

FCC PART 27
FCC PART 22H, PART 24E, PART 90
TEST REPORT

For

Heilongjiang Huida Technology Co., Ltd

Building 1, Science and Technology Innovation Headquarters, Shenzhen (Harbin) Industrial Park,
No. 288, Zhigu Street, Songbei District, Harbin, China

FCC ID: 2BBNT-HD402

Report Type: Original Report	Product Name: Intelligent Remote Control
Report Number:	RSA240322001-00F
Report Date:	2024-12-27
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RSHA240322001-00F	R1V1	2024-12-27	Initial Release

GENERAL INFORMATION**Product Description for Equipment under Test (EUT)**

Applicant:	Heilongjiang Huida Technology Co., Ltd
Tested Model:	HD402
Product Name:	Intelligent Remote Control
Power Supply:	DC 7.4V from battery and charging by DC 7.3V battery
Maximum Conducted Output Power:	LTE: Band 2: 22.22 dBm; Band 4: 22.99dBm; Band 5: 23.74dBm; Band 7: 23.15 dBm; Band 12: 22.95dBm; Band 13: 23.73dBm; Band 14: 23.81 dBm; Band 17: 22.91dBm; Band 25: 22.31dBm; Band 26: 23.81 dBm; Band 41: 23.40dBm
RF Function:	LTE
Operating Band/Frequency:	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 13: 777-787 MHz(TX), 746-756 MHz(RX) LTE Band 14: 788-798 MHz(TX), 758-768 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 41: 2496-2690 MHz(TX), 2496-2690 MHz(RX)
Modulation Type:	LTE: QPSK, 16QAM
Antenna Type:	FPC Antenna
★Maximum Antenna Gain :	LTE Band 2: 5.18 dBi LTE Band 4: 3.14 dBi LTE Band 5: 2.64 dBi LTE Band 7: 1.55 dBi LTE Band 12: 2.33 dBi LTE Band 13: 1.72 dBi LTE Band 14: 2.57 dBi LTE Band 17: 2.33 dBi LTE Band 25: 5.18 dBi LTE Band 26: 2.64 dBi LTE Band 41: 1.59 dBi

Note: The maximum antenna gain is provided by the applicant.

All measurement and test data in this report was gathered from production sample serial number: RSHA240322001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2024-03-22.)

Objective

This type approval report is prepared for *Heilongjiang Huida 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 Frequency		0.082×10^{-7}
RF output power, conducted		0.73dB
RF conducted test with spectrum		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°C
Humidity		6%
Supply voltages		$\pm 0.4\%$

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)
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 13	5M	Low	779.5
		Middle	782.0
		High	784.5
	10M	Low	/
		Middle	782.0
		High	/
LTE Band 14	5M	Low	780.5
		Middle	793.0
		High	795.5
	10M	Low	/
		Middle	793.0
		High	/

Mode		Channel	Frequency (MHz)
LTE Band 17	5M	Low	706.5
		Middle	710.0
		High	713.5
	10M	Low	709.0
		Middle	710.0
		High	711.0
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 41	5M	Low	2498.5
		Middle	2593.0
		High	2687.5
	10M	Low	2501.0
		Middle	2593.0
		High	2685.0
	15M	Low	2503.5
		Middle	2593.0
		High	2682.5
	20M	Low	2506.0
		Middle	2593.0
		High	2680.0

Equipment Modifications

No modifications were made to the EUT.

Support Equipment List and Details

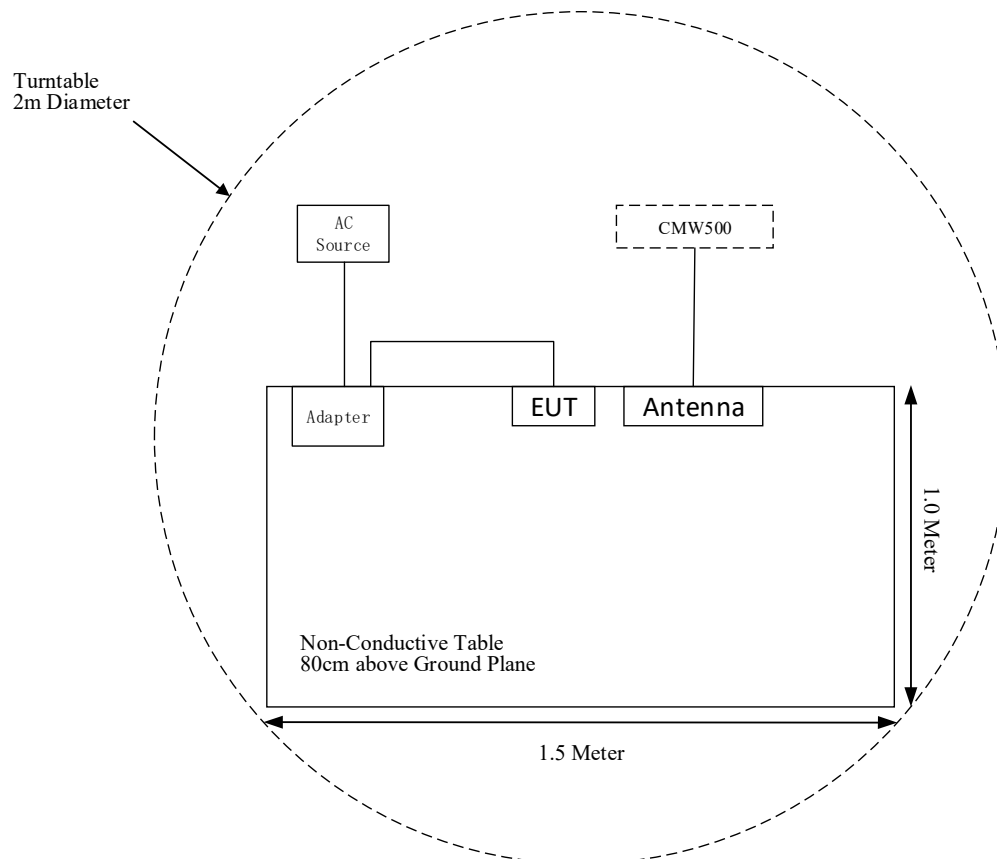
Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478

External I/O Cable

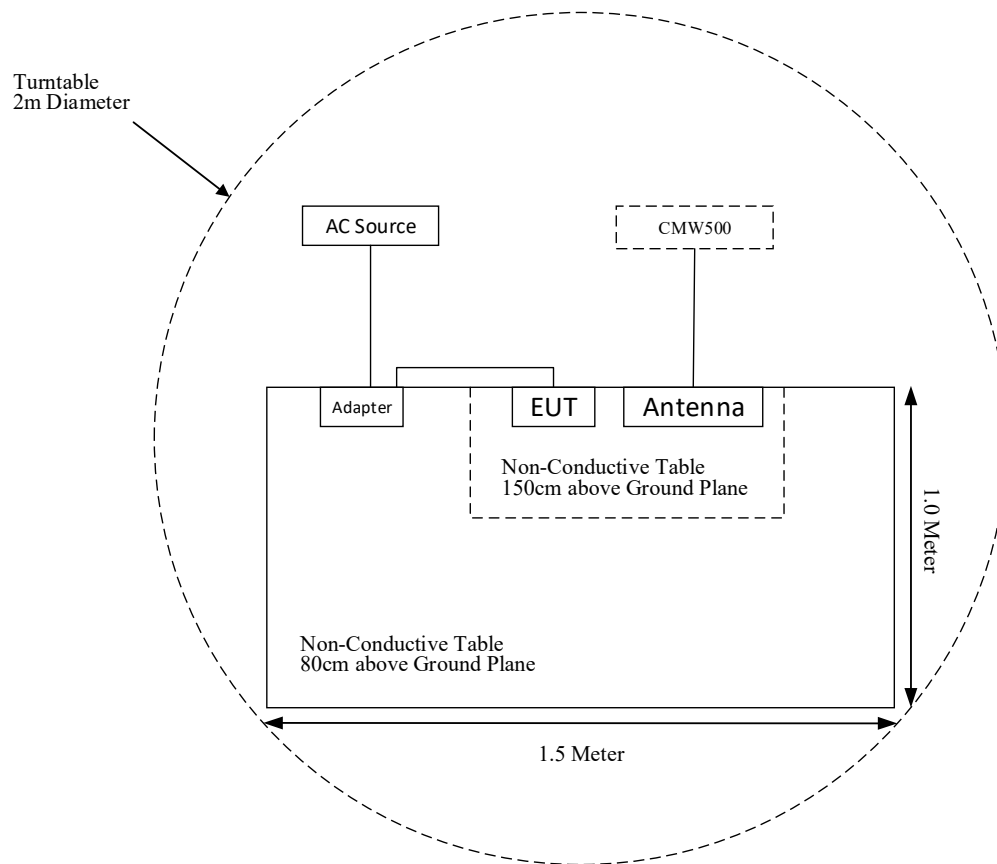
Cable Description	Length (m)	From Port	To
Power Cable 1	1.0	AC Source	Adapter
Power Cable 2	1.0	Adapter	EUT

Block Diagram of Test Setup

For Radiated Emissions(Below 1GHz):



For Radiated Emissions (Above 1 GHz):



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	Broadband Antenna	JB3	A090314-1	2024-11-08	2027-11-07
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
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2024-04-25	2025-04-24
ETS-LINDGREN	Horn Antenna	3115	9207-3900	2024-04-25	2025-04-24
ETS-LINDGREN	Horn Antenna	3115	6229	2023-01-16	2026-01-15
ETS-LINDGREN	Horn Antenna	3116	2516	2023-12-08	2024-12-07
ETS-LINDGREN	Horn Antenna	3116	84159	2023-12-08	2024-12-07
Wi	Band reject filter	SN1	WRCGV5-804-824-849-869-30SS	2024-04-23	2025-04-22
Wi	Band reject filter	SN1	WRCGV6-1830-1850-1910-1930-30SS	2024-04-23	2025-04-22
Wi	Band reject filter	SN1	WRCGV8-1695-1710-1755-1770-30SS	2024-04-23	2025-04-22
Wi	Band reject filter	SN3	WRCJV8-2450-2500-2570-2620-40SS	2024-04-23	2025-04-22
Wi	Band reject filter	SN2	WRCT16-697-699-716-718-60SS	2024-04-23	2025-04-22
Wi	Band reject filter	SN1	WRCGV5-765-777-787-799-35SS	2024-04-23	2025-04-22
Wi	Band reject filter	SN1	WRCJV8-2550-2570-2620-2640-30SS	2024-04-23	2025-04-22

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
A.H.Systems,inc	Amplifier	PAM-0118P	512	2024-04-25	2025-04-24
EM Electronics Corporation	Amplifier	EM18G40G	060726	2024-04-25	2025-04-24
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-11	011	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-12	012	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-13	013	2024-04-23	2025-04-22
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSV40	101116	2024-04-24	2025-04-23
Rohde & Schwarz	Spectrum Analyzer	FSU26	200103	2024-04-24	2025-04-23
BACL	Temperature & Humidity Chamber	BTH-150	30023	2024-04-25	2025-04-24
EAST	Regulated DC Power Supply	MCH-303D-II	14070562	2024-04-24	2025-04-23
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2024-04-24	2025-04-23
Narda	Attenuator	10dB	010	2024-05-23	2025-05-22
MACOM	Power Splitter	2090-6214-00	96341	2024-05-23	2025-05-22
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Unknown	RF Cable	RF Cable C01	C01	Each Time	N/A

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
§2.1046; § 22.913 (a); §24.232 (c); §27.50 (b)(c)(d) (h) §90.541;§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	Compliant
§2.1051; §22.917 (a); §24.238 (a); §27.53 (c) (f) (g) (h) (m); §90.543;§90.691	Spurious Emissions at Antenna Terminal	Compliant
§2.1053; §22.917 (a) §24.238 (a); §27.53 (c) (f) (g) (h) (m); §90.543;§90.691	Spurious Radiated Emissions	Compliant
§22.917 (a); §24.238 (a); §27.53 (c) (f) (g) (h) (m); §90.543; §90.691	Band Edge	Compliant
§2.1055; §22.355; §24.235; §27.54; §90.213	Frequency stability	Compliant

FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E, Part 27, Part 90 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC §2.1046; § 22.913 (a); §24.232 (c); §27.50 (b) (c) (d) (h); §90.541; §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(c), Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP

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.

According to FCC §2.1046 and §90.635 (b), The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw)

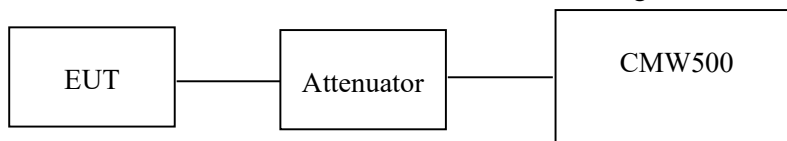
According to FCC §90.541, The transmitting power of a portable (hand-held) unit must not exceed 3 watts ERP.

According to § 27.50(b) (10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

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 §2.1049, §22.917, §22.905 & §24.238, §27.53, §90.209 - OCCUPIED BANDWIDTH

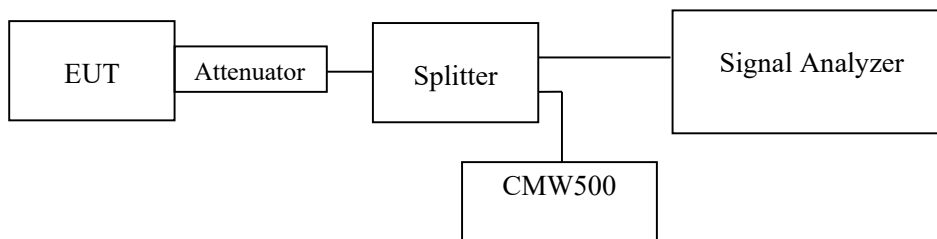
Applicable Standards

FCC 47 §2.1049, §22.917, §22.905 & §24.238, §27.53 and §90.209.

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation. The 26 dB & 99% bandwidth was recorded.

Note: The 15dB is the Insertion loss of the RF cable, Power Splitter, Attenuator, which was offset into the Spectrum Analyzer.



Test Data: See Appendix B

FCC § 2.1051; § 22.917 (a); § 24.238 (a); §27.53 (c) (f) (g) (h) (m); § 90.543; § 90.691 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS**Applicable Standards**

FCC §2.1051, §22.917(a), §24.238(a), §27.53 (c) (f) (g) (h) (m) and § 90.691.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

According to §22.917(a), 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 (c)

c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the 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, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

27.53(f)

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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 $43 + 10 \log(P)$ 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 than $43 + 10 \log (P)$ 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.

Part 90.543

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the 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, in accordance with the following:

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

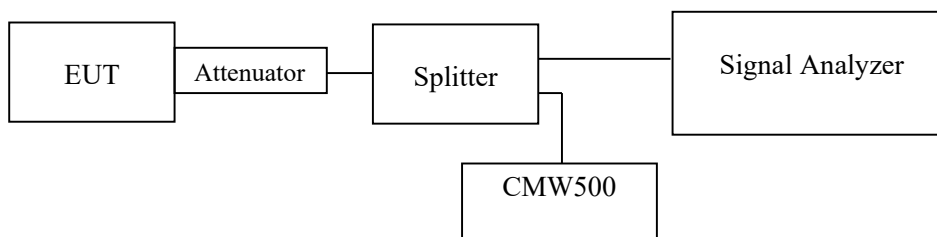
(f) For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100 kHz for below 1GHz & 1MHz for above 1GHz. sufficient scans were taken to show any out of band emissions up to 10th harmonic.

Note: The 15dB is the Insertion loss of the RF cable, Power Splitter, Attenuator, which was offset into the Spectrum Analyzer.



Test Data: Appendix D

FCC § 2.1053; § 22.917 (a); § 24.238 (a) & §27.53 (c) (f) (g) (h) (m); § 90.543; § 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 than $43 + 10 \log (P)$ 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(f)

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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 $43 + 10 \log_{10} (P)$ 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 than $43 + 10 \log (P)$ 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.

Part 90.543

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the 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, in accordance with the following:

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

(f) For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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 = $10 \lg (\text{TX pwr in Watts}/0.001)$ – the absolute level

Spurious attenuation limit in dB = $43 + 10 \log_{10} (\text{power out in Watts})$

Test Data: See Appendix A

FCC § 22.917 (a); § 24.238 (a); § 27.53 (c) (f) (g) (h) (m); § 90.543; § 90.691 - BAND EDGES

Applicable Standards

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 than $43 + 10 \log (P)$ 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(f)

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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 $43 + 10 \log (P)$ 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 than $43 + 10 \log (P)$ 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.

Part 90.543

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the 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, in accordance with the following:

(1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

(f) For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

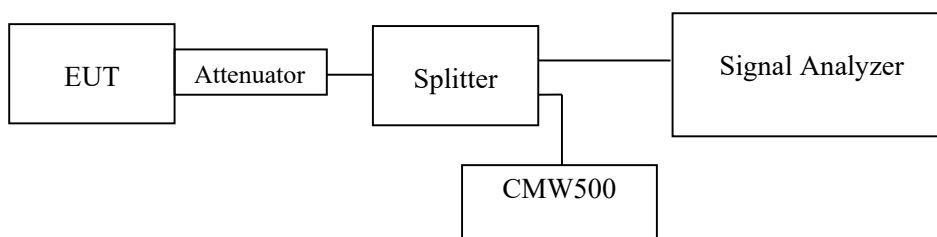
Rule Part 90.691 specifies that "The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.

Note: The 15dB is the Insertion loss of the RF cable, Power Splitter, Attenuator, which was offset into the Spectrum Analyzer.



Test Data: See Appendix C

FCC §2.1055; §22.355; §24.235; §27.54; ; §90.213 - FREQUENCY STABILITY**Applicable Standards**

FCC § 2.1055, §22.355, §24.235, §27.54 and § 90.213.

According to FCC §2.1055, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile > 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

According to §27.54 Frequency stability, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

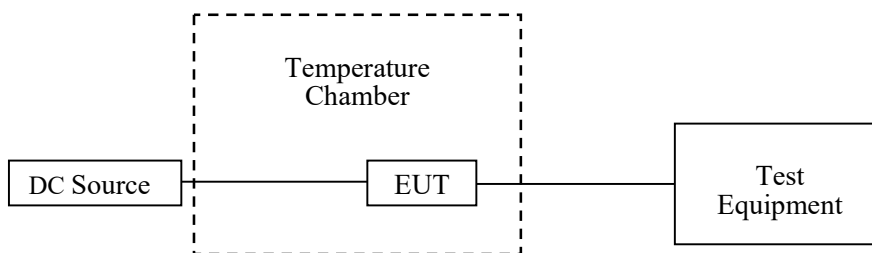
Test Procedure

According to ANSI C63.26-2015 Section 5.6:

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: For hand carried, battery powered equipment; reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



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 E - TEST SETUP PHOTOGRAPHS.

APPENDIX A - TEST DATA

Environmental Conditions & Test Information

Test Item:	FREQUENCY STABILITY	TRANSMITTER OUTPUT POWER	OCCUPIED BANDWIDTH	SPURIOUS EMISSIONS AT ANTENNA TERMINALS	SPURIOUS RADIATED EMISSIONS	Band Edge
Test Date:	2024-11-28 to 2024-12-02& 2024-12-03	2024-11-28 to 2024-12-02& 2024-12-03	2024-11-28 to 2024-12-27	2024-11-29 to 2024-12-27	2024-11-28 to 2024-12-02& 2024-12-03& 2024-12-05	2024-11-30 to 2024-12-20
Temperature:	17.5-20.2 °C	17.5-20.2 °C	17.5-23.5 °C	20.0-23.5 °C	17.5-20.2 °C	20.5-20.2 °C
Relative Humidity:	45-55 %	45-55 %	40-58 %	40-58 %	45-55 %	45-55 %
ATM Pressure:	101.5-102.0 kPa	101.5-102.0 kPa	101.0-102.3 kPa	101.0-102.3 kPa	101.5-102.0 kPa	101.0-102.0 kPa
Test Result:	Pass	Pass	Pass	Pass	Pass	Pass
Test Engineer:	Jason lu	Jason lu	Jason lu	Jason lu	Jason lu	Jason lu

RF OUTPUT POWER**LTE Band 2**

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	21.86	21.65	21.57	27.04	26.83	26.75
		1#3	21.90	21.71	21.61	27.08	26.89	26.79
		1#5	22.06	21.64	21.54	27.24	26.82	26.72
		3#0	21.96	21.70	21.55	27.14	26.88	26.73
		3#3	22.02	21.74	21.66	27.20	26.92	26.84
		6#0	21.96	21.72	21.54	27.14	26.90	26.72
	16QAM	1#0	20.90	20.78	20.63	26.08	25.96	25.81
		1#3	21.36	20.62	20.45	26.54	25.80	25.63
		1#5	21.44	20.67	20.47	26.62	25.85	25.65
		3#0	21.36	20.66	20.47	26.54	25.84	25.65
		3#3	21.27	20.94	20.74	26.45	26.12	25.92
		6#0	21.39	20.99	20.82	26.57	26.17	26.00
3	QPSK	1#0	21.92	21.79	21.82	27.10	26.97	27.00
		1#8	21.92	21.75	21.82	27.10	26.93	27.00
		1#14	21.94	21.85	21.83	27.12	27.03	27.01
		6#0	20.99	20.94	20.75	26.17	26.12	25.93
		6#9	20.98	20.94	20.70	26.16	26.12	25.88
		15#0	21.04	20.92	20.76	26.22	26.10	25.94
	16QAM	1#0	20.98	20.89	20.72	26.16	26.07	25.90
		1#8	20.95	20.89	21.13	26.13	26.07	26.31
		1#14	20.89	20.79	21.08	26.07	25.97	26.26
		6#0	20.89	20.86	21.08	26.07	26.04	26.26
		6#9	20.08	20.06	19.82	25.26	25.24	25.00
		15#0	20.11	20.05	19.86	25.29	25.23	25.04

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.02	21.95	21.70	27.20	27.13	26.88
		1#13	21.99	21.87	21.65	27.17	27.05	26.83
		1#24	21.97	21.87	21.59	27.15	27.05	26.77
		15#0	21.08	20.98	20.74	26.26	26.16	25.92
		15#10	21.03	20.92	20.71	26.21	26.10	25.89
		25#0	21.09	20.93	20.76	26.27	26.11	25.94
	16QAM	1#0	21.03	20.95	20.73	26.21	26.13	25.91
		1#13	21.13	21.02	21.33	26.31	26.20	26.51
		1#24	21.13	20.93	21.32	26.31	26.11	26.50
		15#0	21.15	20.94	21.27	26.33	26.12	26.45
		15#10	20.26	20.08	19.91	25.44	25.26	25.09
		25#0	20.18	20.03	19.90	25.36	25.21	25.08
10	QPSK	1#0	22.02	21.83	21.82	27.20	27.01	27.00
		1#25	21.94	21.78	21.84	27.12	26.96	27.02
		1#49	21.89	20.97	21.80	27.07	26.15	26.98
		25#0	21.08	21.01	20.75	26.26	26.19	25.93
		25#25	21.10	20.94	20.81	26.28	26.12	25.99
		50#0	21.03	20.98	20.76	26.21	26.16	25.94
	16QAM	1#0	21.07	21.01	20.70	26.25	26.19	25.88
		1#25	20.96	20.90	21.11	26.14	26.08	26.29
		1#49	20.89	20.79	21.12	26.07	25.97	26.30
		25#0	20.84	20.15	21.05	26.02	25.33	26.23
		25#25	20.25	20.07	19.91	25.43	25.25	25.09
		50#0	20.19	20.06	19.89	25.37	25.24	25.07

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	21.96	21.99	21.65	27.14	27.17	26.83
		1#38	22.06	21.87	21.88	27.24	27.05	27.06
		1#74	21.96	21.67	21.76	27.14	26.85	26.94
		36#0	21.04	21.01	20.69	26.22	26.19	25.87
		36#39	21.02	20.96	20.65	26.20	26.14	25.83
		75#0	20.95	20.83	20.74	26.13	26.01	25.92
	16QAM	1#0	21.01	20.90	20.66	26.19	26.08	25.84
		1#38	21.21	21.09	21.16	26.39	26.27	26.34
		1#74	21.04	20.89	21.14	26.22	26.07	26.32
		36#0	20.99	20.77	21.02	26.17	25.95	26.20
		36#39	20.16	20.13	19.82	25.34	25.31	25.00
		75#0	20.16	20.08	19.80	25.34	25.26	24.98
20	QPSK	1#0	22.22	22.03	22.16	27.40	27.21	27.34
		1#50	21.88	21.86	21.52	27.06	27.04	26.70
		1#99	21.79	21.72	21.47	26.97	26.90	26.65
		50#0	21.92	21.93	21.85	27.10	27.11	27.03
		50#50	21.10	21.05	20.75	26.28	26.23	25.93
		100#0	21.06	21.89	21.65	26.24	27.07	26.83
	16QAM	1#0	21.01	20.82	20.62	26.19	26.00	25.80
		1#50	21.40	21.75	21.16	26.58	26.93	26.34
		1#99	21.27	21.54	20.98	26.45	26.72	26.16
		50#0	21.18	21.47	20.92	26.36	26.65	26.10
		50#50	20.16	20.01	19.76	25.34	25.19	24.94
		100#0	20.10	20.20	19.89	25.28	25.38	25.07

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)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	22.63	22.75	22.73	25.77	25.89	25.87
		1#3	22.61	22.79	22.79	25.75	25.93	25.93
		1#5	22.61	22.71	22.70	25.75	25.85	25.84
		3#0	22.61	22.71	22.58	25.75	25.85	25.72
		3#3	22.69	22.83	22.65	25.83	25.97	25.79
		6#0	22.61	22.71	22.58	25.75	25.85	25.72
	16QAM	1#0	21.74	21.71	21.61	24.88	24.85	24.75
		1#3	21.57	21.64	21.99	24.71	24.78	25.13
		1#5	21.60	21.70	22.06	24.74	24.84	25.20
		3#0	21.59	21.65	21.97	24.73	24.79	25.11
		3#3	21.86	21.98	21.94	25.00	25.12	25.08
		6#0	21.95	22.08	22.00	25.09	25.22	25.14
3	QPSK	1#0	22.75	22.76	22.82	25.89	25.90	25.96
		1#8	22.68	22.75	22.85	25.82	25.89	25.99
		1#14	22.72	22.79	22.81	25.86	25.93	25.95
		6#0	21.80	21.82	21.68	24.94	24.96	24.82
		6#9	21.81	21.81	21.68	24.95	24.95	24.82
		15#0	21.86	21.83	21.75	25.00	24.97	24.89
	16QAM	1#0	21.78	21.79	21.65	24.92	24.93	24.79
		1#8	21.70	21.84	22.09	24.84	24.98	25.23
		1#14	21.60	21.77	22.09	24.74	24.91	25.23
		6#0	21.62	21.82	22.12	24.76	24.96	25.26
		6#9	20.81	20.92	20.79	23.95	24.06	23.93
		15#0	20.86	20.92	20.82	24.00	24.06	23.96

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.75	22.85	22.62	25.89	25.99	25.76
		1#13	22.75	22.87	22.65	25.89	26.01	25.79
		1#24	22.69	22.78	22.55	25.83	25.92	25.69
		15#0	21.88	21.88	21.71	25.02	25.02	24.85
		15#10	21.78	21.77	21.69	24.92	24.91	24.83
		25#0	21.86	21.85	21.75	25.00	24.99	24.89
	16QAM	1#0	21.88	21.85	21.70	25.02	24.99	24.84
		1#13	21.90	21.96	22.29	25.04	25.10	25.43
		1#24	21.82	21.91	22.36	24.96	25.05	25.50
		15#0	21.83	21.90	22.28	24.97	25.04	25.42
		15#10	20.99	20.96	20.90	24.13	24.10	24.04
		25#0	20.91	20.92	20.86	24.05	24.06	24.00
10	QPSK	1#0	22.78	22.91	22.83	25.92	26.05	25.97
		1#25	22.65	22.83	22.82	25.79	25.97	25.96
		1#49	22.68	22.80	22.78	25.82	25.94	25.92
		25#0	21.86	21.90	21.73	25.00	25.04	24.87
		25#25	21.96	21.91	21.71	25.10	25.05	24.85
		50#0	21.88	21.85	21.70	25.02	24.99	24.84
	16QAM	1#0	21.90	21.87	21.70	25.04	25.01	24.84
		1#25	21.72	21.92	22.11	24.86	25.06	25.25
		1#49	21.60	21.88	22.09	24.74	25.02	25.23
		25#0	21.60	21.77	22.10	24.74	24.91	25.24
		25#25	21.05	21.04	20.87	24.19	24.18	24.01
		50#0	20.92	20.96	20.79	24.06	24.10	23.93

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.71	22.76	22.65	25.85	25.90	25.79
		1#38	22.92	22.80	22.79	26.06	25.94	25.93
		1#74	22.78	22.73	22.78	25.92	25.87	25.92
		36#0	21.87	21.85	21.76	25.01	24.99	24.90
		36#39	21.88	21.83	21.69	25.02	24.97	24.83
		75#0	21.76	21.77	21.69	24.90	24.91	24.83
	16QAM	1#0	21.86	21.81	21.79	25.00	24.95	24.93
		1#38	21.92	21.93	22.32	25.06	25.07	25.46
		1#74	21.88	21.85	22.11	25.02	24.99	25.25
		36#0	21.73	21.77	22.06	24.87	24.91	25.20
		36#39	20.97	20.95	20.93	24.11	24.09	24.07
		75#0	20.97	20.95	20.79	24.11	24.09	23.93
20	QPSK	1#0	22.90	22.90	22.99	26.04	26.04	26.13
		1#50	22.70	22.79	22.46	25.84	25.93	25.60
		1#99	22.72	22.67	22.42	25.86	25.81	25.56
		50#0	22.55	22.63	22.70	25.69	25.77	25.84
		50#50	21.93	21.88	21.81	25.07	25.02	24.95
		100#0	21.89	21.89	21.83	25.03	25.03	24.97
	16QAM	1#0	21.90	21.80	21.70	25.04	24.94	24.84
		1#50	22.15	22.44	22.19	25.29	25.58	25.33
		1#99	22.08	22.48	22.00	25.22	25.62	25.14
		50#0	22.10	22.43	21.94	25.24	25.57	25.08
		50#50	20.88	20.90	20.84	24.02	24.04	23.98
		100#0	20.93	20.93	20.89	24.07	24.07	24.03

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)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	23.37	23.40	23.45	23.86	23.89	23.94
		1#3	23.41	23.42	23.46	23.9	23.91	23.95
		1#5	23.34	23.40	23.43	23.83	23.89	23.92
		3#0	23.28	23.33	23.36	23.77	23.82	23.85
		3#3	23.30	23.44	23.41	23.79	23.93	23.9
		6#0	23.25	23.34	23.38	23.74	23.83	23.87
	16QAM	1#0	22.18	22.48	22.52	22.67	22.97	23.01
		1#3	22.67	22.28	22.27	23.16	22.77	22.76
		1#5	22.77	22.28	22.34	23.26	22.77	22.83
		3#0	22.65	22.28	22.29	23.14	22.77	22.78
		3#3	22.65	22.57	22.56	23.14	23.06	23.05
		6#0	22.78	22.64	22.68	23.27	23.13	23.17
3	QPSK	1#0	22.51	22.51	22.74	23.00	23.00	23.23
		1#8	23.30	23.48	23.70	23.79	23.97	24.19
		1#14	23.27	23.52	23.69	23.76	24.01	24.18
		6#0	22.44	22.56	22.60	22.93	23.05	23.09
		6#9	22.42	22.60	22.59	22.91	23.09	23.08
		15#0	22.44	22.60	22.60	22.93	23.09	23.09
	16QAM	1#0	22.36	22.54	22.58	22.85	23.03	23.07
		1#8	22.19	22.52	22.89	22.68	23.01	23.38
		1#14	22.23	22.47	22.87	22.72	22.96	23.36
		6#0	22.23	22.53	22.88	22.72	23.02	23.37
		6#9	21.45	21.69	21.65	21.94	22.18	22.14
		15#0	21.50	21.68	21.74	21.99	22.17	22.23

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.17	22.11	22.23	22.66	22.6	22.72
		1#13	22.06	22.49	22.11	22.55	22.98	22.6
		1#24	22.05	22.44	22.44	22.54	22.93	22.93
		15#0	22.66	22.26	21.96	23.15	22.75	22.45
		15#10	21.96	22.76	22.17	22.45	23.25	22.66
		25#0	22.24	22.11	22.45	22.73	22.6	22.94
	16QAM	1#0	22.60	22.63	22.57	23.09	23.12	23.06
		1#13	21.92	22.74	22.36	22.41	23.23	22.85
		1#24	22.47	21.95	22.02	22.96	22.44	22.51
		15#0	22.62	21.89	22.30	23.11	22.38	22.79
		15#10	22.53	22.76	22.51	23.02	23.25	23
		25#0	21.92	22.06	22.19	22.41	22.55	22.68
10	QPSK	1#0	23.21	23.53	23.74	23.70	24.02	24.23
		1#25	22.74	21.90	22.14	23.23	22.39	22.63
		1#49	21.97	22.76	21.88	22.46	23.25	22.37
		25#0	22.67	22.48	22.56	23.16	22.97	23.05
		25#25	22.26	21.89	22.20	22.75	22.38	22.69
		50#0	22.04	22.36	22.81	22.53	22.85	23.30
	16QAM	1#0	22.70	22.38	22.85	23.19	22.87	23.34
		1#25	22.25	22.64	21.87	22.74	23.13	22.36
		1#49	22.22	22.17	22.46	22.71	22.66	22.95
		25#0	22.13	22.55	22.13	22.62	23.04	22.62
		25#25	21.97	22.83	22.02	22.46	23.32	22.51
		50#0	22.50	22.66	22.43	22.99	23.15	22.92

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)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	23.10	22.41	22.76	24.65	23.96	24.31
		1#13	23.05	22.58	23.00	24.60	24.13	24.55
		1#24	23.02	22.14	22.84	24.57	23.69	24.39
		15#0	22.52	22.19	22.16	24.07	23.74	23.71
		15#10	22.50	22.14	22.61	24.05	23.69	24.16
		25#0	22.14	23.01	22.46	23.69	24.56	24.01
	16QAM	1#0	23.06	22.60	22.97	24.61	24.15	24.52
		1#13	22.65	22.76	22.56	24.20	24.31	24.11
		1#24	22.54	22.63	22.93	24.09	24.18	24.48
		15#0	22.16	22.36	22.25	23.71	23.91	23.80
		15#10	22.93	22.75	22.80	24.48	24.30	24.35
		25#0	22.84	22.88	22.33	24.39	24.43	23.88
10	QPSK	1#0	22.40	22.27	22.31	23.95	23.82	23.86
		1#25	22.77	22.89	22.05	24.32	24.44	23.60
		1#49	22.26	22.13	23.11	23.81	23.68	24.66
		25#0	22.79	22.31	22.46	24.34	23.86	24.01
		25#25	22.43	22.20	22.72	23.98	23.75	24.27
		50#0	23.12	22.96	23.10	24.67	24.51	24.65
	16QAM	1#0	22.90	22.44	22.99	24.45	23.99	24.54
		1#25	22.84	22.51	23.01	24.39	24.06	24.56
		1#49	22.71	22.72	22.41	24.26	24.27	23.96
		25#0	22.60	23.07	23.03	24.15	24.62	24.58
		25#25	22.69	22.21	22.28	24.24	23.76	23.83
		50#0	22.57	23.00	22.41	24.12	24.55	23.96

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.28	22.15	22.41	23.83	23.70	23.96
		1#38	22.28	22.08	22.08	23.83	23.63	23.63
		1#74	22.78	22.47	22.76	24.33	24.02	24.31
		36#0	22.79	22.82	22.21	24.34	24.37	23.76
		36#39	22.36	22.76	22.93	23.91	24.31	24.48
		75#0	22.18	22.31	21.97	23.73	23.86	23.52
	16QAM	1#0	22.75	22.65	22.20	24.30	24.20	23.75
		1#38	22.05	22.59	22.32	23.60	24.14	23.87
		1#74	22.75	22.34	22.45	24.30	23.89	24.00
		36#0	22.09	22.29	22.28	23.64	23.84	23.83
		36#39	22.21	22.86	22.94	23.76	24.41	24.49
		75#0	22.80	22.90	21.98	24.35	24.45	23.53
20	QPSK	1#0	22.96	23.15	23.05	24.51	24.70	24.60
		1#50	22.49	22.47	22.55	24.04	24.02	24.10
		1#99	22.55	22.25	22.05	24.10	23.80	23.60
		50#0	22.92	22.93	22.84	24.47	24.48	24.39
		50#50	21.90	22.50	22.21	23.45	24.05	23.76
		100#0	22.81	22.91	22.94	24.36	24.46	24.49
	16QAM	1#0	22.38	22.15	22.69	23.93	23.70	24.24
		1#50	22.90	22.44	22.44	24.45	23.99	23.99
		1#99	22.88	22.38	22.40	24.43	23.93	23.95
		50#0	22.33	22.01	22.67	23.88	23.56	24.22
		50#50	22.86	22.53	22.14	24.41	24.08	23.69
		100#0	22.51	22.63	22.51	24.06	24.18	24.06

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)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	22.33	22.80	22.26	22.51	22.98	22.44
		1#3	21.99	22.57	22.66	22.17	22.75	22.84
		1#5	22.03	22.92	22.88	22.21	23.1	23.06
		3#0	22.63	22.75	22.00	22.81	22.93	22.18
		3#3	22.64	22.93	22.07	22.82	23.11	22.25
		6#0	22.69	22.06	22.82	22.87	22.24	23
	16QAM	1#0	22.21	22.63	21.99	22.39	22.81	22.17
		1#3	22.59	22.02	22.38	22.77	22.2	22.56
		1#5	21.97	22.78	22.26	22.15	22.96	22.44
		3#0	22.72	22.00	22.26	22.9	22.18	22.44
		3#3	22.10	22.79	21.92	22.28	22.97	22.1
		6#0	21.90	22.09	22.50	22.08	22.27	22.68
3	QPSK	1#0	22.53	22.52	22.45	22.71	22.7	22.63
		1#8	22.63	22.39	22.42	22.81	22.57	22.6
		1#14	22.52	22.20	22.42	22.7	22.38	22.6
		6#0	22.66	22.73	22.80	22.84	22.91	22.98
		6#9	22.74	22.38	22.50	22.92	22.56	22.68
		15#0	22.80	22.53	22.51	22.98	22.71	22.69
	16QAM	1#0	22.58	22.47	22.81	22.76	22.65	22.99
		1#8	22.66	22.16	22.85	22.84	22.34	23.03
		1#14	22.32	22.85	22.28	22.5	23.03	22.46
		6#0	22.26	22.10	21.96	22.44	22.28	22.14
		6#9	22.78	22.32	22.46	22.96	22.5	22.64
		15#0	22.01	22.61	22.48	22.19	22.79	22.66

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.38	22.61	22.52	22.56	22.79	22.70
		1#13	22.52	22.27	22.73	22.70	22.45	22.91
		1#24	21.98	22.18	22.63	22.16	22.36	22.81
		15#0	22.78	22.64	22.72	22.96	22.82	22.90
		15#10	22.79	21.93	22.79	22.97	22.11	22.97
		25#0	22.23	22.35	22.86	22.41	22.53	23.04
	16QAM	1#0	22.58	22.94	22.25	22.76	23.12	22.43
		1#13	21.93	21.96	22.43	22.11	22.14	22.61
		1#24	22.44	22.50	22.91	22.62	22.68	23.09
		15#0	22.93	22.21	22.09	23.11	22.39	22.27
		15#10	22.64	22.26	22.56	22.82	22.44	22.74
		25#0	22.35	22.45	22.24	22.53	22.63	22.42
10	QPSK	1#0	22.76	22.95	22.91	22.94	23.13	23.09
		1#25	21.95	21.90	22.67	22.13	22.08	22.85
		1#49	22.38	22.05	22.50	22.56	22.23	22.68
		25#0	22.41	22.83	22.82	22.59	23.01	23.00
		25#25	22.41	22.31	22.35	22.59	22.49	22.53
		50#0	22.08	22.71	22.70	22.26	22.89	22.88
	16QAM	1#0	21.91	22.18	22.31	22.09	22.36	22.49
		1#25	22.41	22.74	22.35	22.59	22.92	22.53
		1#49	22.34	22.46	22.02	22.52	22.64	22.2
		25#0	22.74	22.63	22.52	22.92	22.81	22.7
		25#25	22.45	22.30	22.80	22.63	22.48	22.98
		50#0	22.72	22.87	22.28	22.9	23.05	22.46

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

Antenna Gain (dBd) = Antenna Gain (dBi)-2.15

Limit: ERP≤34.77dBm

LTE Band 13

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	23.31	22.81	22.74	22.88	22.38	22.31
		1#13	22.96	23.05	23.39	22.53	22.62	22.96
		1#24	23.54	23.67	22.91	23.11	23.24	22.48
		15#0	23.14	23.11	23.47	22.71	22.68	23.04
		15#10	22.84	22.85	23.49	22.41	22.42	23.06
		25#0	23.42	22.75	23.58	22.99	22.32	23.15
	16QAM	1#0	23.71	23.00	23.49	23.28	22.57	23.06
		1#13	22.79	22.93	23.45	22.36	22.50	23.02
		1#24	23.57	22.86	22.78	23.14	22.43	22.35
		15#0	23.52	22.79	23.22	23.09	22.36	22.79
		15#10	23.62	23.21	23.24	23.19	22.78	22.81
		25#0	23.33	23.70	23.13	22.90	23.27	22.70
10	QPSK	1#0	23.56	23.73	23.42	23.13	23.30	22.99
		1#25	22.88	23.25	22.71	22.45	22.82	22.28
		1#49	22.88	22.73	23.43	22.45	22.30	23.00
		25#0	23.09	23.25	23.49	22.66	22.82	23.06
		25#25	23.03	23.33	23.70	22.60	22.90	23.27
		50#0	23.58	23.15	23.42	23.15	22.72	22.99
	16QAM	1#0	23.42	22.99	23.03	22.99	22.56	22.60
		1#25	23.26	22.69	23.14	22.83	22.26	22.71
		1#49	23.46	23.17	23.33	23.03	22.74	22.90
		25#0	22.78	23.10	22.86	22.35	22.67	22.43
		25#25	23.63	23.46	23.61	23.20	23.03	23.18
		50#0	23.42	23.12	22.79	22.99	22.69	22.36

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

Antenna Gain (dBd) = Antenna Gain (dBi)-2.15

Limit: ERP≤34.77dBm

LTE Band 14

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.79	23.41	22.97	23.21	23.83	23.39
		1#13	23.53	23.61	23.32	23.95	24.03	23.74
		1#24	23.50	23.03	23.73	23.92	23.45	24.15
		15#0	23.20	23.75	23.78	23.62	24.17	24.20
		15#10	22.87	23.65	22.97	23.29	24.07	23.39
		25#0	23.38	23.03	23.07	23.80	23.45	23.49
	16QAM	1#0	23.62	23.68	23.39	24.04	24.10	23.81
		1#13	23.59	23.70	22.81	24.01	24.12	23.23
		1#24	23.30	22.98	22.97	23.72	23.40	23.39
		23#57	23.05	23.38	23.99	23.47	23.80	24.41
		15#10	23.11	23.59	23.72	23.53	24.01	24.14
		25#0	23.62	23.75	23.22	24.04	24.17	23.64
10	QPSK	23#69	23.81	23.59	24.11	24.23	24.01	24.53
		23#64	23.47	23.52	24.06	23.89	23.94	24.48
		22#76	23.70	23.52	23.18	24.12	23.94	23.60
		23#60	23.51	23.27	24.02	23.93	23.69	24.44
		23#78	22.89	23.51	24.20	23.31	23.93	24.62
		23#29	22.79	22.91	23.71	23.21	23.33	24.13
	16QAM	1#0	23.12	23.18	23.20	23.54	23.60	23.62
		1#25	23.31	22.91	23.09	23.73	23.33	23.51
		1#49	23.31	23.10	23.60	23.73	23.52	24.02
		25#0	23.63	23.67	23.32	24.05	24.09	23.74
		25#25	23.44	23.20	23.48	23.86	23.62	23.90
		50#0	23.46	23.80	22.93	23.88	24.22	23.35

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)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.25	22.04	22.76	22.43	22.22	22.94
		1#13	22.01	22.45	22.54	22.19	22.63	22.72
		1#24	22.77	22.54	22.76	22.95	22.72	22.94
		15#0	22.03	22.27	22.86	22.21	22.45	23.04
		15#10	22.41	22.25	22.26	22.59	22.43	22.44
		25#0	22.74	22.80	22.84	22.92	22.98	23.02
	16QAM	1#0	22.38	22.67	22.14	22.56	22.85	22.32
		1#13	22.88	22.53	22.28	23.06	22.71	22.46
		1#24	22.65	22.29	22.26	22.83	22.47	22.44
		15#0	22.03	22.17	22.40	22.21	22.35	22.58
		15#10	22.81	22.24	22.29	22.99	22.42	22.47
		25#0	22.08	21.91	22.02	22.26	22.09	22.20
10	QPSK	1#0	22.43	22.91	22.79	22.61	23.09	22.97
		1#25	22.76	22.67	22.79	22.94	22.85	22.97
		1#49	22.26	22.82	22.43	22.44	23.00	22.61
		25#0	22.28	22.73	22.47	22.46	22.91	22.65
		25#25	22.34	22.91	22.75	22.52	23.09	22.93
		50#0	21.96	22.82	22.50	22.14	23.00	22.68
	16QAM	1#0	22.39	22.11	22.49	22.57	22.29	22.67
		1#25	22.22	22.01	22.74	22.40	22.19	22.92
		1#49	22.58	22.35	22.46	22.76	22.53	22.64
		25#0	22.73	22.20	22.56	22.91	22.38	22.74
		25#25	22.66	21.92	22.73	22.84	22.10	22.91
		50#0	22.35	22.73	21.93	22.53	22.91	22.11

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)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	22.01	21.97	22.07	27.19	27.15	27.25
		1#3	22.20	21.48	22.19	27.38	26.66	27.37
		1#5	21.48	22.13	21.52	26.66	27.31	26.7
		3#0	21.49	21.46	21.45	26.67	26.64	26.63
		3#3	21.71	21.60	21.64	26.89	26.78	26.82
		6#0	22.12	22.15	21.50	27.3	27.33	26.68
	16QAM	1#0	21.56	21.92	21.65	26.74	27.1	26.83
		1#3	22.21	21.85	21.85	27.39	27.03	27.03
		1#5	21.92	21.42	21.76	27.1	26.6	26.94
		3#0	21.28	21.94	22.00	26.46	27.12	27.18
		3#3	21.43	22.19	22.18	26.61	27.37	27.36
		6#0	21.91	21.31	22.06	27.09	26.49	27.24
3	QPSK	1#0	22.23	21.42	21.39	27.41	26.6	26.57
		1#8	21.54	21.69	21.56	26.72	26.87	26.74
		1#14	22.01	21.97	21.76	27.19	27.15	26.94
		6#0	21.37	21.94	21.92	26.55	27.12	27.1
		6#9	21.95	21.70	22.15	27.13	26.88	27.33
		15#0	21.78	21.54	22.08	26.96	26.72	27.26
	16QAM	1#0	21.30	21.37	22.08	26.48	26.55	27.26
		1#8	21.68	21.32	21.37	26.86	26.5	26.55
		1#14	22.04	22.15	22.26	27.22	27.33	27.44
		6#0	22.27	21.52	21.94	27.45	26.7	27.12
		6#9	21.63	21.45	22.09	26.81	26.63	27.27
		15#0	22.11	22.26	21.97	27.29	27.44	27.15

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	21.41	21.61	21.73	26.59	26.79	26.91
		1#13	21.93	21.51	21.65	27.11	26.69	26.83
		1#24	21.34	21.41	21.55	26.52	26.59	26.73
		15#0	21.35	21.82	22.30	26.53	27.00	27.48
		15#10	22.12	22.22	21.51	27.30	27.40	26.69
		25#0	22.00	21.77	21.51	27.18	26.95	26.69
	16QAM	1#0	22.23	22.30	21.74	27.41	27.48	26.92
		1#13	21.55	21.82	22.06	26.73	27.00	27.24
		1#24	21.80	21.80	22.21	26.98	26.98	27.39
		15#0	22.12	22.27	21.86	27.30	27.45	27.04
		15#10	21.25	22.22	21.31	26.43	27.40	26.49
		25#0	21.78	21.49	22.10	26.96	26.67	27.28
10	QPSK	1#0	21.68	21.48	21.74	26.86	26.66	26.92
		1#25	21.29	21.49	21.56	26.47	26.67	26.74
		1#49	21.50	22.07	22.00	26.68	27.25	27.18
		25#0	21.54	22.01	22.13	26.72	27.19	27.31
		25#25	21.74	21.57	21.27	26.92	26.75	26.45
		50#0	21.78	21.91	21.55	26.96	27.09	26.73
	16QAM	1#0	21.52	21.83	22.25	26.70	27.01	27.43
		1#25	21.78	22.23	21.62	26.96	27.41	26.80
		1#49	21.70	21.43	22.15	26.88	26.61	27.33
		25#0	21.33	21.63	21.87	26.51	26.81	27.05
		25#25	21.49	21.87	21.39	26.67	27.05	26.57
		50#0	22.15	22.12	21.88	27.33	27.30	27.06

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.27	22.06	21.59	27.45	27.24	26.77
		1#38	21.34	21.72	21.33	26.52	26.9	26.51
		1#74	22.07	21.95	21.79	27.25	27.13	26.97
		36#0	21.46	21.76	21.84	26.64	26.94	27.02
		36#39	21.34	21.94	22.06	26.52	27.12	27.24
		75#0	22.17	22.00	21.36	27.35	27.18	26.54
	16QAM	1#0	21.54	22.29	22.07	26.72	27.47	27.25
		1#38	21.96	21.49	22.24	27.14	26.67	27.42
		1#74	21.42	22.19	21.85	26.6	27.37	27.03
		36#0	21.61	22.28	21.51	26.79	27.46	26.69
		36#39	22.06	21.69	21.27	27.24	26.87	26.45
		75#0	21.78	22.14	21.41	26.96	27.32	26.59
20	QPSK	1#0	22.11	22.31	21.97	27.29	27.49	27.15
		1#50	21.72	21.82	21.60	26.9	27	26.78
		1#99	22.16	21.58	22.03	27.34	26.76	27.21
		50#0	22.04	22.14	22.09	27.22	27.32	27.27
		50#50	22.23	22.07	21.67	27.41	27.25	26.85
		100#0	21.76	21.37	22.00	26.94	26.55	27.18
	16QAM	1#0	21.45	21.58	21.40	26.63	26.76	26.58
		1#50	22.30	21.59	21.49	27.48	26.77	26.67
		1#99	22.24	21.53	21.91	27.42	26.71	27.09
		50#0	21.31	21.81	22.17	26.49	26.99	27.35
		50#50	22.17	22.21	22.23	27.35	27.39	27.41
		100#0	21.34	22.12	21.68	26.52	27.3	26.86

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

Limit: EIRP ≤ 33dBm

LTE Band 26 Lower

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	High	Cross	Low	High	Cross
1.4	QPSK	1#0	23.19	22.96	23.57	23.68	23.45	24.06
		1#3	22.88	23.52	23.19	23.37	24.01	23.68
		1#5	23.02	23.53	23.60	23.51	24.02	24.09
		3#0	23.12	22.82	23.51	23.61	23.31	24.00
		3#3	23.69	23.47	23.57	24.18	23.96	24.06
		6#0	22.95	23.77	22.97	23.44	24.26	23.46
	16QAM	1#0	23.31	23.73	22.77	23.80	24.22	23.26
		1#3	22.97	23.55	23.29	23.46	24.04	23.78
		1#5	22.80	23.31	23.18	23.29	23.80	23.67
		3#0	23.65	23.36	23.35	24.14	23.85	23.84
		3#3	23.32	23.22	22.97	23.81	23.71	23.46
		6#0	23.33	23.39	23.34	23.82	23.88	23.83
3	QPSK	1#0	22.93	23.48	22.64	23.42	23.97	23.13
		1#8	23.32	23.15	23.27	23.81	23.64	23.76
		1#14	23.44	23.75	23.08	23.93	24.24	23.57
		6#0	23.53	23.37	22.85	24.02	23.86	23.34
		6#9	23.29	23.09	23.39	23.78	23.58	23.88
		15#0	23.17	23.76	23.54	23.66	24.25	24.03
	16QAM	1#0	23.69	22.78	23.59	24.18	23.27	24.08
		1#8	23.72	23.01	23.02	24.21	23.50	23.51
		1#14	22.82	23.24	23.55	23.31	23.73	24.04
		6#0	23.24	23.10	22.95	23.73	23.59	23.44
		6#9	23.43	23.37	23.06	23.92	23.86	23.55
		15#0	23.73	23.34	23.57	24.22	23.83	24.06

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	High	Cross	Low	High	Cross
5	QPSK	1#0	23.73	23.24	23.35	24.22	23.73	23.84
		1#13	23.16	23.62	23.02	23.65	24.11	23.51
		1#24	23.73	22.77	23.29	24.22	23.26	23.78
		15#0	23.05	23.58	23.45	23.54	24.07	23.94
		15#10	23.25	23.57	23.15	23.74	24.06	23.64
		25#0	23.01	22.99	23.58	23.50	23.48	24.07
	16QAM	1#0	23.09	22.87	23.37	23.58	23.36	23.86
		1#13	23.56	23.60	23.63	24.05	24.09	24.12
		1#24	23.48	23.73	23.08	23.97	24.22	23.57
		15#0	22.86	22.76	23.57	23.35	23.25	24.06
		15#10	23.30	23.51	23.22	23.79	24.00	23.71
		25#0	22.88	23.81	22.66	23.37	24.30	23.15
10	QPSK	1#0	23.81	/	23.03	24.30	/	23.52
		1#25	23.38	/	22.68	23.87	/	23.17
		1#49	23.56	/	22.90	24.05	/	23.39
		25#0	23.65	/	23.14	24.14	/	23.63
		25#25	22.77	/	22.89	23.26	/	23.38
		50#0	22.81	/	22.99	23.30	/	23.48
	16QAM	1#0	23.78	/	23.13	24.27	/	23.62
		1#25	23.20	/	23.32	23.69	/	23.81
		1#49	22.75	/	23.18	23.24	/	23.67
		25#0	23.16	/	23.22	23.65	/	23.71
		25#25	23.66	/	23.38	24.15	/	23.87
		50#0	22.80	/	23.23	23.29	/	23.72
15	QPSK	1#0	23.55	/	23.36	24.04	/	23.85
		1#38	23.59	/	23.09	24.08	/	23.58
		1#74	23.41	/	22.98	23.90	/	23.47
		36#0	23.35	/	23.13	23.84	/	23.62
		36#39	23.72	/	23.22	24.21	/	23.71
		75#0	23.51	/	23.63	24.00	/	24.12
	16QAM	1#0	23.59	/	23.58	24.08	/	24.07
		1#38	23.36	/	23.62	23.85	/	24.11
		1#74	23.53	/	23.55	24.02	/	24.04
		36#0	23.66	/	23.37	24.15	/	23.86
		36#39	23.39	/	23.51	23.88	/	24.00
		75#0	23.55	/	23.43	24.04	/	23.92

LTE Band 26 Upper

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	1#0	23.16	23.21	22.93	23.65	23.70	23.42
		1#3	23.07	23.45	22.82	23.56	23.94	23.31
		1#5	22.76	23.45	22.98	23.25	23.94	23.47
		3#0	22.60	22.94	23.03	23.09	23.43	23.52
		3#3	22.83	23.50	22.88	23.32	23.99	23.37
		6#0	23.09	23.13	22.72	23.58	23.62	23.21
	16QAM	1#0	22.79	23.48	23.00	23.28	23.97	23.49
		1#3	22.77	23.54	23.03	23.26	24.03	23.52
		1#5	22.60	23.16	22.88	23.09	23.65	23.37
		3#0	23.10	22.63	23.13	23.59	23.12	23.62
		3#3	23.02	23.09	23.58	23.51	23.58	24.07
		6#0	22.95	22.98	23.25	23.44	23.47	23.74
3	QPSK	1#0	23.05	23.15	22.96	23.54	23.64	23.45
		1#8	23.24	23.52	23.24	23.73	24.01	23.73
		1#14	22.90	23.02	23.51	23.39	23.51	24.00
		6#0	22.92	23.06	23.25	23.41	23.55	23.74
		6#9	23.61	22.73	22.66	24.10	23.22	23.15
		15#0	23.57	23.43	23.37	24.06	23.92	23.86
	16QAM	1#0	23.18	22.71	23.29	23.67	23.20	23.78
		1#8	23.55	22.84	23.26	24.04	23.33	23.75
		1#14	22.89	23.24	23.33	23.38	23.73	23.82
		6#0	23.11	22.90	23.06	23.60	23.39	23.55
		6#9	23.51	23.53	23.63	24.00	24.02	24.12
		15#0	23.08	23.42	23.03	23.57	23.91	23.52

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.99	23.03	23.23	23.48	23.52	23.72
		1#13	22.90	23.63	22.75	23.39	24.12	23.24
		1#24	23.52	22.99	23.64	24.01	23.48	24.13
		15#0	23.20	22.86	23.33	23.69	23.35	23.82
		15#10	23.28	22.86	22.95	23.77	23.35	23.44
		25#0	22.76	22.73	23.19	23.25	23.22	23.68
	16QAM	1#0	23.49	22.74	23.58	23.98	23.23	24.07
		1#13	23.43	23.13	22.85	23.92	23.62	23.34
		1#24	22.74	23.39	22.85	23.23	23.88	23.34
		15#0	22.88	22.82	23.34	23.37	23.31	23.83
		15#10	23.07	23.35	22.73	23.56	23.84	23.22
		25#0	23.58	23.59	22.81	24.07	24.08	23.30
10	QPSK	1#0	22.84	23.09	23.16	23.33	23.58	23.65
		1#25	22.69	23.32	22.66	23.18	23.81	23.15
		1#49	23.12	23.59	23.05	23.61	24.08	23.54
		25#0	23.40	23.38	23.46	23.89	23.87	23.95
		25#25	22.95	23.58	23.28	23.44	24.07	23.77
		50#0	23.34	22.94	22.87	23.83	23.43	23.36
	16QAM	1#0	23.57	23.23	23.08	24.06	23.72	23.57
		1#25	23.64	23.38	22.82	24.13	23.87	23.31
		1#49	23.53	23.27	23.36	24.02	23.76	23.85
		25#0	23.59	22.96	23.10	24.08	23.45	23.59
		25#25	22.62	23.17	23.43	23.11	23.66	23.92
		50#0	23.27	23.53	23.25	23.76	24.02	23.74
15	QPSK	1#0	23.68	23.53	23.36	24.17	24.02	23.85
		1#38	23.42	23.22	22.80	23.91	23.71	23.29
		1#74	23.23	22.98	23.09	23.72	23.47	23.58
		36#0	23.05	22.98	22.86	23.54	23.47	23.35
		36#39	23.00	22.70	22.83	23.49	23.19	23.32
		75#0	23.30	22.95	23.07	23.79	23.44	23.56
	16QAM	1#0	22.71	22.95	23.59	23.20	23.44	24.08
		1#38	22.85	23.03	22.99	23.34	23.52	23.48
		1#74	23.33	22.80	22.71	23.82	23.29	23.20
		36#0	23.20	22.98	22.90	23.69	23.47	23.39
		36#39	23.61	23.23	22.82	24.10	23.72	23.31
		75#0	23.49	23.17	22.78	23.98	23.66	23.27

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 41

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
5	QPSK	1#0	22.51	22.27	23.29	24.10	23.86	24.88
		1#13	22.48	22.25	23.28	24.07	23.84	24.87
		1#24	22.47	22.26	23.37	24.06	23.85	24.96
		15#0	21.39	21.15	22.29	22.98	22.74	23.88
		15#10	21.35	21.23	22.32	22.94	22.82	23.91
		25#0	21.39	21.20	22.34	22.98	22.79	23.93
	16QAM	1#0	21.34	21.21	22.24	22.93	22.80	23.83
		1#13	21.68	21.69	22.47	23.27	23.28	24.06
		1#24	21.66	21.67	22.54	23.25	23.26	24.13
		15#0	21.61	21.67	22.54	23.20	23.26	24.13
		15#10	20.42	20.35	21.30	22.01	21.94	22.89
		25#0	20.42	20.34	21.41	22.01	21.93	23.00
10	QPSK	1#0	22.50	22.09	23.24	24.09	23.68	24.83
		1#25	22.35	22.02	23.26	23.94	23.61	24.85
		1#49	22.46	22.13	23.35	24.05	23.72	24.94
		25#0	21.35	21.18	22.19	22.94	22.77	23.78
		25#25	21.46	21.18	22.24	23.05	22.77	23.83
		50#0	21.45	21.20	22.29	23.04	22.79	23.88
	16QAM	1#0	21.47	21.17	22.21	23.06	22.76	23.80
		1#25	21.68	21.35	22.54	23.27	22.94	24.13
		1#49	21.56	21.33	22.59	23.15	22.92	24.18
		25#0	21.73	21.40	22.70	23.32	22.99	24.29
		25#25	20.61	20.26	21.32	22.20	21.85	22.91
		50#0	20.59	20.37	21.36	22.18	21.96	22.95

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP (dBm)		
			Low	Mid	High	Low	Mid	High
15	QPSK	1#0	22.48	22.11	23.11	24.07	23.70	24.70
		1#38	22.47	22.09	23.19	24.06	23.68	24.78
		1#74	22.41	22.14	23.28	24.00	23.73	24.87
		36#0	21.47	21.12	22.05	23.06	22.71	23.64
		36#39	21.41	21.15	22.19	23.00	22.74	23.78
		75#0	21.32	21.12	22.25	22.91	22.71	23.84
	16QAM	1#0	21.32	21.12	22.07	22.91	22.71	23.66
		1#38	21.99	21.39	22.48	23.58	22.98	24.07
		1#74	21.92	21.34	22.58	23.51	22.93	24.17
		36#0	21.87	21.43	22.72	23.46	23.02	24.31
		36#39	20.64	20.31	21.11	22.23	21.90	22.70
		75#0	20.55	20.32	21.17	22.14	21.91	22.76
20	QPSK	1#0	23.40	23.17	23.21	24.99	24.76	24.80
		1#50	22.45	22.25	23.07	24.04	23.84	24.66
		1#99	22.30	22.27	23.21	23.89	23.86	24.80
		50#0	23.11	23.04	23.08	24.70	24.63	24.67
		50#50	22.45	22.16	22.02	24.04	23.75	23.61
		100#0	22.43	22.20	22.12	24.02	23.79	23.71
	16QAM	1#0	21.33	21.82	22.16	22.92	23.41	23.75
		1#50	21.68	21.53	21.60	23.27	23.12	23.19
		1#99	21.63	22.49	22.31	23.22	24.08	23.90
		50#0	21.53	21.58	21.98	23.12	23.17	23.57
		50#50	20.47	21.93	21.75	22.06	23.52	23.34
		100#0	20.53	22.47	22.07	22.12	24.06	23.66

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

Limit: EIRP ≤ 33 dBm

Peak-to-average ratio (PAR):**LTE Band 2**

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	20M	3.54	3.59	3.62	13	Pass
	RB100#0		4.46	4.58	4.55	13	Pass
16QAM	RB1#0	20M	5.25	5.36	5.30	13	Pass
	RB100#0		5.80	5.86	5.83	13	Pass

LTE Band 4

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	20M	3.51	3.51	3.57	13	Pass
	RB100#0		4.35	4.52	4.55	13	Pass
16QAM	RB1#0	20M	5.22	5.22	5.33	13	Pass
	RB100#0		5.68	5.80	5.83	13	Pass

LTE Band 5

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	10M	3.71	3.3	3.54	13	Pass
	RB50#0		4.46	4.49	4.38	13	Pass
16QAM	RB1#0	10M	5.45	4.72	5.1	13	Pass
	RB50#0		5.80	5.71	5.65	13	Pass

LTE Band 7

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	20M	3.77	3.68	3.74	13	Pass
	RB100#0		4.55	4.70	4.72	13	Pass
16QAM	RB1#0	20M	5.54	5.33	5.33	13	Pass
	RB100#0		5.94	6.03	6.03	13	Pass

LTE Band 12

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	10M	3.62	3.62	3.59	13	Pass
	RB50#0		4.35	4.61	4.78	13	Pass
16QAM	RB1#0	10M	5.45	5.42	5.33	13	Pass
	RB50#0		5.86	5.91	6.00	13	Pass

LTE Band 13

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	10M	/	3.68	/	13	Pass
	RB50#0		/	4.7	/	13	Pass
16QAM	RB1#0	10M	/	5.25	/	13	Pass
	RB50#0		/	6.00	/	13	Pass

LTE Band 14

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	10M	/	3.77	/	13	Pass
	RB50#0		/	4.67	/	13	Pass
16QAM	RB1#0	10M	/	5.54	/	13	Pass
	RB50#0		/	6.03	/	13	Pass

LTE Band 17

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	10M	3.59	3.57	3.59	13	Pass
	RB50#0		4.75	4.81	4.72	13	Pass
16QAM	RB1#0	10M	5.36	5.33	5.39	13	Pass
	RB50#0		5.97	6.00	6.03	13	Pass

LTE Band 25

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	20M	3.65	3.80	3.74	13	Pass
	RB100#0		4.64	4.64	4.49	13	Pass
16QAM	RB1#0	20M	5.36	5.65	5.59	13	Pass
	RB100#0		5.91	5.97	5.74	13	Pass

LTE Band 26 Lower

Modulation		Test Bandwidth	Low channel (dB)	Cross channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	15M	3.35	4.74	13	Pass
	RB75#0		4.18	5.13	13	Pass
16QAM	RB1#0	15M	4.32	5.09	13	Pass
	RB75#0		4.53	5.16	13	Pass

LTE Band 26 Upper

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	15M	3.74	3.62	3.51	13	Pass
	RB75#0		4.49	4.38	4.38	13	Pass
16QAM	RB1#0	15M	5.48	5.25	5.16	13	Pass
	RB75#0		5.80	5.65	5.68	13	Pass

LTE Band 41

Modulation		Test Bandwidth	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK	RB1#0	20M	7.39	7.70	7.65	13	Pass
	RB100#0		5.38	6.11	5.56	13	Pass
16QAM	RB1#0	20M	7.66	7.73	7.72	13	Pass
	RB100#0		5.9	6.1	5.78	13	Pass

SPURIOUS RADIATED EMISSIONS

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										
235.68	54.51	168	200	H	-48.12	0.43	-2.74	-51.29	-13	38.29
235.68	60.91	50	150	V	-47.47	0.43	-2.74	-50.64	-13	37.64
1649.40	64.90	60	100	H	-48.44	0.84	8.44	-40.84	-13	27.84
1649.40	65.77	116	100	V	-47.57	0.84	8.44	-39.97	-13	26.97
16-QAM 1.4MHz Bandwidth Low Channel										
235.68	54.86	257	150	H	-47.77	0.43	-2.74	-50.94	-13	37.94
235.68	59.88	317	150	V	-48.50	0.43	-2.74	-51.67	-13	38.67
1649.40	64.66	234	150	H	-48.68	0.84	8.44	-41.08	-13	28.08
1649.40	65.23	68	100	V	-48.11	0.84	8.44	-40.51	-13	27.51
QPSK 1.4MHz Bandwidth Middle Channel										
235.68	55.87	255	100	H	-46.75	0.43	-2.74	-49.92	-13	36.92
235.68	61.16	232	150	V	-47.22	0.43	-2.74	-50.39	-13	37.39
1673.00	65.16	35	200	H	-48.01	0.84	8.48	-40.37	-13	27.37
1673.00	64.48	197	200	V	-48.69	0.84	8.48	-41.05	-13	28.05
16-QAM 1.4MHz Bandwidth Middle Channel										
235.68	56.12	233	200	H	-46.50	0.43	-2.74	-49.67	-13	36.67
235.68	61.07	213	150	V	-47.31	0.43	-2.74	-50.48	-13	37.48
1673.00	64.85	191	200	H	-48.32	0.84	8.48	-40.68	-13	27.68
1673.00	64.19	249	100	V	-48.98	0.84	8.48	-41.34	-13	28.34
QPSK 1.4MHz Bandwidth High Channel										
235.68	54.63	268	200	H	-47.99	0.43	-2.74	-51.16	-13	38.16
235.68	60.77	100	150	V	-47.61	0.43	-2.74	-50.78	-13	37.78
1696.60	64.28	229	200	H	-48.73	0.84	8.52	-41.05	-13	28.05
1696.60	64.59	177	150	V	-48.42	0.84	8.52	-40.74	-13	27.74
16-QAM 1.4MHz Bandwidth High Channel										
235.68	55.33	286	150	H	-47.29	0.43	-2.74	-50.46	-13	37.46
235.68	60.52	163	200	V	-47.86	0.43	-2.74	-51.03	-13	38.03
1696.60	64.46	196	200	H	-48.55	0.84	8.52	-40.87	-13	27.87
1696.60	64.07	107	150	V	-48.94	0.84	8.52	-41.26	-13	28.26

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										
328.67	61.95	257	100	H	-45.97	0.48	-1.92	-48.37	-13	35.37
328.67	58.04	323	150	V	-46.91	0.48	-1.92	-49.31	-13	36.31
1399.40	66.78	35	200	H	-47.39	0.82	7.92	-40.29	-13	27.29
1399.40	66.05	173	200	V	-48.12	0.82	7.92	-41.02	-13	28.02
16-QAM 1.4MHz Bandwidth Low Channel										
328.67	60.04	54	150	H	-47.88	0.48	-1.92	-50.28	-13	37.28
328.67	57.78	40	100	V	-47.17	0.48	-1.92	-49.57	-13	36.57
1399.40	66.61	315	150	H	-47.56	0.82	7.92	-40.46	-13	27.46
1399.40	67.20	269	200	V	-46.97	0.82	7.92	-39.87	-13	26.87
QPSK 1.4MHz Bandwidth Middle Channel										
328.67	61.65	159	100	H	-46.27	0.48	-1.92	-48.67	-13	35.67
328.67	57.98	68	150	V	-46.97	0.48	-1.92	-49.37	-13	36.37
1415.00	66.91	279	100	H	-47.29	0.82	7.96	-40.15	-13	27.15
1415.00	66.09	198	100	V	-48.11	0.82	7.96	-40.97	-13	27.97
16-QAM 1.4MHz Bandwidth Middle Channel										
328.67	60.50	318	100	H	-47.42	0.48	-1.92	-49.82	-13	36.82
328.67	58.34	338	150	V	-46.61	0.48	-1.92	-49.01	-13	36.01
1415.00	66.88	328	200	H	-47.32	0.82	7.96	-40.18	-13	27.18
1415.00	67.60	17	200	V	-46.60	0.82	7.96	-39.46	-13	26.46
QPSK 1.4MHz Bandwidth High Channel										
328.67	60.20	5	100	H	-47.72	0.48	-1.92	-50.12	-13	37.12
328.67	57.68	94	200	V	-47.27	0.48	-1.92	-49.67	-13	36.67
1430.60	66.17	323	150	H	-48.06	0.82	8.01	-40.87	-13	27.87
1430.60	67.00	231	150	V	-47.23	0.82	8.01	-40.04	-13	27.04
16-QAM 1.4MHz Bandwidth High Channel										
328.67	61.14	38	150	H	-46.78	0.48	-1.92	-49.18	-13	36.18
328.67	57.48	253	150	V	-47.47	0.48	-1.92	-49.87	-13	36.87
1430.60	67.07	58	100	H	-47.16	0.82	8.01	-39.97	-13	26.97
1430.60	66.40	282	100	V	-47.83	0.82	8.01	-40.64	-13	27.64

LTE Band 13

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										
319.84	59.90	346	200	H	-47.80	0.47	-1.99	-50.26	-13	37.26
319.84	58.37	17	200	V	-46.91	0.47	-1.99	-49.37	-13	36.37
1559.00	63.22	31	200	H	-50.74	0.83	8.29	-43.28	-40	3.28
1559.00	62.39	95	150	V	-51.57	0.83	8.29	-44.11	-40	4.11
16-QAM 5MHz Bandwidth Low Channel										
319.84	59.94	342	150	H	-47.76	0.47	-1.99	-50.22	-13	37.22
319.84	58.02	276	200	V	-47.26	0.47	-1.99	-49.72	-13	36.72
1559.00	63.65	333	100	H	-50.31	0.83	8.29	-42.85	-40	2.85
1559.00	63.24	1	150	V	-50.72	0.83	8.29	-43.26	-40	3.26
QPSK 5MHz Bandwidth Middle Channel										
319.84	60.14	311	150	H	-47.56	0.47	-1.99	-50.02	-13	37.02
319.84	58.51	352	100	V	-46.77	0.47	-1.99	-49.23	-13	36.23
1564.00	64.43	317	200	H	-49.50	0.83	8.30	-42.03	-40	2.03
1564.00	63.50	156	200	V	-50.43	0.83	8.30	-42.96	-40	2.96
16-QAM 5MHz Bandwidth Middle Channel										
319.84	60.44	17	200	H	-47.26	0.47	-1.99	-49.72	-13	36.72
319.84	57.41	312	150	V	-47.87	0.47	-1.99	-50.33	-13	37.33
1564.00	63.38	177	200	H	-50.55	0.83	8.30	-43.08	-40	3.08
1564.00	63.89	179	150	V	-50.04	0.83	8.30	-42.57	-40	2.57
QPSK 5MHz Bandwidth High Channel										
319.84	61.52	6	150	H	-46.18	0.47	-1.99	-48.64	-13	35.64
319.84	58.66	0	100	V	-46.62	0.47	-1.99	-49.08	-13	36.08
1569.00	63.53	91	200	H	-50.36	0.83	8.31	-42.88	-40	2.88
1569.00	64.46	334	150	V	-49.43	0.83	8.31	-41.95	-40	1.95
16-QAM 5MHz Bandwidth High Channel										
319.84	60.10	136	200	H	-47.60	0.47	-1.99	-50.06	-13	37.06
319.84	58.46	62	100	V	-46.82	0.47	-1.99	-49.28	-13	36.28
1569.00	64.42	66	200	H	-49.47	0.83	8.31	-41.99	-40	1.99
1569.00	63.73	301	200	V	-50.16	0.83	8.31	-42.68	-40	2.68

LTE Band 14

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										
334.25	60.27	149	150	H	-47.79	0.48	-1.88	-50.15	-13	37.15
334.25	57.43	290	100	V	-47.31	0.48	-1.88	-49.67	-13	36.67
1581.00	63.43	186	200	H	-50.38	0.83	8.33	-42.88	-40	2.88
1581.00	63.26	284	200	V	-50.55	0.83	8.33	-43.05	-40	3.05
16-QAM 5MHz Bandwidth Low Channel										
334.25	60.55	4	100	H	-47.51	0.48	-1.88	-49.87	-13	36.87
334.25	56.98	298	150	V	-47.76	0.48	-1.88	-50.12	-13	37.12
1581.00	64.75	88	200	H	-49.06	0.83	8.33	-41.56	-40	1.56
1581.00	63.97	219	150	V	-49.84	0.83	8.33	-42.34	-40	2.34
QPSK 5MHz Bandwidth Middle Channel										
334.25	60.05	173	150	H	-48.01	0.48	-1.88	-50.37	-13	37.37
334.25	57.72	92	100	V	-47.02	0.48	-1.88	-49.38	-13	36.38
1586.00	63.39	59	100	H	-50.38	0.83	8.34	-42.87	-40	2.87
1586.00	64.27	245	100	V	-49.50	0.83	8.34	-41.99	-40	1.99
16-QAM 5MHz Bandwidth Middle Channel										
334.25	59.19	252	200	H	-48.87	0.48	-1.88	-51.23	-13	38.23
334.25	56.23	198	150	V	-48.51	0.48	-1.88	-50.87	-13	37.87
1586.00	63.37	75	200	H	-50.40	0.83	8.34	-42.89	-40	2.89
1586.00	64.25	323	100	V	-49.52	0.83	8.34	-42.01	-40	2.01
QPSK 5MHz Bandwidth High Channel										
334.25	59.54	346	150	H	-48.52	0.48	-1.88	-50.88	-13	37.88
334.25	55.38	88	200	V	-49.36	0.48	-1.88	-51.72	-13	38.72
1591.00	63.34	109	100	H	-50.40	0.83	8.35	-42.88	-40	2.88
1591.00	62.88	140	100	V	-50.86	0.83	8.35	-43.34	-40	3.34
16-QAM 5MHz Bandwidth High Channel										
334.25	59.45	274	200	H	-48.61	0.48	-1.88	-50.97	-13	37.97
334.25	55.42	314	150	V	-49.32	0.48	-1.88	-51.68	-13	38.68
1591.00	64.24	156	150	H	-49.50	0.83	8.35	-41.98	-40	1.98
1591.00	63.58	96	100	V	-50.16	0.83	8.35	-42.64	-40	2.64

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										
267.48	52.28	188	150	H	-51.17	0.45	-2.22	-53.84	-13	40.84
267.48	58.02	83	150	V	-50.40	0.45	-2.22	-53.07	-13	40.07
1413.00	63.04	346	100	H	-51.16	0.82	7.96	-44.02	-13	31.02
1413.00	63.90	202	100	V	-50.30	0.82	7.96	-43.16	-13	30.16
16-QAM 5MHz Bandwidth Low Channel										
267.48	52.88	19	150	H	-50.57	0.45	-2.22	-53.24	-13	40.24
267.48	57.08	98	100	V	-51.34	0.45	-2.22	-54.01	-13	41.01
1413.00	63.69	138	100	H	-50.51	0.82	7.96	-43.37	-13	30.37
1413.00	63.04	92	100	V	-51.16	0.82	7.96	-44.02	-13	31.02
QPSK 5MHz Bandwidth Middle Channel										
267.48	53.18	251	150	H	-50.27	0.45	-2.22	-52.94	-13	39.94
267.48	57.51	262	200	V	-50.91	0.45	-2.22	-53.58	-13	40.58
1420.00	64.08	252	200	H	-50.13	0.82	7.98	-42.97	-13	29.97
1420.00	63.47	248	150	V	-50.74	0.82	7.98	-43.58	-13	30.58
16-QAM 5MHz Bandwidth Middle Channel										
267.48	54.26	52	200	H	-49.19	0.45	-2.22	-51.86	-13	38.86
267.48	58.60	105	100	V	-49.82	0.45	-2.22	-52.49	-13	39.49
1420.00	65.37	355	100	H	-48.84	0.82	7.98	-41.68	-13	28.68
1420.00	64.98	264	200	V	-49.23	0.82	7.98	-42.07	-13	29.07
QPSK 5MHz Bandwidth High Channel										
267.48	53.05	184	100	H	-50.40	0.45	-2.22	-53.07	-13	40.07
267.48	58.91	249	100	V	-49.51	0.45	-2.22	-52.18	-13	39.18
1427.00	64.43	333	200	H	-49.79	0.82	8.00	-42.61	-13	29.61
1427.00	65.15	231	100	V	-49.07	0.82	8.00	-41.89	-13	28.89
16-QAM 5MHz Bandwidth High Channel										
267.48	53.15	130	200	H	-50.30	0.45	-2.22	-52.97	-13	39.97
267.48	57.21	175	200	V	-51.21	0.45	-2.22	-53.88	-13	40.88
1427.00	64.67	256	150	H	-49.55	0.82	8.00	-42.37	-13	29.37
1427.00	63.98	273	200	V	-50.24	0.82	8.00	-43.06	-13	30.06

LTE Band 26 Lower

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										
353.67	55.23	24	100	H	-52.97	0.49	-1.72	-55.18	-13	42.18
353.67	52.01	249	100	V	-52.16	0.49	-1.72	-54.37	-13	41.37
1629.40	63.05	18	100	H	-50.43	0.84	8.41	-42.86	-13	29.86
1629.40	62.19	260	100	V	-51.29	0.84	8.41	-43.72	-13	30.72
16-QAM 1.4MHz Bandwidth Low Channel										
353.67	54.12	351	100	H	-54.08	0.49	-1.72	-56.29	-13	43.29
353.67	50.90	35	150	V	-53.27	0.49	-1.72	-55.48	-13	42.48
1629.40	61.73	283	150	H	-51.75	0.84	8.41	-44.18	-13	31.18
1629.40	62.62	297	150	V	-50.86	0.84	8.41	-43.29	-13	30.29
QPSK 1.4MHz Bandwidth High Channel										
353.67	56.09	168	200	H	-52.11	0.49	-1.72	-54.32	-13	41.32
353.67	51.77	40	100	V	-52.40	0.49	-1.72	-54.61	-13	41.61
1646.60	62.06	331	150	H	-51.29	0.84	8.44	-43.69	-13	30.69
1646.60	61.93	354	100	V	-51.42	0.84	8.44	-43.82	-13	30.82
16-QAM 1.4MHz Bandwidth High Channel										
353.67	55.23	298	100	H	-52.97	0.49	-1.72	-55.18	-13	42.18
353.67	50.98	194	150	V	-53.19	0.49	-1.72	-55.40	-13	42.40
1646.60	60.93	236	100	H	-52.42	0.84	8.44	-44.82	-13	31.82
1646.60	60.58	134	100	V	-52.77	0.84	8.44	-45.17	-13	32.17
QPSK 1.4MHz Bandwidth Cross Channel										
353.67	56.83	281	150	H	-51.37	0.49	-1.72	-53.58	-13	40.58
353.67	52.62	278	100	V	-51.55	0.49	-1.72	-53.76	-13	40.76
1648.00	63.42	300	100	H	-49.93	0.84	8.44	-42.33	-13	29.33
1648.00	63.18	74	100	V	-50.17	0.84	8.44	-42.57	-13	29.57
16-QAM 1.4MHz Bandwidth Cross Channel										
353.67	56.09	204	150	H	-52.11	0.49	-1.72	-54.32	-13	41.32
353.67	51.59	153	150	V	-52.58	0.49	-1.72	-54.79	-13	41.79
1648.00	63.19	22	150	H	-50.16	0.84	8.44	-42.56	-13	29.56
1648.00	63.06	236	100	V	-50.29	0.84	8.44	-42.69	-13	29.69

LTE Band 26 Upper

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										
353.67	56.09	268	200	H	-52.11	0.49	-1.72	-54.32	-13	41.32
353.67	51.71	109	150	V	-52.46	0.49	-1.72	-54.67	-13	41.67
1649.40	61.01	307	200	H	-52.33	0.84	8.44	-44.73	-13	31.73
1649.40	60.78	288	200	V	-52.56	0.84	8.44	-44.96	-13	31.96
16-QAM 1.4MHz Bandwidth Low Channel										
353.67	55.56	98	200	H	-52.64	0.49	-1.72	-54.85	-13	41.85
353.67	51.27	104	200	V	-52.90	0.49	-1.72	-55.11	-13	42.11
1649.40	61.03	14	100	H	-52.31	0.84	8.44	-44.71	-13	31.71
1649.40	60.82	35	200	V	-52.52	0.84	8.44	-44.92	-13	31.92
QPSK 1.4MHz Bandwidth Middle Channel										
353.67	55.15	292	200	H	-53.05	0.49	-1.72	-55.26	-13	42.26
353.67	50.91	196	200	V	-53.26	0.49	-1.72	-55.47	-13	42.47
1673.00	59.71	332	150	H	-53.46	0.84	8.48	-45.82	-13	32.82
1673.00	59.46	50	150	V	-53.71	0.84	8.48	-46.07	-13	33.07
16-QAM 1.4MHz Bandwidth Middle Channel										
353.67	55.38	233	200	H	-52.82	0.49	-1.72	-55.03	-13	42.03
353.67	51.07	164	150	V	-53.10	0.49	-1.72	-55.31	-13	42.31
1673.00	60.64	136	150	H	-52.53	0.84	8.48	-44.89	-13	31.89
1673.00	60.30	162	150	V	-52.87	0.84	8.48	-45.23	-13	32.23
QPSK 1.4MHz Bandwidth High Channel										
353.67	56.54	12	150	H	-51.66	0.49	-1.72	-53.87	-13	40.87
353.67	51.99	227	100	V	-52.18	0.49	-1.72	-54.39	-13	41.39
1696.60	61.06	256	200	H	-51.95	0.84	8.51	-44.28	-13	31.28
1696.60	60.28	187	200	V	-52.73	0.84	8.51	-45.06	-13	32.06
16-QAM 1.4MHz Bandwidth High Channel										
353.67	56.44	110	150	H	-51.76	0.49	-1.72	-53.97	-13	40.97
353.67	52.00	27	100	V	-52.17	0.49	-1.72	-54.38	-13	41.38
1696.60	61.16	312	150	H	-51.85	0.84	8.51	-44.18	-13	31.18
1696.60	60.41	159	100	V	-52.60	0.84	8.51	-44.93	-13	31.93

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										
312.57	60.77	232	200	H	-46.76	0.47	-2.05	-49.28	-13	36.28
312.57	59.41	43	200	V	-46.15	0.47	-2.05	-48.67	-13	35.67
3701.40	55.51	46	200	H	-51.45	0.95	9.78	-42.62	-13	29.62
3701.40	54.67	282	100	V	-52.29	0.95	9.78	-43.46	-13	30.46
16-QAM 1.4MHz Bandwidth Low Channel										
312.57	61.08	49	200	H	-46.45	0.47	-2.05	-48.97	-13	35.97
312.57	58.42	171	200	V	-47.14	0.47	-2.05	-49.66	-13	36.66
3701.40	54.86	168	100	H	-52.10	0.95	9.78	-43.27	-13	30.27
3701.40	54.07	133	200	V	-52.89	0.95	9.78	-44.06	-13	31.06
QPSK 1.4MHz Bandwidth Middle Channel										
312.57	60.78	307	150	H	-46.75	0.47	-2.05	-49.27	-13	36.27
312.57	59.59	28	200	V	-45.97	0.47	-2.05	-48.49	-13	35.49
3760.00	55.02	295	200	H	-51.76	0.95	9.74	-42.97	-13	29.97
3760.00	54.31	274	200	V	-52.47	0.95	9.74	-43.68	-13	30.68
16-QAM 1.4MHz Bandwidth Middle Channel										
312.57	61.66	296	100	H	-45.87	0.47	-2.05	-48.39	-13	35.39
312.57	59.06	104	200	V	-46.50	0.47	-2.05	-49.02	-13	36.02
3760.00	54.81	205	150	H	-51.97	0.95	9.74	-43.18	-13	30.18
3760.00	55.60	231	150	V	-51.18	0.95	9.74	-42.39	-13	29.39
QPSK 1.4MHz Bandwidth High Channel										
312.57	61.29	212	200	H	-46.24	0.47	-2.05	-48.76	-13	35.76
312.57	60.16	68	200	V	-45.40	0.47	-2.05	-47.92	-13	34.92
3818.60	60.78	46	150	H	-50.76	0.85	8.85	-42.76	-13	29.76
3818.60	60.09	22	150	V	-51.45	0.85	8.85	-43.45	-13	30.45
16-QAM 1.4MHz Bandwidth High Channel										
312.57	60.97	301	200	H	-46.56	0.47	-2.05	-49.08	-13	36.08
312.57	59.71	308	200	V	-45.85	0.47	-2.05	-48.37	-13	35.37
3818.60	60.26	223	150	H	-51.28	0.85	8.85	-43.28	-13	30.28
3818.60	61.12	238	150	V	-50.42	0.85	8.85	-42.42	-13	29.42

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										
264.59	55.30	200	100	H	-47.81	0.45	-2.22	-50.48	-13	37.48
264.59	60.04	335	150	V	-48.59	0.45	-2.22	-51.26	-13	38.26
3421.40	54.87	349	100	H	-53.07	0.93	9.82	-44.18	-13	31.18
3421.40	56.08	86	150	V	-51.86	0.93	9.82	-42.97	-13	29.97
16-QAM 1.4MHz Bandwidth Low Channel										
264.59	55.11	346	150	H	-48.00	0.45	-2.22	-50.67	-13	37.67
264.59	62.19	271	100	V	-46.44	0.45	-2.22	-49.11	-13	36.11
3421.40	56.38	148	100	H	-51.56	0.93	9.82	-42.67	-13	29.67
3421.40	55.77	239	100	V	-52.17	0.93	9.82	-43.28	-13	30.28
QPSK 1.4MHz Bandwidth Middle Channel										
264.59	56.06	190	200	H	-47.05	0.45	-2.22	-49.72	-13	36.72
264.59	60.66	166	200	V	-47.97	0.45	-2.22	-50.64	-13	37.64
3465.00	55.63	343	200	H	-52.12	0.93	9.87	-43.18	-13	30.18
3465.00	56.50	322	150	V	-51.25	0.93	9.87	-42.31	-13	29.31
16-QAM 1.4MHz Bandwidth Middle Channel										
264.59	55.59	79	200	H	-47.52	0.45	-2.22	-50.19	-13	37.19
264.59	62.34	10	150	V	-46.29	0.45	-2.22	-48.96	-13	35.96
3465.00	56.00	174	150	H	-51.75	0.93	9.87	-42.81	-13	29.81
3465.00	54.87	51	150	V	-52.88	0.93	9.87	-43.94	-13	30.94
QPSK 1.4MHz Bandwidth High Channel										
264.59	55.81	187	200	H	-47.30	0.45	-2.22	-49.97	-13	36.97
264.59	60.48	57	100	V	-48.15	0.45	-2.22	-50.82	-13	37.82
3508.60	55.43	288	100	H	-52.14	0.93	9.89	-43.18	-13	30.18
3508.60	56.15	358	200	V	-51.42	0.93	9.89	-42.46	-13	29.46
16-QAM 1.4MHz Bandwidth High Channel										
264.59	54.09	79	200	H	-49.02	0.45	-2.22	-51.69	-13	38.69
264.59	61.13	157	100	V	-47.50	0.45	-2.22	-50.17	-13	37.17
3508.60	56.52	153	200	H	-51.05	0.93	9.89	-42.09	-13	29.09
3508.60	55.47	247	200	V	-52.10	0.93	9.89	-43.14	-13	30.14

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										
291.67	60.51	277	100	H	-45.74	0.46	-2.17	-48.37	-13	35.37
291.67	60.09	148	200	V	-46.55	0.46	-2.17	-49.18	-13	36.18
3701.40	57.76	356	150	H	-49.20	0.95	9.78	-40.37	-13	27.37
3701.40	57.11	270	100	V	-49.85	0.95	9.78	-41.02	-13	28.02
16-QAM 1.4MHz Bandwidth Low Channel										
291.67	58.59	180	200	H	-47.66	0.46	-2.17	-50.29	-13	37.29
291.67	59.81	134	150	V	-46.83	0.46	-2.17	-49.46	-13	36.46
3701.40	56.91	296	100	H	-50.05	0.95	9.78	-41.22	-13	28.22
3701.40	57.26	330	150	V	-49.70	0.95	9.78	-40.87	-13	27.87
QPSK 1.4MHz Bandwidth Middle Channel										
291.67	59.61	32	200	H	-46.64	0.46	-2.17	-49.27	-13	36.27
291.67	58.95	294	150	V	-47.69	0.46	-2.17	-50.32	-13	37.32
3765.00	57.78	203	200	H	-48.98	0.95	9.74	-40.19	-13	27.19
3765.00	58.70	117	200	V	-48.06	0.95	9.74	-39.27	-13	26.27
16-QAM 1.4MHz Bandwidth Middle Channel										
291.67	59.50	351	200	H	-46.75	0.46	-2.17	-49.38	-13	36.38
291.67	61.14	224	200	V	-45.50	0.46	-2.17	-48.13	-13	35.13
3765.00	56.82	133	100	H	-49.94	0.95	9.74	-41.15	-13	28.15
3765.00	57.63	333	200	V	-49.13	0.95	9.74	-40.34	-13	27.34
QPSK 1.4MHz Bandwidth High Channel										
291.67	58.50	140	200	H	-47.75	0.46	-2.17	-50.38	-13	37.38
291.67	59.65	130	100	V	-46.99	0.46	-2.17	-49.62	-13	36.62
3828.60	58.15	293	100	H	-48.41	0.96	9.70	-39.67	-13	26.67
3828.60	57.64	168	200	V	-48.92	0.96	9.70	-40.18	-13	27.18
16-QAM 1.4MHz Bandwidth High Channel										
291.67	58.04	89	150	H	-48.21	0.46	-2.17	-50.84	-13	37.84
291.67	59.26	109	100	V	-47.38	0.46	-2.17	-50.01	-13	37.01
3828.60	57.59	106	200	H	-48.97	0.96	9.70	-40.23	-13	27.23
3828.60	58.37	237	200	V	-48.19	0.96	9.70	-39.45	-13	26.45

30 MHz ~ 26 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										
223.48	53.75	213	100	H	-49.90	0.43	-3.15	-53.48	-25	28.48
223.48	58.21	175	100	V	-49.04	0.43	-3.15	-52.62	-25	27.62
5005.00	48.41	56	100	H	-57.58	1.08	10.30	-48.36	-25	23.36
5005.00	49.34	251	200	V	-56.65	1.08	10.30	-47.43	-25	22.43
16-QAM 5MHz Bandwidth Low Channel										
223.48	53.12	359	100	H	-50.53	0.43	-3.15	-54.11	-25	29.11
223.48	57.37	15	200	V	-49.88	0.43	-3.15	-53.46	-25	28.46
5005.00	49.16	313	100	H	-56.83	1.08	10.30	-47.61	-25	22.61
5005.00	48.48	151	200	V	-57.51	1.08	10.30	-48.29	-25	23.29
QPSK 5MHz Bandwidth Middle Channel										
223.48	54.39	140	100	H	-49.26	0.43	-3.15	-52.84	-25	27.84
223.48	58.91	214	150	V	-48.34	0.43	-3.15	-51.92	-25	26.92
5070.00	48.23	212	100	H	-57.40	1.09	10.30	-48.19	-25	23.19
5070.00	48.84	306	200	V	-56.79	1.09	10.30	-47.58	-25	22.58
16-QAM 5MHz Bandwidth Middle Channel										
223.48	53.05	247	150	H	-50.60	0.43	-3.15	-54.18	-25	29.18
223.48	57.19	195	150	V	-50.06	0.43	-3.15	-53.64	-25	28.64
5070.00	48.74	123	150	H	-56.89	1.09	10.30	-47.68	-25	22.68
5070.00	47.70	314	150	V	-57.93	1.09	10.30	-48.72	-25	23.72
QPSK 5MHz Bandwidth High Channel										
223.48	54.06	106	200	H	-49.59	0.43	-3.15	-53.17	-25	28.17
223.48	56.61	8	100	V	-50.64	0.43	-3.15	-54.22	-25	29.22
5135.00	47.81	112	100	H	-57.46	1.10	10.30	-48.26	-25	23.26
5135.00	46.29	143	150	V	-58.98	1.10	10.30	-49.78	-25	24.78
16-QAM 5MHz Bandwidth High Channel										
223.48	55.95	49	100	H	-47.70	0.43	-3.15	-51.28	-25	26.28
223.48	58.46	262	200	V	-48.79	0.43	-3.15	-52.37	-25	27.37
5135.00	46.92	138	200	H	-58.35	1.10	10.30	-49.15	-25	24.15
5135.00	47.70	18	200	V	-57.57	1.10	10.30	-48.37	-25	23.37

30 MHz ~ 27 GHz:**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										
278.18	54.85	218	100	H	-49.84	0.45	-2.19	-52.48	-25	27.48
278.18	58.98	60	150	V	-48.65	0.45	-2.19	-51.29	-25	26.29
4997.00	58.13	227	100	H	-47.90	1.08	10.30	-38.68	-25	13.68
4997.00	57.35	133	150	V	-48.68	1.08	10.30	-39.46	-25	14.46
16-QAM 5MHz Bandwidth Low Channel										
278.18	57.18	176	150	H	-47.51	0.45	-2.19	-50.15	-25	25.15
278.18	58.25	271	200	V	-49.38	0.45	-2.19	-52.02	-25	27.02
4997.00	56.63	102	200	H	-49.40	1.08	10.30	-40.18	-25	15.18
4997.00	57.37	96	150	V	-48.66	1.08	10.30	-39.44	-25	14.44
QPSK 5MHz Bandwidth Middle Channel										
278.18	55.45	348	200	H	-49.24	0.45	-2.19	-51.88	-25	26.88
278.18	57.60	134	150	V	-50.03	0.45	-2.19	-52.67	-25	27.67
5186.00	54.91	349	100	H	-50.08	1.10	10.30	-40.88	-25	15.88
5186.00	56.00	190	200	V	-48.99	1.10	10.30	-39.79	-25	14.79
16-QAM 5MHz Bandwidth Middle Channel										
278.18	54.66	136	200	H	-50.03	0.45	-2.19	-52.67	-25	27.67
278.18	58.52	157	200	V	-49.11	0.45	-2.19	-51.75	-25	26.75
5186.00	53.63	176	150	H	-51.36	1.10	10.30	-42.16	-25	17.16
5186.00	54.57	171	150	V	-50.42	1.10	10.30	-41.22	-25	16.22
QPSK 5MHz Bandwidth High Channel										
278.18	56.46	248	200	H	-48.23	0.45	-2.19	-50.87	-25	25.87
278.18	58.22	180	150	V	-49.41	0.45	-2.19	-52.05	-25	27.05
5375.00	53.89	182	150	H	-50.05	1.13	10.30	-40.88	-25	15.88
5375.00	53.10	42	150	V	-50.84	1.13	10.30	-41.67	-25	16.67
16-QAM 5MHz Bandwidth High Channel										
278.18	55.18	8	100	H	-49.51	0.45	-2.19	-52.15	-25	27.15
278.18	58.81	274	100	V	-48.82	0.45	-2.19	-51.46	-25	26.46
5375.00	51.93	287	150	H	-52.01	1.13	10.30	-42.84	-25	17.84
5375.00	52.78	88	150	V	-51.16	1.13	10.30	-41.99	-25	16.99

FREQUENCY STABILITY*EUT operation mode: Transmitting***LTE Band 2**

20.0 MHz Low Channel & High Channel (QPSK)					
Temperature	Voltage Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	1850.164	1909.966	1850	1910
-20		1850.135	1909.962	1850	1910
-10		1850.131	1909.969	1850	1910
0		1850.122	1909.971	1850	1910
10		1850.154	1909.961	1850	1910
20		1850.163	1909.957	1850	1910
30		1850.149	1909.952	1850	1910
40		1850.166	1909.956	1850	1910
50		1850.167	1909.948	1850	1910
20	L.V. 6.66	1850.176	1909.943	1850	1910
	H.V. 8.14	1850.162	1909.949	1850	1910

20.0 MHz Low Channel & High Channel (16-QAM)					
Temperature	Voltage Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	1850.126	1909.973	1850	1910
-20		1850.122	1909.969	1850	1910
-10		1850.127	1909.964	1850	1910
0		1850.134	1909.972	1850	1910
10		1850.136	1909.976	1850	1910
20		1850.142	1909.964	1850	1910
30		1850.137	1909.971	1850	1910
40		1850.132	1909.962	1850	1910
50		1850.133	1909.959	1850	1910
20	L.V. 6.66	1850.139	1909.961	1850	1910
	H.V. 8.14	1850.142	1909.965	1850	1910

LTE Band 4:

20.0 MHz Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	1710.085	1754.961	1710	1755
-20		1710.067	1754.958	1710	1755
-10		1710.077	1754.950	1710	1755
0		1710.069	1754.955	1710	1755
10		1710.072	1754.962	1710	1755
20		1710.067	1754.970	1710	1755
30		1710.072	1754.961	1710	1755
40		1710.081	1754.958	1710	1755
50		1710.071	1754.952	1710	1755
20	L.V. 6.66	1710.088	1754.956	1710	1755
	H.V. 8.14	1710.071	1754.963	1710	1755

20.0 MHz Low Channel & High Channel (16-QAM)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	1710.071	1754.971	1710	1755
-20		1710.077	1754.962	1710	1755
-10		1710.061	1754.965	1710	1755
0		1710.065	1754.973	1710	1755
10		1710.062	1754.961	1710	1755
20		1710.068	1754.966	1710	1755
30		1710.072	1754.976	1710	1755
40		1710.062	1754.971	1710	1755
50		1710.066	1754.964	1710	1755
20	L.V. 6.66	1710.064	1754.968	1710	1755
	H.V. 8.14	1710.069	1754.962	1710	1755

LTE Band 5:

10.0 MHz Middle Channel, $f_0=836.5\text{MHz}$				
Temperature	Voltage Supplied	Frequency	Frequency	Limit
(°C)	(V _{DC})	Error (Hz)	Error (ppm)	(ppm)
-30	7.4	28	0.03347	2.5
-20		25	0.02989	2.5
-10		20	0.02391	2.5
0		15	0.01793	2.5
10		17	0.02032	2.5
20		17	0.02032	2.5
30		22	0.02630	2.5
40		25	0.02989	2.5
50		23	0.02750	2.5
20	L.V. 6.66	19	0.02271	2.5
	H.V. 8.14	24	0.02869	2.5

10.0 MHz Middle Channel, $f_0=836.5\text{MHz}$				
Temperature	Voltage Supplied	Frequency	Frequency	Limit
(°C)	(V _{DC})	Error (Hz)	Error (ppm)	(ppm)
-30	7.4	28	0.03347	2.5
-20		22	0.02630	2.5
-10		19	0.02271	2.5
0		13	0.01554	2.5
10		18	0.02152	2.5
20		20	0.02391	2.5
30		24	0.02869	2.5
40		21	0.02510	2.5
50		26	0.03108	2.5
20	L.V. 6.66	17	0.02032	2.5
	H.V. 8.14	16	0.01913	2.5

LTE Band 7

20 MHz Bandwidth Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	2500.108	2569.927	2500	2570
-20		2500.112	2569.925	2500	2570
-10		2500.124	2569.931	2500	2570
0		2500.119	2596.922	2500	2570
10		2500.111	2596.926	2500	2570
20		2500.124	2596.928	2500	2570
30		2500.119	2596.922	2500	2570
40		2500.114	2596.919	2500	2570
50		2500.122	2596.915	2500	2570
20	L.V. 6.66	2500.127	2596.928	2500	2570
	H.V. 8.14	2500.122	2596.917	2500	2570

20 MHz Bandwidth Low Channel & High Channel (16-QAM)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	2500.117	2569.978	2500	2570
-20		2500.106	2569.991	2500	2570
-10		2500.112	2569.984	2500	2570
0		2500.117	2569.971	2500	2570
10		2500.121	2569.975	2500	2570
20		2500.114	2569.972	2500	2570
30		2500.126	2569.983	2500	2570
40		2500.113	2569.981	2500	2570
50		2500.116	2569.977	2500	2570
20	L.V. 6.66	2500.129	2569.982	2500	2570
	H.V. 8.14	2500.115	2569.971	2500	2570

LTE Band 12

10 MHz Bandwidth Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	699.153	715.922	699	716
-20		699.155	715.914	699	716
-10		699.145	715.928	699	716
0		699.138	715.932	699	716
10		699.143	715.924	699	716
20		699.140	715.918	699	716
30		699.152	715.926	699	716
40		699.147	715.918	699	716
50		699.142	715.937	699	716
20	L.V. 6.66	699.141	715.927	699	716
	H.V. 8.14	699.146	715.931	699	716

10 MHz Bandwidth Low Channel & High Channel (16-QAM)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	699.142	715.967	699	716
-20		699.135	715.972	699	716
-10		699.138	715.975	699	716
0		699.132	715.981	699	716
10		699.148	715.969	699	716
20		699.136	715.973	699	716
30		699.127	715.978	699	716
40		699.122	715.983	699	716
50		699.140	715.969	699	716
20	L.V. 6.66	699.137	715.972	699	716
	H.V. 8.14	699.128	715.976	699	716

LTE Band 13

5 MHz Bandwidth Middle Channel (QPSK)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	777.079	786.351	777	787
-20		777.072	786.359	777	787
-10		777.065	786.352	777	787
0		777.073	786.354	777	787
10		777.068	786.346	777	787
20		777.062	786.355	777	787
30		777.066	786.347	777	787
40		777.078	786.344	777	787
50		777.082	786.351	777	787
20	L.V. 6.66	777.071	786.342	777	787
	H.V. 8.14	777.085	786.348	777	787

5 MHz Bandwidth Middle Channel (16-QAM)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	777.129	786.661	777	787
-20		777.135	786.669	777	787
-10		777.138	786.662	777	787
0		777.122	786.675	777	787
10		777.125	786.664	777	787
20		777.134	786.672	777	787
30		777.129	786.665	777	787
40		777.124	786.671	777	787
50		777.132	786.662	777	787
20	L.V. 6.66	777.133	786.665	777	787
	H.V. 8.14	777.125	786.674	777	787

LTE Band 14

5 MHz Bandwidth Middle Channel (QPSK)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	788.149	797.982	788	798
-20		788.142	797.985	788	798
-10		788.146	797.988	788	798
0		788.145	797.975	788	798
10		788.139	797.973	788	798
20		788.135	797.981	788	798
30		788.142	797.971	788	798
40		788.137	797.982	788	798
50		788.132	797.981	788	798
20	L.V. 6.66	788.141	797.972	788	798
	H.V. 8.14	788.148	797.976	788	798

5 MHz Bandwidth Middle Channel (16-QAM)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	788.119	797.982	788	798
-20		788.115	797.975	788	798
-10		788.122	797.979	788	798
0		788.117	797.985	788	798
10		788.126	797.981	788	798
20		788.114	797.974	788	798
30		788.130	797.986	788	798
40		788.121	797.972	788	798
50		788.116	797.985	788	798
20	L.V. 6.66	788.128	797.973	788	798
	H.V. 8.14	788.123	797.977	788	798

LTE Band 17

10 MHz Bandwidth Middle Channel (QPSK)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	704.121	715.961	704	716
-20		704.115	715.966	704	716
-10		704.118	715.968	704	716
0		704.112	715.972	704	716
10		704.126	715.964	704	716
20		704.114	715.975	704	716
30		704.122	715.978	704	716
40		704.115	715.967	704	716
50		704.128	715.972	704	716
20	L.V. 6.66	704.123	715.962	704	716
	H.V. 8.14	704.116	715.963	704	716

10 MHz Bandwidth Middle Channel (16-QAM)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	704.328	715.643	704	716
-20		704.322	715.648	704	716
-10		704.332	715.642	704	716
0		704.338	715.641	704	716
10		704.331	715.638	704	716
20		704.335	715.634	704	716
30		704.326	715.635	704	716
40		704.325	715.645	704	716
50		704.324	715.642	704	716
20	L.V. 6.66	704.327	715.635	704	716
	H.V. 8.14	704.335	715.641	704	716

LTE Band 25

20.0 MHz Low Channel & High Channel (QPSK)					
Temperature	Voltage Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	1850.163	1914.981	1850	1915
-20		1850.165	1914.985	1850	1915
-10		1850.169	1914.982	1850	1915
0		1850.171	1914.975	1850	1915
10		1850.164	1914.977	1850	1915
20		1850.161	1914.981	1850	1915
30		1850.176	1914.978	1850	1915
40		1850.173	1914.983	1850	1915
50		1850.177	1914.988	1850	1915
20	L.V. 6.66	1850.168	1914.972	1850	1915
	H.V. 8.14	1850.166	1914.976	1850	1915

20.0 MHz Low Channel & High Channel (16-QAM)					
Temperature	Voltage Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	1850.166	1914.977	1850	1915
-20		1850.169	1914.972	1850	1915
-10		1850.172	1914.984	1850	1915
0		1850.176	1914.975	1850	1915
10		1850.162	1914.981	1850	1915
20		1850.177	1914.979	1850	1915
30		1850.165	1914.983	1850	1915
40		1850.174	1914.976	1850	1915
50		1850.162	1914.988	1850	1915
20	L.V. 6.66	1850.178	1914.981	1850	1915
	H.V. 8.14	1850.173	1914.976	1850	1915

LTE Band 26 Lower

10.0 MHz Low Channel, $f_0=819\text{MHz}$ (QPSK)				
Temperature	Voltage Supplied	Frequency	Frequency	Limit
(°C)	(V_{DC})	Error (Hz)	Error (ppm)	(ppm)
-30	7.4	19	0.023199	2.5
-20		15	0.018315	2.5
-10		13	0.015873	2.5
0		11	0.013431	2.5
10		15	0.018315	2.5
20		17	0.020757	2.5
30		19	0.023199	2.5
40		20	0.024420	2.5
50		22	0.026862	2.5
20	L.V. 6.66	19	0.023199	2.5
	H.V. 8.14	25	0.030525	2.5

10.0 MHz Low Channel, $f_0=819\text{MHz}$ (16-QAM)				
Temperature	Voltage Supplied	Frequency	Frequency	Limit
(°C)	(V_{DC})	Error (Hz)	Error (ppm)	(ppm)
-30	7.4	25	0.03053	2.5
-20		22	0.02686	2.5
-10		19	0.02320	2.5
0		15	0.01832	2.5
10		22	0.02686	2.5
20		26	0.03175	2.5
30		21	0.02564	2.5
40		29	0.03541	2.5
50		30	0.03663	2.5
20	L.V. 6.66	18	0.02198	2.5
	H.V. 8.14	24	0.02930	2.5

LTE Band 26 Upper

10.0 MHz Middle Channel, $f_0 = 836.5\text{MHz}$(QPSK)				
Temperature	Voltage Supplied	Frequency	Frequency	Limit
(°C)	(V_{DC})	Error (Hz)	Error (ppm)	(ppm)
-30	7.4	26	0.03108	2.5
-20		61	0.07292	2.5
-10		78	0.09325	2.5
0		26	0.03108	2.5
10		34	0.04065	2.5
20		16	0.01913	2.5
30		21	0.02510	2.5
40		46	0.05499	2.5
50		31	0.03706	2.5
20	L.V. 6.66	22	0.02630	2.5
	H.V. 8.14	16	0.01913	2.5

10.0 MHz Middle Channel, $f_0 = 836.5\text{MHz}$ (16-QAM)				
Temperature	Voltage Supplied	Frequency	Frequency	Limit
(°C)	(V_{DC})	Error (Hz)	Error (ppm)	(ppm)
-30	7.4	23	0.02750	2.5
-20		58	0.06934	2.5
-10		33	0.03945	2.5
0		52	0.06216	2.5
10		21	0.02510	2.5
20		11	0.01315	2.5
30		61	0.07292	2.5
40		21	0.02510	2.5
50		12	0.01435	2.5
20	L.V. 6.66	8	0.00956	2.5
	H.V. 8.14	26	0.03108	2.5

LTE Band 41

20 MHz Bandwidth Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	2496.116	2689.975	2496	2690
-20		2496.125	2689.972	2496	2690
-10		2496.135	2689.966	2496	2690
0		2496.142	2689.971	2496	2690
10		2496.137	2689.964	2496	2690
20		2496.134	2689.969	2496	2690
30		2496.122	2689.962	2496	2690
40		2496.134	2689.978	2496	2690
50		2496.118	2689.971	2496	2690
20	L.V. 6.66	2496.137	2689.964	2496	2690
	H.V. 8.14	2496.129	2689.961	2496	2690

20 MHz Bandwidth Low Channel & High Channel (16QAM)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	7.4	2496.119	2689.964	2496	2690
-20		2496.126	2689.972	2496	2690
-10		2496.124	2689.967	2496	2690
0		2496.115	2689.975	2496	2690
10		2496.114	2689.971	2496	2690
20		2496.121	2689.966	2496	2690
30		2496.128	2689.969	2496	2690
40		2496.117	2689.977	2496	2690
50		2496.116	2689.976	2496	2690
20	L.V. 6.66	2496.118	2689.972	2496	2690
	H.V. 8.14	2496.122	2689.968	2496	2690

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 *******