FCC Test Report

(Part 27 – LTE B4/B7/B12/B13/B17/B30/B38/B41/B66/B71)

Report No.: RFBBQZ-WTW-P20120749-5

FCC ID: PY320400515

Test Model: MR5100C

Received Date: Dec. 23, 2020

Test Date: Jan. 05 ~ Feb. 17, 2021

Issued Date: Feb. 17, 2021

Applicant and Manufacturer: NETGEAR INC.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lin Kou Laboratories

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FCC Registration / Designation Number: 788550 / TW0003

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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P20120749-5	Original release	Feb. 17, 2021

1 Certificate of Conformity

Product: 5G MHS Travel Router

Brand: Netgear

Test Model: MR5100C

Sample Status: Engineering sample

Applicant: NETGEAR INC.

Test Date: Jan. 05 ~ Feb. 17, 2021

Standards: FCC Part 27, Subpart C, D, F, H, L, M, N

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : Celine Chou , **Date:** Feb. 17, 2021

Celine Chou / Senior Specialist

Approved by : Bruce Chen , **Date:** Feb. 17, 2021

Bruce Chen / Senior Project Engineer

2 Summary of Test Results

Applied Standard: FCC Part 27 & Part 2									
FCC Clause							Test Item	Result	Remarks
LTE B4	LTE B12/ LTE B71	LTE B13	LTE B17	LTE B7 / LTE B38 / LTE B41	LTE B30	LTE B66			
2.1046 27.50 (d)(4)	2.1046 27.50 (c)	2.1046 27.50 (b)	2.1046 27.50 (c)	2.1046 27.50 (h)(2)	2.1046 27.50 (a)(3)	2.1046 27.50 (d)(4)	Equivalent Isotropically Radiated Power / Equivalent Radiated Power	Pass	Meet the requirement of limit.
2.1047	2.1047	2.1047	2.1047	2.1047	2.1047	2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
27.50 (d)(5)	----	----	----	----	----	27.50 (d)(5)	Peak To Average Ratio	Pass	Meet the requirement of limit.
2.1055 27.54	2.1055 27.54	2.1055 27.54	2.1055 27.54	2.1055 27.54	2.1055 27.54	2.1055 27.54	Frequency Stability Stay with the authorized bands of operation	Pass	Meet the requirement of limit.
2.1049	2.1049	2.1049	2.1049	2.1049	2.1049	2.1049	Occupied Bandwidth	Pass	Meet the requirement of limit.
2.1051 27.53 (h)	2.1051 27.53 (g)	2.1051 27.53 (c)	2.1051 27.53 (g)	2.1051 27.53 (m)(4)(6)	2.1051 27.53 (a)(4)	2.1051 27.53 (h)	Band Edge / Out of Band Emissions Measurements	Pass	Meet the requirement of limit.
2.1051 27.53 (h)	2.1051 27.53 (g)	2.1051 27.53 (c)(f)	2.1051 27.53 (g)	2.1051 27.53 (m)(4)(6)	2.1051 27.53 (a)(4)	2.1051 27.53 (h)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 27.53 (h)	2.1053 27.53 (g)	2.1053 27.53 (c)(f)	2.1053 27.53 (g)	2.1053 27.53 (m)(4)(6)	2.1053 27.53 (a)(4)	2.1053 27.53 (h)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -0.10dB at 1564.00MHz.

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	3.04 dB
	30MHz ~ 200MHz	3.59 dB
	200MHz ~1000MHz	3.60 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

2.2 Test Site and Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver KEYSIGHT	N9038A	MY55420137	Apr. 16, 2020	Apr. 15, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSW43	101582	Mar. 31, 2020	Mar. 30, 2021
MXG Vector signal generator Agilent	N5182B	MY53050430	Nov. 25, 2020	Nov. 24, 2021
5G Wireless Test Platforms Keysight	E7515B	MY58300759	Apr. 18, 2020	Apr. 17, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Nov. 06, 2020	Nov. 05, 2021
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 22, 2020	Nov. 21, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Nov. 06, 2020	Nov. 05, 2021
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1169	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 22, 2020	Nov. 21, 2021
Preamplifier Agilent (Below 1GHz)	8447D	2944A10638	Jun. 08, 2020	Jun. 07, 2021
Preamplifier Agilent (Above 1GHz)	8449B	3008A02367	Feb. 18, 2020	Feb. 17, 2021
RF signal cable HUBER+SUHNER&EMCI	SUCOFLEX 104 & EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	Jan. 18, 2020	Jan. 17, 2021
			Jan. 16, 2021	Jan. 15, 2022
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	Jan. 18, 2020	Jan. 17, 2021
			Jan. 16, 2021	Jan. 15, 2022
RF signal cable Woken	8D-FB	Cable-CH9-01	Jun. 08, 2020	Jun. 07, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower &Turn BV ADT	AT100	AT93021705	NA	NA
Turn Table BV ADT	TT100	TT93021705	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Standard Temperature And Humidity Chamber GIANT FORCE	GTH-120-40-CP-AR	MAA1306-019	Sep. 10, 2020	Sep. 09, 2021

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
JFW 20dB attenuation	50HF-020-SMA	NA	NA	NA
True RMS Clamp Meter Fluke	325	31130711WS	Jun. 06, 2020	Jun. 05, 2021
DC power supply Keysight	U8002A	MY56330015	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 9.

3 General Information

3.1 General Description of EUT

Product	5G MHS Travel Router
Brand	Netgear
Test Model	MR5100C
Sample Status	Engineering sample
Power Supply Rating	5 or 9Vdc (adapter) 5Vdc (host equipment) 3.85Vdc (battery)

Modulation Type	QPSK, 16QAM, 64QAM, 256QAM	
Operating Frequency	LTE Band 4 (Channel Bandwidth 1.4MHz)	1710.7MHz ~ 1754.3MHz
	LTE Band 4 (Channel Bandwidth 3MHz)	1711.5MHz ~ 1753.5MHz
	LTE Band 4 (Channel Bandwidth 5MHz)	1712.5MHz ~ 1752.5MHz
	LTE Band 4 (Channel Bandwidth 10MHz)	1715.0MHz ~ 1750.0MHz
	LTE Band 4 (Channel Bandwidth 15MHz)	1717.5MHz ~ 1747.5MHz
	LTE Band 4 (Channel Bandwidth 20MHz)	1720.0MHz ~ 1745.0MHz
	LTE Band 7 (Channel Bandwidth 5MHz)	2502.5MHz ~ 2567.5MHz
	LTE Band 7 (Channel Bandwidth 10MHz)	2505.0MHz ~ 2565.0MHz
	LTE Band 7 (Channel Bandwidth 15MHz)	2507.5MHz ~ 2562.5MHz
	LTE Band 7 (Channel Bandwidth 20MHz)	2510.0MHz ~ 2560.0MHz
	LTE Band 12 (Channel Bandwidth 1.4MHz)	699.7MHz ~ 715.3MHz
	LTE Band 12 (Channel Bandwidth 3MHz)	700.5MHz ~ 714.5MHz
	LTE Band 12 (Channel Bandwidth 5MHz)	701.5MHz ~ 713.5MHz
	LTE Band 12 (Channel Bandwidth 10MHz)	704.0MHz ~ 711.0MHz
	LTE Band 13 (Channel Bandwidth 5MHz)	779.5MHz ~ 784.5MHz
	LTE Band 13 (Channel Bandwidth 10MHz)	782.0MHz
	LTE Band 17 (Channel Bandwidth 5MHz)	706.5MHz ~ 713.5MHz
	LTE Band 17 (Channel Bandwidth 10MHz)	709.0MHz ~ 711.0MHz
	LTE Band 30 (Channel Bandwidth 5MHz)	2307.5MHz ~ 2312.5MHz
	LTE Band 30 (Channel Bandwidth 10MHz)	2310.0MHz
	LTE Band 38 (Channel Bandwidth 5MHz)	2572.5MHz ~ 2617.5MHz
	LTE Band 38 (Channel Bandwidth 10MHz)	2575.0MHz ~ 2615.0MHz
	LTE Band 38 (Channel Bandwidth 15MHz)	2577.5MHz ~ 2612.5MHz
	LTE Band 38 (Channel Bandwidth 20MHz)	2580.0MHz ~ 2610.0MHz
	LTE Band 41 (Channel Bandwidth 5MHz)	2498.5MHz ~ 2687.5MHz
	LTE Band 41 (Channel Bandwidth 10MHz)	2501.0MHz ~ 2685.0 MHz
	LTE Band 41 (Channel Bandwidth 15MHz)	2503.5MHz ~ 2682.5MHz
	LTE Band 41 (Channel Bandwidth 20MHz)	2506.0MHz ~ 2680.0 MHz
	LTE Band 66 (Channel Bandwidth 1.4MHz)	1710.7MHz ~ 1779.3MHz
	LTE Band 66 (Channel Bandwidth 3MHz)	1711.5MHz ~ 1778.5MHz
	LTE Band 66 (Channel Bandwidth 5MHz)	1712.5MHz ~ 1777.5MHz
	LTE Band 66 (Channel Bandwidth 10MHz)	1715.0MHz ~ 1775.0MHz
	LTE Band 66 (Channel Bandwidth 15MHz)	1717.5MHz ~ 1772.5MHz
	LTE Band 66 (Channel Bandwidth 20MHz)	1720.0MHz ~ 1770.0MHz
	LTE Band 71 (Channel Bandwidth 5MHz)	665.5MHz ~ 695.5MHz
	LTE Band 71 (Channel Bandwidth 10MHz)	668.0MHz ~ 693.0MHz
	LTE Band 71 (Channel Bandwidth 15MHz)	670.5MHz ~ 690.5MHz
	LTE Band 71 (Channel Bandwidth 20MHz)	673.0MHz ~ 688.0MHz

		QPSK	16QAM	64QAM	256QAM
Max. EIRP Power (Internal Antenna)	LTE Band 4 (Channel Bandwidth 1.4MHz)	102.329mW (20.10dBm)	85.114mW (19.30dBm)	74.131mW (18.70dBm)	44.668mW (16.50dBm)
	LTE Band 4 (Channel Bandwidth 3MHz)	102.329mW (20.10dBm)	81.283mW (19.10dBm)	70.795mW (18.50dBm)	43.652mW (16.40dBm)
	LTE Band 4 (Channel Bandwidth 5MHz)	104.713mW (20.20dBm)	81.283mW (19.10dBm)	74.131mW (18.70dBm)	46.774mW (16.70dBm)
	LTE Band 4 (Channel Bandwidth 10MHz)	104.713mW (20.20dBm)	74.131mW (18.70dBm)	67.608mW (18.30dBm)	42.658mW (16.30dBm)
	LTE Band 4 (Channel Bandwidth 15MHz)	109.648mW (20.40dBm)	91.201mW (19.60dBm)	83.176mW (19.20dBm)	44.668mW (16.50dBm)
	LTE Band 4 (Channel Bandwidth 20MHz)	109.648mW (20.40dBm)	81.283mW (19.10dBm)	69.183mW (18.40dBm)	44.668mW (16.50dBm)
	LTE Band 7 (Channel Bandwidth 5MHz)	234.423mW (23.70dBm)	186.209mW (22.70dBm)	147.911mW (21.70dBm)	117.490mW (20.70dBm)
	LTE Band 7 (Channel Bandwidth 10MHz)	223.872mW (23.50dBm)	177.828mW (22.50dBm)	141.254mW (21.50dBm)	112.202mW (20.50dBm)
	LTE Band 7 (Channel Bandwidth 15MHz)	223.872mW (23.50dBm)	177.828mW (22.50dBm)	141.254mW (21.50dBm)	112.202mW (20.50dBm)
	LTE Band 7 (Channel Bandwidth 20MHz)	239.883mW (23.80dBm)	190.546mW (22.80dBm)	151.356mW (21.80dBm)	120.226mW (20.80dBm)
	LTE Band 30 (Channel Bandwidth 5MHz)	181.970mW (22.60dBm/5MHz)	144.544mW (21.60dBm/5MHz)	114.815mW (20.60dBm/5MHz)	91.201mW (19.60dBm/5MHz)
	LTE Band 30 (Channel Bandwidth 10MHz)	169.824mW (22.30dBm/5MHz)	102.329mW (20.10dBm/5MHz)	79.433mW (19.00dBm/5MHz)	57.544mW (17.60dBm/5MHz)
	LTE Band 38 (Channel Bandwidth 5MHz)	223.872mW (23.50dBm)	114.815mW (20.60dBm)	104.713mW (20.20dBm)	57.544mW (17.60dBm)
	LTE Band 38 (Channel Bandwidth 10MHz)	239.883mW (23.80dBm)	125.893mW (21.00dBm)	109.648mW (20.40dBm)	54.954mW (17.40dBm)
	LTE Band 38 (Channel Bandwidth 15MHz)	229.087mW (23.60dBm)	128.825mW (21.10dBm)	114.815mW (20.60dBm)	64.565mW (18.10dBm)
	LTE Band 38 (Channel Bandwidth 20MHz)	245.471mW (23.90dBm)	114.815mW (20.60dBm)	100.000mW (20.00dBm)	63.096mW (18.00dBm)
	LTE Band 41 (Channel Bandwidth 5MHz)	223.872mW (23.50dBm)	177.828mW (22.50dBm)	158.489mW (22.00dBm)	125.893mW (21.00dBm)
	LTE Band 41 (Channel Bandwidth 10MHz)	223.872mW (23.50dBm)	177.828mW (22.50dBm)	154.882mW (21.90dBm)	123.027mW (20.90dBm)
	LTE Band 41 (Channel Bandwidth 15MHz)	218.776mW (23.40dBm)	173.780mW (22.40dBm)	147.911mW (21.70dBm)	117.490mW (20.70dBm)
	LTE Band 41 (Channel Bandwidth 20MHz)	229.087mW (23.60dBm)	181.970mW (22.60dBm)	151.356mW (21.80dBm)	120.226mW (20.80dBm)

		QPSK	16QAM	64QAM	256QAM
Max. EIRP Power (Internal Antenna)	LTE Band 66 (Channel Bandwidth 1.4MHz)	112.202mW (20.50dBm)	89.125mW (19.50dBm)	79.433mW (19.00dBm)	60.256mW (17.80dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	123.027mW (20.90dBm)	97.724mW (19.90dBm)	87.096mW (19.40dBm)	54.954mW (17.40dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	120.226mW (20.80dBm)	93.325mW (19.70dBm)	85.114mW (19.30dBm)	56.234mW (17.50dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	120.226mW (20.80dBm)	97.724mW (19.90dBm)	87.096mW (19.40dBm)	57.544mW (17.60dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	120.226mW (20.80dBm)	100.000mW (20.00dBm)	91.201mW (19.60dBm)	53.703mW (17.30dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	125.893mW (21.00dBm)	97.724mW (19.90dBm)	89.125mW (19.50dBm)	60.256mW (17.80dBm)
Max. ERP Power (Internal Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 12 (Channel Bandwidth 1.4MHz)	281.838mW (24.50dBm)	213.796mW (23.30dBm)	186.209mW (22.70dBm)	109.648mW (20.40dBm)
	LTE Band 12 (Channel Bandwidth 3MHz)	269.153mW (24.30dBm)	208.930mW (23.20dBm)	190.546mW (22.80dBm)	109.648mW (20.40dBm)
	LTE Band 12 (Channel Bandwidth 5MHz)	281.838mW (24.50dBm)	213.796mW (23.30dBm)	186.209mW (22.70dBm)	117.490mW (20.70dBm)
	LTE Band 12 (Channel Bandwidth 10MHz)	229.087mW (23.60dBm)	190.546mW (22.80dBm)	165.959mW (22.20dBm)	125.893mW (21.00dBm)
	LTE Band 13 (Channel Bandwidth 5MHz)	158.489mW (22.00dBm)	128.825mW (21.10dBm)	117.490mW (20.70dBm)	67.608mW (18.30dBm)
	LTE Band 13 (Channel Bandwidth 10MHz)	162.181mW (22.10dBm)	117.490mW (20.70dBm)	102.329mW (20.10dBm)	77.625mW (18.90dBm)
	LTE Band 17 (Channel Bandwidth 5MHz)	186.209mW (22.70dBm)	147.911mW (21.70dBm)	131.826mW (21.20dBm)	83.176mW (19.20dBm)
	LTE Band 17 (Channel Bandwidth 10MHz)	204.174mW (23.10dBm)	158.489mW (22.00dBm)	141.254mW (21.50dBm)	93.325mW (19.70dBm)
	LTE Band 71 (Channel Bandwidth 5MHz)	190.546mW (22.80dBm)	151.356mW (21.80dBm)	131.826mW (21.20dBm)	93.325mW (19.70dBm)
	LTE Band 71 (Channel Bandwidth 10MHz)	199.526mW (23.00dBm)	158.489mW (22.00dBm)	141.254mW (21.50dBm)	95.499mW (19.80dBm)
	LTE Band 71 (Channel Bandwidth 15MHz)	208.930mW (23.20dBm)	165.959mW (22.20dBm)	147.911mW (21.70dBm)	87.096mW (19.40dBm)
	LTE Band 71 (Channel Bandwidth 20MHz)	218.776mW (23.40dBm)	147.911mW (21.70dBm)	131.826mW (21.20dBm)	95.499mW (19.80dBm)

		QPSK	16QAM	64QAM	256QAM
Max. EIRP Power (External Antenna)	LTE Band 4 (Channel Bandwidth 1.4MHz)	147.911mW (21.70dBm)	117.490mW (20.70dBm)	102.329mW (20.10dBm)	70.795mW (18.50dBm)
	LTE Band 4 (Channel Bandwidth 3MHz)	147.911mW (21.70dBm)	120.226mW (20.80dBm)	109.648mW (20.40dBm)	79.433mW (19.00dBm)
	LTE Band 4 (Channel Bandwidth 5MHz)	131.826mW (21.20dBm)	109.648mW (20.40dBm)	95.499mW (19.80dBm)	69.183mW (18.40dBm)
	LTE Band 4 (Channel Bandwidth 10MHz)	154.882mW (21.90dBm)	117.490mW (20.70dBm)	107.152mW (20.30dBm)	77.625mW (18.90dBm)
	LTE Band 4 (Channel Bandwidth 15MHz)	147.911mW (21.70dBm)	112.202mW (20.50dBm)	102.329mW (20.10dBm)	74.131mW (18.70dBm)
	LTE Band 4 (Channel Bandwidth 20MHz)	158.489mW (22.00dBm)	120.226mW (20.80dBm)	104.713mW (20.20dBm)	74.131mW (18.70dBm)
	LTE Band 7 (Channel Bandwidth 5MHz)	123.027mW (20.90dBm)	85.114mW (19.30dBm)	74.131mW (18.70dBm)	52.481mW (17.20dBm)
	LTE Band 7 (Channel Bandwidth 10MHz)	123.027mW (20.90dBm)	87.096mW (19.40dBm)	75.858mW (18.80dBm)	53.703mW (17.30dBm)
	LTE Band 7 (Channel Bandwidth 15MHz)	123.027mW (20.90dBm)	89.125mW (19.50dBm)	79.433mW (19.00dBm)	57.544mW (17.60dBm)
	LTE Band 7 (Channel Bandwidth 20MHz)	123.027mW (20.90dBm)	91.201mW (19.60dBm)	79.433mW (19.00dBm)	57.544mW (17.60dBm)
	LTE Band 30 (Channel Bandwidth 5MHz)	97.724mW (19.90dBm/5MHz)	77.625mW (18.90dBm/5MHz)	61.660mW (17.90dBm/5MHz)	48.978mW (16.90dBm/5MHz)
	LTE Band 30 (Channel Bandwidth 10MHz)	95.499mW (19.80dBm/5MHz)	75.858mW (18.80dBm/5MHz)	63.096mW (18.00dBm/5MHz)	63.096mW (18.00dBm/5MHz)
	LTE Band 38 (Channel Bandwidth 5MHz)	123.027mW (20.90dBm)	123.027mW (20.90dBm)	104.713mW (20.20dBm)	83.176mW (19.20dBm)
	LTE Band 38 (Channel Bandwidth 10MHz)	120.226mW (20.80dBm)	95.499mW (19.80dBm)	83.176mW (19.20dBm)	66.069mW (18.20dBm)
	LTE Band 38 (Channel Bandwidth 15MHz)	123.027mW (20.90dBm)	97.724mW (19.90dBm)	85.114mW (19.30dBm)	67.608mW (18.30dBm)
	LTE Band 38 (Channel Bandwidth 20MHz)	125.893mW (21.00dBm)	100.000mW (20.00dBm)	91.201mW (19.60dBm)	72.444mW (18.60dBm)
	LTE Band 41 (Channel Bandwidth 5MHz)	120.226mW (20.80dBm)	95.499mW (19.80dBm)	79.433mW (19.00dBm)	63.096mW (18.00dBm)
	LTE Band 41 (Channel Bandwidth 10MHz)	123.027mW (20.90dBm)	97.724mW (19.90dBm)	79.433mW (19.00dBm)	63.096mW (18.00dBm)
	LTE Band 41 (Channel Bandwidth 15MHz)	125.893mW (21.00dBm)	100.000mW (20.00dBm)	79.433mW (19.00dBm)	63.096mW (18.00dBm)
	LTE Band 41 (Channel Bandwidth 20MHz)	128.825mW (21.10dBm)	102.329mW (20.10dBm)	81.283mW (19.10dBm)	64.565mW (18.10dBm)

		QPSK	16QAM	64QAM	256QAM
Max. EIRP Power (External Antenna)	LTE Band 66 (Channel Bandwidth 1.4MHz)	131.826mW (21.20dBm)	104.713mW (20.20dBm)	93.325mW (19.70dBm)	66.069mW (18.20dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	147.911mW (21.70dBm)	114.815mW (20.60dBm)	104.713mW (20.20dBm)	74.131mW (18.70dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	141.254mW (21.50dBm)	117.490mW (20.70dBm)	107.152mW (20.30dBm)	75.858mW (18.80dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	131.826mW (21.20dBm)	107.152mW (20.30dBm)	95.499mW (19.80dBm)	67.608mW (18.30dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	147.911mW (21.70dBm)	123.027mW (20.90dBm)	107.152mW (20.30dBm)	77.625mW (18.90dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	151.356mW (21.80dBm)	114.815mW (20.60dBm)	104.713mW (20.20dBm)	69.183mW (18.40dBm)
Max. ERP Power (External Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 12 (Channel Bandwidth 1.4MHz)	74.131mW (18.70dBm)	53.703mW (17.30dBm)	46.774mW (16.70dBm)	33.884mW (15.30dBm)
	LTE Band 12 (Channel Bandwidth 3MHz)	74.131mW (18.70dBm)	63.096mW (18.00dBm)	56.234mW (17.50dBm)	38.905mW (15.90dBm)
	LTE Band 12 (Channel Bandwidth 5MHz)	72.444mW (18.60dBm)	60.256mW (17.80dBm)	54.954mW (17.40dBm)	38.019mW (15.80dBm)
	LTE Band 12 (Channel Bandwidth 10MHz)	77.625mW (18.90dBm)	63.096mW (18.00dBm)	57.544mW (17.60dBm)	39.811mW (16.00dBm)
	LTE Band 13 (Channel Bandwidth 5MHz)	70.795mW (18.50dBm)	61.660mW (17.90dBm)	50.119mW (17.00dBm)	35.481mW (15.50dBm)
	LTE Band 13 (Channel Bandwidth 10MHz)	74.131mW (18.70dBm)	58.884mW (17.70dBm)	53.703mW (17.30dBm)	38.019mW (15.80dBm)
	LTE Band 17 (Channel Bandwidth 5MHz)	74.131mW (18.70dBm)	57.544mW (17.60dBm)	50.119mW (17.00dBm)	35.481mW (15.50dBm)
	LTE Band 17 (Channel Bandwidth 10MHz)	75.858mW (18.80dBm)	60.256mW (17.80dBm)	52.481mW (17.20dBm)	38.019mW (15.80dBm)
	LTE Band 71 (Channel Bandwidth 5MHz)	75.858mW (18.80dBm)	60.256mW (17.80dBm)	47.863mW (16.80dBm)	38.019mW (15.80dBm)
	LTE Band 71 (Channel Bandwidth 10MHz)	69.183mW (18.40dBm)	54.954mW (17.40dBm)	44.668mW (16.50dBm)	35.481mW (15.50dBm)
	LTE Band 71 (Channel Bandwidth 15MHz)	74.131mW (18.70dBm)	58.884mW (17.70dBm)	48.978mW (16.90dBm)	38.905mW (15.90dBm)
	LTE Band 71 (Channel Bandwidth 20MHz)	77.625mW (18.90dBm)	61.660mW (17.90dBm)	52.481mW (17.20dBm)	41.687mW (16.20dBm)

		QPSK	16QAM	64QAM	256QAM
Emission Designator	LTE Band 4 (Channel Bandwidth 1.4MHz)	1M09G7D	1M09D7W	1M09D7W	1M09D7W
	LTE Band 4 (Channel Bandwidth 3MHz)	2M70G7D	2M70D7W	2M70D7W	2M70D7W
	LTE Band 4 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M49D7W	4M49D7W
	LTE Band 4 (Channel Bandwidth 10MHz)	8M98G7D	8M96D7W	8M96D7W	8M96D7W
	LTE Band 4 (Channel Bandwidth 15MHz)	13M5G7D	13M5D7W	13M5D7W	13M4D7W
	LTE Band 4 (Channel Bandwidth 20MHz)	17M9G7D	17M9D7W	17M9D7W	17M9D7W
	LTE Band 7 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M49D7W	4M49D7W
	LTE Band 7 (Channel Bandwidth 10MHz)	8M95G7D	8M96D7W	8M96D7W	8M95D7W
	LTE Band 7 (Channel Bandwidth 15MHz)	13M5G7D	13M5D7W	13M4D7W	13M5D7W
	LTE Band 7 (Channel Bandwidth 20MHz)	17M9G7D	18M0D7W	18M0D7W	18M0D7W
	LTE Band 12 (Channel Bandwidth 1.4MHz)	1M09G7D	1M09D7W	1M09D7W	1M09D7W
	LTE Band 12 (Channel Bandwidth 3MHz)	2M70G7D	2M69D7W	2M69D7W	2M70D7W
	LTE Band 12 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M50D7W	4M49D7W
	LTE Band 12 (Channel Bandwidth 10MHz)	8M96G7D	8M96D7W	8M96D7W	8M96D7W
	LTE Band 13 (Channel Bandwidth 5MHz)	4M49G7D	4M50D7W	4M50D7W	4M49D7W
	LTE Band 13 (Channel Bandwidth 10MHz)	8M95G7D	8M95D7W	8M94D7W	8M94D7W
	LTE Band 17 (Channel Bandwidth 5MHz)	4M49G7D	4M48D7W	4M49D7W	4M49D7W
	LTE Band 17 (Channel Bandwidth 10MHz)	8M96G7D	8M95D7W	8M97D7W	8M96D7W
	LTE Band 30 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M50D7W	4M49D7W
	LTE Band 30 (Channel Bandwidth 10MHz)	8M95G7D	8M96D7W	8M96D7W	8M96D7W
	LTE Band 38 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M49D7W	4M48D7W
	LTE Band 38 (Channel Bandwidth 10MHz)	8M96G7D	8M95D7W	8M96D7W	8M95D7W
	LTE Band 38 (Channel Bandwidth 15MHz)	13M5G7D	13M4D7W	13M5D7W	13M4D7W
	LTE Band 38 (Channel Bandwidth 20MHz)	17M9G7D	17M9D7W	17M9D7W	17M9D7W
	LTE Band 41 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M50D7W	4M48D7W
	LTE Band 41 (Channel Bandwidth 10MHz)	8M96G7D	8M97D7W	8M97D7W	8M97D7W
	LTE Band 41 (Channel Bandwidth 15MHz)	13M5G7D	13M5D7W	13M5D7W	13M5D7W
	LTE Band 41 (Channel Bandwidth 20MHz)	17M9G7D	17M9D7W	17M9D7W	17M9D7W
	LTE Band 66 (Channel Bandwidth 1.4MHz)	1M09G7D	1M09D7W	1M09D7W	1M09D7W
	LTE Band 66 (Channel Bandwidth 3MHz)	2M70G7D	2M70D7W	2M70D7W	2M70D7W
	LTE Band 66 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M49D7W	4M49D7W
	LTE Band 66 (Channel Bandwidth 10MHz)	8M96G7D	8M96D7W	8M97D7W	8M97D7W
	LTE Band 66 (Channel Bandwidth 15MHz)	13M5G7D	13M5D7W	13M5D7W	13M5D7W
	LTE Band 66 (Channel Bandwidth 20MHz)	17M9G7D	18M0D7W	18M0D7W	18M0D7W
	LTE Band 71 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M49D7W	4M49D7W
	LTE Band 71 (Channel Bandwidth 10MHz)	8M97G7D	8M95D7W	8M97D7W	8M95D7W
	LTE Band 71 (Channel Bandwidth 15MHz)	13M5G7D	13M5D7W	13M5D7W	13M5D7W
	LTE Band 71 (Channel Bandwidth 20MHz)	18M0G7D	18M0D7W	18M0D7W	18M0D7W
Antenna Type	Refer to Note				
Antenna Connector	Refer to Note				
Accessory Device	Adapter x1, battery x1				
Cable Supplied	1m shielded USB cable without core (Brand: NIENYI, model: NYS2371-1)				

Note:

1. The EUT uses following adapter and battery.

Adapter	
Brand	NETGEAR
Model	AD2122F20
P/N	332-11106-01
Input Power	100-240Vac, 50-60Hz, 0.5A
Output Power	5Vdc, 2.0A 9Vdc, 1.8A

Battery	
Brand	NETGEAR
Model	W-20
Rating	3.85Vdc ,19.40Wh

2. The following antennas were provided to the EUT.

Internal Antenna

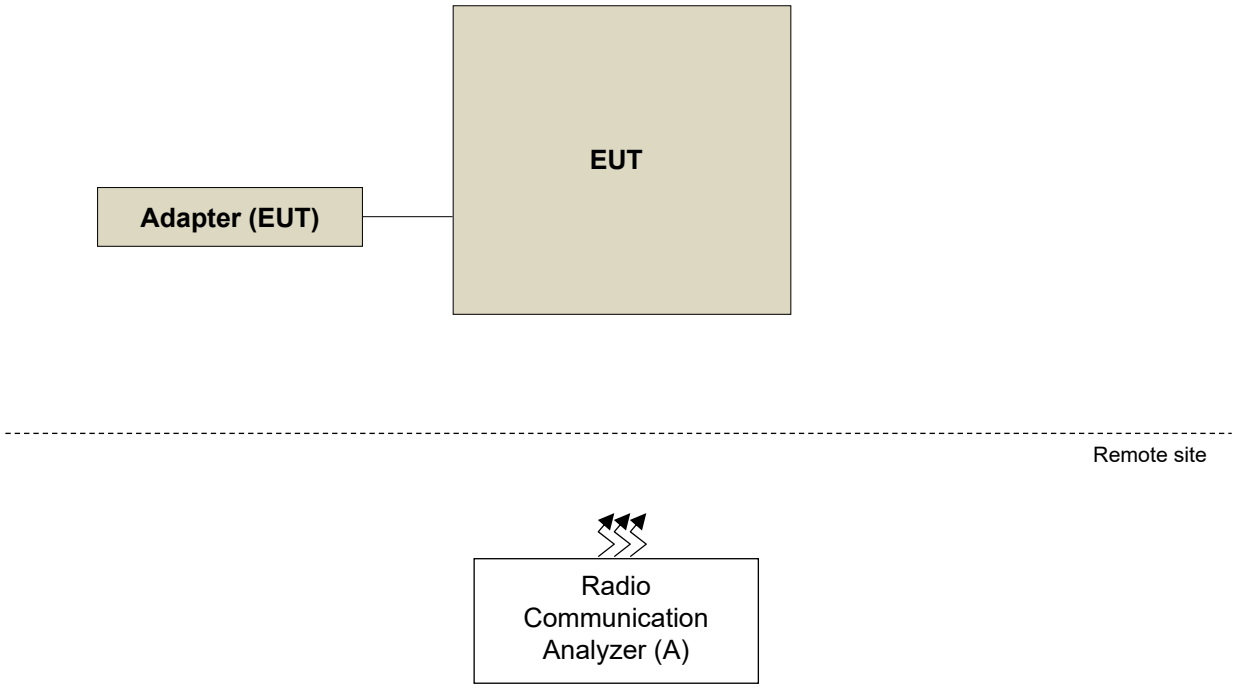
No.	Type	Connector	Gain (dBi)												
			B2	B4	B5	B7	B12	B13	B17	B25	B30	B38	B41	B66	B71
1	Monopole	NA	1.83	-0.01	-0.23	2.66	1.24	0.16	1.24	1.83	2.81	2.66	2.66	-0.01	0.91
2	Monopole	NA	1.03	-	-0.38	2.56	-	-	-	1.03	-	-	-	0.34	-

External Antenna

No.	Type	Connector	Gain (dBi)												
			B2	B4	B5	B7	B12	B13	B17	B25	B30	B38	B41	B66	B71
1	Monopole	TS-9 plugs	0.48	0.48	0.54	0.24	0.54	0.54	0.54	0.48	0.24	0.24	0.24	0.48	0.54
2	Monopole	TS-9 plugs	0.25	0.25	0.48	0.28	0.48	0.48	0.48	0.25	0.28	0.28	0.28	0.25	0.48

* The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.2 Configuration of System under Test



3.2.1 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Radio Communication Analyzer	Anritsu	MT8821C	6261806803	NA	-

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Item A acted as a communication partner to transfer data.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found when positioned as the table below. Following channel(s) was (were) selected for the final test as listed below:

Band	ERP/EIRP		Radiated Emission	
	Internal Antenna	External Antenna	Internal Antenna	External Antenna
LTE Band 4	X-plane	Z-plane	Z-plane	Z-plane
LTE Band 7	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 12	X-plane	Z-plane	X-plane	Z-plane
LTE Band 13	X-plane	Z-plane	X-plane	Z-plane
LTE Band 17	X-plane	Z-plane	X-plane	Z-plane
LTE Band 30	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 38	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 41	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 66	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 71	X-plane	Z-plane	X-plane	Z-plane

LTE Band 4

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	19957 to 20393	19957 (1710.7MHz), 20175 (1732.5MHz), 20393 (1754.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		19965 to 20385	19965 (1711.5MHz), 20175 (1732.5MHz), 20385 (1753.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		19975 to 20375	19975 (1712.5MHz), 20175 (1732.5MHz), 20375 (1752.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20000 to 20350	20000 (1715.0MHz), 20175 (1732.5MHz), 20350 (1750.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20025 to 20325	20025 (1717.5MHz), 20175 (1732.5MHz), 20325 (1747.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20050 to 20300	20050 (1720.0MHz), 20175 (1732.5MHz), 20300 (1745.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	20050 to 20300	20175 (1732.5MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Frequency Stability	19957 to 20393	19957 (1710.7MHz), 20393 (1754.3MHz)	1.4MHz	QPSK	6 RB / 0 RB Offset
		19965 to 20385	19965 (1711.5MHz), 20385 (1753.5MHz)	3MHz	QPSK	15 RB / 0 RB Offset
		19975 to 20375	19975 (1712.5MHz), 20375 (1752.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		20000 to 20350	20000 (1715.0MHz), 20350 (1750.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
		20025 to 20325	20025 (1717.5MHz), 20325 (1747.5MHz)	15MHz	QPSK	75 RB / 0 RB Offset
		20050 to 20300	20050 (1720.0MHz), 20300 (1745.0MHz)	20MHz	QPSK	100 RB / 0 RB Offset
-	Emission Bandwidth	19957 to 20393	19957 (1710.7MHz), 20175 (1732.5MHz), 20393 (1754.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	6 RB / 0RB Offset
		19965 to 20385	19965 (1711.5MHz), 20175 (1732.5MHz), 20385 (1753.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	15 RB / 0RB Offset
		19975 to 20375	19975 (1712.5MHz), 20175 (1732.5MHz), 20375 (1752.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25RB / 0RB Offset
		20000 to 20350	20000 (1715.0MHz), 20175 (1732.5MHz), 20350 (1750.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50RB / 0RB Offset
		20025 to 20325	20025 (1717.5MHz), 20175 (1732.5MHz), 20325 (1747.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		20050 to 20300	20050 (1720.0MHz), 20175 (1732.5MHz), 20300 (1745.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Band Edge	19957 to 20393	19957 (1710.7MHz), 20393 (1754.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset 1 RB / 5 RB Offset 6 RB / 0 RB Offset
		19965 to 20385	19965 (1711.5MHz), 20385 (1753.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset 1 RB / 14 RB Offset 15 RB / 0 RB Offset
		19975 to 20375	19975 (1712.5MHz), 20375 (1752.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		20000 to 20350	20000 (1715.0MHz), 20350 (1750.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		20025 to 20325	20025 (1717.5MHz), 20325 (1747.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		20050 to 20300	20050 (1720.0MHz), 20300 (1745.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak To Average Ratio	19957 to 20393	19957 (1710.7MHz), 20175 (1732.5MHz), 20393 (1754.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		19965 to 20385	19965 (1711.5MHz), 20175 (1732.5MHz), 20385 (1753.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		19975 to 20375	19975 (1712.5MHz), 20175 (1732.5MHz), 20375 (1752.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20000 to 20350	20000 (1715.0MHz), 20175 (1732.5MHz), 20350 (1750.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20025 to 20325	20025 (1717.5MHz), 20175 (1732.5MHz), 20325 (1747.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20050 to 20300	20050 (1720.0MHz), 20175 (1732.5MHz), 20300 (1745.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Conducted Emission	19957 to 20393	19957 (1710.7MHz), 20175 (1732.5MHz), 20393 (1754.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		19965 to 20385	19965 (1711.5MHz), 20175 (1732.5MHz), 20385 (1753.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset
		19975 to 20375	19975 (1712.5MHz), 20175 (1732.5MHz), 20375 (1752.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		20000 to 20350	20000 (1715.0MHz), 20175 (1732.5MHz), 20350 (1750.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		20025 to 20325	20025 (1717.5MHz), 20175 (1732.5MHz), 20325 (1747.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20050 (1720.0MHz), 20175 (1732.5MHz), 20300 (1745.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Radiated Emission Below 1GHz	19957 to 20393	19957 (1710.7MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	19957 to 20393	19957 (1710.7MHz), 20175 (1732.5MHz), 20393 (1754.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		19975 to 20375	19975 (1712.5MHz), 20175 (1732.5MHz), 20375 (1752.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20050 (1720.0MHz), 20175 (1732.5MHz), 20300 (1745.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the lowest, 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

LTE Band 7

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	20775 to 21425	20775 (2502.5MHz), 21100 (2535.0MHz), 21425 (2567.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21100 (2535.0MHz), 21400 (2565.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21100 (2535.0MHz), 21375 (2562.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	20850 to 21350	21100 (2535.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Frequency Stability	20775 to 21425	20775 (2502.5MHz), 21425 (2567.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21400 (2565.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21375 (2562.5MHz)	15MHz	QPSK	75 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21350 (2560.0MHz)	20MHz	QPSK	100 RB / 0 RB Offset
-	Emission Bandwidth	20775 to 21425	20775 (2502.5MHz), 21100 (2535.0MHz), 21425 (2567.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21100 (2535.0MHz), 21400 (2565.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21100 (2535.0MHz), 21375 (2562.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Out-of-Band Emissions	20775 to 21425	20775 (2502.5MHz), 21425 (2567.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21400 (2565.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21375 (2562.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21350 (2560.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak to Average Ratio	20775 to 21425	20775 (2502.5MHz), 21100 (2535.0MHz), 21425 (2567.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21100 (2535.0MHz), 21400 (2565.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21100 (2535.0MHz), 21375 (2562.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Conducted Emission	20775 to 21425	20775 (2502.5MHz), 21100 (2535.0MHz), 21425 (2567.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21100 (2535.0MHz), 21400 (2565.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21100 (2535.0MHz), 21375 (2562.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	20775 to 21425	20775 (2502.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	20775 to 21425	20775 (2502.5MHz), 21100 (2535.0MHz), 21425 (2567.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

LTE Band 12

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	23017 to 23173	23017 (699.7MHz), 23095 (707.5MHz), 23173 (715.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23025 to 23165	23025 (700.5MHz), 23095 (707.5MHz), 23165 (714.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23035 to 23155	23035 (701.5MHz), 23095 (707.5MHz), 23155 (713.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23060 to 23130	23060 (704.0MHz), 23095 (707.5MHz), 23130 (711.0 MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	23060 to 23130	23095 (707.5MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Frequency Stability	23017 to 23173	23017 (699.7MHz), 23173 (715.3MHz)	1.4MHz	QPSK	6 RB / 0 RB Offset
		23025 to 23165	23025 (700.5MHz), 23165 (714.5MHz)	3MHz	QPSK	15 RB / 0 RB Offset
		23035 to 23155	23035 (701.5MHz), 23155 (713.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		23060 to 23130	23060 (704.0MHz), 23130 (711.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
-	Emission Bandwidth	23017 to 23173	23017 (699.7MHz), 23095 (707.5MHz), 23173 (715.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	6 RB / 0 RB Offset
		23025 to 23165	23025 (700.5MHz), 23095 (707.5MHz), 23165 (714.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	15 RB / 0 RB Offset
		23035 to 23155	23035 (701.5MHz), 23095 (707.5MHz), 23155 (713.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		23060 to 23130	23060 (704.0MHz), 23095 (707.5MHz), 23130 (711.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Band Edge	23017 to 23173	23017 (699.7MHz), 23173 (715.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset 1 RB / 5 RB Offset 6 RB / 0 RB Offset
		23025 to 23165	23025 (700.5MHz), 23165 (714.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset 1 RB / 14 RB Offset 15 RB / 0 RB Offset
		23035 to 23155	23035 (701.5MHz), 23155 (713.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		23060 to 23130	23060 (704.0MHz), 23130 (711.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
-	Peak to Average Ratio	23017 to 23173	23017 (699.7MHz), 23095 (707.5MHz), 23173 (715.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23025 to 23165	23025 (700.5MHz), 23095 (707.5MHz), 23165 (714.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23035 to 23155	23035 (701.5MHz), 23095 (707.5MHz), 23155 (713.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23060 to 23130	23060 (704.0MHz), 23095 (707.5MHz), 23130 (711.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Conducted Emission	23017 to 23173	23017 (699.7MHz), 23095 (707.5MHz), 23173 (715.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		23025 to 23165	23025 (700.5MHz), 23095 (707.5MHz), 23165 (714.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset
		23035 to 23155	23035 (701.5MHz), 23095 (707.5MHz), 23155 (713.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		23060 to 23130	23060 (704.0MHz), 23095 (707.5MHz), 23130 (711.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	23060 to 23130	23095 (707.5MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	23017 to 23173	23017 (699.7MHz), 23095 (707.5MHz), 23173 (715.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		23035 to 23155	23035 (701.5MHz), 23095 (707.5MHz), 23155 (713.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		23060 to 23130	23060 (704.0MHz), 23095 (707.5MHz), 23130 (711.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the lowest, 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

LTE Band 13

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	23205 to 23255	23205 (779.5MHz), 23230 (782.0MHz), 23255 (784.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23230	23230 (782.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	23230	23230 (782.0MHz),	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Frequency Stability	23205 to 23255	23205 (779.5MHz), 23255 (784.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		23230	23230 (782.0MHz),	10MHz	QPSK	50 RB / 0 RB Offset
-	Emission Bandwidth	23205 to 23255	23205 (779.5MHz), 23230 (782.0MHz), 23255 (784.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		23230	23230 (782.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Band Edge	23205 to 23255	23205 (779.5MHz), 23255 (784.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		23230	23230 (782.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
-	Peak to Average Ratio	23205 to 23255	23205 (779.5MHz), 23230 (782.0MHz), 23255 (784.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23230	23230 (782.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Conducted Emission	23205 to 23255	23205 (779.5MHz), 23230 (782.0MHz), 23255 (784.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		23230	23230 (782.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	23230	23230 (782.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	23205 to 23255	23205 (779.5MHz), 23230 (782.0MHz), 23255 (784.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		23230	23230 (782.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

LTE Band 17

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	23755 to 23825	23755 (706.5MHz), 23790 (710.0MHz), 23825 (713.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23780 to 23800	23780 (709.0MHz), 23790 (710.0MHz), 23800 (711.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	23780 to 23800	23790 (710.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Frequency Stability	23755 to 23825	23755 (706.5MHz), 23825 (713.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		23780 to 23800	23780 (709.0MHz), 23800 (711.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
-	Emission Bandwidth	23755 to 23825	23755 (706.5MHz), 23790 (710.0MHz), 23825 (713.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		23780 to 23800	23780 (709.0MHz), 23790 (710.0MHz), 23800 (711.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Band Edge	23755 to 23825	23755 (706.5MHz), 23825 (713.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		23780 to 23800	23780 (709.0MHz), 23800 (711.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
-	Peak to Average Ratio	23755 to 23825	23755 (706.5MHz), 23790 (710.0MHz), 23825 (713.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		23780 to 23800	23780 (709.0MHz), 23790 (710.0MHz), 23800 (711.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Conducted Emission	23755 to 23825	23755 (706.5MHz), 23790 (710.0MHz), 23825 (713.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		23780 to 23800	23780 (709.0MHz), 23790 (710.0MHz), 23800 (711.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	23780 to 23800	23790 (710.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	23755 to 23825	23755 (706.5MHz), 23790 (710.0MHz), 23825 (713.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		23780 to 23800	23780 (709.0MHz), 23790 (710.0MHz), 23800 (711.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

LTE Band 30

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	27685 to 27735	27685 (2307.5MHz), 27710 (2310.0MHz), 27735 (2312.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		27710	27710 (2310.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	27710	27710 (2310.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Frequency Stability	27685 to 27735	27685 (2307.5MHz), 27735 (2312.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		27710	27710 (2310.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
-	Emission Bandwidth	27685 to 27735	27685 (2307.5MHz), 27710 (2310.0MHz), 27735 (2312.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		27710	27710 (2310.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Emission Mask	27685 to 27735	27685 (2307.5MHz), 27735 (2312.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		27710	27710 (2310.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
-	Conducted Emission	27685 to 27735	27685 (2307.5MHz), 27710 (2310.0MHz), 27735 (2312.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		27710	27710 (2310.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	27710	27710 (2310.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	27685 to 27735	27685 (2307.5MHz), 27710 (2310.0MHz), 27735 (2312.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		27710	27710 (2310.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

LTE Band 38

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	37775 to 38225	37775 (2572.5MHz), 38000 (2595.0MHz), 38225 (2617.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		37800 to 38200	37800 (2575.0MHz), 38000 (2595.0MHz), 38200 (2615.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		37825 to 38175	37825 (2577.5MHz), 38000 (2595.0MHz), 38175 (2612.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		37850 to 38150	37850 (2580.0MHz), 38000 (2595.0MHz), 38150 (2610.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	37850 to 38150	38000 (2595.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Frequency Stability	37775 to 38225	37775 (2572.5MHz), 38225 (2617.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		37800 to 38200	37800 (2575.0MHz), 38200 (2615.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
		37825 to 38175	37825 (2577.5MHz), 38175 (2612.5MHz)	15MHz	QPSK	75 RB / 0 RB Offset
		37850 to 38150	37850 (2580.0MHz), 38150 (2610.0MHz)	20MHz	QPSK	100 RB / 0 RB Offset
-	Emission Bandwidth	37775 to 38225	37775 (2572.5MHz), 38000 (2595.0MHz), 38225 (2617.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		37800 to 38200	37800 (2575.0MHz), 38000 (2595.0MHz), 38200 (2615.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
		37825 to 38175	37825 (2577.5MHz), 38000 (2595.0MHz), 38175 (2612.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		37850 to 38150	37850 (2580.0MHz), 38000 (2595.0MHz), 38150 (2610.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Out-of-Band Emissions	37775 to 38225	37775 (2572.5MHz), 38225 (2617.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		37800 to 38200	37800 (2575.0MHz), 38200 (2615.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		37825 to 38175	37825 (2577.5MHz), 38175 (2612.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		37850 to 38150	37850 (2580.0MHz), 38150 (2610.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak to Average Ratio	37775 to 38225	37775 (2572.5MHz), 38000 (2595.0MHz), 38225 (2617.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		37800 to 38200	37800 (2575.0MHz), 38000 (2595.0MHz), 38200 (2615.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		37825 to 38175	37825 (2577.5MHz), 38000 (2595.0MHz), 38175 (2612.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		37850 to 38150	37850 (2580.0MHz), 38000 (2595.0MHz), 38150 (2610.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Conducted Emission	37775 to 38225	37775 (2572.5MHz), 38000 (2595.0MHz), 38225 (2617.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		37800 to 38200	37800 (2575.0MHz), 38000 (2595.0MHz), 38200 (2615.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		37825 to 38175	37825 (2577.5MHz), 38000 (2595.0MHz), 38175 (2612.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		37850 to 38150	37850 (2580.0MHz), 38000 (2595.0MHz), 38150 (2610.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	37850 to 38150	38000 (2595.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	37775 to 38225	37775 (2572.5MHz), 38000 (2595.0MHz), 38225 (2617.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		37850 to 38150	37850 (2580.0MHz), 38000 (2595.0MHz), 38150 (2610.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

LTE Band 41

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	39675 to 41565	39675 (2498.5MHz), 40620 (2593.0MHz), 41565 (2687.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		39700 to 41540	39700 (2501.0MHz), 40620 (2593.0MHz), 41540 (2685.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		39725 to 41515	39725 (2503.5MHz), 40620 (2593.0MHz), 41515 (2682.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		39750 to 41490	39750 (2506.0MHz), 40620 (2593.0MHz), 41490 (2680.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	39750 to 41490	40620 (2593.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Frequency Stability	39675 to 41565	39675 (2498.5MHz), 41565 (2687.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		39700 to 41540	39700 (2501.0MHz), 41540 (2685.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
		39725 to 41515	39725 (2503.5MHz), 41515 (2682.5MHz)	15MHz	QPSK	75 RB / 0 RB Offset
		39750 to 41490	39750 (2506.0MHz), 41490 (2680.0MHz)	20MHz	QPSK	100 RB / 0 RB Offset
-	Emission Bandwidth	39675 to 41565	39675 (2498.5MHz), 40620 (2593.0MHz), 41565 (2687.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		39700 to 41540	39700 (2501.0MHz), 40620 (2593.0MHz), 41540 (2685.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
		39725 to 41515	39725 (2503.5MHz), 40620 (2593.0MHz), 41515 (2682.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		39750 to 41490	39750 (2506.0MHz), 40620 (2593.0MHz), 41490 (2680.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Out-of-Band Emissions	39675 to 41565	39675 (2498.5MHz), 41565 (2687.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		39700 to 41540	39700 (2501.0MHz), 41540 (2685.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		39725 to 41515	39725 (2503.5MHz), 41515 (2682.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		39750 to 41490	39750 (2506.0MHz), 41490 (2680.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak to Average Ratio	39675 to 41565	39675 (2498.5MHz), 40620 (2593.0MHz), 41565 (2687.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		39700 to 41540	39700 (2501.0MHz), 40620 (2593.0MHz), 41540 (2685.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		39725 to 41515	39725 (2503.5MHz), 40620 (2593.0MHz), 41515 (2682.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		39750 to 41490	39750 (2506.0MHz), 40620 (2593.0MHz), 41490 (2680.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Conducted Emission	39675 to 41565	39675 (2498.5MHz), 40620 (2593.0MHz), 41565 (2687.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	39700 (2501.0MHz), 40620 (2593.0MHz), 41540 (2685.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		39725 to 41515	39725 (2503.5MHz), 40620 (2593.0MHz), 41515 (2682.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	39750 (2506.0MHz), 40620 (2593.0MHz), 41490 (2680.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	39750 to 41490	40620 (2593.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	39675 to 41565	39675 (2498.5MHz), 40620 (2593.0MHz), 41565 (2687.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	39750 (2506.0MHz), 40620 (2593.0MHz), 41490 (2680.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

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EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	131979 to 132665	131979 (1710.7MHz), 132322 (1745.0MHz), 132665 (1779.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		131987 to 132657	131987 (1711.5MHz), 132322 (1745.0MHz), 132657 (1778.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132322 (1745.0MHz), 132647 (1777.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		132022 to 132622	132022 (1715.0MHz), 132322 (1745.0MHz), 132622 (1775.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		132047 to 132597	132047 (1717.5MHz), 132322 (1745.0MHz), 132597 (1772.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132322 (1745.0MHz), 132572 (1770.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	132072 to 132572	132322 (1745.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Frequency Stability	131979 to 132665	131979 (1710.7MHz), 132665 (1779.3MHz)	1.4MHz	QPSK	6 RB / 0 RB Offset
		131987 to 132657	131987 (1711.5MHz), 132657 (1778.5MHz)	3MHz	QPSK	15 RB / 0 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132647 (1777.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		132022 to 132622	132022 (1715.0MHz), 132622 (1775.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
		132047 to 132597	132047 (1717.5MHz), 132597 (1772.5MHz)	15MHz	QPSK	75 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132572 (1770.0MHz)	20MHz	QPSK	100 RB / 0 RB Offset
-	Emission Bandwidth	131979 to 132665	131979 (1710.7MHz), 132322 (1745.0MHz), 132665 (1779.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	6 RB / 0RB Offset
		131987 to 132657	131987 (1711.5MHz), 132322 (1745.0MHz), 132657 (1778.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	15 RB / 0RB Offset
		131997 to 132647	131997 (1712.5MHz), 132322 (1745.0MHz), 132647 (1777.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25RB / 0RB Offset
		132022 to 132622	132022 (1715.0MHz), 132322 (1745.0MHz), 132622 (1775.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50RB / 0RB Offset
		132047 to 132597	132047 (1717.5MHz), 132322 (1745.0MHz), 132597 (1772.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132322 (1745.0MHz), 132572 (1770.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Band Edge	131979 to 132665	131979 (1710.7MHz), 132665 (1779.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset 1 RB / 5 RB Offset 6 RB / 0 RB Offset
		131987 to 132657	131987 (1711.5MHz), 132657 (1778.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset 1 RB / 14 RB Offset 15 RB / 0 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132647 (1777.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		132022 to 132622	132022 (1715.0MHz), 132622 (1775.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		132047 to 132597	132047 (1717.5MHz), 132597 (1772.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132572 (1770.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak to Average Ratio	131979 to 132665	131979 (1710.7MHz), 132322 (1745.0MHz), 132665 (1779.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		131987 to 132657	131987 (1711.5MHz), 132322 (1745.0MHz), 132657 (1778.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132322 (1745.0MHz), 132647 (1777.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		132022 to 132622	132022 (1715.0MHz), 132322 (1745.0MHz), 132622 (1775.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		132047 to 132597	132047 (1717.5MHz), 132322 (1745.0MHz), 132597 (1772.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132322 (1745.0MHz), 132572 (1770.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Conducted Emission	131979 to 132665	131979 (1710.7MHz), 132322 (1745.0MHz), 132665 (1779.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	131987 (1711.5MHz), 132322 (1745.0MHz), 132657 (1778.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132322 (1745.0MHz), 132647 (1777.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132022 (1715.0MHz), 132322 (1745.0MHz), 132622 (1775.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132047 (1717.5MHz), 132322 (1745.0MHz), 132597 (1772.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132322 (1745.0MHz), 132572 (1770.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Radiated Emission Below 1GHz	132072 to 132572	132322 (1745.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	131979 to 132665	131979 (1710.7MHz), 132322 (1745.0MHz), 132665 (1779.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132322 (1745.0MHz), 132647 (1777.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132322 (1745.0MHz), 132572 (1770.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the lowest, 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

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EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	133147 to 133447	133147 (665.5MHz), 133297 (680.5MHz), 133447 (695.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		133172 to 133422	133172 (668.0MHz), 133297 (680.5MHz), 133422 (693.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		133197 to 133397	133197 (670.5MHz), 133297 (680.5MHz), 133397 (690.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		133222 to 133372	133222 (673.0MHz), 133297 (680.5MHz), 133372 (688.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	133222 to 133372	133297 (680.5MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Frequency Stability	133147 to 133447	133147 (665.5MHz), 133447 (695.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		133172 to 133422	133172 (668.0MHz), 133422 (693.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
		133197 to 133397	133197 (670.5MHz), 133397 (690.5MHz)	15MHz	QPSK	75 RB / 0 RB Offset
		133222 to 133372	133222 (673.0MHz), 133372 (688.0MHz)	20MHz	QPSK	100 RB / 0 RB Offset
-	Emission Bandwidth	133147 to 133447	133147 (665.5MHz), 133297 (680.5MHz), 133447 (695.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		133172 to 133422	133172 (668.0MHz), 133297 (680.5MHz), 133422 (693.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
		133197 to 133397	133197 (670.5MHz), 133297 (680.5MHz), 133397 (690.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		133222 to 133372	133222 (673.0MHz), 133297 (680.5MHz), 133372 (688.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Band Edge	133147 to 133447	133147 (665.5MHz), 133447 (695.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		133172 to 133422	133172 (668.0MHz), 133422 (693.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		133197 to 133397	133197 (670.5MHz), 133397 (690.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		133222 to 133372	133222 (673.0MHz), 133372 (688.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak to Average Ratio	133147 to 133447	133147 (665.5MHz), 133297 (680.5MHz), 133447 (695.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		133172 to 133422	133172 (668.0MHz), 133297 (680.5MHz), 133422 (693.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		133197 to 133397	133197 (670.5MHz), 133297 (680.5MHz), 133397 (690.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		133222 to 133372	133222 (673.0MHz), 133297 (680.5MHz), 133372 (688.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Conducted Emission	133147 to 133447	133147 (665.5MHz), 133297 (680.5MHz), 133447 (695.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		133172 to 133422	133172 (668.0MHz), 133297 (680.5MHz), 133422 (693.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		133197 to 133397	133197 (670.5MHz), 133297 (680.5MHz), 133397 (690.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		133222 to 133372	133222 (673.0MHz), 133297 (680.5MHz), 133372 (688.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	133222 to 133372	133297 (680.5MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	133147 to 133447	133147 (665.5MHz), 133297 (680.5MHz), 133447 (695.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		133222 to 133372	133222 (673.0MHz), 133297 (680.5MHz), 133372 (688.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under QPSK mode only.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
EIRP / ERP	22deg. C, 66%RH	120Vac, 60Hz	Han Wu
Modulation characteristics	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Frequency Stability	22deg. C, 66%RH	3.85Vdc	Gavin Wu
Occupied Bandwidth	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Band Edge	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Peak To Average Ratio	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Conducted Emission	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Radiated Emission	22deg. C, 66%RH	120Vac, 60Hz	Han Wu

3.4 EUT Operating Conditions

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

3.5 General Description of Applied Standards and References

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards and References:

Test Standard:

FCC 47 CFR Part 2

FCC 47 CFR Part 27

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

References Test Guidance:

KDB 971168 D01 Power Meas License Digital Systems v03r01

All test items have been performed as a reference to the above KDB test guidance.

4 Test Types and Results

4.1 Output Power Measurement

4.1.1 Limits of Output Power Measurement

For LTE Band 4, LTE Band 66:
Mobile / Portable station are limited to 1 watts e.i.r.p.

For LTE Band 12, LTE Band 13, LTE Band 17, LTE Band 71:
Control and mobile stations in the 698-746 MHz, 746-757 MHz, 787-788 MHz and 805-806 MHz band are limited to 30 watts ERP.
Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink, 746-757 MHz,787-788 MHz and 805-806 MHz band are limited to 3 watts ERP.

For LTE Band 30:
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 LTE Band 7, LTE Band 38, LTE Band 41:
Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

4.1.2 Test Procedures

EIRP / ERP Measurement:

a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m(below or equal 1GHz) and/or 1.5m(above 1GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.

b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.

d. Following C63.26 section 5.2.7 and 5.2.2.4
   - EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.
   - ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

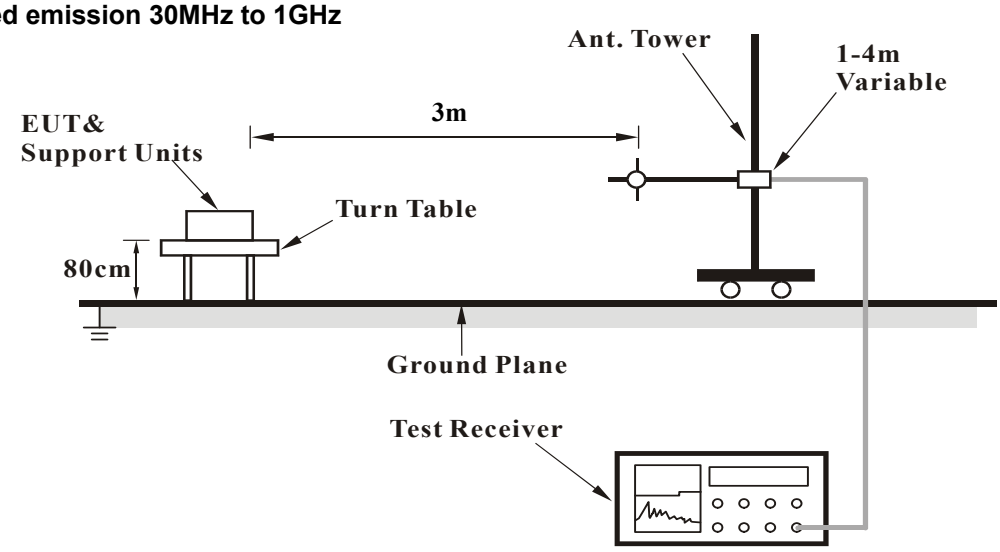
Conducted Power Measurement:

The EUT was set up for the maximum power with LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

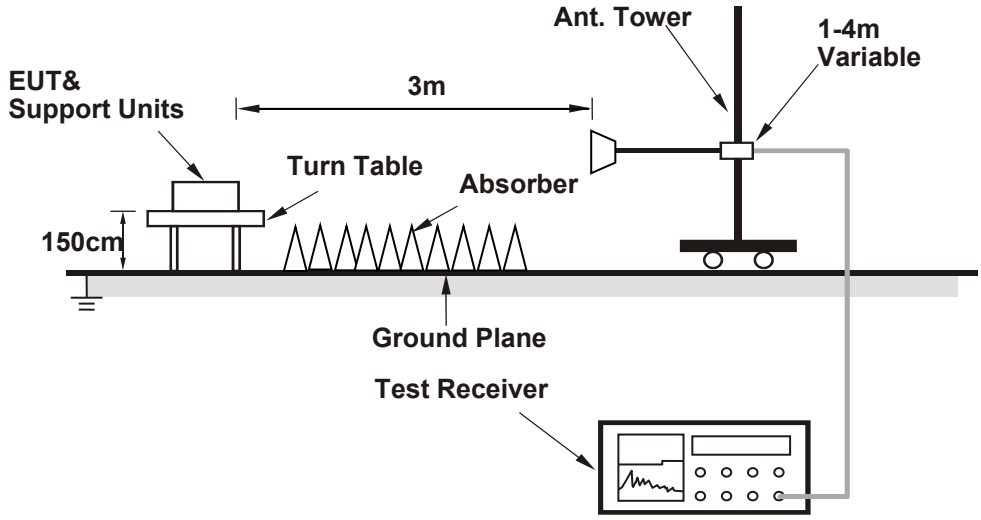
4.1.3 Test Setup

EIRP / ERP Measurement:

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

Conducted Power Measurement:

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.4 Test Results

Note: Conducted output power is for reference, and its EIRP/ERP power is mainly tested in radiated mode.

Conducted Output Power (dBm/5MHz for LTE Band 30 only)

LTE Band 4						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20050	20175	20300
		Frequency (MHz)		1720	1732.5	1745
20M	QPSK	1	0	22.80	22.90	23.00
		1	50	22.71	22.79	22.89
		1	99	22.69	22.77	22.87
		50	0	21.82	21.90	22.00
		50	25	21.79	21.87	21.97
		50	50	21.76	21.84	21.94
		100	0	21.81	21.89	21.99
	16QAM	1	0	21.79	21.87	21.97
		1	50	21.72	21.80	21.90
		1	99	21.69	21.77	21.87
		50	0	20.80	20.88	20.98
		50	25	20.76	20.84	20.94
		50	50	20.75	20.83	20.93
		100	0	20.79	20.87	20.97
	64QAM	1	0	20.82	20.90	21.00
		1	50	20.78	20.86	20.96
		1	99	20.72	20.80	20.90
		50	0	19.79	19.87	19.97
		50	25	19.75	19.83	19.93
		50	50	19.72	19.80	19.90
		100	0	19.79	19.87	19.97
	256QAM	1	0	17.76	17.84	17.94
		1	50	17.72	17.80	17.90
		1	99	17.68	17.76	17.86
		50	0	17.75	17.83	17.93
		50	25	17.69	17.77	17.87
		50	50	17.69	17.77	17.87
		100	0	17.79	17.87	17.98

LTE Band 4						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20025	20175	20325
		Frequency (MHz)		1717.5	1732.5	1747.5
15M	QPSK	1	0	22.70	22.89	22.97
		1	37	22.66	22.78	22.83
		1	74	22.61	22.70	22.85
		36	0	21.80	21.80	21.95
		36	19	21.69	21.84	21.88
		36	39	21.72	21.77	21.91
		75	0	21.80	21.84	21.93
	16QAM	1	0	21.75	21.85	21.87
		1	37	21.66	21.76	21.83
		1	74	21.66	21.76	21.84
		36	0	20.72	20.83	20.94
		36	19	20.74	20.77	20.90
		36	39	20.67	20.75	20.86
		75	0	20.77	20.78	20.97
	64QAM	1	0	20.74	20.83	20.91
		1	37	20.76	20.84	20.92
		1	74	20.67	20.70	20.82
		36	0	19.78	19.84	19.91
		36	19	19.66	19.80	19.83
		36	39	19.62	19.80	19.83
		75	0	19.77	19.87	19.88
	256QAM	1	0	17.76	17.82	17.86
		1	37	17.67	17.73	17.84
		1	74	17.68	17.75	17.85
		36	0	17.75	17.78	17.91
		36	19	17.64	17.73	17.82
		36	39	17.68	17.73	17.84
		75	0	17.79	17.87	17.88

LTE Band 4						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20000	20175	20350
		Frequency (MHz)		1715	1732.5	1750
10M	QPSK	1	0	22.75	22.85	22.91
		1	24	22.50	22.65	22.73
		1	49	22.58	22.74	22.74
		25	0	21.78	21.85	21.89
		25	12	21.69	21.74	21.84
		25	25	21.69	21.82	21.81
		50	0	21.70	21.84	21.90
	16QAM	1	0	21.56	21.68	21.78
		1	24	21.64	21.60	21.84
		1	49	21.50	21.65	21.76
		25	0	20.65	20.76	20.95
		25	12	20.62	20.76	20.78
		25	25	20.64	20.68	20.71
		50	0	20.64	20.70	20.85
	64QAM	1	0	20.63	20.77	20.83
		1	24	20.66	20.76	20.87
		1	49	20.58	20.71	20.78
		25	0	19.65	19.78	19.85
		25	12	19.61	19.74	19.85
		25	25	19.56	19.73	19.78
		50	0	19.63	19.79	19.88
	256QAM	1	0	17.72	17.68	17.79
		1	24	17.65	17.61	17.66
		1	49	17.53	17.57	17.75
		25	0	17.66	17.78	17.82
		25	12	17.63	17.64	17.74
		25	25	17.52	17.68	17.76
		50	0	17.66	17.79	17.77

LTE Band 4						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19975	20175	20375
		Frequency (MHz)		1712.5	1732.5	1752.5
5M	QPSK	1	0	22.69	22.70	22.81
		1	12	22.65	22.72	22.65
		1	24	22.66	22.64	22.59
		12	0	21.71	21.82	21.85
		12	6	21.64	21.86	21.76
		12	13	21.65	21.78	21.73
		25	0	21.63	21.82	21.78
	16QAM	1	0	21.70	21.70	21.84
		1	12	21.62	21.72	21.85
		1	24	21.51	21.69	21.82
		12	0	20.76	20.77	20.91
		12	6	20.64	20.75	20.92
		12	13	20.63	20.67	20.81
		25	0	20.69	20.80	20.78
	64QAM	1	0	20.62	20.73	20.90
		1	12	20.71	20.78	20.72
		1	24	20.52	20.63	20.74
		12	0	19.76	19.82	19.82
		12	6	19.53	19.66	19.85
		12	13	19.61	19.63	19.68
		25	0	19.74	19.75	19.81
	256QAM	1	0	17.69	17.70	17.79
		1	12	17.50	17.72	17.79
		1	24	17.60	17.64	17.67
		12	0	17.56	17.71	17.81
		12	6	17.62	17.57	17.84
		12	13	17.60	17.64	17.79
		25	0	17.69	17.77	17.85

LTE Band 4						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19965	20175	20385
		Frequency (MHz)		1711.5	1732.5	1753.5
3M	QPSK	1	0	22.75	22.76	22.89
		1	7	22.66	22.75	22.77
		1	14	22.53	22.63	22.71
		8	0	21.68	21.74	21.82
		8	3	21.59	21.70	21.96
		8	7	21.65	21.70	21.71
		15	0	21.74	21.82	21.88
	16QAM	1	0	21.65	21.63	21.76
		1	7	21.52	21.71	21.77
		1	14	21.54	21.63	21.72
		8	0	20.70	20.70	20.86
		8	3	20.68	20.75	20.70
		8	7	20.62	20.68	20.77
		15	0	20.72	20.66	20.80
	64QAM	1	0	20.68	20.89	20.80
		1	7	20.65	20.78	20.73
		1	14	20.60	20.63	20.76
		8	0	19.58	19.85	19.87
		8	3	19.61	19.66	19.80
		8	7	19.55	19.64	19.68
		15	0	19.72	19.74	19.80
	256QAM	1	0	17.63	17.65	17.87
		1	7	17.55	17.68	17.79
		1	14	17.65	17.57	17.75
		8	0	17.63	17.71	17.85
		8	3	17.50	17.61	17.65
		8	7	17.55	17.61	17.78
		15	0	17.61	17.70	17.75

LTE Band 4						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		19957	20175	20393
		Frequency (MHz)		1710.7	1732.5	1754.3
1.4M	QPSK	1	0	22.75	22.88	22.92
		1	2	22.54	22.63	22.72
		1	5	22.59	22.58	22.68
		3	0	21.65	21.88	21.81
		3	1	21.60	21.76	21.87
		3	3	21.62	21.82	21.85
		6	0	21.68	21.73	21.84
	16QAM	1	0	21.71	21.77	21.84
		1	2	21.64	21.67	21.66
		1	5	21.49	21.66	21.67
		3	0	20.76	20.76	20.81
		3	1	20.62	20.74	20.89
		3	3	20.64	20.66	20.86
		6	0	20.61	20.84	20.88
	64QAM	1	0	20.72	20.79	20.82
		1	2	20.76	20.68	20.82
		1	5	20.55	20.64	20.80
		3	0	19.65	19.84	19.88
		3	1	19.66	19.65	19.86
		3	3	19.58	19.71	19.66
		6	0	19.58	19.72	19.73
	256QAM	1	0	17.57	17.70	17.81
		1	2	17.69	17.65	17.79
		1	5	17.46	17.55	17.83
		3	0	17.69	17.66	17.84
		3	1	17.54	17.70	17.78
		3	3	17.60	17.65	17.78
		6	0	17.68	17.67	17.75

LTE Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20850	21100	21350
		Frequency (MHz)		2510	2535	2560
20M	QPSK	1	0	23.47	23.44	23.50
		1	50	23.47	23.40	23.48
		1	99	23.38	23.39	23.45
		50	0	22.45	22.44	22.49
		50	25	22.39	22.31	22.41
		50	50	22.39	22.34	22.40
		100	0	22.38	22.37	22.45
	16QAM	1	0	22.41	22.39	22.48
		1	50	22.42	22.37	22.47
		1	99	22.36	22.35	22.43
		50	0	21.45	21.37	21.47
		50	25	21.41	21.41	21.44
		50	50	21.39	21.39	21.39
		100	0	21.37	21.44	21.46
	64QAM	1	0	21.48	21.40	21.50
		1	50	21.45	21.40	21.47
		1	99	21.40	21.42	21.42
		50	0	20.44	20.37	20.47
		50	25	20.40	20.34	20.41
		50	50	20.34	20.37	20.40
		100	0	20.48	20.43	20.50
	256QAM	1	0	18.41	18.43	18.50
		1	50	18.45	18.38	18.47
		1	99	18.46	18.39	18.47
		50	0	18.38	18.39	18.46
		50	25	18.41	18.41	18.42
		50	50	18.33	18.31	18.40
		100	0	18.45	18.45	18.45

LTE Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20825	21100	21375
		Frequency (MHz)		2507.5	2535	2562.5
15M	QPSK	1	0	23.47	23.35	23.42
		1	37	23.39	23.40	23.43
		1	74	23.31	23.33	23.44
		36	0	22.45	22.41	22.42
		36	19	22.36	22.31	22.33
		36	39	22.33	22.30	22.30
		75	0	22.37	22.28	22.44
	16QAM	1	0	22.36	22.33	22.43
		1	37	22.39	22.35	22.37
		1	74	22.30	22.33	22.35
		36	0	21.41	21.34	21.41
		36	19	21.37	21.41	21.35
		36	39	21.37	21.30	21.30
		75	0	21.36	21.35	21.42
	64QAM	1	0	21.43	21.39	21.40
		1	37	21.41	21.34	21.45
		1	74	21.39	21.34	21.40
		36	0	20.42	20.30	20.45
		36	19	20.36	20.31	20.34
		36	39	20.31	20.36	20.35
		75	0	20.46	20.42	20.49
	256QAM	1	0	18.39	18.41	18.40
		1	37	18.45	18.32	18.39
		1	74	18.40	18.29	18.44
		36	0	18.33	18.36	18.44
		36	19	18.35	18.36	18.32
		36	39	18.29	18.29	18.33
		75	0	18.38	18.45	18.42

LTE Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20800	21100	21400
		Frequency (MHz)		2505	2535	2565
10M	QPSK	1	0	23.31	23.20	23.41
		1	24	23.43	23.25	23.30
		1	49	23.23	23.35	23.35
		25	0	22.33	22.35	22.28
		25	12	22.25	22.16	22.32
		25	25	22.32	22.12	22.20
		50	0	22.35	22.14	22.35
	16QAM	1	0	22.32	22.24	22.39
		1	24	22.29	22.23	22.33
		1	49	22.16	22.18	22.28
		25	0	21.39	21.15	21.33
		25	12	21.36	21.31	21.27
		25	25	21.20	21.25	21.35
		50	0	21.28	21.31	21.24
	64QAM	1	0	21.43	21.24	21.39
		1	24	21.37	21.32	21.34
		1	49	21.35	21.21	21.26
		25	0	20.29	20.14	20.37
		25	12	20.35	20.28	20.22
		25	25	20.24	20.35	20.32
		50	0	20.27	20.30	20.48
	256QAM	1	0	18.24	18.30	18.43
		1	24	18.29	18.31	18.25
		1	49	18.36	18.27	18.31
		25	0	18.23	18.20	18.28
		25	12	18.27	18.36	18.31
		25	25	18.31	18.19	18.25
		50	0	18.29	18.25	18.29

LTE Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20775	21100	21425
		Frequency (MHz)		2502.5	2535	2567.5
5M	QPSK	1	0	23.36	23.34	23.39
		1	12	23.33	23.19	23.24
		1	24	23.24	23.15	23.17
		12	0	22.34	22.34	22.34
		12	6	22.23	22.20	22.21
		12	13	22.21	22.27	22.25
		25	0	22.30	22.21	22.24
	16QAM	1	0	22.37	22.24	22.32
		1	12	22.25	22.24	22.38
		1	24	22.16	22.23	22.32
		12	0	21.27	21.29	21.28
		12	6	21.37	21.32	21.26
		12	13	21.30	21.24	21.32
		25	0	21.36	21.27	21.38
	64QAM	1	0	21.26	21.21	21.34
		1	12	21.39	21.29	21.28
		1	24	21.20	21.26	21.27
		12	0	20.33	20.27	20.26
		12	6	20.26	20.28	20.27
		12	13	20.20	20.22	20.27
		25	0	20.46	20.18	20.38
	256QAM	1	0	18.28	18.36	18.40
		1	12	18.20	18.28	18.31
		1	24	18.38	18.25	18.29
		12	0	18.33	18.18	18.33
		12	6	18.35	18.34	18.32
		12	13	18.13	18.12	18.22
		25	0	18.34	18.29	18.32

LTE Band 12						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23060	23095	23130
		Frequency (MHz)		704	707.5	711
10M	QPSK	1	0	22.87	22.95	23.00
		1	24	22.72	22.80	22.90
		1	49	22.65	22.77	22.88
		25	0	21.78	21.85	22.00
		25	12	21.82	21.89	21.96
		25	25	21.70	21.79	21.94
		50	0	21.72	21.84	21.98
	16QAM	1	0	21.76	21.86	22.00
		1	24	21.63	21.77	21.90
		1	49	21.68	21.79	21.88
		25	0	21.69	21.76	21.87
		25	12	21.67	21.76	21.83
		25	25	21.62	21.75	21.80
		50	0	21.62	21.76	21.88
	64QAM	1	0	20.64	20.81	20.96
		1	24	20.69	20.81	20.93
		1	49	20.68	20.78	20.90
		25	0	20.72	20.89	20.95
		25	12	20.68	20.85	20.92
		25	25	20.65	20.76	20.90
		50	0	20.72	20.79	20.94
	256QAM	1	0	17.76	17.92	17.99
		1	24	17.70	17.84	17.96
		1	49	17.74	17.86	17.92
		25	0	17.75	17.82	17.96
		25	12	17.64	17.81	17.94
		25	25	17.76	17.84	17.90
		50	0	17.79	17.89	17.95

LTE Band 12						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23035	23095	23155
		Frequency (MHz)		701.5	707.5	713.5
5M	QPSK	1	0	22.81	22.87	22.90
		1	12	22.71	22.71	22.85
		1	24	22.60	22.73	22.88
		12	0	21.71	21.75	21.93
		12	6	21.80	21.81	21.91
		12	13	21.61	21.69	21.87
		25	0	21.64	21.82	21.91
	16QAM	1	0	21.75	21.83	21.91
		1	12	21.60	21.77	21.87
		1	24	21.67	21.77	21.87
		12	0	21.59	21.66	21.83
		12	6	21.64	21.72	21.79
		12	13	21.58	21.67	21.77
		25	0	21.59	21.70	21.79
	64QAM	1	0	20.57	20.79	20.92
		1	12	20.67	20.72	20.86
		1	24	20.58	20.74	20.84
		12	0	20.70	20.82	20.90
		12	6	20.64	20.81	20.87
		12	13	20.59	20.74	20.83
		25	0	20.66	20.79	20.94
	256QAM	1	0	17.69	17.89	17.99
		1	12	17.70	17.83	17.87
		1	24	17.68	17.85	17.83
		12	0	17.74	17.77	17.93
		12	6	17.60	17.75	17.87
		12	13	17.76	17.77	17.82
		25	0	17.74	17.83	17.92

LTE Band 12						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23025	23095	23165
		Frequency (MHz)		700.5	707.5	714.5
3M	QPSK	1	0	22.72	22.79	22.89
		1	7	22.70	22.66	22.85
		1	14	22.59	22.63	22.79
		8	0	21.64	21.69	21.86
		8	3	21.67	21.78	21.76
		8	7	21.54	21.54	21.77
		15	0	21.63	21.81	21.91
	16QAM	1	0	21.65	21.81	21.87
		1	7	21.52	21.71	21.70
		1	14	21.54	21.58	21.88
		8	0	21.46	21.54	21.65
		8	3	21.58	21.53	21.81
		8	7	21.41	21.64	21.67
		15	0	21.48	21.66	21.77
	64QAM	1	0	20.42	20.65	20.87
		1	7	20.57	20.63	20.77
		1	14	20.46	20.66	20.65
		8	0	20.68	20.87	20.82
		8	3	20.59	20.75	20.77
		8	7	20.51	20.59	20.67
		15	0	20.61	20.70	20.76
	256QAM	1	0	17.54	17.81	17.80
		1	7	17.62	17.68	17.79
		1	14	17.72	17.77	17.71
		8	0	17.64	17.73	17.89
		8	3	17.46	17.66	17.79
		8	7	17.62	17.68	17.81
		15	0	17.67	17.84	17.84

LTE Band 12						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23017	23095	23173
		Frequency (MHz)		699.7	707.5	715.3
1.4M	QPSK	1	0	22.67	22.81	22.66
		1	2	22.48	22.70	22.64
		1	5	22.42	22.61	22.70
		3	0	21.76	21.73	21.80
		3	1	21.71	21.85	21.72
		3	3	21.53	21.73	21.77
		6	0	21.48	21.65	21.71
	16QAM	1	0	21.64	21.76	21.77
		1	2	21.62	21.66	21.79
		1	5	21.57	21.69	21.79
		3	0	21.44	21.68	21.76
		3	1	21.65	21.72	21.79
		3	3	21.58	21.53	21.68
		6	0	21.58	21.60	21.80
	64QAM	1	0	20.48	20.65	20.93
		1	2	20.55	20.65	20.70
		1	5	20.55	20.64	20.69
		3	0	20.70	20.73	20.75
		3	1	20.57	20.71	20.88
		3	3	20.48	20.56	20.80
		6	0	20.58	20.67	20.91
	256QAM	1	0	17.64	17.68	17.76
		1	2	17.61	17.62	17.80
		1	5	17.63	17.77	17.89
		3	0	17.57	17.65	17.77
		3	1	17.46	17.66	17.74
		3	3	17.69	17.76	17.72
		6	0	17.72	17.77	17.83

LTE Band 13				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		23230
		Frequency (MHz)		782
10M	QPSK	1	0	22.97
		1	24	22.86
		1	49	22.78
		25	0	21.93
		25	12	21.89
		25	25	21.79
		50	0	21.8
	16QAM	1	0	21.93
		1	24	21.89
		1	49	21.80
		25	0	20.84
		25	12	20.76
		25	25	20.72
		50	0	20.80
	64QAM	1	0	20.94
		1	24	20.91
		1	49	20.83
		25	0	19.88
		25	12	19.85
		25	25	19.85
		50	0	19.89
	256QAM	1	0	17.83
		1	24	17.79
		1	49	17.74
		25	0	17.80
		25	12	17.80
		25	25	17.70
		50	0	17.81

LTE Band 13						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23205	23230	23255
		Frequency (MHz)		779.5	782	784.5
5M	QPSK	1	0	22.87	22.92	22.90
		1	12	22.83	22.84	22.78
		1	24	22.69	22.70	22.69
		12	0	21.89	21.89	21.89
		12	6	21.88	21.83	21.86
		12	13	21.76	21.79	21.79
		25	0	21.76	21.77	21.77
	16QAM	1	0	21.83	21.88	21.92
		1	12	21.87	21.88	21.86
		1	24	21.79	21.78	21.75
		12	0	20.77	20.74	20.84
		12	6	20.69	20.72	20.72
		12	13	20.66	20.64	20.63
		25	0	20.79	20.79	20.75
	64QAM	1	0	20.94	20.93	20.93
		1	12	20.86	20.84	20.87
		1	24	20.82	20.83	20.73
		12	0	19.83	19.85	19.80
		12	6	19.82	19.84	19.77
		12	13	19.81	19.78	19.78
		25	0	19.85	19.83	19.89
	256QAM	1	0	17.74	17.75	17.80
		1	12	17.75	17.77	17.69
		1	24	17.71	17.66	17.65
		12	0	17.75	17.70	17.70
		12	6	17.72	17.73	17.80
		12	13	17.64	17.68	17.60
		25	0	17.80	17.79	17.77

LTE Band 17						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23780	23790	23800
		Frequency (MHz)		709	710	711
10M	QPSK	1	0	22.88	22.83	22.90
		1	24	22.83	22.79	22.88
		1	49	22.81	22.75	22.83
		25	0	21.89	21.89	21.97
		25	12	21.89	21.93	21.95
		25	25	21.86	21.86	21.90
		50	0	21.87	21.91	21.95
	16QAM	1	0	21.97	21.94	21.99
		1	24	21.96	21.91	21.96
		1	49	21.84	21.87	21.91
		25	0	20.84	20.90	20.90
		25	12	20.81	20.81	20.87
		25	25	20.75	20.77	20.83
		50	0	20.87	20.81	20.89
	64QAM	1	0	20.97	20.99	20.99
		1	24	20.85	20.80	20.90
		1	49	20.79	20.86	20.87
		25	0	19.87	19.93	19.97
		25	12	19.88	19.93	19.93
		25	25	19.80	19.86	19.88
		50	0	19.89	19.91	19.99
	256QAM	1	0	17.95	17.86	17.96
		1	24	17.84	17.81	17.91
		1	49	17.82	17.89	17.90
		25	0	17.91	17.96	17.97
		25	12	17.87	17.83	17.93
		25	25	17.85	17.82	17.89
		50	0	17.97	17.95	17.97

LTE Band 17						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23755	23790	23825
		Frequency (MHz)		706.5	710	713.5
5M	QPSK	1	0	22.84	22.76	22.80
		1	12	22.74	22.74	22.81
		1	24	22.72	22.67	22.73
		12	0	21.80	21.85	21.88
		12	6	21.84	21.91	21.94
		12	13	21.79	21.79	21.90
		25	0	21.86	21.87	21.87
	16QAM	1	0	21.95	21.85	21.92
		1	12	21.87	21.81	21.91
		1	24	21.78	21.79	21.87
		12	0	20.82	20.81	20.89
		12	6	20.75	20.79	20.77
		12	13	20.73	20.70	20.75
		25	0	20.77	20.73	20.80
	64QAM	1	0	20.92	20.97	20.99
		1	12	20.80	20.78	20.83
		1	24	20.72	20.81	20.78
		12	0	19.84	19.88	19.92
		12	6	19.82	19.83	19.93
		12	13	19.74	19.77	19.86
		25	0	19.84	19.86	19.94
	256QAM	1	0	17.92	17.80	17.87
		1	12	17.82	17.77	17.89
		1	24	17.81	17.88	17.83
		12	0	17.82	17.90	17.92
		12	6	17.82	17.77	17.92
		12	13	17.82	17.82	17.83
		25	0	17.90	17.94	17.91

LTE Band 30				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		27710
		Frequency (MHz)		2310
10M	QPSK	1	0	22.42
		1	24	22.39
		1	49	22.35
		25	0	21.46
		25	12	21.45
		25	25	21.43
		50	0	21.48
	16QAM	1	0	21.50
		1	24	21.48
		1	49	21.45
		25	0	20.47
		25	12	20.45
		25	25	20.45
		50	0	20.46
	64QAM	1	0	20.48
		1	24	20.47
		1	49	20.41
		25	0	19.45
		25	12	19.44
		25	25	19.41
		50	0	19.45
	256QAM	1	0	17.50
		1	24	17.44
		1	49	17.39
		25	0	17.46
		25	12	17.43
		25	25	17.40
		50	0	17.45

LTE Band 30						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		27685	27710	27735
		Frequency (MHz)		2307.5	2310	2312.5
5M	QPSK	1	0	22.34	22.39	22.36
		1	12	22.39	22.39	22.32
		1	24	22.29	22.34	22.28
		12	0	21.37	21.36	21.36
		12	6	21.43	21.44	21.45
		12	13	21.33	21.43	21.37
		25	0	21.40	21.43	21.38
	16QAM	1	0	21.48	21.46	21.44
		1	12	21.38	21.47	21.38
		1	24	21.36	21.45	21.38
		12	0	20.46	20.39	20.38
		12	6	20.45	20.39	20.41
		12	13	20.36	20.41	20.45
		25	0	20.41	20.39	20.39
	64QAM	1	0	20.48	20.38	20.40
		1	12	20.42	20.40	20.46
		1	24	20.32	20.40	20.33
		12	0	19.35	19.45	19.40
		12	6	19.42	19.37	19.36
		12	13	19.33	19.33	19.32
		25	0	19.37	19.43	19.42
	256QAM	1	0	17.50	17.47	17.47
		1	12	17.40	17.43	17.40
		1	24	17.29	17.39	17.30
		12	0	17.38	17.37	17.44
		12	6	17.34	17.34	17.42
		12	13	17.33	17.34	17.38
		25	0	17.42	17.42	17.38

LTE Band 38						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		37850	38000	38150
		Frequency (MHz)		2580	2595	2610
20M	QPSK	1	0	23.50	23.46	23.45
		1	50	23.46	23.42	23.41
		1	99	23.42	23.33	23.41
		50	0	22.49	22.48	22.43
		50	25	22.47	22.43	22.43
		50	50	22.41	22.34	22.37
		100	0	22.45	22.39	22.37
	16QAM	1	0	22.47	22.43	22.44
		1	50	22.41	22.38	22.41
		1	99	22.40	22.37	22.33
		50	0	21.46	21.41	21.36
		50	25	21.40	21.37	21.32
		50	50	21.37	21.32	21.28
		100	0	21.45	21.44	21.36
	64QAM	1	0	21.33	21.30	21.29
		1	50	21.26	21.25	21.26
		1	99	21.17	21.14	21.13
		50	0	20.49	20.45	20.40
		50	25	20.40	20.36	20.33
		50	50	20.40	20.38	20.36
		100	0	20.46	20.42	20.46
	256QAM	1	0	18.50	18.49	18.48
		1	50	18.47	18.44	18.41
		1	99	18.46	18.42	18.36
		50	0	18.40	18.33	18.31
		50	25	18.41	18.31	18.32
		50	50	18.43	18.39	18.39
		100	0	18.48	18.47	18.39

LTE Band 38						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		37825	38000	38175
		Frequency (MHz)		2577.5	2595	2612.5
15M	QPSK	1	0	23.45	23.37	23.44
		1	37	23.36	23.42	23.37
		1	74	23.35	23.28	23.36
		36	0	22.40	22.47	22.43
		36	19	22.46	22.37	22.35
		36	39	22.41	22.27	22.35
		75	0	22.39	22.33	22.32
	16QAM	1	0	22.45	22.41	22.34
		1	37	22.33	22.28	22.35
		1	74	22.40	22.35	22.26
		36	0	21.37	21.41	21.36
		36	19	21.38	21.27	21.23
		36	39	21.33	21.27	21.24
		75	0	21.37	21.37	21.35
	64QAM	1	0	21.32	21.28	21.24
		1	37	21.17	21.25	21.17
		1	74	21.14	21.07	21.05
		36	0	20.49	20.38	20.32
		36	19	20.38	20.32	20.23
		36	39	20.37	20.28	20.34
		75	0	20.38	20.41	20.44
	256QAM	1	0	18.45	18.46	18.38
		1	37	18.43	18.35	18.40
		1	74	18.44	18.38	18.29
		36	0	18.31	18.23	18.23
		36	19	18.38	18.25	18.25
		36	39	18.38	18.38	18.36
		75	0	18.43	18.40	18.33

LTE Band 38						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		37800	38000	38200
		Frequency (MHz)		2575	2595	2615
10M	QPSK	1	0	23.37	23.37	23.29
		1	24	23.29	23.28	23.24
		1	49	23.36	23.17	23.29
		25	0	22.43	22.41	22.20
		25	12	22.37	22.31	22.31
		25	25	22.25	22.13	22.29
		50	0	22.24	22.29	22.26
	16QAM	1	0	22.34	22.25	22.25
		1	24	22.33	22.37	22.35
		1	49	22.22	22.36	22.24
		25	0	21.34	21.31	21.23
		25	12	21.16	21.31	21.11
		25	25	21.17	21.19	21.20
		50	0	21.28	21.27	21.25
	64QAM	1	0	21.23	21.28	21.20
		1	24	21.18	21.04	21.12
		1	49	21.08	21.05	20.95
		25	0	20.37	20.33	20.24
		25	12	20.28	20.18	20.18
		25	25	20.21	20.27	20.26
		50	0	20.34	20.28	20.24
	256QAM	1	0	18.37	18.47	18.46
		1	24	18.40	18.25	18.24
		1	49	18.38	18.27	18.24
		25	0	18.30	18.20	18.17
		25	12	18.27	18.16	18.19
		25	25	18.25	18.16	18.22
		50	0	18.25	18.36	18.22

LTE Band 38						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		37775	38000	38225
		Frequency (MHz)		2572.5	2595	2617.5
5M	QPSK	1	0	23.33	23.42	23.26
		1	12	23.33	23.25	23.19
		1	24	23.27	23.29	23.12
		12	0	22.44	22.34	22.21
		12	6	22.37	22.36	22.32
		12	13	22.21	22.28	22.21
		25	0	22.37	22.28	22.17
	16QAM	1	0	22.37	22.32	22.27
		1	12	22.28	22.35	22.24
		1	24	22.31	22.21	22.24
		12	0	21.37	21.37	21.29
		12	6	21.23	21.23	21.12
		12	13	21.22	21.23	21.15
		25	0	21.33	21.39	21.29
	64QAM	1	0	21.14	21.17	21.20
		1	12	21.17	21.10	21.12
		1	24	21.03	21.01	20.95
		12	0	20.39	20.33	20.28
		12	6	20.30	20.28	20.22
		12	13	20.26	20.30	20.14
		25	0	20.42	20.23	20.33
	256QAM	1	0	18.40	18.36	18.32
		1	12	18.31	18.32	18.29
		1	24	18.36	18.40	18.23
		12	0	18.31	18.23	18.24
		12	6	18.34	18.18	18.09
		12	13	18.36	18.37	18.28
		25	0	18.25	18.40	18.25

LTE Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39750	40620	41490
		Frequency (MHz)		2506	2593	2680
20M	QPSK	1	0	23.49	23.31	23.45
		1	50	23.45	23.35	23.33
		1	99	23.37	23.26	23.31
		50	0	22.44	22.29	22.42
		50	25	22.41	22.32	22.40
		50	50	22.40	22.29	22.36
		100	0	22.45	22.25	22.36
	16QAM	1	0	22.49	22.29	22.42
		1	50	22.46	22.27	22.34
		1	99	22.34	22.29	22.34
		50	0	21.39	21.28	21.34
		50	25	21.38	21.26	21.30
		50	50	21.31	21.19	21.31
		100	0	21.43	21.28	21.33
	64QAM	1	0	21.27	21.19	21.29
		1	50	21.28	21.15	21.26
		1	99	21.19	21.09	21.17
		50	0	20.46	20.36	20.44
		50	25	20.40	20.20	20.32
		50	50	20.36	20.19	20.25
		100	0	20.37	20.33	20.32
	256QAM	1	0	18.43	18.34	18.37
		1	50	18.35	18.27	18.29
		1	99	18.33	18.24	18.34
		50	0	18.39	18.31	18.38
		50	25	18.33	18.19	18.28
		50	50	18.30	18.24	18.23
		100	0	18.39	18.28	18.29

LTE Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39725	40620	41515
		Frequency (MHz)		2503.5	2593	2682.5
15M	QPSK	1	0	23.40	23.26	23.38
		1	37	23.39	23.35	23.31
		1	74	23.29	23.20	23.27
		36	0	22.36	22.19	22.41
		36	19	22.40	22.23	22.40
		36	39	22.32	22.27	22.31
		75	0	22.41	22.25	22.36
	16QAM	1	0	22.43	22.21	22.43
		1	37	22.37	22.35	22.28
		1	74	22.34	22.24	22.26
		36	0	21.41	21.26	21.34
		36	19	21.34	21.28	21.30
		36	39	21.33	21.19	21.27
		75	0	21.44	21.21	21.31
	64QAM	1	0	21.39	21.27	21.44
		1	37	21.41	21.34	21.33
		1	74	21.34	21.26	21.22
		36	0	20.38	20.23	20.36
		36	19	20.35	20.25	20.32
		36	39	20.32	20.21	20.32
		75	0	20.38	20.17	20.26
	256QAM	1	0	18.45	18.25	18.40
		1	37	18.40	18.26	18.31
		1	74	18.34	18.19	18.30
		36	0	18.33	18.27	18.31
		36	19	18.33	18.25	18.26
		36	39	18.31	18.17	18.26
		75	0	18.38	18.26	18.26

LTE Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39700	40620	41540
		Frequency (MHz)		2501	2593	2685
10M	QPSK	1	0	23.34	23.22	23.37
		1	24	23.39	23.32	23.18
		1	49	23.18	23.13	23.23
		25	0	22.40	22.18	22.33
		25	12	22.33	22.17	22.23
		25	25	22.34	22.18	22.27
		50	0	22.41	22.18	22.29
	16QAM	1	0	22.41	22.15	22.33
		1	24	22.39	22.27	22.24
		1	49	22.26	22.23	22.29
		25	0	21.42	21.15	21.34
		25	12	21.26	21.27	21.32
		25	25	21.36	21.19	21.22
		50	0	21.35	21.22	21.21
	64QAM	1	0	21.40	21.17	21.38
		1	24	21.42	21.27	21.20
		1	49	21.25	21.14	21.27
		25	0	20.33	20.17	20.31
		25	12	20.27	20.27	20.27
		25	25	20.29	20.09	20.20
		50	0	20.33	20.13	20.26
	256QAM	1	0	18.43	18.12	18.27
		1	24	18.28	18.30	18.26
		1	49	18.28	18.10	18.22
		25	0	18.39	18.24	18.38
		25	12	18.29	18.22	18.27
		25	25	18.31	18.22	18.29
		50	0	18.31	18.12	18.29

LTE Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		39675	40620	41565
		Frequency (MHz)		2498.5	2593	2687.5
5M	QPSK	1	0	23.33	23.25	23.27
		1	12	23.31	23.25	23.26
		1	24	23.33	23.08	23.26
		12	0	22.26	22.21	22.34
		12	6	22.29	22.17	22.29
		12	13	22.29	22.13	22.25
		25	0	22.27	22.18	22.24
	16QAM	1	0	22.33	22.20	22.31
		1	12	22.26	22.27	22.25
		1	24	22.23	22.07	22.23
		12	0	21.32	21.18	21.30
		12	6	21.30	21.20	21.24
		12	13	21.35	21.11	21.28
		25	0	21.33	21.13	21.21
	64QAM	1	0	21.34	21.20	21.28
		1	12	21.30	21.27	21.24
		1	24	21.27	21.07	21.22
		12	0	20.26	20.14	20.35
		12	6	20.28	20.14	20.28
		12	13	20.35	20.14	20.21
		25	0	20.34	20.20	20.19
	256QAM	1	0	18.31	18.22	18.31
		1	12	18.31	18.27	18.28
		1	24	18.26	18.08	18.16
		12	0	18.33	18.19	18.32
		12	6	18.39	18.16	18.35
		12	13	18.22	18.20	18.32
		25	0	18.30	18.17	18.16

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132072	132322	132572
		Frequency (MHz)		1720	1745	1770
20M	QPSK	1	0	22.89	22.83	22.91
		1	50	22.77	22.71	22.81
		1	99	22.72	22.70	22.79
		50	0	21.84	21.80	21.94
		50	25	21.84	21.82	21.93
		50	50	21.83	21.79	21.91
		100	0	21.89	21.83	21.90
	16QAM	1	0	21.96	21.93	21.99
		1	50	21.93	21.88	21.95
		1	99	21.88	21.85	21.89
		50	0	20.89	20.86	20.93
		50	25	20.81	20.87	20.90
		50	50	20.80	20.83	20.88
		100	0	20.87	20.81	20.89
	64QAM	1	0	20.88	20.82	20.91
		1	50	20.90	20.90	20.90
		1	99	20.77	20.87	20.87
		50	0	19.88	19.94	19.94
		50	25	19.86	19.81	19.90
		50	50	19.85	19.87	19.90
		100	0	19.85	19.88	19.90
	256QAM	1	0	17.92	17.96	17.99
		1	50	17.94	17.91	17.95
		1	99	17.89	17.90	17.90
		50	0	17.91	17.90	17.91
		50	25	17.83	17.83	17.85
		50	50	17.75	17.70	17.80
		100	0	17.92	17.88	17.95

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132047	132322	132597
		Frequency (MHz)		1717.5	1745	1772.5
15M	QPSK	1	0	22.82	22.75	22.82
		1	37	22.74	22.65	22.74
		1	74	22.64	22.69	22.71
		36	0	21.75	21.71	21.90
		36	19	21.79	21.72	21.91
		36	39	21.75	21.72	21.90
		75	0	21.81	21.75	21.85
	16QAM	1	0	21.87	21.83	21.95
		1	37	21.90	21.82	21.88
		1	74	21.86	21.81	21.86
		36	0	20.87	20.78	20.87
		36	19	20.78	20.81	20.90
		36	39	20.80	20.73	20.86
		75	0	20.82	20.75	20.81
	64QAM	1	0	20.78	20.82	20.83
		1	37	20.82	20.87	20.85
		1	74	20.67	20.79	20.81
		36	0	19.87	19.88	19.93
		36	19	19.84	19.81	19.83
		36	39	19.79	19.85	19.88
		75	0	19.82	19.79	19.87
	256QAM	1	0	17.82	17.96	17.96
		1	37	17.88	17.81	17.86
		1	74	17.84	17.87	17.80
		36	0	17.89	17.86	17.84
		36	19	17.73	17.74	17.80
		36	39	17.67	17.61	17.70
		75	0	17.82	17.81	17.87

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132022	132322	132622
		Frequency (MHz)		1715	1745	1775
10M	QPSK	1	0	22.74	22.68	22.76
		1	24	22.59	22.65	22.64
		1	49	22.57	22.48	22.70
		25	0	21.80	21.71	21.81
		25	12	21.66	21.77	21.82
		25	25	21.79	21.61	21.82
		50	0	21.68	21.76	21.78
	16QAM	1	0	21.77	21.85	21.96
		1	24	21.80	21.69	21.80
		1	49	21.72	21.67	21.77
		25	0	20.69	20.83	20.76
		25	12	20.68	20.65	20.78
		25	25	20.70	20.62	20.88
		50	0	20.85	20.71	20.73
	64QAM	1	0	20.76	20.71	20.84
		1	24	20.68	20.78	20.88
		1	49	20.68	20.80	20.78
		25	0	19.75	19.89	19.80
		25	12	19.76	19.71	19.84
		25	25	19.82	19.71	19.79
		50	0	19.70	19.86	19.69
	256QAM	1	0	17.75	17.88	17.83
		1	24	17.86	17.90	17.86
		1	49	17.73	17.81	17.80
		25	0	17.77	17.79	17.76
		25	12	17.71	17.73	17.76
		25	25	17.67	17.53	17.66
		50	0	17.83	17.73	17.72

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131997	132322	132647
		Frequency (MHz)		1712.5	1745	1777.5
5M	QPSK	1	0	22.78	22.71	22.71
		1	12	22.63	22.69	22.56
		1	24	22.59	22.60	22.60
		12	0	21.80	21.69	21.68
		12	6	21.70	21.62	21.82
		12	13	21.63	21.63	21.67
		25	0	21.75	21.77	21.72
	16QAM	1	0	21.84	21.85	21.83
		1	12	21.82	21.74	21.80
		1	24	21.87	21.76	21.82
		12	0	20.68	20.73	20.80
		12	6	20.67	20.66	20.81
		12	13	20.70	20.66	20.75
		25	0	20.68	20.71	20.79
	64QAM	1	0	20.78	20.75	20.87
		1	12	20.80	20.80	20.84
		1	24	20.63	20.85	20.69
		12	0	19.70	19.86	19.80
		12	6	19.62	19.66	19.66
		12	13	19.68	19.63	19.76
		25	0	19.77	19.82	19.76
	256QAM	1	0	17.75	17.94	17.90
		1	12	17.84	17.85	17.79
		1	24	17.81	17.74	17.77
		12	0	17.75	17.68	17.79
		12	6	17.65	17.60	17.73
		12	13	17.53	17.48	17.68
		25	0	17.81	17.67	17.90

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131987	132322	132657
		Frequency (MHz)		1711.5	1745	1778.5
3M	QPSK	1	0	22.73	22.77	22.86
		1	7	22.58	22.59	22.77
		1	14	22.56	22.60	22.68
		8	0	21.61	21.79	21.84
		8	3	21.64	21.74	21.77
		8	7	21.66	21.65	21.86
		15	0	21.75	21.71	21.70
	16QAM	1	0	21.87	21.75	21.84
		1	7	21.79	21.77	21.74
		1	14	21.79	21.64	21.76
		8	0	20.68	20.76	20.78
		8	3	20.66	20.77	20.75
		8	7	20.73	20.61	20.78
		15	0	20.84	20.65	20.73
	64QAM	1	0	20.77	20.75	20.77
		1	7	20.77	20.85	20.71
		1	14	20.68	20.74	20.70
		8	0	19.85	19.72	19.86
		8	3	19.82	19.66	19.77
		8	7	19.84	19.72	19.80
		15	0	19.78	19.80	19.88
	256QAM	1	0	17.72	17.88	17.89
		1	7	17.74	17.74	17.90
		1	14	17.74	17.80	17.71
		8	0	17.80	17.73	17.72
		8	3	17.69	17.69	17.77
		8	7	17.68	17.67	17.69
		15	0	17.90	17.72	17.80

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131979	132322	132665
		Frequency (MHz)		1710.7	1745	1779.3
1.4M	QPSK	1	0	22.78	22.66	22.85
		1	2	22.53	22.57	22.72
		1	5	22.70	22.59	22.62
		3	0	21.73	21.68	21.73
		3	1	21.73	21.75	21.73
		3	3	21.66	21.59	21.73
		6	0	21.71	21.72	21.74
	16QAM	1	0	21.79	21.80	21.84
		1	2	21.80	21.66	21.79
		1	5	21.75	21.70	21.71
		3	0	20.76	20.85	20.82
		3	1	20.59	20.85	20.84
		3	3	20.64	20.73	20.74
		6	0	20.76	20.67	20.73
	64QAM	1	0	20.65	20.62	20.90
		1	2	20.71	20.79	20.77
		1	5	20.52	20.70	20.72
		3	0	19.68	19.92	19.80
		3	1	19.72	19.78	19.87
		3	3	19.76	19.81	19.76
		6	0	19.68	19.68	19.76
	256QAM	1	0	17.75	17.92	17.91
		1	2	17.83	17.81	17.81
		1	5	17.72	17.84	17.81
		3	0	17.72	17.72	17.73
		3	1	17.58	17.73	17.61
		3	3	17.64	17.61	17.61
		6	0	17.75	17.74	17.82

LTE Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133222	133297	133372
		Frequency (MHz)		673	680.5	688
20M	QPSK	1	0	22.85	22.75	22.69
		1	50	22.61	22.55	22.58
		1	99	22.67	22.57	22.51
		50	0	21.71	21.67	21.68
		50	25	21.63	21.63	21.65
		50	50	21.70	21.61	21.61
		100	0	21.80	21.70	21.69
	16QAM	1	0	21.93	21.88	21.90
		1	50	21.81	21.76	21.80
		1	99	21.90	21.81	21.77
		50	0	20.78	20.76	20.70
		50	25	20.76	20.71	20.67
		50	50	20.81	20.74	20.70
		100	0	20.73	20.69	20.69
	64QAM	1	0	20.73	20.66	20.66
		1	50	20.70	20.64	20.62
		1	99	20.63	20.60	20.60
		50	0	19.85	19.77	19.74
		50	25	19.86	19.76	19.73
		50	50	19.74	19.73	19.70
		100	0	19.77	19.73	19.70
	256QAM	1	0	17.89	17.84	17.81
		1	50	17.85	17.83	17.78
		1	99	17.79	17.72	17.71
		50	0	17.84	17.75	17.70
		50	25	17.77	17.71	17.66
		50	50	17.77	17.71	17.72
		100	0	17.79	17.69	17.65

LTE Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133197	133297	133397
		Frequency (MHz)		670.5	680.5	690.5
15M	QPSK	1	0	22.76	22.70	22.61
		1	37	22.58	22.53	22.52
		1	74	22.62	22.48	22.50
		36	0	21.66	21.65	21.67
		36	19	21.58	21.62	21.65
		36	39	21.65	21.59	21.57
		75	0	21.70	21.60	21.67
	16QAM	1	0	21.83	21.84	21.84
		1	37	21.75	21.73	21.80
		1	74	21.87	21.78	21.71
		36	0	20.69	20.73	20.65
		36	19	20.70	20.69	20.61
		36	39	20.74	20.64	20.60
		75	0	20.72	20.69	20.69
	64QAM	1	0	20.70	20.56	20.56
		1	37	20.60	20.61	20.56
		1	74	20.61	20.54	20.54
		36	0	19.80	19.71	19.72
		36	19	19.83	19.67	19.71
		36	39	19.73	19.68	19.63
		75	0	19.71	19.63	19.61
	256QAM	1	0	17.89	17.81	17.80
		1	37	17.82	17.73	17.75
		1	74	17.77	17.68	17.69
		36	0	17.78	17.72	17.65
		36	19	17.77	17.61	17.59
		36	39	17.72	17.70	17.67
		75	0	17.78	17.59	17.59

LTE Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133172	133297	133422
		Frequency (MHz)		668	680.5	693
10M	QPSK	1	0	22.70	22.67	22.57
		1	24	22.54	22.39	22.52
		1	49	22.57	22.47	22.32
		25	0	21.56	21.63	21.65
		25	12	21.50	21.48	21.44
		25	25	21.61	21.44	21.45
		50	0	21.67	21.54	21.66
	16QAM	1	0	21.87	21.81	21.69
		1	24	21.64	21.72	21.74
		1	49	21.80	21.61	21.65
		25	0	20.68	20.70	20.57
		25	12	20.56	20.54	20.53
		25	25	20.63	20.64	20.55
		50	0	20.48	20.47	20.56
	64QAM	1	0	20.61	20.52	20.59
		1	24	20.56	20.58	20.58
		1	49	20.50	20.51	20.45
		25	0	19.74	19.61	19.68
		25	12	19.81	19.67	19.59
		25	25	19.57	19.62	19.63
		50	0	19.71	19.72	19.55
	256QAM	1	0	17.73	17.78	17.63
		1	24	17.82	17.73	17.69
		1	49	17.77	17.60	17.58
		25	0	17.73	17.58	17.52
		25	12	17.62	17.56	17.61
		25	25	17.62	17.57	17.63
		50	0	17.59	17.56	17.44

LTE Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133147	133297	133447
		Frequency (MHz)		665.5	680.5	695.5
5M	QPSK	1	0	22.72	22.73	22.42
		1	12	22.48	22.41	22.29
		1	24	22.51	22.49	22.21
		12	0	21.64	21.42	21.40
		12	6	21.52	21.53	21.57
		12	13	21.53	21.56	21.39
		25	0	21.76	21.54	21.52
	16QAM	1	0	21.79	21.73	21.83
		1	12	21.69	21.72	21.58
		1	24	21.73	21.74	21.68
		12	0	20.66	20.59	20.58
		12	6	20.66	20.56	20.57
		12	13	20.64	20.59	20.57
		25	0	20.70	20.65	20.69
	64QAM	1	0	20.51	20.59	20.62
		1	12	20.60	20.49	20.56
		1	24	20.42	20.55	20.42
		12	0	19.68	19.67	19.65
		12	6	19.74	19.72	19.54
		12	13	19.58	19.52	19.46
		25	0	19.59	19.61	19.47
	256QAM	1	0	17.85	17.74	17.63
		1	12	17.70	17.73	17.67
		1	24	17.68	17.52	17.65
		12	0	17.64	17.62	17.57
		12	6	17.56	17.69	17.63
		12	13	17.67	17.66	17.62
		25	0	17.62	17.53	17.42

EIRP / ERP Power (dBm, dBm/5MHz for LTE Band 30 only)

Internal Antenna

Modulation Type: QPSK

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957, 20175, 20393							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.70	30.00	-12.30	3.11 H	4	84.50	-66.80
2	1732.50	18.00	30.00	-12.00	3.12 H	3	84.80	-66.80
3	1754.30	17.50	30.00	-12.50	3.14 H	8	84.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	20.10	30.00	-9.90	2.40 V	286	86.90	-66.80
2	1732.50	20.00	30.00	-10.00	2.34 V	288	86.80	-66.80
3	1754.30	20.10	30.00	-9.90	2.35 V	283	86.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 3MHz

Mode	TX channel 19965, 20175, 20385							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.00	30.00	-12.00	3.15 H	8	84.80	-66.80
2	1732.50	17.50	30.00	-12.50	3.17 H	7	84.30	-66.80
3	1753.50	18.20	30.00	-11.80	3.12 H	4	84.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.00	30.00	-10.00	2.32 V	282	86.80	-66.80
2	1732.50	19.90	30.00	-10.10	2.36 V	283	86.70	-66.80
3	1753.50	20.10	30.00	-9.90	2.38 V	288	86.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975, 20175, 20375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.20	30.00	-12.80	3.08 H	7	84.00	-66.80
2	1732.50	17.10	30.00	-12.90	3.09 H	2	83.90	-66.80
3	1752.50	17.70	30.00	-12.30	3.12 H	5	84.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	20.20	30.00	-9.80	2.36 V	285	87.00	-66.80
2	1732.50	20.10	30.00	-9.90	2.37 V	287	86.90	-66.80
3	1752.50	20.20	30.00	-9.80	2.39 V	289	86.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 10MHz

Mode	TX channel 20000, 20175, 20350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.40	30.00	-12.60	3.07 H	3	84.20	-66.80
2	1732.50	17.60	30.00	-12.40	3.10 H	5	84.40	-66.80
3	1750.00	18.00	30.00	-12.00	3.15 H	1	84.60	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.10	30.00	-9.90	2.37 V	284	86.90	-66.80
2	1732.50	20.20	30.00	-9.80	2.38 V	289	87.00	-66.80
3	1750.00	20.10	30.00	-9.90	2.40 V	282	86.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 15MHz

Mode	TX channel 20025, 20175, 20325							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.60	30.00	-12.40	3.07 H	3	84.40	-66.80
2	1732.50	18.00	30.00	-12.00	3.07 H	6	84.80	-66.80
3	1747.50	17.60	30.00	-12.40	3.08 H	6	84.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.00	30.00	-10.00	2.37 V	283	86.80	-66.80
2	1732.50	20.10	30.00	-9.90	2.37 V	287	86.90	-66.80
3	1747.50	20.40	30.00	-9.60	2.40 V	283	87.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050, 20175, 20300							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.60	30.00	-12.40	3.14 H	2	84.40	-66.80
2	1732.50	17.70	30.00	-12.30	3.07 H	4	84.50	-66.80
3	1745.00	17.40	30.00	-12.60	3.16 H	4	84.00	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.40	30.00	-9.60	2.41 V	285	87.20	-66.80
2	1732.50	20.20	30.00	-9.80	2.42 V	289	87.00	-66.80
3	1745.00	20.10	30.00	-9.90	2.33 V	286	86.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957, 20175, 20393							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.80	30.00	-13.20	3.16 H	6	83.60	-66.80
2	1732.50	17.10	30.00	-12.90	3.13 H	3	83.90	-66.80
3	1754.30	16.30	30.00	-13.70	3.17 H	5	82.90	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.20	30.00	-10.80	2.38 V	285	86.00	-66.80
2	1732.50	19.00	30.00	-11.00	2.40 V	284	85.80	-66.80
3	1754.30	19.30	30.00	-10.70	2.35 V	285	85.90	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 3MHz

Mode	TX channel 19965, 20175, 20385							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.00	30.00	-13.00	3.15 H	6	83.80	-66.80
2	1732.50	16.60	30.00	-13.40	3.15 H	3	83.40	-66.80
3	1753.50	17.00	30.00	-13.00	3.07 H	5	83.60	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.20	30.00	-11.80	2.35 V	284	85.00	-66.80
2	1732.50	19.10	30.00	-10.90	2.41 V	284	85.90	-66.80
3	1753.50	18.90	30.00	-11.10	2.42 V	283	85.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975, 20175, 20375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.00	30.00	-14.00	3.12 H	8	82.80	-66.80
2	1732.50	16.30	30.00	-13.70	3.09 H	8	83.10	-66.80
3	1752.50	16.90	30.00	-13.10	3.07 H	6	83.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.10	30.00	-10.90	2.38 V	287	85.90	-66.80
2	1732.50	18.40	30.00	-11.60	2.32 V	283	85.20	-66.80
3	1752.50	19.10	30.00	-10.90	2.40 V	282	85.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 10MHz

Mode	TX channel 20000, 20175, 20350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.40	30.00	-13.60	3.10 H	3	83.20	-66.80
2	1732.50	16.80	30.00	-13.20	3.10 H	4	83.60	-66.80
3	1750.00	17.10	30.00	-12.90	3.11 H	6	83.70	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.70	30.00	-11.30	2.41 V	289	85.50	-66.80
2	1732.50	18.60	30.00	-11.40	2.34 V	283	85.40	-66.80
3	1750.00	18.70	30.00	-11.30	2.38 V	282	85.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 15MHz

Mode	TX channel 20025, 20175, 20325							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.40	30.00	-13.60	3.09 H	6	83.20	-66.80
2	1732.50	16.80	30.00	-13.20	3.16 H	3	83.60	-66.80
3	1747.50	16.80	30.00	-13.20	3.13 H	4	83.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.20	30.00	-10.80	2.34 V	287	86.00	-66.80
2	1732.50	18.80	30.00	-11.20	2.38 V	283	85.60	-66.80
3	1747.50	19.60	30.00	-10.40	2.32 V	285	86.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050, 20175, 20300							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.60	30.00	-13.40	3.12 H	1	83.40	-66.80
2	1732.50	16.50	30.00	-13.50	3.13 H	3	83.30	-66.80
3	1745.00	16.60	30.00	-13.40	3.16 H	5	83.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.50	30.00	-11.50	2.38 V	288	85.30	-66.80
2	1732.50	19.10	30.00	-10.90	2.33 V	284	85.90	-66.80
3	1745.00	19.00	30.00	-11.00	2.34 V	284	85.60	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957, 20175, 20393							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.40	30.00	-13.60	3.13 H	3	83.20	-66.80
2	1732.50	16.60	30.00	-13.40	3.09 H	7	83.40	-66.80
3	1754.30	15.70	30.00	-14.30	3.13 H	2	82.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.30	30.00	-11.70	2.37 V	288	85.10	-66.80
2	1732.50	17.80	30.00	-12.20	2.39 V	284	84.60	-66.80
3	1754.30	18.70	30.00	-11.30	2.33 V	289	85.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 3MHz

Mode	TX channel 19965, 20175, 20385							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	16.60	30.00	-13.40	3.14 H	3	83.40	-66.80
2	1732.50	16.00	30.00	-14.00	3.13 H	7	82.80	-66.80
3	1753.50	16.40	30.00	-13.60	3.17 H	6	83.00	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.60	30.00	-12.40	2.35 V	289	84.40	-66.80
2	1732.50	18.50	30.00	-11.50	2.39 V	282	85.30	-66.80
3	1753.50	18.40	30.00	-11.60	2.39 V	282	85.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975, 20175, 20375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	15.40	30.00	-14.60	3.17 H	1	82.20	-66.80
2	1732.50	15.70	30.00	-14.30	3.17 H	6	82.50	-66.80
3	1752.50	16.30	30.00	-13.70	3.13 H	6	82.90	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.70	30.00	-11.30	2.39 V	288	85.50	-66.80
2	1732.50	18.00	30.00	-12.00	2.41 V	288	84.80	-66.80
3	1752.50	18.70	30.00	-11.30	2.36 V	289	85.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 10MHz

Mode	TX channel 20000, 20175, 20350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	15.90	30.00	-14.10	3.14 H	6	82.70	-66.80
2	1732.50	16.20	30.00	-13.80	3.08 H	2	83.00	-66.80
3	1750.00	16.60	30.00	-13.40	3.08 H	5	83.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.30	30.00	-11.70	2.41 V	282	85.10	-66.80
2	1732.50	18.20	30.00	-11.80	2.40 V	288	85.00	-66.80
3	1750.00	18.20	30.00	-11.80	2.42 V	287	84.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 15MHz

Mode	TX channel 20025, 20175, 20325							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.00	30.00	-14.00	3.08 H	6	82.80	-66.80
2	1732.50	16.30	30.00	-13.70	3.07 H	4	83.10	-66.80
3	1747.50	16.40	30.00	-13.60	3.17 H	4	83.00	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.60	30.00	-11.40	2.42 V	284	85.40	-66.80
2	1732.50	18.40	30.00	-11.60	2.35 V	282	85.20	-66.80
3	1747.50	19.20	30.00	-10.80	2.42 V	283	85.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050, 20175, 20300							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.00	30.00	-14.00	3.13 H	7	82.80	-66.80
2	1732.50	16.10	30.00	-13.90	3.08 H	8	82.90	-66.80
3	1745.00	16.20	30.00	-13.80	3.07 H	2	82.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.10	30.00	-11.90	2.36 V	284	84.90	-66.80
2	1732.50	17.60	30.00	-12.40	2.35 V	289	84.40	-66.80
3	1745.00	18.40	30.00	-11.60	2.33 V	282	85.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957, 20175, 20393							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	13.80	30.00	-16.20	3.11 H	12	80.60	-66.80
2	1732.50	13.70	30.00	-16.30	3.10 H	5	80.50	-66.80
3	1754.30	14.00	30.00	-16.00	3.03 H	7	80.60	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.40	30.00	-13.60	2.38 V	293	83.20	-66.80
2	1732.50	15.80	30.00	-14.20	2.35 V	291	82.60	-66.80
3	1754.30	16.50	30.00	-13.50	2.35 V	291	83.10	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 3MHz

Mode	TX channel 19965, 20175, 20385							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	13.40	30.00	-16.60	3.05 H	8	80.20	-66.80
2	1732.50	13.50	30.00	-16.50	3.12 H	9	80.30	-66.80
3	1753.50	13.80	30.00	-16.20	3.11 H	5	80.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	16.20	30.00	-13.80	2.40 V	289	83.00	-66.80
2	1732.50	15.40	30.00	-14.60	2.40 V	286	82.20	-66.80
3	1753.50	16.40	30.00	-13.60	2.40 V	290	83.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975, 20175, 20375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	13.60	30.00	-16.40	3.12 H	12	80.40	-66.80
2	1732.50	13.90	30.00	-16.10	3.05 H	9	80.70	-66.80
3	1752.50	13.50	30.00	-16.50	3.03 H	6	80.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.70	30.00	-13.30	2.40 V	292	83.50	-66.80
2	1732.50	16.30	30.00	-13.70	2.32 V	291	83.10	-66.80
3	1752.50	16.40	30.00	-13.60	2.39 V	290	83.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 10MHz

Mode	TX channel 20000, 20175, 20350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	14.00	30.00	-16.00	3.03 H	11	80.80	-66.80
2	1732.50	13.70	30.00	-16.30	3.13 H	11	80.50	-66.80
3	1750.00	14.50	30.00	-15.50	3.12 H	6	81.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.30	30.00	-13.70	2.39 V	286	83.10	-66.80
2	1732.50	15.70	30.00	-14.30	2.35 V	288	82.50	-66.80
3	1750.00	15.60	30.00	-14.40	2.39 V	287	82.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 15MHz

Mode	TX channel 20025, 20175, 20325							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	14.10	30.00	-15.90	3.05 H	10	80.90	-66.80
2	1732.50	14.00	30.00	-16.00	3.11 H	10	80.80	-66.80
3	1747.50	14.30	30.00	-15.70	3.09 H	7	80.90	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.50	30.00	-13.50	2.35 V	286	83.30	-66.80
2	1732.50	16.10	30.00	-13.90	2.39 V	290	82.90	-66.80
3	1747.50	16.50	30.00	-13.50	2.34 V	292	83.10	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050, 20175, 20300							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	13.60	30.00	-16.40	3.05 H	7	80.40	-66.80
2	1732.50	14.50	30.00	-15.50	3.12 H	7	81.30	-66.80
3	1745.00	13.90	30.00	-16.10	3.09 H	10	80.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	15.80	30.00	-14.20	2.36 V	292	82.60	-66.80
2	1732.50	16.50	30.00	-13.50	2.35 V	291	83.30	-66.80
3	1745.00	15.90	30.00	-14.10	2.36 V	288	82.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	13.30	33.00	-19.70	1.04 H	203	77.50	-64.20
2	2535.00	14.00	33.00	-19.00	1.07 H	203	78.10	-64.10
3	2567.50	14.10	33.00	-18.90	1.05 H	201	78.00	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	23.70	33.00	-9.30	2.15 V	207	87.90	-64.20
2	2535.00	23.20	33.00	-9.80	2.11 V	202	87.30	-64.10
3	2567.50	23.50	33.00	-9.50	2.20 V	208	87.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	13.30	33.00	-19.70	1.04 H	207	77.50	-64.20
2	2535.00	13.30	33.00	-19.70	1.11 H	201	77.40	-64.10
3	2565.00	14.20	33.00	-18.80	1.03 H	202	78.10	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	23.30	33.00	-9.70	2.19 V	204	87.50	-64.20
2	2535.00	23.50	33.00	-9.50	2.14 V	207	87.60	-64.10
3	2565.00	23.50	33.00	-9.50	2.20 V	204	87.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	13.80	33.00	-19.20	1.06 H	205	78.00	-64.20
2	2535.00	14.10	33.00	-18.90	1.09 H	205	78.20	-64.10
3	2562.50	13.80	33.00	-19.20	1.03 H	208	77.70	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	23.50	33.00	-9.50	2.13 V	203	87.70	-64.20
2	2535.00	23.40	33.00	-9.60	2.15 V	203	87.50	-64.10
3	2562.50	23.20	33.00	-9.80	2.16 V	201	87.10	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	13.70	33.00	-19.30	1.07 H	204	77.80	-64.10
2	2535.00	14.10	33.00	-18.90	1.03 H	207	78.20	-64.10
3	2560.00	14.20	33.00	-18.80	1.04 H	206	78.10	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	23.30	33.00	-9.70	2.17 V	206	87.40	-64.10
2	2535.00	23.80	33.00	-9.20	2.18 V	204	87.90	-64.10
3	2560.00	23.50	33.00	-9.50	2.13 V	208	87.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	12.40	33.00	-20.60	1.12 H	205	76.60	-64.20
2	2535.00	12.80	33.00	-20.20	1.05 H	207	76.90	-64.10
3	2567.50	12.90	33.00	-20.10	1.02 H	203	76.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	22.70	33.00	-10.30	2.15 V	207	86.90	-64.20
2	2535.00	22.20	33.00	-10.80	2.11 V	202	86.30	-64.10
3	2567.50	22.50	33.00	-10.50	2.20 V	208	86.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	12.20	33.00	-20.80	1.08 H	206	76.40	-64.20
2	2535.00	12.30	33.00	-20.70	1.06 H	208	76.40	-64.10
3	2565.00	13.20	33.00	-19.80	1.04 H	202	77.10	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	22.30	33.00	-10.70	2.19 V	204	86.50	-64.20
2	2535.00	22.50	33.00	-10.50	2.14 V	207	86.60	-64.10
3	2565.00	22.50	33.00	-10.50	2.20 V	204	86.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	12.60	33.00	-20.40	1.06 H	208	76.80	-64.20
2	2535.00	12.90	33.00	-20.10	1.08 H	203	77.00	-64.10
3	2562.50	12.90	33.00	-20.10	1.06 H	207	76.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	22.50	33.00	-10.50	2.13 V	203	86.70	-64.20
2	2535.00	22.40	33.00	-10.60	2.15 V	203	86.50	-64.10
3	2562.50	22.20	33.00	-10.80	2.16 V	201	86.10	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	12.80	33.00	-20.20	1.02 H	205	76.90	-64.10
2	2535.00	13.20	33.00	-19.80	1.06 H	203	77.30	-64.10
3	2560.00	13.10	33.00	-19.90	1.08 H	203	77.00	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	22.30	33.00	-10.70	2.17 V	206	86.40	-64.10
2	2535.00	22.80	33.00	-10.20	2.18 V	204	86.90	-64.10
3	2560.00	22.50	33.00	-10.50	2.13 V	208	86.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	12.00	33.00	-21.00	1.02 H	204	76.20	-64.20
2	2535.00	12.40	33.00	-20.60	1.08 H	202	76.50	-64.10
3	2567.50	12.40	33.00	-20.60	1.06 H	205	76.30	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	21.70	33.00	-11.30	2.15 V	207	85.90	-64.20
2	2535.00	21.20	33.00	-11.80	2.11 V	202	85.30	-64.10
3	2567.50	21.50	33.00	-11.50	2.20 V	208	85.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	11.70	33.00	-21.30	1.04 H	203	75.90	-64.20
2	2535.00	11.70	33.00	-21.30	1.12 H	205	75.80	-64.10
3	2565.00	12.60	33.00	-20.40	1.04 H	208	76.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	21.30	33.00	-11.70	2.19 V	204	85.50	-64.20
2	2535.00	21.50	33.00	-11.50	2.14 V	207	85.60	-64.10
3	2565.00	21.50	33.00	-11.50	2.20 V	204	85.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	12.20	33.00	-20.80	1.02 H	203	76.40	-64.20
2	2535.00	12.50	33.00	-20.50	1.09 H	202	76.60	-64.10
3	2562.50	12.40	33.00	-20.60	1.07 H	204	76.30	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	21.50	33.00	-11.50	2.13 V	203	85.70	-64.20
2	2535.00	21.40	33.00	-11.60	2.15 V	203	85.50	-64.10
3	2562.50	21.20	33.00	-11.80	2.16 V	201	85.10	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	12.20	33.00	-20.80	1.12 H	208	76.30	-64.10
2	2535.00	12.70	33.00	-20.30	1.06 H	205	76.80	-64.10
3	2560.00	12.50	33.00	-20.50	1.05 H	206	76.40	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	21.30	33.00	-11.70	2.17 V	206	85.40	-64.10
2	2535.00	21.80	33.00	-11.20	2.18 V	204	85.90	-64.10
3	2560.00	21.50	33.00	-11.50	2.13 V	208	85.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	10.10	33.00	-22.90	1.06 H	199	74.30	-64.20
2	2535.00	9.80	33.00	-23.20	1.04 H	205	73.90	-64.10
3	2567.50	10.00	33.00	-23.00	1.03 H	206	73.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	20.70	33.00	-12.30	2.15 V	207	84.90	-64.20
2	2535.00	20.20	33.00	-12.80	2.11 V	202	84.30	-64.10
3	2567.50	20.50	33.00	-12.50	2.20 V	208	84.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	10.10	33.00	-22.90	1.11 H	201	74.30	-64.20
2	2535.00	10.00	33.00	-23.00	1.05 H	205	74.10	-64.10
3	2565.00	10.30	33.00	-22.70	1.07 H	206	74.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	20.30	33.00	-12.70	2.19 V	204	84.50	-64.20
2	2535.00	20.50	33.00	-12.50	2.14 V	207	84.60	-64.10
3	2565.00	20.50	33.00	-12.50	2.20 V	204	84.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	10.00	33.00	-23.00	1.13 H	201	74.20	-64.20
2	2535.00	9.90	33.00	-23.10	1.06 H	201	74.00	-64.10
3	2562.50	10.00	33.00	-23.00	1.09 H	199	73.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	20.50	33.00	-12.50	2.13 V	203	84.70	-64.20
2	2535.00	20.40	33.00	-12.60	2.15 V	203	84.50	-64.10
3	2562.50	20.20	33.00	-12.80	2.16 V	201	84.10	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	9.70	33.00	-23.30	1.06 H	201	73.80	-64.10
2	2535.00	10.50	33.00	-22.50	1.06 H	206	74.60	-64.10
3	2560.00	9.60	33.00	-23.40	1.06 H	205	73.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	20.30	33.00	-12.70	2.17 V	206	84.40	-64.10
2	2535.00	20.80	33.00	-12.20	2.18 V	204	84.90	-64.10
3	2560.00	20.50	33.00	-12.50	2.13 V	208	84.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	24.00	34.80	-10.80	1.16 H	169	91.70	-67.70
2	707.50	24.00	34.80	-10.80	1.10 H	165	91.60	-67.60
3	715.30	24.50	34.80	-10.30	1.13 H	166	92.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	15.50	34.80	-19.30	1.15 V	340	83.20	-67.70
2	707.50	15.60	34.80	-19.20	1.20 V	341	83.20	-67.60
3	715.30	15.70	34.80	-19.10	1.16 V	340	83.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	24.10	34.80	-10.70	1.07 H	169	91.80	-67.70
2	707.50	24.30	34.80	-10.50	1.17 H	169	91.90	-67.60
3	714.50	23.70	34.80	-11.10	1.08 H	172	91.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	15.50	34.80	-19.30	1.16 V	342	83.20	-67.70
2	707.50	15.50	34.80	-19.30	1.13 V	345	83.10	-67.60
3	714.50	15.50	34.80	-19.30	1.18 V	344	83.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	23.80	34.80	-11.00	1.09 H	168	91.50	-67.70
2	707.50	23.80	34.80	-11.00	1.11 H	168	91.40	-67.60
3	713.50	24.50	34.80	-10.30	1.16 H	166	92.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	15.00	34.80	-19.80	1.13 V	347	82.70	-67.70
2	707.50	15.50	34.80	-19.30	1.13 V	344	83.10	-67.60
3	713.50	15.50	34.80	-19.30	1.22 V	342	83.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	23.50	34.80	-11.30	1.11 H	167	91.20	-67.70
2	707.50	23.50	34.80	-11.30	1.10 H	172	91.10	-67.60
3	711.00	23.60	34.80	-11.20	1.08 H	169	91.10	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	15.80	34.80	-19.00	1.14 V	341	83.50	-67.70
2	707.50	15.90	34.80	-18.90	1.22 V	346	83.50	-67.60
3	711.00	15.50	34.80	-19.30	1.12 V	347	83.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 16QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	23.10	34.80	-11.70	1.10 H	165	90.80	-67.70
2	707.50	22.80	34.80	-12.00	1.10 H	166	90.40	-67.60
3	715.30	23.30	34.80	-11.50	1.13 H	165	90.80	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	14.50	34.80	-20.30	1.15 V	344	82.20	-67.70
2	707.50	14.60	34.80	-20.20	1.19 V	345	82.20	-67.60
3	715.30	15.00	34.80	-19.80	1.19 V	343	82.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	22.90	34.80	-11.90	1.12 H	169	90.60	-67.70
2	707.50	23.20	34.80	-11.60	1.17 H	167	90.80	-67.60
3	714.50	23.00	34.80	-11.80	1.07 H	169	90.50	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	14.80	34.80	-20.00	1.14 V	341	82.50	-67.70
2	707.50	14.30	34.80	-20.50	1.18 V	340	81.90	-67.60
3	714.50	14.50	34.80	-20.30	1.16 V	343	82.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	23.00	34.80	-11.80	1.10 H	165	90.70	-67.70
2	707.50	22.90	34.80	-11.90	1.16 H	168	90.50	-67.60
3	713.50	23.30	34.80	-11.50	1.12 H	170	90.80	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	14.00	34.80	-20.80	1.22 V	342	81.70	-67.70
2	707.50	14.60	34.80	-20.20	1.18 V	346	82.20	-67.60
3	713.50	14.50	34.80	-20.30	1.16 V	347	82.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	22.80	34.80	-12.00	1.11 H	172	90.50	-67.70
2	707.50	22.50	34.80	-12.30	1.08 H	169	90.10	-67.60
3	711.00	22.60	34.80	-12.20	1.17 H	172	90.10	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	14.80	34.80	-20.00	1.17 V	344	82.50	-67.70
2	707.50	15.10	34.80	-19.70	1.20 V	340	82.70	-67.60
3	711.00	14.50	34.80	-20.30	1.18 V	347	82.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 64QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	22.30	34.80	-12.50	1.07 H	167	90.00	-67.70
2	707.50	22.40	34.80	-12.40	1.15 H	165	90.00	-67.60
3	715.30	22.70	34.80	-12.10	1.07 H	172	90.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	13.90	34.80	-20.90	1.19 V	344	81.60	-67.70
2	707.50	14.10	34.80	-20.70	1.22 V	345	81.70	-67.60
3	715.30	14.50	34.80	-20.30	1.17 V	341	82.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	22.50	34.80	-12.30	1.08 H	171	90.20	-67.70
2	707.50	22.80	34.80	-12.00	1.13 H	165	90.40	-67.60
3	714.50	22.60	34.80	-12.20	1.14 H	167	90.10	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	14.30	34.80	-20.50	1.15 V	341	82.00	-67.70
2	707.50	13.70	34.80	-21.10	1.14 V	341	81.30	-67.60
3	714.50	14.00	34.80	-20.80	1.21 V	347	81.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	22.50	34.80	-12.30	1.17 H	170	90.20	-67.70
2	707.50	22.40	34.80	-12.40	1.14 H	167	90.00	-67.60
3	713.50	22.70	34.80	-12.10	1.07 H	167	90.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	13.40	34.80	-21.40	1.12 V	343	81.10	-67.70
2	707.50	14.20	34.80	-20.60	1.20 V	344	81.80	-67.60
3	713.50	14.00	34.80	-20.80	1.15 V	340	81.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	22.20	34.80	-12.60	1.17 H	172	89.90	-67.70
2	707.50	21.90	34.80	-12.90	1.15 H	165	89.50	-67.60
3	711.00	22.00	34.80	-12.80	1.08 H	166	89.50	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	14.20	34.80	-20.60	1.20 V	344	81.90	-67.70
2	707.50	14.70	34.80	-20.10	1.19 V	343	82.30	-67.60
3	711.00	14.00	34.80	-20.80	1.21 V	346	81.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 256QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	20.40	34.80	-14.40	1.13 H	169	88.10	-67.70
2	707.50	20.00	34.80	-14.80	1.11 H	169	87.60	-67.60
3	715.30	20.10	34.80	-14.70	1.20 H	162	87.60	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	11.30	34.80	-23.50	1.22 V	342	79.00	-67.70
2	707.50	12.20	34.80	-22.60	1.22 V	349	79.80	-67.60
3	715.30	11.90	34.80	-22.90	1.00 V	343	79.40	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	20.00	34.80	-14.80	1.15 H	164	87.70	-67.70
2	707.50	20.40	34.80	-14.40	1.14 H	165	88.00	-67.60
3	714.50	20.30	34.80	-14.50	1.13 H	164	87.80	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	11.90	34.80	-22.90	1.19 V	343	79.60	-67.70
2	707.50	11.70	34.80	-23.10	1.19 V	342	79.30	-67.60
3	714.50	12.00	34.80	-22.80	1.22 V	349	79.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	20.30	34.80	-14.50	1.20 H	168	88.00	-67.70
2	707.50	19.90	34.80	-14.90	1.19 H	163	87.50	-67.60
3	713.50	20.70	34.80	-14.10	1.12 H	162	88.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	11.50	34.80	-23.30	1.17 V	347	79.20	-67.70
2	707.50	12.20	34.80	-22.60	1.23 V	348	79.80	-67.60
3	713.50	12.30	34.80	-22.50	1.23 V	349	79.80	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	20.70	34.80	-14.10	1.13 H	163	88.40	-67.70
2	707.50	21.00	34.80	-13.80	1.15 H	163	88.60	-67.60
3	711.00	20.30	34.80	-14.50	1.15 H	165	87.80	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	12.10	34.80	-22.70	1.25 V	346	79.80	-67.70
2	707.50	12.30	34.80	-22.50	1.23 V	342	79.90	-67.60
3	711.00	12.00	34.80	-22.80	1.20 V	342	79.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: QPSK

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205, 23230, 23255							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	21.20	34.80	-13.60	1.10 H	38	87.20	-66.00
2	782.00	22.00	34.80	-12.80	1.04 H	44	87.90	-65.90
3	784.50	21.80	34.80	-13.00	1.00 H	41	87.70	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	16.00	34.80	-18.80	1.91 V	91	82.00	-66.00
2	782.00	15.20	34.80	-19.60	1.95 V	92	81.10	-65.90
3	784.50	15.30	34.80	-19.50	1.90 V	91	81.20	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	22.10	34.80	-12.70	1.10 H	38	88.00	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	15.30	34.80	-19.50	1.99 V	90	81.20	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 16QAM

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205, 23230, 23255							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	20.20	34.80	-14.60	1.09 H	37	86.20	-66.00
2	782.00	21.10	34.80	-13.70	1.04 H	44	87.00	-65.90
3	784.50	20.90	34.80	-13.90	1.03 H	43	86.80	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	15.00	34.80	-19.80	1.90 V	94	81.00	-66.00
2	782.00	14.40	34.80	-20.40	1.95 V	96	80.30	-65.90
3	784.50	14.50	34.80	-20.30	2.00 V	94	80.40	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	20.70	34.80	-14.10	1.10 H	43	86.60	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	14.40	34.80	-20.40	1.91 V	97	80.30	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 64QAM

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205, 23230, 23255							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	19.80	34.80	-15.00	1.10 H	39	85.80	-66.00
2	782.00	20.70	34.80	-14.10	1.01 H	38	86.60	-65.90
3	784.50	20.50	34.80	-14.30	1.04 H	37	86.40	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	14.50	34.80	-20.30	1.94 V	93	80.50	-66.00
2	782.00	14.00	34.80	-20.80	1.95 V	96	79.90	-65.90
3	784.50	13.90	34.80	-20.90	1.98 V	94	79.80	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	20.10	34.80	-14.70	1.03 H	43	86.00	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	14.00	34.80	-20.80	1.92 V	93	79.90	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 256QAM

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205, 23230, 23255							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	18.00	34.80	-16.80	1.09 H	35	84.00	-66.00
2	782.00	17.60	34.80	-17.20	1.00 H	37	83.50	-65.90
3	784.50	18.30	34.80	-16.50	1.06 H	37	84.20	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	12.50	34.80	-22.30	2.00 V	99	78.50	-66.00
2	782.00	12.70	34.80	-22.10	1.93 V	99	78.60	-65.90
3	784.50	12.30	34.80	-22.50	1.90 V	96	78.20	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	18.90	34.80	-15.90	1.07 H	41	84.80	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	12.90	34.80	-21.90	1.99 V	93	78.80	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: QPSK

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755, 23790, 23825							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	22.30	34.80	-12.50	1.17 H	162	89.90	-67.60
2	710.00	22.40	34.80	-12.40	1.09 H	165	90.00	-67.60
3	713.50	22.70	34.80	-12.10	1.08 H	159	90.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	16.30	34.80	-18.50	1.12 V	94	83.90	-67.60
2	710.00	16.30	34.80	-18.50	1.16 V	92	83.90	-67.60
3	713.50	16.70	34.80	-18.10	1.19 V	96	84.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780, 23790, 23800							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	22.90	34.80	-11.90	1.14 H	160	90.50	-67.60
2	710.00	23.10	34.80	-11.70	1.14 H	161	90.70	-67.60
3	711.00	22.50	34.80	-12.30	1.15 H	161	90.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	16.40	34.80	-18.40	1.19 V	96	84.00	-67.60
2	710.00	16.00	34.80	-18.80	1.12 V	95	83.60	-67.60
3	711.00	16.60	34.80	-18.20	1.09 V	90	84.10	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 16QAM

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755, 23790, 23825							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	21.10	34.80	-13.70	1.12 H	166	88.70	-67.60
2	710.00	21.20	34.80	-13.60	1.13 H	165	88.80	-67.60
3	713.50	21.70	34.80	-13.10	1.09 H	166	89.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	15.30	34.80	-19.50	1.10 V	90	82.90	-67.60
2	710.00	15.30	34.80	-19.50	1.15 V	91	82.90	-67.60
3	713.50	15.70	34.80	-19.10	1.15 V	91	83.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780, 23790, 23800							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	21.70	34.80	-13.10	1.13 H	166	89.30	-67.60
2	710.00	22.00	34.80	-12.80	1.11 H	165	89.60	-67.60
3	711.00	21.60	34.80	-13.20	1.11 H	159	89.10	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	15.30	34.80	-19.50	1.15 V	93	82.90	-67.60
2	710.00	15.20	34.80	-19.60	1.15 V	93	82.80	-67.60
3	711.00	15.50	34.80	-19.30	1.19 V	92	83.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 64QAM

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755, 23790, 23825							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	20.60	34.80	-14.20	1.17 H	163	88.20	-67.60
2	710.00	20.60	34.80	-14.20	1.13 H	163	88.20	-67.60
3	713.50	21.20	34.80	-13.60	1.11 H	163	88.70	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	14.80	34.80	-20.00	1.09 V	93	82.40	-67.60
2	710.00	14.70	34.80	-20.10	1.13 V	91	82.30	-67.60
3	713.50	15.20	34.80	-19.60	1.15 V	93	82.70	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780, 23790, 23800							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	21.30	34.80	-13.50	1.18 H	161	88.90	-67.60
2	710.00	21.50	34.80	-13.30	1.18 H	162	89.10	-67.60
3	711.00	21.10	34.80	-13.70	1.11 H	164	88.60	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	14.80	34.80	-20.00	1.16 V	96	82.40	-67.60
2	710.00	14.70	34.80	-20.10	1.09 V	94	82.30	-67.60
3	711.00	15.00	34.80	-19.80	1.12 V	95	82.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 256QAM

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755, 23790, 23825							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	19.20	34.80	-15.60	1.14 H	160	86.80	-67.60
2	710.00	19.30	34.80	-15.50	1.16 H	165	86.90	-67.60
3	713.50	18.50	34.80	-16.30	1.23 H	163	86.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	13.60	34.80	-21.20	1.08 V	93	81.20	-67.60
2	710.00	13.40	34.80	-21.40	1.09 V	95	81.00	-67.60
3	713.50	13.00	34.80	-21.80	1.04 V	98	80.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780, 23790, 23800							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	19.50	34.80	-15.30	1.16 H	161	87.10	-67.60
2	710.00	19.70	34.80	-15.10	1.18 H	166	87.30	-67.60
3	711.00	19.20	34.80	-15.60	1.15 H	162	86.70	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	12.90	34.80	-21.90	1.13 V	97	80.50	-67.60
2	710.00	13.70	34.80	-21.10	1.13 V	91	81.30	-67.60
3	711.00	12.90	34.80	-21.90	1.08 V	93	80.40	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: QPSK

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685, 27710, 27735							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	17.90	23.90	-6.00	1.75 H	194	81.80	-63.90
2	2310.00	17.80	23.90	-6.10	1.79 H	195	81.70	-63.90
3	2312.50	17.70	23.90	-6.20	1.78 H	194	81.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	22.30	23.90	-1.60	2.45 V	210	86.20	-63.90
2	2310.00	22.60	23.90	-1.30	2.43 V	214	86.50	-63.90
3	2312.50	22.50	23.90	-1.40	2.43 V	208	86.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	18.40	23.90	-5.50	1.77 H	197	82.30	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	22.30	23.90	-1.60	2.47 V	210	86.20	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685, 27710, 27735							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	16.60	23.90	-7.30	1.76 H	193	80.50	-63.90
2	2310.00	16.70	23.90	-7.20	1.78 H	195	80.60	-63.90
3	2312.50	16.50	23.90	-7.40	1.77 H	192	80.40	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	21.30	23.90	-2.60	2.45 V	210	85.20	-63.90
2	2310.00	21.60	23.90	-2.30	2.43 V	214	85.50	-63.90
3	2312.50	21.50	23.90	-2.40	2.43 V	208	85.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	17.30	23.90	-6.60	1.78 H	199	81.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	20.10	23.90	-3.80	2.53 V	207	84.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685, 27710, 27735							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	15.50	23.90	-8.40	1.77 H	193	79.40	-63.90
2	2310.00	15.50	23.90	-8.40	1.78 H	194	79.40	-63.90
3	2312.50	15.60	23.90	-8.30	1.76 H	193	79.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	20.30	23.90	-3.60	2.45 V	210	84.20	-63.90
2	2310.00	20.60	23.90	-3.30	2.43 V	214	84.50	-63.90
3	2312.50	20.50	23.90	-3.40	2.43 V	208	84.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	16.10	23.90	-7.80	1.76 H	201	80.00	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	19.00	23.90	-4.90	2.48 V	212	82.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685, 27710, 27735							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	14.40	23.90	-9.50	1.75 H	188	78.30	-63.90
2	2310.00	14.30	23.90	-9.60	1.77 H	192	78.20	-63.90
3	2312.50	14.70	23.90	-9.20	1.78 H	192	78.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	19.30	23.90	-4.60	2.45 V	210	83.20	-63.90
2	2310.00	19.60	23.90	-4.30	2.43 V	214	83.50	-63.90
3	2312.50	19.50	23.90	-4.40	2.43 V	208	83.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	15.30	23.90	-8.60	1.77 H	196	79.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm/5MHz)	Limit (dBm/5MHz)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	17.60	23.90	-6.30	2.54 V	212	81.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775, 38000, 38225							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	9.70	33.00	-23.30	2.02 H	183	73.60	-63.90
2	2595.00	10.50	33.00	-22.50	2.06 H	186	74.40	-63.90
3	2617.50	10.00	33.00	-23.00	2.00 H	183	73.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	23.20	33.00	-9.80	1.75 V	201	87.10	-63.90
2	2595.00	23.30	33.00	-9.70	1.82 V	200	87.20	-63.90
3	2617.50	23.50	33.00	-9.50	1.79 V	199	87.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 10MHz

Mode	TX channel 37800, 38000, 38200							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	9.70	33.00	-23.30	1.97 H	182	73.60	-63.90
2	2595.00	9.80	33.00	-23.20	2.00 H	179	73.70	-63.90
3	2615.00	10.10	33.00	-22.90	2.03 H	186	74.00	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	23.20	33.00	-9.80	1.75 V	194	87.10	-63.90
2	2595.00	23.50	33.00	-9.50	1.82 V	195	87.40	-63.90
3	2615.00	23.80	33.00	-9.20	1.74 V	194	87.70	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 15MHz

Mode	TX channel 37825, 38000, 38175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	10.20	33.00	-22.80	1.98 H	184	74.10	-63.90
2	2595.00	10.00	33.00	-23.00	1.98 H	186	73.90	-63.90
3	2612.50	10.00	33.00	-23.00	2.04 H	185	73.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	23.50	33.00	-9.50	1.77 V	201	87.40	-63.90
2	2595.00	23.20	33.00	-9.80	1.83 V	196	87.10	-63.90
3	2612.50	23.60	33.00	-9.40	1.74 V	195	87.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850, 38000, 38150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	10.50	33.00	-22.50	1.99 H	184	74.40	-63.90
2	2595.00	10.30	33.00	-22.70	1.98 H	185	74.20	-63.90
3	2610.00	9.60	33.00	-23.40	2.04 H	182	73.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	23.40	33.00	-9.60	1.73 V	198	87.30	-63.90
2	2595.00	23.30	33.00	-9.70	1.83 V	195	87.20	-63.90
3	2610.00	23.90	33.00	-9.10	1.82 V	199	87.80	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775, 38000, 38225							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	8.70	33.00	-24.30	2.04 H	181	72.60	-63.90
2	2595.00	9.50	33.00	-23.50	2.03 H	185	73.40	-63.90
3	2617.50	8.90	33.00	-24.10	2.03 H	180	72.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	20.60	33.00	-12.40	1.73 V	201	84.50	-63.90
2	2595.00	20.10	33.00	-12.90	1.81 V	199	84.00	-63.90
3	2617.50	20.00	33.00	-13.00	1.74 V	200	83.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 10MHz

Mode	TX channel 37800, 38000, 38200							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	8.90	33.00	-24.10	2.06 H	184	72.80	-63.90
2	2595.00	8.90	33.00	-24.10	2.04 H	184	72.80	-63.90
3	2615.00	9.20	33.00	-23.80	1.97 H	182	73.10	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	20.70	33.00	-12.30	1.82 V	197	84.60	-63.90
2	2595.00	20.60	33.00	-12.40	1.80 V	196	84.50	-63.90
3	2615.00	21.00	33.00	-12.00	1.73 V	199	84.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 15MHz

Mode	TX channel 37825, 38000, 38175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	9.00	33.00	-24.00	2.06 H	185	72.90	-63.90
2	2595.00	8.80	33.00	-24.20	2.01 H	179	72.70	-63.90
3	2612.50	8.90	33.00	-24.10	1.97 H	179	72.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	20.50	33.00	-12.50	1.83 V	197	84.40	-63.90
2	2595.00	21.10	33.00	-11.90	1.74 V	197	85.00	-63.90
3	2612.50	20.70	33.00	-12.30	1.83 V	198	84.60	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850, 38000, 38150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	9.60	33.00	-23.40	1.98 H	185	73.50	-63.90
2	2595.00	9.40	33.00	-23.60	2.00 H	182	73.30	-63.90
3	2610.00	8.60	33.00	-24.40	1.97 H	180	72.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	20.60	33.00	-12.40	1.73 V	195	84.50	-63.90
2	2595.00	20.10	33.00	-12.90	1.73 V	200	84.00	-63.90
3	2610.00	20.40	33.00	-12.60	1.73 V	198	84.30	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775, 38000, 38225							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	8.10	33.00	-24.90	2.05 H	180	72.00	-63.90
2	2595.00	9.00	33.00	-24.00	2.04 H	183	72.90	-63.90
3	2617.50	8.30	33.00	-24.70	1.98 H	179	72.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	20.20	33.00	-12.80	1.71 V	202	84.10	-63.90
2	2595.00	19.50	33.00	-13.50	1.79 V	200	83.40	-63.90
3	2617.50	19.10	33.00	-13.90	1.71 V	198	83.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 10MHz

Mode	TX channel 37800, 38000, 38200							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	8.40	33.00	-24.60	2.02 H	182	72.30	-63.90
2	2595.00	8.50	33.00	-24.50	1.98 H	181	72.40	-63.90
3	2615.00	8.70	33.00	-24.30	2.04 H	180	72.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	20.30	33.00	-12.70	1.80 V	200	84.20	-63.90
2	2595.00	20.00	33.00	-13.00	1.82 V	198	83.90	-63.90
3	2615.00	20.40	33.00	-12.60	1.83 V	194	84.30	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 15MHz

Mode	TX channel 37825, 38000, 38175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	8.40	33.00	-24.60	1.97 H	182	72.30	-63.90
2	2595.00	8.20	33.00	-24.80	2.02 H	181	72.10	-63.90
3	2612.50	8.40	33.00	-24.60	1.99 H	182	72.30	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	20.10	33.00	-12.90	1.82 V	197	84.00	-63.90
2	2595.00	20.60	33.00	-12.40	1.79 V	196	84.50	-63.90
3	2612.50	20.10	33.00	-12.90	1.81 V	198	84.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850, 38000, 38150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	9.00	33.00	-24.00	2.07 H	182	72.90	-63.90
2	2595.00	8.90	33.00	-24.10	2.04 H	180	72.80	-63.90
3	2610.00	8.20	33.00	-24.80	2.02 H	185	72.10	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	20.00	33.00	-13.00	1.75 V	195	83.90	-63.90
2	2595.00	19.50	33.00	-13.50	1.80 V	201	83.40	-63.90
3	2610.00	20.00	33.00	-13.00	1.78 V	197	83.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775, 38000, 38225							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	6.20	33.00	-26.80	2.02 H	181	70.10	-63.90
2	2595.00	6.20	33.00	-26.80	1.94 H	185	70.10	-63.90
3	2617.50	6.50	33.00	-26.50	1.94 H	181	70.40	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	17.60	33.00	-15.40	1.81 V	200	81.50	-63.90
2	2595.00	17.20	33.00	-15.80	1.74 V	201	81.10	-63.90
3	2617.50	17.50	33.00	-15.50	1.78 V	198	81.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 10MHz

Mode	TX channel 37800, 38000, 38200							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	6.50	33.00	-26.50	1.97 H	183	70.40	-63.90
2	2595.00	6.60	33.00	-26.40	1.95 H	181	70.50	-63.90
3	2615.00	6.30	33.00	-26.70	1.98 H	180	70.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	17.00	33.00	-16.00	1.74 V	199	80.90	-63.90
2	2595.00	17.40	33.00	-15.60	1.79 V	203	81.30	-63.90
3	2615.00	17.40	33.00	-15.60	1.81 V	202	81.30	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 15MHz

Mode	TX channel 37825, 38000, 38175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	7.20	33.00	-25.80	1.98 H	185	71.10	-63.90
2	2595.00	6.70	33.00	-26.30	1.99 H	180	70.60	-63.90
3	2612.50	6.50	33.00	-26.50	2.00 H	178	70.40	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	17.70	33.00	-15.30	1.84 V	202	81.60	-63.90
2	2595.00	18.10	33.00	-14.90	1.78 V	203	82.00	-63.90
3	2612.50	16.90	33.00	-16.10	1.74 V	202	80.80	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850, 38000, 38150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	7.20	33.00	-25.80	1.96 H	181	71.10	-63.90
2	2595.00	7.20	33.00	-25.80	1.95 H	181	71.10	-63.90
3	2610.00	6.90	33.00	-26.10	1.96 H	180	70.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	18.00	33.00	-15.00	1.83 V	201	81.90	-63.90
2	2595.00	17.90	33.00	-15.10	1.80 V	201	81.80	-63.90
3	2610.00	17.60	33.00	-15.40	1.74 V	203	81.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675, 40620, 41565							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	9.10	33.00	-23.90	1.99 H	185	73.30	-64.20
2	2593.00	9.60	33.00	-23.40	2.08 H	186	73.50	-63.90
3	2687.50	9.70	33.00	-23.30	1.99 H	190	73.50	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	23.30	33.00	-9.70	2.75 V	203	87.50	-64.20
2	2593.00	23.20	33.00	-9.80	2.73 V	199	87.10	-63.90
3	2687.50	23.50	33.00	-9.50	2.70 V	203	87.30	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 10MHz

Mode	TX channel 39700, 40620, 41540							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	8.70	33.00	-24.30	2.03 H	187	72.90	-64.20
2	2593.00	9.70	33.00	-23.30	2.07 H	188	73.60	-63.90
3	2685.00	9.80	33.00	-23.20	2.00 H	189	73.60	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	23.50	33.00	-9.50	2.79 V	199	87.70	-64.20
2	2593.00	23.40	33.00	-9.60	2.77 V	197	87.30	-63.90
3	2685.00	23.20	33.00	-9.80	2.73 V	198	87.00	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 15MHz

Mode	TX channel 39725, 40620, 41515							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	8.90	33.00	-24.10	2.09 H	186	73.10	-64.20
2	2593.00	9.60	33.00	-23.40	2.03 H	189	73.50	-63.90
3	2682.50	9.90	33.00	-23.10	2.03 H	190	73.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	23.40	33.00	-9.60	2.72 V	198	87.60	-64.20
2	2593.00	23.30	33.00	-9.70	2.73 V	197	87.20	-63.90
3	2682.50	23.30	33.00	-9.70	2.71 V	204	87.10	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750, 40620, 41490							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	8.80	33.00	-24.20	2.02 H	183	73.00	-64.20
2	2593.00	9.80	33.00	-23.20	2.01 H	186	73.70	-63.90
3	2680.00	9.60	33.00	-23.40	2.08 H	188	73.40	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	23.40	33.00	-9.60	2.75 V	197	87.60	-64.20
2	2593.00	23.30	33.00	-9.70	2.69 V	203	87.20	-63.90
3	2680.00	23.60	33.00	-9.40	2.79 V	198	87.40	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675, 40620, 41565							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	8.20	33.00	-24.80	2.05 H	188	72.40	-64.20
2	2593.00	8.70	33.00	-24.30	2.08 H	184	72.60	-63.90
3	2687.50	8.60	33.00	-24.40	2.02 H	184	72.40	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	22.30	33.00	-10.70	2.75 V	203	86.50	-64.20
2	2593.00	22.20	33.00	-10.80	2.73 V	199	86.10	-63.90
3	2687.50	22.50	33.00	-10.50	2.70 V	203	86.30	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 10MHz

Mode	TX channel 39700, 40620, 41540							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	7.70	33.00	-25.30	2.06 H	186	71.90	-64.20
2	2593.00	8.50	33.00	-24.50	2.07 H	183	72.40	-63.90
3	2685.00	8.60	33.00	-24.40	2.07 H	185	72.40	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	22.50	33.00	-10.50	2.79 V	199	86.70	-64.20
2	2593.00	22.40	33.00	-10.60	2.77 V	197	86.30	-63.90
3	2685.00	22.20	33.00	-10.80	2.73 V	198	86.00	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 15MHz

Mode	TX channel 39725, 40620, 41515							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	8.10	33.00	-24.90	2.02 H	190	72.30	-64.20
2	2593.00	8.60	33.00	-24.40	2.02 H	186	72.50	-63.90
3	2682.50	8.70	33.00	-24.30	2.05 H	184	72.50	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	22.40	33.00	-10.60	2.72 V	198	86.60	-64.20
2	2593.00	22.30	33.00	-10.70	2.73 V	197	86.20	-63.90
3	2682.50	22.30	33.00	-10.70	2.71 V	204	86.10	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750, 40620, 41490							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	7.90	33.00	-25.10	2.03 H	187	72.10	-64.20
2	2593.00	9.00	33.00	-24.00	2.03 H	189	72.90	-63.90
3	2680.00	8.60	33.00	-24.40	2.00 H	183	72.40	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	22.40	33.00	-10.60	2.75 V	197	86.60	-64.20
2	2593.00	22.30	33.00	-10.70	2.69 V	203	86.20	-63.90
3	2680.00	22.60	33.00	-10.40	2.79 V	198	86.40	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675, 40620, 41565							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	7.80	33.00	-25.20	2.07 H	189	72.00	-64.20
2	2593.00	8.30	33.00	-24.70	2.06 H	186	72.20	-63.90
3	2687.50	8.20	33.00	-24.80	2.07 H	185	72.00	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	21.60	33.00	-11.40	2.75 V	203	85.80	-64.20
2	2593.00	21.70	33.00	-11.30	2.73 V	199	85.60	-63.90
3	2687.50	22.00	33.00	-11.00	2.70 V	203	85.80	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 10MHz

Mode	TX channel 39700, 40620, 41540							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	7.20	33.00	-25.80	1.99 H	185	71.40	-64.20
2	2593.00	7.90	33.00	-25.10	2.05 H	187	71.80	-63.90
3	2685.00	8.10	33.00	-24.90	2.01 H	186	71.90	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	21.90	33.00	-11.10	2.79 V	199	86.10	-64.20
2	2593.00	21.80	33.00	-11.20	2.77 V	197	85.70	-63.90
3	2685.00	21.50	33.00	-11.50	2.73 V	198	85.30	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 15MHz

Mode	TX channel 39725, 40620, 41515							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	7.70	33.00	-25.30	2.09 H	189	71.90	-64.20
2	2593.00	8.00	33.00	-25.00	2.03 H	184	71.90	-63.90
3	2682.50	8.20	33.00	-24.80	2.04 H	190	72.00	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	21.40	33.00	-11.60	2.72 V	198	85.60	-64.20
2	2593.00	21.70	33.00	-11.30	2.73 V	197	85.60	-63.90
3	2682.50	21.70	33.00	-11.30	2.71 V	204	85.50	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750, 40620, 41490							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	7.30	33.00	-25.70	2.08 H	187	71.50	-64.20
2	2593.00	8.60	33.00	-24.40	2.06 H	184	72.50	-63.90
3	2680.00	8.10	33.00	-24.90	2.07 H	189	71.90	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	21.50	33.00	-11.50	2.75 V	197	85.70	-64.20
2	2593.00	21.60	33.00	-11.40	2.69 V	203	85.50	-63.90
3	2680.00	21.80	33.00	-11.20	2.79 V	198	85.60	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675, 40620, 41565							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	5.80	33.00	-27.20	2.10 H	183	70.00	-64.20
2	2593.00	5.20	33.00	-27.80	2.01 H	183	69.10	-63.90
3	2687.50	5.90	33.00	-27.10	2.05 H	183	69.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	20.60	33.00	-12.40	2.75 V	203	84.80	-64.20
2	2593.00	20.70	33.00	-12.30	2.73 V	199	84.60	-63.90
3	2687.50	21.00	33.00	-12.00	2.70 V	203	84.80	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 10MHz

Mode	TX channel 39700, 40620, 41540							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	6.10	33.00	-26.90	2.06 H	187	70.30	-64.20
2	2593.00	5.60	33.00	-27.40	2.06 H	187	69.50	-63.90
3	2685.00	6.20	33.00	-26.80	2.10 H	184	70.00	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	20.90	33.00	-12.10	2.79 V	199	85.10	-64.20
2	2593.00	20.80	33.00	-12.20	2.77 V	197	84.70	-63.90
3	2685.00	20.50	33.00	-12.50	2.73 V	198	84.30	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 15MHz

Mode	TX channel 39725, 40620, 41515							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	6.10	33.00	-26.90	2.09 H	181	70.30	-64.20
2	2593.00	5.20	33.00	-27.80	2.02 H	186	69.10	-63.90
3	2682.50	5.80	33.00	-27.20	2.01 H	186	69.60	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	20.40	33.00	-12.60	2.72 V	198	84.60	-64.20
2	2593.00	20.70	33.00	-12.30	2.73 V	197	84.60	-63.90
3	2682.50	20.70	33.00	-12.30	2.71 V	204	84.50	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750, 40620, 41490							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	5.10	33.00	-27.90	2.03 H	186	69.30	-64.20
2	2593.00	6.10	33.00	-26.90	2.03 H	185	70.00	-63.90
3	2680.00	5.80	33.00	-27.20	2.05 H	188	69.60	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	20.50	33.00	-12.50	2.75 V	197	84.70	-64.20
2	2593.00	20.60	33.00	-12.40	2.69 V	203	84.50	-63.90
3	2680.00	20.80	33.00	-12.20	2.79 V	198	84.60	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.90	30.00	-10.10	1.20 H	22	86.70	-66.80
2	1745.00	19.80	30.00	-10.20	1.15 H	23	86.40	-66.60
3	1779.30	19.80	30.00	-10.20	1.21 H	22	86.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	20.50	30.00	-9.50	3.25 V	294	87.30	-66.80
2	1745.00	20.30	30.00	-9.70	3.29 V	290	86.90	-66.60
3	1779.30	20.30	30.00	-9.70	3.26 V	291	86.90	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.40	30.00	-10.60	1.14 H	20	86.20	-66.80
2	1745.00	19.70	30.00	-10.30	1.14 H	25	86.30	-66.60
3	1778.50	19.60	30.00	-10.40	1.16 H	24	86.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.30	30.00	-9.70	3.32 V	294	87.10	-66.80
2	1745.00	20.90	30.00	-9.10	3.32 V	293	87.50	-66.60
3	1778.50	20.70	30.00	-9.30	3.27 V	297	87.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.60	30.00	-10.40	1.19 H	23	86.40	-66.80
2	1745.00	19.50	30.00	-10.50	1.21 H	21	86.10	-66.60
3	1777.50	19.70	30.00	-10.30	1.20 H	18	86.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	20.80	30.00	-9.20	3.31 V	293	87.60	-66.80
2	1745.00	20.60	30.00	-9.40	3.31 V	291	87.20	-66.60
3	1777.50	20.30	30.00	-9.70	3.28 V	295	86.90	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.20	30.00	-10.80	1.13 H	22	86.00	-66.80
2	1745.00	19.90	30.00	-10.10	1.13 H	20	86.50	-66.60
3	1775.00	20.20	30.00	-9.80	1.17 H	18	86.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.30	30.00	-9.70	3.22 V	296	87.10	-66.80
2	1745.00	20.50	30.00	-9.50	3.22 V	296	87.10	-66.60
3	1775.00	20.80	30.00	-9.20	3.29 V	295	87.40	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.30	30.00	-10.70	1.21 H	25	86.10	-66.80
2	1745.00	19.80	30.00	-10.20	1.16 H	21	86.40	-66.60
3	1772.50	19.60	30.00	-10.40	1.19 H	21	86.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.30	30.00	-9.70	3.31 V	296	87.10	-66.80
2	1745.00	21.00	30.00	-9.00	3.28 V	294	87.60	-66.60
3	1772.50	20.80	30.00	-9.20	3.30 V	296	87.40	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.10	30.00	-10.90	1.14 H	18	85.90	-66.80
2	1745.00	19.70	30.00	-10.30	1.15 H	21	86.30	-66.60
3	1770.00	19.30	30.00	-10.70	1.12 H	20	85.90	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.30	30.00	-9.70	3.24 V	291	87.10	-66.80
2	1745.00	21.00	30.00	-9.00	3.26 V	292	87.60	-66.60
3	1770.00	20.70	30.00	-9.30	3.24 V	291	87.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.80	30.00	-11.20	1.15 H	19	85.60	-66.80
2	1745.00	18.90	30.00	-11.10	1.15 H	21	85.50	-66.60
3	1779.30	19.00	30.00	-11.00	1.18 H	19	85.60	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.50	30.00	-10.50	3.23 V	291	86.30	-66.80
2	1745.00	19.10	30.00	-10.90	3.26 V	290	85.70	-66.60
3	1779.30	19.50	30.00	-10.50	3.22 V	293	86.10	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.20	30.00	-11.80	1.13 H	25	85.00	-66.80
2	1745.00	18.60	30.00	-11.40	1.19 H	19	85.20	-66.60
3	1778.50	18.70	30.00	-11.30	1.17 H	20	85.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.40	30.00	-10.60	3.22 V	292	86.20	-66.80
2	1745.00	19.80	30.00	-10.20	3.24 V	296	86.40	-66.60
3	1778.50	19.90	30.00	-10.10	3.24 V	297	86.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.60	30.00	-11.40	1.19 H	23	85.40	-66.80
2	1745.00	18.60	30.00	-11.40	1.20 H	25	85.20	-66.60
3	1777.50	18.50	30.00	-11.50	1.12 H	20	85.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.60	30.00	-10.40	3.25 V	293	86.40	-66.80
2	1745.00	19.70	30.00	-10.30	3.32 V	295	86.30	-66.60
3	1777.50	19.40	30.00	-10.60	3.23 V	293	86.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.00	30.00	-12.00	1.17 H	19	84.80	-66.80
2	1745.00	18.80	30.00	-11.20	1.15 H	22	85.40	-66.60
3	1775.00	19.20	30.00	-10.80	1.17 H	19	85.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.30	30.00	-10.70	3.32 V	293	86.10	-66.80
2	1745.00	19.10	30.00	-10.90	3.23 V	292	85.70	-66.60
3	1775.00	19.90	30.00	-10.10	3.24 V	296	86.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.30	30.00	-11.70	1.15 H	20	85.10	-66.80
2	1745.00	19.00	30.00	-11.00	1.11 H	23	85.60	-66.60
3	1772.50	18.50	30.00	-11.50	1.20 H	18	85.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.50	30.00	-10.50	3.25 V	291	86.30	-66.80
2	1745.00	20.00	30.00	-10.00	3.24 V	294	86.60	-66.60
3	1772.50	20.00	30.00	-10.00	3.32 V	297	86.60	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.90	30.00	-12.10	1.14 H	18	84.70	-66.80
2	1745.00	18.60	30.00	-11.40	1.16 H	20	85.20	-66.60
3	1770.00	18.20	30.00	-11.80	1.13 H	19	84.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.40	30.00	-10.60	3.29 V	297	86.20	-66.80
2	1745.00	19.90	30.00	-10.10	3.32 V	293	86.50	-66.60
3	1770.00	19.10	30.00	-10.90	3.27 V	291	85.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.40	30.00	-11.60	1.18 H	23	85.20	-66.80
2	1745.00	18.40	30.00	-11.60	1.12 H	22	85.00	-66.60
3	1779.30	18.60	30.00	-11.40	1.11 H	21	85.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.90	30.00	-11.10	3.29 V	295	85.70	-66.80
2	1745.00	18.70	30.00	-11.30	3.23 V	292	85.30	-66.60
3	1779.30	19.00	30.00	-11.00	3.22 V	292	85.60	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.70	30.00	-12.30	1.16 H	25	84.50	-66.80
2	1745.00	18.20	30.00	-11.80	1.14 H	21	84.80	-66.60
3	1778.50	18.10	30.00	-11.90	1.14 H	18	84.70	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.90	30.00	-11.10	3.24 V	297	85.70	-66.80
2	1745.00	19.20	30.00	-10.80	3.31 V	294	85.80	-66.60
3	1778.50	19.40	30.00	-10.60	3.27 V	295	86.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.90	30.00	-12.10	1.17 H	18	84.70	-66.80
2	1745.00	18.20	30.00	-11.80	1.15 H	23	84.80	-66.60
3	1777.50	17.90	30.00	-12.10	1.13 H	25	84.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.20	30.00	-10.80	3.24 V	291	86.00	-66.80
2	1745.00	19.30	30.00	-10.70	3.28 V	295	85.90	-66.60
3	1777.50	19.00	30.00	-11.00	3.23 V	291	85.60	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.50	30.00	-12.50	1.13 H	22	84.30	-66.80
2	1745.00	18.40	30.00	-11.60	1.20 H	20	85.00	-66.60
3	1775.00	18.70	30.00	-11.30	1.20 H	21	85.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.70	30.00	-11.30	3.27 V	292	85.50	-66.80
2	1745.00	18.70	30.00	-11.30	3.22 V	293	85.30	-66.60
3	1775.00	19.40	30.00	-10.60	3.28 V	297	86.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.70	30.00	-12.30	1.13 H	19	84.50	-66.80
2	1745.00	18.50	30.00	-11.50	1.19 H	21	85.10	-66.60
3	1772.50	17.90	30.00	-12.10	1.19 H	19	84.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.00	30.00	-11.00	3.26 V	293	85.80	-66.80
2	1745.00	19.60	30.00	-10.40	3.23 V	294	86.20	-66.60
3	1772.50	19.60	30.00	-10.40	3.29 V	296	86.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.40	30.00	-12.60	1.19 H	21	84.20	-66.80
2	1745.00	18.20	30.00	-11.80	1.19 H	21	84.80	-66.60
3	1770.00	17.60	30.00	-12.40	1.17 H	23	84.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.80	30.00	-11.20	3.32 V	291	85.60	-66.80
2	1745.00	19.50	30.00	-10.50	3.28 V	292	86.10	-66.60
3	1770.00	18.60	30.00	-11.40	2.92 V	291	85.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.00	30.00	-14.00	1.11 H	20	82.80	-66.80
2	1745.00	15.70	30.00	-14.30	1.10 H	25	82.30	-66.60
3	1779.30	15.40	30.00	-14.60	1.12 H	25	82.00	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.80	30.00	-12.20	3.18 V	290	84.60	-66.80
2	1745.00	17.40	30.00	-12.60	3.20 V	296	84.00	-66.60
3	1779.30	16.80	30.00	-13.20	3.27 V	293	83.40	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	15.30	30.00	-14.70	1.14 H	22	82.10	-66.80
2	1745.00	15.50	30.00	-14.50	1.08 H	23	82.10	-66.60
3	1778.50	15.60	30.00	-14.40	1.14 H	21	82.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.10	30.00	-12.90	3.24 V	292	83.90	-66.80
2	1745.00	17.10	30.00	-12.90	3.28 V	292	83.70	-66.60
3	1778.50	17.40	30.00	-12.60	3.23 V	290	84.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	15.40	30.00	-14.60	1.15 H	26	82.20	-66.80
2	1745.00	16.10	30.00	-13.90	1.07 H	20	82.70	-66.60
3	1777.50	15.70	30.00	-14.30	1.16 H	20	82.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.50	30.00	-12.50	3.23 V	289	84.30	-66.80
2	1745.00	17.40	30.00	-12.60	3.23 V	294	84.00	-66.60
3	1777.50	17.10	30.00	-12.90	3.28 V	290	83.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	15.30	30.00	-14.70	1.08 H	23	82.10	-66.80
2	1745.00	16.10	30.00	-13.90	1.10 H	23	82.70	-66.60
3	1775.00	15.80	30.00	-14.20	1.15 H	20	82.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.60	30.00	-13.40	3.23 V	293	83.40	-66.80
2	1745.00	17.60	30.00	-12.40	3.19 V	292	84.20	-66.60
3	1775.00	17.40	30.00	-12.60	3.21 V	293	84.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.10	30.00	-13.90	1.15 H	22	82.90	-66.80
2	1745.00	15.30	30.00	-14.70	1.07 H	20	81.90	-66.60
3	1772.50	15.50	30.00	-14.50	1.07 H	21	82.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.20	30.00	-12.80	3.21 V	290	84.00	-66.80
2	1745.00	17.30	30.00	-12.70	3.22 V	295	83.90	-66.60
3	1772.50	17.20	30.00	-12.80	3.19 V	295	83.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	15.50	30.00	-14.50	1.08 H	22	82.30	-66.80
2	1745.00	16.30	30.00	-13.70	1.07 H	25	82.90	-66.60
3	1770.00	15.80	30.00	-14.20	1.15 H	20	82.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.70	30.00	-13.30	3.20 V	293	83.50	-66.80
2	1745.00	17.80	30.00	-12.20	3.21 V	293	84.40	-66.60
3	1770.00	16.50	30.00	-13.50	3.19 V	296	83.10	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147, 133297, 133447							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	22.40	34.80	-12.40	1.26 H	171	90.60	-68.20
2	680.50	22.80	34.80	-12.00	1.23 H	168	90.80	-68.00
3	695.50	22.80	34.80	-12.00	1.24 H	172	90.50	-67.70
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	11.90	34.80	-22.90	1.20 V	193	80.10	-68.20
2	680.50	12.50	34.80	-22.30	1.21 V	194	80.50	-68.00
3	695.50	12.00	34.80	-22.80	1.21 V	193	79.70	-67.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 10MHz

Mode	TX channel 133172, 133297, 133422							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	22.00	34.80	-12.80	1.23 H	169	90.20	-68.20
2	680.50	23.00	34.80	-11.80	1.20 H	165	91.00	-68.00
3	693.00	23.00	34.80	-11.80	1.24 H	166	90.80	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	12.00	34.80	-22.80	1.25 V	193	80.20	-68.20
2	680.50	11.80	34.80	-23.00	1.26 V	190	79.80	-68.00
3	693.00	12.20	34.80	-22.60	1.23 V	194	80.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 15MHz

Mode	TX channel 133197, 133297, 133397							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	22.90	34.80	-11.90	1.25 H	168	90.90	-68.00
2	680.50	23.00	34.80	-11.80	1.27 H	167	91.00	-68.00
3	690.50	23.20	34.80	-11.60	1.24 H	171	91.00	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	12.00	34.80	-22.80	1.24 V	191	80.00	-68.00
2	680.50	12.50	34.80	-22.30	1.17 V	192	80.50	-68.00
3	690.50	12.70	34.80	-22.10	1.19 V	194	80.50	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222, 133297, 133372							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	23.40	34.80	-11.40	1.21 H	166	91.40	-68.00
2	680.50	22.20	34.80	-12.60	1.21 H	172	90.20	-68.00
3	688.00	23.00	34.80	-11.80	1.23 H	165	90.80	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	12.20	34.80	-22.60	1.24 V	196	80.20	-68.00
2	680.50	12.00	34.80	-22.80	1.18 V	194	80.00	-68.00
3	688.00	12.20	34.80	-22.60	1.22 V	194	80.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 16QAM

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147, 133297, 133447							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	21.20	34.80	-13.60	1.22 H	166	89.40	-68.20
2	680.50	21.80	34.80	-13.00	1.24 H	167	89.80	-68.00
3	695.50	21.80	34.80	-13.00	1.24 H	165	89.50	-67.70
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	10.80	34.80	-24.00	1.23 V	197	79.00	-68.20
2	680.50	11.50	34.80	-23.30	1.22 V	194	79.50	-68.00
3	695.50	11.00	34.80	-23.80	1.20 V	194	78.70	-67.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 10MHz

Mode	TX channel 133172, 133297, 133422							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	21.30	34.80	-13.50	1.18 H	165	89.50	-68.20
2	680.50	22.00	34.80	-12.80	1.19 H	171	90.00	-68.00
3	693.00	21.70	34.80	-13.10	1.27 H	167	89.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	11.00	34.80	-23.80	1.21 V	191	79.20	-68.20
2	680.50	10.80	34.80	-24.00	1.19 V	192	78.80	-68.00
3	693.00	11.20	34.80	-23.60	1.25 V	190	79.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 15MHz

Mode	TX channel 133197, 133297, 133397							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	22.20	34.80	-12.60	1.22 H	165	90.20	-68.00
2	680.50	22.00	34.80	-12.80	1.25 H	171	90.00	-68.00
3	690.50	22.20	34.80	-12.60	1.20 H	172	90.00	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	11.20	34.80	-23.60	1.21 V	195	79.20	-68.00
2	680.50	11.50	34.80	-23.30	1.27 V	190	79.50	-68.00
3	690.50	11.70	34.80	-23.10	1.19 V	191	79.50	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222, 133297, 133372							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	21.50	34.80	-13.30	1.26 H	166	89.50	-68.00
2	680.50	21.50	34.80	-13.30	1.26 H	167	89.50	-68.00
3	688.00	21.70	34.80	-13.10	1.18 H	172	89.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	11.50	34.80	-23.30	1.21 V	190	79.50	-68.00
2	680.50	11.00	34.80	-23.80	1.19 V	193	79.00	-68.00
3	688.00	11.20	34.80	-23.60	1.23 V	190	79.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 64QAM

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147, 133297, 133447							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	20.80	34.80	-14.00	1.25 H	170	89.00	-68.20
2	680.50	21.20	34.80	-13.60	1.27 H	171	89.20	-68.00
3	695.50	21.20	34.80	-13.60	1.22 H	169	88.90	-67.70
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	10.00	34.80	-24.80	1.20 V	196	78.20	-68.20
2	680.50	11.00	34.80	-23.80	1.23 V	194	79.00	-68.00
3	695.50	10.40	34.80	-24.40	1.26 V	193	78.10	-67.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 10MHz

Mode	TX channel 133172, 133297, 133422							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	20.80	34.80	-14.00	1.18 H	171	89.00	-68.20
2	680.50	21.50	34.80	-13.30	1.23 H	167	89.50	-68.00
3	693.00	21.20	34.80	-13.60	1.24 H	169	89.00	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	10.60	34.80	-24.20	1.25 V	196	78.80	-68.20
2	680.50	10.20	34.80	-24.60	1.23 V	194	78.20	-68.00
3	693.00	10.40	34.80	-24.40	1.19 V	196	78.20	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 15MHz

Mode	TX channel 133197, 133297, 133397							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	21.50	34.80	-13.30	1.21 H	169	89.50	-68.00
2	680.50	21.50	34.80	-13.30	1.25 H	168	89.50	-68.00
3	690.50	21.70	34.80	-13.10	1.27 H	168	89.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	10.80	34.80	-24.00	1.17 V	192	78.80	-68.00
2	680.50	11.00	34.80	-23.80	1.27 V	196	79.00	-68.00
3	690.50	11.20	34.80	-23.60	1.27 V	195	79.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222, 133297, 133372							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	21.00	34.80	-13.80	1.22 H	166	89.00	-68.00
2	680.50	21.00	34.80	-13.80	1.17 H	165	89.00	-68.00
3	688.00	21.20	34.80	-13.60	1.27 H	167	89.00	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	10.80	34.80	-24.00	1.20 V	191	78.80	-68.00
2	680.50	10.50	34.80	-24.30	1.17 V	195	78.50	-68.00
3	688.00	10.70	34.80	-24.10	1.24 V	192	78.50	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 256QAM

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147, 133297, 133447							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	19.60	34.80	-15.20	1.31 H	171	87.80	-68.20
2	680.50	19.70	34.80	-15.10	1.25 H	175	87.70	-68.00
3	695.50	19.50	34.80	-15.30	1.24 H	168	87.20	-67.70
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	9.40	34.80	-25.40	1.25 V	194	77.60	-68.20
2	680.50	9.20	34.80	-25.60	1.16 V	199	77.20	-68.00
3	695.50	8.50	34.80	-26.30	1.18 V	195	76.20	-67.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 10MHz

Mode	TX channel 133172, 133297, 133422							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	19.80	34.80	-15.00	1.26 H	171	88.00	-68.20
2	680.50	19.20	34.80	-15.60	1.27 H	172	87.20	-68.00
3	693.00	18.70	34.80	-16.10	1.22 H	172	86.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	9.00	34.80	-25.80	1.17 V	199	77.20	-68.20
2	680.50	9.00	34.80	-25.80	1.17 V	194	77.00	-68.00
3	693.00	8.40	34.80	-26.40	1.24 V	200	76.20	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 15MHz

Mode	TX channel 133197, 133297, 133397							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	19.20	34.80	-15.60	1.23 H	172	87.20	-68.00
2	680.50	19.20	34.80	-15.60	1.32 H	170	87.20	-68.00
3	690.50	19.40	34.80	-15.40	1.26 H	174	87.20	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	8.60	34.80	-26.20	1.19 V	195	76.60	-68.00
2	680.50	8.90	34.80	-25.90	1.25 V	194	76.90	-68.00
3	690.50	8.20	34.80	-26.60	1.23 V	197	76.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222, 133297, 133372							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	19.80	34.80	-15.00	1.28 H	172	87.80	-68.00
2	680.50	19.70	34.80	-15.10	1.30 H	168	87.70	-68.00
3	688.00	18.70	34.80	-16.10	1.22 H	168	86.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	9.10	34.80	-25.70	1.24 V	198	77.10	-68.00
2	680.50	9.20	34.80	-25.60	1.25 V	195	77.20	-68.00
3	688.00	8.20	34.80	-26.60	1.22 V	193	76.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

External Antenna

Modulation Type: QPSK

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957, 20175, 20393							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	15.10	30.00	-14.90	2.20 H	62	81.90	-66.80
2	1732.50	15.80	30.00	-14.20	1.00 H	64	82.60	-66.80
3	1754.30	15.90	30.00	-14.10	2.19 H	61	82.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	21.70	30.00	-8.30	1.03 V	311	88.50	-66.80
2	1732.50	20.90	30.00	-9.10	1.04 V	313	87.70	-66.80
3	1754.30	21.40	30.00	-8.60	1.04 V	311	88.00	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 3MHz

Mode	TX channel 19965, 20175, 20385							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	15.80	30.00	-14.20	2.19 H	63	82.60	-66.80
2	1732.50	15.80	30.00	-14.20	2.20 H	60	82.60	-66.80
3	1753.50	15.70	30.00	-14.30	2.27 H	62	82.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	21.70	30.00	-8.30	1.02 V	306	88.50	-66.80
2	1732.50	20.90	30.00	-9.10	1.00 V	306	87.70	-66.80
3	1753.50	21.30	30.00	-8.70	1.04 V	306	87.90	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975, 20175, 20375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	15.40	30.00	-14.60	2.19 H	64	82.20	-66.80
2	1732.50	15.70	30.00	-14.30	2.25 H	63	82.50	-66.80
3	1752.50	15.20	30.00	-14.80	2.27 H	63	81.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	21.20	30.00	-8.80	1.03 V	313	88.00	-66.80
2	1732.50	20.80	30.00	-9.20	1.02 V	313	87.60	-66.80
3	1752.50	21.20	30.00	-8.80	1.00 V	308	87.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 10MHz

Mode	TX channel 20000, 20175, 20350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	15.30	30.00	-14.70	2.17 H	61	82.10	-66.80
2	1732.50	15.40	30.00	-14.60	2.17 H	66	82.20	-66.80
3	1750.00	15.70	30.00	-14.30	2.26 H	63	82.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	21.60	30.00	-8.40	1.01 V	313	88.40	-66.80
2	1732.50	21.10	30.00	-8.90	1.05 V	308	87.90	-66.80
3	1750.00	21.90	30.00	-8.10	1.05 V	312	88.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 15MHz

Mode	TX channel 20025, 20175, 20325							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	15.90	30.00	-14.10	2.20 H	65	82.70	-66.80
2	1732.50	15.90	30.00	-14.10	2.21 H	61	82.70	-66.80
3	1747.50	15.90	30.00	-14.10	2.26 H	63	82.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	21.60	30.00	-8.40	1.01 V	307	88.40	-66.80
2	1732.50	21.70	30.00	-8.30	1.00 V	308	88.50	-66.80
3	1747.50	21.00	30.00	-9.00	1.00 V	308	87.60	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050, 20175, 20300							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	15.70	30.00	-14.30	2.20 H	64	82.50	-66.80
2	1732.50	16.00	30.00	-14.00	2.22 H	62	82.80	-66.80
3	1745.00	15.70	30.00	-14.30	2.18 H	62	82.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	22.00	30.00	-8.00	1.05 V	308	88.80	-66.80
2	1732.50	21.80	30.00	-8.20	1.04 V	309	88.60	-66.80
3	1745.00	21.80	30.00	-8.20	1.02 V	306	88.40	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957, 20175, 20393							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	14.30	30.00	-15.70	2.26 H	62	81.10	-66.80
2	1732.50	14.90	30.00	-15.10	2.23 H	66	81.70	-66.80
3	1754.30	14.70	30.00	-15.30	2.20 H	62	81.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	20.70	30.00	-9.30	1.02 V	312	87.50	-66.80
2	1732.50	19.70	30.00	-10.30	1.06 V	310	86.50	-66.80
3	1754.30	20.50	30.00	-9.50	1.00 V	311	87.10	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 3MHz

Mode	TX channel 19965, 20175, 20385							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	15.00	30.00	-15.00	2.21 H	66	81.80	-66.80
2	1732.50	14.70	30.00	-15.30	2.23 H	61	81.50	-66.80
3	1753.50	14.80	30.00	-15.20	2.27 H	63	81.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.80	30.00	-9.20	1.03 V	306	87.60	-66.80
2	1732.50	20.00	30.00	-10.00	1.00 V	312	86.80	-66.80
3	1753.50	20.50	30.00	-9.50	1.00 V	310	87.10	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975, 20175, 20375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	14.60	30.00	-15.40	2.22 H	65	81.40	-66.80
2	1732.50	14.90	30.00	-15.10	2.18 H	67	81.70	-66.80
3	1752.50	14.20	30.00	-15.80	2.23 H	60	80.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	20.40	30.00	-9.60	1.00 V	312	87.20	-66.80
2	1732.50	19.90	30.00	-10.10	1.04 V	310	86.70	-66.80
3	1752.50	20.00	30.00	-10.00	1.00 V	308	86.60	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 10MHz

Mode	TX channel 20000, 20175, 20350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	14.30	30.00	-15.70	2.21 H	61	81.10	-66.80
2	1732.50	14.60	30.00	-15.40	2.23 H	60	81.40	-66.80
3	1750.00	14.50	30.00	-15.50	2.25 H	61	81.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.40	30.00	-9.60	1.03 V	307	87.20	-66.80
2	1732.50	20.10	30.00	-9.90	1.01 V	306	86.90	-66.80
3	1750.00	20.70	30.00	-9.30	1.00 V	313	87.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 15MHz

Mode	TX channel 20025, 20175, 20325							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	14.80	30.00	-15.20	2.23 H	64	81.60	-66.80
2	1732.50	15.00	30.00	-15.00	2.25 H	65	81.80	-66.80
3	1747.50	14.80	30.00	-15.20	2.23 H	66	81.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.50	30.00	-9.50	1.00 V	311	87.30	-66.80
2	1732.50	20.50	30.00	-9.50	1.06 V	307	87.30	-66.80
3	1747.50	20.10	30.00	-9.90	1.06 V	311	86.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050, 20175, 20300							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	14.70	30.00	-15.30	2.26 H	67	81.50	-66.80
2	1732.50	15.10	30.00	-14.90	2.24 H	60	81.90	-66.80
3	1745.00	14.50	30.00	-15.50	2.17 H	65	81.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.90	30.00	-10.10	1.05 V	310	86.70	-66.80
2	1732.50	20.70	30.00	-9.30	1.06 V	308	87.50	-66.80
3	1745.00	20.80	30.00	-9.20	1.00 V	306	87.40	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957, 20175, 20393							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	13.70	30.00	-16.30	2.17 H	66	80.50	-66.80
2	1732.50	14.40	30.00	-15.60	2.18 H	63	81.20	-66.80
3	1754.30	14.30	30.00	-15.70	2.23 H	60	80.90	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	20.10	30.00	-9.90	1.00 V	309	86.90	-66.80
2	1732.50	19.10	30.00	-10.90	1.05 V	308	85.90	-66.80
3	1754.30	19.90	30.00	-10.10	1.04 V	312	86.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 3MHz

Mode	TX channel 19965, 20175, 20385							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	14.60	30.00	-15.40	2.24 H	62	81.40	-66.80
2	1732.50	14.20	30.00	-15.80	2.20 H	62	81.00	-66.80
3	1753.50	14.30	30.00	-15.70	2.22 H	64	80.90	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.40	30.00	-9.60	1.00 V	307	87.20	-66.80
2	1732.50	19.40	30.00	-10.60	1.00 V	312	86.20	-66.80
3	1753.50	20.10	30.00	-9.90	1.05 V	310	86.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975, 20175, 20375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	14.20	30.00	-15.80	2.26 H	62	81.00	-66.80
2	1732.50	14.50	30.00	-15.50	2.24 H	64	81.30	-66.80
3	1752.50	13.70	30.00	-16.30	2.27 H	67	80.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.80	30.00	-10.20	1.00 V	313	86.60	-66.80
2	1732.50	19.40	30.00	-10.60	1.00 V	307	86.20	-66.80
3	1752.50	19.60	30.00	-10.40	1.00 V	308	86.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 10MHz

Mode	TX channel 20000, 20175, 20350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	13.80	30.00	-16.20	2.23 H	65	80.60	-66.80
2	1732.50	14.00	30.00	-16.00	2.17 H	61	80.80	-66.80
3	1750.00	13.90	30.00	-16.10	2.17 H	63	80.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.00	30.00	-10.00	1.04 V	308	86.80	-66.80
2	1732.50	19.50	30.00	-10.50	1.04 V	311	86.30	-66.80
3	1750.00	20.30	30.00	-9.70	1.02 V	307	86.90	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 15MHz

Mode	TX channel 20025, 20175, 20325							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	14.40	30.00	-15.60	2.18 H	67	81.20	-66.80
2	1732.50	14.40	30.00	-15.60	2.27 H	67	81.20	-66.80
3	1747.50	14.30	30.00	-15.70	2.24 H	66	80.90	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.00	30.00	-10.00	1.01 V	313	86.80	-66.80
2	1732.50	20.10	30.00	-9.90	1.04 V	313	86.90	-66.80
3	1747.50	19.50	30.00	-10.50	1.00 V	311	86.10	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050, 20175, 20300							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	14.10	30.00	-15.90	2.23 H	64	80.90	-66.80
2	1732.50	14.70	30.00	-15.30	2.18 H	63	81.50	-66.80
3	1745.00	14.00	30.00	-16.00	2.22 H	65	80.60	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.40	30.00	-10.60	1.02 V	311	86.20	-66.80
2	1732.50	20.10	30.00	-9.90	1.03 V	313	86.90	-66.80
3	1745.00	20.20	30.00	-9.80	1.05 V	309	86.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 4, Channel Bandwidth 1.4MHz

Mode	TX channel 19957, 20175, 20393							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	12.30	30.00	-17.70	2.18 H	62	79.10	-66.80
2	1732.50	12.80	30.00	-17.20	2.21 H	65	79.60	-66.80
3	1754.30	12.80	30.00	-17.20	2.18 H	60	79.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.50	30.00	-11.50	1.02 V	310	85.30	-66.80
2	1732.50	17.60	30.00	-12.40	1.01 V	313	84.40	-66.80
3	1754.30	18.30	30.00	-11.70	1.04 V	307	84.90	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 3MHz

Mode	TX channel 19965, 20175, 20385							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	13.20	30.00	-16.80	2.26 H	63	80.00	-66.80
2	1732.50	12.80	30.00	-17.20	2.25 H	60	79.60	-66.80
3	1753.50	12.90	30.00	-17.10	2.21 H	66	79.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.00	30.00	-11.00	1.00 V	312	85.80	-66.80
2	1732.50	17.90	30.00	-12.10	1.00 V	306	84.70	-66.80
3	1753.50	18.60	30.00	-11.40	1.06 V	309	85.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 5MHz

Mode	TX channel 19975, 20175, 20375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	12.80	30.00	-17.20	2.24 H	67	79.60	-66.80
2	1732.50	13.10	30.00	-16.90	2.27 H	63	79.90	-66.80
3	1752.50	12.10	30.00	-17.90	2.25 H	62	78.70	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.40	30.00	-11.60	1.02 V	310	85.20	-66.80
2	1732.50	17.80	30.00	-12.20	1.05 V	312	84.60	-66.80
3	1752.50	18.10	30.00	-11.90	1.01 V	310	84.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 10MHz

Mode	TX channel 20000, 20175, 20350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	12.40	30.00	-17.60	2.21 H	61	79.20	-66.80
2	1732.50	12.40	30.00	-17.60	2.23 H	67	79.20	-66.80
3	1750.00	12.50	30.00	-17.50	2.24 H	63	79.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.40	30.00	-11.60	1.00 V	311	85.20	-66.80
2	1732.50	18.10	30.00	-11.90	1.00 V	310	84.90	-66.80
3	1750.00	18.90	30.00	-11.10	1.06 V	306	85.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 15MHz

Mode	TX channel 20025, 20175, 20325							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	12.90	30.00	-17.10	2.21 H	67	79.70	-66.80
2	1732.50	12.90	30.00	-17.10	2.21 H	65	79.70	-66.80
3	1747.50	12.70	30.00	-17.30	2.25 H	64	79.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.40	30.00	-11.60	1.03 V	308	85.20	-66.80
2	1732.50	18.70	30.00	-11.30	1.04 V	311	85.50	-66.80
3	1747.50	18.00	30.00	-12.00	1.05 V	311	84.60	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 4, Channel Bandwidth 20MHz

Mode	TX channel 20050, 20175, 20300							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	12.70	30.00	-17.30	2.20 H	63	79.50	-66.80
2	1732.50	13.10	30.00	-16.90	2.20 H	60	79.90	-66.80
3	1745.00	12.40	30.00	-17.60	2.26 H	62	79.00	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.00	30.00	-12.00	1.05 V	308	84.80	-66.80
2	1732.50	18.50	30.00	-11.50	1.05 V	308	85.30	-66.80
3	1745.00	18.70	30.00	-11.30	1.00 V	308	85.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	16.30	33.00	-16.70	1.20 H	63	80.50	-64.20
2	2535.00	16.70	33.00	-16.30	1.20 H	56	80.80	-64.10
3	2567.50	16.30	33.00	-16.70	1.15 H	61	80.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	20.80	33.00	-12.20	1.82 V	103	85.00	-64.20
2	2535.00	20.90	33.00	-12.10	1.77 V	96	85.00	-64.10
3	2567.50	20.80	33.00	-12.20	1.80 V	100	84.70	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	16.50	33.00	-16.50	1.34 H	174	80.70	-64.20
2	2535.00	16.70	33.00	-16.30	1.25 H	175	80.80	-64.10
3	2565.00	16.80	33.00	-16.20	1.30 H	174	80.70	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	20.90	33.00	-12.10	1.79 V	98	85.10	-64.20
2	2535.00	20.80	33.00	-12.20	1.79 V	101	84.90	-64.10
3	2565.00	20.80	33.00	-12.20	1.73 V	96	84.70	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	16.80	33.00	-16.20	1.32 H	173	81.00	-64.20
2	2535.00	16.80	33.00	-16.20	1.26 H	173	80.90	-64.10
3	2562.50	16.90	33.00	-16.10	1.35 H	178	80.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	20.90	33.00	-12.10	1.72 V	99	85.10	-64.20
2	2535.00	20.80	33.00	-12.20	1.77 V	97	84.90	-64.10
3	2562.50	20.90	33.00	-12.10	1.76 V	100	84.80	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	16.90	33.00	-16.10	1.25 H	179	81.00	-64.10
2	2535.00	17.20	33.00	-15.80	1.28 H	178	81.30	-64.10
3	2560.00	16.50	33.00	-16.50	1.30 H	179	80.40	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	20.80	33.00	-12.20	1.77 V	101	84.90	-64.10
2	2535.00	20.80	33.00	-12.20	1.78 V	102	84.90	-64.10
3	2560.00	20.90	33.00	-12.10	1.79 V	101	84.80	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	15.40	33.00	-17.60	1.34 H	173	79.60	-64.20
2	2535.00	15.80	33.00	-17.20	1.27 H	176	79.90	-64.10
3	2567.50	15.30	33.00	-17.70	1.30 H	177	79.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	18.90	33.00	-14.10	1.78 V	97	83.10	-64.20
2	2535.00	18.60	33.00	-14.40	1.76 V	103	82.70	-64.10
3	2567.50	19.30	33.00	-13.70	1.76 V	103	83.20	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	15.70	33.00	-17.30	1.30 H	176	79.90	-64.20
2	2535.00	15.70	33.00	-17.30	1.27 H	176	79.80	-64.10
3	2565.00	16.00	33.00	-17.00	1.28 H	179	79.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	19.40	33.00	-13.60	1.75 V	101	83.60	-64.20
2	2535.00	19.30	33.00	-13.70	1.76 V	99	83.40	-64.10
3	2565.00	19.10	33.00	-13.90	1.81 V	103	83.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	15.70	33.00	-17.30	1.34 H	174	79.90	-64.20
2	2535.00	15.60	33.00	-17.40	1.31 H	175	79.70	-64.10
3	2562.50	15.70	33.00	-17.30	1.33 H	174	79.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	19.50	33.00	-13.50	1.75 V	96	83.70	-64.20
2	2535.00	18.70	33.00	-14.30	1.78 V	100	82.80	-64.10
3	2562.50	18.80	33.00	-14.20	1.74 V	98	82.70	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	16.10	33.00	-16.90	1.30 H	177	80.20	-64.10
2	2535.00	16.40	33.00	-16.60	1.29 H	176	80.50	-64.10
3	2560.00	15.60	33.00	-17.40	1.34 H	173	79.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	19.00	33.00	-14.00	1.78 V	103	83.10	-64.10
2	2535.00	19.60	33.00	-13.40	1.80 V	96	83.70	-64.10
3	2560.00	19.00	33.00	-14.00	1.72 V	97	82.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	14.90	33.00	-18.10	1.26 H	174	79.10	-64.20
2	2535.00	15.40	33.00	-17.60	1.33 H	178	79.50	-64.10
3	2567.50	14.90	33.00	-18.10	1.33 H	175	78.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	18.50	33.00	-14.50	1.80 V	96	82.70	-64.20
2	2535.00	18.20	33.00	-14.80	1.73 V	102	82.30	-64.10
3	2567.50	18.70	33.00	-14.30	1.74 V	100	82.60	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	15.10	33.00	-17.90	1.30 H	175	79.30	-64.20
2	2535.00	15.10	33.00	-17.90	1.32 H	177	79.20	-64.10
3	2565.00	15.40	33.00	-17.60	1.28 H	178	79.30	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	18.80	33.00	-14.20	1.79 V	97	83.00	-64.20
2	2535.00	18.80	33.00	-14.20	1.77 V	98	82.90	-64.10
3	2565.00	18.60	33.00	-14.40	1.79 V	102	82.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	15.20	33.00	-17.80	1.32 H	175	79.40	-64.20
2	2535.00	15.10	33.00	-17.90	1.35 H	173	79.20	-64.10
3	2562.50	15.30	33.00	-17.70	1.32 H	174	79.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	19.00	33.00	-14.00	1.73 V	96	83.20	-64.20
2	2535.00	18.10	33.00	-14.90	1.77 V	103	82.20	-64.10
3	2562.50	18.20	33.00	-14.80	1.82 V	99	82.10	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	15.60	33.00	-17.40	1.34 H	177	79.70	-64.10
2	2535.00	15.80	33.00	-17.20	1.27 H	174	79.90	-64.10
3	2560.00	15.20	33.00	-17.80	1.30 H	174	79.10	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	18.60	33.00	-14.40	1.75 V	98	82.70	-64.10
2	2535.00	19.00	33.00	-14.00	1.81 V	96	83.10	-64.10
3	2560.00	18.40	33.00	-14.60	1.75 V	100	82.30	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	13.30	33.00	-19.70	1.35 H	179	77.50	-64.20
2	2535.00	13.80	33.00	-19.20	1.25 H	177	77.90	-64.10
3	2567.50	13.30	33.00	-19.70	1.27 H	174	77.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	17.10	33.00	-15.90	1.82 V	99	81.30	-64.20
2	2535.00	16.60	33.00	-16.40	1.77 V	99	80.70	-64.10
3	2567.50	17.20	33.00	-15.80	1.80 V	100	81.10	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	13.70	33.00	-19.30	1.27 H	176	77.90	-64.20
2	2535.00	13.50	33.00	-19.50	1.31 H	172	77.60	-64.10
3	2565.00	13.90	33.00	-19.10	1.34 H	178	77.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	17.30	33.00	-15.70	1.81 V	102	81.50	-64.20
2	2535.00	17.30	33.00	-15.70	1.74 V	103	81.40	-64.10
3	2565.00	17.00	33.00	-16.00	1.79 V	97	80.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	13.70	33.00	-19.30	1.27 H	172	77.90	-64.20
2	2535.00	13.70	33.00	-19.30	1.31 H	173	77.80	-64.10
3	2562.50	13.80	33.00	-19.20	1.32 H	177	77.70	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	17.60	33.00	-15.40	1.74 V	97	81.80	-64.20
2	2535.00	16.70	33.00	-16.30	1.80 V	100	80.80	-64.10
3	2562.50	16.60	33.00	-16.40	1.76 V	99	80.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	14.00	33.00	-19.00	1.33 H	177	78.10	-64.10
2	2535.00	14.30	33.00	-18.70	1.27 H	178	78.40	-64.10
3	2560.00	13.60	33.00	-19.40	1.26 H	173	77.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	17.00	33.00	-16.00	1.77 V	96	81.10	-64.10
2	2535.00	17.60	33.00	-15.40	1.77 V	98	81.70	-64.10
3	2560.00	17.00	33.00	-16.00	1.78 V	98	80.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	15.20	34.80	-19.60	1.04 H	279	82.90	-67.70
2	707.50	16.00	34.80	-18.80	1.04 H	275	83.60	-67.60
3	715.30	15.70	34.80	-19.10	1.02 H	273	83.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	18.40	34.80	-16.40	1.23 V	179	86.10	-67.70
2	707.50	18.70	34.80	-16.10	1.20 V	179	86.30	-67.60
3	715.30	18.50	34.80	-16.30	1.23 V	172	86.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	15.30	34.80	-19.50	1.04 H	277	83.00	-67.70
2	707.50	15.30	34.80	-19.50	1.08 H	280	82.90	-67.60
3	714.50	16.00	34.80	-18.80	1.06 H	278	83.50	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	18.50	34.80	-16.30	1.20 V	177	86.20	-67.70
2	707.50	18.40	34.80	-16.40	1.19 V	176	86.00	-67.60
3	714.50	18.70	34.80	-16.10	1.17 V	173	86.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	15.80	34.80	-19.00	1.09 H	278	83.50	-67.70
2	707.50	15.70	34.80	-19.10	1.05 H	273	83.30	-67.60
3	713.50	15.50	34.80	-19.30	1.05 H	277	83.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	18.50	34.80	-16.30	1.21 V	175	86.20	-67.70
2	707.50	18.60	34.80	-16.20	1.16 V	174	86.20	-67.60
3	713.50	18.50	34.80	-16.30	1.17 V	176	86.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	15.20	34.80	-19.60	1.05 H	279	82.90	-67.70
2	707.50	16.30	34.80	-18.50	1.01 H	274	83.90	-67.60
3	711.00	16.30	34.80	-18.50	1.10 H	274	83.80	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	18.40	34.80	-16.40	1.25 V	174	86.10	-67.70
2	707.50	18.90	34.80	-15.90	1.18 V	174	86.50	-67.60
3	711.00	18.50	34.80	-16.30	1.18 V	179	86.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 16QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	14.30	34.80	-20.50	1.10 H	274	82.00	-67.70
2	707.50	15.00	34.80	-19.80	1.05 H	279	82.60	-67.60
3	715.30	14.50	34.80	-20.30	1.07 H	276	82.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	17.00	34.80	-17.80	1.25 V	172	84.70	-67.70
2	707.50	16.90	34.80	-17.90	1.25 V	175	84.50	-67.60
3	715.30	17.30	34.80	-17.50	1.24 V	175	84.80	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	14.40	34.80	-20.40	1.06 H	276	82.10	-67.70
2	707.50	14.50	34.80	-20.30	1.03 H	275	82.10	-67.60
3	714.50	15.00	34.80	-19.80	1.02 H	278	82.50	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	17.80	34.80	-17.00	1.19 V	173	85.50	-67.70
2	707.50	17.40	34.80	-17.40	1.18 V	177	85.00	-67.60
3	714.50	18.00	34.80	-16.80	1.22 V	179	85.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	14.90	34.80	-19.90	1.02 H	280	82.60	-67.70
2	707.50	14.60	34.80	-20.20	1.09 H	279	82.20	-67.60
3	713.50	14.70	34.80	-20.10	1.01 H	280	82.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	17.50	34.80	-17.30	1.22 V	172	85.20	-67.70
2	707.50	17.80	34.80	-17.00	1.22 V	173	85.40	-67.60
3	713.50	17.50	34.80	-17.30	1.22 V	173	85.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	14.00	34.80	-20.80	1.07 H	275	81.70	-67.70
2	707.50	15.20	34.80	-19.60	1.10 H	279	82.80	-67.60
3	711.00	15.20	34.80	-19.60	1.00 H	274	82.70	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	17.50	34.80	-17.30	1.25 V	173	85.20	-67.70
2	707.50	18.00	34.80	-16.80	1.23 V	179	85.60	-67.60
3	711.00	17.30	34.80	-17.50	1.15 V	178	84.80	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 64QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	13.80	34.80	-21.00	1.04 H	278	81.50	-67.70
2	707.50	14.40	34.80	-20.40	1.06 H	279	82.00	-67.60
3	715.30	14.20	34.80	-20.60	1.09 H	276	81.70	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	16.50	34.80	-18.30	1.21 V	175	84.20	-67.70
2	707.50	16.50	34.80	-18.30	1.18 V	172	84.10	-67.60
3	715.30	16.70	34.80	-18.10	1.20 V	178	84.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	14.00	34.80	-20.80	1.10 H	275	81.70	-67.70
2	707.50	14.00	34.80	-20.80	1.09 H	274	81.60	-67.60
3	714.50	14.50	34.80	-20.30	1.05 H	280	82.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	17.30	34.80	-17.50	1.21 V	177	85.00	-67.70
2	707.50	16.90	34.80	-17.90	1.20 V	178	84.50	-67.60
3	714.50	17.50	34.80	-17.30	1.17 V	176	85.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	14.50	34.80	-20.30	1.04 H	279	82.20	-67.70
2	707.50	14.10	34.80	-20.70	1.04 H	278	81.70	-67.60
3	713.50	14.30	34.80	-20.50	1.10 H	277	81.80	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	17.00	34.80	-17.80	1.16 V	178	84.70	-67.70
2	707.50	17.40	34.80	-17.40	1.15 V	175	85.00	-67.60
3	713.50	16.70	34.80	-18.10	1.19 V	172	84.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	13.50	34.80	-21.30	1.07 H	276	81.20	-67.70
2	707.50	14.60	34.80	-20.20	1.04 H	279	82.20	-67.60
3	711.00	14.70	34.80	-20.10	1.10 H	277	82.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	17.20	34.80	-17.60	1.19 V	176	84.90	-67.70
2	707.50	17.60	34.80	-17.20	1.18 V	172	85.20	-67.60
3	711.00	16.70	34.80	-18.10	1.21 V	179	84.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 256QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	12.30	34.80	-22.50	1.08 H	273	80.00	-67.70
2	707.50	12.90	34.80	-21.90	1.09 H	273	80.50	-67.60
3	715.30	12.70	34.80	-22.10	1.04 H	279	80.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	14.90	34.80	-19.90	1.22 V	179	82.60	-67.70
2	707.50	15.00	34.80	-19.80	1.20 V	173	82.60	-67.60
3	715.30	15.30	34.80	-19.50	1.15 V	175	82.80	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	12.40	34.80	-22.40	1.01 H	279	80.10	-67.70
2	707.50	12.40	34.80	-22.40	1.01 H	273	80.00	-67.60
3	714.50	13.00	34.80	-21.80	1.03 H	278	80.50	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	15.90	34.80	-18.90	1.16 V	178	83.60	-67.70
2	707.50	15.50	34.80	-19.30	1.21 V	178	83.10	-67.60
3	714.50	15.70	34.80	-19.10	1.24 V	172	83.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	13.10	34.80	-21.70	1.02 H	273	80.80	-67.70
2	707.50	12.50	34.80	-22.30	1.07 H	277	80.10	-67.60
3	713.50	13.00	34.80	-21.80	1.05 H	279	80.50	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	15.50	34.80	-19.30	1.23 V	173	83.20	-67.70
2	707.50	15.80	34.80	-19.00	1.20 V	177	83.40	-67.60
3	713.50	15.20	34.80	-19.60	1.24 V	174	82.70	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	12.10	34.80	-22.70	1.10 H	279	79.80	-67.70
2	707.50	13.10	34.80	-21.70	1.01 H	274	80.70	-67.60
3	711.00	13.30	34.80	-21.50	1.01 H	274	80.80	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	15.80	34.80	-19.00	1.19 V	172	83.50	-67.70
2	707.50	16.00	34.80	-18.80	1.24 V	179	83.60	-67.60
3	711.00	15.20	34.80	-19.60	1.17 V	174	82.70	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: QPSK

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205, 23230, 23255							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	16.20	34.80	-18.60	1.52 H	61	82.20	-66.00
2	782.00	16.40	34.80	-18.40	1.57 H	56	82.30	-65.90
3	784.50	16.20	34.80	-18.60	1.52 H	60	82.10	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	18.50	34.80	-16.30	1.08 V	29	84.50	-66.00
2	782.00	18.40	34.80	-16.40	1.02 V	33	84.30	-65.90
3	784.50	18.40	34.80	-16.40	1.04 V	32	84.30	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	16.70	34.80	-18.10	1.50 H	54	82.60	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	18.70	34.80	-16.10	1.08 V	26	84.60	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 16QAM

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205, 23230, 23255							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	15.50	34.80	-19.30	1.50 H	59	81.50	-66.00
2	782.00	15.40	34.80	-19.40	1.56 H	58	81.30	-65.90
3	784.50	15.00	34.80	-19.80	1.59 H	59	80.90	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	17.90	34.80	-16.90	1.00 V	26	83.90	-66.00
2	782.00	16.80	34.80	-18.00	1.09 V	31	82.70	-65.90
3	784.50	17.30	34.80	-17.50	1.09 V	32	83.20	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	15.60	34.80	-19.20	1.50 H	54	81.50	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	17.70	34.80	-17.10	1.06 V	31	83.60	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 64QAM

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205, 23230, 23255							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	15.00	34.80	-19.80	1.51 H	56	81.00	-66.00
2	782.00	14.80	34.80	-20.00	1.56 H	54	80.70	-65.90
3	784.50	14.60	34.80	-20.20	1.59 H	58	80.50	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	17.00	34.80	-17.80	1.01 V	30	83.00	-66.00
2	782.00	16.30	34.80	-18.50	1.02 V	26	82.20	-65.90
3	784.50	16.80	34.80	-18.00	1.10 V	33	82.70	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	15.00	34.80	-19.80	1.58 H	56	80.90	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	17.30	34.80	-17.50	1.05 V	26	83.20	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 256QAM

LTE Band 13, Channel Bandwidth 5MHz

Mode	TX channel 23205, 23230, 23255							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	13.50	34.80	-21.30	1.52 H	56	79.50	-66.00
2	782.00	13.40	34.80	-21.40	1.56 H	54	79.30	-65.90
3	784.50	13.10	34.80	-21.70	1.54 H	59	79.00	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	779.50	15.50	34.80	-19.30	1.09 V	29	81.50	-66.00
2	782.00	14.80	34.80	-20.00	1.03 V	27	80.70	-65.90
3	784.50	15.20	34.80	-19.60	1.09 V	26	81.10	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 13, Channel Bandwidth 10MHz

Mode	TX channel 23230							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	13.40	34.80	-21.40	1.51 H	61	79.30	-65.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	782.00	15.80	34.80	-19.00	1.03 V	30	81.70	-65.90

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: QPSK

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755, 23790, 23825							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	16.30	34.80	-18.50	1.07 H	284	83.90	-67.60
2	710.00	16.40	34.80	-18.40	1.07 H	280	84.00	-67.60
3	713.50	16.00	34.80	-18.80	1.04 H	284	83.50	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	18.30	34.80	-16.50	1.20 V	179	85.90	-67.60
2	710.00	18.30	34.80	-16.50	1.26 V	176	85.90	-67.60
3	713.50	18.70	34.80	-16.10	1.22 V	178	86.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780, 23790, 23800							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	15.90	34.80	-18.90	1.09 H	282	83.50	-67.60
2	710.00	16.80	34.80	-18.00	1.08 H	278	84.40	-67.60
3	711.00	16.70	34.80	-18.10	1.06 H	281	84.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	18.50	34.80	-16.30	1.28 V	178	86.10	-67.60
2	710.00	18.80	34.80	-16.00	1.22 V	177	86.40	-67.60
3	711.00	18.70	34.80	-16.10	1.18 V	178	86.20	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 16QAM

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755, 23790, 23825							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	15.10	34.80	-19.70	1.03 H	278	82.70	-67.60
2	710.00	15.40	34.80	-19.40	1.04 H	279	83.00	-67.60
3	713.50	14.70	34.80	-20.10	1.08 H	279	82.20	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	16.90	34.80	-17.90	1.18 V	176	84.50	-67.60
2	710.00	16.80	34.80	-18.00	1.25 V	180	84.40	-67.60
3	713.50	17.60	34.80	-17.20	1.20 V	179	85.10	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780, 23790, 23800							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	14.70	34.80	-20.10	1.02 H	285	82.30	-67.60
2	710.00	16.00	34.80	-18.80	1.06 H	285	83.60	-67.60
3	711.00	15.50	34.80	-19.30	1.07 H	280	83.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	17.60	34.80	-17.20	1.18 V	179	85.20	-67.60
2	710.00	17.80	34.80	-17.00	1.24 V	176	85.40	-67.60
3	711.00	17.50	34.80	-17.30	1.23 V	177	85.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 64QAM

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755, 23790, 23825							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	14.50	34.80	-20.30	1.01 H	282	82.10	-67.60
2	710.00	15.00	34.80	-19.80	1.00 H	278	82.60	-67.60
3	713.50	14.20	34.80	-20.60	1.01 H	281	81.70	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	16.50	34.80	-18.30	1.22 V	179	84.10	-67.60
2	710.00	16.30	34.80	-18.50	1.21 V	176	83.90	-67.60
3	713.50	17.00	34.80	-17.80	1.23 V	177	84.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780, 23790, 23800							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	14.30	34.80	-20.50	1.07 H	281	81.90	-67.60
2	710.00	15.60	34.80	-19.20	1.02 H	278	83.20	-67.60
3	711.00	15.00	34.80	-19.80	1.07 H	283	82.50	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	17.00	34.80	-17.80	1.25 V	173	84.60	-67.60
2	710.00	17.20	34.80	-17.60	1.21 V	180	84.80	-67.60
3	711.00	17.00	34.80	-17.80	1.26 V	177	84.50	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 256QAM

LTE Band 17, Channel Bandwidth 5MHz

Mode	TX channel 23755, 23790, 23825							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	12.90	34.80	-21.90	1.09 H	281	80.50	-67.60
2	710.00	13.40	34.80	-21.40	1.04 H	281	81.00	-67.60
3	713.50	12.50	34.80	-22.30	1.07 H	285	80.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	706.50	15.10	34.80	-19.70	1.25 V	178	82.70	-67.60
2	710.00	14.80	34.80	-20.00	1.22 V	176	82.40	-67.60
3	713.50	15.50	34.80	-19.30	1.19 V	173	83.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 17, Channel Bandwidth 10MHz

Mode	TX channel 23780, 23790, 23800							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	12.80	34.80	-22.00	1.04 H	284	80.40	-67.60
2	710.00	14.20	34.80	-20.60	1.06 H	278	81.80	-67.60
3	711.00	13.50	34.80	-21.30	1.07 H	280	81.00	-67.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	709.00	15.40	34.80	-19.40	1.21 V	177	83.00	-67.60
2	710.00	15.80	34.80	-19.00	1.19 V	173	83.40	-67.60
3	711.00	15.50	34.80	-19.30	1.19 V	178	83.00	-67.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: QPSK

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685, 27710, 27735							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	19.70	23.90	-4.20	1.03 H	10	83.60	-63.90
2	2310.00	19.90	23.90	-4.00	1.11 H	9	83.80	-63.90
3	2312.50	19.70	23.90	-4.20	2.08 H	5	83.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	12.00	23.90	-11.90	3.06 V	227	75.90	-63.90
2	2310.00	12.30	23.90	-11.60	3.02 V	221	76.20	-63.90
3	2312.50	12.20	23.90	-11.70	3.02 V	225	76.10	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	19.80	23.90	-4.10	1.10 H	11	83.70	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	12.50	23.90	-11.40	3.01 V	225	76.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685, 27710, 27735							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	18.70	23.90	-5.20	1.03 H	10	82.60	-63.90
2	2310.00	18.90	23.90	-5.00	1.11 H	9	82.80	-63.90
3	2312.50	18.70	23.90	-5.20	2.08 H	5	82.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	10.90	23.90	-13.00	3.07 V	221	74.80	-63.90
2	2310.00	11.10	23.90	-12.80	3.06 V	222	75.00	-63.90
3	2312.50	11.20	23.90	-12.70	3.05 V	221	75.10	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	18.80	23.90	-5.10	1.10 H	11	82.70	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	11.70	23.90	-12.20	2.98 V	228	75.60	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685, 27710, 27735							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	17.70	23.90	-6.20	1.03 H	10	81.60	-63.90
2	2310.00	17.90	23.90	-6.00	1.11 H	9	81.80	-63.90
3	2312.50	17.70	23.90	-6.20	2.08 H	5	81.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	10.50	23.90	-13.40	2.99 V	223	74.40	-63.90
2	2310.00	10.50	23.90	-13.40	3.06 V	225	74.40	-63.90
3	2312.50	10.80	23.90	-13.10	3.00 V	224	74.70	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	18.00	23.90	-5.90	1.10 H	11	81.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	11.10	23.90	-12.80	2.97 V	228	75.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 30, Channel Bandwidth 5MHz

Mode	TX channel 27685, 27710, 27735							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	16.70	23.90	-7.20	1.03 H	10	80.60	-63.90
2	2310.00	16.90	23.90	-7.00	1.11 H	9	80.80	-63.90
3	2312.50	16.70	23.90	-7.20	2.08 H	5	80.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2307.50	9.10	23.90	-14.80	3.07 V	221	73.00	-63.90
2	2310.00	8.90	23.90	-15.00	2.97 V	228	72.80	-63.90
3	2312.50	9.30	23.90	-14.60	3.03 V	227	73.20	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 30, Channel Bandwidth 10MHz

Mode	TX channel 27710							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	18.00	23.90	-5.90	1.10 H	11	81.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2310.00	9.50	23.90	-14.40	3.01 V	222	73.40	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775, 38000, 38225							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	20.70	33.00	-12.30	1.68 H	9	84.60	-63.90
2	2595.00	20.90	33.00	-12.10	1.65 H	7	84.80	-63.90
3	2617.50	20.70	33.00	-12.30	1.71 H	9	84.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	16.70	33.00	-16.30	1.29 V	281	80.60	-63.90
2	2595.00	17.10	33.00	-15.90	1.39 V	283	81.00	-63.90
3	2617.50	16.90	33.00	-16.10	1.30 V	284	80.80	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 10MHz

Mode	TX channel 37800, 38000, 38200							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	20.70	33.00	-12.30	1.65 H	12	84.60	-63.90
2	2595.00	20.70	33.00	-12.30	1.66 H	10	84.60	-63.90
3	2615.00	20.80	33.00	-12.20	1.69 H	12	84.70	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	16.50	33.00	-16.50	1.32 V	282	80.40	-63.90
2	2595.00	16.70	33.00	-16.30	1.34 V	281	80.60	-63.90
3	2615.00	16.80	33.00	-16.20	1.34 V	284	80.70	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 15MHz

Mode	TX channel 37825, 38000, 38175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	20.80	33.00	-12.20	1.69 H	6	84.70	-63.90
2	2595.00	20.80	33.00	-12.20	1.74 H	6	84.70	-63.90
3	2612.50	20.90	33.00	-12.10	1.67 H	5	84.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	16.50	33.00	-16.50	1.33 V	285	80.40	-63.90
2	2595.00	16.50	33.00	-16.50	1.35 V	286	80.40	-63.90
3	2612.50	16.60	33.00	-16.40	1.32 V	285	80.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850, 38000, 38150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	20.80	33.00	-12.20	1.72 H	6	84.70	-63.90
2	2595.00	20.80	33.00	-12.20	1.73 H	10	84.70	-63.90
3	2610.00	21.00	33.00	-12.00	1.73 H	5	84.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	17.20	33.00	-15.80	1.37 V	287	81.10	-63.90
2	2595.00	17.40	33.00	-15.60	1.33 V	287	81.30	-63.90
3	2610.00	16.90	33.00	-16.10	1.29 V	283	80.80	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775, 38000, 38225							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	20.70	33.00	-12.30	1.68 H	9	84.60	-63.90
2	2595.00	20.90	33.00	-12.10	1.65 H	7	84.80	-63.90
3	2617.50	20.70	33.00	-12.30	1.71 H	9	84.60	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	15.70	33.00	-17.30	1.37 V	285	79.60	-63.90
2	2595.00	16.00	33.00	-17.00	1.33 V	287	79.90	-63.90
3	2617.50	16.00	33.00	-17.00	1.30 V	287	79.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 10MHz

Mode	TX channel 37800, 38000, 38200							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	19.70	33.00	-13.30	1.65 H	12	83.60	-63.90
2	2595.00	19.70	33.00	-13.30	1.66 H	10	83.60	-63.90
3	2615.00	19.80	33.00	-13.20	1.69 H	12	83.70	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	15.40	33.00	-17.60	1.39 V	282	79.30	-63.90
2	2595.00	15.50	33.00	-17.50	1.31 V	284	79.40	-63.90
3	2615.00	15.70	33.00	-17.30	1.33 V	287	79.60	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 15MHz

Mode	TX channel 37825, 38000, 38175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	19.80	33.00	-13.20	1.69 H	6	83.70	-63.90
2	2595.00	19.80	33.00	-13.20	1.74 H	6	83.70	-63.90
3	2612.50	19.90	33.00	-13.10	1.67 H	5	83.80	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	15.40	33.00	-17.60	1.29 V	285	79.30	-63.90
2	2595.00	15.50	33.00	-17.50	1.36 V	283	79.40	-63.90
3	2612.50	15.60	33.00	-17.40	1.33 V	283	79.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850, 38000, 38150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	19.80	33.00	-13.20	1.72 H	6	83.70	-63.90
2	2595.00	19.80	33.00	-13.20	1.73 H	10	83.70	-63.90
3	2610.00	20.00	33.00	-13.00	1.73 H	5	83.90	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	16.20	33.00	-16.80	1.31 V	282	80.10	-63.90
2	2595.00	16.50	33.00	-16.50	1.29 V	288	80.40	-63.90
3	2610.00	16.10	33.00	-16.90	1.31 V	286	80.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775, 38000, 38225							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	20.00	33.00	-13.00	1.68 H	9	83.90	-63.90
2	2595.00	20.20	33.00	-12.80	1.65 H	7	84.10	-63.90
3	2617.50	20.10	33.00	-12.90	1.71 H	9	84.00	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	15.30	33.00	-17.70	1.36 V	286	79.20	-63.90
2	2595.00	15.40	33.00	-17.60	1.37 V	282	79.30	-63.90
3	2617.50	15.60	33.00	-17.40	1.33 V	282	79.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 10MHz

Mode	TX channel 37800, 38000, 38200							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	19.00	33.00	-14.00	1.65 H	12	82.90	-63.90
2	2595.00	19.10	33.00	-13.90	1.66 H	10	83.00	-63.90
3	2615.00	19.20	33.00	-13.80	1.69 H	12	83.10	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	15.00	33.00	-18.00	1.35 V	288	78.90	-63.90
2	2595.00	15.10	33.00	-17.90	1.32 V	286	79.00	-63.90
3	2615.00	15.10	33.00	-17.90	1.29 V	282	79.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 15MHz

Mode	TX channel 37825, 38000, 38175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	18.80	33.00	-14.20	1.69 H	6	82.70	-63.90
2	2595.00	19.00	33.00	-14.00	1.74 H	6	82.90	-63.90
3	2612.50	19.30	33.00	-13.70	1.67 H	5	83.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	14.90	33.00	-18.10	1.37 V	282	78.80	-63.90
2	2595.00	14.90	33.00	-18.10	1.34 V	287	78.80	-63.90
3	2612.50	15.10	33.00	-17.90	1.30 V	282	79.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850, 38000, 38150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	19.20	33.00	-13.80	1.72 H	6	83.10	-63.90
2	2595.00	19.10	33.00	-13.90	1.73 H	10	83.00	-63.90
3	2610.00	19.60	33.00	-13.40	1.73 H	5	83.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	15.60	33.00	-17.40	1.31 V	287	79.50	-63.90
2	2595.00	16.00	33.00	-17.00	1.31 V	285	79.90	-63.90
3	2610.00	15.60	33.00	-17.40	1.32 V	281	79.50	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 38, Channel Bandwidth 5MHz

Mode	TX channel 37775, 38000, 38225							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	19.00	33.00	-14.00	1.68 H	9	82.90	-63.90
2	2595.00	19.20	33.00	-13.80	1.65 H	7	83.10	-63.90
3	2617.50	19.10	33.00	-13.90	1.71 H	9	83.00	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2572.50	13.90	33.00	-19.10	1.36 V	287	77.80	-63.90
2	2595.00	14.00	33.00	-19.00	1.32 V	283	77.90	-63.90
3	2617.50	14.00	33.00	-19.00	1.35 V	288	77.90	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 10MHz

Mode	TX channel 37800, 38000, 38200							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	18.00	33.00	-15.00	1.65 H	12	81.90	-63.90
2	2595.00	18.10	33.00	-14.90	1.66 H	10	82.00	-63.90
3	2615.00	18.20	33.00	-14.80	1.69 H	12	82.10	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2575.00	13.40	33.00	-19.60	1.33 V	283	77.30	-63.90
2	2595.00	13.60	33.00	-19.40	1.33 V	286	77.50	-63.90
3	2615.00	13.70	33.00	-19.30	1.31 V	284	77.60	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 15MHz

Mode	TX channel 37825, 38000, 38175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	17.80	33.00	-15.20	1.69 H	6	81.70	-63.90
2	2595.00	18.00	33.00	-15.00	1.74 H	6	81.90	-63.90
3	2612.50	18.30	33.00	-14.70	1.67 H	5	82.20	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2577.50	13.30	33.00	-19.70	1.34 V	281	77.20	-63.90
2	2595.00	13.30	33.00	-19.70	1.34 V	284	77.20	-63.90
3	2612.50	13.70	33.00	-19.30	1.31 V	281	77.60	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 38, Channel Bandwidth 20MHz

Mode	TX channel 37850, 38000, 38150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	18.20	33.00	-14.80	1.72 H	6	82.10	-63.90
2	2595.00	18.10	33.00	-14.90	1.73 H	10	82.00	-63.90
3	2610.00	18.60	33.00	-14.40	1.73 H	5	82.50	-63.90
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2580.00	14.10	33.00	-18.90	1.35 V	283	78.00	-63.90
2	2595.00	14.40	33.00	-18.60	1.38 V	284	78.30	-63.90
3	2610.00	14.10	33.00	-18.90	1.31 V	288	78.00	-63.90

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675, 40620, 41565							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	20.80	33.00	-12.20	1.37 H	191	85.00	-64.20
2	2593.00	20.80	33.00	-12.20	1.39 H	184	84.70	-63.90
3	2687.50	20.80	33.00	-12.20	1.37 H	190	84.60	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	17.00	33.00	-16.00	2.14 V	275	81.20	-64.20
2	2593.00	16.60	33.00	-16.40	2.09 V	276	80.50	-63.90
3	2687.50	16.70	33.00	-16.30	2.13 V	273	80.50	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 10MHz

Mode	TX channel 39700, 40620, 41540							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	20.80	33.00	-12.20	1.40 H	189	85.00	-64.20
2	2593.00	20.80	33.00	-12.20	1.38 H	184	84.70	-63.90
3	2685.00	20.90	33.00	-12.10	1.35 H	190	84.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	17.10	33.00	-15.90	2.06 V	280	81.30	-64.20
2	2593.00	17.20	33.00	-15.80	2.09 V	275	81.10	-63.90
3	2685.00	17.50	33.00	-15.50	2.07 V	277	81.30	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 15MHz

Mode	TX channel 39725, 40620, 41515							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	20.80	33.00	-12.20	1.44 H	185	85.00	-64.20
2	2593.00	21.00	33.00	-12.00	1.38 H	184	84.90	-63.90
3	2682.50	20.90	33.00	-12.10	1.35 H	184	84.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	16.70	33.00	-16.30	2.06 V	279	80.90	-64.20
2	2593.00	16.60	33.00	-16.40	2.14 V	277	80.50	-63.90
3	2682.50	17.30	33.00	-15.70	2.09 V	275	81.10	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750, 40620, 41490							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	20.80	33.00	-12.20	1.41 H	188	85.00	-64.20
2	2593.00	21.10	33.00	-11.90	1.40 H	191	85.00	-63.90
3	2680.00	20.90	33.00	-12.10	1.35 H	185	84.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	16.30	33.00	-16.70	2.16 V	273	80.50	-64.20
2	2593.00	16.80	33.00	-16.20	2.07 V	279	80.70	-63.90
3	2680.00	16.70	33.00	-16.30	2.11 V	275	80.50	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675, 40620, 41565							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	19.70	33.00	-13.30	1.37 H	191	83.90	-64.20
2	2593.00	19.60	33.00	-13.40	1.39 H	184	83.50	-63.90
3	2687.50	19.80	33.00	-13.20	1.37 H	190	83.60	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	16.10	33.00	-16.90	2.15 V	276	80.30	-64.20
2	2593.00	15.60	33.00	-17.40	2.10 V	275	79.50	-63.90
3	2687.50	15.70	33.00	-17.30	2.13 V	277	79.50	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 10MHz

Mode	TX channel 39700, 40620, 41540							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	19.80	33.00	-13.20	1.40 H	189	84.00	-64.20
2	2593.00	19.80	33.00	-13.20	1.38 H	184	83.70	-63.90
3	2685.00	19.90	33.00	-13.10	1.35 H	190	83.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	16.10	33.00	-16.90	2.14 V	274	80.30	-64.20
2	2593.00	16.00	33.00	-17.00	2.14 V	277	79.90	-63.90
3	2685.00	16.50	33.00	-16.50	2.13 V	277	80.30	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 15MHz

Mode	TX channel 39725, 40620, 41515							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	19.80	33.00	-13.20	1.44 H	185	84.00	-64.20
2	2593.00	20.00	33.00	-13.00	1.38 H	184	83.90	-63.90
3	2682.50	19.90	33.00	-13.10	1.35 H	184	83.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	15.80	33.00	-17.20	2.15 V	280	80.00	-64.20
2	2593.00	15.80	33.00	-17.20	2.16 V	275	79.70	-63.90
3	2682.50	16.10	33.00	-16.90	2.12 V	278	79.90	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750, 40620, 41490							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	19.80	33.00	-13.20	1.41 H	188	84.00	-64.20
2	2593.00	20.10	33.00	-12.90	1.40 H	191	84.00	-63.90
3	2680.00	19.90	33.00	-13.10	1.35 H	185	83.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	15.40	33.00	-17.60	2.15 V	277	79.60	-64.20
2	2593.00	16.00	33.00	-17.00	2.08 V	274	79.90	-63.90
3	2680.00	15.50	33.00	-17.50	2.14 V	279	79.30	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675, 40620, 41565							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	18.70	33.00	-14.30	1.37 H	191	82.90	-64.20
2	2593.00	18.60	33.00	-14.40	1.39 H	184	82.50	-63.90
3	2687.50	19.00	33.00	-14.00	1.37 H	190	82.80	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	15.50	33.00	-17.50	2.09 V	278	79.70	-64.20
2	2593.00	15.10	33.00	-17.90	2.14 V	276	79.00	-63.90
3	2687.50	15.10	33.00	-17.90	2.11 V	279	78.90	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 10MHz

Mode	TX channel 39700, 40620, 41540							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	18.80	33.00	-14.20	1.40 H	189	83.00	-64.20
2	2593.00	19.00	33.00	-14.00	1.38 H	184	82.90	-63.90
3	2685.00	18.90	33.00	-14.10	1.35 H	190	82.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	15.50	33.00	-17.50	2.07 V	275	79.70	-64.20
2	2593.00	15.60	33.00	-17.40	2.06 V	277	79.50	-63.90
3	2685.00	15.90	33.00	-17.10	2.16 V	280	79.70	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 15MHz

Mode	TX channel 39725, 40620, 41515							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	18.80	33.00	-14.20	1.44 H	185	83.00	-64.20
2	2593.00	19.00	33.00	-14.00	1.38 H	184	82.90	-63.90
3	2682.50	18.90	33.00	-14.10	1.35 H	184	82.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	15.20	33.00	-17.80	2.09 V	275	79.40	-64.20
2	2593.00	15.40	33.00	-17.60	2.06 V	273	79.30	-63.90
3	2682.50	15.60	33.00	-17.40	2.07 V	280	79.40	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750, 40620, 41490							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	18.70	33.00	-14.30	1.41 H	188	82.90	-64.20
2	2593.00	19.10	33.00	-13.90	1.40 H	191	83.00	-63.90
3	2680.00	19.00	33.00	-14.00	1.35 H	185	82.80	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	14.80	33.00	-18.20	2.06 V	279	79.00	-64.20
2	2593.00	15.50	33.00	-17.50	2.16 V	277	79.40	-63.90
3	2680.00	15.00	33.00	-18.00	2.09 V	277	78.80	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 41, Channel Bandwidth 5MHz

Mode	TX channel 39675, 40620, 41565							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	17.70	33.00	-15.30	1.37 H	191	81.90	-64.20
2	2593.00	17.60	33.00	-15.40	1.39 H	184	81.50	-63.90
3	2687.50	18.00	33.00	-15.00	1.37 H	190	81.80	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2498.50	14.10	33.00	-18.90	2.13 V	279	78.30	-64.20
2	2593.00	13.70	33.00	-19.30	2.06 V	278	77.60	-63.90
3	2687.50	13.60	33.00	-19.40	2.06 V	277	77.40	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 10MHz

Mode	TX channel 39700, 40620, 41540							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	17.80	33.00	-15.20	1.40 H	189	82.00	-64.20
2	2593.00	18.00	33.00	-15.00	1.38 H	184	81.90	-63.90
3	2685.00	17.90	33.00	-15.10	1.35 H	190	81.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2501.00	13.90	33.00	-19.10	2.08 V	278	78.10	-64.20
2	2593.00	14.10	33.00	-18.90	2.06 V	280	78.00	-63.90
3	2685.00	14.40	33.00	-18.60	2.06 V	273	78.20	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 15MHz

Mode	TX channel 39725, 40620, 41515							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	17.80	33.00	-15.20	1.44 H	185	82.00	-64.20
2	2593.00	18.00	33.00	-15.00	1.38 H	184	81.90	-63.90
3	2682.50	17.90	33.00	-15.10	1.35 H	184	81.70	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2503.50	13.70	33.00	-19.30	2.08 V	280	77.90	-64.20
2	2593.00	13.90	33.00	-19.10	2.12 V	275	77.80	-63.90
3	2682.50	14.00	33.00	-19.00	2.11 V	280	77.80	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 41, Channel Bandwidth 20MHz

Mode	TX channel 39750, 40620, 41490							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	17.70	33.00	-15.30	1.41 H	188	81.90	-64.20
2	2593.00	18.10	33.00	-14.90	1.40 H	191	82.00	-63.90
3	2680.00	18.00	33.00	-15.00	1.35 H	185	81.80	-63.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.00	13.40	33.00	-19.60	2.09 V	275	77.60	-64.20
2	2593.00	14.10	33.00	-18.90	2.15 V	276	78.00	-63.90
3	2680.00	13.60	33.00	-19.40	2.07 V	279	77.40	-63.80

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	14.50	30.00	-15.50	3.99 H	16	81.30	-66.80
2	1745.00	14.90	30.00	-15.10	4.00 H	15	81.50	-66.60
3	1779.30	14.80	30.00	-15.20	3.97 H	18	81.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	20.70	30.00	-9.30	1.21 V	244	87.50	-66.80
2	1745.00	21.10	30.00	-8.90	1.20 V	242	87.70	-66.60
3	1779.30	21.20	30.00	-8.80	1.17 V	248	87.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	14.80	30.00	-15.20	3.99 H	17	81.60	-66.80
2	1745.00	15.00	30.00	-15.00	3.93 H	17	81.60	-66.60
3	1778.50	15.00	30.00	-15.00	3.94 H	19	81.60	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.80	30.00	-9.20	1.17 V	243	87.60	-66.80
2	1745.00	21.10	30.00	-8.90	1.13 V	242	87.70	-66.60
3	1778.50	21.70	30.00	-8.30	1.21 V	247	88.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	14.10	30.00	-15.90	3.97 H	20	80.90	-66.80
2	1745.00	15.00	30.00	-15.00	3.93 H	21	81.60	-66.60
3	1777.50	14.60	30.00	-15.40	3.97 H	16	81.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	21.50	30.00	-8.50	1.16 V	247	88.30	-66.80
2	1745.00	21.30	30.00	-8.70	1.20 V	247	87.90	-66.60
3	1777.50	20.90	30.00	-9.10	1.22 V	247	87.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	14.60	30.00	-15.40	3.93 H	15	81.40	-66.80
2	1745.00	14.20	30.00	-15.80	3.94 H	22	80.80	-66.60
3	1775.00	14.40	30.00	-15.60	3.91 H	18	81.00	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.80	30.00	-9.20	1.20 V	243	87.60	-66.80
2	1745.00	21.00	30.00	-9.00	1.19 V	247	87.60	-66.60
3	1775.00	21.20	30.00	-8.80	1.21 V	246	87.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	13.90	30.00	-16.10	3.98 H	22	80.70	-66.80
2	1745.00	14.40	30.00	-15.60	4.00 H	15	81.00	-66.60
3	1772.50	14.90	30.00	-15.10	3.96 H	15	81.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.80	30.00	-9.20	1.18 V	246	87.60	-66.80
2	1745.00	21.70	30.00	-8.30	1.13 V	243	88.30	-66.60
3	1772.50	21.70	30.00	-8.30	1.17 V	241	88.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	14.60	30.00	-15.40	3.99 H	16	81.40	-66.80
2	1745.00	14.30	30.00	-15.70	3.95 H	20	80.90	-66.60
3	1770.00	14.20	30.00	-15.80	3.91 H	16	80.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	21.40	30.00	-8.60	1.16 V	241	88.20	-66.80
2	1745.00	21.80	30.00	-8.20	1.17 V	244	88.40	-66.60
3	1770.00	21.50	30.00	-8.50	1.13 V	244	88.10	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 16QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	13.60	30.00	-16.40	3.95 H	21	80.40	-66.80
2	1745.00	14.10	30.00	-15.90	3.96 H	16	80.70	-66.60
3	1779.30	13.60	30.00	-16.40	3.96 H	18	80.20	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.90	30.00	-10.10	1.14 V	248	86.70	-66.80
2	1745.00	20.20	30.00	-9.80	1.21 V	246	86.80	-66.60
3	1779.30	20.10	30.00	-9.90	1.18 V	247	86.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	14.00	30.00	-16.00	3.96 H	21	80.80	-66.80
2	1745.00	14.00	30.00	-16.00	3.90 H	17	80.60	-66.60
3	1778.50	14.10	30.00	-15.90	3.92 H	16	80.70	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.90	30.00	-10.10	1.12 V	241	86.70	-66.80
2	1745.00	20.30	30.00	-9.70	1.22 V	246	86.90	-66.60
3	1778.50	20.60	30.00	-9.40	1.19 V	246	87.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	13.00	30.00	-17.00	3.90 H	16	79.80	-66.80
2	1745.00	14.20	30.00	-15.80	3.96 H	22	80.80	-66.60
3	1777.50	13.70	30.00	-16.30	3.90 H	19	80.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	20.70	30.00	-9.30	1.17 V	248	87.50	-66.80
2	1745.00	20.20	30.00	-9.80	1.17 V	248	86.80	-66.60
3	1777.50	20.10	30.00	-9.90	1.20 V	247	86.70	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	13.50	30.00	-16.50	3.90 H	16	80.30	-66.80
2	1745.00	13.10	30.00	-16.90	3.93 H	21	79.70	-66.60
3	1775.00	13.40	30.00	-16.60	3.96 H	16	80.00	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.90	30.00	-10.10	1.13 V	241	86.70	-66.80
2	1745.00	20.20	30.00	-9.80	1.16 V	248	86.80	-66.60
3	1775.00	20.30	30.00	-9.70	1.14 V	242	86.90	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	13.10	30.00	-16.90	3.99 H	22	79.90	-66.80
2	1745.00	13.30	30.00	-16.70	3.92 H	21	79.90	-66.60
3	1772.50	13.70	30.00	-16.30	3.97 H	15	80.30	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.80	30.00	-10.20	1.18 V	242	86.60	-66.80
2	1745.00	20.70	30.00	-9.30	1.14 V	247	87.30	-66.60
3	1772.50	20.90	30.00	-9.10	1.19 V	244	87.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	13.80	30.00	-16.20	3.95 H	22	80.60	-66.80
2	1745.00	13.40	30.00	-16.60	3.97 H	21	80.00	-66.60
3	1770.00	13.20	30.00	-16.80	3.99 H	21	79.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.60	30.00	-9.40	1.16 V	241	87.40	-66.80
2	1745.00	20.60	30.00	-9.40	1.14 V	248	87.20	-66.60
3	1770.00	20.60	30.00	-9.40	1.13 V	247	87.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	13.10	30.00	-16.90	3.91 H	18	79.90	-66.80
2	1745.00	13.50	30.00	-16.50	3.96 H	16	80.10	-66.60
3	1779.30	13.00	30.00	-17.00	3.91 H	18	79.60	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.50	30.00	-10.50	1.21 V	242	86.30	-66.80
2	1745.00	19.70	30.00	-10.30	1.21 V	248	86.30	-66.60
3	1779.30	19.60	30.00	-10.40	1.17 V	243	86.20	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	13.60	30.00	-16.40	3.98 H	17	80.40	-66.80
2	1745.00	13.60	30.00	-16.40	4.00 H	21	80.20	-66.60
3	1778.50	13.50	30.00	-16.50	3.98 H	21	80.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.50	30.00	-10.50	1.13 V	242	86.30	-66.80
2	1745.00	19.80	30.00	-10.20	1.19 V	246	86.40	-66.60
3	1778.50	20.20	30.00	-9.80	1.18 V	244	86.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	13.40	30.00	-16.60	3.98 H	19	80.20	-66.80
2	1745.00	13.20	30.00	-16.80	3.95 H	22	79.80	-66.60
3	1777.50	13.20	30.00	-16.80	3.95 H	22	79.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	20.30	30.00	-9.70	1.18 V	242	87.10	-66.80
2	1745.00	19.60	30.00	-10.40	1.15 V	247	86.20	-66.60
3	1777.50	19.70	30.00	-10.30	1.20 V	247	86.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	12.90	30.00	-17.10	3.94 H	19	79.70	-66.80
2	1745.00	12.50	30.00	-17.50	3.99 H	20	79.10	-66.60
3	1775.00	12.80	30.00	-17.20	3.97 H	16	79.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.30	30.00	-10.70	1.19 V	242	86.10	-66.80
2	1745.00	19.80	30.00	-10.20	1.15 V	244	86.40	-66.60
3	1775.00	19.70	30.00	-10.30	1.13 V	243	86.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	12.50	30.00	-17.50	3.93 H	15	79.30	-66.80
2	1745.00	12.80	30.00	-17.20	3.92 H	15	79.40	-66.60
3	1772.50	13.10	30.00	-16.90	3.97 H	17	79.70	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.40	30.00	-10.60	1.13 V	247	86.20	-66.80
2	1745.00	20.30	30.00	-9.70	1.15 V	246	86.90	-66.60
3	1772.50	20.30	30.00	-9.70	4.00 V	244	86.90	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	13.40	30.00	-16.60	3.97 H	21	80.20	-66.80
2	1745.00	12.90	30.00	-17.10	3.90 H	21	79.50	-66.60
3	1770.00	12.80	30.00	-17.20	3.99 H	17	79.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.20	30.00	-9.80	1.16 V	247	87.00	-66.80
2	1745.00	20.20	30.00	-9.80	1.13 V	241	86.80	-66.60
3	1770.00	20.20	30.00	-9.80	1.18 V	248	86.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: 256QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	11.70	30.00	-18.30	3.94 H	16	78.50	-66.80
2	1745.00	12.00	30.00	-18.00	3.98 H	17	78.60	-66.60
3	1779.30	11.50	30.00	-18.50	3.98 H	16	78.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.00	30.00	-12.00	1.16 V	241	84.80	-66.80
2	1745.00	18.20	30.00	-11.80	1.16 V	241	84.80	-66.60
3	1779.30	18.00	30.00	-12.00	1.13 V	246	84.60	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	12.20	30.00	-17.80	3.97 H	16	79.00	-66.80
2	1745.00	12.10	30.00	-17.90	3.92 H	19	78.70	-66.60
3	1778.50	11.90	30.00	-18.10	3.99 H	16	78.50	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.00	30.00	-12.00	1.22 V	241	84.80	-66.80
2	1745.00	18.30	30.00	-11.70	1.21 V	242	84.90	-66.60
3	1778.50	18.70	30.00	-11.30	1.13 V	241	85.30	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	10.90	30.00	-19.10	3.90 H	17	77.70	-66.80
2	1745.00	12.00	30.00	-18.00	3.99 H	22	78.60	-66.60
3	1777.50	11.80	30.00	-18.20	3.99 H	16	78.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.80	30.00	-11.20	1.20 V	247	85.60	-66.80
2	1745.00	18.20	30.00	-11.80	1.17 V	244	84.80	-66.60
3	1777.50	18.20	30.00	-11.80	1.18 V	243	84.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	11.30	30.00	-18.70	3.99 H	19	78.10	-66.80
2	1745.00	11.00	30.00	-19.00	3.95 H	15	77.60	-66.60
3	1775.00	11.20	30.00	-18.80	4.00 H	22	77.80	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.70	30.00	-12.30	1.17 V	248	84.50	-66.80
2	1745.00	18.30	30.00	-11.70	1.20 V	248	84.90	-66.60
3	1775.00	18.20	30.00	-11.80	1.22 V	246	84.80	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	11.00	30.00	-19.00	3.94 H	18	77.80	-66.80
2	1745.00	11.30	30.00	-18.70	3.94 H	15	77.90	-66.60
3	1772.50	11.50	30.00	-18.50	3.94 H	22	78.10	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.80	30.00	-12.20	1.19 V	241	84.60	-66.80
2	1745.00	18.90	30.00	-11.10	1.12 V	243	85.50	-66.60
3	1772.50	18.90	30.00	-11.10	1.15 V	247	85.50	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	10.90	30.00	-19.10	3.99 H	22	77.70	-66.80
2	1745.00	10.90	30.00	-19.10	3.99 H	18	77.50	-66.60
3	1770.00	11.80	30.00	-18.20	3.96 H	19	78.40	-66.60
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.30	30.00	-11.70	1.16 V	244	85.10	-66.80
2	1745.00	18.40	30.00	-11.60	1.17 V	245	85.00	-66.60
3	1770.00	17.80	30.00	-12.20	1.21 V	248	84.40	-66.60

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value

Modulation Type: QPSK

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147, 133297, 133447							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	18.30	34.80	-16.50	1.14 H	221	86.50	-68.20
2	680.50	18.20	34.80	-16.60	1.18 H	215	86.20	-68.00
3	695.50	18.80	34.80	-16.00	1.15 H	222	86.50	-67.70
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	15.50	34.80	-19.30	1.34 V	19	83.70	-68.20
2	680.50	15.00	34.80	-19.80	1.27 V	19	83.00	-68.00
3	695.50	15.50	34.80	-19.30	1.30 V	12	83.20	-67.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 10MHz

Mode	TX channel 133172, 133297, 133422							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	18.30	34.80	-16.50	1.19 H	221	86.50	-68.20
2	680.50	18.20	34.80	-16.60	1.17 H	220	86.20	-68.00
3	693.00	18.40	34.80	-16.40	1.23 H	219	86.20	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	15.40	34.80	-19.40	1.24 V	14	83.60	-68.20
2	680.50	15.00	34.80	-19.80	1.30 V	13	83.00	-68.00
3	693.00	15.70	34.80	-19.10	1.30 V	19	83.50	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 15MHz

Mode	TX channel 133197, 133297, 133397							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	18.40	34.80	-16.40	1.14 H	221	86.40	-68.00
2	680.50	18.50	34.80	-16.30	1.17 H	216	86.50	-68.00
3	690.50	18.70	34.80	-16.10	1.19 H	221	86.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	15.50	34.80	-19.30	1.25 V	19	83.50	-68.00
2	680.50	15.80	34.80	-19.00	1.24 V	13	83.80	-68.00
3	690.50	15.20	34.80	-19.60	1.30 V	13	83.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222, 133297, 133372							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	18.90	34.80	-15.90	1.23 H	217	86.90	-68.00
2	680.50	18.80	34.80	-16.00	1.17 H	222	86.80	-68.00
3	688.00	18.40	34.80	-16.40	1.18 H	219	86.20	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	15.80	34.80	-19.00	1.33 V	16	83.80	-68.00
2	680.50	16.00	34.80	-18.80	1.28 V	13	84.00	-68.00
3	688.00	15.70	34.80	-19.10	1.27 V	15	83.50	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 16QAM

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147, 133297, 133447							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	17.30	34.80	-17.50	1.14 H	221	85.50	-68.20
2	680.50	17.20	34.80	-17.60	1.18 H	215	85.20	-68.00
3	695.50	17.80	34.80	-17.00	1.15 H	222	85.50	-67.70
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	14.50	34.80	-20.30	1.30 V	16	82.70	-68.20
2	680.50	14.00	34.80	-20.80	1.32 V	16	82.00	-68.00
3	695.50	14.50	34.80	-20.30	1.27 V	14	82.20	-67.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 10MHz

Mode	TX channel 133172, 133297, 133422							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	17.30	34.80	-17.50	1.19 H	221	85.50	-68.20
2	680.50	17.20	34.80	-17.60	1.17 H	220	85.20	-68.00
3	693.00	17.40	34.80	-17.40	1.23 H	219	85.20	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	14.20	34.80	-20.60	1.28 V	17	82.40	-68.20
2	680.50	14.20	34.80	-20.60	1.34 V	15	82.20	-68.00
3	693.00	14.70	34.80	-20.10	1.27 V	14	82.50	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 15MHz

Mode	TX channel 133197, 133297, 133397							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	17.40	34.80	-17.40	1.14 H	221	85.40	-68.00
2	680.50	17.50	34.80	-17.30	1.17 H	216	85.50	-68.00
3	690.50	17.70	34.80	-17.10	1.19 H	221	85.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	14.80	34.80	-20.00	1.30 V	14	82.80	-68.00
2	680.50	14.80	34.80	-20.00	1.27 V	14	82.80	-68.00
3	690.50	14.40	34.80	-20.40	1.26 V	16	82.20	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222, 133297, 133372							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	17.90	34.80	-16.90	1.23 H	217	85.90	-68.00
2	680.50	17.80	34.80	-17.00	1.17 H	222	85.80	-68.00
3	688.00	17.40	34.80	-17.40	1.18 H	219	85.20	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	15.00	34.80	-19.80	1.29 V	17	83.00	-68.00
2	680.50	15.00	34.80	-19.80	1.27 V	16	83.00	-68.00
3	688.00	14.40	34.80	-20.40	1.28 V	14	82.20	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 64QAM

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147, 133297, 133447							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	16.30	34.80	-18.50	1.14 H	221	84.50	-68.20
2	680.50	16.50	34.80	-18.30	1.18 H	215	84.50	-68.00
3	695.50	16.80	34.80	-18.00	1.15 H	222	84.50	-67.70
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	14.00	34.80	-20.80	1.31 V	15	82.20	-68.20
2	680.50	13.50	34.80	-21.30	1.25 V	14	81.50	-68.00
3	695.50	14.00	34.80	-20.80	1.28 V	14	81.70	-67.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 10MHz

Mode	TX channel 133172, 133297, 133422							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	16.30	34.80	-18.50	1.19 H	221	84.50	-68.20
2	680.50	16.50	34.80	-18.30	1.17 H	220	84.50	-68.00
3	693.00	16.40	34.80	-18.40	1.23 H	219	84.20	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	13.80	34.80	-21.00	1.25 V	12	82.00	-68.20
2	680.50	14.00	34.80	-20.80	1.28 V	14	82.00	-68.00
3	693.00	14.20	34.80	-20.60	1.27 V	15	82.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 15MHz

Mode	TX channel 133197, 133297, 133397							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	16.40	34.80	-18.40	1.14 H	221	84.40	-68.00
2	680.50	16.50	34.80	-18.30	1.17 H	216	84.50	-68.00
3	690.50	16.90	34.80	-17.90	1.19 H	221	84.70	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	14.00	34.80	-20.80	1.24 V	18	82.00	-68.00
2	680.50	14.20	34.80	-20.60	1.25 V	16	82.20	-68.00
3	690.50	13.70	34.80	-21.10	1.27 V	13	81.50	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222, 133297, 133372							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	17.20	34.80	-17.60	1.23 H	217	85.20	-68.00
2	680.50	17.10	34.80	-17.70	1.17 H	222	85.10	-68.00
3	688.00	16.70	34.80	-18.10	1.18 H	219	84.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	14.50	34.80	-20.30	1.28 V	16	82.50	-68.00
2	680.50	14.50	34.80	-20.30	1.27 V	15	82.50	-68.00
3	688.00	14.20	34.80	-20.60	1.28 V	18	82.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

Modulation Type: 256QAM

LTE Band 71, Channel Bandwidth 5MHz

Mode	TX channel 133147, 133297, 133447							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	15.30	34.80	-19.50	1.14 H	221	83.50	-68.20
2	680.50	15.50	34.80	-19.30	1.18 H	215	83.50	-68.00
3	695.50	15.80	34.80	-19.00	1.15 H	222	83.50	-67.70
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	12.40	34.80	-22.40	1.32 V	12	80.60	-68.20
2	680.50	12.00	34.80	-22.80	1.32 V	14	80.00	-68.00
3	695.50	12.40	34.80	-22.40	1.30 V	19	80.10	-67.70

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 10MHz

Mode	TX channel 133172, 133297, 133422							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	15.30	34.80	-19.50	1.19 H	221	83.50	-68.20
2	680.50	15.50	34.80	-19.30	1.17 H	220	83.50	-68.00
3	693.00	15.40	34.80	-19.40	1.23 H	219	83.20	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	12.30	34.80	-22.50	1.28 V	17	80.50	-68.20
2	680.50	12.20	34.80	-22.60	1.26 V	12	80.20	-68.00
3	693.00	12.70	34.80	-22.10	1.31 V	16	80.50	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 15MHz

Mode	TX channel 133197, 133297, 133397							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	15.50	34.80	-19.30	1.14 H	221	83.50	-68.00
2	680.50	15.50	34.80	-19.30	1.17 H	216	83.50	-68.00
3	690.50	15.90	34.80	-18.90	1.19 H	221	83.70	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	12.50	34.80	-22.30	1.33 V	18	80.50	-68.00
2	680.50	12.50	34.80	-22.30	1.25 V	13	80.50	-68.00
3	690.50	12.20	34.80	-22.60	1.30 V	12	80.00	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

LTE Band 71, Channel Bandwidth 20MHz

Mode	TX channel 133222, 133297, 133372							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	16.20	34.80	-18.60	1.23 H	217	84.20	-68.00
2	680.50	16.10	34.80	-18.70	1.17 H	222	84.10	-68.00
3	688.00	15.70	34.80	-19.10	1.18 H	219	83.50	-67.80
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	13.00	34.80	-21.80	1.32 V	17	81.00	-68.00
2	680.50	12.80	34.80	-22.00	1.31 V	15	80.80	-68.00
3	688.00	12.40	34.80	-22.40	1.26 V	13	80.20	-67.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value

4.2 Modulation Characteristics Measurement

4.2.1 Limits of Modulation Characteristics

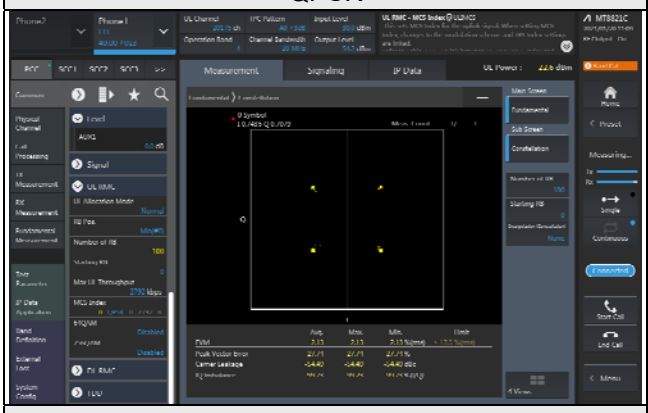
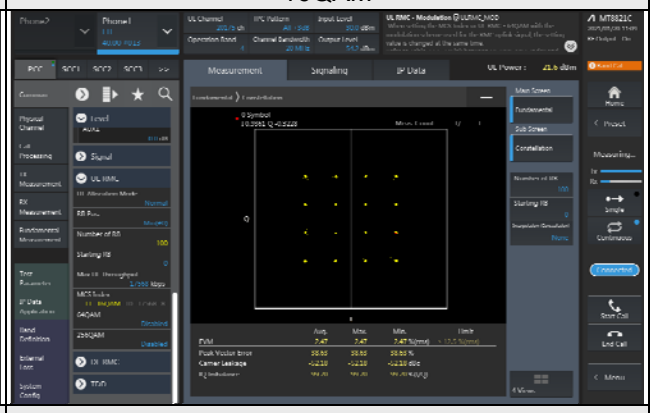
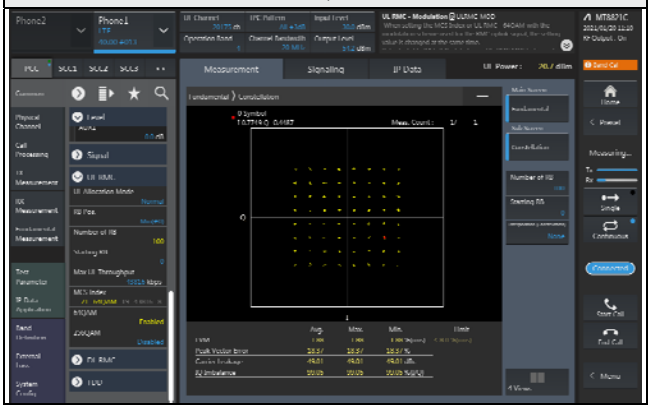
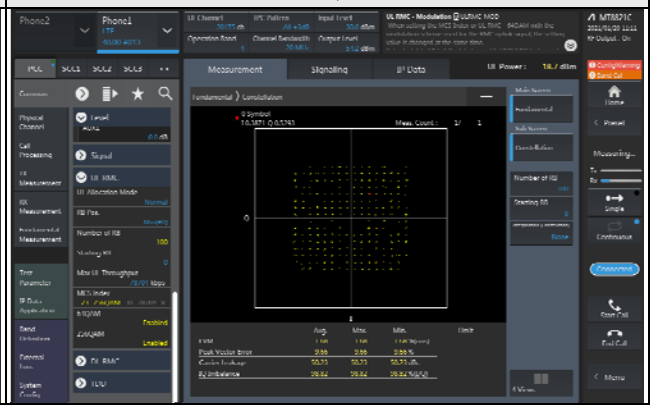
N/A

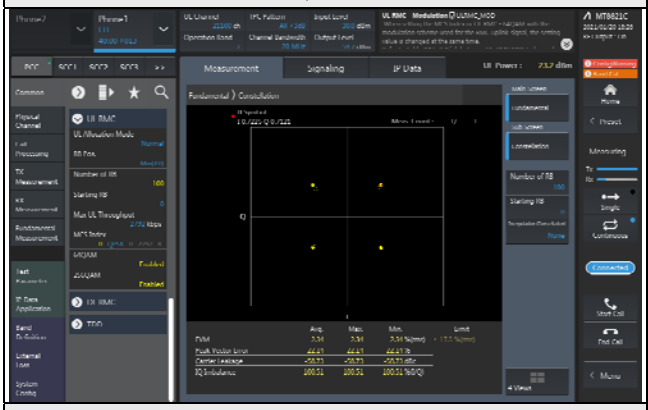
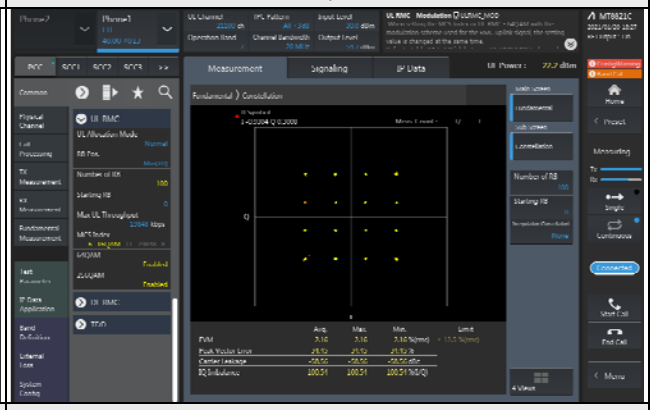
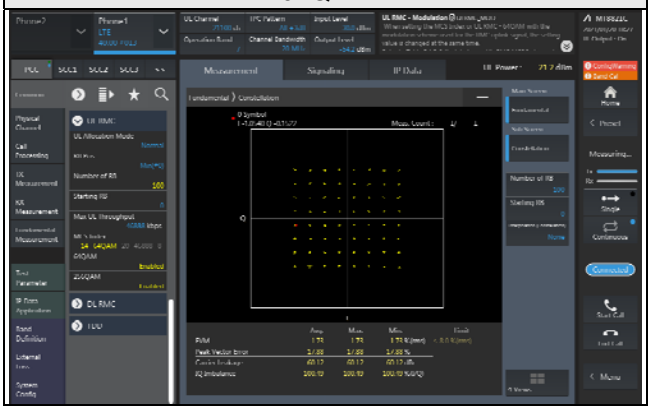
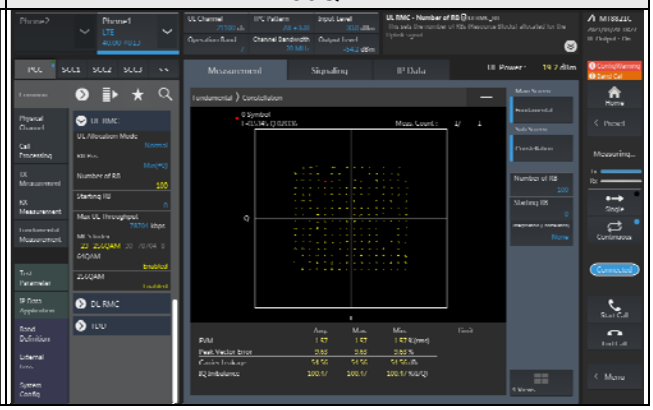
4.2.2 Test Procedure

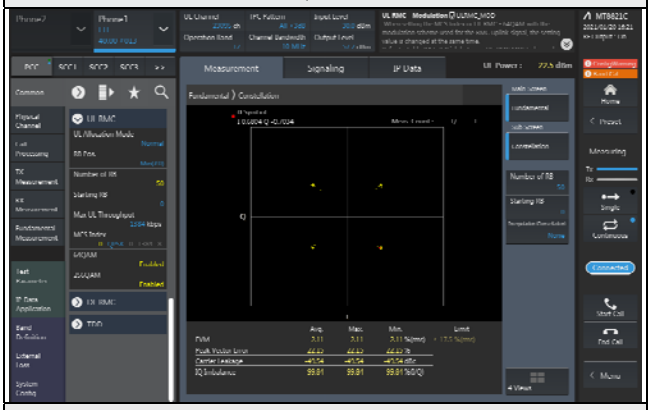
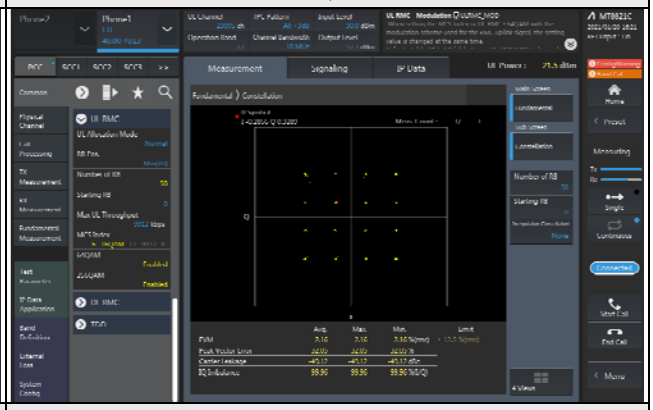
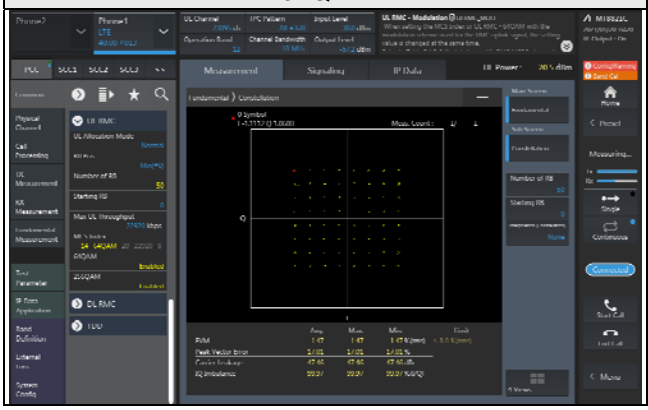
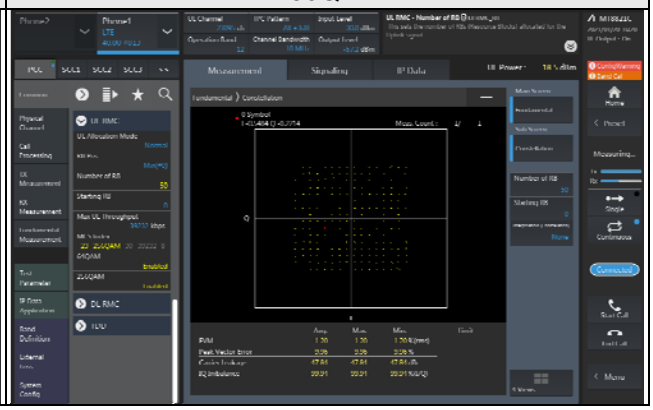
Connect the EUT to Communication Simulator via the antenna connector, The frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

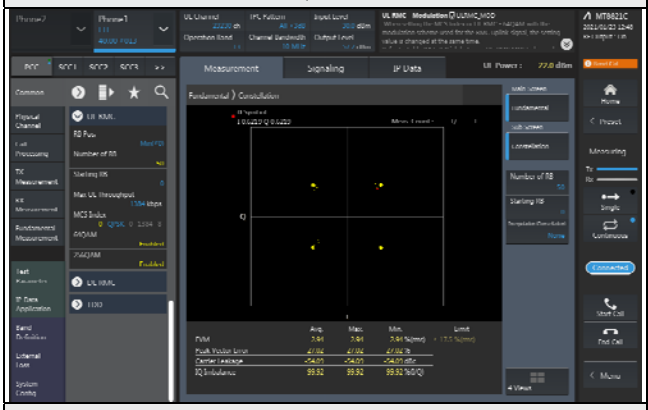
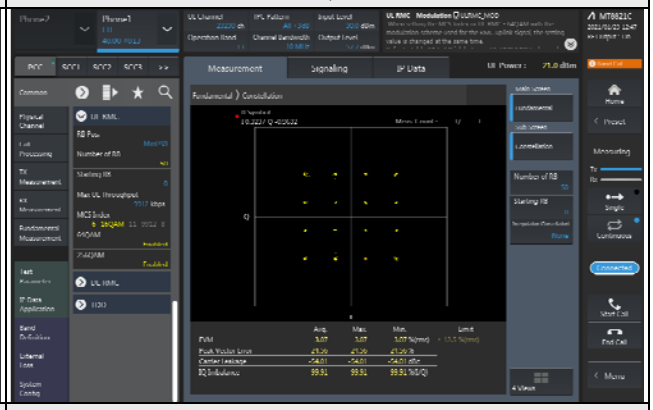
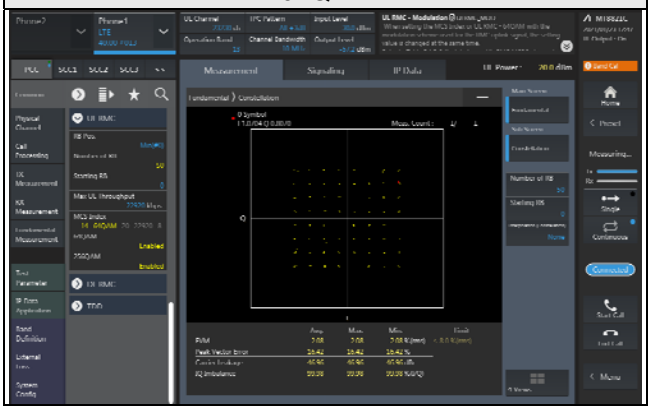
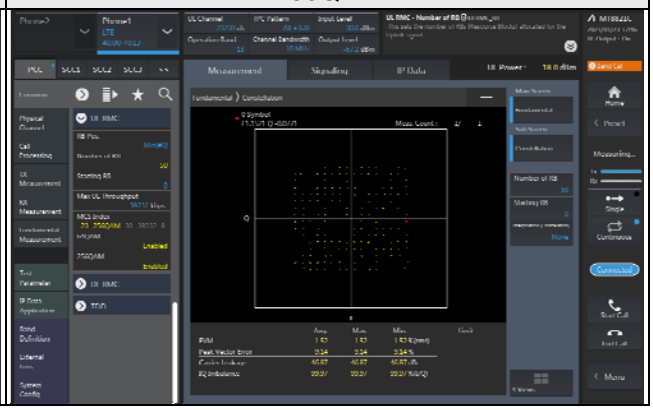
4.2.3 Test Setup

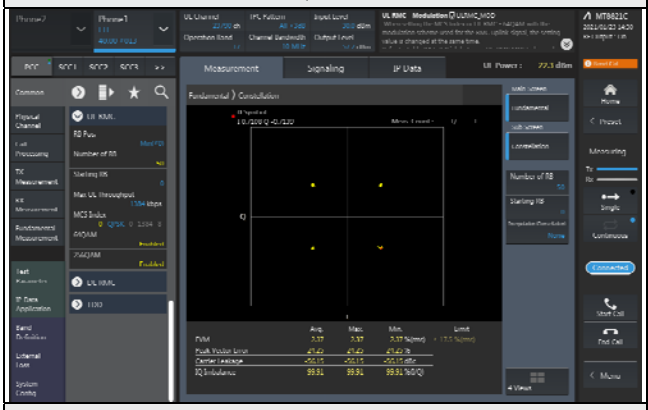
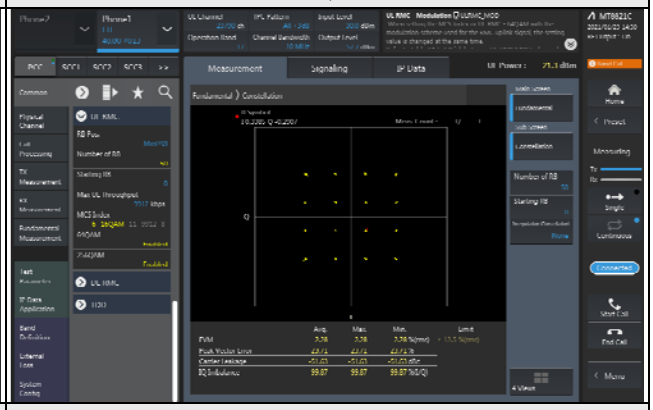
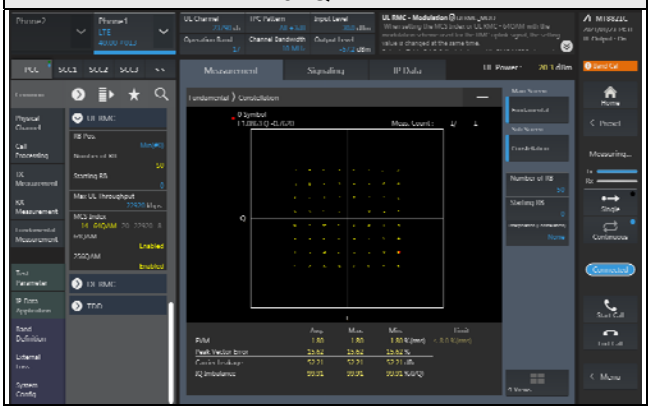
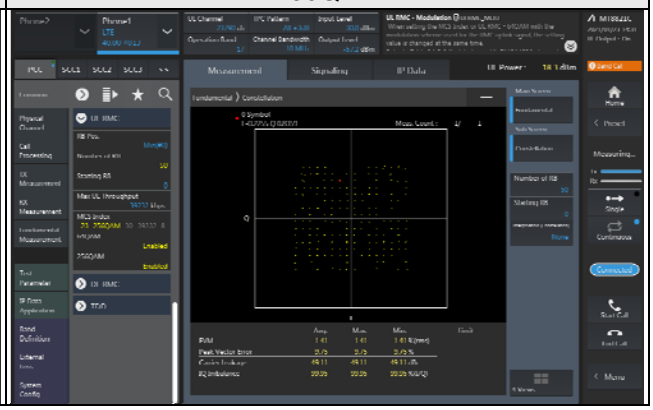
4.2.4 Test Results

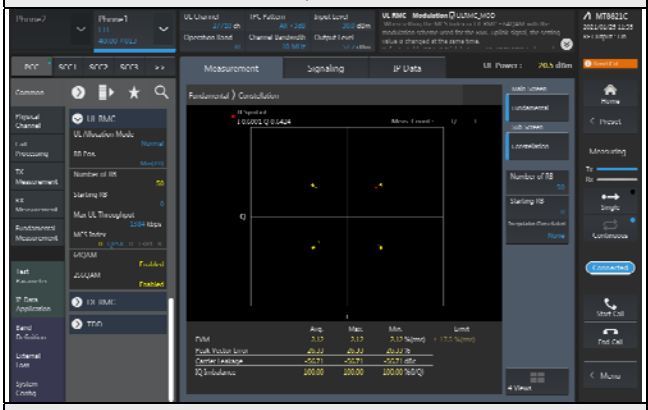
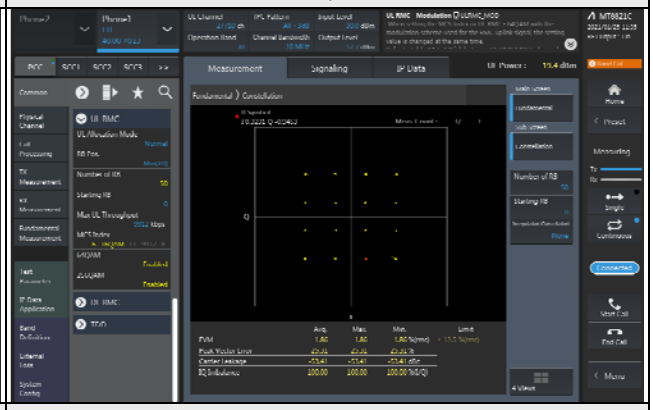
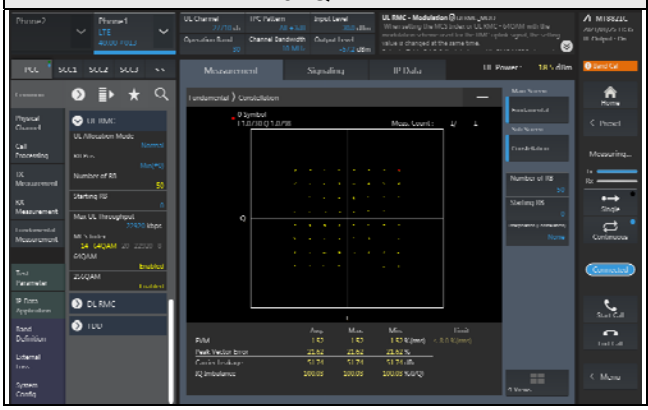
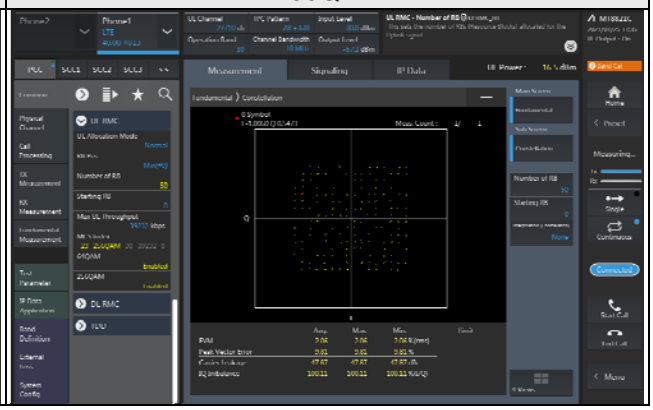
LTE Band 4	
Spectrum Plot of Measurement Value	
Channel: 20175 / Frequency (MHz): 1732.5MHz	
QPSK	16QAM
	
64QAM	256QAM
	

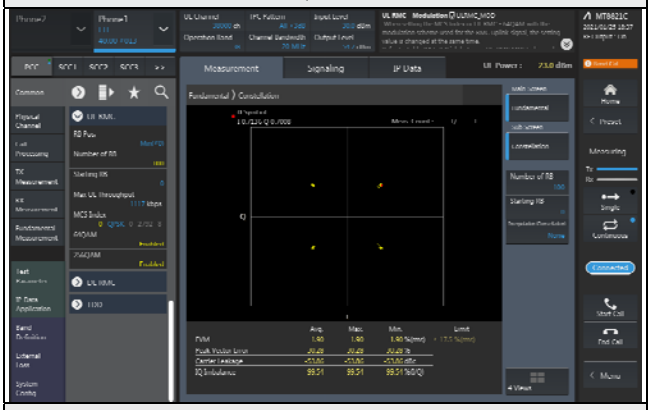
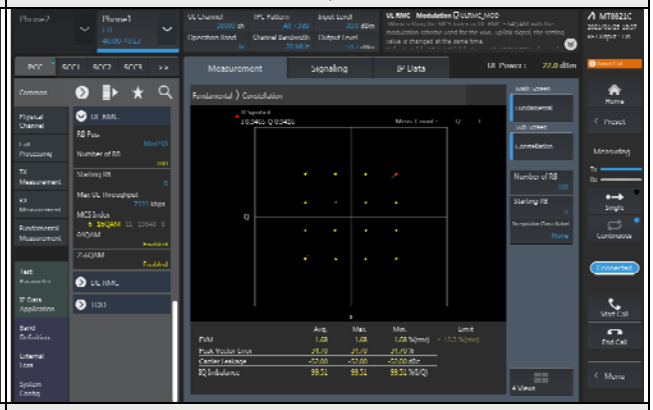
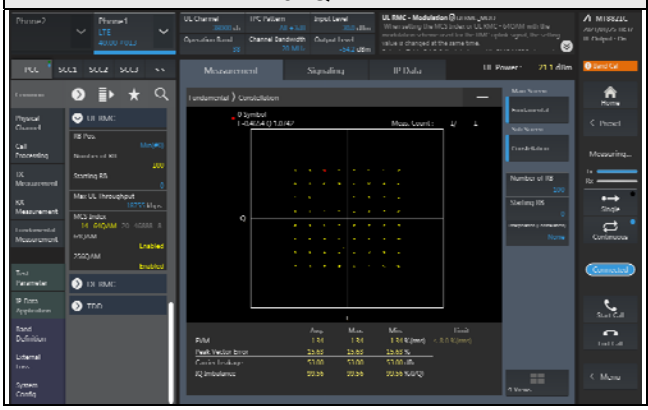
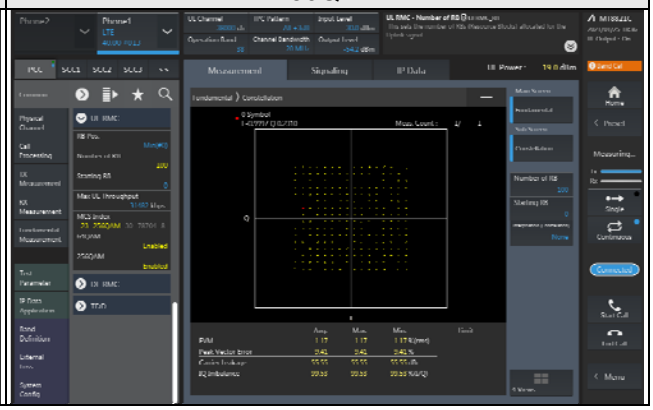
LTE Band 7	
Spectrum Plot of Measurement Value	
Channel: 21100 / Frequency (MHz): 2535.0MHz	
QPSK	16QAM
	
64QAM	256QAM
	

LTE Band 12	
Spectrum Plot of Measurement Value	
Channel: 23095 / Frequency (MHz): 707.5MHz	
QPSK	16QAM
	
64QAM	256QAM
	

LTE Band 13	
Spectrum Plot of Measurement Value	
Channel: 23230 / Frequency (MHz): 782.0MHz	
QPSK	16QAM
	
64QAM	256QAM
	

LTE Band 17	
Spectrum Plot of Measurement Value	
Channel: 23790 / Frequency (MHz): 710.0MHz	
QPSK	16QAM
	
64QAM	256QAM
	

LTE Band 30	
Spectrum Plot of Measurement Value	
Channel: 27710 / Frequency (MHz): 2310.0 MHz	
QPSK	16QAM
	
64QAM	256QAM
	

LTE Band 38	
Spectrum Plot of Measurement Value	
Channel: 38000 / Frequency (MHz): 2595.0 MHz	
QPSK	16QAM
	
64QAM	256QAM