FCC PART 22/24/27/90 TEST REPORT

FCC Part 22/ Part 24/ Part 27/ Part 90

Report Reference No.....:	**LCS180124013AEC**
FCC ID.....:	**2AG6GH8956**
Date of Issue. .....:	**April 15, 2018**
Testing Laboratory Name .....:	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address .....:	1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China
Applicant's name.....:	**Hongdian Corporation**
Address .....:	14-16, Headquarters Economic Center, Zhonghaixin Science&Tech Park, Bulan Road, Longgang District, Shenzhen, China, 518112
Test specification .....**:**	
Standard .....:	**FCC CFR Title 47 Part 2, Part 22, Part 24, Part 27, Part 90** **ANSI C63.26:2015** **KDB 971168 D01**
Test Report Form No .....:	LCSEMC-1.0
TRF Originator.....:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....:	Dated 2011-03

Test item description .....:	**Cellular Wi-Fi Router**
Trade Mark .....:	宏电 Hongdian
Model/Type reference.....:	H8956
Listed Models .....:	H8956-4GSPT, H8956-4GVZW, H8956-NM, H8956-4GEU
Modulation Type .....:	QPSK, 16QAM
Rating .....:	DC 12V, 1.5A by AC/DC Adapter
Hardware version .....:	V31
Software version .....:	S703SE
Frequency.....:	FDD: Band 2, Band 4, Band 5, Band 12, Band 13, Band 25, Band 26 , Band 29 (Downlink Only), Band 30, TDD: Band 41
Result.....:	**PASS**

Compiled by:	**Supervised by:**	**Approved by:**
Aking Jin	Dick Su	Gavin Liang
Aking Jin/ File administrators	Dick Su/ Technique principal	Gavin Liang/ Manager

TEST REPORT

Test Report No. :	LCS180124013AEC	April 15, 2018 Date of issue

Equipment under Test	:	Cellular Wi-Fi Router
Model /Type	:	H8956
Listed Models	:	H8956-4GSPT, H8956-4GVZW, H8956-NM, H8956-4GEU
Applicant	:	**Hongdian Corporation**
Address	:	14-16, Headquarters Economic Center, Zhonghaixin Science&Tech Park, Bulan Road, Longgang District, Shenzhen, China, 518112
Manufacturer	:	**Hongdian Corporation**
Address	:	14-16, Headquarters Economic Center, Zhonghaixin Science&Tech Park, Bulan Road, Longgang District, Shenzhen, China, 518112
Factory	:	**Hongdian Corporation**
Address	:	14-16, Headquarters Economic Center, Zhonghaixin Science&Tech Park, Bulan Road, Longgang District, Shenzhen, China, 518112

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revison History

Revision	Issue Date	Revisions	Revised By
00	April 15, 2018	Initial Issue	Gavin Liang

Contents

1 TEST STANDARDS

The tests were performed according to following standards:
FCC Part 22: Private Land Mobile Radio Services.
FCC Part 24: Public Mobile Services.
FCC Part 27: Miscellaneous Wireless Communications Services.
FCC Part 90: Private Land Mobile Radio Services.
ANSI C63.26:2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services.
47 CFR FCC Part 15 Subpart B: Unintentional Radiators
FCC Part 2: FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS; GENERAL RULES AND REG-ULATIONS
ANSI C63.4:2014: Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
FCCKDB971168D01 Power Meas License Digital Systems

2 SUMMARY

2.1 General Remarks

Date of receipt of test sample	:	January 12, 2018
Testing commenced on	:	January 12, 2018
Testing concluded on	:	April 15, 2018

2.2 Product Description

The **Hongdian Corporation**'s Model: H8956 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

Name of EUT	Cellular Wi-Fi Router
Model Number	H8956, H8956-4GSPT, H8956-4GVZW, H8956-NM, H8956-4GEU
Model Declaration	PCB board, structure and internal of these model(s) are the same, So no additional models were tested.
Test Model	H8956
Power Supply	DC 12V, 1.5A by AC/DC Adapter
Modulation Type	QPSK for UMTS, QPSK, 16QAM for LTE
Antenna Gain	3.0dBi (max.) For all WCDMA Band; 3.0dBi (max.) For all LTE Band; 3.0dBi (max.) For WLAN
Hardware version	V31
Software version	V703SE
UMTS Operation Frequency Band	UMTS FDD Band II/IV/V
LTE Operation Frequency Band	FDD: Band 2, Band 4, Band 5, Band 12, Band 13, Band 25, Band 26, Band 29 (Downlink Only), Band 30 TDD: Band 41
WCDMA Release Version	R99
HSDPA Release Version	Release 9
HSUPA Release Version	Release 6
DC-HSUPA Release Version	Not Supported
LTE Release Version	R7
LTE/UMTS Power Class	Level 3
WLAN FCC Modulation Type	IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20: OFDM (64QAM, 16QAM, QPSK,BPSK)
WLAN FCC Operation frequency	IEEE 802.11b:2412-2462MHz IEEE 802.11g:2412-2462MHz IEEE 802.11n HT20:2412-2462MHz
Antenna Type	R-SMA Antenna
Extreme temp. Tolerance	-20°C to +60°C
Extreme vol. Limits	102VAC to 132VAC (nominal: 120 VAC)

2.3 Equipment under Test

Power supply system utilised

Power supply voltage	:	○	120V / 60 Hz	○	115V / 60Hz
		○	12 V DC	○	24 V DC
		●	Other (specified in blank below)		

DC 12.0V Adapter from AC 120V/60Hz

2.4 Short description of the Equipment under Test (EUT)

2.4.1 General Description

H8956 is subscriber equipment in the WCDMA/LTE system. The HSPA/UMTS frequency band is Band II/IV/V, LTE frequency band is Band 2, Band 4, Band 5, Band 12, Band 13, Band 25, Band 26, Band 29 (Downlink Only), Band 30, Band 41, but only WCDMA frequency Band II, Band IV and Band V test data included in this report. The Cellular Wi-Fi Router implements such functions as RF signal receiving/transmitting, HSPA/UMTS protocol processing. Externally it provides SIM card interface.

NOTE: Unless otherwise noted in the report, the functional boards installed in the units shall be selected from the below list, but not means all the functional boards listed below shall be installed in one unit.

2.5 Internal Identification of AE used during the test

AE ID*	Description
AE1	Adapter

AE1
Model: TS-A018-12001SCB
INPUT: AC100-240V 50/60Hz 0.6A
OUTPUT: DC 12.0V 1.5A

*AE ID: is used to identify the test sample in the lab internally.

2.6 Normal Accessory setting

Fully charged battery was used during the test.

2.7 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

○	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
○	Multimeter	Manufacturer :	/
		Model No. :	/

2.8 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: 2AG6GH8956** filing to comply with FCC Part 22 Rules, FCC Part 24 Rules, FCC Part 27 Rules and FCC Part 90 Rules.

2.9 Modifications

No modifications were implemented to meet testing criteria.

2.10 General Test Conditions/Configurations

2.10.1 Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Temperature	TN	Ambient
Voltage	VL	108V
	VN	120V
	VH	132V

NOTE: VL=lower extreme test voltage VN=nominal voltage
VH=upper extreme test voltage TN=normal temperature

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen LCS Compliance Testing Laboratory Ltd

1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China
The sites are constructed in conformance with the requirements of ANSI C63.4 (2014) and CISPR Publication 22.

3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC Registration Number. is 254912.
Industry Canada Registration Number. is 9642A-1.
ESMD Registration Number. is ARCB0108.
UL Registration Number. is 100571-492.
TUV SUD Registration Number. is SCN1081.
TUV RH Registration Number. is UA 50296516-001.
NVLAP Registration Code is 600167-0.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

3.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4 Test Description

3.4.1 PCS Band (1850-1915MHz paired with 1930-1995MHz) <LTE Band 2>

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §24.232	EIRP ≤ 2W	Pass
Peak-Average Ratio	§2.1046, §24.232	FCC:Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤-13dBm/1MHz, from 9 kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §24.238	≤ -13dBm/1MHz.	Pass
Frequency Stability	§2.1055, §24.235	FCC: within authorized frequency block.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”.			

3.4.2 AWS Band (1710-1755MHz paired with 2110-2155MHz) <LTE Band 4>

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) RadiatedPower OutputData	§2.1046, §27.50(d)	EIRP ≤ 1W;	Pass
Peak-Average Ratio	§2.1046, §27.50(d)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	Pass
BandEdges Compliance	§2.1051, §27.53(h)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	Pass
Radiatedspurious emission	§2.1053, §27.53(h)	≤ -13dBm/1MHz.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.4.3 CLR Band (824-849MHz paired with 869-894MHz) <LTE Band 5, LTE Band 26>

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) RadiatedPower OutputData	§2.1046, §22.913	ERP ≤ 7W;	Pass
Peak-Average Ratio	§2.1046,	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	Pass
BandEdges Compliance	§2.1051, §22.917	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917	≤ -13dBm/100KHz, from 9 kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Frequency Stability	§2.1055, §22.355	≤ ±2.5ppm.	Pass
Radiatedspurious emission	§2.1053, §22.917	≤ -13dBm/100KHz.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.4.4 LSMH Band (699-716MHz paired with 729-746MHz) <LTE Band 12>

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) RadiatedPower OutputData	§2.1046, §27.50(c)	ERP ≤ 3W;	Pass
Peak-Average Ratio	§2.1046, §27.50(c)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	Pass
BandEdges Compliance	§2.1051, §27.53(g)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	Pass
Radiatedspurious emission	§2.1053, §27.53(g)	≤ -13dBm/100KHz.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.4.5 USMH Band (777-787MHz paired with 746-756MHz) <LTE Band 13>

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) RadiatedPower OutputData	§2.1046, §27.50(b)	ERP ≤ 3W;	Pass
Peak-Average Ratio	§2.1046, §27.50(b)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	Pass
BandEdges Compliance	§2.1051, §27.53(c)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	Pass
SpuriousEmission at Antenna Terminals	§2.1051, §27.53(c)	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	Pass
Radiated spurious emission	§2.1053, §27.53(c)	≤ -13dBm/100KHz.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.4.6 EPCS Band (1850-1915MHz paired with 1930-1995MHz) <LTE Band 25>

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §24.232	EIRP ≤ 2W	Pass
Peak-Average Ratio	§2.1046, §24.232	FCC:Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤-13dBm/1MHz, from 9 kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §24.238	≤ -13dBm/1MHz.	Pass
Frequency Stability	§2.1055, §24.235	FCC: within authorized frequency block.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”.			

3.4.7 ECLR Band (814-849MHz paired with 859-894MHz) <LTE Band 26>

Test Item	FCC RuleNo.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §90.635(b)	ERP ≤ 50W;	Pass
Peak-Average Ratio	§2.1046	Limit≤13dB	Pass
ModulationCharacteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049 §90.209(b)(7)	OBW: Nolimit. EBW: Nolimit.	Pass
Band EdgesCompliance	§2.1051, §90.691	(a)(1) For any frequency removed from the EA licensee’s frequency blcok by up to and including 37.5 KHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log(f/6.1) decibels or 50 +10 Log10 (P) decibels or 80 decibels, whichever is lesser than attenutations, which f the frequency removed from the center of the outer channel in the blok in kilohertz and where f is greater than 12.5 KHz.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §90.691	(a)(2) for any frequency removed from the EA licensee’s frequency block greater than 37.5 KHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenutationm where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 KHz. (Note: use 100 KHz reference bandiwdtj)	Pass
Frequency Stability	§2.1055, §90.213	≤ ±2.5ppm.	Pass
Radiated spurious emission	§2.1053, §90.691	≤ -13dBm/100KHz.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.4.8 WCS Band (2305-2315MHz paired with 2350-2360MHz) <LTE Band 30>

Test Item	FCC RuleNo.	Requirements	Verdict
Effective (Isotropic) Radiated Power OutputData	§2.1046, §27.50(a)(3)	EIRP ≤ 250mW/5MHz;	Pass
Peak-Average Ratio	§2.1046, §27.50(a)(3)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	Pass
BandEdges Compliance	§2.1051, §27.53(a)(4)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(a)(4)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	Pass
Radiatedspurious emission	§2.1053, §27.53(a)(4)	≤ -13dBm/1MHz.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.4.9 BRS/EBS Band (2496-2690MHz paired with 2496-2690MHz) <LTE Band 41>

Test Item	FCC RuleNo.	Requirements	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)(2)	EIRP ≤ 2W;	Pass
Peak-Average Ratio	§2.1046, §27.50(d)(5)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	Pass
Band Edges Compliance	§2.1051, §27.53(m)(4)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m) (4)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	Pass
Radiated spurious emission	§2.1053, §27.53(m) (4)	≤ -13dBm/1MHz.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.5 Equipments Used during the Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2017-06-17	2018-06-16
2	Power Sensor	R&S	NRV-Z81	100458	2017-06-17	2018-06-16
3	Power Sensor	R&S	NRV-Z32	10057	2017-06-17	2018-06-16
4	X-series USB Peak and Average Power Sensor	Agilent	U2021XA	MY54080022	2017-10-26	2018-10-25
5	4 CH. Simultaneous Sampling 14 Bits 2MS/s	Agilent	U2531A	MY54080016	2017-10-26	2018-10-25
6	Test Software	Ascentest	AT890-SW	20160630	N/A	N/A
7	RF Control Unit	Ascentest	AT890-RFB	N/A	2017-06-17	2018-06-16
8	ESA-E SERIES SPECTRUM ANALYZER	Agilent	E4407B	MY41440754	2017-11-17	2018-11-16
9	MXA Signal Analyzer	Agilent	N9020A	MY49100040	2017-06-17	2018-06-16
10	SPECTRUM ANALYZER	R&S	FSP	100503	2017-06-17	2018-06-16
11	MXG Vector Signal	Agilent	N5182A	MY47071151	2017-11-17	2018-11-16
12	ESG VECTOR SIGNAL GENERATOR	Agilent	E4438C	MY42081396	2017-11-17	2018-11-16
13	PSG Analog Signal Generator	Agilent	E8257D	MY4520521	2017-11-17	2018-11-16
14	Universal Radio Communication Tester	R&S	CMU 200	105788	2017-06-17	2018-06-16
15	WIDEBAND RADIO COMMUNICATION	R&S	CMW 500	103818	2017-06-17	2018-06-16
16	RF Control Unit	Tonscend	JS0806-1	N/A	2017-06-17	2018-06-16
17	DC Power Supply	Agilent	E3642A	N/A	2017-11-17	2018-11-16
18	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
19	Temperature & Humidity Chamber	GUANGZHOU GOGNWEN	GDS-100	70932	2017-10-11	2018-10-10
20	DC Source	CHROMA	62012P-80-	34782951	2017-10-11	2018-10-10
21	RF Filter	Micro-Tronics	BRC50718	S/N-017	2017-06-17	2018-06-16
22	RF Filter	Micro-Tronics	BRC50719	S/N-011	2017-06-17	2018-06-16
23	RF Filter	Micro-Tronics	BRC50720	S/N-011	2017-06-17	2018-06-16
24	RF Filter	Micro-Tronics	BRC50721	S/N-013	2017-06-17	2018-06-16
25	RF Filter	Micro-Tronics	BRM50702	S/N-195	2017-06-17	2018-06-16
26	Splitter/Combiner	Micro-Tronics	PS2-15	CB11-20	2017-06-17	2018-06-16
27	Splitter/Combiner	Micro-Tronics	CB11-20	N/A	2017-06-17	2018-06-16
28	Attenuator	Micro-Tronics	PAS-8-10	S/N23466	2017-06-17	2018-06-16
29	Exposure Level Tester	Narda	ELT-400	N-0713	2017-04-03	2018-04-02
30	B-Field Probe	Narda	ELT-400	M-1154	2017-04-11	2018-04-10
31	3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH03-HY	2017-06-17	2018-06-16
32	Positioning Controller	MF	MF-7082	/	2017-06-17	2018-06-16
33	EMI Test Software	AUDIX	E3	N/A	2017-06-17	2018-06-16
34	EMI Test Receiver	R&S	ESR 7	101181	2017-06-17	2018-06-16
35	AMPLIFIER	QuieTek	QTK-A2525G	CHM10809065	2017-11-17	2018-11-16
36	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2017-06-23	2018-06-22
37	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2017-05-02	2018-05-01
38	Horn Antenna	EMCO	3115	6741	2017-06-23	2018-06-22
39	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2017-09-21	2018-09-20
40	Broadband Preamplifier	SCHWARZBECK	BBV 9719	9719-025	2017-09-21	2018-09-20
41	RF Cable-R03m	Jye Bao	RG142	CB021	2017-06-17	2018-06-16
42	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2017-06-17	2018-06-16
Note: All equipment is calibrated through GUANGZHOU LISAI CALIBRATION AND TEST CO.,LTD.						

3.6 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to ETSI TR 100 028 " Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics" and is documented in the Shenzhen LCS Compliance Testing Laboratory Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen LCS Compliance Testing Laboratory Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	3.10 dB	(1)
Radiated Emission	1~18GHz	3.70 dB	(1)
Radiated Emission	18-40GHz	3.90 dB	(1)
Conducted Disturbance	0.15~30MHz	1.63 dB	(1)
Conducted Power	9KHz~18GHz	0.61 dB	(1)
Spurious RF Conducted Emission	9KHz~40GHz	1.22 dB	(1)
Band Edge Compliance of RF Emission	9KHz~40GHz	1.22 dB	(1)
Occuiped Bandwidth	9KHz~40GHz	-	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4 TEST CONDITIONS AND RESULTS

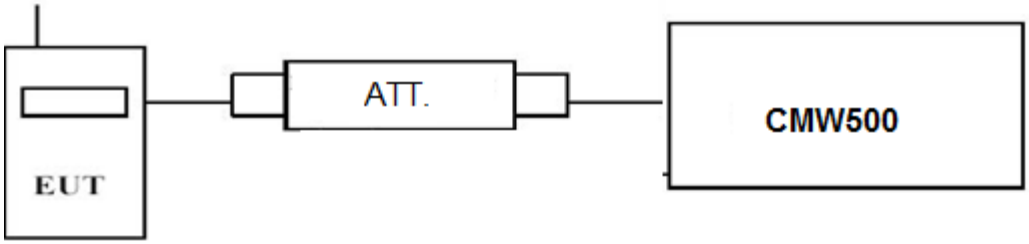
4.1 Output Power

TEST APPLICABLE

During the process of testing, the EUT was controlled via R&S Digital Radio Communication tester (CMW500) to ensure max power transmission and proper modulation. This result contains output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

4.1.1. Conducted Output Power

TEST CONFIGURATION



TEST PROCEDURE

Conducted Power Measurement:

a) Place the EUT on a bench and set it in transmitting mode.
b) Connect a low loss RF cable from the antenna port to a CMW500 by an Att.
c) EUT Communicate with CMW500 then selects a channel for testing.
d) Add a correction factor to the display CMW500, and then test.

TEST RESULTS

Remark:

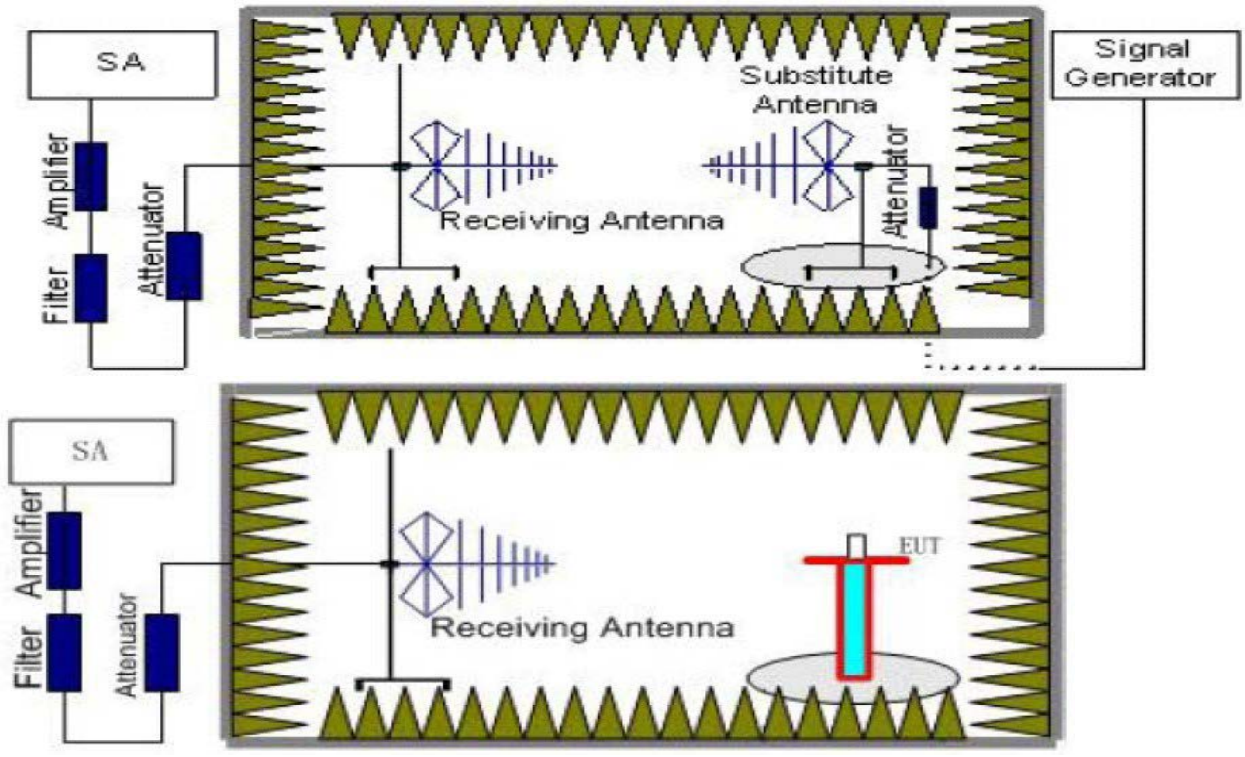
1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41;*
2. *For E-UTRA Band 2, please refer to Appendix A: Section A.1*
3. *For E-UTRA Band 4, please refer to Appendix B: Section B.1*
4. *For E-UTRA Band 5, please refer to Appendix C: Section C.1*
5. *For E-UTRA Band 12, please refer to Appendix D: Section D.1*
6. *For E-UTRA Band 13, please refer to Appendix E: Section E.1*
7. *For E-UTRA Band 25, please refer to Appendix F: Section F.1*
8. *For E-UTRA Band 26 <824 – 849 MHz>, please refer to Appendix G: Section G.1*
9. *For E-UTRA Band 26 <814 – 824 MHz>, please refer to Appendix K: Section K.1*
10. *For E-UTRA Band 30, please refer to Appendix H: Section H.1*
11. *For E-UTRA Band 41, please refer to Appendix I: Section I.1*

4.1.2. Radiated Output Power

LIMIT

This is the test for the maximum radiated power from the EUT.
Rule Part 24.232(c) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and Rule Part 24.232(e) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage." .
Per Part 27.50(d) (4) specifies, Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755MHz band are limited to 1W EIRP. Fixed stations operating in this band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in this band must employ a means for limiting power to the minimum necessary for successful communications.
Per Part 27.50 (c) (10) the following power and antenna height requirements apply to stations transmitting in the 698–746 MHz band, the portable stations (hand-held devices) are limited to 3 watts ERP.
Per Part 27.50(b) (9) specifies, Control stations and mobile stations transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands and fixed stations transmitting in the 787-788 MHz and 805-806 MHz bands are limited to 30 watts ERP.
Per Part 27.50(a) (3) specifies, *Mobile and portable stations.* (i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, *except that* for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.
Per Part 22.913(a) (5) specifies, The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.
Per Part 27.50(h) (2) specifies, The following power limits shall apply in the BRS and EBS: *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.

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.

TEST RESULTS

Radiated Measurement:

Remark:

1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41; recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41;.*
2. *EIRP=P_{Mea}(dBm)-P_{cl}(dB)+P_{Ag}(dB)+G_a(dBi)*
3. *ERP = EIRP – 2.15dBi as EIRP by subtracting the gain of the dipole.*
4. *Margin = Emission Level - Limit*
5. *We test the H direction and V direction recorded worst case*

LTE FDD Band 2_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.70	-17.81	4.03	8.38	35.51	22.05	33.01	-10.96	V
1880.00	-18.11	4.08	8.33	35.56	21.70	33.01	-11.31	V
1909.30	-19.04	4.14	8.26	35.63	20.71	33.01	-12.30	V

LTE FDD Band 2_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1851.50	-19.12	4.03	8.38	35.51	20.74	33.01	-12.27	V
1880.00	-17.41	4.08	8.33	35.56	**22.40**	33.01	-10.61	V
1908.50	-18.37	4.14	8.26	35.63	21.38	33.01	-11.63	V

LTE FDD Band 2_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.50	-17.60	4.03	8.38	35.51	22.26	33.01	-10.75	V
1880.00	-18.19	4.08	8.33	35.56	21.62	33.01	-11.39	V
1907.50	-18.71	4.14	8.26	35.63	21.04	33.01	-11.97	V

LTE FDD Band 2_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.00	-17.72	4.03	8.38	35.51	22.14	33.01	-10.87	V
1880.00	-18.72	4.08	8.33	35.56	21.09	33.01	-11.92	V
1905.00	-19.56	4.14	8.26	35.63	20.19	33.01	-12.82	V

LTE FDD Band 2_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.50	-19.48	4.03	8.38	35.51	20.38	33.01	-12.63	V
1880.00	-17.76	4.08	8.33	35.56	22.05	33.01	-10.96	V
1902.50	-19.28	4.14	8.26	35.63	20.47	33.01	-12.54	V

LTE FDD Band 2_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.00	-19.66	4.03	8.38	35.51	20.20	33.01	-12.81	V
1880.00	-18.99	4.08	8.33	35.56	20.82	33.01	-12.19	V
1900.00	-18.11	4.14	8.26	35.63	**21.64**	33.01	-11.37	V

LTE FDD Band 2_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.70	-19.22	4.03	8.38	35.51	20.64	33.01	-12.37	V
1880.00	-20.04	4.08	8.33	35.56	19.77	33.01	-13.24	V
1909.30	-18.42	4.14	8.26	35.63	21.33	33.01	-11.68	V

LTE FDD Band 2_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1851.50	-19.26	4.03	8.38	35.51	20.60	33.01	-12.41	V
1880.00	-19.78	4.08	8.33	35.56	20.03	33.01	-12.98	V
1908.50	-18.32	4.14	8.26	35.63	21.43	33.01	-11.58	V

LTE FDD Band 2_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.50	-19.28	4.03	8.38	35.51	20.58	33.01	-12.43	V
1880.00	-18.85	4.08	8.33	35.56	20.96	33.01	-12.05	V
1907.50	-20.18	4.14	8.26	35.63	19.57	33.01	-13.44	V

LTE FDD Band 2_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.00	-17.96	4.03	8.38	35.51	**21.90**	33.01	-11.11	V
1880.00	-19.10	4.08	8.33	35.56	20.71	33.01	-12.30	V
1905.00	-19.20	4.14	8.26	35.63	20.55	33.01	-12.46	V

LTE FDD Band 2_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.50	-18.59	4.03	8.38	35.51	21.27	33.01	-11.74	V
1880.00	-20.50	4.08	8.33	35.56	19.31	33.01	-13.70	V
1902.50	-20.50	4.14	8.26	35.63	19.25	33.01	-13.76	V

LTE FDD Band 2_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.00	-19.51	4.03	8.38	35.51	**20.35**	33.01	-12.66	V
1880.00	-20.67	4.08	8.33	35.56	19.14	33.01	-13.87	V
1900.00	-19.83	4.14	8.26	35.63	19.92	33.01	-13.09	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1710.70	-17.36	3.93	9.05	34.96	**22.72**	30.00	-7.28	V
1732.50	-18.33	3.93	8.89	35.01	21.64	30.00	-8.36	V
1754.30	-18.83	3.94	8.76	35.08	21.07	30.00	-8.93	V

LTE FDD Band 4_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1711.50	-18.85	3.93	9.05	34.96	21.23	30.00	-8.77	V
1732.50	-19.63	3.93	8.89	35.01	20.34	30.00	-9.66	V
1753.50	-17.19	3.94	8.76	35.08	22.71	30.00	-7.29	V

LTE FDD Band 4_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.50	-18.29	3.93	9.05	34.96	21.79	30.00	-8.21	V
1732.50	-17.91	3.93	8.89	35.01	22.06	30.00	-7.94	V
1752.50	-18.91	3.94	8.76	35.08	20.99	30.00	-9.01	V

LTE FDD Band 4_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.00	-18.04	3.93	9.05	34.96	22.04	30.00	-7.96	V
1732.50	-19.76	3.93	8.89	35.01	20.21	30.00	-9.79	V
1750.00	-18.92	3.94	8.76	35.08	20.98	30.00	-9.02	V

LTE FDD Band 4_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.50	-20.16	3.93	9.05	34.96	19.92	30.00	-10.08	V
1732.50	-19.43	3.93	8.89	35.01	20.54	30.00	-9.46	V
1747.50	-18.19	3.94	8.76	35.08	21.71	30.00	-8.29	V

LTE FDD Band 4_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.00	-19.71	3.93	9.05	34.96	20.37	30.00	-9.63	V
1732.50	-18.28	3.93	8.89	35.01	**21.69**	30.00	-8.31	V
1745.00	-19.75	3.94	8.76	35.08	20.15	30.00	-9.85	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1710.70	-18.66	3.93	9.05	34.96	**21.42**	30.00	-8.58	V
1732.50	-19.24	3.93	8.89	35.01	20.73	30.00	-9.27	V
1754.30	-19.99	3.94	8.76	35.08	19.91	30.00	-10.09	V

LTE FDD Band 4_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1711.50	-18.71	3.93	9.05	34.96	21.37	30.00	-8.63	V
1732.50	-19.33	3.93	8.89	35.01	20.64	30.00	-9.36	V
1753.50	-19.98	3.94	8.76	35.08	19.92	30.00	-10.08	V

LTE FDD Band 4_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.50	-19.27	3.93	9.05	34.96	20.81	30.00	-9.19	V
1732.50	-18.67	3.93	8.89	35.01	21.30	30.00	-8.70	V
1752.50	-19.74	3.94	8.76	35.08	20.16	30.00	-9.84	V

LTE FDD Band 4_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.00	-21.05	3.93	9.05	34.96	19.03	30.00	-10.97	V
1732.50	-19.34	3.93	8.89	35.01	20.63	30.00	-9.37	V
1750.00	-20.71	3.94	8.76	35.08	19.19	30.00	-10.81	V

LTE FDD Band 4_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.50	-19.23	3.93	9.05	34.96	20.85	30.00	-9.15	V
1732.50	-19.89	3.93	8.89	35.01	20.08	30.00	-9.92	V
1747.50	-20.74	3.94	8.76	35.08	19.16	30.00	-10.84	V

LTE FDD Band 4_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.00	-20.68	3.93	9.05	34.96	19.40	30.00	-10.60	V
1732.50	-19.19	3.93	8.89	35.01	**20.78**	30.00	-9.22	V
1745.00	-21.20	3.94	8.76	35.08	18.70	30.00	-11.30	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.70	-16.52	3.45	8.45	33.79	2.15	20.12	38.45	-18.33	V
836.50	-17.38	3.49	8.45	33.85	2.15	19.28	38.45	-19.17	V
848.30	-17.53	3.55	8.36	33.88	2.15	19.01	38.45	-19.44	V

LTE FDD Band 5_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
825.50	-17.20	3.45	8.45	33.79	2.15	19.44	38.45	-19.01	V
836.50	-17.35	3.49	8.45	33.85	2.15	19.31	38.45	-19.14	V
847.50	-17.64	3.55	8.36	33.88	2.15	18.90	38.45	-19.55	V

LTE FDD Band 5_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-17.43	3.45	8.45	33.79	2.15	19.21	38.45	-19.24	V
836.50	-16.25	3.49	8.45	33.85	2.15	**20.41**	38.45	-18.04	V
846.50	-17.43	3.55	8.36	33.88	2.15	19.11	38.45	-19.34	V

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-18.85	3.45	8.45	33.79	2.15	17.79	38.45	-20.66	V
836.50	-16.94	3.49	8.45	33.85	2.15	**19.72**	38.45	-18.73	V
844.00	-17.98	3.55	8.36	33.88	2.15	18.56	38.45	-19.89	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.70	-16.51	3.45	8.45	33.79	2.15	20.13	38.45	-18.32	V
836.50	-17.05	3.49	8.45	33.85	2.15	19.61	38.45	-18.84	V
848.30	-17.37	3.55	8.36	33.88	2.15	19.17	38.45	-19.28	V

LTE FDD Band 5_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
825.50	-16.90	3.45	8.45	33.79	2.15	19.74	38.45	-18.71	V
836.50	-17.25	3.49	8.45	33.85	2.15	19.41	38.45	-19.04	V
847.50	-17.60	3.55	8.36	33.88	2.15	18.94	38.45	-19.51	V

LTE FDD Band 5_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-17.60	3.45	8.45	33.79	2.15	19.04	38.45	-19.41	V
836.50	-16.42	3.49	8.45	33.85	2.15	**20.24**	38.45	-18.21	V
846.50	-17.40	3.55	8.36	33.88	2.15	19.14	38.45	-19.31	V

LTE FDD Band 5_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-18.60	3.45	8.45	33.79	2.15	18.04	38.45	-20.41	V
836.50	-16.99	3.49	8.45	33.85	2.15	**19.67**	38.45	-18.78	V
844.00	-18.31	3.55	8.36	33.88	2.15	18.23	38.45	-20.22	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
699.70	-16.51	3.01	8.29	33.52	2.15	20.14	34.77	-14.63	V
707.50	-17.42	3.02	8.29	33.52	2.15	19.22	34.77	-15.55	V
715.30	-16.98	3.06	8.29	33.52	2.15	19.62	34.77	-15.15	V

LTE FDD Band 12_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
700.50	-16.57	3.01	8.29	33.52	2.15	20.08	34.77	-14.69	V
707.50	-17.64	3.02	8.29	33.52	2.15	19.00	34.77	-15.77	V
714.50	-16.84	3.06	8.29	33.52	2.15	19.76	34.77	-15.01	V

LTE FDD Band 12_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
701.50	-16.43	3.01	8.29	33.52	2.15	20.22	34.77	-14.55	V
707.50	-17.87	3.02	8.29	33.52	2.15	18.77	34.77	-16.00	V
713.50	-16.72	3.06	8.29	33.52	2.15	19.88	34.77	-14.89	V

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
704.00	-16.10	3.01	8.29	33.52	2.15	**20.55**	34.77	-14.22	V
707.50	-17.85	3.02	8.29	33.52	2.15	18.79	34.77	-15.98	V
711.00	-16.85	3.06	8.29	33.52	2.15	19.75	34.77	-15.02	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
699.70	-16.24	3.01	8.29	33.52	2.15	20.41	34.77	-14.36	V
707.50	-17.87	3.02	8.29	33.52	2.15	18.77	34.77	-16.00	V
715.30	-16.81	3.06	8.29	33.52	2.15	19.79	34.77	-14.98	V

LTE FDD Band 12_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
700.50	-15.73	3.01	8.29	33.52	2.15	**20.92**	34.77	-13.85	V
707.50	-17.70	3.02	8.29	33.52	2.15	18.94	34.77	-15.83	V
714.50	-16.95	3.06	8.29	33.52	2.15	19.65	34.77	-15.12	V

LTE FDD Band 12_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
701.50	-15.91	3.01	8.29	33.52	2.15	20.74	34.77	-14.03	V
707.50	-17.57	3.02	8.29	33.52	2.15	19.07	34.77	-15.70	V
713.50	-16.80	3.06	8.29	33.52	2.15	19.80	34.77	-14.97	V

LTE FDD Band 12_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
704.00	-16.01	3.01	8.29	33.52	2.15	**20.64**	34.77	-14.13	V
707.50	-17.62	3.02	8.29	33.52	2.15	19.02	34.77	-15.75	V
711.00	-16.84	3.06	8.29	33.52	2.15	19.76	34.77	-15.01	V

LTE FDD Band 13_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
779.50	-16.80	3.12	8.33	33.52	2.15	19.78	34.77	-14.99	V
782.00	-15.27	3.12	8.33	33.52	2.15	21.31	34.77	-13.46	V
784.50	-16.58	3.12	8.33	33.52	2.15	20.00	34.77	-14.77	V

LTE FDD Band 13_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
782.00	-15.02	3.12	8.33	33.52	2.15	21.56	34.77	-13.21	V
782.00	-15.02	3.12	8.33	33.52	2.15	**21.56**	34.77	-13.21	V
782.00	-15.02	3.12	8.33	33.52	2.15	21.56	34.77	-13.21	V

LTE FDD Band 13_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
779.50	-17.00	3.12	8.33	33.52	2.15	19.58	34.77	-15.19	V
782.00	-16.20	3.12	8.33	33.52	2.15	20.38	34.77	-14.39	V
784.50	-16.55	3.12	8.33	33.52	2.15	20.03	34.77	-14.74	V

LTE FDD Band 13_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
782.00	-15.93	3.12	8.33	33.52	2.15	20.65	34.77	-14.12	V
782.00	-15.93	3.12	8.33	33.52	2.15	**20.65**	34.77	-14.12	V
782.00	-15.93	3.12	8.33	33.52	2.15	20.65	34.77	-14.12	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.70	-17.84	4.03	8.38	35.51	22.02	33.01	-10.99	V
1882.50	-18.25	4.08	8.33	35.56	21.56	33.01	-11.45	V
1914.30	-18.86	4.14	8.26	35.63	20.89	33.01	-12.12	V

LTE FDD Band 25_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1851.50	-19.11	4.03	8.38	35.51	20.75	33.01	-12.26	V
1882.50	-17.35	4.08	8.33	35.56	**22.46**	33.01	-10.55	V
1913.50	-18.33	4.14	8.26	35.63	21.42	33.01	-11.59	V

LTE FDD Band 25_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.50	-17.62	4.03	8.38	35.51	22.24	33.01	-10.77	V
1882.50	-18.06	4.08	8.33	35.56	21.75	33.01	-11.26	V
1912.50	-18.57	4.14	8.26	35.63	21.18	33.01	-11.83	V

LTE FDD Band 25_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.00	-17.91	4.03	8.38	35.51	21.95	33.01	-11.06	V
1882.50	-19.04	4.08	8.33	35.56	20.77	33.01	-12.24	V
1910.00	-19.20	4.14	8.26	35.63	20.55	33.01	-12.46	V

LTE FDD Band 25_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.50	-19.63	4.03	8.38	35.51	20.23	33.01	-12.78	V
1882.50	-17.65	4.08	8.33	35.56	22.16	33.01	-10.85	V
1907.50	-19.36	4.14	8.26	35.63	20.39	33.01	-12.62	V

LTE FDD Band 25_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.00	-19.56	4.03	8.38	35.51	20.30	33.01	-12.71	V
1882.50	-19.09	4.08	8.33	35.56	20.72	33.01	-12.29	V
1905.00	-18.25	4.14	8.26	35.63	**21.50**	33.01	-11.51	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.70	-19.41	4.03	8.38	35.51	20.45	33.01	-12.56	V
1882.50	-19.71	4.08	8.33	35.56	20.10	33.01	-12.91	V
1914.30	-18.30	4.14	8.26	35.63	21.45	33.01	-11.56	V

LTE FDD Band 25_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1851.50	-19.30	4.03	8.38	35.51	20.56	33.01	-12.45	V
1882.50	-19.74	4.08	8.33	35.56	20.07	33.01	-12.94	V
1913.50	-18.04	4.14	8.26	35.63	21.71	33.01	-11.30	V

LTE FDD Band 25_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.50	-19.48	4.03	8.38	35.51	20.38	33.01	-12.63	V
1882.50	-18.70	4.08	8.33	35.56	21.11	33.01	-11.90	V
1912.50	-19.81	4.14	8.26	35.63	19.94	33.01	-13.07	V

LTE FDD Band 25_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.00	-17.92	4.03	8.38	35.51	**21.94**	33.01	-11.07	V
1882.50	-19.14	4.08	8.33	35.56	20.67	33.01	-12.34	V
1910.00	-19.21	4.14	8.26	35.63	20.54	33.01	-12.47	V

LTE FDD Band 25_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.50	-18.71	4.03	8.38	35.51	21.15	33.01	-11.86	V
1882.50	-20.34	4.08	8.33	35.56	19.47	33.01	-13.54	V
1907.50	-20.46	4.14	8.26	35.63	19.29	33.01	-13.72	V

LTE FDD Band 25_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.00	-19.26	4.03	8.38	35.51	**20.60**	33.01	-12.41	V
1882.50	-20.68	4.08	8.33	35.56	19.13	33.01	-13.88	V
1905.00	-19.75	4.14	8.26	35.63	20.00	33.01	-13.01	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
814.70	-16.40	3.39	8.45	33.79	2.15	**20.30**	38.45	-18.15	V
819.00	-16.68	3.42	8.45	33.79	2.15	19.99	38.45	-18.46	V
823.30	-16.97	3.45	8.45	33.79	2.15	19.67	38.45	-18.78	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
815.50	-17.21	3.39	8.45	33.79	2.15	19.49	38.45	-18.96	V
819.00	-16.95	3.42	8.45	33.79	2.15	19.72	38.45	-18.73	V
822.50	-17.28	3.45	8.45	33.79	2.15	19.36	38.45	-19.09	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
816.50	-17.35	3.39	8.45	33.79	2.15	19.35	38.45	-19.10	V
819.00	-17.01	3.42	8.45	33.79	2.15	19.66	38.45	-18.79	V
821.50	-17.26	3.45	8.45	33.79	2.15	19.38	38.45	-19.07	V

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
819.00	-18.83	3.39	8.45	33.79	2.15	17.87	38.45	-20.58	V
819.00	-19.23	3.42	8.45	33.79	2.15	17.44	38.45	-21.01	V
819.00	-19.11	3.45	8.45	33.79	2.15	17.53	38.45	-20.92	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
814.70	-16.62	3.39	8.45	33.79	2.15	20.08	38.45	-18.37	V
819.00	-16.80	3.42	8.45	33.79	2.15	19.87	38.45	-18.58	V
823.30	-17.22	3.45	8.45	33.79	2.15	19.42	38.45	-19.03	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
815.50	-17.05	3.39	8.45	33.79	2.15	19.65	38.45	-18.80	V
819.00	-17.23	3.42	8.45	33.79	2.15	19.44	38.45	-19.01	V
822.50	-17.56	3.45	8.45	33.79	2.15	19.08	38.45	-19.37	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
816.50	-17.56	3.39	8.45	33.79	2.15	19.14	38.45	-19.31	V
819.00	-17.48	3.42	8.45	33.79	2.15	19.19	38.45	-19.26	V
821.50	-17.76	3.45	8.45	33.79	2.15	18.88	38.45	-19.57	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
819.00	-18.39	3.39	8.45	33.79	2.15	18.31	38.45	-20.14	V
819.00	-18.75	3.42	8.45	33.79	2.15	17.92	38.45	-20.53	V
819.00	-19.09	3.45	8.45	33.79	2.15	17.55	38.45	-20.90	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.70	-16.87	3.45	8.45	33.79	2.15	19.77	38.45	-18.68	V
836.50	-17.13	3.49	8.45	33.85	2.15	19.53	38.45	-18.92	V
848.30	-17.56	3.55	8.36	33.88	2.15	18.98	38.45	-19.47	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
825.50	-17.28	3.45	8.45	33.79	2.15	19.36	38.45	-19.09	V
836.50	-17.15	3.49	8.45	33.85	2.15	19.51	38.45	-18.94	V
847.50	-17.55	3.55	8.36	33.88	2.15	18.99	38.45	-19.46	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-16.90	3.45	8.45	33.79	2.15	19.74	38.45	-18.71	V
836.50	-16.19	3.49	8.45	33.85	2.15	**20.47**	38.45	-17.98	V
846.50	-17.59	3.55	8.36	33.88	2.15	18.95	38.45	-19.50	V

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-16.99	3.45	8.45	33.79	2.15	19.65	38.45	-18.80	V
836.50	-16.66	3.49	8.45	33.85	2.15	20.00	38.45	-18.45	V
844.00	-17.93	3.55	8.36	33.88	2.15	18.61	38.45	-19.84	V

LTE FDD Band 26_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.50	-17.63	3.45	8.45	33.79	2.15	19.01	38.45	-19.44	V
836.50	-16.82	3.49	8.45	33.85	2.15	**19.84**	38.45	-18.61	V
841.50	-18.32	3.55	8.36	33.88	2.15	18.22	38.45	-20.23	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.70	-17.25	3.45	8.45	33.79	2.15	19.39	38.45	-19.06	V
836.50	-16.82	3.49	8.45	33.85	2.15	19.84	38.45	-18.61	V
848.30	-18.32	3.55	8.36	33.88	2.15	18.22	38.45	-20.23	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
825.50	-17.65	3.45	8.45	33.79	2.15	18.99	38.45	-19.46	V
836.50	-17.14	3.49	8.45	33.85	2.15	19.52	38.45	-18.93	V
847.50	-17.38	3.55	8.36	33.88	2.15	19.16	38.45	-19.29	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-17.47	3.45	8.45	33.79	2.15	19.17	38.45	-19.28	V
836.50	-16.27	3.49	8.45	33.85	2.15	**20.39**	38.45	-18.06	V
846.50	-17.55	3.55	8.36	33.88	2.15	18.99	38.45	-19.46	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-17.09	3.45	8.45	33.79	2.15	19.55	38.45	-18.90	V
836.50	-16.77	3.49	8.45	33.85	2.15	19.89	38.45	-18.56	V
844.00	-18.20	3.55	8.36	33.88	2.15	18.34	38.45	-20.11	V

LTE FDD Band 26_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.50	-17.76	3.45	8.45	33.79	2.15	18.88	38.45	-19.57	V
836.50	-16.67	3.49	8.45	33.85	2.15	**19.99**	38.45	-18.46	V
841.50	-17.87	3.55	8.36	33.88	2.15	18.67	38.45	-19.78	V

LTE FDD Band 30_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2307.50	-18.03	4.11	6.88	36.02	20.76	23.98	-3.22	V
2310.00	-17.27	4.11	6.88	36.02	**21.52**	23.98	-2.46	V
2312.50	-18.74	4.11	6.88	36.02	20.05	23.98	-3.93	V

LTE FDD Band 30_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2310.00	-17.92	4.32	6.88	36.02	20.66	23.98	-3.32	V
2310.00	-17.92	4.32	6.88	36.02	**20.66**	23.98	-3.32	V
2310.00	-17.91	4.33	6.88	36.02	20.66	23.98	-3.32	V

LTE FDD Band 30_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2307.50	-19.36	4.11	6.88	36.02	19.43	23.98	-4.55	V
2310.00	-18.49	4.11	6.88	36.02	**20.30**	23.98	-3.68	V
2312.50	-19.51	4.11	6.88	36.02	19.28	23.98	-4.70	V

LTE FDD Band 30_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2310.00	-18.91	4.32	6.88	36.02	**19.67**	23.98	-4.31	V
2310.00	-18.91	4.32	6.88	36.02	19.67	23.98	-4.31	V
2310.00	-18.90	4.33	6.88	36.02	19.67	23.98	-4.31	V

LTE TDD Band 41_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2498.50	-16.43	4.32	6.80	36.13	22.18	30.00	-7.82	V
2593.00	-17.12	4.36	6.55	36.26	21.33	30.00	-8.67	V
2687.50	-16.02	4.51	6.37	36.54	22.38	30.00	-7.62	V

LTE TDD Band 41_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2501.00	-16.36	4.32	6.80	36.13	22.25	30.00	-7.75	V
2593.00	-17.19	4.36	6.55	36.26	21.26	30.00	-8.74	V
2685.00	-15.87	4.51	6.37	36.54	22.53	30.00	-7.47	V

LTE TDD Band 41_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2503.50	-16.21	4.32	6.80	36.13	22.40	30.00	-7.60	V
2593.00	-16.87	4.36	6.55	36.26	21.58	30.00	-8.42	V
2682.50	-15.85	4.51	6.37	36.54	**22.55**	30.00	-7.45	V

LTE TDD Band 41_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2506.00	-16.18	4.32	6.80	36.13	22.43	30.00	-7.57	V
2593.00	-17.05	4.36	6.55	36.26	21.40	30.00	-8.60	V
2680.00	-15.88	4.51	6.37	36.54	**22.52**	30.00	-7.48	V

LTE TDD Band 41_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2498.50	-16.39	4.32	6.80	36.13	22.22	30.00	-7.78	V
2593.00	-17.03	4.36	6.55	36.26	21.42	30.00	-8.58	V
2687.50	-15.99	4.51	6.37	36.54	22.41	30.00	-7.59	V

LTE TDD Band 41_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2501.00	-16.34	4.32	6.80	36.13	22.27	30.00	-7.73	V
2593.00	-16.90	4.36	6.55	36.26	21.55	30.00	-8.45	V
2685.00	-15.77	4.51	6.37	36.54	22.63	30.00	-7.37	V

LTE TDD Band 41_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2503.50	-16.14	4.32	6.80	36.13	22.47	30.00	-7.53	V
2593.00	-16.97	4.36	6.55	36.26	21.48	30.00	-8.52	V
2682.50	-15.74	4.51	6.37	36.54	22.66	30.00	-7.34	V

LTE TDD Band 41_Channel Bandwidth 20MHz_16QAM

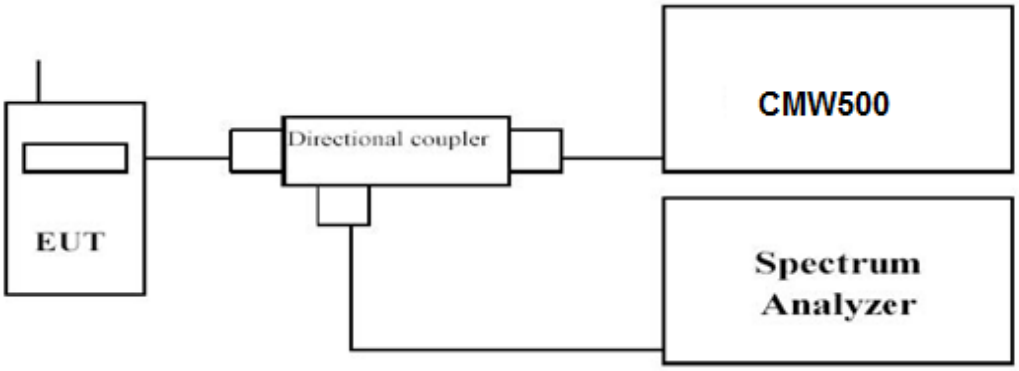
Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2506.00	-16.19	4.32	6.80	36.13	22.42	30.00	-7.58	V
2593.00	-16.91	4.36	6.55	36.26	21.54	30.00	-8.46	V
2680.00	-15.72	4.51	6.37	36.54	**22.68**	30.00	-7.32	V

4.2 Peak-to-Average Ratio (PAR)

LIMIT

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

TEST CONFIGURATION



TEST PROCEDURE

1. Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
2. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
3. Set the number of counts to a value that stabilizes the measured CCDF curve;
4. Set the measurement interval as follows:
   1). for continuous transmissions, set to 1 ms,
   2). for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
5. Record the maximum PAPR level associated with a probability of 0.1%.

TEST RESULTS

Remark:

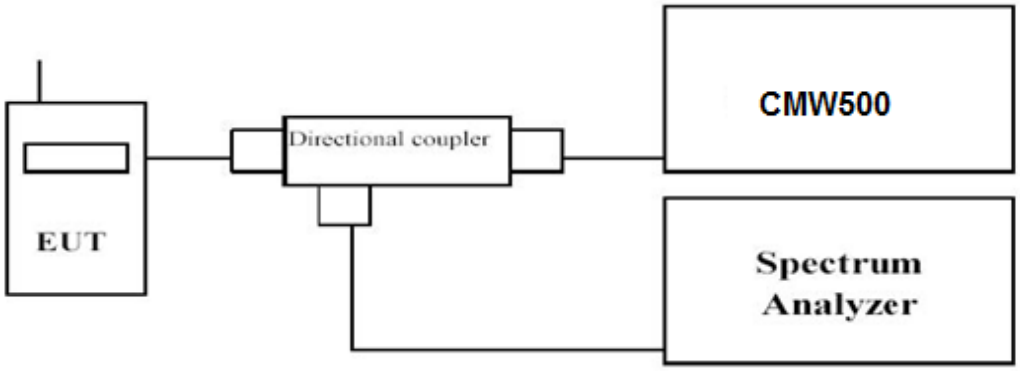
1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41;*
2. *For E-UTRA Band 2, please refer to Appendix A: Section A.2*
3. *For E-UTRA Band 4, please refer to Appendix B: Section B.2*
4. *For E-UTRA Band 5, please refer to Appendix C: Section C.2*
5. *For E-UTRA Band 12, please refer to Appendix D: Section D.2*
6. *For E-UTRA Band 13, please refer to Appendix E: Section E.2*
7. *For E-UTRA Band 25, please refer to Appendix F: Section F.2*
8. *For E-UTRA Band 26 <824 – 849 MHz>, please refer to Appendix G: Section G.2*
9. *For E-UTRA Band 26 <814 – 824 MHz>, please refer to Appendix K: Section K.2*
10. *For E-UTRA Band 30, please refer to Appendix H: Section H.2*
11. *For E-UTRA Band 41, please refer to Appendix I: Section I.2*

4.3 Occupied Bandwidth and Emission Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at low, middle and high channel in each band. The -26dBc Emission bandwidth was also measured and recorded. Set RBW was set to about 1% of emission BW, VBW≥3 times RBW.
-26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

TEST RESULTS

Remark:

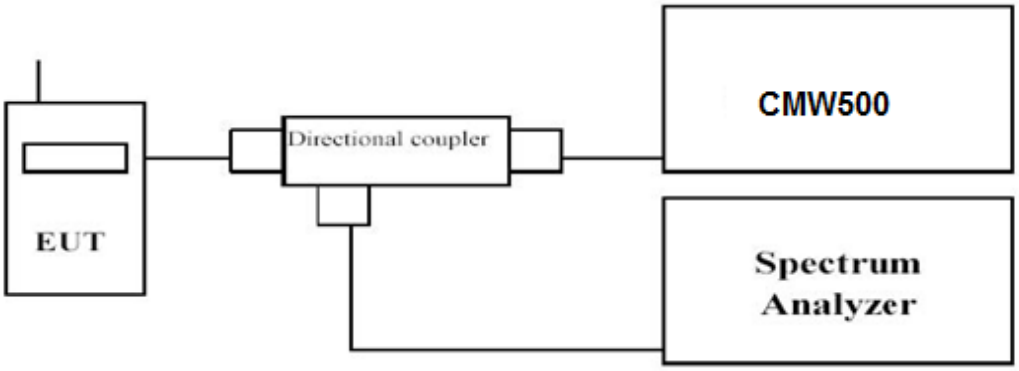
1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41;*
2. *For E-UTRA Band 2, please refer to Appendix A: Section A.3*
3. *For E-UTRA Band 4, please refer to Appendix B: Section B.3*
4. *For E-UTRA Band 5, please refer to Appendix C: Section C.3*
5. *For E-UTRA Band 12, please refer to Appendix D: Section D.3*
6. *For E-UTRA Band 13, please refer to Appendix E: Section E.3*
7. *For E-UTRA Band 25, please refer to Appendix F: Section F.3*
8. *For E-UTRA Band 26 <824 – 849 MHz>, please refer to Appendix G: Section G.3*
9. *For E-UTRA Band 26 <814 – 824 MHz>, please refer to Appendix K: Section K.3*
10. *For E-UTRA Band 30, please refer to Appendix H: Section H.3*
11. *For E-UTRA Band 41, please refer to Appendix I: Section I.3*

4.4 Band Edge compliance

LIMIT

For LTE FDD Band 2: Per FCC §24.238 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 + 10log(P) dB.
For LTE FDD Band 4 and Band 25: Per §27.53 (h): For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.
For LTE FDD Band 5 and Band 26: Per §22.917 (a): For operations in the 814–849 MHz band, 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.
For LTE FDD Band 12: Per §27.53 (g): For operations in 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.
For LTE FDD Band 13: Per §27.53 (c): For operations in 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: 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;
For LTE FDD Band 30: Per §27.53 (a): For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts: For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands: By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz;
For LTE TDD Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box.
For LTE Band 26 <814 – 824 MHz>, Per §90.961 (a)(1) For any frequency removed from the EA licensee's frequency blcok by up to and including 37.5 KHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log(f/6.1) decibels or 50 +10 Log10 (P) decibels or 80 decibels, whichever is lesser than attenutations, which f the frequency removed from the center of the outer channel in the blok in kilohertz and where f is greater than 12.5 KHz.
Per §90.961 (a)(2) for any frequency removed from the EA licensee's frequency block greater than 37.5 KHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenutationm where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 KHz. (Note: use 100 KHz reference bandiwdtj)

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output port was connected to base station.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement.
3. Set EUT at maximum power through base station.
4. Select lowest and highest channels for each band and different modulation.
5. Measure Band edge using RMS (Average) detector by spectrum

TEST RESULTS

Remark:

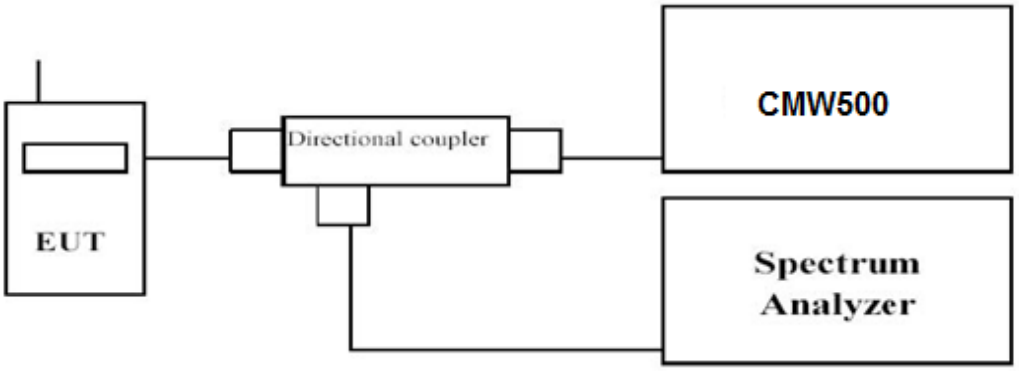
1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41;*
2. *For E-UTRA Band 2, please refer to Appendix A: Section A.4*
3. *For E-UTRA Band 4, please refer to Appendix B: Section B.4*
4. *For E-UTRA Band 5, please refer to Appendix C: Section C.4*
5. *For E-UTRA Band 12, please refer to Appendix D: Section D.4*
6. *For E-UTRA Band 13, please refer to Appendix E: Section E.4*
7. *For E-UTRA Band 25, please refer to Appendix F: Section F.4*
8. *For E-UTRA Band 26 <824 – 849 MHz>, please refer to Appendix G: Section G.4*
9. *For E-UTRA Band 26 <814 – 824 MHz>, please refer to Appendix K: Section K.4*
10. *For E-UTRA Band 30, please refer to Appendix H: Section H.4*
11. *For E-UTRA Band 41, please refer to Appendix I: Section I.4*

4.5 Spurious Emssion on Antenna Port

LIMIT

For LTE FDD Band 2: Per FCC §24.238 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 + 10log(P) dB.
For LTE FDD Band 4 and Band 25: Per §27.53 (h): For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.
For LTE FDD Band 5 and Band 26: Per §22.917 (a): For operations in the 814–849 MHz band, 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.
For LTE FDD Band 12: Per §27.53 (g): For operations in 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.
For LTE FDD Band 13: Per §27.53 (c): For operations in 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: 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;
For LTE FDD Band 30: Per §27.53 (a): For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts: For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands: By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz;
For LTE TDD Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box.
For LTE Band 26 <814 – 824 MHz>, Per §90.961 (a)(1) For any frequency removed from the EA licensee's frequency blcok by up to and including 37.5 KHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log(f/6.1) decibels or 50 +10 Log10 (P) decibels or 80 decibels, whichever is lesser than attenutations, which f the frequency removed from the center of the outer channel in the blok in kilohertz and where f is greater than 12.5 KHz.
Per §90.961 (a)(2) for any frequency removed from the EA licensee's frequency block greater than 37.5 KHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenutationm where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 KHz. (Note: use 100 KHz reference bandiwdtj)

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to ANSI C63.26

a. Place the EUT on a bench and set it in transmitting mode.
b. Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW500 by a Directional Couple.
c. EUT Communicate with CMW500, then select a channel for testing.
d. Add a correction factor to the display of spectrum, and then test.
e. The resolution bandwidth of the spectrum analyzer was set sufficient scans were taken to show the out of band Emission if any up to10th harmonic.
f. Please refer to following tables for test antenna conducted emissions.

Working Frequency	Sub range (GHz)	RBW	VBW	Sweep time (s)
LTE FDD Band 2	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 4	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 5	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 12	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 13	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 25	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 26	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 30	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE TDD Band 41	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto

TEST RESULTS

Remark:

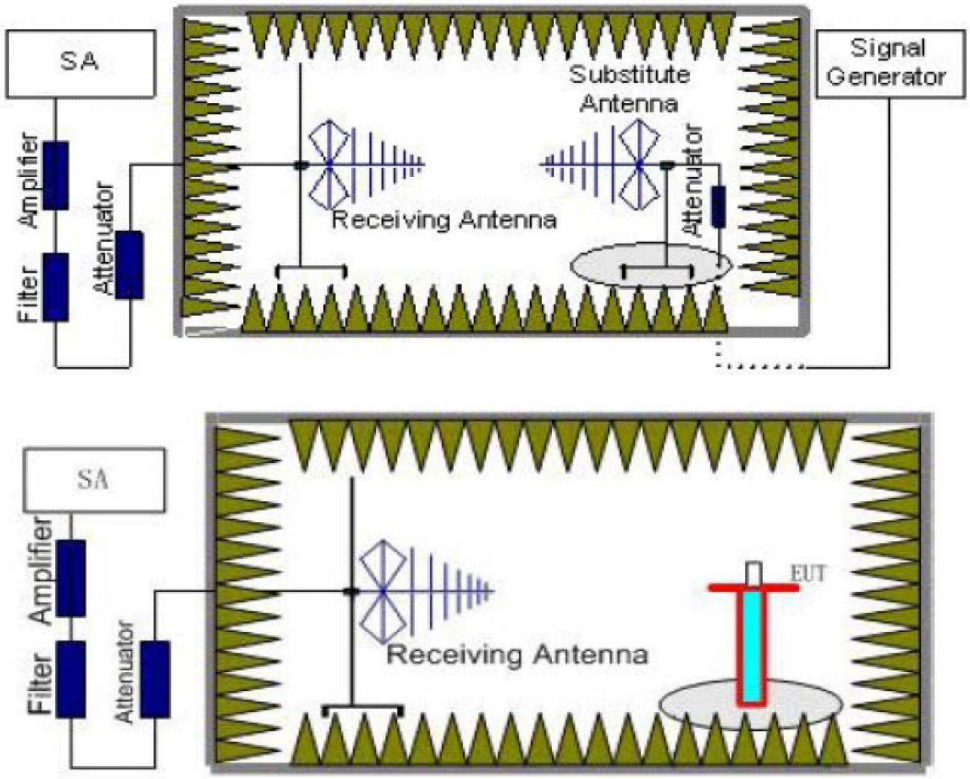
1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41;*
2. *For E-UTRA Band 2, please refer to Appendix A: Section A.5*
3. *For E-UTRA Band 4, please refer to Appendix B: Section B.5*
4. *For E-UTRA Band 5, please refer to Appendix C: Section C.5*
5. *For E-UTRA Band 12, please refer to Appendix D: Section D.6*
6. *For E-UTRA Band 13, please refer to Appendix E: Section E.6*
7. *For E-UTRA Band 25, please refer to Appendix F: Section F.6*
8. *For E-UTRA Band 26 <824 – 849 MHz>, please refer to Appendix G: Section G.6*
9. *For E-UTRA Band 26 <814 – 824 MHz>, please refer to Appendix K: Section K.6*
10. *For E-UTRA Band 30, please refer to Appendix H: Section H.6*
11. *For E-UTRA Band 41, please refer to Appendix I: Section I.6*

4.6 Radiated Spurious Emssion

LIMIT

For LTE FDD Band 2: Per FCC §24.238 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 + 10log(P) dB.
For LTE FDD Band 4 and Band 25: Per §27.53 (h): For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.
For LTE FDD Band 5 and Band 26: Per §22.917 (a): For operations in the 814–849 MHz band, 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.
For LTE FDD Band 12: Per §27.53 (g): For operations in 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.
For LTE FDD Band 13: Per §27.53 (c): For operations in 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: 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;
For LTE FDD Band 30: Per §27.53 (a): For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts: For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands: By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz;
For LTE TDD Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box.
For LTE Band 26 <814 – 824 MHz>, Per §90.961 (a)(1) For any frequency removed from the EA licensee's frequency blcok by up to and including 37.5 KHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log(f/6.1) decibels or 50 +10 Log10 (P) decibels or 80 decibels, whichever is lesser than attenutations, which f the frequency removed from the center of the outer channel in the blok in kilohertz and where f is greater than 12.5 KHz.
Per §90.961 (a)(2) for any frequency removed from the EA licensee's frequency block greater than 37.5 KHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenutationm where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 KHz. (Note: use 100 KHz reference bandiwdtj)

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.
8. In order to make sure test results more clearly,we set frequency range and sweep time for difference frequency range as follows table:

Working Frequency	Subrange (GHz)	RBW	VBW	Sweep time (s)
LTE FDD Band 2	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
LTE FDD Band 4	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
LTE FDD Band 5	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
LTE FDD Band 12	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
LTE FDD Band 13	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
LTE FDD Band 25	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
LTE FDD Band 26	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3

LTE FDD Band 30	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
	20~26	1 MHz	3 MHz	2
LTE TDD Band 41	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
	20~26.5	1 MHz	3 MHz	2

TEST LIMITS

According to rules specify 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. The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

Frequency	Channel	Frequency Range	Verdict
LTE FDD Band 2	Low	9 KHz – 20 GHz	PASS
	Middle	9 KHz – 20 GHz	PASS
	High	9 KHz – 20 GHz	PASS
LTE FDD Band 4	Low	9 KHz – 18 GHz	PASS
	Middle	9 KHz – 18 GHz	PASS
	High	9 KHz – 19 GHz	PASS
LTE FDD Band 5	Low	9 KHz – 8 GHz	PASS
	Middle	9 KHz – 8 GHz	PASS
	High	9 KHz – 8 GHz	PASS
LTE FDD Band 12	Low	9 KHz – 8 GHz	PASS
	Middle	9 KHz – 8 GHz	PASS
	High	9 KHz – 8 GHz	PASS
LTE FDD Band 13	Low	9 KHz – 8 GHz	PASS
	Middle	9 KHz – 8 GHz	PASS
	High	9 KHz – 8 GHz	PASS
LTE FDD Band 25	Low	9 KHz – 20 GHz	PASS
	Middle	9 KHz – 20 GHz	PASS
	High	9 KHz – 20 GHz	PASS
LTE FDD Band 26	Low	9 KHz – 8 GHz	PASS
	Middle	9 KHz – 8 GHz	PASS
	High	9 KHz – 8 GHz	PASS
LTE FDD Band 30	Low	9 KHz – 26 GHz	PASS
	Middle	9 KHz – 26 GHz	PASS
	High	9 KHz – 26 GHz	PASS
LTE TDD Band 41	Low	9 KHz – 26.5 GHz	PASS
	Middle	9 KHz – 26.5 GHz	PASS
	High	9 KHz – 26.5 GHz	PASS

TEST RESULTS

Remark:

1. *We tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41;*
2. *EIRP=P_{Mea}(dBm)-P_{cl}(dB) +G_a(dBi)*
3. *We were not recorded other points as values lower than limits.*
4. *Margin = EIRP - Limit*

LTE FDD Band 2_Channel Bandwidth 1.4MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3701.40	-42.02	5.26	3.00	9.88	-37.40	-13.00	-24.40	H
5552.10	-49.37	6.11	3.00	11.36	-44.12	-13.00	-31.12	H
3701.40	-45.76	5.26	3.00	9.88	-41.14	-13.00	-28.14	V
5552.10	-50.44	6.11	3.00	11.36	-45.19	-13.00	-32.19	V

LTE FDD Band 2_Channel Bandwidth 1.4MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-40.07	5.32	3.00	10.03	-35.36	-13.00	-22.36	H
5640.00	-44.87	6.19	3.00	11.41	-39.65	-13.00	-26.65	H
3760.00	-42.97	5.32	3.00	10.03	-38.26	-13.00	-25.26	V
5640.00	-48.87	6.19	3.00	11.41	-43.65	-13.00	-30.65	V

LTE FDD Band 2_Channel Bandwidth 1.4MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3806.60	-40.13	5.36	3.00	9.62	-35.87	-13.00	-22.87	H
5709.90	-45.81	6.24	3.00	11.46	-40.59	-13.00	-27.59	H
3806.60	-43.40	5.36	3.00	9.62	-39.14	-13.00	-26.14	V
5709.90	-50.47	6.24	3.00	11.46	-45.25	-13.00	-32.25	V

LTE FDD Band 2_Channel Bandwidth 3MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3703.00	-42.51	5.26	3.00	9.88	-37.89	-13.00	-24.89	H
5554.50	-47.40	6.11	3.00	11.36	-42.15	-13.00	-29.15	H
3703.00	-44.78	5.26	3.00	9.88	-40.16	-13.00	-27.16	V
5554.50	-49.90	6.11	3.00	11.36	-44.65	-13.00	-31.65	V

LTE FDD Band 2_Channel Bandwidth 3MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-40.30	5.32	3.00	10.03	-35.59	-13.00	-22.59	H
5640.00	-44.93	6.19	3.00	11.41	-39.71	-13.00	-26.71	H
3760.00	-44.63	5.32	3.00	10.03	-39.92	-13.00	-26.92	V
5640.00	-47.96	6.19	3.00	11.41	-42.74	-13.00	-29.74	V

LTE FDD Band 2_Channel Bandwidth 3MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3817.00	-41.26	5.36	3.00	9.62	-37.00	-13.00	-24.00	H
5725.50	-45.52	6.24	3.00	11.46	-40.30	-13.00	-27.30	H
3817.00	-46.35	5.36	3.00	9.62	-42.09	-13.00	-29.09	V
5725.50	-50.12	6.24	3.00	11.46	-44.90	-13.00	-31.90	V

LTE FDD Band 2_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705.00	-41.32	5.26	3.00	9.88	-36.70	-13.00	-23.70	H
5557.50	-47.25	6.11	3.00	11.36	-42.00	-13.00	-29.00	H
3705.00	-43.97	5.26	3.00	9.88	-39.35	-13.00	-26.35	V
5557.50	-50.38	6.11	3.00	11.36	-45.13	-13.00	-32.13	V

LTE FDD Band 2_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-40.14	5.32	3.00	10.03	-35.43	-13.00	-22.43	H
5640.00	-44.25	6.19	3.00	11.41	-39.03	-13.00	-26.03	H
3760.00	-44.37	5.32	3.00	10.03	-39.66	-13.00	-26.66	V
5640.00	-47.62	6.19	3.00	11.41	-42.40	-13.00	-29.40	V

LTE FDD Band 2_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3815.00	-39.47	5.36	3.00	9.62	-35.21	-13.00	-22.21	H
5722.50	-44.25	6.24	3.00	11.46	-39.03	-13.00	-26.03	H
3815.00	-45.21	5.36	3.00	9.62	-40.95	-13.00	-27.95	V
5722.50	-49.97	6.24	3.00	11.46	-44.75	-13.00	-31.75	V

LTE FDD Band 2_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.00	-40.91	5.26	3.00	9.88	-36.29	-13.00	-23.29	H
5565.00	-46.35	6.11	3.00	11.36	-41.10	-13.00	-28.10	H
3710.00	-44.34	5.26	3.00	9.88	-39.72	-13.00	-26.72	V
5565.00	-49.54	6.11	3.00	11.36	-44.29	-13.00	-31.29	V

LTE FDD Band 2_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-40.16	5.32	3.00	10.03	-35.45	-13.00	-22.45	H
5640.00	-47.19	6.19	3.00	11.41	-41.97	-13.00	-28.97	H
3760.00	-43.44	5.32	3.00	10.03	-38.73	-13.00	-25.73	V
5640.00	-47.57	6.19	3.00	11.41	-42.35	-13.00	-29.35	V

LTE FDD Band 2_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3810.00	-41.05	5.36	3.00	9.62	-36.79	-13.00	-23.79	H
5715.00	-47.00	6.24	3.00	11.46	-41.78	-13.00	-28.78	H
3810.00	-43.77	5.36	3.00	9.62	-39.51	-13.00	-26.51	V
5715.00	-49.51	6.24	3.00	11.46	-44.29	-13.00	-31.29	V

LTE FDD Band 2_Channel Bandwidth 15MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.00	-41.92	5.26	3.00	9.88	-37.30	-13.00	-24.30	H
5572.50	-46.73	6.11	3.00	11.36	-41.48	-13.00	-28.48	H
3715.00	-42.66	5.26	3.00	9.88	-38.04	-13.00	-25.04	V
5572.50	-49.66	6.11	3.00	11.36	-44.41	-13.00	-31.41	V

LTE FDD Band 2_Channel Bandwidth 15MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-40.10	5.32	3.00	10.03	-35.39	-13.00	-22.39	H
5640.00	-45.57	6.19	3.00	11.41	-40.35	-13.00	-27.35	H
3760.00	-43.88	5.32	3.00	10.03	-39.17	-13.00	-26.17	V
5640.00	-47.55	6.19	3.00	11.41	-42.33	-13.00	-29.33	V

LTE FDD Band 2_Channel Bandwidth 15MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3805.00	-41.07	5.36	3.00	9.62	-36.81	-13.00	-23.81	H
5707.50	-47.05	6.24	3.00	11.46	-41.83	-13.00	-28.83	H
3805.00	-44.28	5.36	3.00	9.62	-40.02	-13.00	-27.02	V
5707.50	-48.67	6.24	3.00	11.46	-43.45	-13.00	-30.45	V

LTE FDD Band 2_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.00	-40.25	5.26	3.00	9.88	-35.63	-13.00	-22.63	H
5572.50	-45.57	6.11	3.00	11.36	-40.32	-13.00	-27.32	H
3715.00	-42.28	5.26	3.00	9.88	-37.66	-13.00	-24.66	V
5572.50	-47.62	6.11	3.00	11.36	-42.37	-13.00	-29.37	V

LTE FDD Band 2_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3720.00	-40.32	5.32	3.00	10.03	-35.61	-13.00	-22.61	H
5580.00	-45.19	6.19	3.00	11.41	-39.97	-13.00	-26.97	H
3720.00	-43.79	5.32	3.00	10.03	-39.08	-13.00	-26.08	V
5580.00	-47.60	6.19	3.00	11.41	-42.38	-13.00	-29.38	V

LTE FDD Band 2_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3800.00	-42.14	5.36	3.00	9.62	-37.88	-13.00	-24.88	H
5700.00	-45.30	6.24	3.00	11.46	-40.08	-13.00	-27.08	H
3800.00	-42.87	5.36	3.00	9.62	-38.61	-13.00	-25.61	V
5700.00	-47.78	6.24	3.00	11.46	-42.56	-13.00	-29.56	V

LTE FDD Band 2_Channel Bandwidth 1.4MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3701.40	-47.57	5.26	3.00	9.88	-42.95	-13.00	-29.95	H
5552.10	-50.45	6.11	3.00	11.36	-45.20	-13.00	-32.20	H
3701.40	-48.50	5.26	3.00	9.88	-43.88	-13.00	-30.88	V
5552.10	-52.64	6.11	3.00	11.36	-47.39	-13.00	-34.39	V

LTE FDD Band 2_Channel Bandwidth 1.4MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-40.14	5.32	3.00	10.03	-35.43	-13.00	-22.43	H
5640.00	-45.24	6.19	3.00	11.41	-40.02	-13.00	-27.02	H
3760.00	-43.77	5.32	3.00	10.03	-39.06	-13.00	-26.06	V
5640.00	-47.46	6.19	3.00	11.41	-42.24	-13.00	-29.24	V

LTE FDD Band 2_Channel Bandwidth 1.4MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3806.60	-47.72	5.36	3.00	9.62	-43.46	-13.00	-30.46	H
5709.90	-49.60	6.24	3.00	11.46	-44.38	-13.00	-31.38	H
3806.60	-51.13	5.36	3.00	9.62	-46.87	-13.00	-33.87	V
5709.90	-54.88	6.24	3.00	11.46	-49.66	-13.00	-36.66	V

LTE FDD Band 2_Channel Bandwidth 3MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3703.00	-45.64	5.26	3.00	9.88	-41.02	-13.00	-28.02	H
5554.50	-48.64	6.11	3.00	11.36	-43.39	-13.00	-30.39	H
3703.00	-47.82	5.26	3.00	9.88	-43.20	-13.00	-30.20	V
5554.50	-51.73	6.11	3.00	11.36	-46.48	-13.00	-33.48	V

LTE FDD Band 2_Channel Bandwidth 3MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-44.27	5.32	3.00	10.03	-39.56	-13.00	-26.56	H
5640.00	-48.38	6.19	3.00	11.41	-43.16	-13.00	-30.16	H
3760.00	-47.20	5.32	3.00	10.03	-42.49	-13.00	-29.49	V
5640.00	-49.08	6.19	3.00	11.41	-43.86	-13.00	-30.86	V

LTE FDD Band 2_Channel Bandwidth 3MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3817.00	-45.20	5.36	3.00	9.62	-40.94	-13.00	-27.94	H
5725.50	-47.92	6.24	3.00	11.46	-42.70	-13.00	-29.70	H
3817.00	-45.50	5.36	3.00	9.62	-41.24	-13.00	-28.24	V
5725.50	-51.67	6.24	3.00	11.46	-46.45	-13.00	-33.45	V

LTE FDD Band 2_Channel Bandwidth 5MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705.00	-44.90	5.26	3.00	9.88	-40.28	-13.00	-27.28	H
5557.50	-49.39	6.11	3.00	11.36	-44.14	-13.00	-31.14	H
3705.00	-48.36	5.26	3.00	9.88	-43.74	-13.00	-30.74	V
5557.50	-51.50	6.11	3.00	11.36	-46.25	-13.00	-33.25	V

LTE FDD Band 2_Channel Bandwidth 5MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-45.58	5.32	3.00	10.03	-40.87	-13.00	-27.87	H
5640.00	-47.48	6.19	3.00	11.41	-42.26	-13.00	-29.26	H
3760.00	-48.06	5.32	3.00	10.03	-43.35	-13.00	-30.35	V
5640.00	-49.97	6.19	3.00	11.41	-44.75	-13.00	-31.75	V

LTE FDD Band 2_Channel Bandwidth 5MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3815.00	-43.59	5.36	3.00	9.62	-39.33	-13.00	-26.33	H
5722.50	-48.49	6.24	3.00	11.46	-43.27	-13.00	-30.27	H
3815.00	-46.43	5.36	3.00	9.62	-42.17	-13.00	-29.17	V
5722.50	-50.88	6.24	3.00	11.46	-45.66	-13.00	-32.66	V

LTE FDD Band 2_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.00	-44.15	5.36	3.00	9.62	-39.89	-13.00	-26.89	H
5565.00	-49.62	6.24	3.00	11.46	-44.40	-13.00	-31.40	H
3710.00	-47.82	5.36	3.00	9.62	-43.56	-13.00	-30.56	V
5565.00	-50.69	6.24	3.00	11.46	-45.47	-13.00	-32.47	V

LTE FDD Band 2_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-45.53	5.26	3.00	9.88	-40.91	-13.00	-27.91	H
5640.00	-47.77	6.11	3.00	11.36	-42.52	-13.00	-29.52	H
3760.00	-47.82	5.26	3.00	9.88	-43.20	-13.00	-30.20	V
5640.00	-49.38	6.11	3.00	11.36	-44.13	-13.00	-31.13	V

LTE FDD Band 2_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3810.00	-44.63	5.32	3.00	10.03	-39.92	-13.00	-26.92	H
5715.00	-48.14	6.19	3.00	11.41	-42.92	-13.00	-29.92	H
3810.00	-47.05	5.32	3.00	10.03	-42.34	-13.00	-29.34	V
5715.00	-49.01	6.19	3.00	11.41	-43.79	-13.00	-30.79	V

LTE FDD Band 2_Channel Bandwidth 15MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.00	-44.33	5.36	3.00	9.62	-40.07	-13.00	-27.07	H
5572.50	-50.65	6.24	3.00	11.46	-45.43	-13.00	-32.43	H
3715.00	-47.37	5.36	3.00	9.62	-43.11	-13.00	-30.11	V
5572.50	-51.57	6.24	3.00	11.46	-46.35	-13.00	-33.35	V

LTE FDD Band 2_Channel Bandwidth 15MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-45.65	5.32	3.00	10.03	-41.03	-13.00	-28.03	H
5640.00	-47.98	6.19	3.00	11.41	-42.73	-13.00	-29.73	H
3760.00	-48.08	5.32	3.00	10.03	-43.46	-13.00	-30.46	V
5640.00	-49.23	6.19	3.00	11.41	-43.98	-13.00	-30.98	V

LTE FDD Band 2_Channel Bandwidth 15MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3805.00	-43.74	5.32	3.00	10.03	-39.03	-13.00	-26.03	H
5707.50	-48.31	6.19	3.00	11.41	-43.09	-13.00	-30.09	H
3805.00	-45.40	5.32	3.00	10.03	-40.69	-13.00	-27.69	V
5707.50	-50.54	6.19	3.00	11.41	-45.32	-13.00	-32.32	V

LTE FDD Band 2_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.00	-42.87	5.36	3.00	9.62	-38.61	-13.00	-25.61	H
5572.50	-49.07	6.24	3.00	11.46	-43.85	-13.00	-30.85	H
3715.00	-46.47	5.36	3.00	9.62	-42.21	-13.00	-29.21	V
5572.50	-51.73	6.24	3.00	11.46	-46.51	-13.00	-33.51	V

LTE FDD Band 2_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3720.00	-43.54	5.26	3.00	9.88	-38.92	-13.00	-25.92	H
5580.00	-48.04	6.11	3.00	11.36	-42.79	-13.00	-29.79	H
3720.00	-47.02	5.26	3.00	9.88	-42.40	-13.00	-29.40	V
5580.00	-51.22	6.11	3.00	11.36	-45.97	-13.00	-32.97	V

LTE FDD Band 2_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3800.00	-42.86	5.32	3.00	10.03	-38.15	-13.00	-25.15	H
5700.00	-45.92	6.19	3.00	11.41	-40.70	-13.00	-27.70	H
3800.00	-46.65	5.32	3.00	10.03	-41.94	-13.00	-28.94	V
5700.00	-51.35	6.19	3.00	11.41	-46.13	-13.00	-33.13	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3421.40	-41.33	4.62	3.00	9.81	-36.14	-13.00	-23.14	H
5132.10	-44.21	5.94	3.00	10.86	-39.29	-13.00	-26.29	H
3421.40	-45.50	4.62	3.00	9.81	-40.31	-13.00	-27.31	V
5132.10	-47.21	5.94	3.00	10.86	-42.29	-13.00	-29.29	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-40.29	4.63	3.00	9.84	-35.08	-13.00	-22.08	H
5197.50	-42.61	5.94	3.00	10.86	-37.69	-13.00	-24.69	H
3465.00	-44.52	4.63	3.00	9.84	-39.31	-13.00	-26.31	V
5197.50	-46.62	5.94	3.00	10.86	-41.70	-13.00	-28.70	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3508.60	-41.53	4.65	3.00	9.9	-36.28	-13.00	-23.28	H
5262.90	-44.66	5.95	3.00	10.91	-39.70	-13.00	-26.70	H
3508.60	-45.21	4.65	3.00	9.9	-39.96	-13.00	-26.96	V
5262.90	-47.13	5.95	3.00	10.91	-42.17	-13.00	-29.17	V

LTE FDD Band 4_Channel Bandwidth 3MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3423.00	-44.75	4.62	3.00	9.81	-39.56	-13.00	-26.56	H
5134.50	-46.97	5.94	3.00	10.86	-42.05	-13.00	-29.05	H
3423.00	-46.03	4.62	3.00	9.81	-40.84	-13.00	-27.84	V
5134.50	-49.60	5.94	3.00	10.86	-44.68	-13.00	-31.68	V

LTE FDD Band 4_Channel Bandwidth 3MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-43.62	4.63	3.00	9.84	-38.41	-13.00	-25.41	H
5197.50	-46.90	5.94	3.00	10.86	-41.98	-13.00	-28.98	H
3465.00	-46.20	4.63	3.00	9.84	-40.99	-13.00	-27.99	V
5197.50	-48.66	5.94	3.00	10.86	-43.74	-13.00	-30.74	V

LTE FDD Band 4_Channel Bandwidth 3MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3507.00	-46.42	4.65	3.00	9.9	-41.17	-13.00	-28.17	H
5260.50	-48.51	5.95	3.00	10.91	-43.55	-13.00	-30.55	H
3507.00	-47.29	4.65	3.00	9.9	-42.04	-13.00	-29.04	V
5260.50	-50.48	5.95	3.00	10.91	-45.52	-13.00	-32.52	V

LTE FDD Band 4_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3425.00	-41.54	4.62	3.00	9.81	-36.35	-13.00	-23.35	H
5137.50	-45.42	5.94	3.00	10.86	-40.50	-13.00	-27.50	H
3425.00	-44.57	4.62	3.00	9.81	-39.38	-13.00	-26.38	V
5137.50	-48.28	5.94	3.00	10.86	-43.36	-13.00	-30.36	V

LTE FDD Band 4_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-40.76	4.63	3.00	9.84	-35.55	-13.00	-22.55	H
5197.50	-45.50	5.94	3.00	10.86	-40.58	-13.00	-27.58	H
3465.00	-45.62	4.63	3.00	9.84	-40.41	-13.00	-27.41	V
5197.50	-49.18	5.94	3.00	10.86	-44.26	-13.00	-31.26	V

LTE FDD Band 4_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3505.00	-42.20	4.65	3.00	9.9	-36.95	-13.00	-23.95	H
5257.50	-46.02	5.95	3.00	10.91	-41.06	-13.00	-28.06	H
3505.00	-45.73	4.65	3.00	9.9	-40.48	-13.00	-27.48	V
5257.50	-49.52	5.95	3.00	10.91	-44.56	-13.00	-31.56	V

LTE FDD Band 4_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3430.00	-43.89	4.62	3.00	9.81	-38.70	-13.00	-25.70	H
5145.00	-44.22	5.94	3.00	10.86	-39.30	-13.00	-26.30	H
3430.00	-46.36	4.62	3.00	9.81	-41.17	-13.00	-28.17	V
5145.00	-48.00	5.94	3.00	10.86	-43.08	-13.00	-30.08	V

LTE FDD Band 4_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-43.36	4.63	3.00	9.84	-38.15	-13.00	-25.15	H
5197.50	-44.09	5.94	3.00	10.86	-39.17	-13.00	-26.17	H
3465.00	-45.34	4.63	3.00	9.84	-40.13	-13.00	-27.13	V
5197.50	-48.43	5.94	3.00	10.86	-43.51	-13.00	-30.51	V

LTE FDD Band 4_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3500.00	-45.52	4.65	3.00	9.9	-40.27	-13.00	-27.27	H
5250.00	-47.99	5.95	3.00	10.91	-43.03	-13.00	-30.03	H
3500.00	-43.82	4.65	3.00	9.9	-38.57	-13.00	-25.57	V
5250.00	-46.38	5.95	3.00	10.91	-41.42	-13.00	-28.42	V

LTE FDD Band 4_Channel Bandwidth 15MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3435.00	-43.77	4.62	3.00	9.81	-38.58	-13.00	-25.58	H
5152.50	-46.10	5.94	3.00	10.86	-41.18	-13.00	-28.18	H
3435.00	-45.30	4.62	3.00	9.81	-40.11	-13.00	-27.11	V
5152.50	-48.31	5.94	3.00	10.86	-43.39	-13.00	-30.39	V

LTE FDD Band 4_Channel Bandwidth 15MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-43.63	4.63	3.00	9.84	-38.42	-13.00	-25.42	H
5197.50	-47.12	5.94	3.00	10.86	-42.20	-13.00	-29.20	H
3465.00	-45.84	4.63	3.00	9.84	-40.63	-13.00	-27.63	V
5197.50	-48.81	5.94	3.00	10.86	-43.89	-13.00	-30.89	V

LTE FDD Band 4_Channel Bandwidth 15MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3495.00	-44.59	4.65	3.00	9.9	-39.34	-13.00	-26.34	H
5242.50	-47.82	5.95	3.00	10.91	-42.86	-13.00	-29.86	H
3495.00	-46.55	4.65	3.00	9.9	-41.30	-13.00	-28.30	V
5242.50	-49.46	5.95	3.00	10.91	-44.50	-13.00	-31.50	V

LTE FDD Band 4_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.00	-42.56	4.62	3.00	9.81	-37.37	-13.00	-24.37	H
5160.00	-44.12	5.94	3.00	10.86	-39.20	-13.00	-26.20	H
3440.00	-44.81	4.62	3.00	9.81	-39.62	-13.00	-26.62	V
5160.00	-47.23	5.94	3.00	10.86	-42.31	-13.00	-29.31	V

LTE FDD Band 4_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-42.65	4.63	3.00	9.84	-37.44	-13.00	-24.44	H
5197.50	-44.11	5.94	3.00	10.86	-39.19	-13.00	-26.19	H
3465.00	-44.35	4.63	3.00	9.84	-39.14	-13.00	-26.14	V
5197.50	-47.55	5.94	3.00	10.86	-42.63	-13.00	-29.63	V

LTE FDD Band 4_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.00	-44.53	4.65	3.00	9.9	-39.28	-13.00	-26.28	H
5235.00	-48.19	5.95	3.00	10.91	-43.23	-13.00	-30.23	H
3490.00	-45.15	4.65	3.00	9.9	-39.90	-13.00	-26.90	V
5235.00	-48.22	5.95	3.00	10.91	-43.26	-13.00	-30.26	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3421.40	-52.48	4.62	3.00	9.81	-47.29	-13.00	-34.29	H
5132.10	-54.99	5.94	3.00	10.86	-50.07	-13.00	-37.07	H
3421.40	-53.61	4.62	3.00	9.81	-48.42	-13.00	-35.42	V
5132.10	-55.78	5.94	3.00	10.86	-50.86	-13.00	-37.86	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-54.52	4.63	3.00	9.84	-49.31	-13.00	-36.31	H
5197.50	-56.64	5.94	3.00	10.86	-51.72	-13.00	-38.72	H
3465.00	-54.66	4.63	3.00	9.84	-49.45	-13.00	-36.45	V
5197.50	-55.34	5.94	3.00	10.86	-50.42	-13.00	-37.42	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3508.60	-54.21	4.65	3.00	9.9	-48.96	-13.00	-35.96	H
5262.90	-56.76	5.95	3.00	10.91	-51.80	-13.00	-38.80	H
3508.60	-53.81	4.65	3.00	9.9	-48.56	-13.00	-35.56	V
5262.90	-56.92	5.95	3.00	10.91	-51.96	-13.00	-38.96	V

LTE FDD Band 4_Channel Bandwidth 3MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3423.00	-51.06	4.62	3.00	9.81	-45.87	-13.00	-32.87	H
5134.50	-52.97	5.94	3.00	10.86	-48.05	-13.00	-35.05	H
3423.00	-53.69	4.62	3.00	9.81	-48.50	-13.00	-35.50	V
5134.50	-55.76	5.94	3.00	10.86	-50.84	-13.00	-37.84	V

LTE FDD Band 4_Channel Bandwidth 3MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-51.96	4.63	3.00	9.84	-46.75	-13.00	-33.75	H
5197.50	-51.15	5.94	3.00	10.86	-46.23	-13.00	-33.23	H
3465.00	-53.29	4.63	3.00	9.84	-48.08	-13.00	-35.08	V
5197.50	-55.23	5.94	3.00	10.86	-50.31	-13.00	-37.31	V

LTE FDD Band 4_Channel Bandwidth 3MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3507.00	-52.22	4.65	3.00	9.9	-46.97	-13.00	-33.97	H
5260.50	-54.86	5.95	3.00	10.91	-49.90	-13.00	-36.90	H
3507.00	-53.62	4.65	3.00	9.9	-48.37	-13.00	-35.37	V
5260.50	-56.12	5.95	3.00	10.91	-51.16	-13.00	-38.16	V

LTE FDD Band 4_Channel Bandwidth 5MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3425.00	-50.20	4.62	3.00	9.81	-45.01	-13.00	-32.01	H
5137.50	-52.04	5.94	3.00	10.86	-47.12	-13.00	-34.12	H
3425.00	-52.85	4.62	3.00	9.81	-47.66	-13.00	-34.66	V
5137.50	-55.04	5.94	3.00	10.86	-50.12	-13.00	-37.12	V

LTE FDD Band 4_Channel Bandwidth 5MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-50.85	4.63	3.00	9.84	-45.64	-13.00	-32.64	H
5197.50	-52.47	5.94	3.00	10.86	-47.55	-13.00	-34.55	H
3465.00	-50.80	4.63	3.00	9.84	-45.59	-13.00	-32.59	V
5197.50	-54.52	5.94	3.00	10.86	-49.60	-13.00	-36.60	V

LTE FDD Band 4_Channel Bandwidth 5MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3505.00	-50.61	4.65	3.00	9.9	-45.36	-13.00	-32.36	H
5257.50	-52.92	5.95	3.00	10.91	-47.96	-13.00	-34.96	H
3505.00	-51.62	4.65	3.00	9.9	-46.37	-13.00	-33.37	V
5257.50	-55.33	5.95	3.00	10.91	-50.37	-13.00	-37.37	V

LTE FDD Band 4_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3430.00	-50.77	4.62	3.00	9.81	-45.58	-13.00	-32.58	H
5145.00	-51.47	5.94	3.00	10.86	-46.55	-13.00	-33.55	H
3430.00	-52.48	4.62	3.00	9.81	-47.29	-13.00	-34.29	V
5145.00	-54.98	5.94	3.00	10.86	-50.06	-13.00	-37.06	V

LTE FDD Band 4_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-50.42	4.63	3.00	9.84	-45.21	-13.00	-32.21	H
5197.50	-52.83	5.94	3.00	10.86	-47.91	-13.00	-34.91	H
3465.00	-52.23	4.63	3.00	9.84	-47.02	-13.00	-34.02	V
5197.50	-54.80	5.94	3.00	10.86	-49.88	-13.00	-36.88	V

LTE FDD Band 4_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3500.00	-52.95	4.65	3.00	9.9	-47.70	-13.00	-34.70	H
5250.00	-54.21	5.95	3.00	10.91	-49.25	-13.00	-36.25	H
3500.00	-53.73	4.65	3.00	9.9	-48.48	-13.00	-35.48	V
5250.00	-55.87	5.95	3.00	10.91	-50.91	-13.00	-37.91	V

LTE FDD Band 4_Channel Bandwidth 15MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3435.00	-50.18	4.62	3.00	9.81	-44.99	-13.00	-31.99	H
5152.50	-52.40	5.94	3.00	10.86	-47.48	-13.00	-34.48	H
3435.00	-51.72	4.62	3.00	9.81	-46.53	-13.00	-33.53	V
5152.50	-55.61	5.94	3.00	10.86	-50.69	-13.00	-37.69	V

LTE FDD Band 4_Channel Bandwidth 15MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-50.56	4.63	3.00	9.84	-45.35	-13.00	-32.35	H
5197.50	-52.59	5.94	3.00	10.86	-47.67	-13.00	-34.67	H
3465.00	-52.31	4.63	3.00	9.84	-47.10	-13.00	-34.10	V
5197.50	-54.28	5.94	3.00	10.86	-49.36	-13.00	-36.36	V

LTE FDD Band 4_Channel Bandwidth 15MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3495.00	-52.23	4.65	3.00	9.9	-46.98	-13.00	-33.98	H
5242.50	-54.55	5.95	3.00	10.91	-49.59	-13.00	-36.59	H
3495.00	-50.33	4.65	3.00	9.9	-45.08	-13.00	-32.08	V
5242.50	-53.19	5.95	3.00	10.91	-48.23	-13.00	-35.23	V

LTE FDD Band 4_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.00	-50.14	4.62	3.00	9.81	-44.95	-13.00	-31.95	H
5160.00	-50.99	5.94	3.00	10.86	-46.07	-13.00	-33.07	H
3440.00	-52.47	4.62	3.00	9.81	-47.28	-13.00	-34.28	V
5160.00	-54.03	5.94	3.00	10.86	-49.11	-13.00	-36.11	V

LTE FDD Band 4_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.00	-49.16	4.63	3.00	9.84	-43.95	-13.00	-30.95	H
5197.50	-51.25	5.94	3.00	10.86	-46.33	-13.00	-33.33	H
3465.00	-52.90	4.63	3.00	9.84	-47.69	-13.00	-34.69	V
5197.50	-54.43	5.94	3.00	10.86	-49.51	-13.00	-36.51	V

LTE FDD Band 4_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.00	-51.91	4.65	3.00	9.9	-46.66	-13.00	-33.66	H
5235.00	-53.28	5.95	3.00	10.91	-48.32	-13.00	-35.32	H
3490.00	-53.80	4.65	3.00	9.9	-48.55	-13.00	-35.55	V
5235.00	-54.85	5.95	3.00	10.91	-49.89	-13.00	-36.89	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1649.40	-46.32	3.86	3.00	8.56	-41.62	-13.00	-28.62	H
2474.10	-47.00	4.29	3.00	6.98	-44.31	-13.00	-31.31	H
1649.40	-45.21	3.86	3.00	8.56	-40.51	-13.00	-27.51	V
2474.10	-48.45	4.29	3.00	6.98	-45.76	-13.00	-32.76	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-46.03	3.90	3.00	8.58	-41.35	-13.00	-28.35	H
2509.50	-46.71	4.32	3.00	6.80	-44.23	-13.00	-31.23	H
1673.00	-46.30	3.90	3.00	8.58	-41.62	-13.00	-28.62	V
2509.50	-49.55	4.32	3.00	6.80	-47.07	-13.00	-34.07	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1696.60	-44.16	3.91	3.00	9.06	-39.01	-13.00	-26.01	H
2544.90	-45.32	4.32	3.00	6.65	-42.99	-13.00	-29.99	H
1696.60	-46.15	3.91	3.00	9.06	-41.00	-13.00	-28.00	V
2544.90	-47.85	4.32	3.00	6.65	-45.52	-13.00	-32.52	V

LTE FDD Band 5_Channel Bandwidth 3MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1651.00	-46.14	3.86	3.00	8.56	-41.44	-13.00	-28.44	H
2476.50	-46.95	4.29	3.00	6.98	-44.26	-13.00	-31.26	H
1651.00	-45.34	3.86	3.00	8.56	-40.64	-13.00	-27.64	V
2476.50	-48.56	4.29	3.00	6.98	-45.87	-13.00	-32.87	V

LTE FDD Band 5_Channel Bandwidth 3MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-45.95	3.90	3.00	8.58	-41.27	-13.00	-28.27	H
2509.50	-46.63	4.32	3.00	6.80	-44.15	-13.00	-31.15	H
1673.00	-46.35	3.90	3.00	8.58	-41.67	-13.00	-28.67	V
2509.50	-49.56	4.32	3.00	6.80	-47.08	-13.00	-34.08	V

LTE FDD Band 5_Channel Bandwidth 3MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1695.00	-44.21	3.91	3.00	9.06	-39.06	-13.00	-26.06	H
2542.50	-45.49	4.32	3.00	6.65	-43.16	-13.00	-30.16	H
1695.00	-46.24	3.91	3.00	9.06	-41.09	-13.00	-28.09	V
2542.50	-47.96	4.32	3.00	6.65	-45.63	-13.00	-32.63	V

LTE FDD Band 5_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1653.00	-46.12	3.86	3.00	8.56	-41.42	-13.00	-28.42	H
2479.50	-47.00	4.29	3.00	6.98	-44.31	-13.00	-31.31	H
1653.00	-45.54	3.86	3.00	8.56	-40.84	-13.00	-27.84	V
2479.50	-48.40	4.29	3.00	6.98	-45.71	-13.00	-32.71	V

LTE FDD Band 5_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-46.27	3.90	3.00	8.58	-41.59	-13.00	-28.59	H
2509.50	-46.68	4.32	3.00	6.80	-44.20	-13.00	-31.20	H
1673.00	-46.31	3.90	3.00	8.58	-41.63	-13.00	-28.63	V
2509.50	-49.75	4.32	3.00	6.80	-47.27	-13.00	-34.27	V

LTE FDD Band 5_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1693.00	-44.13	3.91	3.00	9.06	-38.98	-13.00	-25.98	H
2539.50	-45.25	4.32	3.00	6.65	-42.92	-13.00	-29.92	H
1693.00	-46.05	3.91	3.00	9.06	-40.90	-13.00	-27.90	V
2539.50	-47.91	4.32	3.00	6.65	-45.58	-13.00	-32.58	V

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-46.35	3.86	3.00	8.56	-41.65	-13.00	-28.65	H
2502.00	-47.21	4.29	3.00	6.98	-44.52	-13.00	-31.52	H
1668.00	-45.41	3.86	3.00	8.56	-40.71	-13.00	-27.71	V
2502.00	-48.53	4.29	3.00	6.98	-45.84	-13.00	-32.84	V

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-46.29	3.90	3.00	8.58	-41.61	-13.00	-28.61	H
2509.50	-46.89	4.32	3.00	6.80	-44.41	-13.00	-31.41	H
1673.00	-46.16	3.90	3.00	8.58	-41.48	-13.00	-28.48	V
2509.50	-49.45	4.32	3.00	6.80	-46.97	-13.00	-33.97	V

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-44.38	3.91	3.00	9.06	-39.23	-13.00	-26.23	H
2517.00	-45.51	4.32	3.00	6.65	-43.18	-13.00	-30.18	H
1678.00	-46.28	3.91	3.00	9.06	-41.13	-13.00	-28.13	V
2517.00	-47.92	4.32	3.00	6.65	-45.59	-13.00	-32.59	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1649.40	-46.35	3.86	3.00	8.56	-41.65	-13.00	-28.65	H
2474.10	-47.00	4.29	3.00	6.98	-44.31	-13.00	-31.31	H
1649.40	-45.23	3.86	3.00	8.56	-40.53	-13.00	-27.53	V
2474.10	-48.61	4.29	3.00	6.98	-45.92	-13.00	-32.92	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-46.02	3.90	3.00	8.58	-41.34	-13.00	-28.34	H
2509.50	-46.71	4.32	3.00	6.80	-44.23	-13.00	-31.23	H
1673.00	-46.20	3.90	3.00	8.58	-41.52	-13.00	-28.52	V
2509.50	-49.59	4.32	3.00	6.80	-47.11	-13.00	-34.11	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1696.60	-44.01	3.91	3.00	9.06	-38.86	-13.00	-25.86	H
2544.90	-45.54	4.32	3.00	6.65	-43.21	-13.00	-30.21	H
1696.60	-46.05	3.91	3.00	9.06	-40.90	-13.00	-27.90	V
2544.90	-48.04	4.32	3.00	6.65	-45.71	-13.00	-32.71	V

LTE FDD Band 5_Channel Bandwidth 3MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1651.00	-46.22	3.86	3.00	8.56	-41.52	-13.00	-28.52	H
2476.50	-47.27	4.29	3.00	6.98	-44.58	-13.00	-31.58	H
1651.00	-45.47	3.86	3.00	8.56	-40.77	-13.00	-27.77	V
2476.50	-48.43	4.29	3.00	6.98	-45.74	-13.00	-32.74	V

LTE FDD Band 5_Channel Bandwidth 3MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-46.17	3.90	3.00	8.58	-41.49	-13.00	-28.49	H
2509.50	-46.79	4.32	3.00	6.80	-44.31	-13.00	-31.31	H
1673.00	-46.39	3.90	3.00	8.58	-41.71	-13.00	-28.71	V
2509.50	-49.51	4.32	3.00	6.80	-47.03	-13.00	-34.03	V

LTE FDD Band 5_Channel Bandwidth 3MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1695.00	-44.24	3.91	3.00	9.06	-39.09	-13.00	-26.09	H
2542.50	-45.24	4.32	3.00	6.65	-42.91	-13.00	-29.91	H
1695.00	-46.09	3.91	3.00	9.06	-40.94	-13.00	-27.94	V
2542.50	-47.97	4.32	3.00	6.65	-45.64	-13.00	-32.64	V

LTE FDD Band 5_Channel Bandwidth 5MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1653.00	-45.99	3.86	3.00	8.56	-41.29	-13.00	-28.29	H
2479.50	-47.08	4.29	3.00	6.98	-44.39	-13.00	-31.39	H
1653.00	-45.56	3.86	3.00	8.56	-40.86	-13.00	-27.86	V
2479.50	-48.33	4.29	3.00	6.98	-45.64	-13.00	-32.64	V

LTE FDD Band 5_Channel Bandwidth 5MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-46.32	3.90	3.00	8.58	-41.64	-13.00	-28.64	H
2509.50	-46.82	4.32	3.00	6.80	-44.34	-13.00	-31.34	H
1673.00	-46.40	3.90	3.00	8.58	-41.72	-13.00	-28.72	V
2509.50	-49.47	4.32	3.00	6.80	-46.99	-13.00	-33.99	V

LTE FDD Band 5_Channel Bandwidth 5MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1693.00	-44.06	3.91	3.00	9.06	-38.91	-13.00	-25.91	H
2539.50	-45.50	4.32	3.00	6.65	-43.17	-13.00	-30.17	H
1693.00	-46.19	3.91	3.00	9.06	-41.04	-13.00	-28.04	V
2539.50	-47.97	4.32	3.00	6.65	-45.64	-13.00	-32.64	V

LTE FDD Band 5_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-46.15	3.86	3.00	8.56	-41.45	-13.00	-28.45	H
2502.00	-47.12	4.29	3.00	6.98	-44.43	-13.00	-31.43	H
1668.00	-45.46	3.86	3.00	8.56	-40.76	-13.00	-27.76	V
2502.00	-48.51	4.29	3.00	6.98	-45.82	-13.00	-32.82	V

LTE FDD Band 5_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-45.94	3.90	3.00	8.58	-41.26	-13.00	-28.26	H
2509.50	-46.84	4.32	3.00	6.80	-44.36	-13.00	-31.36	H
1673.00	-46.17	3.90	3.00	8.58	-41.49	-13.00	-28.49	V
2509.50	-49.74	4.32	3.00	6.80	-47.26	-13.00	-34.26	V

LTE FDD Band 5_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-44.29	3.91	3.00	9.06	-39.14	-13.00	-26.14	H
2517.00	-45.34	4.32	3.00	6.65	-43.01	-13.00	-30.01	H
1678.00	-46.15	3.91	3.00	9.06	-41.00	-13.00	-28.00	V
2517.00	-47.90	4.32	3.00	6.65	-45.57	-13.00	-32.57	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_QPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1399.40	-49.66	4.73	3.00	10.42	-43.97	-13.00	-30.97	H
2099.10	-50.87	5.64	3.00	12.30	-44.21	-13.00	-31.21	H
1399.40	-50.90	4.73	3.00	10.42	-45.21	-13.00	-32.21	V
2099.10	-51.76	5.64	3.00	12.30	-45.10	-13.00	-32.10	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_QPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-51.61	4.75	3.00	10.44	-45.92	-13.00	-32.92	H
2122.50	-47.82	5.66	3.00	12.33	-41.15	-13.00	-28.15	H
1415.00	-52.10	4.75	3.00	10.44	-46.41	-13.00	-33.41	V
2122.50	-49.70	5.66	3.00	12.33	-43.03	-13.00	-30.03	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_QPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1430.60	-51.47	4.77	3.00	10.45	-45.79	-13.00	-32.79	H
2145.90	-48.35	5.69	3.00	12.36	-41.68	-13.00	-28.68	H
1430.60	-50.93	4.77	3.00	10.45	-45.25	-13.00	-32.25	V
2145.90	-49.89	5.69	3.00	12.36	-43.22	-13.00	-30.22	V

LTE FDD Band 12_Channel Bandwidth 3MHz_QPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1401.00	-49.65	4.73	3.00	10.42	-43.96	-13.00	-30.96	H
2101.50	-51.13	5.64	3.00	12.30	-44.47	-13.00	-31.47	H
1401.00	-50.97	4.73	3.00	10.42	-45.28	-13.00	-32.28	V
2101.50	-51.81	5.64	3.00	12.30	-45.15	-13.00	-32.15	V

LTE FDD Band 12_Channel Bandwidth 3MHz_QPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-51.65	4.75	3.00	10.44	-45.96	-13.00	-32.96	H
2122.50	-48.14	5.66	3.00	12.33	-41.47	-13.00	-28.47	H
1415.00	-51.70	4.75	3.00	10.44	-46.01	-13.00	-33.01	V
2122.50	-49.48	5.66	3.00	12.33	-42.81	-13.00	-29.81	V

LTE FDD Band 12_Channel Bandwidth 3MHz_QPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1429.00	-51.73	4.77	3.00	10.45	-46.05	-13.00	-33.05	H
2143.50	-48.05	5.69	3.00	12.36	-41.38	-13.00	-28.38	H
1429.00	-50.98	4.77	3.00	10.45	-45.30	-13.00	-32.30	V
2143.50	-49.78	5.69	3.00	12.36	-43.11	-13.00	-30.11	V

LTE FDD Band 12_Channel Bandwidth 5MHz_QPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1403.00	-49.84	4.73	3.00	10.42	-44.15	-13.00	-31.15	H
2104.50	-51.20	5.64	3.00	12.30	-44.54	-13.00	-31.54	H
1403.00	-51.16	4.73	3.00	10.42	-45.47	-13.00	-32.47	V
2104.50	-51.65	5.64	3.00	12.30	-44.99	-13.00	-31.99	V

LTE FDD Band 12_Channel Bandwidth 5MHz_QPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-51.84	4.75	3.00	10.44	-46.15	-13.00	-33.15	H
2122.50	-47.97	5.66	3.00	12.33	-41.30	-13.00	-28.30	H
1415.00	-52.00	4.75	3.00	10.44	-46.31	-13.00	-33.31	V
2122.50	-49.59	5.66	3.00	12.33	-42.92	-13.00	-29.92	V

LTE FDD Band 12_Channel Bandwidth 5MHz_QPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1427.00	-51.73	4.77	3.00	10.45	-46.05	-13.00	-33.05	H
2140.50	-48.41	5.69	3.00	12.36	-41.74	-13.00	-28.74	H
1427.00	-50.68	4.77	3.00	10.45	-45.00	-13.00	-32.00	V
2140.50	-49.80	5.69	3.00	12.36	-43.13	-13.00	-30.13	V

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1408.00	-50.11	4.73	3.00	10.42	-44.42	-13.00	-31.42	H
2112.00	-50.97	5.64	3.00	12.30	-44.31	-13.00	-31.31	H
1408.00	-50.71	4.73	3.00	10.42	-45.02	-13.00	-32.02	V
2112.00	-51.65	5.64	3.00	12.30	-44.99	-13.00	-31.99	V

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-51.57	4.75	3.00	10.44	-45.88	-13.00	-32.88	H
2122.50	-48.15	5.66	3.00	12.33	-41.48	-13.00	-28.48	H
1415.00	-51.83	4.75	3.00	10.44	-46.14	-13.00	-33.14	V
2122.50	-49.76	5.66	3.00	12.33	-43.09	-13.00	-30.09	V

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.00	-51.67	4.77	3.00	10.45	-45.99	-13.00	-32.99	H
2133.00	-48.04	5.69	3.00	12.36	-41.37	-13.00	-28.37	H
1422.00	-51.03	4.77	3.00	10.45	-45.35	-13.00	-32.35	V
2133.00	-50.05	5.69	3.00	12.36	-43.38	-13.00	-30.38	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1399.40	-49.51	4.73	3.00	10.42	-43.82	-13.00	-30.82	H
2099.10	-51.22	5.64	3.00	12.30	-44.56	-13.00	-31.56	H
1399.40	-50.70	4.73	3.00	10.42	-45.01	-13.00	-32.01	V
2099.10	-51.95	5.64	3.00	12.30	-45.29	-13.00	-32.29	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-51.89	4.75	3.00	10.44	-46.20	-13.00	-33.20	H
2122.50	-47.78	5.66	3.00	12.33	-41.11	-13.00	-28.11	H
1415.00	-51.94	4.75	3.00	10.44	-46.25	-13.00	-33.25	V
2122.50	-49.94	5.66	3.00	12.33	-43.27	-13.00	-30.27	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1430.60	-51.83	4.77	3.00	10.45	-46.15	-13.00	-33.15	H
2145.90	-48.30	5.69	3.00	12.36	-41.63	-13.00	-28.63	H
1430.60	-50.92	4.77	3.00	10.45	-45.24	-13.00	-32.24	V
2145.90	-49.71	5.69	3.00	12.36	-43.04	-13.00	-30.04	V

LTE FDD Band 12_Channel Bandwidth 3MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1401.00	-49.63	4.73	3.00	10.42	-43.94	-13.00	-30.94	H
2101.50	-51.22	5.64	3.00	12.30	-44.56	-13.00	-31.56	H
1401.00	-50.68	4.73	3.00	10.42	-44.99	-13.00	-31.99	V
2101.50	-51.80	5.64	3.00	12.30	-45.14	-13.00	-32.14	V

LTE FDD Band 12_Channel Bandwidth 3MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-51.48	4.75	3.00	10.44	-45.79	-13.00	-32.79	H
2122.50	-48.18	5.66	3.00	12.33	-41.51	-13.00	-28.51	H
1415.00	-51.87	4.75	3.00	10.44	-46.18	-13.00	-33.18	V
2122.50	-49.79	5.66	3.00	12.33	-43.12	-13.00	-30.12	V

LTE FDD Band 12_Channel Bandwidth 3MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1429.00	-51.98	4.77	3.00	10.45	-46.30	-13.00	-33.30	H
2143.50	-48.06	5.69	3.00	12.36	-41.39	-13.00	-28.39	H
1429.00	-50.84	4.77	3.00	10.45	-45.16	-13.00	-32.16	V
2143.50	-50.11	5.69	3.00	12.36	-43.44	-13.00	-30.44	V

LTE FDD Band 12_Channel Bandwidth 5MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1403.00	-49.51	4.73	3.00	10.42	-43.82	-13.00	-30.82	H
2104.50	-51.19	5.64	3.00	12.30	-44.53	-13.00	-31.53	H
1403.00	-51.01	4.73	3.00	10.42	-45.32	-13.00	-32.32	V
2104.50	-51.70	5.64	3.00	12.30	-45.04	-13.00	-32.04	V

LTE FDD Band 12_Channel Bandwidth 5MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-51.63	4.75	3.00	10.44	-45.94	-13.00	-32.94	H
2122.50	-48.42	5.66	3.00	12.33	-41.75	-13.00	-28.75	H
1415.00	-51.65	4.75	3.00	10.44	-45.96	-13.00	-32.96	V
2122.50	-49.63	5.66	3.00	12.33	-42.96	-13.00	-29.96	V

LTE FDD Band 12_Channel Bandwidth 5MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1427.00	-51.86	4.77	3.00	10.45	-46.18	-13.00	-33.18	H
2140.50	-48.19	5.69	3.00	12.36	-41.52	-13.00	-28.52	H
1427.00	-50.61	4.77	3.00	10.45	-44.93	-13.00	-31.93	V
2140.50	-49.74	5.69	3.00	12.36	-43.07	-13.00	-30.07	V

LTE FDD Band 12_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1408.00	-49.99	4.73	3.00	10.42	-44.30	-13.00	-31.30	H
2112.00	-51.21	5.64	3.00	12.30	-44.55	-13.00	-31.55	H
1408.00	-50.91	4.73	3.00	10.42	-45.22	-13.00	-32.22	V
2112.00	-51.59	5.64	3.00	12.30	-44.93	-13.00	-31.93	V

LTE FDD Band 12_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-52.07	4.75	3.00	10.44	-46.38	-13.00	-33.38	H
2122.50	-47.99	5.66	3.00	12.33	-41.32	-13.00	-28.32	H
1415.00	-51.86	4.75	3.00	10.44	-46.17	-13.00	-33.17	V
2122.50	-49.71	5.66	3.00	12.33	-43.04	-13.00	-30.04	V

LTE FDD Band 12_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.00	-51.86	4.77	3.00	10.45	-46.18	-13.00	-33.18	H
2133.00	-48.17	5.69	3.00	12.36	-41.50	-13.00	-28.50	H
1422.00	-50.97	4.77	3.00	10.45	-45.29	-13.00	-32.29	V
2133.00	-49.71	5.69	3.00	12.36	-43.04	-13.00	-30.04	V

LTE FDD Band 13_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1559.00	-41.04	4.92	3.00	10.45	-35.51	-13.00	-22.51	H
2338.50	-47.74	5.78	3.00	12.32	-41.20	-13.00	-28.20	H
1559.00	-44.06	4.92	3.00	10.45	-38.53	-13.00	-25.53	V
2338.50	-50.19	5.78	3.00	12.32	-43.65	-13.00	-30.65	V

LTE FDD Band 13_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.00	-39.73	4.99	3.00	11.12	-33.60	-13.00	-20.60	H
2346.00	-44.46	5.85	3.00	12.02	-38.29	-13.00	-25.29	H
1564.00	-43.93	4.99	3.00	11.12	-37.80	-13.00	-24.80	V
2346.00	-47.94	5.85	3.00	12.02	-41.77	-13.00	-28.77	V

LTE FDD Band 13_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1569.00	-39.56	5.12	3.00	9.98	-34.70	-13.00	-21.70	H
2353.50	-44.54	5.93	3.00	11.66	-38.81	-13.00	-25.81	H
1569.00	-44.75	5.12	3.00	9.98	-39.89	-13.00	-26.89	V
2353.50	-50.25	5.93	3.00	11.66	-44.52	-13.00	-31.52	V

LTE FDD Band 13_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.00	-40.79	4.92	3.00	10.45	-35.26	-13.00	-22.26	H
2346.00	-46.77	5.78	3.00	12.32	-40.23	-13.00	-27.23	H
1564.00	-44.08	4.92	3.00	10.45	-38.55	-13.00	-25.55	V
2346.00	-49.77	5.78	3.00	12.32	-43.23	-13.00	-30.23	V

LTE FDD Band 13_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.00	-39.71	4.99	3.00	11.12	-33.58	-13.00	-20.58	H
2346.00	-46.98	5.85	3.00	12.02	-40.81	-13.00	-27.81	H
1564.00	-43.10	4.99	3.00	11.12	-36.97	-13.00	-23.97	V
2346.00	-48.04	5.85	3.00	12.02	-41.87	-13.00	-28.87	V

LTE FDD Band 13_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.00	-41.20	5.12	3.00	9.98	-36.34	-13.00	-23.34	H
2346.00	-46.89	5.93	3.00	11.66	-41.16	-13.00	-28.16	H
1564.00	-43.74	5.12	3.00	9.98	-38.88	-13.00	-25.88	V
2346.00	-49.39	5.93	3.00	11.66	-43.66	-13.00	-30.66	V

LTE FDD Band 13_Channel Bandwidth 5MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1559.00	-40.91	4.92	3.00	10.45	-35.38	-13.00	-22.38	H
2338.50	-47.60	5.78	3.00	12.32	-41.06	-13.00	-28.06	H
1559.00	-43.69	4.92	3.00	10.45	-38.16	-13.00	-25.16	V
2338.50	-50.32	5.78	3.00	12.32	-43.78	-13.00	-30.78	V

LTE FDD Band 13_Channel Bandwidth 5MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.00	-40.00	4.99	3.00	11.12	-33.87	-13.00	-20.87	H
2346.00	-44.56	5.85	3.00	12.02	-38.39	-13.00	-25.39	H
1564.00	-44.39	4.99	3.00	11.12	-38.26	-13.00	-25.26	V
2346.00	-47.58	5.85	3.00	12.02	-41.41	-13.00	-28.41	V

LTE FDD Band 13_Channel Bandwidth 5MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1569.00	-39.71	5.12	3.00	9.98	-34.85	-13.00	-21.85	H
2353.50	-44.50	5.93	3.00	11.66	-38.77	-13.00	-25.77	H
1569.00	-44.87	5.12	3.00	9.98	-40.01	-13.00	-27.01	V
2353.50	-50.21	5.93	3.00	11.66	-44.48	-13.00	-31.48	V

LTE FDD Band 13_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.00	-40.60	4.92	3.00	10.45	-35.07	-13.00	-22.07	H
2346.00	-46.62	5.78	3.00	12.32	-40.08	-13.00	-27.08	H
1564.00	-44.41	4.92	3.00	10.45	-38.88	-13.00	-25.88	V
2346.00	-50.11	5.78	3.00	12.32	-43.57	-13.00	-30.57	V

LTE FDD Band 13_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.00	-39.92	4.99	3.00	11.12	-33.79	-13.00	-20.79	H
2346.00	-47.26	5.85	3.00	12.02	-41.09	-13.00	-28.09	H
1564.00	-43.33	4.99	3.00	11.12	-37.20	-13.00	-24.20	V
2346.00	-47.51	5.85	3.00	12.02	-41.34	-13.00	-28.34	V

LTE FDD Band 13_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.00	-41.31	5.12	3.00	9.98	-36.45	-13.00	-23.45	H
2346.00	-46.99	5.93	3.00	11.66	-41.26	-13.00	-28.26	H
1564.00	-43.51	5.12	3.00	9.98	-38.65	-13.00	-25.65	V
2346.00	-49.34	5.93	3.00	11.66	-43.61	-13.00	-30.61	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3701.40	-41.99	5.26	3.00	9.88	-37.37	-13.00	-24.37	H
5552.10	-49.04	6.11	3.00	11.36	-43.79	-13.00	-30.79	H
3701.40	-45.88	5.26	3.00	9.88	-41.26	-13.00	-28.26	V
5552.10	-50.81	6.11	3.00	11.36	-45.56	-13.00	-32.56	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-39.87	5.32	3.00	10.03	-35.16	-13.00	-22.16	H
5647.50	-45.19	6.19	3.00	11.41	-39.97	-13.00	-26.97	H
3765.00	-43.28	5.32	3.00	10.03	-38.57	-13.00	-25.57	V
5647.50	-48.89	6.19	3.00	11.41	-43.67	-13.00	-30.67	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3828.60	-40.05	5.36	3.00	9.62	-35.79	-13.00	-22.79	H
5742.90	-45.68	6.24	3.00	11.46	-40.46	-13.00	-27.46	H
3828.60	-43.65	5.36	3.00	9.62	-39.39	-13.00	-26.39	V
5742.90	-50.57	6.24	3.00	11.46	-45.35	-13.00	-32.35	V

LTE FDD Band 25_Channel Bandwidth 3MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3703.00	-42.29	5.26	3.00	9.88	-37.67	-13.00	-24.67	H
5554.50	-47.12	6.11	3.00	11.36	-41.87	-13.00	-28.87	H
3703.00	-44.97	5.26	3.00	9.88	-40.35	-13.00	-27.35	V
5554.50	-50.09	6.11	3.00	11.36	-44.84	-13.00	-31.84	V

LTE FDD Band 25_Channel Bandwidth 3MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-40.23	5.32	3.00	10.03	-35.52	-13.00	-22.52	H
5647.50	-45.14	6.19	3.00	11.41	-39.92	-13.00	-26.92	H
3765.00	-44.51	5.32	3.00	10.03	-39.80	-13.00	-26.80	V
5647.50	-47.85	6.19	3.00	11.41	-42.63	-13.00	-29.63	V

LTE FDD Band 25_Channel Bandwidth 3MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3827.00	-41.31	5.36	3.00	9.62	-37.05	-13.00	-24.05	H
5740.50	-45.50	6.24	3.00	11.46	-40.28	-13.00	-27.28	H
3827.00	-46.25	5.36	3.00	9.62	-41.99	-13.00	-28.99	V
5740.50	-50.38	6.24	3.00	11.46	-45.16	-13.00	-32.16	V

LTE FDD Band 25_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705.00	-41.20	5.26	3.00	9.88	-36.58	-13.00	-23.58	H
5557.50	-47.55	6.11	3.00	11.36	-42.30	-13.00	-29.30	H
3705.00	-44.01	5.26	3.00	9.88	-39.39	-13.00	-26.39	V
5557.50	-50.13	6.11	3.00	11.36	-44.88	-13.00	-31.88	V

LTE FDD Band 25_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-40.16	5.32	3.00	10.03	-35.45	-13.00	-22.45	H
5647.50	-44.16	6.19	3.00	11.41	-38.94	-13.00	-25.94	H
3765.00	-44.12	5.32	3.00	10.03	-39.41	-13.00	-26.41	V
5647.50	-47.94	6.19	3.00	11.41	-42.72	-13.00	-29.72	V

LTE FDD Band 25_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3825.00	-39.69	5.36	3.00	9.62	-35.43	-13.00	-22.43	H
5737.50	-44.51	6.24	3.00	11.46	-39.29	-13.00	-26.29	H
3825.00	-45.21	5.36	3.00	9.62	-40.95	-13.00	-27.95	V
5737.50	-49.96	6.24	3.00	11.46	-44.74	-13.00	-31.74	V

LTE FDD Band 25_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.00	-40.86	5.26	3.00	9.88	-36.24	-13.00	-23.24	H
5565.00	-46.38	6.11	3.00	11.36	-41.13	-13.00	-28.13	H
3710.00	-44.46	5.26	3.00	9.88	-39.84	-13.00	-26.84	V
5565.00	-49.58	6.11	3.00	11.36	-44.33	-13.00	-31.33	V

LTE FDD Band 25_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-40.01	5.32	3.00	10.03	-35.30	-13.00	-22.30	H
5647.50	-47.00	6.19	3.00	11.41	-41.78	-13.00	-28.78	H
3765.00	-43.29	5.32	3.00	10.03	-38.58	-13.00	-25.58	V
5647.50	-47.40	6.19	3.00	11.41	-42.18	-13.00	-29.18	V

LTE FDD Band 25_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3820.00	-41.23	5.36	3.00	9.62	-36.97	-13.00	-23.97	H
5730.00	-47.01	6.24	3.00	11.46	-41.79	-13.00	-28.79	H
3820.00	-43.91	5.36	3.00	9.62	-39.65	-13.00	-26.65	V
5730.00	-49.54	6.24	3.00	11.46	-44.32	-13.00	-31.32	V

LTE FDD Band 25_Channel Bandwidth 15MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.00	-41.83	5.26	3.00	9.88	-37.21	-13.00	-24.21	H
5572.50	-46.85	6.11	3.00	11.36	-41.60	-13.00	-28.60	H
3715.00	-42.85	5.26	3.00	9.88	-38.23	-13.00	-25.23	V
5572.50	-49.93	6.11	3.00	11.36	-44.68	-13.00	-31.68	V

LTE FDD Band 25_Channel Bandwidth 15MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-40.35	5.32	3.00	10.03	-35.64	-13.00	-22.64	H
5647.50	-45.69	6.19	3.00	11.41	-40.47	-13.00	-27.47	H
3765.00	-44.09	5.32	3.00	10.03	-39.38	-13.00	-26.38	V
5647.50	-47.41	6.19	3.00	11.41	-42.19	-13.00	-29.19	V

LTE FDD Band 25_Channel Bandwidth 15MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3815.00	-40.99	5.36	3.00	9.62	-36.73	-13.00	-23.73	H
5722.50	-46.75	6.24	3.00	11.46	-41.53	-13.00	-28.53	H
3815.00	-44.13	5.36	3.00	9.62	-39.87	-13.00	-26.87	V
5722.50	-48.83	6.24	3.00	11.46	-43.61	-13.00	-30.61	V

LTE FDD Band 25_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.00	-40.17	5.26	3.00	9.88	-35.55	-13.00	-22.55	H
5572.50	-45.52	6.11	3.00	11.36	-40.27	-13.00	-27.27	H
3715.00	-42.41	5.26	3.00	9.88	-37.79	-13.00	-24.79	V
5572.50	-47.36	6.11	3.00	11.36	-42.11	-13.00	-29.11	V

LTE FDD Band 25_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-40.22	5.32	3.00	10.03	-35.51	-13.00	-22.51	H
5647.50	-45.18	6.19	3.00	11.41	-39.96	-13.00	-26.96	H
3765.00	-43.96	5.32	3.00	10.03	-39.25	-13.00	-26.25	V
5647.50	-47.46	6.19	3.00	11.41	-42.24	-13.00	-29.24	V

LTE FDD Band 25_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3810.00	-42.17	5.36	3.00	9.62	-37.91	-13.00	-24.91	H
5715.00	-45.32	6.24	3.00	11.46	-40.10	-13.00	-27.10	H
3810.00	-42.77	5.36	3.00	9.62	-38.51	-13.00	-25.51	V
5715.00	-47.71	6.24	3.00	11.46	-42.49	-13.00	-29.49	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3701.40	-47.47	5.26	3.00	9.88	-42.85	-13.00	-29.85	H
5552.10	-50.58	6.11	3.00	11.36	-45.33	-13.00	-32.33	H
3701.40	-48.39	5.26	3.00	9.88	-43.77	-13.00	-30.77	V
5552.10	-52.27	6.11	3.00	11.36	-47.02	-13.00	-34.02	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-40.19	5.32	3.00	10.03	-35.48	-13.00	-22.48	H
5647.50	-45.21	6.19	3.00	11.41	-39.99	-13.00	-26.99	H
3765.00	-43.57	5.32	3.00	10.03	-38.86	-13.00	-25.86	V
5647.50	-47.61	6.19	3.00	11.41	-42.39	-13.00	-29.39	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3828.60	-47.92	5.36	3.00	9.62	-43.66	-13.00	-30.66	H
5742.90	-49.55	6.24	3.00	11.46	-44.33	-13.00	-31.33	H
3828.60	-50.91	5.36	3.00	9.62	-46.65	-13.00	-33.65	V
5742.90	-54.88	6.24	3.00	11.46	-49.66	-13.00	-36.66	V

LTE FDD Band 25_Channel Bandwidth 3MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3703.00	-45.37	5.26	3.00	9.88	-40.75	-13.00	-27.75	H
5554.50	-48.58	6.11	3.00	11.36	-43.33	-13.00	-30.33	H
3703.00	-48.09	5.26	3.00	9.88	-43.47	-13.00	-30.47	V
5554.50	-51.63	6.11	3.00	11.36	-46.38	-13.00	-33.38	V

LTE FDD Band 25_Channel Bandwidth 3MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-44.38	5.32	3.00	10.03	-39.67	-13.00	-26.67	H
5647.50	-48.26	6.19	3.00	11.41	-43.04	-13.00	-30.04	H
3765.00	-47.36	5.32	3.00	10.03	-42.65	-13.00	-29.65	V
5647.50	-49.13	6.19	3.00	11.41	-43.91	-13.00	-30.91	V

LTE FDD Band 25_Channel Bandwidth 3MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3827.00	-45.02	5.36	3.00	9.62	-40.76	-13.00	-27.76	H
5740.50	-47.97	6.24	3.00	11.46	-42.75	-13.00	-29.75	H
3827.00	-45.24	5.36	3.00	9.62	-40.98	-13.00	-27.98	V
5740.50	-51.81	6.24	3.00	11.46	-46.59	-13.00	-33.59	V

LTE FDD Band 25_Channel Bandwidth 5MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3705.00	-44.71	5.26	3.00	9.88	-40.09	-13.00	-27.09	H
5557.50	-49.25	6.11	3.00	11.36	-44.00	-13.00	-31.00	H
3705.00	-48.30	5.26	3.00	9.88	-43.68	-13.00	-30.68	V
5557.50	-51.57	6.11	3.00	11.36	-46.32	-13.00	-33.32	V

LTE FDD Band 25_Channel Bandwidth 5MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-45.77	5.32	3.00	10.03	-41.06	-13.00	-28.06	H
5647.50	-47.23	6.19	3.00	11.41	-42.01	-13.00	-29.01	H
3765.00	-47.90	5.32	3.00	10.03	-43.19	-13.00	-30.19	V
5647.50	-50.00	6.19	3.00	11.41	-44.78	-13.00	-31.78	V

LTE FDD Band 25_Channel Bandwidth 5MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3825.00	-43.70	5.36	3.00	9.62	-39.44	-13.00	-26.44	H
5737.50	-48.64	6.24	3.00	11.46	-43.42	-13.00	-30.42	H
3825.00	-46.45	5.36	3.00	9.62	-42.19	-13.00	-29.19	V
5737.50	-50.69	6.24	3.00	11.46	-45.47	-13.00	-32.47	V

LTE FDD Band 25_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.00	-43.94	5.26	3.00	9.88	-39.32	-13.00	-26.32	H
5565.00	-49.46	6.11	3.00	11.36	-44.21	-13.00	-31.21	H
3710.00	-47.57	5.26	3.00	9.88	-42.95	-13.00	-29.95	V
5565.00	-50.86	6.11	3.00	11.36	-45.61	-13.00	-32.61	V

LTE FDD Band 25_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-45.43	5.32	3.00	10.03	-40.72	-13.00	-27.72	H
5647.50	-48.10	6.19	3.00	11.41	-42.88	-13.00	-29.88	H
3765.00	-47.69	5.32	3.00	10.03	-42.98	-13.00	-29.98	V
5647.50	-49.20	6.19	3.00	11.41	-43.98	-13.00	-30.98	V

LTE FDD Band 25_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3820.00	-44.67	5.36	3.00	9.62	-40.41	-13.00	-27.41	H
5730.00	-48.45	6.24	3.00	11.46	-43.23	-13.00	-30.23	H
3820.00	-47.03	5.36	3.00	9.62	-42.77	-13.00	-29.77	V
5730.00	-49.39	6.24	3.00	11.46	-44.17	-13.00	-31.17	V

LTE FDD Band 25_Channel Bandwidth 15MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.00	-44.24	5.26	3.00	9.88	-39.62	-13.00	-26.62	H
5572.50	-50.73	6.11	3.00	11.36	-45.48	-13.00	-32.48	H
3715.00	-47.70	5.26	3.00	9.88	-43.08	-13.00	-30.08	V
5572.50	-51.23	6.11	3.00	11.36	-45.98	-13.00	-32.98	V

LTE FDD Band 25_Channel Bandwidth 15MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-45.54	5.32	3.00	10.03	-40.83	-13.00	-27.83	H
5647.50	-47.84	6.19	3.00	11.41	-42.62	-13.00	-29.62	H
3765.00	-47.94	5.32	3.00	10.03	-43.23	-13.00	-30.23	V
5647.50	-49.31	6.19	3.00	11.41	-44.09	-13.00	-31.09	V

LTE FDD Band 25_Channel Bandwidth 15MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3815.00	-43.77	5.36	3.00	9.62	-39.51	-13.00	-26.51	H
5722.50	-48.16	6.24	3.00	11.46	-42.94	-13.00	-29.94	H
3815.00	-45.70	5.36	3.00	9.62	-41.44	-13.00	-28.44	V
5722.50	-50.59	6.24	3.00	11.46	-45.37	-13.00	-32.37	V

LTE FDD Band 25_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.00	-43.09	5.26	3.00	9.88	-38.47	-13.00	-25.47	H
5572.50	-49.27	6.11	3.00	11.36	-44.02	-13.00	-31.02	H
3715.00	-46.55	5.26	3.00	9.88	-41.93	-13.00	-28.93	V
5572.50	-51.94	6.11	3.00	11.36	-46.69	-13.00	-33.69	V

LTE FDD Band 25_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-43.84	5.32	3.00	10.03	-39.13	-13.00	-26.13	H
5647.50	-47.87	6.19	3.00	11.41	-42.65	-13.00	-29.65	H
3765.00	-47.02	5.32	3.00	10.03	-42.31	-13.00	-29.31	V
5647.50	-51.18	6.19	3.00	11.41	-45.96	-13.00	-32.96	V

LTE FDD Band 25_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3810.00	-42.78	5.36	3.00	9.62	-38.52	-13.00	-25.52	H
5715.00	-46.08	6.24	3.00	11.46	-40.86	-13.00	-27.86	H
3810.00	-46.83	5.36	3.00	9.62	-42.57	-13.00	-29.57	V
5715.00	-51.50	6.24	3.00	11.46	-46.28	-13.00	-33.28	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1629.40	-41.85	3.86	3.00	8.56	-37.15	-13.00	-24.15	H
2444.10	-46.94	4.29	3.00	6.98	-44.25	-13.00	-31.25	H
1629.40	-45.77	3.86	3.00	8.56	-41.07	-13.00	-28.07	V
2444.10	-48.35	4.29	3.00	6.98	-45.66	-13.00	-32.66	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-39.62	3.90	3.00	8.58	-34.94	-13.00	-21.94	H
2457.00	-42.59	4.32	3.00	6.80	-40.11	-13.00	-27.11	H
1638.00	-42.18	3.90	3.00	8.58	-37.50	-13.00	-24.50	V
2457.00	-46.32	4.32	3.00	6.80	-43.84	-13.00	-30.84	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1646.60	-39.65	3.91	3.00	9.06	-34.50	-13.00	-21.50	H
2469.90	-42.94	4.32	3.00	6.65	-40.61	-13.00	-27.61	H
1646.60	-43.48	3.91	3.00	9.06	-38.33	-13.00	-25.33	V
2469.90	-47.91	4.32	3.00	6.65	-45.58	-13.00	-32.58	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1631.00	-42.00	3.86	3.00	8.56	-37.30	-13.00	-24.30	H
2455.50	-45.14	4.29	3.00	6.98	-42.45	-13.00	-29.45	H
1631.00	-44.37	3.86	3.00	8.56	-39.67	-13.00	-26.67	V
2455.50	-48.20	4.29	3.00	6.98	-45.51	-13.00	-32.51	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-39.70	3.90	3.00	8.58	-35.02	-13.00	-22.02	H
2457.00	-42.43	4.32	3.00	6.80	-39.95	-13.00	-26.95	H
1638.00	-44.12	3.90	3.00	8.58	-39.44	-13.00	-26.44	V
2457.00	-45.21	4.32	3.00	6.80	-42.73	-13.00	-29.73	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1645.00	-41.23	3.91	3.00	9.06	-36.08	-13.00	-23.08	H
2467.50	-42.73	4.32	3.00	6.65	-40.40	-13.00	-27.40	H
1645.00	-45.90	3.91	3.00	9.06	-40.75	-13.00	-27.75	V
2467.50	-47.72	4.32	3.00	6.65	-45.39	-13.00	-32.39	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1633.00	-40.75	3.86	3.00	8.56	-36.05	-13.00	-23.05	H
2449.50	-45.45	4.29	3.00	6.98	-42.76	-13.00	-29.76	H
1633.00	-43.37	3.86	3.00	8.56	-38.67	-13.00	-25.67	V
2449.50	-48.19	4.29	3.00	6.98	-45.50	-13.00	-32.50	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-39.48	3.90	3.00	8.58	-34.80	-13.00	-21.80	H
2457.00	-41.76	4.32	3.00	6.80	-39.28	-13.00	-26.28	H
1638.00	-43.45	3.90	3.00	8.58	-38.77	-13.00	-25.77	V
2457.00	-45.54	4.32	3.00	6.80	-43.06	-13.00	-30.06	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1643.00	-39.48	3.91	3.00	9.06	-34.33	-13.00	-21.33	H
2464.50	-42.07	4.32	3.00	6.65	-39.74	-13.00	-26.74	H
1643.00	-44.42	3.91	3.00	9.06	-39.27	-13.00	-26.27	V
2464.50	-47.62	4.32	3.00	6.65	-45.29	-13.00	-32.29	V

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-40.56	3.86	3.00	8.56	-35.86	-13.00	-22.86	H
2457.00	-44.68	4.29	3.00	6.98	-41.99	-13.00	-28.99	H
1638.00	-43.63	3.86	3.00	8.56	-38.93	-13.00	-25.93	V
2457.00	-47.62	4.29	3.00	6.98	-44.93	-13.00	-31.93	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1629.40	-43.51	3.86	3.00	8.56	-38.81	-13.00	-25.81	H
2444.10	-49.24	4.29	3.00	6.98	-46.55	-13.00	-33.55	H
1629.40	-46.73	3.86	3.00	8.56	-42.03	-13.00	-29.03	V
2444.10	-49.66	4.29	3.00	6.98	-46.97	-13.00	-33.97	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-39.72	3.90	3.00	8.58	-35.04	-13.00	-22.04	H
2457.00	-44.12	4.32	3.00	6.80	-41.64	-13.00	-28.64	H
1638.00	-42.67	3.90	3.00	8.58	-37.99	-13.00	-24.99	V
2457.00	-46.60	4.32	3.00	6.80	-44.12	-13.00	-31.12	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1646.60	-41.21	3.91	3.00	9.06	-36.06	-13.00	-23.06	H
2469.90	-42.55	4.32	3.00	6.65	-40.22	-13.00	-27.22	H
1646.60	-45.18	3.91	3.00	9.06	-40.03	-13.00	-27.03	V
2469.90	-47.88	4.32	3.00	6.65	-45.55	-13.00	-32.55	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1631.00	-43.36	3.86	3.00	8.56	-38.66	-13.00	-25.66	H
2455.50	-45.82	4.29	3.00	6.98	-43.13	-13.00	-30.13	H
1631.00	-44.94	3.86	3.00	8.56	-40.24	-13.00	-27.24	V
2455.50	-46.96	4.29	3.00	6.98	-44.27	-13.00	-31.27	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-40.17	3.90	3.00	8.58	-35.49	-13.00	-22.49	H
2457.00	-43.70	4.32	3.00	6.80	-41.22	-13.00	-28.22	H
1638.00	-45.05	3.90	3.00	8.58	-40.37	-13.00	-27.37	V
2457.00	-47.53	4.32	3.00	6.80	-45.05	-13.00	-32.05	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1645.00	-42.06	3.91	3.00	9.06	-36.91	-13.00	-23.91	H
2467.50	-44.57	4.32	3.00	6.65	-42.24	-13.00	-29.24	H
1645.00	-46.27	3.91	3.00	9.06	-41.12	-13.00	-28.12	V
2467.50	-48.59	4.32	3.00	6.65	-46.26	-13.00	-33.26	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1633.00	-42.44	3.86	3.00	8.56	-37.74	-13.00	-24.74	H
2449.50	-45.72	4.29	3.00	6.98	-43.03	-13.00	-30.03	H
1633.00	-44.79	3.86	3.00	8.56	-40.09	-13.00	-27.09	V
2449.50	-47.66	4.29	3.00	6.98	-44.97	-13.00	-31.97	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-39.56	3.90	3.00	8.58	-34.88	-13.00	-21.88	H
2457.00	-43.74	4.32	3.00	6.80	-41.26	-13.00	-28.26	H
1638.00	-44.62	3.90	3.00	8.58	-39.94	-13.00	-26.94	V
2457.00	-46.67	4.32	3.00	6.80	-44.19	-13.00	-31.19	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1643.00	-40.26	3.91	3.00	9.06	-35.11	-13.00	-22.11	H
2464.50	-42.32	4.32	3.00	6.65	-39.99	-13.00	-26.99	H
1643.00	-46.17	3.91	3.00	9.06	-41.02	-13.00	-28.02	V
2464.50	-48.44	4.32	3.00	6.65	-46.11	-13.00	-33.11	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-42.47	3.86	3.00	8.56	-37.77	-13.00	-24.77	H
2457.00	-45.05	4.29	3.00	6.98	-42.36	-13.00	-29.36	H
1638.00	-44.48	3.86	3.00	8.56	-39.78	-13.00	-26.78	V
2457.00	-47.99	4.29	3.00	6.98	-45.30	-13.00	-32.30	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1649.40	-43.56	3.86	3.00	8.56	-38.86	-13.00	-25.86	H
2474.10	-46.02	4.29	3.00	6.98	-43.33	-13.00	-30.33	H
1649.40	-41.25	3.86	3.00	8.56	-36.55	-13.00	-23.55	V
2474.10	-41.80	4.29	3.00	6.98	-39.11	-13.00	-26.11	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-42.59	3.90	3.00	8.58	-37.91	-13.00	-24.91	H
2509.50	-43.59	4.32	3.00	6.80	-41.11	-13.00	-28.11	H
1673.00	-40.24	3.90	3.00	8.58	-35.56	-13.00	-22.56	V
2509.50	-41.36	4.32	3.00	6.80	-38.88	-13.00	-25.88	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1696.60	-43.33	3.91	3.00	9.06	-38.18	-13.00	-25.18	H
2544.90	-42.36	4.32	3.00	6.65	-40.03	-13.00	-27.03	H
1696.60	-40.71	3.91	3.00	9.06	-35.56	-13.00	-22.56	V
2544.90	-41.13	4.32	3.00	6.65	-38.80	-13.00	-25.80	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1651.00	-41.94	3.86	3.00	8.56	-37.24	-13.00	-24.24	H
2476.50	-40.85	4.29	3.00	6.98	-38.16	-13.00	-25.16	H
1651.00	-40.66	3.86	3.00	8.56	-35.96	-13.00	-22.96	V
2476.50	-42.92	4.29	3.00	6.98	-40.23	-13.00	-27.23	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-42.76	3.90	3.00	8.58	-38.08	-13.00	-25.08	H
2509.50	-42.79	4.32	3.00	6.80	-40.31	-13.00	-27.31	H
1673.00	-41.34	3.90	3.00	8.58	-36.66	-13.00	-23.66	V
2509.50	-41.41	4.32	3.00	6.80	-38.93	-13.00	-25.93	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1695.00	-44.44	3.91	3.00	9.06	-39.29	-13.00	-26.29	H
2542.50	-42.57	4.32	3.00	6.65	-40.24	-13.00	-27.24	H
1695.00	-43.33	3.91	3.00	9.06	-38.18	-13.00	-25.18	V
2542.50	-43.44	4.32	3.00	6.65	-41.11	-13.00	-28.11	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1653.00	-44.96	3.86	3.00	8.56	-40.26	-13.00	-27.26	H
2479.50	-43.86	4.29	3.00	6.98	-41.17	-13.00	-28.17	H
1653.00	-42.88	3.86	3.00	8.56	-38.18	-13.00	-25.18	V
2479.50	-43.02	4.29	3.00	6.98	-40.33	-13.00	-27.33	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-40.67	3.90	3.00	8.58	-35.99	-13.00	-22.99	H
2509.50	-43.11	4.32	3.00	6.80	-40.63	-13.00	-27.63	H
1673.00	-42.94	3.90	3.00	8.58	-38.26	-13.00	-25.26	V
2509.50	-44.70	4.32	3.00	6.80	-42.22	-13.00	-29.22	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1693.00	-43.70	3.91	3.00	9.06	-38.55	-13.00	-25.55	H
2539.50	-45.33	4.32	3.00	6.65	-43.00	-13.00	-30.00	H
1693.00	-41.26	3.91	3.00	9.06	-36.11	-13.00	-23.11	V
2539.50	-42.69	4.32	3.00	6.65	-40.36	-13.00	-27.36	V

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1658.00	-41.95	3.86	3.00	8.56	-37.25	-13.00	-24.25	H
2487.00	-42.08	4.29	3.00	6.98	-39.39	-13.00	-26.39	H
1658.00	-40.26	3.86	3.00	8.56	-35.56	-13.00	-22.56	V
2487.00	-40.87	4.29	3.00	6.98	-38.18	-13.00	-25.18	V

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-43.74	3.90	3.00	8.58	-39.06	-13.00	-26.06	H
2509.50	-47.53	4.32	3.00	6.80	-45.05	-13.00	-32.05	H
1673.00	-39.68	3.90	3.00	8.58	-35.00	-13.00	-22.00	V
2509.50	-41.42	4.32	3.00	6.80	-38.94	-13.00	-25.94	V

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1688.00	-43.23	3.91	3.00	9.06	-38.08	-13.00	-25.08	H
2532.00	-44.57	4.32	3.00	6.65	-42.24	-13.00	-29.24	H
1688.00	-41.84	3.91	3.00	9.06	-36.69	-13.00	-23.69	V
2532.00	-43.10	4.32	3.00	6.65	-40.77	-13.00	-27.77	V

LTE FDD Band 26_Channel Bandwidth 15MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1663.00	-43.52	3.86	3.00	8.56	-38.82	-13.00	-25.82	H
2494.50	-42.12	4.29	3.00	6.98	-39.43	-13.00	-26.43	H
1663.00	-40.25	3.86	3.00	8.56	-35.55	-13.00	-22.55	V
2494.50	-41.63	4.29	3.00	6.98	-38.94	-13.00	-25.94	V

LTE FDD Band 26_Channel Bandwidth 15MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-45.32	3.90	3.00	8.58	-40.64	-13.00	-27.64	H
2509.50	-44.70	4.32	3.00	6.80	-42.22	-13.00	-29.22	H
1673.00	-43.16	3.90	3.00	8.58	-38.48	-13.00	-25.48	V
2509.50	-45.61	4.32	3.00	6.80	-43.13	-13.00	-30.13	V

LTE FDD Band 26_Channel Bandwidth 15MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1683.00	-42.92	3.91	3.00	9.06	-37.77	-13.00	-24.77	H
2524.50	-44.45	4.32	3.00	6.65	-42.12	-13.00	-29.12	H
1683.00	-41.81	3.91	3.00	9.06	-36.66	-13.00	-23.66	V
2524.50	-41.52	4.32	3.00	6.65	-39.19	-13.00	-26.19	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1649.40	-43.61	3.86	3.00	8.56	-38.91	-13.00	-25.91	H
2474.10	-46.68	4.29	3.00	6.98	-43.99	-13.00	-30.99	H
1649.40	-41.96	3.86	3.00	8.56	-37.26	-13.00	-24.26	V
2474.10	-44.81	4.29	3.00	6.98	-42.12	-13.00	-29.12	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-43.70	3.90	3.00	8.58	-39.02	-13.00	-26.02	H
2509.50	-44.70	4.32	3.00	6.80	-42.22	-13.00	-29.22	H
1673.00	-43.45	3.90	3.00	8.58	-38.77	-13.00	-25.77	V
2509.50	-42.81	4.32	3.00	6.80	-40.33	-13.00	-27.33	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1696.60	-45.18	3.91	3.00	9.06	-40.03	-13.00	-27.03	H
2544.90	-43.44	4.32	3.00	6.65	-41.11	-13.00	-28.11	H
1696.60	-43.33	3.91	3.00	9.06	-38.18	-13.00	-25.18	V
2544.90	-42.29	4.32	3.00	6.65	-39.96	-13.00	-26.96	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1651.00	-42.76	3.86	3.00	8.56	-38.06	-13.00	-25.06	H
2476.50	-42.85	4.29	3.00	6.98	-40.16	-13.00	-27.16	H
1651.00	-41.69	3.86	3.00	8.56	-36.99	-13.00	-23.99	V
2476.50	-42.80	4.29	3.00	6.98	-40.11	-13.00	-27.11	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-44.59	3.90	3.00	8.58	-39.91	-13.00	-26.91	H
2509.50	-44.70	4.32	3.00	6.80	-42.22	-13.00	-29.22	H
1673.00	-42.43	3.90	3.00	8.58	-37.75	-13.00	-24.75	V
2509.50	-42.84	4.32	3.00	6.80	-40.36	-13.00	-27.36	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1695.00	-45.13	3.91	3.00	9.06	-39.98	-13.00	-26.98	H
2542.50	-43.10	4.32	3.00	6.65	-40.77	-13.00	-27.77	H
1695.00	-44.81	3.91	3.00	9.06	-39.66	-13.00	-26.66	V
2542.50	-45.88	4.32	3.00	6.65	-43.55	-13.00	-30.55	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1653.00	-45.49	3.86	3.00	8.56	-40.79	-13.00	-27.79	H
2479.50	-45.82	4.29	3.00	6.98	-43.13	-13.00	-30.13	H
1653.00	-43.58	3.86	3.00	8.56	-38.88	-13.00	-25.88	V
2479.50	-45.75	4.29	3.00	6.98	-43.06	-13.00	-30.06	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-41.50	3.90	3.00	8.58	-36.82	-13.00	-23.82	H
2509.50	-43.36	4.32	3.00	6.80	-40.88	-13.00	-27.88	H
1673.00	-40.24	3.90	3.00	8.58	-35.56	-13.00	-22.56	V
2509.50	-44.50	4.32	3.00	6.80	-42.02	-13.00	-29.02	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1693.00	-45.16	3.91	3.00	9.06	-40.01	-13.00	-27.01	H
2539.50	-44.88	4.32	3.00	6.65	-42.55	-13.00	-29.55	H
1693.00	-44.00	3.91	3.00	9.06	-38.85	-13.00	-25.85	V
2539.50	-43.45	4.32	3.00	6.65	-41.12	-13.00	-28.12	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1658.00	-44.30	3.86	3.00	8.56	-39.60	-13.00	-26.60	H
2487.00	-43.51	4.29	3.00	6.98	-40.82	-13.00	-27.82	H
1658.00	-41.58	3.86	3.00	8.56	-36.88	-13.00	-23.88	V
2487.00	-40.70	4.29	3.00	6.98	-38.01	-13.00	-25.01	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-46.42	3.90	3.00	8.58	-41.74	-13.00	-28.74	H
2509.50	-46.52	4.32	3.00	6.80	-44.04	-13.00	-31.04	H
1673.00	-42.84	3.90	3.00	8.58	-38.16	-13.00	-25.16	V
2509.50	-42.81	4.32	3.00	6.80	-40.33	-13.00	-27.33	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1688.00	-44.41	3.91	3.00	9.06	-39.26	-13.00	-26.26	H
2532.00	-45.71	4.32	3.00	6.65	-43.38	-13.00	-30.38	H
1688.00	-42.94	3.91	3.00	9.06	-37.79	-13.00	-24.79	V
2532.00	-43.66	4.32	3.00	6.65	-41.33	-13.00	-28.33	V

LTE FDD Band 26_Channel Bandwidth 15MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1663.00	-43.99	3.86	3.00	8.56	-39.29	-13.00	-26.29	H
2494.50	-43.83	4.29	3.00	6.98	-41.14	-13.00	-28.14	H
1663.00	-41.96	3.86	3.00	8.56	-37.26	-13.00	-24.26	V
2494.50	-42.71	4.29	3.00	6.98	-40.02	-13.00	-27.02	V

LTE FDD Band 26_Channel Bandwidth 15MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-45.55	3.90	3.00	8.58	-40.87	-13.00	-27.87	H
2509.50	-45.09	4.32	3.00	6.80	-42.61	-13.00	-29.61	H
1673.00	-43.87	3.90	3.00	8.58	-39.19	-13.00	-26.19	V
2509.50	-46.36	4.32	3.00	6.80	-43.88	-13.00	-30.88	V

LTE FDD Band 26_Channel Bandwidth 15MHz_16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1683.00	-43.63	3.91	3.00	9.06	-38.48	-13.00	-25.48	H
2524.50	-45.36	4.32	3.00	6.65	-43.03	-13.00	-30.03	H
1683.00	-43.03	3.91	3.00	9.06	-37.88	-13.00	-24.88	V
2524.50	-42.57	4.32	3.00	6.65	-40.24	-13.00	-27.24	V

LTE FDD Band 30_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4615.00	-41.36	6.87	3.00	9.88	-38.35	-13.00	-25.35	H
6922.50	-47.25	7.66	3.00	11.36	-43.55	-13.00	-30.55	H
4615.00	-44.00	6.87	3.00	9.88	-40.99	-13.00	-27.99	V
6922.50	-50.33	7.66	3.00	11.36	-46.63	-13.00	-33.63	V

LTE FDD Band 30_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4620.00	-39.98	6.93	3.00	10.03	-36.88	-13.00	-23.88	H
6930.00	-44.18	7.81	3.00	11.41	-40.58	-13.00	-27.58	H
4620.00	-44.49	6.93	3.00	10.03	-41.39	-13.00	-28.39	V
6930.00	-47.83	7.81	3.00	11.41	-44.23	-13.00	-31.23	V

LTE FDD Band 30_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4625.00	-39.43	7.03	3.00	9.62	-36.84	-13.00	-23.84	H
6937.50	-44.19	7.96	3.00	11.46	-40.69	-13.00	-27.69	H
4625.00	-45.04	7.03	3.00	9.62	-42.45	-13.00	-29.45	V
6937.50	-50.11	7.96	3.00	11.46	-46.61	-13.00	-33.61	V

LTE FDD Band 30_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4620.00	-40.83	6.87	3.00	9.88	-37.82	-13.00	-24.82	H
6930.00	-46.60	7.66	3.00	11.36	-42.90	-13.00	-29.90	H
4620.00	-44.39	6.87	3.00	9.88	-41.38	-13.00	-28.38	V
6930.00	-49.77	7.66	3.00	11.36	-46.07	-13.00	-33.07	V

LTE FDD Band 30_Channel Bandwidth 5MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4615.00	-41.30	6.87	3.00	9.88	-38.29	-13.00	-25.29	H
6922.50	-47.36	7.66	3.00	11.36	-43.66	-13.00	-30.66	H
4615.00	-43.87	6.87	3.00	9.88	-40.86	-13.00	-27.86	V
6922.50	-50.27	7.66	3.00	11.36	-46.57	-13.00	-33.57	V

LTE FDD Band 30_Channel Bandwidth 5MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4620.00	-40.16	6.93	3.00	10.03	-37.06	-13.00	-24.06	H
6930.00	-44.26	7.81	3.00	11.41	-40.66	-13.00	-27.66	H
4620.00	-44.29	6.93	3.00	10.03	-41.19	-13.00	-28.19	V
6930.00	-47.97	7.81	3.00	11.41	-44.37	-13.00	-31.37	V

LTE FDD Band 30_Channel Bandwidth 5MHz_16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4625.00	-39.52	7.03	3.00	9.62	-36.93	-13.00	-23.93	H
6937.50	-44.46	7.96	3.00	11.46	-40.96	-13.00	-27.96	H
4625.00	-45.26	7.03	3.00	9.62	-42.67	-13.00	-29.67	V
6937.50	-49.80	7.96	3.00	11.46	-46.30	-13.00	-33.30	V

LTE FDD Band 30_Channel Bandwidth 10MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4620.00	-40.97	6.87	3.00	9.88	-37.96	-13.00	-24.96	H
6930.00	-46.61	7.66	3.00	11.36	-42.91	-13.00	-29.91	H
4620.00	-44.58	6.87	3.00	9.88	-41.57	-13.00	-28.57	V
6930.00	-49.80	7.66	3.00	11.36	-46.10	-13.00	-33.10	V

LTE TDD Band 41_Channel Bandwidth 5MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4997.00	-41.00	7.15	3.00	9.88	-38.27	-13.00	-25.27	H
7495.50	-47.29	8.36	3.00	11.36	-44.29	-13.00	-31.29	H
4997.00	-43.86	7.15	3.00	9.88	-41.13	-13.00	-28.13	V
7495.50	-50.31	8.36	3.00	11.36	-47.31	-13.00	-34.31	V

LTE TDD Band 41_Channel Bandwidth 5MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.00	-40.03	7.26	3.00	10.03	-37.26	-13.00	-24.26	H
7779.00	-44.26	8.48	3.00	11.41	-41.33	-13.00	-28.33	H
5186.00	-44.19	7.26	3.00	10.03	-41.42	-13.00	-28.42	V
7779.00	-47.81	8.48	3.00	11.41	-44.88	-13.00	-31.88	V

LTE TDD Band 41_Channel Bandwidth 5MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5375.00	-39.47	7.17	3.00	9.62	-37.02	-13.00	-24.02	H
8062.50	-44.55	8.39	3.00	11.46	-41.48	-13.00	-28.48	H
5375.00	-45.15	7.17	3.00	9.62	-42.70	-13.00	-29.70	V
8062.50	-49.81	8.39	3.00	11.46	-46.74	-13.00	-33.74	V

LTE TDD Band 41_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4982.00	-40.95	7.15	3.00	9.88	-36.33	-13.00	-23.33	H
7473.00	-46.49	8.36	3.00	11.36	-41.24	-13.00	-28.24	H
4982.00	-44.47	7.15	3.00	9.88	-39.85	-13.00	-26.85	V
7473.00	-49.65	8.36	3.00	11.36	-44.40	-13.00	-31.40	V

LTE TDD Band 41_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.00	-40.17	7.26	3.00	10.03	-37.40	-13.00	-24.40	H
7779.00	-47.28	8.48	3.00	11.41	-44.35	-13.00	-31.35	H
5186.00	-43.48	7.26	3.00	10.03	-40.71	-13.00	-27.71	V
7779.00	-47.43	8.48	3.00	11.41	-44.50	-13.00	-31.50	V

LTE TDD Band 41_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5370.00	-41.01	7.17	3.00	9.62	-38.56	-13.00	-25.56	H
8055.00	-47.08	8.39	3.00	11.46	-44.01	-13.00	-31.01	H
5370.00	-43.82	7.17	3.00	9.62	-41.37	-13.00	-28.37	V
8055.00	-49.53	8.39	3.00	11.46	-46.46	-13.00	-33.46	V

LTE TDD Band 41_Channel Bandwidth 15MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5007.00	-41.80	7.15	3.00	9.88	-39.07	-13.00	-26.07	H
7510.50	-46.76	8.36	3.00	11.36	-43.76	-13.00	-30.76	H
5007.00	-42.51	7.15	3.00	9.88	-39.78	-13.00	-26.78	V
7510.50	-49.80	8.36	3.00	11.36	-46.80	-13.00	-33.80	V

LTE TDD Band 41_Channel Bandwidth 15MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.00	-40.18	7.26	3.00	10.03	-37.41	-13.00	-24.41	H
7779.00	-45.78	8.48	3.00	11.41	-42.85	-13.00	-29.85	H
5186.00	-43.71	7.26	3.00	10.03	-40.94	-13.00	-27.94	V
7779.00	-47.40	8.48	3.00	11.41	-44.47	-13.00	-31.47	V

LTE TDD Band 41_Channel Bandwidth 15MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5365.00	-41.21	7.17	3.00	9.62	-38.76	-13.00	-25.76	H
8047.00	-46.95	8.39	3.00	11.46	-43.88	-13.00	-30.88	H
5365.00	-44.06	7.17	3.00	9.62	-41.61	-13.00	-28.61	V
8047.00	-48.70	8.39	3.00	11.46	-45.63	-13.00	-32.63	V

LTE TDD Band 41_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5012.00	-40.11	7.15	3.00	9.88	-37.38	-13.00	-24.38	H
7518.00	-45.50	8.36	3.00	11.36	-42.50	-13.00	-29.50	H
5012.00	-42.59	7.15	3.00	9.88	-39.86	-13.00	-26.86	V
7518.00	-47.59	8.36	3.00	11.36	-44.59	-13.00	-31.59	V

LTE TDD Band 41_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.00	-40.43	7.26	3.00	10.03	-37.66	-13.00	-24.66	H
7779.00	-45.25	8.48	3.00	11.41	-42.32	-13.00	-29.32	H
5186.00	-43.94	7.26	3.00	10.03	-41.17	-13.00	-28.17	V
7779.00	-47.48	8.48	3.00	11.41	-44.55	-13.00	-31.55	V

LTE TDD Band 41_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5360.00	-42.08	7.17	3.00	9.62	-39.63	-13.00	-26.63	H
8040.00	-45.63	8.39	3.00	11.46	-42.56	-13.00	-29.56	H
5360.00	-43.03	7.17	3.00	9.62	-40.58	-13.00	-27.58	V
8040.00	-47.52	8.39	3.00	11.46	-44.45	-13.00	-31.45	V

LTE TDD Band 41_Channel Bandwidth 5MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4997.00	-41.05	7.15	3.00	9.88	-38.32	-13.00	-25.32	H
7495.50	-47.30	8.36	3.00	11.36	-44.30	-13.00	-31.30	H
4997.00	-43.98	7.15	3.00	9.88	-41.25	-13.00	-28.25	V
7495.50	-50.19	8.36	3.00	11.36	-47.19	-13.00	-34.19	V

LTE TDD Band 41_Channel Bandwidth 5MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.00	-40.06	7.26	3.00	10.03	-37.29	-13.00	-24.29	H
7779.00	-43.97	8.48	3.00	11.41	-41.04	-13.00	-28.04	H
5186.00	-44.11	7.26	3.00	10.03	-41.34	-13.00	-28.34	V
7779.00	-47.72	8.48	3.00	11.41	-44.79	-13.00	-31.79	V

LTE TDD Band 41_Channel Bandwidth 5MHz_16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5375.00	-39.62	7.17	3.00	9.62	-37.17	-13.00	-24.17	H
8062.50	-44.34	8.39	3.00	11.46	-41.27	-13.00	-28.27	H
5375.00	-45.29	7.17	3.00	9.62	-42.84	-13.00	-29.84	V
8062.50	-50.09	8.39	3.00	11.46	-47.02	-13.00	-34.02	V

LTE TDD Band 41_Channel Bandwidth 10MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4982.00	-40.90	7.15	3.00	9.88	-38.17	-13.00	-25.17	H
7473.00	-46.53	8.36	3.00	11.36	-43.53	-13.00	-30.53	H
4982.00	-44.61	7.15	3.00	9.88	-41.88	-13.00	-28.88	V
7473.00	-49.80	8.36	3.00	11.36	-46.80	-13.00	-33.80	V

LTE TDD Band 41_Channel Bandwidth 10MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.00	-39.90	7.26	3.00	10.03	-37.13	-13.00	-24.13	H
7779.00	-47.27	8.48	3.00	11.41	-44.34	-13.00	-31.34	H
5186.00	-43.35	7.26	3.00	10.03	-40.58	-13.00	-27.58	V
7779.00	-47.44	8.48	3.00	11.41	-44.51	-13.00	-31.51	V

LTE TDD Band 41_Channel Bandwidth 10MHz_16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5370.00	-41.20	7.17	3.00	9.62	-38.75	-13.00	-25.75	H
8055.00	-47.06	8.39	3.00	11.46	-43.99	-13.00	-30.99	H
5370.00	-43.96	7.17	3.00	9.62	-41.51	-13.00	-28.51	V
8055.00	-49.23	8.39	3.00	11.46	-46.16	-13.00	-33.16	V

LTE TDD Band 41_Channel Bandwidth 15MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5007.00	-41.60	7.15	3.00	9.88	-38.87	-13.00	-25.87	H
7510.50	-46.51	8.36	3.00	11.36	-43.51	-13.00	-30.51	H
5007.00	-42.69	7.15	3.00	9.88	-39.96	-13.00	-26.96	V
7510.50	-49.65	8.36	3.00	11.36	-46.65	-13.00	-33.65	V

LTE TDD Band 41_Channel Bandwidth 15MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.00	-40.25	7.26	3.00	10.03	-37.48	-13.00	-24.48	H
7779.00	-45.64	8.48	3.00	11.41	-42.71	-13.00	-29.71	H
5186.00	-43.83	7.26	3.00	10.03	-41.06	-13.00	-28.06	V
7779.00	-47.25	8.48	3.00	11.41	-44.32	-13.00	-31.32	V

LTE TDD Band 41_Channel Bandwidth 15MHz_16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5365.00	-41.22	7.17	3.00	9.62	-38.77	-13.00	-25.77	H
8047.00	-46.81	8.39	3.00	11.46	-43.74	-13.00	-30.74	H
5365.00	-44.21	7.17	3.00	9.62	-41.76	-13.00	-28.76	V
8047.00	-48.62	8.39	3.00	11.46	-45.55	-13.00	-32.55	V

LTE TDD Band 41_Channel Bandwidth 20MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5012.00	-40.21	7.15	3.00	9.88	-37.48	-13.00	-24.48	H
7518.00	-45.57	8.36	3.00	11.36	-42.57	-13.00	-29.57	H
5012.00	-42.36	7.15	3.00	9.88	-39.63	-13.00	-26.63	V
7518.00	-47.61	8.36	3.00	11.36	-44.61	-13.00	-31.61	V

LTE TDD Band 41_Channel Bandwidth 20MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.00	-40.43	7.26	3.00	10.03	-37.66	-13.00	-24.66	H
7779.00	-45.31	8.48	3.00	11.41	-42.38	-13.00	-29.38	H
5186.00	-44.03	7.26	3.00	10.03	-41.26	-13.00	-28.26	V
7779.00	-47.71	8.48	3.00	11.41	-44.78	-13.00	-31.78	V

LTE TDD Band 41_Channel Bandwidth 20MHz_16QAM_ High Channel

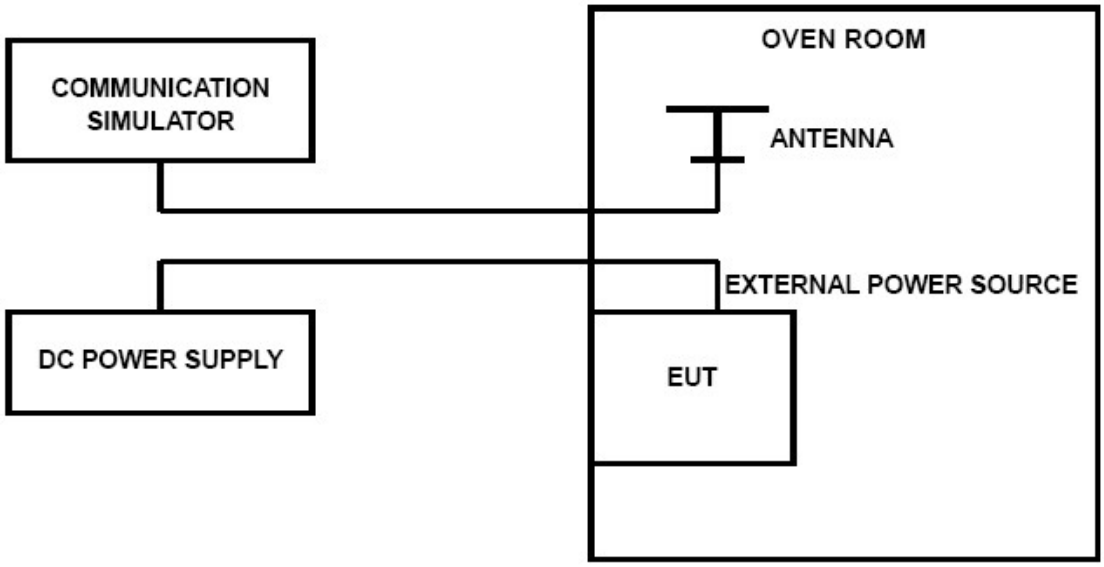
Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5360.00	-42.05	7.17	3.00	9.62	-39.60	-13.00	-26.60	H
8040.00	-45.48	8.39	3.00	11.46	-42.41	-13.00	-29.41	H
5360.00	-42.82	7.17	3.00	9.62	-40.37	-13.00	-27.37	V
8040.00	-47.71	8.39	3.00	11.46	-44.64	-13.00	-31.64	V

4.7 Frequency Stability under Temperature & Voltage Variations

LIMIT

According to FCC §2.1055, §24.235§27.54 and §90.213 requirement, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation and should not exceed 2.5ppm.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to ANSI C63.26.

Frequency Stability Under Temperature Variations:
In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of R&S CMW500 DIGITAL RADIO COMMUNICATION TESTER.
1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30℃.
3. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on middle channel for LTE band 2/4/5/12/13/25/26/30/41, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10℃ increments from -30℃ to +50℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50℃.
7. With the EUT, powered via nominal voltage, connected to the CMW500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 ℃ increments from +50℃ to -30℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements
9. At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure.

Frequency Stability Under Voltage Variations:
Set chamber temperature to 20℃. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

TEST RESULTS

Remark:

1. We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 30 and LTE TDD Band 41;

LTE Band 2, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 2					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	13	0.007	2.50	PASS
120	20	11	0.006	2.50	PASS
132	20	55	0.029	2.50	PASS
120	-30	10	0.005	2.50	PASS
120	-20	45	0.024	2.50	PASS
120	-10	99	0.053	2.50	PASS
120	0	73	0.039	2.50	PASS
120	10	66	0.035	2.50	PASS
120	20	74	0.039	2.50	PASS
120	30	34	0.018	2.50	PASS
120	40	53	0.028	2.50	PASS
120	50	67	0.036	2.50	PASS

LTE Band 2, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 2					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	10	0.005	2.50	PASS
120	20	8	0.004	2.50	PASS
132	20	74	0.039	2.50	PASS
120	-30	84	0.045	2.50	PASS
120	-20	10	0.005	2.50	PASS
120	-10	57	0.030	2.50	PASS
120	0	70	0.037	2.50	PASS
120	10	67	0.036	2.50	PASS
120	20	93	0.049	2.50	PASS
120	30	61	0.032	2.50	PASS
120	40	60	0.032	2.50	PASS
120	50	86	0.046	2.50	PASS

LTE Band 4, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 4					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	38	0.022	2.50	PASS
120	20	67	0.039	2.50	PASS
132	20	89	0.051	2.50	PASS
120	-30	97	0.056	2.50	PASS
120	-20	21	0.012	2.50	PASS
120	-10	47	0.027	2.50	PASS
120	0	57	0.033	2.50	PASS
120	10	67	0.039	2.50	PASS
120	20	61	0.035	2.50	PASS
120	30	5	0.003	2.50	PASS
120	40	53	0.031	2.50	PASS
120	50	81	0.047	2.50	PASS

LTE Band 4, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 4					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	34	0.020	2.50	PASS
120	20	87	0.050	2.50	PASS
132	20	67	0.039	2.50	PASS
120	-30	77	0.044	2.50	PASS
120	-20	59	0.034	2.50	PASS
120	-10	37	0.021	2.50	PASS
120	0	93	0.054	2.50	PASS
120	10	82	0.047	2.50	PASS
120	20	59	0.034	2.50	PASS
120	30	44	0.025	2.50	PASS
120	40	37	0.021	2.50	PASS
120	50	93	0.054	2.50	PASS

LTE Band 5, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 5					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	59	0.071	2.50	PASS
120	20	22	0.026	2.50	PASS
132	20	74	0.088	2.50	PASS
120	-30	47	0.056	2.50	PASS
120	-20	76	0.091	2.50	PASS
120	-10	95	0.114	2.50	PASS
120	0	2	0.002	2.50	PASS
120	10	9	0.011	2.50	PASS
120	20	70	0.084	2.50	PASS
120	30	32	0.038	2.50	PASS
120	40	8	0.010	2.50	PASS
120	50	75	0.090	2.50	PASS

LTE Band 5, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 5					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	87	0.104	2.50	PASS
120	20	10	0.012	2.50	PASS
132	20	71	0.085	2.50	PASS
120	-30	73	0.087	2.50	PASS
120	-20	9	0.011	2.50	PASS
120	-10	95	0.114	2.50	PASS
120	0	27	0.032	2.50	PASS
120	10	28	0.033	2.50	PASS
120	20	7	0.008	2.50	PASS
120	30	97	0.116	2.50	PASS
120	40	60	0.072	2.50	PASS
120	50	28	0.033	2.50	PASS

LTE Band 12, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 12					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	12	0.017	2.50	PASS
120	20	76	0.107	2.50	PASS
132	20	68	0.096	2.50	PASS
120	-30	84	0.119	2.50	PASS
120	-20	27	0.038	2.50	PASS
120	-10	38	0.054	2.50	PASS
120	0	75	0.106	2.50	PASS
120	10	4	0.006	2.50	PASS
120	20	6	0.008	2.50	PASS
120	30	14	0.020	2.50	PASS
120	40	97	0.137	2.50	PASS
120	50	87	0.123	2.50	PASS

LTE Band 12, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 12					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	71	0.100	2.50	PASS
120	20	83	0.117	2.50	PASS
132	20	68	0.096	2.50	PASS
120	-30	61	0.086	2.50	PASS
120	-20	17	0.024	2.50	PASS
120	-10	4	0.006	2.50	PASS
120	0	26	0.037	2.50	PASS
120	10	56	0.079	2.50	PASS
120	20	73	0.103	2.50	PASS
120	30	68	0.096	2.50	PASS
120	40	72	0.102	2.50	PASS
120	50	16	0.023	2.50	PASS

LTE Band 13, 5MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 13					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	66	0.084	2.50	PASS
120	20	32	0.041	2.50	PASS
132	20	84	0.107	2.50	PASS
120	-30	73	0.093	2.50	PASS
120	-20	44	0.056	2.50	PASS
120	-10	46	0.059	2.50	PASS
120	0	87	0.111	2.50	PASS
120	10	72	0.092	2.50	PASS
120	20	99	0.127	2.50	PASS
120	30	28	0.036	2.50	PASS
120	40	86	0.110	2.50	PASS
120	50	74	0.095	2.50	PASS

LTE Band 13, 5MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 13					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	92	0.118	2.50	PASS
120	20	30	0.038	2.50	PASS
132	20	64	0.082	2.50	PASS
120	-30	93	0.119	2.50	PASS
120	-20	8	0.010	2.50	PASS
120	-10	71	0.091	2.50	PASS
120	0	89	0.114	2.50	PASS
120	10	65	0.083	2.50	PASS
120	20	86	0.110	2.50	PASS
120	30	30	0.038	2.50	PASS
120	40	10	0.013	2.50	PASS
120	50	33	0.042	2.50	PASS

LTE Band 25, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 25					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	54	0.029	2.50	PASS
120	20	47	0.025	2.50	PASS
132	20	22	0.012	2.50	PASS
120	-30	81	0.043	2.50	PASS
120	-20	21	0.011	2.50	PASS
120	-10	45	0.024	2.50	PASS
120	0	50	0.027	2.50	PASS
120	10	44	0.023	2.50	PASS
120	20	76	0.040	2.50	PASS
120	30	21	0.011	2.50	PASS
120	40	35	0.019	2.50	PASS
120	50	29	0.015	2.50	PASS

LTE Band 25, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 25					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	51	0.027	2.50	PASS
120	20	43	0.023	2.50	PASS
132	20	13	0.007	2.50	PASS
120	-30	98	0.052	2.50	PASS
120	-20	13	0.007	2.50	PASS
120	-10	59	0.031	2.50	PASS
120	0	36	0.019	2.50	PASS
120	10	70	0.037	2.50	PASS
120	20	13	0.007	2.50	PASS
120	30	27	0.014	2.50	PASS
120	40	8	0.004	2.50	PASS
120	50	81	0.043	2.50	PASS

LTE Band 26 <814 – 824 MHz>, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 26					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	29	0.035	2.50	PASS
120	20	36	0.044	2.50	PASS
132	20	9	0.011	2.50	PASS
120	-30	64	0.078	2.50	PASS
120	-20	41	0.050	2.50	PASS
120	-10	30	0.037	2.50	PASS
120	0	47	0.057	2.50	PASS
120	10	58	0.071	2.50	PASS
120	20	80	0.098	2.50	PASS
120	30	73	0.089	2.50	PASS
120	40	63	0.077	2.50	PASS
120	50	46	0.056	2.50	PASS

LTE Band 26 <814 – 824 MHz>, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 26					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	40	0.049	2.50	PASS
120	20	33	0.040	2.50	PASS
132	20	34	0.042	2.50	PASS
120	-30	30	0.037	2.50	PASS
120	-20	56	0.068	2.50	PASS
120	-10	29	0.035	2.50	PASS
120	0	33	0.040	2.50	PASS
120	10	76	0.093	2.50	PASS
120	20	43	0.053	2.50	PASS
120	30	47	0.057	2.50	PASS
120	40	10	0.012	2.50	PASS
120	50	77	0.094	2.50	PASS

LTE Band 26 <824 – 849 MHz>, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 26					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	16	0.019	2.50	PASS
120	20	36	0.043	2.50	PASS
132	20	44	0.053	2.50	PASS
120	-30	91	0.109	2.50	PASS
120	-20	27	0.032	2.50	PASS
120	-10	22	0.026	2.50	PASS
120	0	9	0.011	2.50	PASS
120	10	17	0.020	2.50	PASS
120	20	22	0.026	2.50	PASS
120	30	55	0.066	2.50	PASS
120	40	37	0.044	2.50	PASS
120	50	47	0.056	2.50	PASS

LTE Band 26 <824 – 849 MHz>, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 26					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	71	0.085	2.50	PASS
120	20	26	0.031	2.50	PASS
132	20	9	0.011	2.50	PASS
120	-30	17	0.020	2.50	PASS
120	-20	43	0.051	2.50	PASS
120	-10	49	0.059	2.50	PASS
120	0	57	0.068	2.50	PASS
120	10	25	0.030	2.50	PASS
120	20	46	0.055	2.50	PASS
120	30	53	0.063	2.50	PASS
120	40	29	0.035	2.50	PASS
120	50	75	0.090	2.50	PASS

LTE Band 30, 5MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 30					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	88	0.038	2.50	PASS
120	20	46	0.020	2.50	PASS
132	20	89	0.039	2.50	PASS
120	-30	24	0.010	2.50	PASS
120	-20	19	0.008	2.50	PASS
120	-10	73	0.032	2.50	PASS
120	0	79	0.034	2.50	PASS
120	10	87	0.038	2.50	PASS
120	20	74	0.032	2.50	PASS
120	30	87	0.038	2.50	PASS
120	40	80	0.035	2.50	PASS
120	50	37	0.016	2.50	PASS

LTE Band 30, 5MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 30					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	16	0.007	2.50	PASS
120	20	52	0.023	2.50	PASS
132	20	22	0.010	2.50	PASS
120	-30	68	0.029	2.50	PASS
120	-20	86	0.037	2.50	PASS
120	-10	12	0.005	2.50	PASS
120	0	11	0.005	2.50	PASS
120	10	67	0.029	2.50	PASS
120	20	37	0.016	2.50	PASS
120	30	59	0.026	2.50	PASS
120	40	96	0.042	2.50	PASS
120	50	99	0.043	2.50	PASS

LTE Band 41, 5MHz bandwidth, QPSK (worst case of all bandwidths)

LTE TDD Band 41					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	41	0.016	2.50	PASS
120	20	85	0.033	2.50	PASS
132	20	26	0.010	2.50	PASS
120	-30	29	0.011	2.50	PASS
120	-20	61	0.024	2.50	PASS
120	-10	73	0.028	2.50	PASS
120	0	59	0.023	2.50	PASS
120	10	63	0.024	2.50	PASS
120	20	50	0.019	2.50	PASS
120	30	97	0.037	2.50	PASS
120	40	90	0.035	2.50	PASS
120	50	85	0.033	2.50	PASS

LTE Band 41, 5MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE TDD Band 41					
AC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
108	20	66	0.025	2.50	PASS
120	20	14	0.005	2.50	PASS
132	20	91	0.035	2.50	PASS
120	-30	68	0.026	2.50	PASS
120	-20	88	0.034	2.50	PASS
120	-10	67	0.026	2.50	PASS
120	0	83	0.032	2.50	PASS
120	10	18	0.007	2.50	PASS
120	20	27	0.010	2.50	PASS
120	30	88	0.034	2.50	PASS
120	40	58	0.022	2.50	PASS
120	50	18	0.007	2.50	PASS

5 Test Setup Photos of the EUT

Please refer to separated files for Test Setup Photos of the EUT.

6 External Photos of the EUT

Please refer to separated files for External Photos of the EUT.

7 Internal Photos of the EUT

Please refer to separated files for Internal Photos of the EUT.

************************End of Report *************************