71	H	-50.24
LTE B13 CH 23230 (782.0)	1 559.00	-51.32	8.63	-64.59	1.95	H	-57.91
LTE B14 CH 23305 (788.34)	1 559.00	-51.36	8.75	-64.95	1.98	H	-58.18
LTE B25(2) CH 26055 (1852.76)	9 263.80	-55.75	11.28	-44.78	5.20	H	-38.70
LTE B26(5) (Part22) CH 26990 (844.0)	5 064.00	-54.62	11.15	-55.94	3.79	H	-48.58
LTE B26 (Part90) CH 26765 (814.84)	4 889.04	-55.98	11.31	-57.64	3.64	H	-49.97
LTE B26 (Part90) (Straddle) CH 26790 (824.0)	4 944.00	-55.99	11.28	-57.65	3.68	H	-50.05
LTE B41(38) CH 40620 (2584.09)	15 504.54	-68.72	15.76	-50.37	6.89	H	-41.50
LTE B42 CH 42990 (3540.0)	17 700.00	-71.78	16.62	-43.82	7.49	H	-34.68
LTE B66(4) CH 132322 (1745.00)	8 725.00	-56.80	11.18	-46.84	5.03	H	-40.69
Sub 6 n7 CH 513500 (2567.5)	15 405.00	-66.75	15.34	-47.60	6.85	H	-39.11
Sub 6 n12 CH 142700 (713.5)	4 994.50	-56.23	11.17	-57.51	3.70	H	-50.04
Sub 6 n13 CH 155900 (779.5)	4677.00	-54.58	11.88	-58.76	3.58	H	-50.46
Sub 6 n14 CH 158600 (793.0)	4758.00	-54.28	11.63	-57.76	3.62	H	-49.75
Sub 6 n25(2) CH 374000 (1870.0)	9 350.00	-55.70	11.27	-45.68	5.26	H	-39.67
Sub 6 n26(5) (Part22) CH 167800 (839.0)	5 034.00	-54.87	11.14	-56.05	3.67	H	-48.58
Sub 6 n26(Part90) CH 163300 (816.5)	4 899.00	-55.83	11.35	-57.41	3.65	H	-49.71

Sub6 n26(Part90) (Straddle) CH 164300 (821.5)	4 929.00	-57.69	11.31	-59.35	3.64	H	-51.68
Sub 6 n41 CH 509202 (2546.010)	15 276.06	-67.31	15.00	-48.68	6.82	H	-40.50
Sub 6 n66 CH 349000 (1745.0)	8 725.00	-56.12	11.18	-46.16	5.03	H	-40.01
Sub 6 n71 CH 136100 (680.5)	4 763.50	-54.69	11.62	-58.13	3.63	H	-50.14
Sub 6 n n77 (3450-3550 MHz) CH 633334 (3500.01)	17 500.05	-72.50	17.36	-47.45	7.42	H	-37.51
Sub 6 n77 (3700-3980 MHz) CH 656000 (3840.00)	15 360.00	-68.74	15.21	-49.12	6.88	H	-40.79

Modulation	Frequency		Mode	BEJTM15FNEUJL0 (dBm)	BEJTM15FNEUJL1 (dBm)	Deviation (dB)
	MHz	Ch.				
GSM850 (848.8)	1697.60	251	VOICE	-42.42	-44.67	2.25
GSM1900 (1850.2)	9251.00	512	VOICE	-40.26	-41.47	1.21
WDM850 (846.6)	5079.60	4233	RMC	-49.39	-49.70	0.31
WDM81900 (1880.0)	10274.40	9400	RMC	-39.59	-40.49	0.90
WDM81700 (1712.4)	11280.00	1312	RMC	-40.62	-40.88	0.26
LTE B7 (B.W 20 MHz)	15 183.54	21100	QPSK	-39.65	-40.77	1.12
LTE B12(17) (B.W 10 MHz)	5 010.32	23165	QPSK	-47.40	-50.24	2.84
LTE B13 (B.W 5 MHz)	1 559.00	23230	QPSK	-58.59	-57.91	-0.68
LTE B14 (B.W 5 MHz)	1 559.00	23305	QPSK	-57.97	-58.18	0.21
LTE B25(2) (B.W 20 MHz)	9 263.80	26055	QPSK	-38.55	-38.70	0.15
LTE B26(5) (Part22) (B.W 10 MHz)	5 064.00	26990	QPSK	-49.75	-48.58	-1.17
LTE B26 (Part90) (B.W 5 MHz)	4 889.04	26765	QPSK	-50.29	-49.97	-0.32
LTE B26 (Part90) (Straddle) (B.W 20 MHz)	4 944.00	26790	QPSK	-50.10	-50.05	-0.05
LTE B41(38) (B.W 10 MHz)	15 504.54	40620	QPSK	-41.02	-41.50	0.48
LTE B42 (B.W 5 MHz)	17 700.00	42990	QPSK	-35.92	-34.68	-1.24
LTE B66(4) (B.W 5 MHz)	8 725.00	132322	QPSK	-40.42	-40.69	0.27
Sub6 n7 (B.W 5 MHz)	15405.00	513500	PI/2 BPSK	-37.41	-39.11	1.70
Sub6 n12 (B.W 5 MHz)	4994.50	142700	PI/2 BPSK	-49.15	-50.04	0.89
Sub6 n13 (B.W 5 MHz)	4677.00	155900	PI/2 BPSK	-49.91	-50.46	0.55
Sub6 n14 (B.W 10 MHz)	4758.00	158600	PI/2 BPSK	-46.96	-49.75	2.79
Sub6 n25(2) (B.W 40 MHz)	9350.00	374000	PI/2 BPSK	-39.37	-39.67	0.30
Sub6 n26(5)(Part22) (B.W 20 MHz)	5034.00	167800	PI/2 BPSK	-48.02	-48.58	0.56
Sub6 n26(Part90) (B.W 5 MHz)	4899.00	163300	PI/2 BPSK	-47.78	-49.71	1.93
Sub6 n26(Part90)(Straddle) (B.W 15 MHz)	4929.00	164300	PI/2 BPSK	-51.38	-51.68	0.30
Sub6 n41 (B.W 100 MHz)	15276.06	509202	PI/2 BPSK	-39.76	-40.50	0.74
Sub6 n66 (B.W 5 MHz)	8725.00	349000	PI/2 BPSK	-37.47	-40.01	2.54
Sub6 n71 (B.W 20 MHz)	4763.50	136100	PI/2 BPSK	-50.19	-50.14	-0.05
Sub6 n77(3700-3980 MHz) (B.W 100 MHz)	15360.00	656000	PI/2 BPSK	-41.52	-40.79	-0.73
Sub6 n77(3450-3550 MHz) (B.W 100 MHz)	17500.05	633334	PI/2 BPSK	-38.34	-37.51	-0.83

2. List of test equipment(Licensed)

[Fully-anechoic chamber]

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
RF Switching System	Switch box(1 G HPF+LNA)	HCT CO., LTD.,	F2L2	12/12/2025	Annual
RF Switching System	Switch box(3 G HPF+LNA)	HCT CO., LTD.,	F2L3	12/12/2025	Annual
RF Switching System	Switch box(LNA)	HCT CO., LTD.,	F2L5	12/12/2025	Annual
RF Switching System	Switch box(6 G HPF+LNA)	HCT CO., LTD.,	F2L14	12/12/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/26/2025	Annual
Power Splitter(DC ~ 26.5 GHz)	11667B	Hewlett Packard	5001	04/17/2025	Annual
DC Power Supply	E3632A	Agilent	MY40010147	08/06/2025	Annual
Dipole Antenna	UHAP	Schwarzbeck	01274	03/10/2026	Biennial
Dipole Antenna	UHAP	Schwarzbeck	01288	08/07/2026	Biennial
Chamber	SU-642	ESPEC	93022487	06/27/2025	Annual
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	03197	11/28/2025	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	03201	11/28/2025	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/28/2025	Biennial
Signal Analyzer(10 Hz ~ 26.5 GHz)	N9020A	Agilent	MY52090906	04/19/2025	Annual
ATTENUATOR(20 dB)	8493C	Hewlett Packard	17280	04/17/2025	Annual
Spectrum Analyzer(10 Hz ~ 40 GHz)	FSV40	ROHDE & SCHWARZ	101733	09/19/2025	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Loop Antenna(9 kHz ~ 30 MHz)	FMZB1513	Schwarzbeck	1513-333	03/07/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	895	08/28/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	1135	08/19/2026	Biennial
Radio Communication Test Station	MT8000A	Anritsu Corp.	6272613402	08/28/2025	Annual
SIGNAL GENERATOR (100 kHz ~ 40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	07/26/2025	Annual
Signal Analyzer(5 Hz ~ 40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/17/2025	Annual
Signal & Spectrum Analyzer (2 Hz~67 GHz)	FSW67	REOHDE & SCHWARZ	101736	05/23/2025	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.,	-	-	-

[Semi-anechoic chamber]

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Antenna Position Tower	MA4640	Innco systems	S4AM	08/07/2025	Annual
Turn Table	DS2000-S	Innco systems	N/A	N/A	-
Turn Table	Turn Table	Ets	N/A	N/A	-
Controller (Antenna mast & Turn Table)	CO3000	Innco systems	CO3000/1251/48920320/P	N/A	-
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM20090002	N/A	-
RF Switch System	FBSR-04C(3G HPF+LNA)	TNM System	S4L1	04/11/2025	Annual
RF Switch System	FBSR-04C(7G HPF+LNA)	TNM System	S4L5	04/11/2025	Annual
RF Switch System	FBSR-04C(LNA)	TNM System	S4L4	04/11/2025	Annual
RF Switch System	FBSR-04C(Thru)	TNM System	S4L6	04/11/2025	Annual
HIGHPASS FILTER	WHKX10-900-1000-15000-40SS	WAINWRIGHT INSTRUMENTS	16	07/24/2025	Annual
LOW NOISE AMPLIFIER	310N	SONOMA Instrument	186169	02/05/2026	Annual
LOW NOISE AMPLIFIER	TK-PA1840H	TESTEK	170011-L	10/11/2025	Annual
Loop Antenna(9 kHz ~ 30 MHz)	FMZB1513	Schwarzbeck	1513-333	03/07/2026	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120	Schwarzbeck	937	02/07/2027	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Trilog Broadband Antenna	VULB 9168	Schwarzbeck	9168-0895	08/28/2026	Biennial
DC Power Supply	E3632A	Agilent	MY40010147	08/06/2025	Annual
Spectrum Analyzer(10 Hz ~ 40 GHz)	FSV40	REOHDE & SCHWARZ	101436	02/04/2026	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262287701	05/16/2025	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6272613402	08/28/2025	Annual
Signal Analyzer(3 Hz ~ 50 GHz)	N9030A	Agilent	MY49430478	02/12/2026	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.,	-	-	

Note:

1. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
2. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).