NVLAP TESTING
NVLAP LAB CODE 600338-0

BACL Bay Area Compliance Labs Corp.

FCC PART 27

FCC PART 22H, PART 24E, PART 90

TEST REPORT

For

Shanghai Xiangcheng Communication Technology Co.,Ltd

6th Floor, Building 10, No.3000 Longdong Avenue, Pudong New District, Shanghai, China

FCC ID: 2A2UU-P14

Report Type:	**Product Name:**
Class II permissive change Report	Smart POS Terminal

Report Number:	RKSA240620011-00F
Report Date:	2025-05-20
Reviewed By:	Bard Liu
Approved By:	Kyle Xu
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn

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DOCUMENT HISTORY

Revision	Release Time	Description of Revision	Report Number
R2V1	2025-05-20	Class II permissive change Report	RKSA240620011-00F

FILING DESCRIPTION

Report Number	Information about changes
RKSA240620011-00F	Adapter; Battery; Wifi/BT Antenna; WWAN Antenna; SIM card slot, Memory，Add 2.4G Hotspot function

Note:

This is a C2PC report, based on CR231168756-00F★ grant on 03/11/2024, the details as below:

1. Add an adapter, its model is LM-603U-050200U02UL.
2. Add a new battery, its model is F50051MA, the supplier is Dongguan HongDe Battery Co.Ltd
3. Add a new battery,the model is F50051MA (only model name different with original.)
4. Change the WIFI/BT Antenna.
5. Change the SIM card slot.
6. Change the WWAN Antenna.
7. Change memory from Vender：BIWIN Vender Model :BWCC2X32N2A-16G-X to Vender：LONGSYS Vender Model :FLXC2002G-N2
8. Add 2.4G WiFi/BT Hotspot function through software which not affect RF performance

For above changes, we "Spot Check With Maximum Conducted Output Power" and retest the item "Spurious Radiated Emissions" and update related photos, other data and photos were referred to the original report CR231168756-00F★.

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Shanghai Xiangcheng Communication Technology Co.,Ltd
Tested Model:	P14
Product Name:	Smart POS Terminal
Power Supply:	DC 3.8V from battery or DC 5V charging by adapter
RF Function:	GPRS/EGPRS, WCDMA, LTE
Operating Band/Frequency:	GPRS/EGPRS 850: 824-849 MHz(TX), 869-894 MHz(RX) GPRS/EGPRS 1900: 1850-1910 MHz(TX), 1930-1990 MHz(RX) WCDMA Band II: 1850-1910 MHz(TX), 1930-1990 MHz(RX) WCDMA Band IV: 1710-1755 MHz(TX), 2110-2155 MHz(RX) WCDMA Band V: 824-849 MHz(TX), 869-894 MHz(RX) LTE Band 2: 1850-1910 MHz(TX), 1930-1990 MHz(RX) LTE Band 4: 1710-1755 MHz(TX), 2110-2155 MHz(RX) LTE Band 5: 824-849 MHz(TX), 869-894 MHz(RX) LTE Band 7: 2500-2570 MHz(TX), 2620-2690 MHz(RX) LTE Band 12: 699-716 MHz(TX), 729-746 MHz(RX) LTE Band 17: 704-716 MHz(TX), 734-746 MHz(RX) LTE Band 25: 1850-1915 MHz (TX), 1930-1995 MHz (RX) LTE Band 26: 814-849 MHz(TX), 859-894 MHz(RX) LTE Band 38: 2570-2620 MHz(TX), 2570-2620 MHz(RX) LTE Band 41: 2535-2655 MHz(TX), 2535-2655 MHz(RX)
Modulation Type:	GPRS/EGPRS: GMSK, 8PSK WCDMA: BPSK, QPSK, 16QAM LTE: QPSK, 16QAM
Antenna Type:	IFA Antenna
★Maximum Antenna Gain:	GPRS/EGPRS 850: -0.3 dBi GPRS/EGPRS 1900: 2.31 dBi WCDMA Band II: 2.31 dBi WCDMA Band IV: 1.88 dBi WCDMA Band V: -0.3 dBi LTE Band 2:2.31 dBi LTE Band 4: 1.88 dBi LTE Band 5: -0.3 dBi LTE Band 7: 1.71 dBi LTE Band 12: -2.02 dBi LTE Band 17: -2.02 dBi LTE Band 25: 2.31 dBi LTE Band 26: -0.3 dBi LTE Band 38: 1.7 dBi LTE Band 41: 1.93 dBi

Adapter Information:
Model: LM-603U-050200U02UL
Input: 100-240V, 50/60Hz, 0.35A
Output: 5V, 2000mA, 10.0W
Note: The maximum antenna gain is provided by the applicant.
All measurement and tested data in this report was gathered from production sample serial number: RKSA240620011-1 (Assigned by BACL (Kunshan). The EUT supplied by the applicant was received on 2024-06-20.)

Objective

This type approval report is prepared for *Shanghai Xiangcheng Communication Technology Co.,Ltd* in accordance with Part 2, Part 22-Subpart H and Part 24-Subpart E, Part 27 and Part 90 of the Federal Communication Commission's rules.

The objective is to determine the compliance of EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability, and band edge.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-Part J as well as the following parts:

Part 22 Subpart H - Public Mobile Services
Part 24 Subpart E - Personal Communication Services
Part 27 – Miscellaneous wireless communications services
Part 90- PRIVATE LAND MOBILE RADIO SERVICES
Applicable Standards: ANSI C63.26-2015.

Measurement Uncertainty

Item		Uncertainty
RF conducted test		0.9dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	5.91dB
	1GHz~6GHz	4.68dB
	6GHz~18GHz	4.92dB
	18GHz~40GHz	5.21dB
Occupied Bandwidth		0.5kHz
Temperature		1.0℃
Humidity		6%

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

SYSTEM TEST CONFIGURATION

Justification

The EUT was configured for testing according to ANSI C63.26-2015.

The final qualification test was performed with the EUT operating at normal mode.

Channel List

Mode		Channel	Frequency (MHz)
GPRS/EGPRS 850		Low	824.2
		Middle	836.6
		High	848.8
GPRS/EGPRS 1900		Low	1850.2
		Middle	1880.0
		High	1909.8
WCDMA Band II		Low	1852.4
		Middle	1880.0
		High	1907.6
WCDMA Band IV		Low	1712.4
		Middle	1732.6
		High	1752.6
WCDMA Band V		Low	826.4
		Middle	836.6
		High	846.6
LTE Band 2	1.4M	Low	1850.7
		Middle	1880.0
		High	1909.3
	3M	Low	1851.5
		Middle	1880.0
		High	1908.5
	5M	Low	1852.5
		Middle	1880.0
		High	1907.5
	10M	Low	1855.0
		Middle	1880.0
		High	1905.0
	15M	Low	1857.5
		Middle	1880.0
		High	1902.5
	20M	Low	1860.0
		Middle	1880.0
		High	1900.0

Mode		Channel	Frequency (MHz)
LTE Band 4	1.4M	Low	1710.7
		Middle	1732.5
		High	1754.3
	3M	Low	1711.5
		Middle	1732.5
		High	1753.5
	5M	Low	1712.5
		Middle	1732.5
		High	1752.5
	10M	Low	1715.0
		Middle	1732.5
		High	1750.0
	15M	Low	1717.5
		Middle	1732.5
		High	1747.5
	20M	Low	1720.0
		Middle	1732.5
		High	1745.0
LTE Band 5	1.4M	Low	824.7
		Middle	836.5
		High	848.3
	3M	Low	825.5
		Middle	836.5
		High	847.5
	5M	Low	826.5
		Middle	836.5
		High	846.5
	10M	Low	829.0
		Middle	836.5
		High	844.0
LTE Band 7	5M	Low	2502.5
		Middle	2535.0
		High	2567.5
	10M	Low	2505.0
		Middle	2535.0
		High	2565.0
	15M	Low	2507.5
		Middle	2535.0
		High	2562.5
	20M	Low	2510.0
		Middle	2535.0
		High	2560.0

Mode		Channel	Frequency (MHz)
LTE Band 12	1.4M	Low	699.7
		Middle	707.5
		High	715.3
	3M	Low	700.5
		Middle	707.5
		High	714.5
	5M	Low	701.5
		Middle	707.5
		High	713.5
	10M	Low	704.0
		Middle	707.5
		High	711.0
LTE Band 17	5M	Low	706.5
		Middle	710.0
		High	713.5
	10M	Low	709.0
		Middle	710.0
		High	711.0

Mode		Channel	Frequency (MHz)
LTE Band 25	1.4M	Low	1850.7
		Middle	1882.5
		High	1914.3
	3M	Low	1851.5
		Middle	1882.5
		High	1913.5
	5M	Low	1852.5
		Middle	1882.5
		High	1912.5
	10M	Low	1855.0
		Middle	1882.5
		High	1910.0
	15M	Low	1857.5
		Middle	1882.5
		High	1907.5
	20M	Low	1860.0
		Middle	1882.5
		High	1905.0
LTE Band 26 Lower	1.4M	Low	814.7
		High	823.3
		Cross	824
	3M	Low	815.5
		High	822.5
		Cross	824
	5M	Low	816.5
		High	821.5
		Cross	824
	10M	Low	819
		Cross	824
	15M	Low	821.5
		Cross	824
LTE Band 26 Upper	1.4M	Low	824.7
		Middle	836.5
		High	848.3
	3M	Low	825.5
		Middle	836.5
		High	847.5
	5M	Low	826.5
		Middle	836.5
		High	846.5
	10M	Low	829
		Middle	836.5
		High	844
	15M	Low	831.5
		Middle	836.5
		High	841.5

Mode		Channel	Frequency (MHz)
LTE Band 38	5M	Low	2572.5
		Middle	2595.0
		High	2617.5
	10M	Low	2575.0
		Middle	2595.0
		High	2615.0
	15M	Low	2577.5
		Middle	2595.0
		High	2612.5
	20M	Low	2580.0
		Middle	2595.0
		High	2610.0
LTE Band 41	5M	Low	2537.5
		Middle	2595.0
		High	2652.5
	10M	Low	2540.0
		Middle	2595.0
		High	2650.0
	15M	Low	2542.5
		Middle	2595.0
		High	2647.5
	20M	Low	2545.0
		Middle	2595.0
		High	2645.0

Equipment Modifications

No modifications were made to the EUT.

Support Equipment List and Details

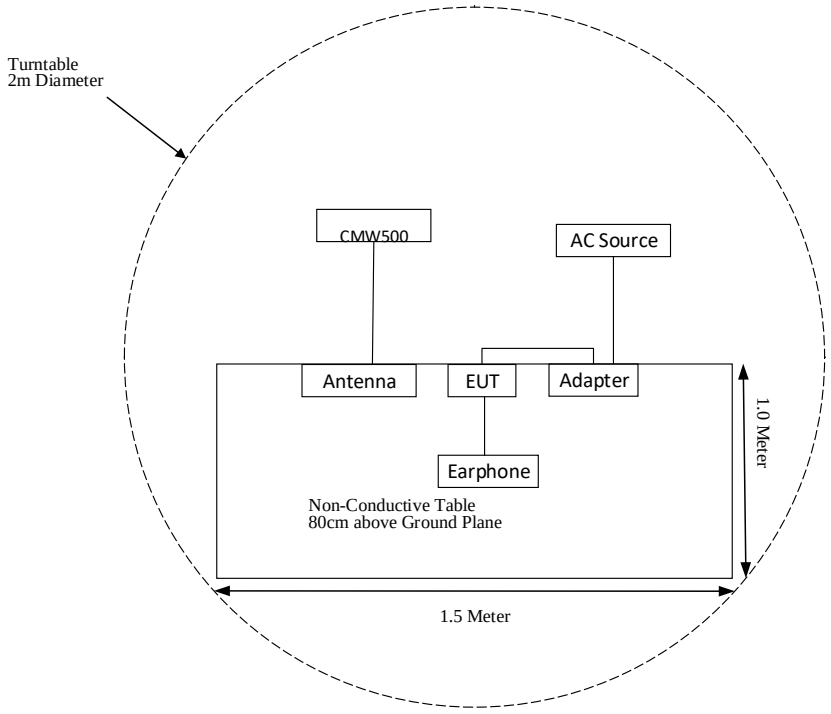
Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478
Unknown	Earphone	Unknown	Unknown

External I/O Cable

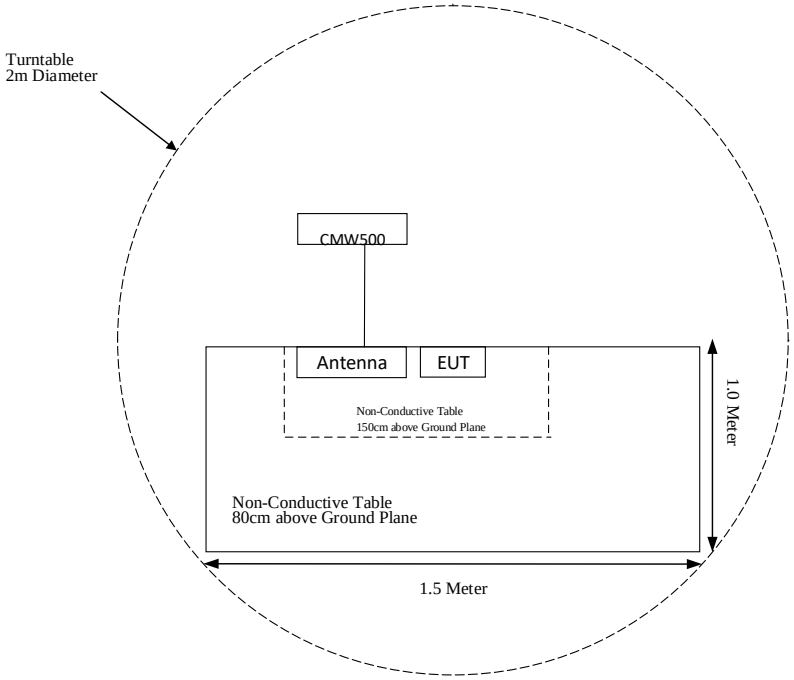
Cable Description	Length (m)	From Port	To Port
Power Cable 1	1.0	AC Source	Adapter
USB Cable 1	1.0	Adapter	EUT
Audio Cable 1	1.0	EUT	Earphone

Block Diagram of Test Setup

For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2024-04-23	2025-04-22
Keysight	Signal Generator	N5183A	MY47420304	2024-04-24	2025-04-23
Sunol Sciences	Hybrid Antenna	JB3	A090314-1	2023-11-11	2024-11-10
Sunol Sciences	Hybrid Antenna	JB3	A090314-2	2023-01-12	2026-01-11
Sonoma Instrument	Amplifier	310N	171205	2024-04-23	2025-04-22
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-7	007	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-8	008	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-9	009	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-10	010	2024-04-23	2025-04-22
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2024-04-23	2025-04-22
Radiated Emission Test (Chamber #2)					
Keysight	Signal Generator	N5183A	MY47420304	2024-04-24	2025-04-23
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2024-04-25	2025-04-24
ETS-LINDGREN	Horn Antenna	3115	9311-4159	2024-12-02	2027-12-01
ETS-LINDGREN	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3116	2516	2024-12-12	2027-12-11
ETS-LINDGREN	Horn Antenna	3116	84159	2024-12-08	2027-12-07
A.H.Systems, inc	Amplifier	PAM-0118P	512	2024-04-25	2025-04-24
SELECTOR	Amplifier	EM18G40G	060726	2024-04-25	2025-04-24
Narda	Attenuator	10dB	010	2024-04-23	2025-04-22
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-11	011	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-12	012	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-13	013	2024-04-25	2025-04-24
Wi	Band reject filter	SN1	WRCGV5-804-824-849-869-30SS	2024-04-25	2025-04-24
Wi	Band reject filter	SN1	WRCGV8-1695-1710-1755-1770-30SS	2024-04-25	2025-04-24
Wi	Band reject filter	SN1	WRCGV6-1830-1850-1910-1930-30SS	2024-04-25	2025-04-24
Wi	Band reject filter	SN1	WRCJV8-2550-2570-2620-2640-30SS	2024-04-25	2025-04-24

Wi	Band reject filter	SN1	WRCJV8-2450-2500-2570-2620-40SS	2024-04-25	2025-04-24
Wi	Band reject filter	SN2	WRCT16-697-699-716-718-60SS	2024-04-25	2025-04-24
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2024-04-23	2025-04-22
RF Conducted Test					
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2024-04-24	2025-04-23
Narda	Attenuator	10dB	010	2024-04-24	2025-04-23

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result	Remark
§2.1053; §22.917 (a) §24.238 (a); §27.53 (c) (g) (h) (m); §90.691	Spurious Radiated Emissions	Compliant	---
§2.1046; § 22.913 (a); §24.232 (c); §27.50 (b)(c)(d) (h) §90.635 (b)	RF Output Power	Compliant	---
§ 2.1047	Modulation Characteristics	Not Applicable	---
§2.1049; §22.905; §22.917; §24.238; §27.53; §90.209	Occupied Bandwidth	---	See Note★
§2.1051; §22.917 (a); §24.238 (a); §27.53 (c) (f) (g) (h) (m); §90.691	Spurious Emissions at Antenna Terminal	---	See Note★
§22.917 (a); §24.238 (a); §27.53 (c) (f) (g) (h) (m); §90.691	Band Edge	---	See Note★
§2.1055; §22.355; §24.235; §27.54; §90.213	Frequency stability	---	See Note★

Note: The changes will not affect test data, the data are referred to original report CR231168756-00F★which provided by applicant.

FCC §2.1046; § 22.913 (a); §24.232 (c); §27.50 (d) (h)(2); §90.635 (b) - RF OUTPUT POWER

Applicable Standards

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts (38.45dBm).

According to FCC §2.1046 and §24.232 (c), mobile and portable stations are limited to 2 watts (33dBm) EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to §27.50(d), the maximum EIRP must not exceed 1Watts (30dBm) for 1710-1780MHz.

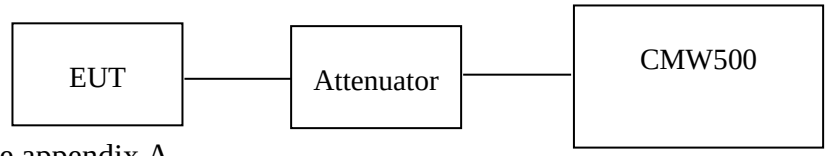
According to §27.50(h) (2), Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure

Conducted method:

The RF output of the transmitter was connected to the CMW500 through sufficient attenuation.



Test Data: See appendix A

FCC § 2.1053; § 22.917 (a); § 24.238 (a) & §27.53 (c) (g) (h) (m); § 90.691 - SPURIOUS RADIATED EMISSIONS

Applicable Standards

FCC § 2.1053, §22.917(a) and § 24.238(a), §90.691 and § 27.53 (c) (f) (g) (h) (m)

22.917 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

24.238 (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

27.53(h) (m), for mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

27.53 (g)

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed

27.53 (h) AWS emission limits —

(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.

27.53m(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below

2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Rule Part 90.691 specifies that “The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

Test Procedure

According to ANSI C63.26-2015 Section 5.5.3:

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = 10 lg (TX pwr in Watts/0.001) – the absolute level

Spurious attenuation limit in dB = 43 + 10 Log_{10} (power out in Watts)

Test Data: See Appendix A

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT F - TEST SETUP PHOTOGRAPHS.

APPENDIX A - TEST DATA

Environmental Conditions & Test Information

Test Item:	SPURIOUS RADIATED EMISSIONS	SPOT CHECK WITH MAXIMUM CONDUCTED OUTPUT POWER
Test Date:	2024/12/15 – 2025/01/07	2024/10/30
Temperature:	16.5 - 25.5 ℃	20.3 ℃
Relative Humidity:	38 - 44 %	52 %
ATM Pressure:	100.4 – 101.7 kPa	101.4 kPa
Test Result:	Pass	Pass
Test Engineer:	Grace Luo	Neil Zhou

SPURIOUS RADIATED EMISSIONS

Test mode: Transmitting (Pre-scan with all the bandwidth, and worst case as below)

30 MHz ~ 10 GHz:

GPRS 850 Band

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel										
199.99	49.91	110	200	H	-55.72	0.42	-3.95	-60.09	-13	47.09
199.99	49.08	206	100	V	-56.00	0.42	-3.95	-60.37	-13	47.37
1648.40	58.72	42	150	H	-54.62	0.84	8.44	-47.02	-13	34.02
1648.40	58.11	303	100	V	-55.23	0.84	8.44	-47.63	-13	34.63
GPRS Mode, Middle channel										
199.99	50.33	140	100	H	-55.30	0.42	-3.95	-59.67	-13	46.67
199.99	49.50	226	200	V	-55.58	0.42	-3.95	-59.95	-13	46.95
1673.20	58.09	301	200	H	-55.08	0.84	8.48	-47.44	-13	34.44
1673.20	57.64	215	200	V	-55.53	0.84	8.48	-47.89	-13	34.89
GPRS Mode, High channel										
199.99	50.44	9	100	H	-55.19	0.42	-3.95	-59.56	-13	46.56
199.99	49.64	112	200	V	-55.44	0.42	-3.95	-59.81	-13	46.81
1697.60	57.43	212	150	H	-55.57	0.84	8.52	-47.89	-13	34.89
1697.60	58.11	77	200	V	-54.89	0.84	8.52	-47.21	-13	34.21

WCDMA Band V

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
WCDMA Mode, Low channel										
491.48	40.36	168	200	H	-61.97	0.57	-1.90	-64.44	-13	51.44
491.48	40.06	169	100	V	-62.36	0.57	-1.90	-64.83	-13	51.83
1652.80	50.60	288	100	H	-62.71	0.84	8.44	-55.11	-13	42.11
1652.80	50.04	7	100	V	-63.27	0.84	8.44	-55.67	-13	42.67
WCDMA Mode, Middle channel										
491.48	40.67	185	200	H	-61.66	0.57	-1.90	-64.13	-13	51.13
491.48	40.42	151	100	V	-62.00	0.57	-1.90	-64.47	-13	51.47
1673.20	49.69	99	100	H	-63.48	0.84	8.48	-55.84	-13	42.84
1673.20	49.29	275	200	V	-63.88	0.84	8.48	-56.24	-13	43.24
WCDMA Mode, High channel										
491.48	40.42	131	200	H	-61.91	0.57	-1.90	-64.38	-13	51.38
491.48	40.12	252	150	V	-62.30	0.57	-1.90	-64.77	-13	51.77
1693.20	49.65	143	200	H	-63.38	0.84	8.51	-55.71	-13	42.71
1693.20	49.23	152	200	V	-63.80	0.84	8.51	-56.13	-13	43.13

30 MHz ~ 20 GHz:

PCS 1900 Band

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel										
389.99	42.83	300	150	H	-63.03	0.52	-1.43	-64.98	-13	51.98
389.99	41.11	208	150	V	-63.28	0.52	-1.43	-65.23	-13	52.23
3700.40	54.02	100	150	H	-52.95	0.95	9.78	-44.12	-13	31.12
3700.40	53.60	262	200	V	-53.37	0.95	9.78	-44.54	-13	31.54
GPRS Mode, Middle channel										
389.99	43.53	212	150	H	-62.33	0.52	-1.43	-64.28	-13	51.28
389.99	41.78	171	150	V	-62.61	0.52	-1.43	-64.56	-13	51.56
3760.00	53.10	186	100	H	-53.68	0.95	9.74	-44.89	-13	31.89
3760.00	52.72	152	100	V	-54.06	0.95	9.74	-45.27	-13	32.27
GPRS Mode, High channel										
389.99	43.32	32	100	H	-62.54	0.52	-1.43	-64.49	-13	51.49
389.99	41.46	20	200	V	-62.93	0.52	-1.43	-64.88	-13	51.88
3819.60	53.29	199	100	H	-53.30	0.96	9.71	-44.55	-13	31.55
3819.60	53.01	21	200	V	-53.58	0.96	9.71	-44.83	-13	31.83

WCDMA Band II

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
WCDMA Mode, Low channel										
143.37	47.78	269	200	H	-57.35	0.36	-6.14	-63.85	-13	50.85
143.37	42.89	343	150	V	-57.47	0.36	-6.14	-63.97	-13	50.97
3704.80	45.99	15	150	H	-60.96	0.95	9.78	-52.13	-13	39.13
3704.80	45.48	192	150	V	-61.47	0.95	9.78	-52.64	-13	39.64
WCDMA Mode, Middle channel										
143.37	47.99	183	200	H	-57.14	0.36	-6.14	-63.64	-13	50.64
143.37	43.04	69	150	V	-57.32	0.36	-6.14	-63.82	-13	50.82
3760.00	45.11	259	100	H	-61.67	0.95	9.74	-52.88	-13	39.88
3760.00	44.65	268	100	V	-62.13	0.95	9.74	-53.34	-13	40.34
WCDMA Mode, High channel										
143.37	48.38	158	100	H	-56.75	0.36	-6.14	-63.25	-13	50.25
143.37	43.45	181	150	V	-56.91	0.36	-6.14	-63.41	-13	50.41
3815.20	45.29	75	100	H	-61.31	0.96	9.71	-52.56	-13	39.56
3815.20	44.91	139	100	V	-61.69	0.96	9.71	-52.94	-13	39.94

WCDMA Band IV

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
Low channel										
245.83	40.82	124	150	H	-60.95	0.44	-2.39	-63.78	-13	50.78
245.83	48.15	2	100	V	-61.16	0.44	-2.39	-63.99	-13	50.99
3424.80	58.18	79	100	H	-49.74	0.93	9.82	-40.85	-13	27.85
3424.80	57.97	359	200	V	-49.95	0.93	9.82	-41.06	-13	28.06
Middle channel										
245.83	41.34	200	200	H	-60.43	0.44	-2.39	-63.26	-13	50.26
245.83	48.60	301	150	V	-60.71	0.44	-2.39	-63.54	-13	50.54
3465.20	58.63	221	200	H	-49.12	0.93	9.87	-40.18	-13	27.18
3465.20	58.14	6	200	V	-49.61	0.93	9.87	-40.67	-13	27.67
High channel										
245.83	41.05	45	200	H	-60.72	0.44	-2.39	-63.55	-13	50.55
245.83	48.41	236	150	V	-60.90	0.44	-2.39	-63.73	-13	50.73
3505.20	58.05	297	100	H	-49.53	0.93	9.91	-40.55	-13	27.55
3505.20	57.64	242	150	V	-49.94	0.93	9.91	-40.96	-13	27.96

Test mode: Transmitting (Pre-scan with 1RB of all the bandwidth, and worst case as below)

30 MHz ~ 10 GHz:

LTE Band 5:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
499.97	40.61	346	150	H	-62.51	0.58	-1.95	-65.04	-13	52.04
499.97	39.18	343	200	V	-62.90	0.58	-1.95	-65.43	-13	52.43
1649.40	59.64	274	100	H	-53.70	0.84	8.44	-46.10	-13	33.10
1649.40	58.51	230	200	V	-54.83	0.84	8.44	-47.23	-13	34.23
16-QAM 1.4MHz Bandwidth Low Channel										
499.97	41.52	88	100	H	-61.60	0.58	-1.95	-64.13	-13	51.13
499.97	39.99	271	100	V	-62.09	0.58	-1.95	-64.62	-13	51.62
1649.40	59.37	131	100	H	-53.97	0.84	8.44	-46.37	-13	33.37
1649.40	58.62	203	200	V	-54.72	0.84	8.44	-47.12	-13	34.12
QPSK 1.4MHz Bandwidth Middle Channel										
499.97	41.76	316	200	H	-61.36	0.58	-1.95	-63.89	-13	50.89
499.97	40.38	191	200	V	-61.70	0.58	-1.95	-64.23	-13	51.23
1673.00	58.30	260	150	H	-54.87	0.84	8.48	-47.23	-13	34.23
1673.00	57.67	2	150	V	-55.50	0.84	8.48	-47.86	-13	34.86
16-QAM 1.4MHz Bandwidth Middle Channel										
499.97	40.54	73	200	H	-62.58	0.58	-1.95	-65.11	-13	52.11
499.97	39.24	39	100	V	-62.84	0.58	-1.95	-65.37	-13	52.37
1673.00	59.22	292	100	H	-53.95	0.84	8.48	-46.31	-13	33.31
1673.00	58.56	120	200	V	-54.61	0.84	8.48	-46.97	-13	33.97
QPSK 1.4MHz Bandwidth High Channel										
499.97	41.87	80	200	H	-61.25	0.58	-1.95	-63.78	-13	50.78
499.97	40.40	242	200	V	-61.68	0.58	-1.95	-64.21	-13	51.21
1696.60	58.45	122	100	H	-54.56	0.84	8.52	-46.88	-13	33.88
1696.60	57.98	248	100	V	-55.03	0.84	8.52	-47.35	-13	34.35
16-QAM 1.4MHz Bandwidth High Channel										
499.97	41.21	298	200	H	-61.91	0.58	-1.95	-64.44	-13	51.44
499.97	39.74	14	100	V	-62.34	0.58	-1.95	-64.87	-13	51.87
1696.60	59.06	212	200	H	-53.95	0.84	8.52	-46.27	-13	33.27
1696.60	58.47	356	150	V	-54.54	0.84	8.52	-46.86	-13	33.86

LTE Band 12:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
266.68	41.26	125	150	H	-62.09	0.45	-2.22	-64.76	-13	51.76
266.68	46.24	247	100	V	-62.24	0.45	-2.22	-64.91	-13	51.91
1399.40	56.22	296	100	H	-57.95	0.82	7.92	-50.85	-13	37.85
1399.40	55.54	112	150	V	-58.63	0.82	7.92	-51.53	-13	38.53
16-QAM 1.4MHz Bandwidth Low Channel										
266.68	43.13	84	150	H	-60.22	0.45	-2.22	-62.89	-13	49.89
266.68	47.91	77	100	V	-60.57	0.45	-2.22	-63.24	-13	50.24
1399.40	55.30	321	100	H	-58.87	0.82	7.92	-51.77	-13	38.77
1399.40	54.73	276	200	V	-59.44	0.82	7.92	-52.34	-13	39.34
QPSK 1.4MHz Bandwidth Middle Channel										
266.68	42.59	353	200	H	-60.76	0.45	-2.22	-63.43	-13	50.43
266.68	47.40	149	200	V	-61.08	0.45	-2.22	-63.75	-13	50.75
1415.00	56.94	49	200	H	-57.26	0.82	7.96	-50.12	-13	37.12
1415.00	56.17	295	100	V	-58.03	0.82	7.96	-50.89	-13	37.89
16-QAM 1.4MHz Bandwidth Middle Channel										
266.68	41.90	42	150	H	-61.45	0.45	-2.22	-64.12	-13	51.12
266.68	46.48	184	150	V	-62.00	0.45	-2.22	-64.67	-13	51.67
1415.00	56.39	349	200	H	-57.81	0.82	7.96	-50.67	-13	37.67
1415.00	55.45	32	150	V	-58.75	0.82	7.96	-51.61	-13	38.61
QPSK 1.4MHz Bandwidth High Channel										
266.68	43.56	190	100	H	-59.79	0.45	-2.22	-62.46	-13	49.46
266.68	48.17	216	200	V	-60.31	0.45	-2.22	-62.98	-13	49.98
1430.60	56.81	75	150	H	-57.42	0.82	8.01	-50.23	-13	37.23
1430.60	55.70	335	150	V	-58.53	0.82	8.01	-51.34	-13	38.34
16-QAM 1.4MHz Bandwidth High Channel										
266.68	42.13	298	200	H	-61.22	0.45	-2.22	-63.89	-13	50.89
266.68	46.84	49	150	V	-61.64	0.45	-2.22	-64.31	-13	51.31
1430.60	55.40	320	100	H	-58.83	0.82	8.01	-51.64	-13	38.64
1430.60	54.67	72	150	V	-59.56	0.82	8.01	-52.37	-13	39.37

LTE Band 17:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
267.65	41.51	203	200	H	-61.96	0.45	-2.21	-64.62	-13	51.62
267.65	46.21	51	150	V	-62.19	0.45	-2.21	-64.85	-13	51.85
1413.00	53.73	1	200	H	-60.47	0.82	7.96	-53.33	-13	40.33
1413.00	53.12	41	100	V	-61.08	0.82	7.96	-53.94	-13	40.94
2119.50	60.37	49	200	H	-50.60	0.86	9.26	-42.20	-13	29.20
2119.50	59.56	173	100	V	-51.41	0.86	9.26	-43.01	-13	30.01
16-QAM 5MHz Bandwidth Low Channel										
267.65	42.70	328	100	H	-60.77	0.45	-2.21	-63.43	-13	50.43
267.65	47.25	162	200	V	-61.15	0.45	-2.21	-63.81	-13	50.81
1413.00	53.60	271	200	H	-60.60	0.82	7.96	-53.46	-13	40.46
1413.00	52.93	0	150	V	-61.27	0.82	7.96	-54.13	-13	41.13
2119.50	59.78	203	100	H	-51.19	0.86	9.26	-42.79	-13	29.79
2119.50	59.22	37	150	V	-51.75	0.86	9.26	-43.35	-13	30.35
QPSK 5MHz Bandwidth Middle Channel										
267.65	43.34	91	150	H	-60.13	0.45	-2.21	-62.79	-13	49.79
267.65	48.00	336	200	V	-60.40	0.45	-2.21	-63.06	-13	50.06
1420.00	54.62	152	100	H	-59.59	0.82	7.98	-52.43	-13	39.43
1420.00	53.96	318	150	V	-60.25	0.82	7.98	-53.09	-13	40.09
2130.00	59.78	298	150	H	-51.20	0.86	9.29	-42.77	-13	29.77
2130.00	58.94	90	100	V	-52.04	0.86	9.29	-43.61	-13	30.61
16-QAM 5MHz Bandwidth Middle Channel										
267.65	43.46	44	150	H	-60.01	0.45	-2.21	-62.67	-13	49.67
267.65	48.03	151	200	V	-60.37	0.45	-2.21	-63.03	-13	50.03
1420.00	53.93	36	200	H	-60.28	0.82	7.98	-53.12	-13	40.12
1420.00	53.18	105	200	V	-61.03	0.82	7.98	-53.87	-13	40.87
2130.00	59.49	41	150	H	-51.49	0.86	9.29	-43.06	-13	30.06
2130.00	58.66	34	200	V	-52.32	0.86	9.29	-43.89	-13	30.89
QPSK 5MHz Bandwidth High Channel										
267.65	42.67	358	150	H	-60.80	0.45	-2.21	-63.46	-13	50.46
267.65	47.29	244	150	V	-61.11	0.45	-2.21	-63.77	-13	50.77
1427.00	54.38	147	200	H	-59.84	0.82	8.00	-52.66	-13	39.66
1427.00	53.83	16	200	V	-60.39	0.82	8.00	-53.21	-13	40.21
2140.50	59.28	37	150	H	-51.70	0.86	9.31	-43.25	-13	30.25
2140.50	58.56	147	100	V	-52.42	0.86	9.31	-43.97	-13	30.97
16-QAM 5MHz Bandwidth High Channel										
267.65	42.27	211	100	H	-61.20	0.45	-2.21	-63.86	-13	50.86
267.65	46.85	130	200	V	-61.55	0.45	-2.21	-64.21	-13	51.21
1427.00	53.70	184	150	H	-60.52	0.82	8.00	-53.34	-13	40.34
1427.00	52.92	202	150	V	-61.30	0.82	8.00	-54.12	-13	41.12
2140.50	60.45	45	150	H	-50.53	0.86	9.31	-42.08	-13	29.08
2140.50	59.88	270	150	V	-51.10	0.86	9.31	-42.65	-13	29.65

LTE Band 26: (814MHz~824MHz)

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
550.16	41.48	224	100	H	-63.52	0.58	-1.30	-65.40	-13	52.40
550.16	36.56	219	150	V	-63.94	0.58	-1.30	-65.82	-13	52.82
1629.40	62.50	198	200	H	-50.97	0.84	8.41	-43.40	-13	30.40
1629.40	61.66	44	200	V	-51.81	0.84	8.41	-44.24	-13	31.24
16-QAM 1.4MHz Bandwidth Low Channel										
550.16	43.45	34	200	H	-61.55	0.58	-1.30	-63.43	-13	50.43
550.16	38.59	287	200	V	-61.91	0.58	-1.30	-63.79	-13	50.79
1629.40	62.34	166	200	H	-51.13	0.84	8.41	-43.56	-13	30.56
1629.40	61.73	353	200	V	-51.74	0.84	8.41	-44.17	-13	31.17
QPSK 1.4MHz Bandwidth High Channel										
550.16	40.33	341	100	H	-64.67	0.58	-1.30	-66.55	-13	53.55
550.16	36.91	10	150	V	-63.59	0.58	-1.30	-65.47	-13	52.47
1646.60	60.37	347	200	H	-52.99	0.84	8.43	-45.4	-13	32.4
1646.60	60.56	346	150	V	-52.8	0.84	8.43	-45.21	-13	32.21
16-QAM 1.4MHz Bandwidth High Channel										
550.16	41.36	122	150	H	-63.64	0.58	-1.30	-65.52	-13	52.52
550.16	37.68	35	150	V	-62.82	0.58	-1.30	-64.7	-13	51.7
1646.60	60.70	92	150	H	-52.66	0.84	8.43	-45.07	-13	32.07
1646.60	60.21	6	200	V	-53.15	0.84	8.43	-45.56	-13	32.56

LTE Band 26(824MHz~849MHz)

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
550.16	40.37	302	150	H	-64.63	0.58	-1.30	-66.51	-13	53.51
550.16	36.98	113	150	V	-63.52	0.58	-1.30	-65.4	-13	52.4
1649.40	62.37	220	200	H	-50.97	0.84	8.44	-43.37	-13	30.37
1649.40	61.38	157	150	V	-51.96	0.84	8.44	-44.36	-13	31.36
16-QAM 1.4MHz Bandwidth Low Channel										
550.16	42.08	235	100	H	-62.92	0.58	-1.30	-64.8	-13	51.8
550.16	39.02	118	150	V	-61.48	0.58	-1.30	-63.36	-13	50.36
1649.40	62.55	102	200	H	-50.79	0.84	8.44	-43.19	-13	30.19
1649.40	60.79	54	150	V	-52.55	0.84	8.44	-44.95	-13	31.95
QPSK 1.4MHz Bandwidth Middle Channel										
550.16	42.94	130	200	H	-62.06	0.58	-1.30	-63.94	-13	50.94
550.16	38.05	180	100	V	-62.45	0.58	-1.30	-64.33	-13	51.33
1663.00	61.25	335	100	H	-51.99	0.84	8.46	-44.37	-13	31.37
1663.00	60.41	187	100	V	-52.83	0.84	8.46	-45.21	-13	32.21
16-QAM 1.4MHz Bandwidth Middle Channel										
550.16	42.63	133	150	H	-62.37	0.58	-1.30	-64.25	-13	51.25
550.16	37.77	149	200	V	-62.73	0.58	-1.30	-64.61	-13	51.61
1663.00	61.50	242	150	H	-51.74	0.84	8.46	-44.12	-13	31.12
1663.00	60.76	252	150	V	-52.48	0.84	8.46	-44.86	-13	31.86
QPSK 1.4MHz Bandwidth High Channel										
550.16	41.99	334	100	H	-63.01	0.58	-1.30	-64.89	-13	51.89
550.16	37.32	1	150	V	-63.18	0.58	-1.30	-65.06	-13	52.06
1696.60	61.78	347	200	H	-51.23	0.84	8.51	-43.56	-13	30.56
1696.60	61.09	346	150	V	-51.92	0.84	8.51	-44.25	-13	31.25
16-QAM 1.4MHz Bandwidth High Channel										
550.16	42.55	85	100	H	-62.45	0.58	-1.30	-64.33	-13	51.33
550.16	37.64	350	100	V	-62.86	0.58	-1.30	-64.74	-13	51.74
1696.60	60.70	92	150	H	-52.31	0.84	8.51	-44.64	-13	31.64
1696.60	60.21	6	200	V	-52.80	0.84	8.51	-45.13	-13	32.13

30 MHz ~ 20 GHz:

LTE Band 2:

Frequency (MHz)	Receiver Reading (dBµV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
600.00	40.53	280	100	H	-61.93	0.59	-0.65	-63.17	-13	50.17
600.00	39.47	207	200	V	-62.22	0.59	-0.65	-63.46	-13	50.46
3701.40	44.89	141	200	H	-62.07	0.95	9.78	-53.24	-13	40.24
3701.40	44.27	181	100	V	-62.69	0.95	9.78	-53.86	-13	40.86
16-QAM 1.4MHz Bandwidth Low Channel										
600.00	40.28	93	150	H	-62.18	0.59	-0.65	-63.42	-13	50.42
600.00	39.18	161	200	V	-62.51	0.59	-0.65	-63.75	-13	50.75
3701.40	44.01	112	150	H	-62.95	0.95	9.78	-54.12	-13	41.12
3701.40	43.42	308	200	V	-63.54	0.95	9.78	-54.71	-13	41.71
QPSK 1.4MHz Bandwidth Middle Channel										
600.00	40.73	348	100	H	-61.73	0.59	-0.65	-62.97	-13	49.97
600.00	39.92	117	100	V	-61.77	0.59	-0.65	-63.01	-13	50.01
3760.00	44.23	340	150	H	-62.55	0.95	9.74	-53.76	-13	40.76
3760.00	43.78	226	100	V	-63.00	0.95	9.74	-54.21	-13	41.21
16-QAM 1.4MHz Bandwidth Middle Channel										
600.00	41.14	192	200	H	-61.32	0.59	-0.65	-62.56	-13	49.56
600.00	40.05	162	150	V	-61.64	0.59	-0.65	-62.88	-13	49.88
3760.00	44.66	77	200	H	-62.12	0.95	9.74	-53.33	-13	40.33
3760.00	44.21	335	150	V	-62.57	0.95	9.74	-53.78	-13	40.78
QPSK 1.4MHz Bandwidth High Channel										
600.00	40.49	178	150	H	-61.97	0.59	-0.65	-63.21	-13	50.21
600.00	39.29	213	150	V	-62.40	0.59	-0.65	-63.64	-13	50.64
3818.60	43.75	96	100	H	-62.84	0.96	9.71	-54.09	-13	41.09
3818.60	43.18	156	200	V	-63.41	0.96	9.71	-54.66	-13	41.66
16-QAM 1.4MHz Bandwidth High Channel										
600.00	41.15	144	200	H	-61.31	0.59	-0.65	-62.55	-13	49.55
600.00	40.04	296	200	V	-61.65	0.59	-0.65	-62.89	-13	49.89
3818.60	44.63	46	200	H	-61.96	0.96	9.71	-53.21	-13	40.21
3818.60	43.65	155	200	V	-62.94	0.96	9.71	-54.19	-13	41.19

LTE Band 4:

Frequency (MHz)	Receiver Reading (dBµV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
266.68	42.24	166	100	H	-61.11	0.45	-2.22	-63.78	-13	50.78
266.68	47.03	263	150	V	-61.45	0.45	-2.22	-64.12	-13	51.12
3421.40	59.62	166	150	H	-48.32	0.93	9.82	-39.43	-13	26.43
3421.40	58.89	209	200	V	-49.05	0.93	9.82	-40.16	-13	27.16
16-QAM 1.4MHz Bandwidth Low Channel										
266.68	43.46	264	100	H	-59.89	0.45	-2.22	-62.56	-13	49.56
266.68	48.21	293	200	V	-60.27	0.45	-2.22	-62.94	-13	49.94
3421.40	60.94	270	150	H	-47.00	0.93	9.82	-38.11	-13	25.11
3421.40	60.26	305	150	V	-47.68	0.93	9.82	-38.79	-13	25.79
QPSK 1.4MHz Bandwidth Middle Channel										
266.68	43.59	112	100	H	-59.76	0.45	-2.22	-62.43	-13	49.43
266.68	48.36	173	100	V	-60.12	0.45	-2.22	-62.79	-13	49.79
3465.00	60.09	199	200	H	-47.66	0.93	9.87	-38.72	-13	25.72
3465.00	59.47	109	100	V	-48.28	0.93	9.87	-39.34	-13	26.34
16-QAM 1.4MHz Bandwidth Middle Channel										
266.68	42.81	354	100	H	-60.54	0.45	-2.22	-63.21	-13	50.21
266.68	47.50	172	100	V	-60.98	0.45	-2.22	-63.65	-13	50.65
3465.00	59.65	166	100	H	-48.10	0.93	9.87	-39.16	-13	26.16
3465.00	58.99	194	200	V	-48.76	0.93	9.87	-39.82	-13	26.82
QPSK 1.4MHz Bandwidth High Channel										
266.68	44.03	190	200	H	-59.32	0.45	-2.22	-61.99	-13	48.99
266.68	48.81	297	100	V	-59.67	0.45	-2.22	-62.34	-13	49.34
3508.60	61.60	85	200	H	-45.97	0.93	9.89	-37.01	-13	24.01
3508.60	60.05	237	200	V	-47.52	0.93	9.89	-38.56	-13	25.56
16-QAM 1.4MHz Bandwidth High Channel										
266.68	43.58	111	200	H	-59.77	0.45	-2.22	-62.44	-13	49.44
266.68	48.32	91	100	V	-60.16	0.45	-2.22	-62.83	-13	49.83
3508.60	60.28	94	200	H	-47.29	0.93	9.89	-38.33	-13	25.33
3508.60	59.92	285	200	V	-47.65	0.93	9.89	-38.69	-13	25.69

LTE Band 25:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
529.19	42.90	269	150	H	-61.32	0.58	-1.57	-63.47	-13	50.47
529.19	39.49	8	200	V	-61.67	0.58	-1.57	-63.82	-13	50.82
3701.40	44.00	127	100	H	-62.96	0.95	9.78	-54.13	-13	41.13
3701.40	43.27	287	200	V	-63.69	0.95	9.78	-54.86	-13	41.86
16-QAM 1.4MHz Bandwidth Low Channel										
529.19	43.21	25	100	H	-61.01	0.58	-1.57	-63.16	-13	50.16
529.19	39.74	154	100	V	-61.42	0.58	-1.57	-63.57	-13	50.57
3701.40	44.37	304	100	H	-62.59	0.95	9.78	-53.76	-13	40.76
3701.40	43.80	38	200	V	-63.16	0.95	9.78	-54.33	-13	41.33
QPSK 1.4MHz Bandwidth Middle Channel										
529.19	43.49	287	150	H	-60.73	0.58	-1.57	-62.88	-13	49.88
529.19	40.08	277	150	V	-61.08	0.58	-1.57	-63.23	-13	50.23
3765.00	44.85	243	100	H	-61.91	0.95	9.74	-53.12	-13	40.12
3765.00	44.13	62	150	V	-62.63	0.95	9.74	-53.84	-13	40.84
16-QAM 1.4MHz Bandwidth Middle Channel										
529.19	42.58	186	200	H	-61.64	0.58	-1.57	-63.79	-13	50.79
529.19	39.26	85	200	V	-61.90	0.58	-1.57	-64.05	-13	51.05
3765.00	43.76	146	200	H	-63.00	0.95	9.74	-54.21	-13	41.21
3765.00	43.18	308	200	V	-63.58	0.95	9.74	-54.79	-13	41.79
QPSK 1.4MHz Bandwidth High Channel										
529.19	42.94	346	200	H	-61.28	0.58	-1.57	-63.43	-13	50.43
529.19	39.50	55	200	V	-61.66	0.58	-1.57	-63.81	-13	50.81
3828.60	44.24	136	150	H	-62.32	0.96	9.70	-53.58	-13	40.58
3828.60	43.76	256	150	V	-62.80	0.96	9.70	-54.06	-13	41.06
16-QAM 1.4MHz Bandwidth High Channel										
529.19	43.44	229	100	H	-60.78	0.58	-1.57	-62.93	-13	49.93
529.19	39.86	136	100	V	-61.30	0.58	-1.57	-63.45	-13	50.45
3828.60	43.46	130	200	H	-63.10	0.96	9.70	-54.36	-13	41.36
3828.60	43.01	85	150	V	-63.55	0.96	9.70	-54.81	-13	41.81

30 MHz ~ 27 GHz:

LTE Band 7:

Frequency (MHz)	Receiver Reading (dBµV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
266.68	41.80	335	100	H	-61.55	0.45	-2.22	-64.22	-25	39.22
266.68	46.62	277	150	V	-61.86	0.45	-2.22	-64.53	-25	39.53
5005.00	61.13	106	200	H	-44.86	1.08	10.30	-35.64	-25	10.64
5005.00	60.50	121	200	V	-45.49	1.08	10.30	-36.27	-25	11.27
16-QAM 5MHz Bandwidth Low Channel										
266.68	42.23	159	150	H	-61.12	0.45	-2.22	-63.79	-25	38.79
266.68	47.03	359	150	V	-61.45	0.45	-2.22	-64.12	-25	39.12
5005.00	62.13	16	200	H	-43.86	1.08	10.30	-34.64	-25	9.64
5005.00	61.54	277	200	V	-44.45	1.08	10.30	-35.23	-25	10.23
QPSK 5MHz Bandwidth Middle Channel										
266.68	42.61	356	100	H	-60.74	0.45	-2.22	-63.41	-25	38.41
266.68	47.32	2	150	V	-61.16	0.45	-2.22	-63.83	-25	38.83
5070.00	62.31	289	200	H	-43.32	1.09	10.30	-34.11	-25	9.11
5070.00	61.56	162	100	V	-44.07	1.09	10.30	-34.86	-25	9.86
16-QAM 5MHz Bandwidth Middle Channel										
266.68	42.03	353	150	H	-61.32	0.45	-2.22	-63.99	-25	38.99
266.68	46.84	305	100	V	-61.64	0.45	-2.22	-64.31	-25	39.31
5070.00	61.66	274	150	H	-43.97	1.09	10.30	-34.76	-25	9.76
5070.00	60.95	70	100	V	-44.68	1.09	10.30	-35.47	-25	10.47
QPSK 5MHz Bandwidth High Channel										
266.68	41.99	69	150	H	-61.36	0.45	-2.22	-64.03	-25	39.03
266.68	46.80	235	150	V	-61.68	0.45	-2.22	-64.35	-25	39.35
5135.00	61.17	39	150	H	-44.10	1.10	10.30	-34.90	-25	9.90
5135.00	60.46	352	150	V	-44.81	1.10	10.30	-35.61	-25	10.61
16-QAM 5MHz Bandwidth High Channel										
266.68	42.46	15	100	H	-60.89	0.45	-2.22	-63.56	-25	38.56
266.68	47.34	120	150	V	-61.14	0.45	-2.22	-63.81	-25	38.81
5135.00	60.43	317	150	H	-44.84	1.10	10.30	-35.64	-25	10.64
5135.00	59.80	208	100	V	-45.47	1.10	10.30	-36.27	-25	11.27

LTE Band 38:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
534.16	42.85	40	200	H	-61.56	0.58	-1.51	-63.65	-25	38.65
534.16	38.96	197	200	V	-62.04	0.58	-1.51	-64.13	-25	39.13
5145.00	58.47	164	150	H	-46.74	1.10	10.30	-37.54	-25	12.54
5145.00	57.89	79	100	V	-47.32	1.10	10.30	-38.12	-25	13.12
16-QAM 5MHz Bandwidth Low Channel										
534.16	43.08	235	200	H	-61.33	0.58	-1.51	-63.42	-25	38.42
534.16	39.25	168	200	V	-61.75	0.58	-1.51	-63.84	-25	38.84
5145.00	59.20	16	100	H	-46.01	1.10	10.30	-36.81	-25	11.81
5145.00	58.67	29	100	V	-46.54	1.10	10.30	-37.34	-25	12.34
QPSK 5MHz Bandwidth Middle Channel										
534.16	43.74	277	200	H	-60.67	0.58	-1.51	-62.76	-25	37.76
534.16	40.08	84	150	V	-60.92	0.58	-1.51	-63.01	-25	38.01
5190.00	58.88	170	100	H	-46.08	1.11	10.30	-36.89	-25	11.89
5190.00	58.50	209	200	V	-46.46	1.11	10.30	-37.27	-25	12.27
16-QAM 5MHz Bandwidth Middle Channel										
534.16	43.94	42	200	H	-60.47	0.58	-1.51	-62.56	-25	37.56
534.16	40.10	285	100	V	-60.90	0.58	-1.51	-62.99	-25	37.99
5190.00	58.66	248	150	H	-46.30	1.11	10.30	-37.11	-25	12.11
5190.00	57.82	164	200	V	-47.14	1.11	10.30	-37.95	-25	12.95
QPSK 5MHz Bandwidth High Channel										
534.16	43.17	44	150	H	-61.24	0.58	-1.51	-63.33	-25	38.33
534.16	39.33	267	200	V	-61.67	0.58	-1.51	-63.76	-25	38.76
5235.00	59.20	64	150	H	-45.51	1.12	10.30	-36.33	-25	11.33
5235.00	58.38	85	200	V	-46.33	1.12	10.30	-37.15	-25	12.15
16-QAM 5MHz Bandwidth High Channel										
534.16	43.61	164	150	H	-60.80	0.58	-1.51	-62.89	-25	37.89
534.16	39.68	139	150	V	-61.32	0.58	-1.51	-63.41	-25	38.41
5235.00	59.32	205	100	H	-45.39	1.12	10.30	-36.21	-25	11.21
5235.00	58.67	333	100	V	-46.04	1.12	10.30	-36.86	-25	11.86

LTE Band 41:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
524.94	43.54	134	200	H	-60.52	0.58	-1.63	-62.73	-25	37.73
524.94	40.39	313	100	V	-60.90	0.58	-1.63	-63.11	-25	38.11
5075.00	59.62	44	100	H	-45.98	1.09	10.30	-36.77	-25	11.77
5075.00	59.13	4	100	V	-46.47	1.09	10.30	-37.26	-25	12.26
16-QAM 5MHz Bandwidth Low Channel										
524.94	43.93	221	150	H	-60.13	0.58	-1.63	-62.34	-25	37.34
524.94	40.77	211	200	V	-60.52	0.58	-1.63	-62.73	-25	37.73
5075.00	60.58	181	100	H	-45.02	1.09	10.30	-35.81	-25	10.81
5075.00	60.02	226	150	V	-45.58	1.09	10.30	-36.37	-25	11.37
QPSK 5MHz Bandwidth Middle Channel										
524.94	43.72	122	100	H	-60.34	0.58	-1.63	-62.55	-25	37.55
524.94	40.67	77	200	V	-60.62	0.58	-1.63	-62.83	-25	37.83
5190.00	59.42	42	150	H	-45.54	1.10	10.30	-36.34	-25	11.34
5190.00	58.85	196	150	V	-46.11	1.10	10.30	-36.91	-25	11.91
16-QAM 5MHz Bandwidth Middle Channel										
524.94	43.21	74	100	H	-60.85	0.58	-1.63	-63.06	-25	38.06
524.94	39.96	36	200	V	-61.33	0.58	-1.63	-63.54	-25	38.54
5190.00	60.64	357	150	H	-44.32	1.10	10.30	-35.12	-25	10.12
5190.00	59.49	138	200	V	-45.47	1.10	10.30	-36.27	-25	11.27
QPSK 5MHz Bandwidth High Channel										
524.94	44.34	188	100	H	-59.72	0.58	-1.63	-61.93	-25	36.93
524.94	41.14	323	150	V	-60.15	0.58	-1.63	-62.36	-25	37.36
5305.00	59.26	9	100	H	-45.06	1.12	10.30	-35.88	-25	10.88
5305.00	58.89	215	150	V	-45.43	1.12	10.30	-36.25	-25	11.25
16-QAM 5MHz Bandwidth High Channel										
524.94	43.92	358	150	H	-60.14	0.58	-1.63	-62.35	-25	37.35
524.94	40.73	359	100	V	-60.56	0.58	-1.63	-62.77	-25	37.77
5305.00	59.07	7	200	H	-45.25	1.12	10.30	-36.07	-25	11.07
5305.00	58.39	281	200	V	-45.93	1.12	10.30	-36.75	-25	11.75

Note:
1) Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)
2) Margin (dB) = Limit (dBm) - Absolute Level (dBm)

SPOT CHECK WITH MAXIMUM CONDUCTED OUTPUT POWER

GPRS/EGPRS 850 Band

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				Maximum ERP (dBm)	ERP Limit (dBm)
			1 slot	2 slots	3 slots	4 slots		
GPRS	128	824.2	31.42	30.18	28.79	27.48	28.97	38.45
	190	836.6	31.98	31.75	29.42	28.31	29.53	38.45
	251	848.8	32.30	31.18	29.80	28.47	29.85	38.45

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				Maximum ERP (dBm)	ERP Limit (dBm)
			1 slot	2 slots	3 slots	4 slots		
EGPRS	128	824.2	29.63	28.48	25.64	24.58	27.18	38.45
	190	836.6	29.80	28.22	25.90	24.28	27.35	38.45
	251	848.8	29.05	28.51	25.84	24.36	26.60	38.45

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
Antenna Gain(dBd) = Antenna Gain(dBi)-2.15

GPRS/EGPRS 1900 Band

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				Maximum EIRP (dBm)	EIRP Limit (dBm)
			1 slot	2 slots	3 slots	4 slots		
GPRS	512	1850.2	28.31	27.88	26.47	25.88	30.62	33
	661	1880	28.91	28.47	27.08	25.32	31.22	33
	810	1909.8	28.47	28.06	26.69	25.54	30.78	33

Mode	Channel	Frequency (MHz)	Average Output Power (dBm)				Maximum EIRP (dBm)	EIRP Limit (dBm)
			1 slot	2 slots	3 slots	4 slots		
EGPRS	512	1850.2	26.99	26.68	25.92	25.02	29.30	33
	661	1880	26.84	26.47	25.54	24.27	29.15	33
	810	1909.8	26.72	26.33	25.37	24.17	29.03	33

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)

WCDMA Band II

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
WCDMA (Band 2)	WCDMA R99		22.20	22.83	22.52	25.14	33
	HSDPA	1	22.71	22.48	22.58	25.02	33
		2	22.64	22.41	22.51	24.95	33
		3	22.53	22.35	22.46	24.84	33
		4	22.48	22.28	22.40	24.79	33
	HSUPA	1	22.41	22.19	22.32	24.72	33
		2	22.37	22.10	22.26	24.68	33
		3	22.30	22.03	22.19	24.61	33
		4	22.22	21.94	22.10	24.53	33
		5	22.16	21.87	22.03	24.47	33
	DC-HSDPA	1	22.08	21.79	21.97	24.39	33
		2	21.94	21.71	21.89	24.25	33
		3	21.88	21.64	21.76	24.19	33
		4	21.75	21.59	21.68	24.06	33
	HSPA+	1	21.62	21.48	21.52	23.93	33

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
Limit: EIRP≤33dBm

WCDMA Band V

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
WCDMA (Band 5)	RMC12.2k		22.42	22.84	22.18	20.39	38.5
	HSDPA	1	22.81	22.08	22.52	20.39	38.5
		2	22.75	21.95	22.48	20.30	38.5
		3	22.72	21.91	22.41	20.27	38.5
		4	22.70	21.82	22.32	20.25	38.5
	HSUPA	1	22.58	21.71	22.28	20.13	38.5
		2	22.49	21.69	22.21	20.04	38.5
		3	22.41	21.62	22.16	19.96	38.5
		4	22.38	21.58	22.08	19.93	38.5
		5	22.25	21.56	22.01	19.80	38.5
	HSPA+	1	21.94	21.33	21.94	19.49	38.5

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
Antenna Gain(dBd) = Antenna Gain(dBi)-2.15
Limit: ERP≤38.5dBm

WCDMA Band IV

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
WCDMA (Band 4)	RMC12.2k		22.09	22.55	22.69	24.57	30
	HSDPA	1	22.48	22.62	22.42	24.50	30
		2	22.43	22.54	22.35	24.42	30
		3	22.37	22.46	22.29	24.34	30
		4	22.31	22.24	22.2	24.19	30
	HSUPA	1	22.26	22.13	22.15	24.14	30
		2	22.21	22.04	22.06	24.09	30
		3	22.15	21.96	21.94	24.03	30
		4	22.09	21.88	21.88	23.97	30
		5	21.92	21.75	21.79	23.80	30
	HSPA+	1	21.84	21.64	21.64	23.72	30

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
Limit: EIRP≤30dBm

LTE Band 2

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
1.4	QPSK	1#0	22.23	22.18	22.38	24.69	33
		1#3	22.24	22.18	22.11	24.55	33
		1#5	22.08	22.03	22.31	24.62	33
		3#0	22.29	22.20	22.21	24.6	33
		3#3	22.27	22.17	22.02	24.58	33
		6#0	21.26	21.95	21.91	24.26	33
	16QAM	1#0	21.61	21.17	21.83	24.14	33
		1#3	21.93	21.66	21.13	24.24	33
		1#5	21.46	21.07	21.28	23.77	33
		3#0	20.77	20.04	20.62	23.08	33
		3#3	20.63	20.66	20.12	22.97	33
		6#0	20.13	20.58	20.66	22.97	33
3	QPSK	1#0	22.18	22.28	22.22	24.59	33
		1#8	22.12	22.38	22.14	24.69	33
		1#14	22.31	22.40	22.10	24.71	33
		6#0	21.95	21.05	21.27	24.26	33
		6#9	21.22	21.21	21.05	23.53	33
		15#0	21.18	21.55	21.24	23.86	33
	16QAM	1#0	21.53	21.12	21.80	24.11	33
		1#8	21.19	21.31	21.37	23.68	33
		1#14	21.59	21.53	21.40	23.9	33
		6#0	20.89	20.22	20.33	23.2	33
		6#9	20.02	20.58	20.20	22.89	33
		15#0	20.12	20.92	20.38	23.23	33

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.33	22.32	22.29	24.64	33
		1#13	22.30	22.27	22.21	24.61	33
		1#24	22.49	22.05	22.47	24.80	33
		15#0	21.48	21.83	21.84	24.15	33
		15#10	21.06	21.80	21.77	24.11	33
		25#0	21.43	21.19	21.05	23.74	33
	16QAM	1#0	21.31	21.10	21.89	24.2	33
		1#13	21.55	21.14	21.97	24.28	33
		1#24	21.45	21.01	21.08	23.76	33
		15#0	20.88	20.57	20.66	23.19	33
		15#10	20.74	20.57	20.99	23.3	33
		25#0	20.25	20.69	20.66	23.00	33
10	QPSK	1#0	22.29	22.44	22.24	24.75	33
		1#25	22.35	22.14	22.22	24.66	33
		1#49	22.21	22.16	22.12	24.52	33
		25#0	21.29	21.02	21.20	23.60	33
		25#25	21.27	21.09	21.80	24.11	33
		50#0	21.82	21.90	21.49	24.21	33
	16QAM	1#0	21.41	21.17	21.68	23.99	33
		1#25	21.18	21.27	21.51	23.82	33
		1#49	21.51	21.15	21.63	23.94	33
		25#0	20.51	20.13	20.36	22.82	33
		25#25	20.29	20.73	20.00	23.04	33
		50#0	20.48	20.61	20.00	22.92	33

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
15	QPSK	1#0	22.28	22.02	22.00	24.59	33
		1#38	22.27	22.22	22.10	24.58	33
		1#74	22.08	22.19	22.16	24.5	33
		36#0	21.87	21.26	21.07	24.18	33
		36#39	21.59	21.78	21.84	24.15	33
		75#0	21.16	21.54	21.02	23.85	33
	16QAM	1#0	21.13	21.38	21.90	24.21	33
		1#38	21.78	21.29	21.58	24.09	33
		1#74	21.61	21.16	21.78	24.09	33
		36#0	20.59	20.52	20.79	23.1	33
		36#39	20.58	20.23	20.77	23.08	33
		75#0	20.89	20.71	20.47	23.2	33
20	QPSK	1#0	22.32	22.11	22.28	24.63	33
		1#50	22.32	22.21	22.12	24.63	33
		1#99	22.23	22.29	22.12	24.6	33
		50#0	21.17	21.02	21.74	24.05	33
		50#50	21.24	21.29	21.34	23.65	33
		100#0	21.84	21.57	21.01	24.15	33
	16QAM	1#0	21.79	21.98	21.61	24.29	33
		1#50	21.80	21.65	21.95	24.26	33
		1#99	21.92	21.24	21.14	24.23	33
		50#0	20.85	20.94	20.53	23.25	33
		50#50	20.20	20.07	20.28	22.59	33
		100#0	20.93	20.95	20.68	23.26	33

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
Limit: EIRP≤33dBm

LTE Band 4

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
1.4	QPSK	1#0	22.01	22.29	22.49	24.37	30
		1#3	22.03	22.43	22.50	24.38	30
		1#5	22.35	22.21	22.30	24.23	30
		3#0	21.33	21.10	21.40	23.28	30
		3#3	21.61	21.99	21.75	23.87	30
		6#0	21.96	21.80	21.46	23.84	30
	16QAM	1#0	21.69	21.96	21.10	23.84	30
		1#3	21.91	21.63	21.22	23.79	30
		1#5	21.17	21.92	21.07	23.80	30
		3#0	20.37	20.40	20.01	22.28	30
		3#3	20.71	20.17	20.33	22.59	30
		6#0	20.78	20.36	20.39	22.66	30
3	QPSK	1#0	22.32	22.13	22.10	24.2	30
		1#8	22.48	22.25	22.10	24.36	30
		1#14	22.11	22.47	22.32	24.35	30
		6#0	21.52	21.07	21.28	23.40	30
		6#9	21.57	21.19	21.84	23.72	30
		15#0	21.57	21.15	21.37	23.45	30
	16QAM	1#0	21.01	21.09	21.56	23.44	30
		1#8	21.77	21.65	21.41	23.65	30
		1#14	21.57	21.37	21.73	23.61	30
		6#0	20.80	20.28	20.53	22.68	30
		6#9	20.59	20.30	20.17	22.47	30
		15#0	20.57	20.89	20.45	22.77	30

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.14	22.33	22.13	24.21	30
		1#13	22.49	22.46	22.43	24.37	30
		1#24	22.36	22.49	22.14	24.37	30
		15#0	21.72	21.43	21.47	23.60	30
		15#10	21.36	21.75	21.86	23.74	30
		25#0	21.40	21.72	21.42	23.60	30
	16QAM	1#0	21.42	21.60	21.09	23.48	30
		1#13	21.45	21.37	21.61	23.49	30
		1#24	21.24	21.37	21.44	23.32	30
		15#0	20.76	20.02	20.10	22.64	30
		15#10	20.60	20.98	20.70	22.86	30
		25#0	20.60	20.69	20.22	22.57	30
10	QPSK	1#0	22.39	22.39	22.26	24.27	30
		1#25	22.49	22.14	22.01	24.37	30
		1#49	22.02	22.04	22.31	24.19	30
		25#0	21.31	21.59	21.50	23.47	30
		25#25	21.85	21.74	21.25	23.73	30
		50#0	21.95	21.59	21.34	23.83	30
	16QAM	1#0	21.03	21.38	21.91	23.79	30
		1#25	21.22	21.23	22.00	23.88	30
		1#49	21.85	21.51	21.58	23.73	30
		25#0	20.12	20.13	20.67	22.55	30
		25#25	20.86	20.21	20.02	22.74	30
		50#0	20.94	20.12	20.77	22.82	30

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
15	QPSK	1#0	22.24	22.05	22.11	24.12	30
		1#38	22.22	22.05	22.29	24.17	30
		1#74	22.20	22.46	22.33	24.34	30
		36#0	21.52	21.49	21.32	23.4	30
		36#39	21.03	21.36	21.51	23.39	30
		75#0	21.31	21.30	21.81	23.69	30
	16QAM	1#0	21.67	21.59	21.30	23.55	30
		1#38	21.06	21.16	21.91	23.79	30
		1#74	21.99	21.26	21.61	23.87	30
		36#0	20.25	20.54	20.61	22.49	30
		36#39	20.80	20.52	20.52	22.68	30
		75#0	20.08	20.83	20.28	22.71	30
20	QPSK	1#0	22.07	22.42	22.31	24.3	30
		1#50	22.38	22.46	22.43	24.34	30
		1#99	22.35	22.05	22.45	24.33	30
		50#0	21.53	21.86	21.14	23.74	30
		50#50	21.08	21.12	21.33	23.21	30
		100#0	21.01	21.49	21.60	23.48	30
	16QAM	1#0	21.38	21.67	21.34	23.55	30
		1#50	21.34	21.29	21.67	23.55	30
		1#99	21.60	21.67	21.26	23.55	30
		50#0	20.14	20.64	20.11	22.52	30
		50#50	20.59	20.72	20.91	22.79	30
		100#0	20.80	20.09	20.71	24.12	30

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
Limit: EIRP≤30dBm

LTE Band 5

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	Mid	High		
1.4	QPSK	1#0	22.36	22.48	22.20	20.03	38.45
		1#3	22.41	22.28	22.05	19.96	38.45
		1#5	22.47	22.06	22.46	20.02	38.45
		3#0	21.03	21.08	21.74	19.29	38.45
		3#3	21.76	21.63	21.36	19.31	38.45
		6#0	21.50	21.17	21.21	19.05	38.45
	16QAM	1#0	21.91	21.15	21.45	19.46	38.45
		1#3	21.63	21.23	21.94	19.49	38.45
		1#5	21.18	21.19	21.70	19.25	38.45
		3#0	20.58	20.10	20.36	18.13	38.45
		3#3	20.43	20.64	20.88	18.43	38.45
		6#0	20.32	20.18	20.58	18.13	38.45
3	QPSK	1#0	22.07	22.08	22.14	19.69	38.45
		1#8	22.23	22.08	22.05	19.78	38.45
		1#14	22.33	22.29	22.10	19.88	38.45
		6#0	21.41	21.97	21.02	19.52	38.45
		6#9	21.99	21.27	21.20	19.54	38.45
		15#0	21.48	21.57	21.36	19.12	38.45
	16QAM	1#0	21.83	21.27	21.70	19.38	38.45
		1#8	21.62	21.08	21.98	19.53	38.45
		1#14	21.45	21.63	21.74	19.29	38.45
		6#0	20.94	20.31	20.43	18.49	38.45
		6#9	20.17	20.56	20.95	18.5	38.45
		15#0	20.37	20.38	20.59	18.14	38.45

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.07	22.22	22.06	19.77	38.45
		1#13	22.47	22.33	22.13	20.02	38.45
		1#24	22.39	22.34	22.30	19.94	38.45
		15#0	21.60	21.18	21.14	19.15	38.45
		15#10	21.46	21.83	21.05	19.38	38.45
		25#0	21.63	21.92	21.87	19.47	38.45
	16QAM	1#0	21.45	21.67	21.06	19.22	38.45
		1#13	21.27	21.70	21.24	19.25	38.45
		1#24	21.32	21.58	21.29	19.13	38.45
		15#0	20.30	20.52	20.56	18.11	38.45
		15#10	20.93	20.97	20.49	18.52	38.45
		25#0	20.04	20.36	20.56	18.11	38.45
10	QPSK	1#0	22.33	22.50	22.19	20.05	38.45
		1#25	22.48	22.03	22.37	20.03	38.45
		1#49	22.22	22.01	22.15	19.77	38.45
		25#0	21.34	21.09	21.48	19.03	38.45
		25#25	21.04	21.51	21.94	19.49	38.45
		50#0	21.46	21.33	21.81	19.36	38.45
	16QAM	1#0	21.43	21.66	21.65	19.21	38.45
		1#25	21.83	21.08	21.24	19.38	38.45
		1#49	21.23	21.94	21.18	19.49	38.45
		25#0	20.19	20.98	20.91	18.53	38.45
		25#25	20.09	20.66	20.61	18.21	38.45
		50#0	20.40	20.66	20.47	18.21	38.45

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
Antenna Gain(dBd) = Antenna Gain(dBi)-2.15
Limit: ERP≤38.45dBm

LTE Band 7

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	ERIP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.02	22.24	22.13	23.95	33
		1#13	22.49	22.17	22.17	24.2	33
		1#24	22.17	22.05	22.23	23.94	33
		15#0	21.12	21.35	21.86	23.57	33
		15#10	21.11	21.27	21.84	23.55	33
		25#0	21.38	21.69	21.23	23.40	33
	16QAM	1#0	21.59	21.38	21.75	23.46	33
		1#13	21.56	21.23	21.74	23.45	33
		1#24	21.50	21.72	21.28	23.43	33
		15#0	20.82	20.61	20.38	22.53	33
		15#10	20.21	20.17	20.47	22.18	33
		25#0	20.81	20.14	20.62	22.52	33
10	QPSK	1#0	22.41	22.40	22.50	24.21	33
		1#25	22.23	22.41	22.24	24.12	33
		1#49	22.05	22.46	22.47	24.18	33
		25#0	21.83	21.98	21.01	23.69	33
		25#25	22.00	21.53	21.17	23.71	33
		50#0	21.23	21.68	21.70	23.41	33
	16QAM	1#0	21.29	21.27	21.25	23.00	33
		1#25	21.53	21.01	21.20	23.24	33
		1#49	21.04	21.02	21.82	23.53	33
		25#0	20.20	20.51	21.00	22.71	33
		25#25	20.67	20.84	20.50	22.55	33
		50#0	20.20	20.62	20.25	22.33	33

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	ERIP Limit (dBm)
			Low	Mid	High		
15	QPSK	1#0	22.18	22.29	22.13	24.00	33
		1#38	22.14	22.17	22.46	24.17	33
		1#74	22.35	22.34	22.21	24.06	33
		36#0	21.67	21.99	21.36	23.7	33
		36#39	21.45	21.51	21.52	23.23	33
		75#0	21.74	21.59	21.11	23.45	33
	16QAM	1#0	21.17	21.49	21.88	23.59	33
		1#38	21.79	21.37	21.05	23.50	33
		1#74	21.35	21.10	21.03	23.06	33
		36#0	20.45	20.84	20.17	22.55	33
		36#39	20.78	20.12	20.72	22.49	33
		75#0	20.17	20.55	20.49	22.26	33
20	QPSK	1#0	22.44	22.38	22.35	24.15	33
		1#50	22.10	22.09	22.27	23.98	33
		1#99	22.43	22.28	22.16	24.14	33
		50#0	21.04	21.10	21.10	22.81	33
		50#50	21.39	21.53	21.15	23.24	33
		100#0	21.97	21.17	21.12	23.68	33
	16QAM	1#0	21.31	21.61	21.17	23.32	33
		1#50	21.92	21.62	21.86	23.63	33
		1#99	21.64	21.01	21.68	23.39	33
		50#0	20.72	20.66	20.32	22.43	33
		50#50	20.06	20.60	20.09	22.31	33
		100#0	20.56	20.24	20.55	22.27	33

Note: EIRP (dBm) = Conducted Power(dBm) + Antenna Gain(dBi)
Limit: EIRP≤33dBm

LTE Band 12

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	Mid	High		
1.4	QPSK	1#0	22.12	22.28	22.40	18.23	34.77
		1#3	22.29	22.48	22.50	18.33	34.77
		1#5	22.40	22.39	22.46	18.29	34.77
		3#0	21.89	21.84	21.59	17.72	34.77
		3#3	21.30	21.82	21.37	17.65	34.77
		6#0	21.83	21.37	21.97	17.8	34.77
	16QAM	1#0	21.14	21.64	21.78	17.61	34.77
		1#3	21.59	21.32	21.41	17.42	34.77
		1#5	21.59	21.81	21.82	17.65	34.77
		3#0	20.77	20.06	20.98	16.81	34.77
		3#3	20.91	20.95	20.12	16.78	34.77
		6#0	20.54	20.04	20.84	16.67	34.77
3	QPSK	1#0	22.42	22.36	22.27	18.25	34.77
		1#8	22.30	22.41	22.33	18.24	34.77
		1#14	22.13	22.27	22.22	18.1	34.77
		6#0	21.88	21.19	21.62	17.71	34.77
		6#9	21.46	21.79	21.12	17.62	34.77
		15#0	21.67	21.55	21.69	17.52	34.77
	16QAM	1#0	21.51	21.37	21.07	17.34	34.77
		1#8	21.93	21.58	21.58	17.76	34.77
		1#14	21.33	21.36	21.40	17.23	34.77
		6#0	20.38	20.17	20.27	16.21	34.77
		6#9	20.45	20.86	20.74	16.69	34.77
		15#0	20.83	20.90	20.70	16.73	34.77

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.49	22.40	22.09	18.32	34.77
		1#13	22.09	22.04	22.00	17.92	34.77
		1#24	22.49	22.24	22.21	18.32	34.77
		15#0	21.43	21.77	21.75	17.6	34.77
		15#10	21.78	21.08	21.25	17.61	34.77
		25#0	21.01	21.70	21.70	17.53	34.77
	16QAM	1#0	21.67	21.48	21.23	17.5	34.77
		1#13	21.02	21.30	21.70	17.53	34.77
		1#24	21.74	21.43	21.14	17.57	34.77
		15#0	20.38	20.55	20.34	16.38	34.77
		15#10	20.50	20.37	20.02	16.33	34.77
		25#0	20.10	20.06	20.32	16.15	34.77
10	QPSK	1#0	22.29	22.11	22.14	18.12	34.77
		1#25	22.45	22.47	22.19	18.3	34.77
		1#49	22.06	22.44	22.39	18.27	34.77
		25#0	21.68	21.23	21.08	17.51	34.77
		25#25	21.73	21.07	21.36	17.56	34.77
		50#0	21.58	21.95	21.12	17.78	34.77
	16QAM	1#0	21.79	21.14	21.31	17.62	34.77
		1#25	21.26	21.73	21.74	17.57	34.77
		1#49	21.97	21.22	21.29	17.8	34.77
		25#0	20.59	20.62	20.15	16.45	34.77
		25#25	20.97	20.19	20.15	16.8	34.77
		50#0	20.65	20.71	20.27	16.54	34.77

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
Antenna Gain(dBd) = Antenna Gain(dBi)-2.15
Limit: ERP≤ 34.77dBm

LTE Band 17

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.05	22.38	22.47	18.30	34.77
		1#13	22.07	22.05	22.45	18.28	34.77
		1#24	22.45	22.22	22.07	18.28	34.77
		15#0	21.85	21.07	21.07	17.68	34.77
		15#10	21.47	21.61	21.95	17.78	34.77
		25#0	21.95	21.08	21.19	17.78	34.77
	16QAM	1#0	21.34	21.63	21.10	17.46	34.77
		1#13	21.25	21.60	21.61	17.44	34.77
		1#24	21.42	21.27	21.46	17.29	34.77
		15#0	20.57	20.11	20.14	16.40	34.77
		15#10	20.43	20.64	20.98	16.81	34.77
		25#0	21.00	20.09	20.06	16.83	34.77
10	QPSK	1#0	22.03	22.44	22.31	18.27	34.77
		1#25	22.40	22.14	22.09	18.23	34.77
		1#49	22.03	22.48	22.42	18.31	34.77
		25#0	21.20	21.43	21.25	17.26	34.77
		25#25	21.86	21.77	21.60	17.69	34.77
		50#0	21.30	21.86	21.09	17.69	34.77
	16QAM	1#0	21.45	21.48	21.71	17.54	34.77
		1#25	21.13	21.46	21.51	17.34	34.77
		1#49	21.58	21.43	21.89	17.72	34.77
		25#0	20.39	20.11	20.74	16.57	34.77
		25#25	20.37	20.63	20.90	16.73	34.77
		50#0	20.43	20.02	20.19	16.26	34.77

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
Antenna Gain(dBd) = Antenna Gain(dBi)-2.15
Limit: ERP≤ 34.77dBm

LTE Band 25

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
1.4	QPSK	1#0	22.27	22.19	22.31	24.62	33
		1#3	22.09	22.38	22.49	24.8	33
		1#5	22.07	22.39	22.05	24.7	33
		3#0	21.69	21.12	21.40	24.00	33
		3#3	21.06	21.72	21.54	24.03	33
		6#0	21.46	21.97	21.29	24.28	33
	16QAM	1#0	21.08	21.67	21.79	24.10	33
		1#3	21.10	21.51	21.98	24.29	33
		1#5	21.25	21.55	21.20	23.86	33
		3#0	20.91	20.85	20.70	23.22	33
		3#3	20.27	20.30	20.09	22.61	33
		6#0	20.89	20.01	20.45	23.20	33
3	QPSK	1#0	22.27	22.37	22.31	24.68	33
		1#8	22.12	22.13	22.14	24.45	33
		1#14	22.14	22.41	22.21	24.72	33
		6#0	21.38	21.15	21.71	24.02	33
		6#9	21.39	21.63	21.76	24.07	33
		15#0	21.96	21.15	21.10	24.27	33
	16QAM	1#0	21.04	21.95	21.90	24.26	33
		1#8	21.42	21.11	21.28	23.73	33
		1#14	21.15	21.23	21.42	23.73	33
		6#0	20.09	20.22	20.35	22.66	33
		6#9	20.34	20.18	20.60	22.91	33
		15#0	20.48	20.19	20.33	22.79	33

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.06	22.45	22.21	24.76	33
		1#13	22.36	22.03	22.50	24.81	33
		1#24	22.14	22.02	22.28	24.59	33
		15#0	21.08	21.47	21.74	24.05	33
		15#10	21.87	21.45	21.04	24.18	33
		25#0	21.70	21.88	21.29	24.19	33
	16QAM	1#0	21.97	21.95	21.58	24.28	33
		1#13	21.85	21.92	21.39	24.23	33
		1#24	21.60	21.91	21.64	24.22	33
		15#0	20.28	20.55	20.32	22.86	33
		15#10	20.06	20.74	20.64	23.05	33
		25#0	20.03	20.72	20.10	23.03	33
10	QPSK	1#0	22.43	22.11	22.41	24.74	33
		1#25	22.47	22.38	22.23	24.78	33
		1#49	22.02	22.37	22.13	24.68	33
		25#0	21.70	21.45	21.36	24.01	33
		25#25	21.22	21.40	21.99	24.30	33
		50#0	21.60	21.82	21.62	24.13	33
	16QAM	1#0	21.95	21.52	21.95	24.26	33
		1#25	21.30	21.23	21.18	23.61	33
		1#49	21.73	21.98	21.86	24.29	33
		25#0	20.05	20.15	20.40	22.71	33
		25#25	20.68	20.85	20.33	23.16	33
		50#0	20.79	20.77	20.19	23.10	33

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
15	QPSK	1#0	22.06	22.18	22.33	24.64	33
		1#38	22.26	22.06	22.29	24.60	33
		1#74	22.45	22.39	22.07	24.76	33
		36#0	21.96	21.51	21.98	24.29	33
		36#39	21.99	21.31	21.15	24.30	33
		75#0	21.22	21.37	21.88	24.19	33
	16QAM	1#0	21.90	21.94	21.51	24.25	33
		1#38	21.77	21.56	21.66	24.08	33
		1#74	21.22	21.66	21.33	23.97	33
		36#0	20.10	21.00	20.33	23.31	33
		36#39	20.46	20.41	20.66	22.97	33
		75#0	20.82	20.20	20.08	23.13	33
20	QPSK	1#0	22.05	22.01	22.09	24.40	33
		1#50	22.04	22.48	22.40	24.79	33
		1#99	22.41	22.18	22.42	24.73	33
		50#0	21.74	21.27	21.27	24.05	33
		50#50	21.43	21.47	21.75	24.06	33
		100#0	21.61	21.28	21.57	23.92	33
	16QAM	1#0	21.20	21.37	21.28	23.68	33
		1#50	21.24	21.07	21.69	24.00	33
		1#99	21.55	21.30	21.77	24.08	33
		50#0	20.71	20.95	20.78	23.26	33
		50#50	20.08	20.56	20.72	23.03	33
		100#0	20.89	20.60	20.34	23.20	33

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
Limit: EIRP≤33dBm

LTE Band 26 (814-824MHz)

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	High	Cross		
1.4	QPSK	1#0	22.15	22.40	22.37	19.95	50
		1#3	22.12	22.26	22.02	19.81	50
		1#5	22.31	22.18	22.27	19.86	50
		3#0	21.59	21.04	21.81	19.36	50
		3#3	21.42	21.07	21.56	19.11	50
		6#0	21.65	21.31	21.60	19.2	50
	16QAM	1#0	21.96	21.77	21.91	19.51	50
		1#3	21.05	21.80	21.91	19.46	50
		1#5	21.28	21.64	21.68	19.23	50
		3#0	20.14	20.12	20.64	18.19	50
		3#3	20.43	20.76	20.45	18.31	50
		6#0	20.19	20.84	20.45	18.39	50
3	QPSK	1#0	22.40	22.46	22.20	20.01	50
		1#8	22.26	22.42	22.02	19.97	50
		1#14	22.28	22.12	22.49	20.04	50
		6#0	21.25	21.98	21.71	19.53	50
		6#9	21.29	21.45	21.67	19.22	50
		15#0	21.03	21.92	21.58	19.47	50
	16QAM	1#0	21.99	21.07	21.04	19.54	50
		1#8	21.18	21.10	21.91	19.46	50
		1#14	21.46	21.12	21.54	19.09	50
		6#0	20.06	20.00	20.03	17.61	50
		6#9	20.90	20.90	20.68	18.45	50
		15#0	20.72	20.71	20.61	18.27	50
5	QPSK	1#0	22.28	22.11	22.36	19.91	50
		1#13	22.04	22.17	22.29	19.84	50
		1#24	22.37	22.31	22.48	20.03	50
		15#0	21.79	21.18	21.01	19.34	50
		15#10	21.72	21.83	21.79	19.38	50
		25#0	21.03	21.16	21.15	18.71	50
	16QAM	1#0	21.34	21.29	21.20	18.89	50
		1#13	21.29	21.34	21.74	19.29	50
		1#24	21.79	21.75	21.58	19.34	50
		15#0	20.60	20.22	20.21	18.15	50
		15#10	20.05	20.05	20.15	17.70	50
		25#0	20.25	20.25	20.94	18.49	50

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	High	Cross		
10	QPSK	1#0	24.59	/	24.61	22.16	50
		1#25	25.06	/	25.24	22.79	50
		1#49	24.84	/	24.78	22.39	50
		25#0	25.01	/	25.02	22.57	50
		25#25	25.49	/	25.46	23.04	50
		50#0	24.56	/	24.56	22.11	50
	16QAM	1#0	24.97	/	25.47	23.02	50
		1#25	25.15	/	25.27	22.82	50
		1#49	25.31	/	24.96	22.86	50
		25#0	24.96	/	24.56	22.51	50
		25#25	25.48	/	25.18	23.03	50
		50#0	24.95	/	24.84	22.50	50
15	QPSK	1#0	25.37	/	24.96	22.92	50
		1#38	25.09	/	25.43	22.98	50
		1#74	24.89	/	24.73	22.44	50
		36#0	24.60	/	25.13	22.68	50
		36#39	24.73	/	24.71	22.28	50
		75#0	25.27	/	25.34	22.89	50
	16QAM	1#0	25.41	/	24.79	22.96	50
		1#38	25.14	/	25.02	22.69	50
		1#74	25.16	/	24.67	22.71	50
		36#0	24.68	/	24.51	22.23	50
		36#39	24.96	/	24.67	22.51	50
		75#0	24.75	/	24.52	22.30	50

LTE Band 26(824-849MHz)

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	Mid	High		
1.4	QPSK	1#0	22.67	21.79	22.54	20.22	38.45
		1#3	21.68	21.02	22.79	20.34	38.45
		1#5	22.72	21.63	21.21	20.27	38.45
		3#0	22.47	22.52	22.92	20.47	38.45
		3#3	21.79	22.99	22.98	20.54	38.45
		6#0	21.42	22.15	21.95	19.70	38.45
	16QAM	1#0	21.36	22.71	22.27	20.26	38.45
		1#3	22.53	22.49	22.96	20.51	38.45
		1#5	22.14	21.01	22.23	19.78	38.45
		3#0	21.19	22.42	21.14	19.97	38.45
		3#3	22.73	22.53	22.42	20.28	38.45
		6#0	22.91	21.64	21.11	20.46	38.45
3	QPSK	1#0	21.95	22.59	22.58	20.14	38.45
		1#8	21.16	22.17	21.91	19.72	38.45
		1#14	21.74	22.49	21.39	20.04	38.45
		6#0	21.86	21.09	22.05	19.60	38.45
		6#9	22.36	22.46	21.92	20.01	38.45
		15#0	21.54	21.35	21.72	19.27	38.45
	16QAM	1#0	22.32	22.94	22.97	20.52	38.45
		1#8	21.58	21.33	22.72	20.27	38.45
		1#14	21.47	22.96	21.22	20.51	38.45
		6#0	21.91	21.40	22.44	19.99	38.45
		6#9	21.31	21.87	22.37	19.92	38.45
		15#0	22.13	22.77	22.56	20.32	38.45
5	QPSK	1#0	22.01	22.70	22.56	20.25	38.45
		1#13	22.23	22.58	21.41	20.13	38.45
		1#24	21.66	22.85	22.55	20.40	38.45
		15#0	21.36	22.24	22.60	20.15	38.45
		15#10	22.88	22.61	22.08	20.43	38.45
		25#0	21.33	21.94	21.79	19.49	38.45
	16QAM	1#0	21.40	22.08	21.11	19.63	38.45
		1#13	22.54	21.23	21.31	20.09	38.45
		1#24	21.23	22.96	21.99	20.51	38.45
		15#0	21.66	22.07	22.84	20.39	38.45
		15#10	21.92	22.48	21.55	20.03	38.45
		25#0	22.55	21.16	21.70	20.10	38.45

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
			Low	Mid	High		
10	QPSK	1#0	22.09	22.31	22.99	20.54	38.45
		1#25	22.32	22.13	22.04	19.87	38.45
		1#49	22.53	22.48	22.98	20.53	38.45
		25#0	22.60	22.53	22.67	20.22	38.45
		25#25	22.73	22.42	22.14	20.28	38.45
		50#0	21.85	21.79	21.82	19.40	38.45
	16QAM	1#0	22.62	21.93	22.45	20.17	38.45
		1#25	21.77	22.06	22.82	20.37	38.45
		1#49	22.28	22.11	21.92	19.83	38.45
		25#0	21.14	21.26	21.27	18.82	38.45
		25#25	21.67	21.08	21.90	19.45	38.45
		50#0	21.21	21.08	21.82	19.37	38.45
15	QPSK	1#0	22.14	22.03	22.65	20.20	38.45
		1#38	22.57	22.43	22.22	20.12	38.45
		1#74	22.05	22.13	22.53	20.08	38.45
		36#0	21.59	21.44	21.36	19.14	38.45
		36#39	22.22	21.83	21.67	19.77	38.45
		75#0	22.07	21.98	22.13	19.68	38.45
	16QAM	1#0	22.01	22.03	22.48	20.03	38.45
		1#38	22.77	22.36	21.57	20.32	38.45
		1#74	21.83	22.12	22.05	19.67	38.45
		36#0	21.02	20.96	21.10	18.65	38.45
		36#39	21.26	20.81	21.12	18.81	38.45
		75#0	21.36	21.29	21.68	19.23	38.45

Note: ERP (dBm) = Conducted Power (dBm) + Antenna Gain (dBd)
Antenna Gain (dBd) = Antenna Gain (dBi)-2.15
Limit: ERP≤38.45dBm (Part 22H), ERP≤50dBm (Part 90S)

LTE Band 38

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.02	22.28	22.11	23.98	33
		1#13	22.08	22.33	22.36	24.06	33
		1#24	22.27	22.05	22.40	24.1	33
		15#0	21.90	21.10	21.17	23.6	33
		15#10	21.94	21.82	21.15	23.64	33
		25#0	21.89	21.95	21.19	23.65	33
	16QAM	1#0	21.39	21.82	21.34	23.52	33
		1#13	21.88	21.05	21.03	23.58	33
		1#24	21.76	21.29	21.60	23.46	33
		15#0	20.83	21.00	20.01	22.7	33
		15#10	20.23	20.85	20.60	22.55	33
		25#0	20.53	20.37	20.81	22.51	33
10	QPSK	1#0	22.21	22.00	22.37	24.07	33
		1#25	22.24	22.22	22.43	24.13	33
		1#49	22.16	22.17	22.42	24.12	33
		25#0	21.28	21.83	21.37	23.53	33
		25#25	21.63	21.37	21.43	23.33	33
		50#0	21.56	21.48	21.48	23.26	33
	16QAM	1#0	21.31	21.86	21.45	23.56	33
		1#25	21.53	21.58	21.48	23.28	33
		1#49	21.65	21.59	21.15	23.35	33
		25#0	20.02	20.02	20.50	22.2	33
		25#25	20.52	21.00	20.91	22.7	33
		50#0	20.09	20.94	20.98	22.68	33

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
15	QPSK	1#0	22.02	22.29	22.01	23.99	33
		1#38	22.03	22.45	22.45	24.15	33
		1#74	22.04	22.20	22.04	23.9	33
		36#0	21.49	21.08	21.74	23.44	33
		36#39	21.20	21.57	21.01	23.27	33
		75#0	21.49	21.87	21.79	23.57	33
	16QAM	1#0	21.90	21.10	21.95	23.65	33
		1#38	21.18	21.40	21.00	23.10	33
		1#74	21.99	21.16	21.33	23.69	33
		36#0	20.47	20.08	20.85	22.55	33
		36#39	20.49	20.89	20.77	22.59	33
		75#0	20.84	20.94	20.10	22.64	33
20	QPSK	1#0	22.23	22.50	22.02	24.20	33
		1#50	22.21	22.35	22.11	24.05	33
		1#99	22.17	22.38	22.16	24.08	33
		50#0	21.15	21.33	21.15	23.03	33
		50#50	21.49	21.64	21.62	23.34	33
		100#0	21.84	21.31	21.12	23.54	33
	16QAM	1#0	21.76	21.84	21.04	23.54	33
		1#50	21.92	21.25	21.68	23.62	33
		1#99	21.09	21.70	21.91	23.61	33
		50#0	20.84	20.87	20.73	22.57	33
		50#50	20.07	20.01	20.80	22.50	33
		100#0	20.48	20.53	20.63	22.33	33

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
Limit: EIRP≤33dBm

LTE Band 41

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
5	QPSK	1#0	22.11	22.46	22.47	24.40	33
		1#13	22.11	22.37	22.49	24.42	33
		1#24	22.36	22.45	22.27	24.38	33
		15#0	21.13	21.74	21.36	23.67	33
		15#10	21.43	21.38	21.04	23.36	33
		25#0	21.81	21.77	22.00	23.93	33
	16QAM	1#0	21.75	21.20	21.98	23.91	33
		1#13	21.19	21.55	21.04	23.48	33
		1#24	21.28	21.68	21.55	23.61	33
		15#0	20.10	20.01	20.55	22.48	33
		15#10	20.74	20.29	20.10	22.67	33
		25#0	20.88	20.77	20.20	22.81	33
10	QPSK	1#0	22.34	22.48	22.18	24.41	33
		1#25	22.17	22.22	22.30	24.23	33
		1#49	22.08	22.17	22.23	24.16	33
		25#0	21.38	21.28	21.25	23.31	33
		25#25	21.13	21.30	21.54	23.47	33
		50#0	21.01	21.02	21.60	23.53	33
	16QAM	1#0	21.93	21.69	21.60	23.86	33
		1#25	21.51	21.67	21.35	23.60	33
		1#49	21.06	21.50	21.76	23.69	33
		25#0	20.84	20.61	20.52	22.77	33
		25#25	20.18	20.23	20.72	22.65	33
		50#0	20.06	20.06	20.78	22.71	33

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
			Low	Mid	High		
15	QPSK	1#0	22.45	22.13	22.41	24.38	33
		1#38	22.47	22.43	22.08	24.4	33
		1#74	22.33	22.04	22.35	24.28	33
		36#0	21.44	21.43	21.17	23.37	33
		36#39	21.38	21.39	21.21	23.32	33
		75#0	21.79	21.54	21.27	23.72	33
	16QAM	1#0	22.00	21.61	21.94	23.93	33
		1#38	21.90	21.83	21.87	23.83	33
		1#74	21.04	21.31	21.63	23.56	33
		36#0	20.43	20.57	20.43	22.5	33
		36#39	20.74	20.97	20.11	22.9	33
		75#0	20.28	20.91	20.03	22.84	33
20	QPSK	1#0	22.13	22.30	22.20	24.23	33
		1#50	22.11	22.48	22.42	24.41	33
		1#99	22.20	22.38	22.08	24.31	33
		50#0	21.11	21.64	21.75	23.68	33
		50#50	21.61	21.31	21.73	23.66	33
		100#0	21.02	21.89	21.89	23.82	33
	16QAM	1#0	21.98	21.77	21.74	23.91	33
		1#50	21.61	21.70	21.60	23.63	33
		1#99	21.32	21.02	21.30	23.25	33
		50#0	20.14	20.46	20.32	22.39	33
		50#50	20.03	20.20	20.88	22.81	33
		100#0	20.78	20.50	20.04	22.71	33

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd)
Limit: EIRP≤33dBm

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with "★".

2. The test data was only valid for the test sample(s).

3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k=2 with the 95.45% confidence interval.

******* END OF REPORT *******