FCC Test Report
(Part 22, Part 24, Part 27 – n66A+Band 2/5/7/12/13)

Report No.: RFBBQZ-WTW-P20120749-8

FCC ID: PY320400515

Test Model: MR5100C

Received Date: Dec. 23, 2020

Test Date: Jan. 05 ~ Feb. 14, 2021

Issued Date: Feb. 23, 2021

Applicant and Manufacturer: NETGEAR INC.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / Designation Number: 788550 / TW0003

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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P20120749-8	Original release	Feb. 23, 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. 14, 2021

Standards: FCC Part 22, Subpart H
FCC Part 24, Subpart E
FCC Part 27, Subpart F, H, L, M

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 : Pettie Chen , **Date:** Feb. 23, 2021
Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Feb. 23, 2021
Bruce Chen / Senior Project Engineer

2 Summary of Test Results

For LTE Band 13:

Applied Standard: FCC Part 27 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 27.50(b)	Equivalent Radiated Power	Pass	Meet the requirement of limit.
2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
----	Peak To Average Ratio	Pass	Meet the requirement of limit.
2.1055 27.54	Frequency Stability Stay with the authorized bands of operation	Pass	Meet the requirement of limit.
2.1049	Occupied Bandwidth	Pass	Meet the requirement of limit.
2.1051 27.53(c)	Band Edge / Out of Band Emissions Measurements	Pass	Meet the requirement of limit.
2.1051 27.53 (c)(f)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 27.53(c)(f)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -0.22dB at 1564.00MHz.

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

For LTE Band 5:

Applied Standard: FCC Part 22 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 22.913 (a)	Effective radiated power	Pass	Meet the requirement of limit.
2.1047	Modulation Characteristics	Pass	Meet the requirement
22.913 (d)	Peak To Average Ratio	Pass	Meet the requirement of limit.
2.1055 22.355	Frequency Stability	Pass	Meet the requirement of limit.
2.1049	Occupied Bandwidth	Pass	Meet the requirement of limit.
22.917	Band Edge Measurements	Pass	Meet the requirement of limit.
2.1051 22.917	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 22.917	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -26.12dB at 62.33MHz.

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

For LTE Band 2:

Applied Standard: FCC Part 24 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 24.232	Effective radiated power	Pass	Meet the requirement of limit.
2.1046 24.232(d)	Peak To Average Ratio	Pass	Meet the requirement of limit.
2.1047	Modulation Characteristics	Pass	Meet the requirement
2.1055 24.235	Frequency Stability	Pass	Meet the requirement of limit.
2.1049 24.238(b)	Occupied Bandwidth	Pass	Meet the requirement of limit.
24.238(b)	Band Edge Measurements	Pass	Meet the requirement of limit.
2.1051 24.238	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 24.238	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -24.05dB at 62.33MHz.

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

For 5GNR n66A, LTE Band 12:

Applied Standard: FCC Part 27 & Part 2				
FCC Clause		Test Item	Result	Remarks
LTE B12	5GNR n66A			
2.1046 27.50 (c)	2.1046 27.50 (d)(4)	Equivalent Isotropically Radiated Power / Equivalent Radiated Power	Pass	Meet the requirement of limit.
2.1047	2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
----	27.50 (d)(5)	Peak To Average Ratio	Pass	Meet the requirement of limit.
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	Occupied Bandwidth	Pass	Meet the requirement of limit.
2.1051 27.53 (g)	2.1051 27.53 (h)	Band Edge Measurements	Pass	Meet the requirement of limit.
2.1051 27.53 (g)	2.1051 27.53 (h)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 27.53 (g)	2.1053 27.53 (h)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -23.96dB at 62.33MHz.

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

For LTE Band 7:

Applied Standard: FCC Part 27 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 27.50 (h)(2)	Equivalent Isotropically Radiated Power	Pass	Meet the requirement.
2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
----	Peak To Average Ratio	Pass	Meet the requirement of limit.
2.1055 27.54	Frequency Stability Stay with the authorized bands of operation	Pass	Meet the requirement of limit.
2.1049	Occupied Bandwidth	Pass	Meet the requirement of limit.
2.1051 27.53 (m)(4)(6)	Band Edge / Out of Band Emissions Measurements	Pass	Meet the requirement of limit.
2.1051 27.53 (m)(4)(6)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 27.53 (m)(4)(6)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -12.17dB at 62.33MHz.

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
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)

n66

Modulation Type	$\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM					
Waveform Type	CP-OFDM, DFT-s-OFDM					
Operating Frequency	n66 (Channel Bandwidth 5MHz)	1712.5MHz ~ 1777.5MHz				
	n66 (Channel Bandwidth 10MHz)	1715.0MHz ~ 1775.0MHz				
	n66 (Channel Bandwidth 15MHz)	1717.5MHz ~ 1772.5MHz				
	n66 (Channel Bandwidth 20MHz)	1720.0MHz ~ 1770.0MHz				
	n66 (Channel Bandwidth 30MHz)	1725.0MHz ~ 1765.0MHz				
	n66 (Channel Bandwidth 40MHz)	1730.0MHz ~ 1760.0MHz				
Max. EIRP Power (Internal Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n66 (Channel Bandwidth 5MHz)	138.038mW (21.4dBm)	123.027mW (20.9dBm)	97.724mW (19.9dBm)	85.114mW (19.3dBm)	58.884mW (17.7dBm)
	n66 (Channel Bandwidth 10MHz)	141.254mW (21.5dBm)	125.893mW (21.0dBm)	104.713mW (20.2dBm)	93.325mW (19.7dBm)	66.069mW (18.2dBm)
	n66 (Channel Bandwidth 15MHz)	134.896mW (21.3dBm)	123.027mW (20.9dBm)	95.499mW (19.8dBm)	83.176mW (19.2dBm)	58.884mW (17.7dBm)
	n66 (Channel Bandwidth 20MHz)	138.038mW (21.4dBm)	125.893mW (21.0dBm)	100.000mW (20.0dBm)	87.096mW (19.4dBm)	60.256mW (17.8dBm)
	n66 (Channel Bandwidth 30MHz)	128.825mW (21.1dBm)	112.202mW (20.5dBm)	87.096mW (19.4dBm)	77.625mW (18.9dBm)	56.234mW (17.5dBm)
	n66 (Channel Bandwidth 40MHz)	147.911mW (21.7dBm)	117.490mW (20.7dBm)	91.201mW (19.6dBm)	83.176mW (19.2dBm)	58.884mW (17.7dBm)
Max. EIRP Power (External Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n66 (Channel Bandwidth 5MHz)	158.489mW (22.0dBm)	154.882mW (21.9dBm)	125.893mW (21.0dBm)	114.815mW (20.6dBm)	79.433mW (19.0dBm)
	n66 (Channel Bandwidth 10MHz)	158.489mW (22.0dBm)	154.882mW (21.9dBm)	120.226mW (20.8dBm)	109.648mW (20.4dBm)	77.625mW (18.9dBm)
	n66 (Channel Bandwidth 15MHz)	158.489mW (22.0dBm)	154.882mW (21.9dBm)	120.226mW (20.8dBm)	109.648mW (20.4dBm)	77.625mW (18.9dBm)
	n66 (Channel Bandwidth 20MHz)	154.882mW (21.9dBm)	138.038mW (21.4dBm)	112.202mW (20.5dBm)	100.000mW (20.0dBm)	69.183mW (18.4dBm)
	n66 (Channel Bandwidth 30MHz)	165.959mW (22.2dBm)	147.911mW (21.7dBm)	123.027mW (20.9dBm)	109.648mW (20.4dBm)	74.131mW (18.7dBm)
	n66 (Channel Bandwidth 40MHz)	177.828mW (22.5dBm)	151.356mW (21.8dBm)	117.490mW (20.7dBm)	102.329mW (20.1dBm)	72.444mW (18.6dBm)
Emission Designator		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n66 (Channel Bandwidth 5MHz)	4M47G7D	4M47G7D	4M47D7W	4M47D7W	4M47D7W
	n66 (Channel Bandwidth 10MHz)	9M17G7D	9M28G7D	9M26D7W	9M28D7W	9M29D7W
	n66 (Channel Bandwidth 15MHz)	14M0G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
	n66 (Channel Bandwidth 20MHz)	18M7G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W
	n66 (Channel Bandwidth 30MHz)	28M6G7D	28M6G7D	28M6W7D	28M5W7D	28M5W7D
	n66 (Channel Bandwidth 40MHz)	38M4G7D	38M5G7D	38M6W7D	38M5W7D	38M5W7D

LTE Band

Modulation Type	QPSK, 16QAM, 64QAM, 256QAM					
Operating Frequency	LTE Band 2	Channel Bandwidth 1.4MHz	1850.7MHz ~ 1909.3MHz			
		Channel Bandwidth 3MHz	1851.5MHz ~ 1908.5MHz			
		Channel Bandwidth 5MHz	1852.5MHz ~ 1907.5MHz			
		Channel Bandwidth 10MHz	1855.0MHz ~ 1905.0MHz			
		Channel Bandwidth 15MHz	1857.5MHz ~ 1902.5MHz			
		Channel Bandwidth 20MHz	1860.0MHz ~ 1900.0MHz			
	LTE Band 5	Channel Bandwidth 1.4MHz	824.7MHz ~ 848.3MHz			
		Channel Bandwidth 3MHz	825.5MHz ~ 847.5MHz			
		Channel Bandwidth 5MHz	826.5MHz ~ 846.5MHz			
		Channel Bandwidth 10MHz	829.0MHz ~ 844.0MHz			
	LTE Band 7	Channel Bandwidth 5MHz	2502.5MHz ~ 2567.5MHz			
		Channel Bandwidth 10MHz	2505.0MHz ~ 2565.0MHz			
		Channel Bandwidth 15MHz	2507.5MHz ~ 2562.5MHz			
		Channel Bandwidth 20MHz	2510.0MHz ~ 2560.0MHz			
	LTE Band 12	Channel Bandwidth 1.4MHz	699.7MHz ~ 715.3MHz			
		Channel Bandwidth 3MHz	700.5MHz ~ 714.5MHz			
		Channel Bandwidth 5MHz	701.5MHz ~ 713.5MHz			
		Channel Bandwidth 10MHz	704.0MHz ~ 711.0MHz			
	LTE Band 13	Channel Bandwidth 5MHz	779.5MHz ~ 784.5MHz			
		Channel Bandwidth 10MHz	782.0MHz			
Max. ERP Power (Internal Antenna)			QPSK	16QAM	64QAM	256QAM
	LTE Band 5	Channel Bandwidth 1.4MHz	88.308mW (19.46dBm)	71.779mW (18.56dBm)	63.973mW (18.06dBm)	46.345mW (16.66dBm)
		Channel Bandwidth 3MHz	86.298mW (19.36dBm)	69.502mW (18.42dBm)	62.951mW (17.99dBm)	45.604mW (16.59dBm)
		Channel Bandwidth 5MHz	86.298mW (19.36dBm)	73.790mW (18.68dBm)	67.298mW (18.28dBm)	48.753mW (16.88dBm)
		Channel Bandwidth 10MHz	90.365mW (19.56dBm)	70.146mW (18.46dBm)	62.517mW (17.96dBm)	44.259mW (16.46dBm)
	LTE Band 12	Channel Bandwidth 1.4MHz	199.526mW (23.0dBm)	154.882mW (21.9dBm)	138.038mW (21.4dBm)	95.499mW (19.8dBm)
		Channel Bandwidth 3MHz	199.526mW (23.0dBm)	158.489mW (22.0dBm)	141.254mW (21.5dBm)	93.325mW (19.7dBm)
		Channel Bandwidth 5MHz	190.546mW (22.8dBm)	154.882mW (21.9dBm)	134.896mW (21.3dBm)	97.724mW (19.9dBm)
		Channel Bandwidth 10MHz	199.526mW (23.0dBm)	162.181mW (22.1dBm)	147.911mW (21.7dBm)	104.713mW (20.2dBm)
	LTE Band 13	Channel Bandwidth 5MHz	138.038mW (21.4dBm)	107.152mW (20.3dBm)	102.329mW (20.1dBm)	72.444mW (18.6dBm)
		Channel Bandwidth 10MHz	144.544mW (21.6dBm)	114.815mW (20.6dBm)	100.000mW (20.0dBm)	72.444mW (18.6dBm)
Max. EIRP Power (Internal Antenna)	LTE Band 2	Channel Bandwidth 1.4MHz	109.648mW (20.4dBm)	89.125mW (19.5dBm)	77.625mW (18.9dBm)	53.703mW (17.3dBm)
		Channel Bandwidth 3MHz	109.648mW (20.4dBm)	85.114mW (19.3dBm)	74.131mW (18.7dBm)	52.481mW (17.2dBm)
		Channel Bandwidth 5MHz	109.648mW (20.4dBm)	87.096mW (19.4dBm)	75.858mW (18.8dBm)	54.954mW (17.4dBm)
		Channel Bandwidth 10MHz	107.152mW (20.3dBm)	79.433mW (19.0dBm)	72.444mW (18.6dBm)	50.119mW (17.0dBm)
		Channel Bandwidth 15MHz	107.152mW (20.3dBm)	83.176mW (19.2dBm)	72.444mW (18.6dBm)	51.286mW (17.1dBm)
		Channel Bandwidth 20MHz	112.202mW (20.5dBm)	83.176mW (19.2dBm)	72.444mW (18.6dBm)	52.481mW (17.2dBm)

Max. EIRP Power (Internal Antenna)	LTE Band 7	Channel Bandwidth 5MHz	125.893mW (21.00dBm)	104.713mW (20.20dBm)	95.499mW (19.80dBm)	69.183mW (18.40dBm)
		Channel Bandwidth 10MHz	131.826mW (21.20dBm)	107.152mW (20.30dBm)	97.724mW (19.90dBm)	70.795mW (18.50dBm)
		Channel Bandwidth 15MHz	128.825mW (21.10dBm)	104.713mW (20.20dBm)	95.499mW (19.80dBm)	66.069mW (18.20dBm)
		Channel Bandwidth 20MHz	138.038mW (21.40dBm)	109.648mW (20.40dBm)	97.724mW (19.90dBm)	70.795mW (18.50dBm)
Max. ERP Power (External Antenna)			QPSK	16QAM	64QAM	256QAM
	LTE Band 5	Channel Bandwidth 1.4MHz	91.201mW (19.60dBm)	70.958mW (18.51dBm)	64.714mW (18.11dBm)	45.814mW (16.61dBm)
		Channel Bandwidth 3MHz	87.498mW (19.42dBm)	71.779mW (18.56dBm)	62.517mW (17.96dBm)	44.259mW (16.46dBm)
		Channel Bandwidth 5MHz	88.308mW (19.46dBm)	70.146mW (18.46dBm)	63.973mW (18.06dBm)	45.290mW (16.56dBm)
		Channel Bandwidth 10MHz	91.201mW (19.60dBm)	73.451mW (18.66dBm)	66.988mW (18.26dBm)	46.345mW (16.66dBm)
	LTE Band 12	Channel Bandwidth 1.4MHz	72.444mW (18.60dBm)	57.544mW (17.60dBm)	51.404mW (17.11dBm)	40.832mW (16.11dBm)
		Channel Bandwidth 3MHz	75.336mW (18.77dBm)	59.841mW (17.77dBm)	53.333mW (17.27dBm)	42.364mW (16.27dBm)
		Channel Bandwidth 5MHz	73.451mW (18.66dBm)	58.345mW (17.66dBm)	51.761mW (17.14dBm)	40.738mW (16.10dBm)
		Channel Bandwidth 10MHz	75.858mW (18.80dBm)	59.566mW (17.75dBm)	53.088mW (17.25dBm)	42.170mW (16.25dBm)
	LTE Band 13	Channel Bandwidth 5MHz	77.804mW (18.91dBm)	61.802mW (17.91dBm)	53.827mW (17.31dBm)	42.756mW (16.31dBm)
		Channel Bandwidth 10MHz	79.616mW (19.01dBm)	63.241mW (18.01dBm)	55.081mW (17.41dBm)	43.752mW (16.41dBm)
Max. EIRP Power (External Antenna)	LTE Band 2	Channel Bandwidth 1.4MHz	60.256mW (17.8dBm)	48.978mW (16.9dBm)	42.658mW (16.3dBm)	29.512mW (14.7dBm)
		Channel Bandwidth 3MHz	61.660mW (17.9dBm)	51.286mW (17.1dBm)	45.709mW (16.6dBm)	33.113mW (15.2dBm)
		Channel Bandwidth 5MHz	58.884mW (17.7dBm)	46.774mW (16.7dBm)	42.658mW (16.3dBm)	30.200mW (14.8dBm)
		Channel Bandwidth 10MHz	58.884mW (17.7dBm)	46.774mW (16.7dBm)	41.687mW (16.2dBm)	29.512mW (14.7dBm)
		Channel Bandwidth 15MHz	61.660mW (17.9dBm)	48.978mW (16.9dBm)	43.652mW (16.4dBm)	30.903mW (14.9dBm)
		Channel Bandwidth 20MHz	63.096mW (18.0dBm)	48.978mW (16.9dBm)	44.668mW (16.5dBm)	31.623mW (15.0dBm)
	LTE Band 7	Channel Bandwidth 5MHz	87.096mW (19.4dBm)	70.795mW (18.5dBm)	61.660mW (17.90dBm)	42.658mW (16.3dBm)
		Channel Bandwidth 10MHz	89.125mW (19.5dBm)	72.444mW (18.6dBm)	66.069mW (18.20dBm)	47.863mW (16.8dBm)
		Channel Bandwidth 15MHz	89.125mW (19.5dBm)	74.131mW (18.7dBm)	66.069mW (18.20dBm)	47.863mW (16.8dBm)
		Channel Bandwidth 20MHz	91.201mW (19.6dBm)	74.131mW (18.7dBm)	66.069mW (18.20dBm)	45.709mW (16.6dBm)

			QPSK	16QAM	64QAM	256QAM
Emission Designator	LTE Band 2	Channel Bandwidth 1.4MHz	1M09G7D	1M09D7W	1M09D7W	1M09D7W
		Channel Bandwidth 3MHz	2M70G7D	2M69D7W	2M70D7W	2M70D7W
		Channel Bandwidth 5MHz	4M48G7D	4M49D7W	4M50D7W	4M49D7W
		Channel Bandwidth 10MHz	8M96G7D	8M96D7W	8M96D7W	8M95D7W
		Channel Bandwidth 15MHz	13M5G7D	13M4D7W	13M4D7W	13M4D7W
		Channel Bandwidth 20MHz	17M9G7D	17M9D7W	17M9D7W	17M9D7W
	LTE Band 5	Channel Bandwidth 1.4MHz	1M09G7D	1M09D7W	1M09D7W	1M09D7W
		Channel Bandwidth 3MHz	2M70G7D	2M70D7W	2M70D7W	2M70D7W
		Channel Bandwidth 5MHz	4M49G7D	4M49D7W	4M50D7W	4M49D7W
		Channel Bandwidth 10MHz	8M95G7D	8M95D7W	8M96D7W	8M95D7W
	LTE Band 7	Channel Bandwidth 5MHz	4M49G7D	4M49D7W	4M50D7W	4M49D7W
		Channel Bandwidth 10MHz	8M95G7D	8M96D7W	8M96D7W	8M95D7W
		Channel Bandwidth 15MHz	13M5G7D	13M4D7W	13M4D7W	13M5D7W
		Channel Bandwidth 20MHz	17M9G7D	18M0D7W	17M9D7W	17M9D7W
	LTE Band 12	Channel Bandwidth 1.4MHz	1M09G7D	1M09D7W	1M09D7W	1M09D7W
		Channel Bandwidth 3MHz	2M70G7D	2M69D7W	2M70D7W	2M70D7W
		Channel Bandwidth 5MHz	4M49G7D	4M49D7W	4M49D7W	4M49D7W
		Channel Bandwidth 10MHz	8M96G7D	8M96D7W	8M97D7W	8M96D7W
	LTE Band 13	Channel Bandwidth 5MHz	4M49G7D	4M49D7W	4M50D7W	4M49D7W
		Channel Bandwidth 10MHz	8M94G7D	8M95D7W	8M94D7W	8M94D7W
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)					

Output Power / Emission Designator	n66+LTE Band 2 (Internal Antenna)		Maximum EIRP	Sum Bandwidth
		n66	147.911mW(21.7dBm)	56M4G7D
		LTE Band 2 (EIRP)	112.202mW(20.5dBm)	
			EIRP	MAX Sum Bandwidth
		n66	91.201mW(19.6dBm)	56M6G7D
		LTE Band 2 (EIRP)	112.202mW(20.5dBm)	
	n66+LTE Band 2 (External Antenna)		Maximum EIRP	Sum Bandwidth
		n66	177.828mW(22.5dBm)	56M4G7D
		LTE Band 2 (EIRP)	63.096mW(18.0dBm)	
			EIRP	MAX Sum Bandwidth
		n66	117.490mW(20.7dBm)	56M6G7D
		LTE Band 2 (EIRP)	63.096mW(18.0dBm)	
	n66+LTE Band 5 (Internal Antenna)		Maximum EIRP / ERP	Sum Bandwidth
		n66	147.911mW(21.7dBm)	47M4G7D
		LTE Band 5 (ERP)	90.365mW(19.56dBm)	
			EIRP / ERP	MAX Sum Bandwidth
		n66	91.201mW(19.60dBm)	47M6G7D
		LTE Band 5 (ERP)	62.517mW(17.96dBm)	
	n66+LTE Band 5 (External Antenna)		Maximum EIRP / ERP	Sum Bandwidth
		n66	177.828mW(22.5dBm)	47M4G7D
		LTE Band 5 (ERP)	91.201mW(19.60dBm)	
			EIRP / ERP	MAX Sum Bandwidth
		n66	117.490mW(20.7dBm)	47M6G7D
		LTE Band 5 (ERP)	66.988mW(18.26dBm)	
	n66+LTE Band 7 (Internal Antenna)		Maximum EIRP	Sum Bandwidth
		n66	147.911mW(21.7dBm)	56M3G7D
		LTE Band 7 (EIRP)	138.038mW(21.40dBm)	
			EIRP	MAX Sum Bandwidth
		n66	91.201mW(19.6dBm)	56M5G7D
		LTE Band 7 (EIRP)	138.038mW(21.40dBm)	
	n66+LTE Band 7 (External Antenna)		Maximum EIRP	Sum Bandwidth
		n66	177.828mW(22.5dBm)	56M3G7D
		LTE Band 7 (EIRP)	91.201mW(19.6dBm)	
			EIRP	MAX Sum Bandwidth
		n66	117.490mW(20.7dBm)	56M5G7D
		LTE Band 7 (EIRP)	91.201mW(19.6dBm)	

	n66+LTE Band 12 (Internal Antenna)		Maximum EIRP / ERP	Sum Bandwidth
		n66	147.911mW(21.7dBm)	47M4G7D
		LTE Band 12 (ERP)	199.526mW(23.0dBm)	
			EIRP / ERP	MAX Sum Bandwidth
		n66	91.201mW(19.6dBm)	47M6D7W
		LTE Band 12 (ERP)	147.911mW(21.7dBm)	
	n66+LTE Band 12 (External Antenna)		Maximum EIRP / ERP	Sum Bandwidth
		n66	177.828mW(22.5dBm)	47M4G7D
		LTE Band 12 (ERP)	75.858mW(18.80dBm)	
			EIRP / ERP	MAX Sum Bandwidth
		n66	117.490mW(20.7dBm)	47M6G7D
		LTE Band 12 (ERP)	53.088mW(17.25dBm)	
	n66+LTE Band 13 (Internal Antenna)		Maximum EIRP / ERP	Sum Bandwidth
		n66	147.911mW(21.7dBm)	47M4G7D
		LTE Band 13 (ERP)	144.544mW(21.6dBm)	
			EIRP / ERP	MAX Sum Bandwidth
		n66	91.201mW(19.6dBm)	47M6G7D
		LTE Band 13 (ERP)	144.544mW(21.6dBm)	
	n66+LTE Band 13 (External Antenna)		Maximum EIRP / ERP	Sum Bandwidth
		n66	177.828mW(22.5dBm)	47M4G7D
		LTE Band 13 (ERP)	79.616mW(19.01dBm)	
			EIRP / ERP	MAX Sum Bandwidth
		n66	117.490mW(20.7dBm)	47M6G7D
		LTE Band 13 (ERP)	79.616mW(19.01dBm)	

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	B48	B66	B71	B77	B78
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	-	-	-	3.84	0.34	-	3.90	3.90

External Antenna

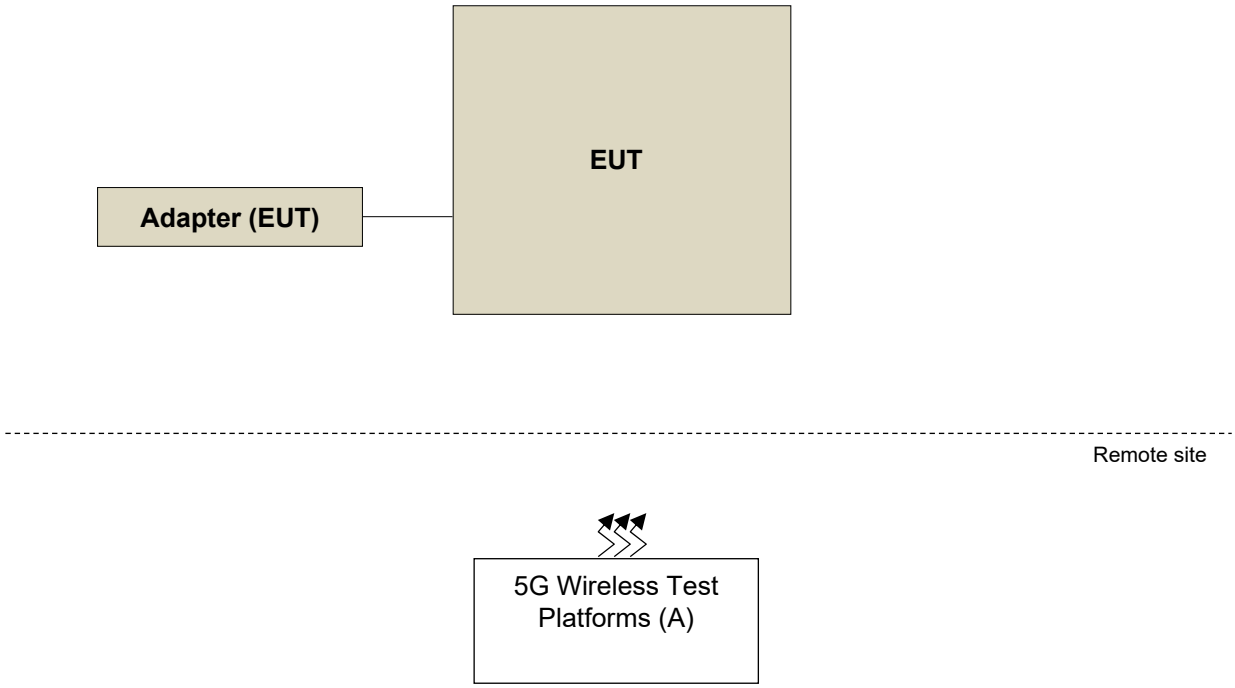
No.	Type	Connector	Gain (dBi)												
			B2	B4	B5	B7	B12	B13	B17	B25	B30	B38	B41	B66	B71
1	Monopole	TS-9 plugs	0.48	0.48	0.54	0.24	0.54	0.54	0.54	0.48	0.24	0.24	0.24	0.48	0.54
2	Monopole	TS-9 plugs	0.25	0.25	0.48	0.28	0.48	0.48	0.48	0.25	0.28	0.28	0.28	0.25	0.48

* 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. The EUT supports the following ENDC configuration.

	FCC 5G FR1			ENDC
	Band	SCS	Bandwidth (MHz)	
5GNR	n5	15kHz	5/10/15/20	Band 2/66
	n25	15kHz	5/10/15/20	Band 12/66
	n66	15kHz	5/10/15/20/30/40	Band 2/5/7/12/13
	n71	15kHz	5/10/15/20	Band 2/7/66

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.	5G Wireless Test Platforms	Keysight	E7515B	MY58300759	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 on Z-plane. Following channel(s) was (were) selected for the final test as listed below.

n66

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	342500 to 355500	342500 (1712.5MHz), 349000 (1745.0MHz), 355500 (1777.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		343000 to 355000	343000 (1715.0MHz), 349000 (1745.0MHz), 355000 (1775.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 50 RB Offset
		343500 to 354500	343500 (1717.5MHz), 349000 (1745.0MHz), 354500 (1772.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		344000 to 354000	344000 (1720.0MHz), 349000 (1745.0MHz), 354000 (1770.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		344000 to 354000	345000 (1725.0MHz), 349000 (1745.0MHz), 353000 (1765.0MHz)	30MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		344000 to 354000	346000 (1730.0MHz), 349000 (1745.0MHz), 352000 (1760.0MHz)	40MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Modulation Characteristics	344000 to 354000	349000 (1745.0MHz)	40MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	216 RB / 0 RB Offset
-	Frequency Stability	342500 to 355500	342500 (1712.5MHz), 355500 (1777.5MHz)	5MHz	$\pi/2$ BPSK	25 RB / 0 RB Offset
		343000 to 355000	343000 (1715.0MHz), 355000 (1775.0MHz)	10MHz	$\pi/2$ BPSK	52 RB / 0 RB Offset
		343500 to 354500	343500 (1717.5MHz), 354500 (1772.5MHz)	15MHz	$\pi/2$ BPSK	79 RB / 0 RB Offset
		344000 to 354000	344000 (1720.0MHz), 354000 (1770.0MHz)	20MHz	$\pi/2$ BPSK	106 RB / 0 RB Offset
		344000 to 354000	345000 (1725.0MHz), 353000 (1765.0MHz)	30MHz	$\pi/2$ BPSK	106 RB / 0 RB Offset
		344000 to 354000	346000 (1730.0MHz), 352000 (1760.0MHz)	40MHz	$\pi/2$ BPSK	216 RB / 0 RB Offset

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Emission Bandwidth	342500 to 355500	342500 (1712.5MHz), 349000 (1745.0MHz), 355500 (1777.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		343000 to 355000	343000 (1715.0MHz), 349000 (1745.0MHz), 355000 (1775.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	52 RB / 0 RB Offset
		343500 to 354500	343500 (1717.5MHz), 349000 (1745.0MHz), 354500 (1772.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	79 RB / 0 RB Offset
		344000 to 354000	344000 (1720.0MHz), 349000 (1745.0MHz), 354000 (1770.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	106 RB / 0 RB Offset
		344000 to 354000	345000 (1725.0MHz), 349000 (1745.0MHz), 353000 (1765.0MHz)	30MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	160 RB / 0 RB Offset
		344000 to 354000	346000 (1730.0MHz), 349000 (1745.0MHz), 352000 (1760.0MHz)	40MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	216 RB / 0 RB Offset
-	Band Edge	342500 to 355500	342500 (1712.5MHz), 355500 (1777.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		343000 to 355000	343000 (1715.0MHz), 355000 (1775.0MHz)	10MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 51 RB Offset 52 RB / 0 RB Offset
		343500 to 354500	343500 (1717.5MHz), 354500 (1772.5MHz)	15MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 78 RB Offset 79 RB / 0 RB Offset
		344000 to 354000	344000 (1720.0MHz), 354000 (1770.0MHz)	20MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 105 RB Offset 106 RB / 0 RB Offset
		344000 to 354000	345000 (1725.0MHz), 349000 (1745.0MHz), 353000 (1765.0MHz)	30MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 159 RB Offset 160 RB / 0 RB Offset
		344000 to 354000	346000 (1730.0MHz), 349000 (1745.0MHz), 352000 (1760.0MHz)	40MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 215 RB Offset 216 RB / 0 RB Offset

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Peak to Average Ratio	342500 to 355500	342500 (1712.5MHz), 349000 (1745.0MHz), 355500 (1777.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		343000 to 355000	343000 (1715.0MHz), 349000 (1745.0MHz), 355000 (1775.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		343500 to 354500	343500 (1717.5MHz), 349000 (1745.0MHz), 354500 (1772.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		344000 to 354000	344000 (1720.0MHz), 349000 (1745.0MHz), 354000 (1770.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		344000 to 354000	345000 (1725.0MHz), 349000 (1745.0MHz), 353000 (1765.0MHz)	30MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		344000 to 354000	346000 (1730.0MHz), 349000 (1745.0MHz), 352000 (1760.0MHz)	40MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Conducted Emission	342500 to 355500	342500 (1712.5MHz), 349000 (1745.0MHz), 355500 (1777.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		343000 to 355000	343000 (1715.0MHz), 349000 (1745.0MHz), 355000 (1775.0MHz)	10MHz	$\pi/2$ BPSK	1 RB / 50 RB Offset
		343500 to 354500	343500 (1717.5MHz), 349000 (1745.0MHz), 354500 (1772.5MHz)	15MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		344000 to 354000	344000 (1720.0MHz), 349000 (1745.0MHz), 354000 (1770.0MHz)	20MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		344000 to 354000	345000 (1725.0MHz), 349000 (1745.0MHz), 353000 (1765.0MHz)	30MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		344000 to 354000	346000 (1730.0MHz), 349000 (1745.0MHz), 352000 (1760.0MHz)	40MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
-	Radiated Emission Below 1GHz	344000 to 354000	349000 (1745.0MHz)	20MHz, 40MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
-	Radiated Emission Above 1GHz	342500 to 355500	342500 (1712.5MHz), 349000 (1745.0MHz), 355500 (1777.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		344000 to 354000	344000 (1720.0MHz), 349000 (1745.0MHz), 354000 (1770.0MHz)	20MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		344000 to 354000	346000 (1730.0MHz), 349000 (1745.0MHz), 352000 (1760.0MHz)	40MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset

Note:

1. The output power for $\pi/2$ BPSK, QPSK, 16QAM, 64QAM and 256QAM, measured value of $\pi/2$ BPSK is higher than QPSK, 16QAM, 64QAM and 256QAM mode. Therefore, only EIRP, Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under $\pi/2$ BPSK, QPSK, 16QAM, 64QAM and 256QAM modes, the other test items were performed under $\pi/2$ BPSK mode only.
2. For radiated emission, according to 3GPP 38.521-1 Section 6.5.3.1.4, choose the lowest, middlest & highest channel bandwidth for final test.
3. For radiated emissions below 1 GHz, select the worst radiated emission channel (above 1GHz) for final testing.

LTE Band 2

EUT Configure Mode	Test item	Available channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	18607 to 19193	18607 (1850.70MHz), 18900 (1880.00MHz), 19193 (1909.30MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18615 to 19185	18615 (1851.50MHz), 18900 (1880.00MHz), 19185 (1908.50MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.50MHz), 18900 (1880.00MHz), 19175 (1907.50MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18650 to 19150	18650 (1855.00MHz), 18900 (1880.00MHz), 19150 (1905.00MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18675 to 19125	18675 (1857.50MHz), 18900 (1880.00MHz), 19125 (1902.50MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.00MHz), 18900 (1880.00MHz), 19100 (1900.00MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	18700 to 19100	18900 (1880.00MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Frequency Stability	18607 to 19193	18607 (1850.70MHz), 19193 (1909.30MHz)	1.4MHz	QPSK	6 RB / 0 RB Offset
		18615 to 19185	18615 (1851.50MHz), 19185 (1908.50MHz)	3MHz	QPSK	15 RB / 0 RB Offset
		18625 to 19175	18625 (1852.50MHz), 19175 (1907.50MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		18650 to 19150	18650 (1855.00MHz), 19150 (1905.00MHz)	10MHz	QPSK	50 RB / 0 RB Offset
		18675 to 19125	18675 (1857.50MHz), 19125 (1902.50MHz)	15MHz	QPSK	75 RB / 0 RB Offset
		18700 to 19100	18700 (1860.00MHz), 19100 (1900.00MHz)	20MHz	QPSK	100 RB / 0 RB Offset
-	Occupied Bandwidth	18607 to 19193	18607 (1850.70MHz), 18900 (1880.00MHz), 19193 (1909.30MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	6 RB / 0RB Offset
		18615 to 19185	18615 (1851.50MHz), 18900 (1880.00MHz), 19185 (1908.50MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	15 RB / 0RB Offset
		18625 to 19175	18625 (1852.50MHz), 18900 (1880.00MHz), 19175 (1907.50MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25RB / 0RB Offset
		18650 to 19150	18650 (1855.00MHz), 18900 (1880.00MHz), 19150 (1905.00MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50RB / 0RB Offset
		18675 to 19125	18675 (1857.50MHz), 18900 (1880.00MHz), 19125 (1902.50MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		18700 to 19100	18700 (1860.00MHz), 18900 (1880.00MHz), 19100 (1900.00MHz)	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	18607 to 19193	18607 (1850.70MHz), 19193 (1909.30MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset 1 RB / 5 RB Offset 6 RB / 0 RB Offset
		18615 to 19185	18615 (1851.50MHz), 19185 (1908.50MHz)	3MHz	QPSK	1 RB / 0 RB Offset 1 RB / 14 RB Offset 15 RB / 0 RB Offset
		18625 to 19175	18625 (1852.50MHz), 19175 (1907.50MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		18650 to 19150	18650 (1855.00MHz), 19150 (1905.00MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		18675 to 19125	18675 (1857.50MHz), 19125 (1902.50MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		18700 to 19100	18700 (1860.00MHz), 19100 (1900.00MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak to Average Ratio	18607 to 19193	18607 (1850.70MHz), 18900 (1880.00MHz), 19193 (1909.30MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18615 to 19185	18615 (1851.50MHz), 18900 (1880.00MHz), 19185 (1908.50MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.50MHz), 18900 (1880.00MHz), 19175 (1907.50MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18650 to 19150	18650 (1855.00MHz), 18900 (1880.00MHz), 19150 (1905.00MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18675 to 19125	18675 (1857.50MHz), 18900 (1880.00MHz), 19125 (1902.50MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.00MHz), 18900 (1880.00MHz), 19100 (1900.00MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Conducted Emission	18607 to 19193	18607 (1850.70MHz), 18900 (1880.00MHz), 19193 (1909.30MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		18615 to 19185	18615 (1851.50MHz), 18900 (1880.00MHz), 19185 (1908.50MHz)	3MHz	QPSK	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.50MHz), 18900 (1880.00MHz), 19175 (1907.50MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		18650 to 19150	18650 (1855.00MHz), 18900 (1880.00MHz), 19150 (1905.00MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		18675 to 19125	18675 (1857.50MHz), 18900 (1880.00MHz), 19125 (1902.50MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.00MHz), 18900 (1880.00MHz), 19100 (1900.00MHz)	20MHz	QPSK	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Radiated Emission Below 1GHz	18700 to 19100	18900 (1880.00MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	18607 to 19193	18607 (1850.70MHz), 18900 (1880.00MHz), 19193 (1909.30MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.50MHz), 18900 (1880.00MHz), 19175 (1907.50MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.00MHz), 18900 (1880.00MHz), 19100 (1900.00MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. 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.
2. The conducted 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.
3. For radiated emissions below 1 GHz, select the worst radiated emission channel (above 1GHz) for final testing.

LTE Band 5

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	20407 to 20643	20407(824.7MHz), 20525(836.5MHz), 20643(848.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20415 to 20635	20415(825.5MHz), 20525(836.5MHz), 20635(847.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 14 RB Offset
		20425 to 20625	20425(826.5MHz), 20525(836.5MHz), 20625(846.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20450 to 20600	20450(829.0MHz), 20525(836.5MHz), 20600(844.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	20450 to 20600	20525(836.5MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
-	Frequency Stability	20407 to 20643	20407(824.7MHz), 20643(848.3MHz)	1.4MHz	QPSK	6 RB / 0 RB Offset
		20415 to 20635	20415(825.5MHz), 20635(847.5MHz)	3MHz	QPSK	15 RB / 0 RB Offset
		20425 to 20625	20425(826.5MHz), 20625(846.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		20450 to 20600	20450(829.0MHz), 20600(844.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
-	Occupied Bandwidth	20407 to 20643	20407(824.7MHz), 20525(836.5MHz), 20643(848.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	6 RB / 0RB Offset
		20415 to 20635	20415(825.5MHz), 20525(836.5MHz), 20635(847.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	15 RB / 0RB Offset
		20425 to 20625	20425(826.5MHz), 20525(836.5MHz), 20625(846.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25RB / 0RB Offset
		20450 to 20600	20450(829.0MHz), 20525(836.5MHz), 20600(844.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50RB / 0RB Offset
-	Band Edge	20407 to 20643	20407(824.7MHz), 20643(848.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset 1 RB / 5 RB Offset 6 RB / 0 RB Offset
		20415 to 20635	20415(825.5MHz), 20635(847.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset 1 RB / 14 RB Offset 15 RB / 0 RB Offset
		20425 to 20625	20425(826.5MHz), 20625(846.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		20450 to 20600	20450(829.0MHz), 20600(844.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Peak to Average Ratio	20407 to 20643	20407(824.7MHz), 20525(836.5MHz), 20643(848.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20415 to 20635	20415(825.5MHz), 20525(836.5MHz), 20635(847.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 14 RB Offset
		20425 to 20625	20425(826.5MHz), 20525(836.5MHz), 20625(846.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20450 to 20600	20450(829.0MHz), 20525(836.5MHz), 20600(844.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Conducted Emission	20407 to 20643	20407(824.7MHz), 20525(836.5MHz), 20643(848.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		20415 to 20635	20415(825.5MHz), 20525(836.5MHz), 20635(847.5MHz)	3MHz	QPSK	1 RB / 14 RB Offset
		20425 to 20625	20425(826.5MHz), 20525(836.5MHz), 20625(846.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		20450 to 20600	20450(829.0MHz), 20525(836.5MHz), 20600(844.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	20450 to 20600	20525(836.5MHz)	10MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	20407 to 20643	20407(824.7MHz), 20525(836.5MHz), 20643(848.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		20425 to 20625	20425(826.5MHz), 20525(836.5MHz), 20625(846.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		20450 to 20600	20450(829.0MHz), 20525(836.5MHz), 20600(844.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset

Note:

1. 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.
2. The conducted 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.
3. For radiated emissions below 1 GHz, select the worst radiated emission channel (above 1GHz) for final testing.

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)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21100 (2535.0MHz), 21400 (2565.0MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21100 (2535.0MHz), 21375 (2562.5MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	20850 to 21350	21100 (2535.0MHz)	20 MHz	QPSK	100 RB / 0 RB Offset
-	Frequency Stability	20775 to 21425	20775 (2502.5MHz), 21425 (2567.5MHz)	5 MHz	QPSK	25 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21400 (2565.0MHz)	10 MHz	QPSK	50 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21375 (2562.5MHz)	15 MHz	QPSK	75 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21350 (2560.0MHz)	20 MHz	QPSK	100 RB / 0 RB Offset
-	Emission Bandwidth	20775 to 21425	20775 (2502.5MHz), 21100 (2535.0MHz), 21425 (2567.5MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21100 (2535.0MHz), 21400 (2565.0MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	50 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21100 (2535.0MHz), 21375 (2562.5MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Channel Edge	20775 to 21425	20775 (2502.5MHz), 21425 (2567.5MHz)	5 MHz	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)	10 MHz	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)	15 MHz	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)	20 MHz	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)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21100 (2535.0MHz), 21400 (2565.0MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21100 (2535.0MHz), 21375 (2562.5MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20 MHz	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)	5 MHz	QPSK	1 RB / 0 RB Offset
		20800 to 21400	20800 (2505.0MHz), 21100 (2535.0MHz), 21400 (2565.0MHz)	10 MHz	QPSK	1 RB / 0 RB Offset
		20825 to 21375	20825 (2507.5MHz), 21100 (2535.0MHz), 21375 (2562.5MHz)	15 MHz	QPSK	1 RB / 0 RB Offset
		20850 to 21350	20850 (2510.0MHz), 21100 (2535.0MHz), 21350 (2560.0MHz)	20 MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Below 1GHz	20850 to 21350	21100 (2535.0MHz)	20 MHz	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 above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
2. The conducted 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.
3. For radiated emissions below 1 GHz, select the worst radiated emission channel (above 1GHz) for final testing.

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(707.5 MHz), 23130(711.0 MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	23060 to 23130	23095(707.5 MHz)	10MHz	QPSK	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)	1.4MHz	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 above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the lowest, 5MHz & highest channel bandwidth for final test.
2. The conducted 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.
3. For radiated emissions below 1 GHz, select the worst radiated emission channel (above 1GHz) for final testing.

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	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	23205 to 23255	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 above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the 5MHz & highest channel bandwidth for final test.
2. The conducted 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.
3. For radiated emissions below 1 GHz, select the worst radiated emission channel (above 1GHz) for final testing.

Test Condition:

Test Item	Environmental Conditions	Input Power (system)	Tested By
ERP / EIRP	22deg. C, 66%RH 23deg. C, 67%RH	120Vac, 60Hz	Han Wu, Adair Peng
Modulation Characteristics	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu, Willy Cheng, Wayne Lin
Frequency Stability	22deg. C, 66%RH	3.85Vdc	Gavin Wu, Willy Cheng, Wayne Lin
Occupied Bandwidth	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu, Willy Cheng, Wayne Lin
Band Edge	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu, Willy Cheng, Wayne Lin
Peak To Average Ratio	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu, Willy Cheng, Wayne Lin
Conducted Emission	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu, Willy Cheng, Wayne Lin
Radiated Emission	22deg. C, 66%RH 23deg. C, 67%RH	120Vac, 60Hz	Han Wu, Adair Peng

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 22

FCC 47 CFR Part 24

FCC 47 CFR Part 27

ANSI/TIA/EIA-603-D-2010

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

References Test Guidance:

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 971168 D02 Misc Rev Approv License Devices v02r01

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 n66:
Mobile / Portable station are limited to 1 watts e.i.r.p.

For LTE Band 2:
Mobile / Portable station are limited to 2 watts e.i.r.p.

For LTE Band 5:
Mobile / Portable station are limited to 7 watts e.r.p.

For LTE Band 7:
For mobile subscriber equipment, the e.i.r.p. shall not exceed 2 W. For fixed subscriber equipment, the transmitter output power shall not exceed 2 W and the e.i.r.p. shall be limited to 40 W.

For LTE Band 12, LTE Band 13:
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.

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.

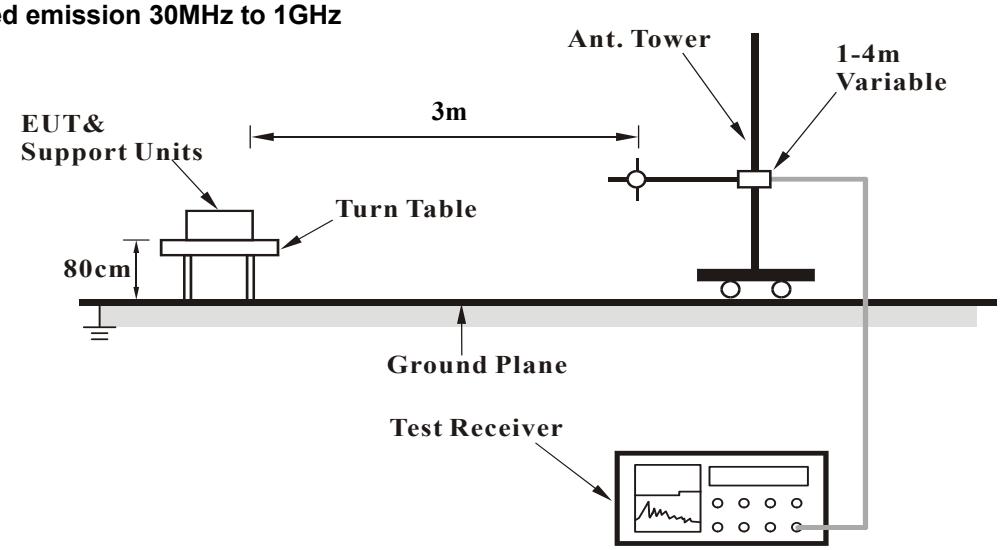
Conducted Power Measurement:

The EUT was set up for the maximum power with 5GNR, 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.

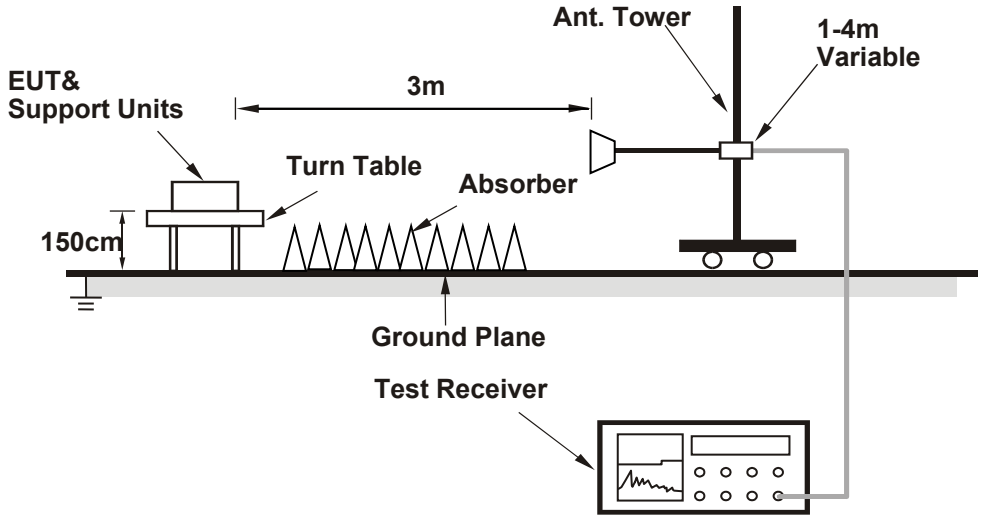
4.1.3 Test Setup

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 power is mainly tested in radiated mode.

Conducted Output Power (dBm)

5GNR n66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		342500	349000	355500
		Frequency (MHz)		1712.5	1745	1777.5
5M	DFT-S PI/2 BPSK	1	1	23.33	23.74	23.78
		1	13	23.34	23.75	23.79
		1	23	23.45	23.86	23.90
		12	0	22.83	23.24	23.28
		12	6	23.44	23.85	23.89
		12	13	22.94	23.35	23.39
		25	0	22.86	23.27	23.31
5M	DFT-S QPSK	1	1	23.50	23.91	23.95
		1	13	23.39	23.80	23.84
		1	23	23.48	23.89	23.93
		12	0	22.31	22.72	22.76
		12	6	23.42	23.83	23.90
		12	13	22.41	22.82	22.86
		25	0	22.30	22.71	22.75
5M	DFT-S 16QAM	1	1	22.26	22.67	22.71
5M	DFT-S 64QAM	1	1	20.57	20.98	21.02
5M	DFT-S 256QAM	1	1	18.14	18.55	18.59

5GNR n66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343000	349000	355000
		Frequency (MHz)		1715	1745	1775
10M	DFT-S PI/2 BPSK	1	1	23.35	23.76	23.80
		1	26	23.36	23.77	23.81
		1	50	23.47	23.88	23.92
		25	0	22.85	23.26	23.30
		25	12	23.46	23.87	23.91
		25	26	22.96	23.37	23.41
		50	0	22.88	23.29	23.33
10M	DFT-S QPSK	1	1	23.52	23.93	23.97
		1	26	23.41	23.82	23.86
		1	50	23.50	23.91	23.95
		25	0	22.33	22.74	22.78
		25	12	23.44	23.85	23.91
		25	26	22.43	22.84	22.88
		50	0	22.32	22.73	22.77
10M	DFT-S 16QAM	1	1	22.28	22.69	22.73
10M	DFT-S 64QAM	1	1	20.59	21.00	21.04
10M	DFT-S 256QAM	1	1	18.16	18.57	18.61

5GNR n66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		343500	349000	354500
		Frequency (MHz)		1717.5	1745	1772.5
15M	DFT-S PI/2 BPSK	1	1	23.34	23.75	23.79
		1	40	23.35	23.76	23.80
		1	77	23.46	23.87	23.91
		36	0	22.84	23.25	23.29
		36	18	23.45	23.86	23.90
		36	40	22.95	23.36	23.40
		75	0	22.87	23.28	23.32
15M	DFT-S QPSK	1	1	23.51	23.92	23.96
		1	40	23.40	23.81	23.85
		1	77	23.49	23.90	23.94
		36	0	22.32	22.73	22.77
		36	18	23.43	23.84	23.92
		36	40	22.42	22.83	22.87
		75	0	22.31	22.72	22.76
15M	DFT-S 16QAM	1	1	22.27	22.68	22.72
15M	DFT-S 64QAM	1	1	20.58	20.99	21.03
15M	DFT-S 256QAM	1	1	18.15	18.56	18.60

5GNR n66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		344000	349000	354000
		Frequency (MHz)		1720	1745	1770
20M	DFT-S PI/2 BPSK	1	1	23.36	23.77	23.81
		1	53	23.37	23.78	23.82
		1	104	23.48	23.89	23.93
		50	0	22.86	23.27	23.31
		50	25	23.47	23.88	23.92
		50	53	22.97	23.38	23.42
		100	0	22.89	23.30	23.34
20M	DFT-S QPSK	1	1	23.53	23.94	23.98
		1	53	23.42	23.83	23.87
		1	104	23.51	23.92	23.96
		50	0	22.34	22.75	22.79
		50	25	23.45	23.86	23.95
		50	53	22.44	22.85	22.89
		100	0	22.33	22.74	22.78
20M	DFT-S 16QAM	1	1	22.29	22.70	22.74
20M	DFT-S 64QAM	1	1	20.60	21.01	21.05
20M	DFT-S 256QAM	1	1	18.17	18.58	18.62

5GNR n66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		345000	349000	353000
		Frequency (MHz)		1725	1745	1765
30M	DFT-S PI/2 BPSK	1	1	23.55	23.76	23.93
		1	53	23.54	23.75	23.92
		1	104	23.56	23.77	23.94
		50	0	23.07	23.28	23.45
		50	25	23.57	23.78	23.95
		50	53	23.08	23.29	23.46
		100	0	23.09	23.30	23.47
30M	DFT-S QPSK	1	1	23.59	23.80	23.97
		1	53	23.58	23.79	23.96
		1	104	23.56	23.77	23.94
		50	0	22.57	22.78	22.95
		50	25	23.58	23.88	23.96
		50	53	22.55	22.76	22.93
		100	0	22.57	22.78	22.95
30M	DFT-S 16QAM	1	1	22.53	22.74	22.91
30M	DFT-S 64QAM	1	1	20.86	21.07	21.24
30M	DFT-S 256QAM	1	1	18.55	18.76	18.93

5GNR n66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		346000	349000	352000
		Frequency (MHz)		1730	1745	1760
40M	DFT-S PI/2 BPSK	1	1	23.57	23.78	23.95
		1	108	23.56	23.77	23.94
		1	214	23.58	23.79	23.96
		108	0	23.09	23.30	23.47
		108	54	23.59	23.80	23.97
		108	108	23.10	23.31	23.48
		216	0	23.11	23.32	23.49
40M	DFT-S QPSK	1	1	23.61	23.82	23.99
		1	108	23.60	23.81	23.98
		1	214	23.58	23.79	23.96
		108	0	22.59	22.80	22.97
		108	54	23.45	23.86	23.98
		108	108	22.57	22.78	22.95
		216	0	22.59	22.80	22.97
40M	DFT-S 16QAM	1	1	22.55	22.76	22.93
40M	DFT-S 64QAM	1	1	20.88	21.09	21.26
40M	DFT-S 256QAM	1	1	18.57	18.78	18.95

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18607	18900	19193
		Frequency (MHz)		1850.7	1880	1909.3
1.4M	QPSK	1	0	20.93	**21.56**	21.00
		1	2	20.76	21.43	20.91
		1	5	20.54	21.26	20.61
		3	0	20.94	**21.56**	20.98
		3	1	20.79	21.42	20.91
		3	3	20.55	21.28	20.63
		6	0	19.67	20.48	19.75
	16QAM	1	0	19.88	20.53	19.91
		1	2	19.69	20.37	19.87
		1	5	19.53	20.23	19.57
		3	0	19.92	**20.54**	19.92
		3	1	19.71	20.41	19.83
		3	3	19.53	20.27	19.61
		6	0	18.57	19.42	18.72
	64QAM	1	0	18.86	**19.51**	18.88
		1	2	18.63	19.32	18.86
		1	5	18.49	19.22	18.55
		3	0	18.88	19.48	18.87
		3	1	18.62	19.40	18.80
		3	3	18.44	19.21	18.54
		6	0	17.47	18.40	17.62
	256QAM	1	0	17.79	**18.48**	17.81
		1	2	17.57	18.23	17.82
		1	5	17.46	18.18	17.53
		3	0	17.80	18.40	17.79
		3	1	17.58	18.35	17.79
		3	3	17.35	18.14	17.51
		6	0	16.41	17.37	16.53

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18615	18900	19185
		Frequency (MHz)		1851.5	1880	1908.5
3M	QPSK	1	0	20.98	**21.57**	20.97
		1	7	20.83	21.43	20.89
		1	14	20.72	21.23	20.64
		8	0	19.88	20.49	19.91
		8	3	19.64	20.30	19.65
		8	7	19.54	20.19	19.61
		15	0	19.76	20.42	19.83
	16QAM	1	0	19.63	**20.40**	19.73
		1	7	19.77	20.36	19.82
		1	14	19.64	20.22	19.59
		8	0	18.82	19.43	18.74
		8	3	18.55	19.23	18.56
		8	7	18.46	19.11	18.59
		15	0	18.72	19.39	18.76
	64QAM	1	0	18.63	**19.36**	18.66
		1	7	18.71	19.34	18.73
		1	14	18.55	19.17	18.55
		8	0	17.75	18.41	17.67
		8	3	17.52	18.15	17.54
		8	7	17.41	18.02	17.52
		15	0	17.69	18.37	17.67
	256QAM	1	0	17.60	**18.35**	17.63
		1	7	17.70	18.26	17.71
		1	14	17.52	18.13	17.46
		8	0	16.69	17.38	16.64
		8	3	16.50	17.14	16.50
		8	7	16.35	16.99	16.43
		15	0	16.62	17.31	16.65

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18625	18900	19175
		Frequency (MHz)		1852.5	1880	1907.5
5M	QPSK	1	0	21.02	**21.69**	21.05
		1	12	20.93	21.52	20.99
		1	24	20.68	21.41	20.81
		12	0	19.84	20.45	20.00
		12	6	19.62	20.33	19.82
		12	13	19.56	20.20	19.60
		25	0	19.92	20.43	19.95
	16QAM	1	0	19.78	20.40	19.81
		1	12	19.92	**20.43**	19.91
		1	24	19.62	20.40	19.79
		12	0	18.78	19.38	18.92
		12	6	18.57	19.32	18.75
		12	13	18.53	19.11	18.52
		25	0	18.91	19.36	18.87
	64QAM	1	0	18.73	19.33	18.72
		1	12	18.86	**19.35**	18.82
		1	24	18.53	19.31	18.70
		12	0	17.70	18.34	17.85
		12	6	17.55	18.24	17.66
		12	13	17.48	18.09	17.48
		25	0	17.89	18.27	17.81
	256QAM	1	0	17.65	18.24	17.66
		1	12	17.78	18.27	17.81
		1	24	17.45	**18.28**	17.62
		12	0	16.62	17.31	16.83
		12	6	16.53	17.16	16.61
		12	13	16.40	17.05	16.44
		25	0	16.88	17.25	16.72

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18650	18900	19150
		Frequency (MHz)		1855	1880	1905
10M	QPSK	1	0	21.04	**21.67**	21.15
		1	24	20.97	21.54	21.00
		1	49	20.79	21.38	20.77
		25	0	19.95	20.58	20.01
		25	12	19.75	20.34	19.85
		25	25	19.62	20.30	19.69
		50	0	19.91	20.47	19.95
	16QAM	1	0	19.90	**20.55**	19.92
		1	24	19.92	20.49	19.97
		1	49	19.73	20.34	19.68
		25	0	18.91	19.43	19.00
		25	12	18.67	19.31	18.76
		25	25	18.60	19.21	18.68
		50	0	18.84	19.43	18.93
	64QAM	1	0	18.83	**19.48**	18.87
		1	24	18.86	19.41	18.96
		1	49	18.68	19.31	18.67
		25	0	17.84	18.38	17.95
		25	12	17.64	18.25	17.70
		25	25	17.53	18.13	17.65
		50	0	17.77	18.39	17.84
	256QAM	1	0	17.81	**18.41**	17.86
		1	24	17.77	18.34	17.87
		1	49	17.59	18.23	17.65
		25	0	16.82	17.37	16.94
		25	12	16.63	17.20	16.64
		25	25	16.50	17.08	16.64
		50	0	16.69	17.36	16.83

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18675	18900	19125
		Frequency (MHz)		1857.5	1880	1902.5
15M	QPSK	1	0	21.13	**21.78**	21.18
		1	37	21.01	21.67	21.01
		1	74	20.87	21.50	20.82
		36	0	19.98	20.60	20.07
		36	19	19.81	20.44	19.90
		36	39	19.79	20.36	19.79
		75	0	19.94	20.64	20.00
	16QAM	1	0	19.99	**20.64**	20.08
		1	37	19.99	20.62	19.99
		1	74	19.79	20.41	19.76
		36	0	18.80	19.42	19.06
		36	19	18.74	19.42	18.81
		36	39	18.76	19.28	18.73
		75	0	18.93	19.58	18.97
	64QAM	1	0	18.91	**19.56**	19.04
		1	37	18.98	19.54	18.94
		1	74	18.73	19.36	18.75
		36	0	17.74	18.36	17.98
		36	19	17.71	18.36	17.77
		36	39	17.68	18.26	17.64
		75	0	17.86	18.57	17.95
	256QAM	1	0	17.84	**18.49**	18.01
		1	37	17.92	18.46	17.85
		1	74	17.66	18.27	17.73
		36	0	16.71	17.27	16.93
		36	19	16.62	17.29	16.73
		36	39	16.63	17.21	16.56
		75	0	16.82	17.51	16.86

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18700	18900	19100
		Frequency (MHz)		1860	1880	1900
20M	QPSK	1	0	21.17	**21.81**	21.23
		1	50	21.07	21.72	21.13
		1	99	20.89	21.53	20.93
		50	0	20.04	20.66	20.10
		50	25	19.82	20.48	19.92
		50	50	19.72	20.41	19.78
		100	0	19.95	20.66	20.02
	16QAM	1	0	20.08	**20.80**	20.21
		1	50	19.99	20.63	20.09
		1	99	19.80	20.47	19.86
		50	0	18.89	19.64	18.91
		50	25	18.80	19.39	18.87
		50	50	18.64	19.39	18.75
		100	0	18.86	19.57	18.99
	64QAM	1	0	19.03	**19.77**	19.20
		1	50	18.98	19.61	19.05
		1	99	18.75	19.42	18.84
		50	0	17.80	18.57	17.83
		50	25	17.71	18.38	17.84
		50	50	17.60	18.35	17.66
		100	0	17.81	18.54	17.92
	256QAM	1	0	18.00	**18.71**	18.16
		1	50	17.96	18.57	18.04
		1	99	17.70	18.34	17.83
		50	0	16.75	17.55	16.80
		50	25	16.68	17.30	16.75
		50	50	16.58	17.33	16.65
		100	0	16.77	17.46	16.85

LTE Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20407	20525	20643
		Frequency (MHz)		824.7	836.5	848.3
1.4M	QPSK	1	0	22.46	**22.72**	22.50
		1	2	22.32	22.55	22.52
		1	5	22.21	22.29	22.28
		3	0	22.43	22.68	22.51
		3	1	22.32	22.57	22.50
		3	3	22.20	22.27	22.27
		6	0	21.30	21.52	21.34
	16QAM	1	0	21.42	**21.69**	21.45
		1	2	21.26	21.52	21.50
		1	5	21.16	21.27	21.25
		3	0	21.40	21.67	21.43
		3	1	21.26	21.55	21.48
		3	3	21.11	21.22	21.22
		6	0	20.19	20.42	20.27
	64QAM	1	0	20.34	20.62	20.39
		1	2	20.17	20.45	20.45
		1	5	20.09	20.26	20.22
		3	0	20.38	**20.63**	20.39
		3	1	20.21	20.50	20.46
		3	3	20.04	20.14	20.21
		6	0	19.16	19.40	19.26
	256QAM	1	0	19.32	19.53	19.35
		1	2	19.15	19.43	19.44
		1	5	19.06	19.18	19.17
		3	0	19.33	**19.61**	19.34
		3	1	19.19	19.46	19.39
		3	3	19.01	19.10	19.12
		6	0	18.07	18.32	18.16

LTE Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20415	20525	20635
		Frequency (MHz)		825.5	836.5	847.5
3M	QPSK	1	0	22.53	**22.70**	22.58
		1	7	22.39	22.57	22.48
		1	14	22.13	22.45	22.27
		8	0	21.42	21.51	21.49
		8	3	21.19	21.37	21.27
		8	7	21.09	21.25	21.20
		15	0	21.39	21.47	21.40
	16QAM	1	0	21.15	21.41	21.28
		1	7	21.30	**21.48**	21.45
		1	14	21.11	21.39	21.19
		8	0	20.29	20.37	20.37
		8	3	20.11	20.31	20.22
		8	7	20.05	20.18	20.19
		15	0	20.32	20.40	20.31
	64QAM	1	0	20.11	20.33	20.22
		1	7	20.26	**20.44**	20.40
		1	14	20.09	20.31	20.13
		8	0	19.25	19.28	19.31
		8	3	19.03	19.24	19.16
		8	7	19.00	19.17	19.16
		15	0	19.26	19.35	19.30
	256QAM	1	0	19.03	19.32	19.18
		1	7	19.18	**19.42**	19.38
		1	14	19.05	19.22	19.04
		8	0	18.19	18.20	18.23
		8	3	17.94	18.21	18.08
		8	7	17.99	18.13	18.10
		15	0	18.17	18.27	18.23

LTE Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20425	20525	20625
		Frequency (MHz)		826.5	836.5	846.5
5M	QPSK	1	0	22.60	**22.72**	22.67
		1	12	22.49	22.64	22.55
		1	24	22.30	22.33	22.37
		12	0	21.47	21.61	21.51
		12	6	21.21	21.40	21.34
		12	13	21.12	21.26	21.22
		25	0	21.34	21.54	21.47
	16QAM	1	0	21.24	21.49	21.45
		1	12	21.41	**21.58**	21.52
		1	24	21.24	21.25	21.28
		12	0	20.25	20.53	20.45
		12	6	20.17	20.31	20.31
		12	13	20.08	20.19	20.13
		25	0	20.26	20.49	20.40
	64QAM	1	0	20.21	20.42	20.42
		1	12	20.36	**20.49**	20.46
		1	24	20.19	20.18	20.23
		12	0	19.22	19.52	19.42
		12	6	19.11	19.26	19.27
		12	13	18.99	19.12	19.05
		25	0	19.22	19.42	19.33
	256QAM	1	0	19.13	19.40	19.38
		1	12	19.31	**19.43**	19.40
		1	24	19.11	19.13	19.22
		12	0	18.19	18.50	18.34
		12	6	18.03	18.23	18.20
		12	13	17.96	18.06	18.04
		25	0	18.21	18.35	18.26

LTE Band 5						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20450	20525	20600
		Frequency (MHz)		829	836.5	844
10M	QPSK	1	0	22.58	**22.77**	22.73
		1	24	22.52	22.68	22.53
		1	49	22.21	22.45	22.38
		25	0	21.47	21.69	21.60
		25	12	21.33	21.49	21.37
		25	25	21.15	21.36	21.34
		50	0	21.56	21.62	21.66
	16QAM	1	0	21.44	21.62	21.54
		1	24	21.51	**21.66**	21.52
		1	49	21.15	21.41	21.36
		25	0	20.28	20.68	20.40
		25	12	20.29	20.47	20.30
		25	25	20.10	20.32	20.25
		50	0	20.54	20.60	20.60
	64QAM	1	0	20.43	20.53	20.48
		1	24	20.43	**20.64**	20.49
		1	49	20.10	20.37	20.31
		25	0	19.24	19.59	19.33
		25	12	19.20	19.38	19.29
		25	25	19.04	19.24	19.19
		50	0	19.50	19.59	19.51
	256QAM	1	0	19.39	19.45	19.44
		1	24	19.35	**19.61**	19.41
		1	49	19.06	19.35	19.23
		25	0	18.18	18.50	18.24
		25	12	18.11	18.30	18.24
		25	25	17.95	18.20	18.14
		50	0	18.43	18.51	18.46

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	22.65	**22.66**	22.23
		1	12	22.53	22.51	22.13
		1	24	22.34	22.45	22.01
		12	0	21.62	21.53	21.12
		12	6	21.38	21.32	20.95
		12	13	21.34	21.17	20.91
		25	0	21.49	21.60	21.09
	16QAM	1	0	21.34	21.48	20.98
		1	12	**21.52**	21.47	21.07
		1	24	21.26	21.41	20.97
		12	0	20.45	20.33	20.05
		12	6	20.34	20.26	19.94
		12	13	20.33	20.08	19.86
		25	0	20.46	20.59	20.02
	64QAM	1	0	20.32	20.47	19.90
		1	12	**20.51**	20.38	20.06
		1	24	20.25	20.38	19.91
		12	0	19.41	19.31	18.99
		12	6	19.26	19.17	18.85
		12	13	19.32	19.06	18.80
		25	0	19.44	19.50	18.95
	256QAM	1	0	19.31	**19.43**	18.84
		1	12	19.42	19.36	18.99
		1	24	19.22	19.29	18.86
		12	0	18.34	18.27	17.97
		12	6	18.19	18.16	17.80
		12	13	18.26	17.97	17.75
		25	0	18.37	18.49	17.88

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	22.70	**22.72**	22.33
		1	24	22.59	22.60	22.24
		1	49	22.34	22.45	22.00
		25	0	21.59	21.64	21.18
		25	12	21.36	21.41	21.03
		25	25	21.33	21.34	20.88
		50	0	21.49	21.55	21.12
	16QAM	1	0	21.48	**21.58**	21.12
		1	24	21.57	21.55	21.18
		1	49	21.31	21.40	20.98
		25	0	20.48	20.53	19.99
		25	12	20.32	20.33	19.99
		25	25	20.30	20.33	19.87
		50	0	20.46	20.54	20.07
	64QAM	1	0	20.45	**20.57**	20.11
		1	24	20.52	20.49	20.16
		1	49	20.26	20.39	19.90
		25	0	19.43	19.46	18.96
		25	12	19.31	19.31	18.96
		25	25	19.24	19.24	18.81
		50	0	19.38	19.45	19.05
	256QAM	1	0	19.45	19.48	19.05
		1	24	**19.51**	19.46	19.07
		1	49	19.20	19.38	18.85
		25	0	18.37	18.41	17.88
		25	12	18.23	18.30	17.88
		25	25	18.17	18.18	17.79
		50	0	18.29	18.43	18.01

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	22.77	**22.78**	22.42
		1	37	22.59	22.61	22.23
		1	74	22.47	22.51	22.03
		36	0	21.63	21.66	21.27
		36	19	21.45	21.48	21.09
		36	39	21.35	21.39	20.98
		75	0	21.62	21.61	21.29
	16QAM	1	0	**21.69**	21.61	21.24
		1	37	21.50	21.59	21.20
		1	74	21.45	21.43	20.99
		36	0	20.61	20.62	20.19
		36	19	20.38	20.42	20.07
		36	39	20.30	20.33	19.97
		75	0	20.55	20.59	20.20
	64QAM	1	0	**20.65**	20.52	20.21
		1	37	20.45	20.56	20.18
		1	74	20.43	20.41	19.94
		36	0	19.56	19.59	19.13
		36	19	19.31	19.39	18.98
		36	39	19.28	19.29	18.93
		75	0	19.47	19.58	19.12
	256QAM	1	0	**19.57**	19.44	19.14
		1	37	19.36	19.55	19.17
		1	74	19.40	19.33	18.86
		36	0	18.55	18.56	18.08
		36	19	18.24	18.30	17.94
		36	39	18.20	18.26	17.89
		75	0	18.38	18.49	18.06

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	22.81	**22.83**	22.45
		1	50	22.68	22.70	22.30
		1	99	22.58	22.61	22.19
		50	0	21.70	21.68	21.32
		50	25	21.53	21.50	21.11
		50	50	21.41	21.40	21.02
		100	0	21.64	21.63	21.28
	16QAM	1	0	21.73	**21.82**	21.37
		1	50	21.67	21.61	21.26
		1	99	21.56	21.53	21.10
		50	0	20.54	20.50	20.31
		50	25	20.49	20.48	20.10
		50	50	20.37	20.36	19.98
		100	0	20.61	20.54	20.24
	64QAM	1	0	20.69	**20.75**	20.33
		1	50	20.65	20.52	20.18
		1	99	20.52	20.44	20.09
		50	0	19.47	19.45	19.27
		50	25	19.43	19.45	19.09
		50	50	19.34	19.30	18.93
		100	0	19.60	19.52	19.16
	256QAM	1	0	**19.67**	19.66	19.27
		1	50	19.59	19.51	19.11
		1	99	19.50	19.35	19.07
		50	0	18.43	18.41	18.20
		50	25	18.36	18.37	18.01
		50	50	18.31	18.28	17.90
		100	0	18.53	18.51	18.07

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	22.30	**22.55**	22.02
		1	2	22.19	22.42	21.95
		1	5	21.87	22.31	21.75
		3	0	22.32	22.54	21.98
		3	1	22.21	22.44	21.97
		3	3	21.88	22.29	21.76
		6	0	21.16	21.38	20.79
	16QAM	1	0	21.25	21.46	20.95
		1	2	21.12	21.34	20.86
		1	5	20.80	21.28	20.74
		3	0	21.24	**21.49**	20.94
		3	1	21.19	21.42	20.94
		3	3	20.80	21.26	20.72
		6	0	20.12	20.33	19.73
	64QAM	1	0	20.23	20.41	19.93
		1	2	20.05	20.29	19.84
		1	5	19.76	20.25	19.69
		3	0	20.23	**20.44**	19.86
		3	1	20.12	20.37	19.88
		3	3	19.76	20.18	19.66
		6	0	19.05	19.32	18.70
	256QAM	1	0	19.21	19.35	18.85
		1	2	18.98	19.24	18.79
		1	5	18.68	19.24	18.66
		3	0	19.15	**19.39**	18.78
		3	1	19.09	19.32	18.86
		3	3	18.74	19.10	18.65
		6	0	17.97	18.23	17.66

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	22.32	**22.55**	22.10
		1	7	22.16	22.46	21.99
		1	14	22.04	22.24	21.88
		8	0	21.24	21.47	20.98
		8	3	21.04	21.26	20.79
		8	7	20.93	21.11	20.65
		15	0	21.16	21.49	20.93
	16QAM	1	0	21.03	21.27	20.69
		1	7	21.10	**21.40**	20.95
		1	14	21.01	21.23	20.79
		8	0	20.21	20.34	19.91
		8	3	20.03	20.20	19.70
		8	7	19.87	20.04	19.63
		15	0	20.08	20.44	19.90
	64QAM	1	0	19.95	20.22	19.68
		1	7	20.09	**20.35**	19.89
		1	14	19.99	20.15	19.74
		8	0	19.17	19.27	18.84
		8	3	18.96	19.19	18.62
		8	7	18.86	19.03	18.56
		15	0	19.02	19.35	18.86
	256QAM	1	0	18.89	19.15	18.59
		1	7	19.02	**19.31**	18.83
		1	14	18.96	19.09	18.66
		8	0	18.13	18.22	17.83
		8	3	17.94	18.13	17.58
		8	7	17.78	17.97	17.50
		15	0	17.97	18.30	17.82

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	22.39	**22.64**	22.16
		1	12	22.25	22.52	21.99
		1	24	22.07	22.37	21.87
		12	0	21.24	21.53	21.11
		12	6	21.05	21.36	20.81
		12	13	20.92	21.23	20.82
		25	0	21.24	21.46	20.98
	16QAM	1	0	21.12	21.47	20.90
		1	12	21.17	**21.48**	20.96
		1	24	21.06	21.32	20.82
		12	0	20.08	20.45	20.02
		12	6	20.00	20.31	19.72
		12	13	19.86	20.14	19.76
		25	0	20.20	20.43	19.89
	64QAM	1	0	20.07	20.39	19.85
		1	12	20.13	**20.44**	19.89
		1	24	20.01	20.29	19.81
		12	0	19.07	19.44	18.94
		12	6	18.93	19.30	18.66
		12	13	18.85	19.13	18.75
		25	0	19.13	19.36	18.88
	256QAM	1	0	19.02	**19.37**	18.78
		1	12	19.08	19.36	18.87
		1	24	18.92	19.27	18.75
		12	0	18.03	18.42	17.90
		12	6	17.91	18.29	17.57
		12	13	17.80	18.08	17.68
		25	0	18.09	18.28	17.81

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	22.42	**22.71**	22.18
		1	24	22.37	22.57	22.11
		1	49	22.24	22.31	21.81
		25	0	21.32	21.61	21.09
		25	12	21.06	21.40	20.93
		25	25	21.03	21.36	20.86
		50	0	21.21	21.55	21.12
	16QAM	1	0	21.22	**21.58**	21.04
		1	24	21.33	21.50	21.08
		1	49	21.18	21.22	20.73
		25	0	20.19	20.47	19.90
		25	12	19.99	20.39	19.89
		25	25	20.02	20.29	19.80
		50	0	20.20	20.54	20.06
	64QAM	1	0	20.22	**20.50**	19.95
		1	24	20.29	20.49	20.01
		1	49	20.14	20.16	19.66
		25	0	19.18	19.42	18.89
		25	12	18.93	19.32	18.80
		25	25	18.99	19.21	18.76
		50	0	19.11	19.46	19.05
	256QAM	1	0	19.19	**19.47**	18.93
		1	24	19.23	19.41	19.00
		1	49	19.06	19.12	18.57
		25	0	18.09	18.33	17.88
		25	12	17.91	18.25	17.79
		25	25	17.96	18.18	17.75
		50	0	18.02	18.42	18.00

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	22.37	**22.66**	22.13
		1	12	22.26	22.56	22.01
		1	24	22.13	22.34	21.92
		12	0	21.25	21.49	21.10
		12	6	21.11	21.32	20.88
		12	13	21.02	21.26	20.85
		25	0	21.29	21.59	20.94
	16QAM	1	0	21.15	21.32	20.91
		1	12	21.18	**21.49**	20.99
		1	24	21.06	21.27	20.85
		12	0	20.07	20.29	20.07
		12	6	20.09	20.25	19.87
		12	13	20.00	20.20	19.77
		25	0	20.23	20.51	19.86
	64QAM	1	0	20.08	20.25	19.88
		1	12	20.16	**20.47**	19.96
		1	24	20.02	20.23	19.77
		12	0	19.00	19.27	19.06
		12	6	19.00	19.16	18.78
		12	13	18.91	19.12	18.76
		25	0	19.22	19.49	18.77
	256QAM	1	0	19.01	19.19	18.81
		1	12	19.10	**19.45**	18.91
		1	24	18.93	19.15	18.69
		12	0	17.97	18.24	18.03
		12	6	17.97	18.13	17.71
		12	13	17.86	18.06	17.68
		25	0	18.20	18.46	17.76

LTE Band 13				
BW	MCS Index	RB Size	RB Offset	Mid
		Channel		23230
		Frequency (MHz)		782
10M	QPSK	1	0	**22.20**
		1	24	22.12
		1	49	22.00
		25	0	21.06
		25	12	20.87
		25	25	20.76
		50	0	21.09
	16QAM	1	0	**21.04**
		1	24	21.00
		1	49	20.79
		25	0	19.89
		25	12	19.86
		25	25	19.70
		50	0	20.06
	64QAM	1	0	19.92
		1	24	**19.96**
		1	49	19.90
		25	0	19.03
		25	12	18.79
		25	25	18.67
		50	0	18.90
	256QAM	1	0	18.96
		1	24	**18.98**
		1	49	18.79
		25	0	17.96
		25	12	17.80
		25	25	17.63
		50	0	17.86

EIRP Power (dBm)

Internal Antenna

n66

Modulation Type: $\pi/2$ BPSK

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	19.7	30.0	-10.3	2.58 H	20	86.1	-66.4
2	1745.00	20.0	30.0	-10.0	2.50 H	17	86.3	-66.3
3	1777.50	19.6	30.0	-10.4	2.56 H	14	85.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	21.3	30.0	-8.7	1.19 V	145	87.7	-66.4
2	1745.00	21.4	30.0	-8.6	1.19 V	140	87.7	-66.3
3	1777.50	21.2	30.0	-8.8	1.25 V	140	87.5	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	19.5	30.0	-10.5	2.59 H	11	85.9	-66.4
2	1745.00	19.9	30.0	-10.1	2.52 H	12	86.2	-66.3
3	1775.00	19.8	30.0	-10.2	2.57 H	12	86.1	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	21.5	30.0	-8.5	1.27 V	142	87.9	-66.4
2	1745.00	21.1	30.0	-8.9	1.19 V	144	87.4	-66.3
3	1775.00	21.3	30.0	-8.7	1.24 V	138	87.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	20.0	30.0	-10.0	2.51 H	14	86.4	-66.4
2	1745.00	19.8	30.0	-10.2	2.60 H	15	86.1	-66.3
3	1772.50	20.2	30.0	-9.8	2.55 H	19	86.5	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	21.3	30.0	-8.7	1.15 V	137	87.7	-66.4
2	1745.00	21.0	30.0	-9.0	1.23 V	136	87.3	-66.3
3	1772.50	20.9	30.0	-9.1	1.19 V	143	87.2	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	19.6	30.0	-10.4	2.60 H	10	86.0	-66.4
2	1745.00	20.2	30.0	-9.8	2.57 H	16	86.5	-66.3
3	1770.00	20.0	30.0	-10.0	2.55 H	13	86.3	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	20.8	30.0	-9.2	1.22 V	144	87.2	-66.4
2	1745.00	21.4	30.0	-8.6	1.19 V	142	87.7	-66.3
3	1770.00	21.3	30.0	-8.7	1.23 V	147	87.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	20.3	30.0	-9.7	2.62 H	19	86.7	-66.4
2	1745.00	20.0	30.0	-10.0	2.57 H	12	86.3	-66.3
3	1765.00	19.6	30.0	-10.4	2.62 H	17	85.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	21.1	30.0	-8.9	1.23 V	139	87.5	-66.4
2	1745.00	21.0	30.0	-9.0	1.26 V	139	87.3	-66.3
3	1765.00	20.7	30.0	-9.3	1.28 V	143	87.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	20.1	30.0	-9.9	2.51 H	17	86.4	-66.3
2	1745.00	20.2	30.0	-9.8	2.60 H	0	86.5	-66.3
3	1760.00	20.6	30.0	-9.4	2.56 H	2	86.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	21.1	30.0	-8.9	2.21 V	143	87.4	-66.3
2	1745.00	21.6	30.0	-8.4	2.20 V	139	87.9	-66.3
3	1760.00	21.7	30.0	-8.3	1.23 V	140	88.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	19.2	30.0	-10.8	2.57 H	17	85.6	-66.4
2	1745.00	19.5	30.0	-10.5	2.52 H	17	85.8	-66.3
3	1777.50	19.1	30.0	-10.9	2.56 H	15	85.4	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	20.8	30.0	-9.2	1.20 V	142	87.2	-66.4
2	1745.00	20.9	30.0	-9.1	1.19 V	138	87.2	-66.3
3	1777.50	20.8	30.0	-9.2	1.23 V	140	87.1	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	19.0	30.0	-11.0	2.59 H	13	85.4	-66.4
2	1745.00	19.3	30.0	-10.7	2.52 H	11	85.6	-66.3
3	1775.00	19.3	30.0	-10.7	2.57 H	10	85.6	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	21.0	30.0	-9.0	1.25 V	142	87.4	-66.4
2	1745.00	20.7	30.0	-9.3	1.17 V	142	87.0	-66.3
3	1775.00	20.9	30.0	-9.1	1.25 V	138	87.2	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	19.7	30.0	-10.3	2.51 H	14	86.1	-66.4
2	1745.00	19.4	30.0	-10.6	2.58 H	15	85.7	-66.3
3	1772.50	19.7	30.0	-10.3	2.54 H	17	86.0	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	20.9	30.0	-9.1	1.15 V	139	87.3	-66.4
2	1745.00	20.5	30.0	-9.5	1.25 V	138	86.8	-66.3
3	1772.50	20.6	30.0	-9.4	1.19 V	140	86.9	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	19.0	30.0	-11.0	2.60 H	13	85.4	-66.4
2	1745.00	19.7	30.0	-10.3	2.59 H	16	86.0	-66.3
3	1770.00	19.5	30.0	-10.5	2.57 H	14	85.8	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	20.3	30.0	-9.7	1.22 V	143	86.7	-66.4
2	1745.00	21.0	30.0	-9.0	1.17 V	142	87.3	-66.3
3	1770.00	20.9	30.0	-9.1	1.23 V	145	87.2	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	19.8	30.0	-10.2	2.57 H	15	86.2	-66.4
2	1745.00	19.5	30.0	-10.5	2.57 H	10	85.8	-66.3
3	1765.00	19.2	30.0	-10.8	2.52 H	17	85.5	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	20.6	30.0	-9.4	1.18 V	139	87.0	-66.4
2	1745.00	20.5	30.0	-9.5	1.16 V	139	86.8	-66.3
3	1765.00	20.1	30.0	-9.9	1.17 V	143	86.4	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	19.1	30.0	-10.9	2.53 H	17	85.4	-66.3
2	1745.00	19.2	30.0	-10.8	2.60 H	11	85.5	-66.3
3	1760.00	19.6	30.0	-10.4	2.56 H	12	85.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	20.1	30.0	-9.9	1.21 V	143	86.4	-66.3
2	1745.00	20.6	30.0	-9.4	1.20 V	139	86.9	-66.3
3	1760.00	20.7	30.0	-9.3	1.21 V	138	87.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	18.1	30.0	-11.9	2.52 H	13	84.5	-66.4
2	1745.00	18.6	30.0	-11.4	2.52 H	14	84.9	-66.3
3	1777.50	18.0	30.0	-12.0	2.51 H	17	84.3	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	19.9	30.0	-10.1	1.25 V	144	86.3	-66.4
2	1745.00	19.9	30.0	-10.1	1.22 V	144	86.2	-66.3
3	1777.50	19.7	30.0	-10.3	1.19 V	140	86.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	18.0	30.0	-12.0	2.54 H	15	84.4	-66.4
2	1745.00	18.4	30.0	-11.6	2.59 H	10	84.7	-66.3
3	1775.00	18.3	30.0	-11.7	2.50 H	16	84.6	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	20.2	30.0	-9.8	1.15 V	145	86.6	-66.4
2	1745.00	19.9	30.0	-10.1	1.18 V	139	86.2	-66.3
3	1775.00	19.8	30.0	-10.2	1.23 V	142	86.1	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	18.8	30.0	-11.2	2.59 H	12	85.2	-66.4
2	1745.00	18.6	30.0	-11.4	2.53 H	17	84.9	-66.3
3	1772.50	18.6	30.0	-11.4	2.57 H	12	84.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	19.8	30.0	-10.2	1.23 V	145	86.2	-66.4
2	1745.00	19.7	30.0	-10.3	1.22 V	145	86.0	-66.3
3	1772.50	19.8	30.0	-10.2	1.21 V	138	86.1	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	18.1	30.0	-11.9	2.55 H	13	84.5	-66.4
2	1745.00	18.7	30.0	-11.3	2.54 H	14	85.0	-66.3
3	1770.00	18.3	30.0	-11.7	2.53 H	12	84.6	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	19.4	30.0	-10.6	1.25 V	139	85.8	-66.4
2	1745.00	20.0	30.0	-10.0	1.25 V	144	86.3	-66.3
3	1770.00	19.7	30.0	-10.3	1.17 V	142	86.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	18.7	30.0	-11.3	2.54 H	10	85.1	-66.4
2	1745.00	18.3	30.0	-11.7	2.51 H	14	84.6	-66.3
3	1765.00	18.2	30.0	-11.8	2.55 H	14	84.5	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	19.4	30.0	-10.6	1.25 V	142	85.8	-66.4
2	1745.00	19.3	30.0	-10.7	1.23 V	144	85.6	-66.3
3	1765.00	18.9	30.0	-11.1	1.19 V	139	85.2	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	18.0	30.0	-12.0	2.57 H	13	84.3	-66.3
2	1745.00	18.2	30.0	-11.8	2.60 H	13	84.5	-66.3
3	1760.00	18.6	30.0	-11.4	2.60 H	12	84.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	19.3	30.0	-10.7	1.19 V	143	85.6	-66.3
2	1745.00	19.4	30.0	-10.6	1.21 V	139	85.7	-66.3
3	1760.00	19.6	30.0	-10.4	1.18 V	142	85.9	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	17.5	30.0	-12.5	2.56 H	12	83.9	-66.4
2	1745.00	18.0	30.0	-12.0	2.58 H	12	84.3	-66.3
3	1777.50	17.5	30.0	-12.5	2.55 H	14	83.8	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	19.3	30.0	-10.7	1.25 V	143	85.7	-66.4
2	1745.00	19.3	30.0	-10.7	1.24 V	138	85.6	-66.3
3	1777.50	19.1	30.0	-10.9	1.25 V	139	85.4	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	17.2	30.0	-12.8	2.53 H	12	83.6	-66.4
2	1745.00	18.0	30.0	-12.0	2.57 H	13	84.3	-66.3
3	1775.00	17.9	30.0	-12.1	2.51 H	12	84.2	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	19.7	30.0	-10.3	1.19 V	143	86.1	-66.4
2	1745.00	19.3	30.0	-10.7	1.15 V	143	85.6	-66.3
3	1775.00	19.3	30.0	-10.7	1.19 V	138	85.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	18.4	30.0	-11.6	2.57 H	10	84.8	-66.4
2	1745.00	18.1	30.0	-11.9	2.56 H	13	84.4	-66.3
3	1772.50	18.2	30.0	-11.8	2.60 H	16	84.5	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	19.2	30.0	-10.8	1.17 V	142	85.6	-66.4
2	1745.00	19.1	30.0	-10.9	1.20 V	142	85.4	-66.3
3	1772.50	19.2	30.0	-10.8	1.23 V	138	85.5	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	17.7	30.0	-12.3	2.53 H	11	84.1	-66.4
2	1745.00	18.2	30.0	-11.8	2.60 H	10	84.5	-66.3
3	1770.00	17.7	30.0	-12.3	2.56 H	11	84.0	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	18.8	30.0	-11.2	1.23 V	139	85.2	-66.4
2	1745.00	19.4	30.0	-10.6	1.22 V	145	85.7	-66.3
3	1770.00	19.3	30.0	-10.7	1.15 V	138	85.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	18.1	30.0	-11.9	2.50 H	13	84.5	-66.4
2	1745.00	17.8	30.0	-12.2	2.58 H	13	84.1	-66.3
3	1765.00	17.6	30.0	-12.4	2.58 H	13	83.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	18.8	30.0	-11.2	1.25 V	145	85.2	-66.4
2	1745.00	18.9	30.0	-11.1	1.22 V	143	85.2	-66.3
3	1765.00	18.3	30.0	-11.7	1.20 V	139	84.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	17.6	30.0	-12.4	2.51 H	14	83.9	-66.3
2	1745.00	17.8	30.0	-12.2	2.57 H	14	84.1	-66.3
3	1760.00	18.1	30.0	-11.9	2.54 H	16	84.4	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	18.7	30.0	-11.3	1.22 V	145	85.0	-66.3
2	1745.00	18.8	30.0	-11.2	1.17 V	141	85.1	-66.3
3	1760.00	19.2	30.0	-10.8	1.23 V	143	85.5	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	15.9	30.0	-14.1	2.53 H	11	82.3	-66.4
2	1745.00	16.5	30.0	-13.5	2.57 H	13	82.8	-66.3
3	1777.50	15.9	30.0	-14.1	2.59 H	16	82.2	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	17.7	30.0	-12.3	1.24 V	139	84.1	-66.4
2	1745.00	17.7	30.0	-12.3	1.19 V	144	84.0	-66.3
3	1777.50	17.5	30.0	-12.5	1.17 V	139	83.8	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	15.8	30.0	-14.2	2.60 H	17	82.2	-66.4
2	1745.00	16.4	30.0	-13.6	2.57 H	12	82.7	-66.3
3	1775.00	16.4	30.0	-13.6	2.59 H	12	82.7	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	18.2	30.0	-11.8	1.24 V	140	84.6	-66.4
2	1745.00	17.9	30.0	-12.1	1.15 V	141	84.2	-66.3
3	1775.00	17.7	30.0	-12.3	1.19 V	142	84.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	16.9	30.0	-13.1	2.53 H	14	83.3	-66.4
2	1745.00	16.6	30.0	-13.4	2.59 H	14	82.9	-66.3
3	1772.50	16.7	30.0	-13.3	2.52 H	16	83.0	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	17.7	30.0	-12.3	1.17 V	145	84.1	-66.4
2	1745.00	17.6	30.0	-12.4	1.20 V	144	83.9	-66.3
3	1772.50	17.7	30.0	-12.3	1.23 V	142	84.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	16.1	30.0	-13.9	2.53 H	15	82.5	-66.4
2	1745.00	16.8	30.0	-13.2	2.51 H	17	83.1	-66.3
3	1770.00	16.3	30.0	-13.7	2.57 H	17	82.6	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	17.3	30.0	-12.7	1.24 V	144	83.7	-66.4
2	1745.00	17.8	30.0	-12.2	1.22 V	138	84.1	-66.3
3	1770.00	17.8	30.0	-12.2	1.16 V	141	84.1	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	16.5	30.0	-13.5	2.55 H	16	82.9	-66.4
2	1745.00	16.2	30.0	-13.8	2.59 H	11	82.5	-66.3
3	1765.00	16.0	30.0	-14.0	2.57 H	15	82.3	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	17.4	30.0	-12.6	1.21 V	139	83.8	-66.4
2	1745.00	17.5	30.0	-12.5	1.21 V	140	83.8	-66.3
3	1765.00	16.8	30.0	-13.2	1.22 V	143	83.1	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	16.0	30.0	-14.0	2.56 H	12	82.3	-66.3
2	1745.00	16.4	30.0	-13.6	2.60 H	17	82.7	-66.3
3	1760.00	16.7	30.0	-13.3	2.54 H	10	83.0	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	17.2	30.0	-12.8	1.19 V	144	83.5	-66.3
2	1745.00	17.2	30.0	-12.8	1.25 V	138	83.5	-66.3
3	1760.00	17.7	30.0	-12.3	1.16 V	145	84.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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 2

Modulation Type: QPSK

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
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	1850.70	16.4	33.0	-16.6	2.15 H	197	82.2	-65.8
2	1880.00	16.9	33.0	-16.1	2.25 H	201	82.6	-65.7
3	1909.30	16.8	33.0	-16.2	2.23 H	200	82.3	-65.5
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	1850.70	20.4	33.0	-12.6	2.45 V	322	86.2	-65.8
2	1880.00	20.0	33.0	-13.0	2.45 V	317	85.7	-65.7
3	1909.30	20.2	33.0	-12.8	2.51 V	322	85.7	-65.5

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 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
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	1851.50	17.1	33.0	-15.9	2.15 H	204	82.9	-65.8
2	1880.00	16.9	33.0	-16.1	2.17 H	200	82.6	-65.7
3	1908.50	17.1	33.0	-15.9	2.21 H	198	82.6	-65.5
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	1851.50	20.2	33.0	-12.8	2.53 V	324	86.0	-65.8
2	1880.00	20.4	33.0	-12.6	2.45 V	320	86.1	-65.7
3	1908.50	20.3	33.0	-12.7	2.50 V	323	85.8	-65.5

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 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
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	1852.50	16.5	33.0	-16.5	2.22 H	201	82.3	-65.8
2	1880.00	16.8	33.0	-16.2	2.19 H	197	82.5	-65.7
3	1907.50	17.0	33.0	-16.0	2.15 H	201	82.5	-65.5
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	1852.50	20.2	33.0	-12.8	2.51 V	324	86.0	-65.8
2	1880.00	20.1	33.0	-12.9	2.50 V	322	85.8	-65.7
3	1907.50	20.4	33.0	-12.6	2.49 V	322	85.9	-65.5

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 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
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	1855.00	16.5	33.0	-16.5	2.23 H	197	82.3	-65.8
2	1880.00	16.7	33.0	-16.3	2.20 H	203	82.4	-65.7
3	1905.00	16.7	33.0	-16.3	2.24 H	199	82.2	-65.5
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	1855.00	20.1	33.0	-12.9	2.51 V	322	85.9	-65.8
2	1880.00	20.3	33.0	-12.7	2.55 V	321	86.0	-65.7
3	1905.00	20.2	33.0	-12.8	2.49 V	319	85.7	-65.5

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 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
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	1857.50	16.9	33.0	-16.1	2.20 H	197	82.7	-65.8
2	1880.00	16.5	33.0	-16.5	2.20 H	202	82.2	-65.7
3	1902.50	16.4	33.0	-16.6	2.24 H	203	81.9	-65.5
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	1857.50	20.1	33.0	-12.9	2.52 V	317	85.9	-65.8
2	1880.00	20.3	33.0	-12.7	2.48 V	319	86.0	-65.7
3	1902.50	20.3	33.0	-12.7	2.51 V	322	85.8	-65.5

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 2, Channel Bandwidth 20MHz

Mode	TX channel 18700, 18900, 19100							
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	1860.00	16.5	33.0	-16.5	2.22 H	201	82.3	-65.8
2	1880.00	16.3	33.0	-16.7	2.16 H	202	82.0	-65.7
3	1900.00	16.4	33.0	-16.6	2.19 H	198	81.9	-65.5
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	1860.00	20.1	33.0	-12.9	2.45 V	323	85.9	-65.8
2	1880.00	20.2	33.0	-12.8	2.47 V	322	85.9	-65.7
3	1900.00	20.5	33.0	-12.7	2.54 V	318	86.0	-65.5

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 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
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	1850.70	15.6	33.0	-17.4	2.22 H	202	81.4	-65.8
2	1880.00	15.7	33.0	-17.3	2.16 H	197	81.4	-65.7
3	1909.30	16.0	33.0	-17.0	2.17 H	200	81.5	-65.5
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	1850.70	19.5	33.0	-13.5	2.51 V	318	85.3	-65.8
2	1880.00	19.0	33.0	-14.0	2.47 V	323	84.7	-65.7
3	1909.30	19.2	33.0	-13.8	2.54 V	319	84.7	-65.5

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 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
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	1851.50	16.3	33.0	-16.7	2.21 H	202	82.1	-65.8
2	1880.00	16.0	33.0	-17.0	2.25 H	199	81.7	-65.7
3	1908.50	16.1	33.0	-16.9	2.21 H	201	81.6	-65.5
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	1851.50	19.0	33.0	-14.0	2.48 V	320	84.8	-65.8
2	1880.00	19.3	33.0	-13.7	2.54 V	323	85.0	-65.7
3	1908.50	19.1	33.0	-13.9	2.52 V	319	84.6	-65.5

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 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
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	1852.50	15.9	33.0	-17.1	2.23 H	204	81.7	-65.8
2	1880.00	16.0	33.0	-17.0	2.21 H	200	81.7	-65.7
3	1907.50	15.8	33.0	-17.2	2.16 H	205	81.3	-65.5
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	1852.50	19.2	33.0	-13.8	2.49 V	318	85.0	-65.8
2	1880.00	19.3	33.0	-13.7	2.48 V	323	85.0	-65.7
3	1907.50	19.4	33.0	-13.6	2.46 V	317	84.9	-65.5

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 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
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	1855.00	15.4	33.0	-17.6	2.16 H	20	81.2	-65.8
2	1880.00	15.5	33.0	-17.5	2.21 H	197	81.2	-65.7
3	1905.00	15.6	33.0	-17.4	2.21 H	195	81.1	-65.5
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	1855.00	18.9	33.0	-14.1	2.50 V	319	84.7	-65.8
2	1880.00	18.7	33.0	-14.3	2.54 V	317	84.4	-65.7
3	1905.00	19.0	33.0	-14.0	2.53 V	321	84.5	-65.5

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 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
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	1857.50	16.0	33.0	-17.0	2.19 H	202	81.8	-65.8
2	1880.00	15.7	33.0	-17.3	2.15 H	200	81.4	-65.7
3	1902.50	15.5	33.0	-17.5	2.18 H	200	81.0	-65.5
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	1857.50	19.0	33.0	-14.0	2.52 V	318	84.8	-65.8
2	1880.00	19.2	33.0	-13.8	2.50 V	324	84.9	-65.7
3	1902.50	19.1	33.0	-13.9	2.53 V	319	84.6	-65.5

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 2, Channel Bandwidth 20MHz

Mode	TX channel 18700, 18900, 19100							
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	1860.00	15.6	33.0	-17.4	2.23 H	203	81.4	-65.8
2	1880.00	15.4	33.0	-17.6	2.22 H	199	81.1	-65.7
3	1900.00	15.1	33.0	-17.9	2.16 H	200	80.6	-65.5
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	1860.00	19.0	33.0	-14.0	2.46 V	318	84.8	-65.8
2	1880.00	19.1	33.0	-13.9	2.45 V	319	84.8	-65.7
3	1900.00	19.2	33.0	-13.8	2.50 V	318	84.7	-65.5

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 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
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	1850.70	15.1	33.0	-17.9	2.23 H	197	80.9	-65.8
2	1880.00	15.3	33.0	-17.7	2.22 H	199	81.0	-65.7
3	1909.30	15.6	33.0	-17.4	2.16 H	201	81.1	-65.5
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	1850.70	18.9	33.0	-14.1	2.46 V	320	84.7	-65.8
2	1880.00	18.5	33.0	-14.5	2.55 V	319	84.2	-65.7
3	1909.30	18.3	33.0	-14.7	2.55 V	324	83.8	-65.5

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 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
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	1851.50	15.7	33.0	-17.3	2.19 H	204	81.5	-65.8
2	1880.00	15.5	33.0	-17.5	2.15 H	203	81.2	-65.7
3	1908.50	15.4	33.0	-17.6	2.16 H	204	80.9	-65.5
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	1851.50	18.6	33.0	-14.4	2.52 V	324	84.4	-65.8
2	1880.00	18.7	33.0	-14.3	2.50 V	318	84.4	-65.7
3	1908.50	18.5	33.0	-14.5	2.50 V	321	84.0	-65.5

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 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
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	1852.50	15.2	33.0	-17.8	2.26 H	202	81.0	-65.8
2	1880.00	15.6	33.0	-17.4	2.19 H	200	81.3	-65.7
3	1907.50	15.2	33.0	-17.8	2.24 H	200	80.7	-65.5
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	1852.50	18.7	33.0	-14.3	2.46 V	321	84.5	-65.8
2	1880.00	18.5	33.0	-14.5	2.54 V	323	84.2	-65.7
3	1907.50	18.8	33.0	-14.2	2.45 V	320	84.3	-65.5

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 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
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	1855.00	15.2	33.0	-17.8	2.25 H	205	81.0	-65.8
2	1880.00	15.1	33.0	-17.9	2.21 H	203	80.8	-65.7
3	1905.00	15.2	33.0	-17.8	2.19 H	199	80.7	-65.5
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	1855.00	18.4	33.0	-14.6	2.51 V	321	84.2	-65.8
2	1880.00	18.1	33.0	-14.9	2.48 V	318	83.8	-65.7
3	1905.00	18.6	33.0	-14.4	2.50 V	319	84.1	-65.5

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 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
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	1857.50	15.4	33.0	-17.6	2.16 H	202	81.2	-65.8
2	1880.00	15.1	33.0	-17.9	2.20 H	199	80.8	-65.7
3	1902.50	15.1	33.0	-17.9	2.22 H	198	80.6	-65.5
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	1857.50	18.5	33.0	-14.5	2.48 V	323	84.3	-65.8
2	1880.00	18.6	33.0	-14.4	2.45 V	317	84.3	-65.7
3	1902.50	18.6	33.0	-14.4	2.53 V	319	84.1	-65.5

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 2, Channel Bandwidth 20MHz

Mode	TX channel 18700, 18900, 19100							
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	1860.00	15.2	33.0	-17.8	2.20 H	203	81.0	-65.8
2	1880.00	15.0	33.0	-18.0	2.23 H	197	80.7	-65.7
3	1900.00	14.9	33.0	-18.1	2.22 H	198	80.4	-65.5
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	1860.00	18.4	33.0	-14.6	2.46 V	324	84.2	-65.8
2	1880.00	18.5	33.0	-14.5	2.55 V	323	84.2	-65.7
3	1900.00	18.6	33.0	-14.4	2.53 V	322	84.1	-65.5

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 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
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	1850.70	13.7	33.0	-19.3	2.22 H	203	79.5	-65.8
2	1880.00	13.7	33.0	-19.3	2.16 H	198	79.4	-65.7
3	1909.30	14.0	33.0	-19.0	2.18 H	197	79.5	-65.5
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	1850.70	17.3	33.0	-15.7	2.47 V	323	83.1	-65.8
2	1880.00	17.0	33.0	-16.0	2.52 V	321	82.7	-65.7
3	1909.30	16.9	33.0	-16.1	2.53 V	317	82.4	-65.5

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 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
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	1851.50	14.1	33.0	-18.9	2.18 H	200	79.9	-65.8
2	1880.00	14.0	33.0	-19.0	2.15 H	200	79.7	-65.7
3	1908.50	14.2	33.0	-18.8	2.16 H	202	79.7	-65.5
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	1851.50	16.9	33.0	-16.1	2.50 V	320	82.7	-65.8
2	1880.00	17.1	33.0	-15.9	2.50 V	319	82.8	-65.7
3	1908.50	17.2	33.0	-15.8	2.46 V	323	82.7	-65.5

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 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
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	1852.50	13.7	33.0	-19.3	2.15 H	204	79.5	-65.8
2	1880.00	14.1	33.0	-18.9	2.21 H	200	79.8	-65.7
3	1907.50	13.8	33.0	-19.2	2.19 H	202	79.3	-65.5
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	1852.50	17.2	33.0	-15.8	2.54 V	317	83.0	-65.8
2	1880.00	17.0	33.0	-16.0	2.49 V	321	82.7	-65.7
3	1907.50	17.4	33.0	-15.6	2.49 V	324	82.9	-65.5

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 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
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	1855.00	13.6	33.0	-19.4	2.15 H	198	79.4	-65.8
2	1880.00	13.5	33.0	-19.5	2.18 H	202	79.2	-65.7
3	1905.00	13.6	33.0	-19.4	2.16 H	200	79.1	-65.5
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	1855.00	16.9	33.0	-16.1	2.48 V	324	82.7	-65.8
2	1880.00	16.8	33.0	-16.2	2.48 V	320	82.5	-65.7
3	1905.00	17.0	33.0	-16.0	2.54 V	318	82.5	-65.5

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 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
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	1857.50	13.9	33.0	-19.1	2.16 H	203	79.7	-65.8
2	1880.00	13.5	33.0	-19.5	2.15 H	203	79.2	-65.7
3	1902.50	13.6	33.0	-19.4	2.15 H	200	79.1	-65.5
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	1857.50	16.9	33.0	-16.1	2.51 V	318	82.7	-65.8
2	1880.00	17.0	33.0	-16.0	2.50 V	318	82.7	-65.7
3	1902.50	17.1	33.0	-15.9	2.55 V	324	82.6	-65.5

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 2, Channel Bandwidth 20MHz

Mode	TX channel 18700, 18900, 19100							
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	1860.00	13.6	33.0	-19.4	2.22 H	200	79.4	-65.8
2	1880.00	13.3	33.0	-19.7	2.20 H	202	79.0	-65.7
3	1900.00	13.5	33.0	-19.5	2.24 H	203	79.0	-65.5
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	1860.00	16.8	33.0	-16.2	2.47 V	321	82.6	-65.8
2	1880.00	16.9	33.0	-16.1	2.46 V	318	82.6	-65.7
3	1900.00	17.2	33.0	-15.8	2.48 V	324	82.7	-65.5

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 5

Modulation Type: QPSK

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
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	824.70	19.01	38.45	-19.44	1.11 H	9	89.80	-70.79
2	836.50	**19.46**	38.45	-18.99	1.06 H	8	90.20	-70.74
3	848.30	19.30	38.45	-19.15	1.09 H	14	89.90	-70.60
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	824.70	10.51	38.45	-27.94	1.01 V	13	81.30	-70.79
2	836.50	10.56	38.45	-27.89	1.07 V	13	81.30	-70.74
3	848.30	10.80	38.45	-27.65	1.08 V	14	81.40	-70.60

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
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	825.50	19.32	38.45	-19.13	1.12 H	9	90.10	-70.78
2	836.50	**19.36**	38.45	-19.09	1.13 H	13	90.10	-70.74
3	847.50	19.19	38.45	-19.26	1.08 H	10	89.80	-70.61
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	825.50	10.42	38.45	-28.03	1.03 V	12	81.20	-70.78
2	836.50	10.76	38.45	-27.69	1.08 V	12	81.50	-70.74
3	847.50	10.89	38.45	-27.56	1.01 V	10	81.50	-70.61

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
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	826.50	19.01	38.45	-19.44	1.06 H	9	89.80	-70.79
2	836.50	**19.36**	38.45	-19.09	1.14 H	8	90.10	-70.74
3	846.50	19.58	38.45	-18.87	1.06 H	12	90.20	-70.62
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	826.50	10.31	38.45	-28.14	1.01 V	7	81.10	-70.79
2	836.50	10.56	38.45	-27.89	1.04 V	14	81.30	-70.74
3	846.50	10.88	38.45	-27.57	1.07 V	7	81.50	-70.62

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
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	829.00	19.10	38.45	-19.35	1.12 H	13	89.90	-70.80
2	836.50	**19.56**	38.45	-18.89	1.12 H	10	90.30	-70.74
3	844.00	19.46	38.45	-18.99	1.15 H	12	90.10	-70.64
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	829.00	10.70	38.45	-27.75	1.07 V	12	81.50	-70.80
2	836.50	10.86	38.45	-27.59	1.06 V	9	81.60	-70.74
3	844.00	10.86	38.45	-27.59	1.05 V	11	81.50	-70.64

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
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	824.70	17.81	38.45	-20.64	1.06 H	12	88.60	-70.79
2	836.50	**18.56**	38.45	-19.89	1.11 H	14	89.30	-70.74
3	848.30	18.10	38.45	-20.35	1.10 H	9	88.70	-70.60
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	824.70	9.71	38.45	-28.74	1.05 V	11	80.50	-70.79
2	836.50	9.36	38.45	-29.09	1.03 V	14	80.10	-70.74
3	848.30	9.60	38.45	-28.85	1.07 V	10	80.20	-70.60

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
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	825.50	**18.42**	38.45	-20.03	1.07 H	14	89.20	-70.78
2	836.50	18.16	38.45	-20.29	1.10 H	13	88.90	-70.74
3	847.50	18.39	38.45	-20.06	1.11 H	13	89.00	-70.61
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	825.50	9.62	38.45	-28.83	1.01 V	13	80.40	-70.78
2	836.50	9.56	38.45	-28.89	1.02 V	12	80.30	-70.74
3	847.50	9.79	38.45	-28.66	1.08 V	11	80.40	-70.61

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
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	826.50	18.21	38.45	-20.24	1.13 H	9	89.00	-70.79
2	836.50	18.26	38.45	-20.19	1.08 H	8	89.00	-70.74
3	846.50	**18.68**	38.45	-19.77	1.10 H	13	89.30	-70.62
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	826.50	9.41	38.45	-29.04	1.10 V	12	80.20	-70.79
2	836.50	9.46	38.45	-28.99	1.01 V	9	80.20	-70.74
3	846.50	9.68	38.45	-28.77	1.08 V	12	80.30	-70.62

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
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	829.00	18.20	38.45	-20.25	1.11 H	10	89.00	-70.80
2	836.50	**18.46**	38.45	-19.99	1.15 H	11	89.20	-70.74
3	844.00	18.26	38.45	-20.19	1.07 H	10	88.90	-70.64
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	829.00	9.60	38.45	-28.85	1.02 V	12	80.40	-70.80
2	836.50	9.66	38.45	-28.79	1.11 V	9	80.40	-70.74
3	844.00	9.96	38.45	-28.49	1.08 V	9	80.60	-70.64

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
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	824.70	17.31	38.45	-21.14	1.09 H	13	88.10	-70.79
2	836.50	**18.06**	38.45	-20.39	1.14 H	9	88.80	-70.74
3	848.30	17.50	38.45	-20.95	1.14 H	14	88.10	-70.60
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	824.70	9.31	38.45	-29.14	1.08 V	7	80.10	-70.79
2	836.50	8.86	38.45	-29.59	1.01 V	7	79.60	-70.74
3	848.30	9.00	38.45	-29.45	1.09 V	12	79.60	-70.60

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
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	825.50	17.82	38.45	-20.63	1.08 H	7	88.60	-70.78
2	836.50	17.66	38.45	-20.79	1.12 H	14	88.40	-70.74
3	847.50	**17.99**	38.45	-20.46	1.09 H	10	88.60	-70.61
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	825.50	9.22	38.45	-29.23	1.05 V	12	80.00	-70.78
2	836.50	9.16	38.45	-29.29	1.11 V	9	79.90	-70.74
3	847.50	9.29	38.45	-29.16	1.05 V	8	79.90	-70.61

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
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	826.50	17.71	38.45	-20.74	1.14 H	8	88.50	-70.79
2	836.50	17.86	38.45	-20.59	1.07 H	12	88.60	-70.74
3	846.50	**18.28**	38.45	-20.17	1.12 H	8	88.90	-70.62
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	826.50	8.81	38.45	-29.64	1.05 V	7	79.60	-70.79
2	836.50	9.06	38.45	-29.39	1.09 V	13	79.80	-70.74
3	846.50	9.28	38.45	-29.17	1.10 V	10	79.90	-70.62

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
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	829.00	17.60	38.45	-20.85	1.10 H	10	88.40	-70.80
2	836.50	**17.96**	38.45	-20.49	1.14 H	14	88.70	-70.74
3	844.00	17.76	38.45	-20.69	1.06 H	13	88.40	-70.64
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	829.00	9.20	38.45	-29.25	1.11 V	14	80.00	-70.80
2	836.50	9.06	38.45	-29.39	1.03 V	8	79.80	-70.74
3	844.00	9.36	38.45	-29.09	1.04 V	7	80.00	-70.64

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
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	824.70	15.71	38.45	-22.74	1.14 H	10	86.50	-70.79
2	836.50	**16.66**	38.45	-21.79	1.11 H	13	87.40	-70.74
3	848.30	16.10	38.45	-22.35	1.15 H	10	86.70	-70.60
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	824.70	7.81	38.45	-30.64	1.07 V	13	78.60	-70.79
2	836.50	7.46	38.45	-30.99	1.07 V	12	78.20	-70.74
3	848.30	7.60	38.45	-30.85	1.10 V	11	78.20	-70.60

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
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	825.50	16.42	38.45	-22.03	1.10 H	8	87.20	-70.78
2	836.50	16.16	38.45	-22.29	1.10 H	7	86.90	-70.74
3	847.50	**16.59**	38.45	-21.86	1.05 H	12	87.20	-70.61
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	825.50	7.62	38.45	-30.83	1.04 V	8	78.40	-70.78
2	836.50	7.76	38.45	-30.69	1.07 V	10	78.50	-70.74
3	847.50	7.79	38.45	-30.66	1.03 V	7	78.40	-70.61

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
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	826.50	16.31	38.45	-22.14	1.08 H	9	87.10	-70.79
2	836.50	16.36	38.45	-22.09	1.12 H	14	87.10	-70.74
3	846.50	**16.88**	38.45	-21.57	1.06 H	11	87.50	-70.62
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	826.50	7.21	38.45	-31.24	1.06 V	13	78.00	-70.79
2	836.50	7.56	38.45	-30.89	1.04 V	11	78.30	-70.74
3	846.50	7.78	38.45	-30.67	1.09 V	10	78.40	-70.62

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
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	829.00	16.00	38.45	-22.45	1.05 H	11	86.80	-70.80
2	836.50	**16.46**	38.45	-21.99	1.09 H	9	87.20	-70.74
3	844.00	16.16	38.45	-22.29	1.05 H	7	86.80	-70.64
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	829.00	7.70	38.45	-30.75	1.03 V	14	78.50	-70.80
2	836.50	7.66	38.45	-30.79	1.04 V	7	78.40	-70.74
3	844.00	7.96	38.45	-30.49	1.02 V	7	78.60	-70.64

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 7

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	13.40	33.00	-19.60	1.20 H	224	76.23	-62.83
2	2535.00	13.20	33.00	-19.80	1.15 H	221	75.82	-62.62
3	2567.50	13.40	33.00	-19.60	1.17 H	220	75.86	-62.46
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	20.90	33.00	-12.10	2.21 V	244	83.73	-62.83
2	2535.00	21.00	33.00	-12.00	2.15 V	237	83.62	-62.62
3	2567.50	20.80	33.00	-12.20	2.23 V	243	83.26	-62.46

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	13.10	33.00	-19.90	1.20 H	226	75.91	-62.81
2	2535.00	11.30	33.00	-21.70	1.19 H	221	73.92	-62.62
3	2565.00	13.70	33.00	-19.30	1.23 H	222	76.17	-62.47
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	21.20	33.00	-11.80	2.18 V	237	84.01	-62.81
2	2535.00	20.80	33.00	-12.20	2.25 V	242	83.42	-62.62
3	2565.00	20.90	33.00	-12.10	2.23 V	240	83.37	-62.47

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	13.50	33.00	-19.50	1.21 H	222	76.29	-62.79
2	2535.00	13.40	33.00	-19.60	1.23 H	217	76.02	-62.62
3	2562.50	13.60	33.00	-19.40	1.20 H	219	76.07	-62.47
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	21.10	33.00	-11.90	2.19 V	244	83.89	-62.79
2	2535.00	20.90	33.00	-12.10	2.17 V	243	83.52	-62.62
3	2562.50	21.00	33.00	-12.00	2.15 V	239	83.47	-62.47

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	13.60	33.00	-19.40	1.19 H	219	76.38	-62.78
2	2535.00	13.50	33.00	-19.50	1.21 H	222	76.12	-62.62
3	2560.00	13.20	33.00	-19.80	1.23 H	227	75.68	-62.48
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	21.00	33.00	-12.00	2.21 V	241	83.78	-62.78
2	2535.00	21.40	33.00	-11.60	2.23 V	238	84.02	-62.62
3	2560.00	21.20	33.00	-11.80	2.20 V	242	83.68	-62.48

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	12.90	33.00	-20.10	1.23 H	223	75.73	-62.83
2	2535.00	12.50	33.00	-20.50	1.21 H	219	75.12	-62.62
3	2567.50	12.40	33.00	-20.60	1.15 H	221	74.86	-62.46
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	19.90	33.00	-13.10	2.22 V	247	82.73	-62.83
2	2535.00	20.20	33.00	-12.80	2.16 V	242	82.82	-62.62
3	2567.50	19.70	33.00	-13.30	2.15 V	238	82.16	-62.46

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	12.70	33.00	-20.30	1.18 H	222	75.51	-62.81
2	2535.00	12.30	33.00	-20.70	1.19 H	221	74.92	-62.62
3	2565.00	12.60	33.00	-20.40	1.18 H	225	75.07	-62.47
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	20.30	33.00	-12.70	2.16 V	244	83.11	-62.81
2	2535.00	20.10	33.00	-12.90	2.17 V	243	82.72	-62.62
3	2565.00	20.20	33.00	-12.80	2.25 V	243	82.67	-62.47

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	12.60	33.00	-20.40	1.25 H	218	75.39	-62.79
2	2535.00	12.70	33.00	-20.30	1.25 H	220	75.32	-62.62
3	2562.50	12.80	33.00	-20.20	1.24 H	218	75.27	-62.47
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	19.90	33.00	-13.10	2.24 V	240	82.69	-62.79
2	2535.00	19.80	33.00	-13.20	2.20 V	237	82.42	-62.62
3	2562.50	20.20	33.00	-12.80	2.16 V	240	82.67	-62.47

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	12.50	33.00	-20.50	1.18 H	222	75.28	-62.78
2	2535.00	12.40	33.00	-20.60	1.25 H	217	75.02	-62.62
3	2560.00	12.40	33.00	-20.60	1.19 H	220	74.88	-62.48
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	20.00	33.00	-13.00	2.18 V	237	82.78	-62.78
2	2535.00	20.40	33.00	-12.60	2.16 V	241	83.02	-62.62
3	2560.00	20.10	33.00	-12.90	2.21 V	239	82.58	-62.48

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	12.30	33.00	-20.70	1.17 H	220	75.13	-62.83
2	2535.00	11.90	33.00	-21.10	1.21 H	222	74.52	-62.62
3	2567.50	11.80	33.00	-21.20	1.22 H	218	74.26	-62.46
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	19.50	33.00	-13.50	2.24 V	239	82.33	-62.83
2	2535.00	19.80	33.00	-13.20	2.19 V	241	82.42	-62.62
3	2567.50	19.20	33.00	-13.80	2.16 V	237	81.66	-62.46

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	12.30	33.00	-20.70	1.22 H	224	75.11	-62.81
2	2535.00	12.00	33.00	-21.00	1.22 H	220	74.62	-62.62
3	2565.00	12.10	33.00	-20.90	1.17 H	218	74.57	-62.47
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	19.90	33.00	-13.10	2.19 V	242	82.71	-62.81
2	2535.00	19.60	33.00	-13.40	2.25 V	237	82.22	-62.62
3	2565.00	19.70	33.00	-13.30	2.21 V	238	82.17	-62.47

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	12.00	33.00	-21.00	1.20 H	218	74.79	-62.79
2	2535.00	12.20	33.00	-20.80	1.16 H	223	74.82	-62.62
3	2562.50	12.40	33.00	-20.60	1.23 H	215	74.87	-62.47
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	19.40	33.00	-13.60	2.16 V	239	82.19	-62.79
2	2535.00	19.50	33.00	-13.50	2.18 V	245	82.12	-62.62
3	2562.50	19.80	33.00	-13.20	2.22 V	238	82.27	-62.47

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	11.50	33.00	-21.50	1.22 H	225	74.28	-62.78
2	2535.00	11.90	33.00	-21.10	1.26 H	221	74.52	-62.62
3	2560.00	12.00	33.00	-21.00	1.17 H	218	74.48	-62.48
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	19.60	33.00	-13.40	2.25 V	242	82.38	-62.78
2	2535.00	19.90	33.00	-13.10	2.19 V	244	82.52	-62.62
3	2560.00	19.70	33.00	-13.30	2.15 V	246	82.18	-62.48

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	10.90	33.00	-22.10	1.21 H	224	73.73	-62.83
2	2535.00	10.50	33.00	-22.50	1.24 H	225	73.12	-62.62
3	2567.50	10.40	33.00	-22.60	1.25 H	226	72.86	-62.46
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	18.00	33.00	-15.00	2.21 V	244	80.83	-62.83
2	2535.00	18.40	33.00	-14.60	2.23 V	239	81.02	-62.62
3	2567.50	17.90	33.00	-15.10	2.23 V	231	80.36	-62.46

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	10.70	33.00	-22.30	1.20 H	225	73.51	-62.81
2	2535.00	10.30	33.00	-22.70	1.23 H	221	72.92	-62.62
3	2565.00	10.40	33.00	-22.60	1.21 H	220	72.87	-62.47
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	18.50	33.00	-14.50	2.25 V	239	81.31	-62.81
2	2535.00	18.20	33.00	-14.80	2.19 V	244	80.82	-62.62
3	2565.00	18.30	33.00	-14.70	2.20 V	242	80.77	-62.47

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	10.40	33.00	-22.60	1.23 H	220	73.19	-62.79
2	2535.00	10.70	33.00	-22.30	1.21 H	223	73.32	-62.62
3	2562.50	10.90	33.00	-22.10	1.25 H	218	73.37	-62.47
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	18.00	33.00	-15.00	2.17 V	238	80.79	-62.79
2	2535.00	17.80	33.00	-15.20	2.23 V	240	80.42	-62.62
3	2562.50	18.20	33.00	-14.80	2.15 V	242	80.67	-62.47

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	10.20	33.00	-22.80	1.22 H	225	72.98	-62.78
2	2535.00	10.40	33.00	-22.60	1.20 H	218	73.02	-62.62
3	2560.00	10.60	33.00	-22.40	1.19 H	222	73.08	-62.48
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	18.20	33.00	-14.80	2.18 V	238	80.98	-62.78
2	2535.00	18.50	33.00	-14.50	2.20 V	242	81.12	-62.62
3	2560.00	18.30	33.00	-14.70	2.24 V	244	80.78	-62.48

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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 12

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	22.90	34.77	-11.87	1.31 H	170	93.16	-70.26
2	707.50	23.00	34.77	-11.77	1.29 H	171	93.26	-70.26
3	715.30	22.80	34.77	-11.97	1.26 H	171	93.06	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	14.10	34.77	-20.67	1.50 V	332	84.36	-70.26
2	707.50	14.40	34.77	-20.37	1.48 V	330	84.66	-70.26
3	715.30	14.80	34.77	-19.97	1.52 V	332	85.06	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	22.80	34.77	-11.97	1.29 H	167	93.06	-70.26
2	707.50	22.50	34.77	-12.27	1.33 H	169	92.76	-70.26
3	714.50	23.00	34.77	-11.77	1.24 H	177	93.26	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	14.20	34.77	-20.57	1.52 V	337	84.46	-70.26
2	707.50	14.50	34.77	-20.27	1.54 V	330	84.76	-70.26
3	714.50	14.60	34.77	-20.17	1.57 V	335	84.86	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	22.50	34.77	-12.27	1.35 H	167	92.76	-70.26
2	707.50	22.80	34.77	-11.97	1.32 H	169	93.06	-70.26
3	713.50	22.80	34.77	-11.97	1.28 H	173	93.06	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	14.00	34.77	-20.77	1.52 V	336	84.26	-70.26
2	707.50	14.10	34.77	-20.67	1.55 V	335	84.36	-70.26
3	713.50	14.20	34.77	-20.57	1.48 V	333	84.46	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	22.80	34.77	-11.97	1.33 H	169	93.06	-70.26
2	707.50	23.00	34.77	-11.77	1.31 H	172	93.26	-70.26
3	711.00	23.00	34.77	-11.77	1.30 H	173	93.26	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	14.90	34.77	-19.87	1.45 V	335	85.16	-70.26
2	707.50	14.70	34.77	-20.07	1.53 V	333	84.96	-70.26
3	711.00	14.50	34.77	-20.27	1.47 V	335	84.76	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	21.90	34.77	-12.87	1.26 H	173	92.16	-70.26
2	707.50	21.80	34.77	-12.97	1.25 H	175	92.06	-70.26
3	715.30	21.70	34.77	-13.07	1.25 H	168	91.96	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	13.00	34.77	-21.77	1.54 V	337	83.26	-70.26
2	707.50	13.40	34.77	-21.37	1.49 V	332	83.66	-70.26
3	715.30	13.50	34.77	-21.27	1.45 V	330	83.76	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	21.80	34.77	-12.97	1.35 H	169	92.06	-70.26
2	707.50	21.60	34.77	-13.17	1.26 H	174	91.86	-70.26
3	714.50	22.00	34.77	-12.77	1.32 H	174	92.26	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	13.40	34.77	-21.37	1.51 V	334	83.66	-70.26
2	707.50	13.70	34.77	-21.07	1.52 V	330	83.96	-70.26
3	714.50	13.80	34.77	-20.97	1.50 V	338	84.06	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	21.60	34.77	-13.17	1.33 H	169	91.86	-70.26
2	707.50	21.90	34.77	-12.87	1.30 H	170	92.16	-70.26
3	713.50	21.80	34.77	-12.97	1.28 H	174	92.06	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	13.20	34.77	-21.57	1.55 V	332	83.46	-70.26
2	707.50	13.00	34.77	-21.77	1.50 V	330	83.26	-70.26
3	713.50	13.30	34.77	-21.47	1.46 V	339	83.56	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	21.80	34.77	-12.97	1.29 H	172	92.06	-70.26
2	707.50	22.00	34.77	-12.77	1.32 H	170	92.26	-70.26
3	711.00	22.10	34.77	-12.67	1.28 H	175	92.36	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	13.80	34.77	-20.97	1.50 V	337	84.06	-70.26
2	707.50	13.90	34.77	-20.87	1.51 V	333	84.16	-70.26
3	711.00	13.50	34.77	-21.27	1.54 V	333	83.76	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	21.30	34.77	-13.47	1.32 H	175	91.56	-70.26
2	707.50	21.20	34.77	-13.57	1.27 H	171	91.46	-70.26
3	715.30	21.40	34.77	-13.37	1.28 H	171	91.66	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	12.70	34.77	-22.07	1.46 V	334	82.96	-70.26
2	707.50	13.00	34.77	-21.77	1.52 V	334	83.26	-70.26
3	715.30	13.20	34.77	-21.57	1.46 V	334	83.46	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	21.20	34.77	-13.57	1.30 H	172	91.46	-70.26
2	707.50	21.00	34.77	-13.77	1.45 H	335	91.26	-70.26
3	714.50	21.50	34.77	-13.27	1.32 H	168	91.76	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	13.00	34.77	-21.77	1.55 V	336	83.26	-70.26
2	707.50	13.20	34.77	-21.57	1.47 V	333	83.46	-70.26
3	714.50	13.40	34.77	-21.37	1.52 V	336	83.66	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	21.00	34.77	-13.77	1.35 H	173	91.26	-70.26
2	707.50	21.30	34.77	-13.47	1.35 H	168	91.56	-70.26
3	713.50	21.20	34.77	-13.57	1.25 H	171	91.46	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	12.80	34.77	-21.97	1.51 V	330	83.06	-70.26
2	707.50	12.50	34.77	-22.27	1.52 V	335	82.76	-70.26
3	713.50	12.70	34.77	-22.07	1.55 V	337	82.96	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	21.20	34.77	-13.57	1.29 H	167	91.46	-70.26
2	707.50	21.70	34.77	-13.07	1.29 H	170	91.96	-70.26
3	711.00	21.50	34.77	-13.27	1.33 H	171	91.76	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	13.10	34.77	-21.67	1.49 V	334	83.36	-70.26
2	707.50	13.20	34.77	-21.57	1.52 V	336	83.46	-70.26
3	711.00	13.00	34.77	-21.77	1.48 V	335	83.26	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	19.80	34.77	-14.97	1.32 H	170	90.06	-70.26
2	707.50	19.70	34.77	-15.07	1.25 H	172	89.96	-70.26
3	715.30	19.60	34.77	-15.17	1.29 H	166	89.86	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	10.90	34.77	-23.87	1.46 V	337	81.16	-70.26
2	707.50	11.20	34.77	-23.57	1.49 V	339	81.46	-70.26
3	715.30	11.30	34.77	-23.47	1.50 V	340	81.56	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	19.60	34.77	-15.17	1.31 H	177	89.86	-70.26
2	707.50	19.50	34.77	-15.27	1.25 H	167	89.76	-70.26
3	714.50	19.70	34.77	-15.07	1.32 H	168	89.96	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	11.50	34.77	-23.27	1.49 V	331	81.76	-70.26
2	707.50	11.60	34.77	-23.17	1.48 V	335	81.86	-70.26
3	714.50	11.70	34.77	-23.07	1.52 V	334	81.96	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	19.60	34.77	-15.17	1.27 H	172	89.86	-70.26
2	707.50	19.90	34.77	-14.87	1.31 H	171	90.16	-70.26
3	713.50	19.80	34.77	-14.97	1.25 H	175	90.06	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	11.30	34.77	-23.47	1.49 V	335	81.56	-70.26
2	707.50	11.10	34.77	-23.67	1.50 V	337	81.36	-70.26
3	713.50	11.20	34.77	-23.57	1.53 V	332	81.46	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	20.00	34.77	-14.77	1.35 H	174	90.26	-70.26
2	707.50	20.20	34.77	-14.57	1.26 H	172	90.46	-70.26
3	711.00	20.10	34.77	-14.67	1.25 H	169	90.36	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	11.80	34.77	-22.97	1.52 V	336	82.06	-70.26
2	707.50	11.70	34.77	-23.07	1.54 V	333	81.96	-70.26
3	711.00	11.50	34.77	-23.27	1.53 V	330	81.76	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	20.90	34.77	-13.87	1.05 H	48	86.90	-66.00
2	782.00	21.30	34.77	-13.47	1.10 H	46	87.21	-65.91
3	784.50	21.40	34.77	-13.37	1.01 H	48	87.22	-65.82
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	14.10	34.77	-20.67	1.97 V	93	80.10	-66.00
2	782.00	14.00	34.77	-20.77	2.00 V	90	79.91	-65.91
3	784.50	14.80	34.77	-19.97	1.98 V	90	80.62	-65.82

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	21.60	34.77	-13.17	1.02 H	42	87.51	-65.91
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	15.00	34.77	-19.77	1.97 V	91	80.91	-65.91

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	19.90	34.77	-14.87	1.07 H	42	85.90	-66.00
2	782.00	20.20	34.77	-14.57	1.06 H	44	86.11	-65.91
3	784.50	20.30	34.77	-14.47	1.06 H	47	86.12	-65.82
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	13.20	34.77	-21.57	1.91 V	90	79.20	-66.00
2	782.00	12.80	34.77	-21.97	1.90 V	90	78.71	-65.91
3	784.50	13.70	34.77	-21.07	1.90 V	92	79.52	-65.82

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	20.60	34.77	-14.17	1.01 H	44	86.51	-65.91
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	14.10	34.77	-20.67	1.98 V	96	80.01	-65.91

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	19.40	34.77	-15.37	1.03 H	46	85.40	-66.00
2	782.00	20.10	34.77	-14.67	1.09 H	42	86.01	-65.91
3	784.50	19.70	34.77	-15.07	1.00 H	47	85.52	-65.82
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	12.70	34.77	-22.07	1.90 V	91	78.70	-66.00
2	782.00	12.20	34.77	-22.57	1.93 V	95	78.11	-65.91
3	784.50	13.10	34.77	-21.67	1.93 V	93	78.92	-65.82

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	20.00	34.77	-14.77	1.03 H	41	85.91	-65.91
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	13.50	34.77	-21.27	1.91 V	95	79.41	-65.91

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	18.00	34.77	-16.77	1.10 H	41	84.00	-66.00
2	782.00	18.60	34.77	-16.17	1.06 H	46	84.51	-65.91
3	784.50	18.30	34.77	-16.47	1.05 H	45	84.12	-65.82
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	11.10	34.77	-23.67	1.95 V	90	77.10	-66.00
2	782.00	10.60	34.77	-24.17	1.96 V	89	76.51	-65.91
3	784.50	11.60	34.77	-23.17	1.99 V	96	77.42	-65.82

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	18.60	34.77	-16.17	1.06 H	46	84.51	-65.91
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	12.00	34.77	-22.77	1.92 V	96	77.91	-65.91

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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
n66
Modulation Type: $\pi/2$ BPSK
n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	10.8	30.0	-19.2	1.73 H	153	77.2	-66.4
2	1745.00	11.5	30.0	-18.5	1.79 H	147	77.8	-66.3
3	1777.50	11.1	30.0	-18.9	1.75 H	154	77.4	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	21.8	30.0	-8.2	1.02 V	249	88.2	-66.4
2	1745.00	21.5	30.0	-8.5	1.05 V	240	87.8	-66.3
3	1777.50	22.0	30.0	-8.0	1.00 V	252	88.3	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	11.2	30.0	-18.8	1.74 H	152	77.6	-66.4
2	1745.00	11.0	30.0	-19.0	1.75 H	153	77.3	-66.3
3	1775.00	10.8	30.0	-19.2	1.75 H	155	77.1	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	22.0	30.0	-8.0	1.11 V	247	88.4	-66.4
2	1745.00	21.8	30.0	-8.2	1.10 V	245	88.1	-66.3
3	1775.00	21.7	30.0	-8.3	1.11 V	248	88.0	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	11.5	30.0	-18.5	1.81 H	149	77.9	-66.4
2	1745.00	11.1	30.0	-18.9	1.80 H	152	77.4	-66.3
3	1772.50	11.0	30.0	-19.0	1.57 H	244	77.3	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	22.0	30.0	-8.0	1.14 V	244	88.4	-66.4
2	1745.00	21.9	30.0	-8.1	1.15 V	245	88.2	-66.3
3	1772.50	21.5	30.0	-8.5	1.07 V	246	87.8	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	11.7	30.0	-18.3	1.79 H	145	78.1	-66.4
2	1745.00	11.5	30.0	-18.5	1.74 H	147	77.8	-66.3
3	1770.00	11.0	30.0	-19.0	1.80 H	150	77.3	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	21.9	30.0	-8.1	1.10 V	246	88.3	-66.4
2	1745.00	21.7	30.0	-8.3	1.15 V	246	88.0	-66.3
3	1770.00	21.6	30.0	-8.4	1.05 V	252	87.9	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	11.8	30.0	-18.2	1.82 H	149	78.2	-66.4
2	1745.00	10.8	30.0	-19.2	1.78 H	150	77.1	-66.3
3	1765.00	11.1	30.0	-18.9	1.82 H	150	77.4	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	22.2	30.0	-7.8	1.16 V	243	88.6	-66.4
2	1745.00	21.9	30.0	-8.1	1.15 V	243	88.2	-66.3
3	1765.00	21.8	30.0	-8.2	1.10 V	245	88.1	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	11.5	30.0	-18.5	1.89 H	148	77.8	-66.3
2	1745.00	12.0	30.0	-18.0	1.85 H	149	78.3	-66.3
3	1760.00	11.6	30.0	-18.4	1.76 H	149	77.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	22.5	30.0	-7.5	1.16 V	239	88.8	-66.3
2	1745.00	22.3	30.0	-7.7	1.15 V	249	88.6	-66.3
3	1760.00	22.2	30.0	-7.8	1.16 V	240	88.5	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	10.6	30.0	-19.4	1.73 H	151	77.0	-66.4
2	1745.00	11.4	30.0	-18.6	1.80 H	147	77.7	-66.3
3	1777.50	11.2	30.0	-18.8	1.74 H	153	77.5	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	21.7	30.0	-8.3	1.02 V	248	88.1	-66.4
2	1745.00	21.6	30.0	-8.4	1.05 V	242	87.9	-66.3
3	1777.50	**21.9**	30.0	-8.1	1.00 V	249	88.2	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	11.0	30.0	-19.0	1.74 H	150	77.4	-66.4
2	1745.00	10.8	30.0	-19.2	1.74 H	152	77.1	-66.3
3	1775.00	10.6	30.0	-19.4	1.75 H	153	76.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	**21.9**	30.0	-8.1	1.11 V	247	88.3	-66.4
2	1745.00	21.6	30.0	-8.4	1.06 V	245	87.9	-66.3
3	1775.00	21.4	30.0	-8.6	1.11 V	244	87.7	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	11.2	30.0	-18.8	1.81 H	148	77.6	-66.4
2	1745.00	10.5	30.0	-19.5	1.81 H	150	76.8	-66.3
3	1772.50	10.9	30.0	-19.1	1.07 H	244	77.2	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	**21.9**	30.0	-8.1	1.14 V	246	88.3	-66.4
2	1745.00	21.8	30.0	-8.2	1.15 V	242	88.1	-66.3
3	1772.50	21.2	30.0	-8.8	1.07 V	244	87.5	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	10.7	30.0	-19.3	1.79 H	147	77.1	-66.4
2	1745.00	10.5	30.0	-19.5	1.74 H	149	76.8	-66.3
3	1770.00	10.5	30.0	-19.5	1.77 H	150	76.8	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	21.4	30.0	-8.6	1.07 V	246	87.8	-66.4
2	1745.00	21.2	30.0	-8.8	1.12 V	246	87.5	-66.3
3	1770.00	21.3	30.0	-8.7	1.07 V	249	87.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	11.1	30.0	-18.9	1.79 H	149	77.5	-66.4
2	1745.00	10.5	30.0	-19.5	1.78 H	152	76.8	-66.3
3	1765.00	10.7	30.0	-19.3	1.81 H	150	77.0	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	21.7	30.0	-8.3	1.16 V	246	88.1	-66.4
2	1745.00	21.7	30.0	-8.3	1.12 V	243	88.0	-66.3
3	1765.00	21.3	30.0	-8.7	1.12 V	245	87.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	10.5	30.0	-19.5	1.79 H	148	76.8	-66.3
2	1745.00	11.0	30.0	-19.0	1.82 H	149	77.3	-66.3
3	1760.00	10.6	30.0	-19.4	1.76 H	151	76.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	21.8	30.0	-8.2	1.15 V	242	88.1	-66.3
2	1745.00	21.3	30.0	-8.7	1.15 V	248	87.6	-66.3
3	1760.00	21.2	30.0	-8.8	1.16 V	245	87.5	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	10.4	30.0	-19.6	1.76 H	152	76.8	-66.4
2	1745.00	9.9	30.0	-20.1	1.76 H	148	76.2	-66.3
3	1777.50	10.5	30.0	-19.5	1.78 H	151	76.8	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	20.7	30.0	-9.3	1.09 V	243	87.1	-66.4
2	1745.00	21.0	30.0	-9.0	1.08 V	244	87.3	-66.3
3	1777.50	20.2	30.0	-9.8	1.11 V	142	86.5	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	10.0	30.0	-20.0	1.72 H	148	76.4	-66.4
2	1745.00	9.6	30.0	-20.4	1.82 H	151	75.9	-66.3
3	1770.00	9.7	30.0	-20.3	1.81 H	150	76.0	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	20.8	30.0	-9.2	1.11 V	248	87.2	-66.4
2	1745.00	20.6	30.0	-9.4	1.14 V	249	86.9	-66.3
3	1775.00	20.6	30.0	-9.4	1.12 V	249	86.9	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	10.1	30.0	-19.9	1.73 H	150	76.5	-66.4
2	1745.00	9.7	30.0	-20.3	1.81 H	151	76.0	-66.3
3	1772.50	9.8	30.0	-20.2	1.82 H	153	76.1	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	20.7	30.0	-9.3	1.11 V	244	87.1	-66.4
2	1745.00	20.8	30.0	-9.2	1.15 V	247	87.1	-66.3
3	1772.50	20.3	30.0	-9.7	1.14 V	243	86.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	9.6	30.0	-20.4	1.81 H	152	76.0	-66.4
2	1745.00	9.7	30.0	-20.3	1.82 H	150	76.0	-66.3
3	1770.00	9.4	30.0	-20.6	1.74 H	154	75.7	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	20.5	30.0	-9.5	1.12 V	242	86.9	-66.4
2	1745.00	20.3	30.0	-9.7	1.07 V	247	86.6	-66.3
3	1770.00	20.4	30.0	-9.6	1.11 V	249	86.7	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	10.1	30.0	-19.9	1.72 H	151	76.5	-66.4
2	1745.00	9.5	30.0	-20.5	1.73 H	149	75.8	-66.3
3	1765.00	9.9	30.0	-20.1	1.81 H	152	76.2	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	20.7	30.0	-9.3	1.08 V	246	87.1	-66.4
2	1745.00	20.9	30.0	-9.1	1.15 V	249	87.2	-66.3
3	1765.00	20.5	30.0	-9.5	1.13 V	247	86.8	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	9.3	30.0	-20.7	1.73 H	151	75.6	-66.3
2	1745.00	10.0	30.0	-20.0	1.73 H	153	76.3	-66.3
3	1760.00	9.7	30.0	-20.3	1.72 H	150	76.0	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	20.7	30.0	-9.3	1.08 V	246	87.0	-66.3
2	1745.00	20.5	30.0	-9.5	1.15 V	242	86.8	-66.3
3	1760.00	20.4	30.0	-9.6	1.12 V	244	86.7	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	10.0	30.0	-20.0	1.80 H	150	76.4	-66.4
2	1745.00	9.5	30.0	-20.5	1.73 H	148	75.8	-66.3
3	1777.50	10.0	30.0	-20.0	1.75 H	150	76.3	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	20.2	30.0	-9.8	1.12 V	246	86.6	-66.4
2	1745.00	20.6	30.0	-9.4	1.12 V	242	86.9	-66.3
3	1777.50	19.8	30.0	-10.2	1.08 V	245	86.1	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	9.5	30.0	-20.5	1.77 H	152	75.9	-66.4
2	1745.00	9.1	30.0	-20.9	1.75 H	154	75.4	-66.3
3	1770.00	9.3	30.0	-20.7	1.72 H	154	75.6	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	20.4	30.0	-9.6	1.15 V	248	86.8	-66.4
2	1745.00	20.0	30.0	-10.0	1.12 V	243	86.3	-66.3
3	1775.00	20.2	30.0	-9.8	1.13 V	242	86.5	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	9.5	30.0	-20.5	1.78 H	147	75.9	-66.4
2	1745.00	9.2	30.0	-20.8	1.79 H	147	75.5	-66.3
3	1772.50	9.3	30.0	-20.7	1.75 H	149	75.6	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	20.2	30.0	-9.8	1.12 V	249	86.6	-66.4
2	1745.00	20.4	30.0	-9.6	1.13 V	249	86.7	-66.3
3	1772.50	19.8	30.0	-10.2	1.06 V	245	86.1	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	9.0	30.0	-21.0	1.81 H	147	75.4	-66.4
2	1745.00	9.2	30.0	-20.8	1.74 H	148	75.5	-66.3
3	1770.00	8.8	30.0	-21.2	1.79 H	147	75.1	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	20.0	30.0	-10.0	1.06 V	246	86.4	-66.4
2	1745.00	19.8	30.0	-10.2	1.06 V	246	86.1	-66.3
3	1770.00	19.9	30.0	-10.1	1.11 V	242	86.2	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	9.7	30.0	-20.3	1.75 H	147	76.1	-66.4
2	1745.00	8.9	30.0	-21.1	1.72 H	148	75.2	-66.3
3	1765.00	9.5	30.0	-20.5	1.75 H	151	75.8	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	20.1	30.0	-9.9	1.07 V	246	86.5	-66.4
2	1745.00	20.4	30.0	-9.6	1.07 V	246	86.7	-66.3
3	1765.00	20.0	30.0	-10.0	1.12 V	246	86.3	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	8.8	30.0	-21.2	1.80 H	147	75.1	-66.3
2	1745.00	9.5	30.0	-20.5	1.80 H	151	75.8	-66.3
3	1760.00	9.2	30.0	-20.8	1.80 H	153	75.5	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	20.1	30.0	-9.9	1.14 V	244	86.4	-66.3
2	1745.00	20.1	30.0	-9.9	1.07 V	247	86.4	-66.3
3	1760.00	20.0	30.0	-10.0	1.14 V	245	86.3	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 5MHz

MODE	TX channel 342500, 349000, 355500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	8.5	30.0	-21.5	1.81 H	148	74.9	-66.4
2	1745.00	7.9	30.0	-22.1	1.72 H	154	74.2	-66.3
3	1777.50	8.5	30.0	-21.5	1.79 H	152	74.8	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1712.50	18.6	30.0	-11.4	1.12 V	247	85.0	-66.4
2	1745.00	19.0	30.0	-11.0	1.12 V	243	85.3	-66.3
3	1777.50	18.3	30.0	-11.7	1.07 V	247	84.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 10MHz

MODE	TX channel 343000, 349000, 355000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	8.1	30.0	-21.9	1.72 H	152	74.5	-66.4
2	1745.00	7.5	30.0	-22.5	1.81 H	149	73.8	-66.3
3	1770.00	7.7	30.0	-22.3	1.73 H	148	74.0	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1715.00	18.9	30.0	-11.1	1.14 V	246	85.3	-66.4
2	1745.00	18.5	30.0	-11.5	1.06 V	245	84.8	-66.3
3	1775.00	18.6	30.0	-11.4	1.06 V	248	84.9	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 15MHz

MODE	TX channel 343500, 349000, 354500							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	8.0	30.0	-22.0	1.82 H	152	74.4	-66.4
2	1745.00	7.7	30.0	-22.3	1.79 H	152	74.0	-66.3
3	1772.50	7.8	30.0	-22.2	1.82 H	151	74.1	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1717.50	18.5	30.0	-11.5	1.16 V	249	84.9	-66.4
2	1745.00	18.9	30.0	-11.1	1.08 V	245	85.2	-66.3
3	1772.50	18.1	30.0	-11.9	1.07 V	249	84.4	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 20MHz

MODE	TX channel 344000, 349000, 354000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	7.4	30.0	-22.6	1.81 H	149	73.8	-66.4
2	1745.00	7.6	30.0	-22.4	1.73 H	148	73.9	-66.3
3	1770.00	7.2	30.0	-22.8	1.72 H	153	73.5	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1720.00	18.3	30.0	-11.7	1.15 V	249	84.7	-66.4
2	1745.00	18.3	30.0	-11.7	1.06 V	246	84.6	-66.3
3	1770.00	18.4	30.0	-11.6	1.15 V	247	84.7	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 30MHz

MODE	TX channel 345000, 349000, 353000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	8.2	30.0	-21.8	1.82 H	154	74.6	-66.4
2	1745.00	7.3	30.0	-22.7	1.82 H	152	73.6	-66.3
3	1765.00	7.9	30.0	-22.1	1.76 H	149	74.2	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1725.00	18.6	30.0	-11.4	1.16 V	246	85.0	-66.4
2	1745.00	18.7	30.0	-11.3	1.16 V	247	85.0	-66.3
3	1765.00	18.5	30.0	-11.5	1.14 V	247	84.8	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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

n66, Channel Bandwidth 40MHz

MODE	TX channel 346000, 349000, 352000							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	7.2	30.0	-22.8	1.72 H	152	73.5	-66.3
2	1745.00	7.9	30.0	-22.1	1.73 H	154	74.2	-66.3
3	1760.00	7.6	30.0	-22.4	1.81 H	154	73.9	-66.3
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	1730.00	18.6	30.0	-11.4	1.10 V	248	84.9	-66.3
2	1745.00	18.6	30.0	-11.4	1.13 V	245	84.9	-66.3
3	1760.00	18.3	30.0	-11.7	1.09 V	242	84.6	-66.3

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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 2

Modulation Type: QPSK

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
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	1850.70	11.0	33.0	-22.0	3.91 H	16	77.3	-66.3
2	1880.00	11.3	33.0	-21.7	3.87 H	16	77.4	-66.1
3	1909.30	11.3	33.0	-21.7	3.94 H	11	77.3	-66.0
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	1850.70	17.5	33.0	-15.5	1.09 V	318	83.8	-66.3
2	1880.00	17.8	33.0	-15.2	1.07 V	318	83.9	-66.1
3	1909.30	17.7	33.0	-15.3	1.05 V	317	83.7	-66.0

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 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
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	1851.50	11.1	33.0	-21.9	3.91 H	14	77.4	-66.3
2	1880.00	11.0	33.0	-22.0	3.87 H	16	77.1	-66.1
3	1908.50	11.3	33.0	-21.7	3.88 H	17	77.3	-66.0
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	1851.50	17.9	33.0	-15.1	1.08 V	321	84.2	-66.3
2	1880.00	17.6	33.0	-15.4	1.11 V	320	83.7	-66.1
3	1908.50	17.9	33.0	-15.1	1.06 V	317	83.9	-66.0

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 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
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	1852.50	11.2	33.0	-21.8	3.94 H	12	77.5	-66.3
2	1880.00	11.4	33.0	-21.6	3.92 H	17	77.5	-66.1
3	1907.50	11.1	33.0	-21.9	3.88 H	13	77.1	-66.0
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	1852.50	17.5	33.0	-15.5	1.05 V	317	83.8	-66.3
2	1880.00	17.7	33.0	-15.3	1.07 V	319	83.8	-66.1
3	1907.50	17.6	33.0	-15.4	1.10 V	317	83.6	-66.0

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 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
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	1855.00	11.3	33.0	-21.7	3.86 H	12	77.5	-66.2
2	1880.00	11.0	33.0	-22.0	3.93 H	12	77.1	-66.1
3	1905.00	11.0	33.0	-22.0	3.87 H	11	77.0	-66.0
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	1855.00	17.6	33.0	-15.4	1.04 V	318	83.8	-66.2
2	1880.00	17.5	33.0	-15.5	1.07 V	323	83.6	-66.1
3	1905.00	17.7	33.0	-15.3	1.13 V	316	83.7	-66.0

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 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
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	1857.50	11.4	33.0	-21.6	3.89 H	18	77.6	-66.2
2	1880.00	11.2	33.0	-21.8	3.85 H	11	77.3	-66.1
3	1902.50	11.2	33.0	-21.8	3.92 H	15	77.2	-66.0
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	1857.50	17.7	33.0	-15.3	1.13 V	316	83.9	-66.2
2	1880.00	17.9	33.0	-15.1	1.07 V	317	84.0	-66.1
3	1902.50	17.9	33.0	-15.1	1.03 V	317	83.9	-66.0

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 2, Channel Bandwidth 20MHz

Mode	TX channel 18700, 18900, 19100							
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	1860.00	11.1	33.0	-21.9	3.93 H	13	77.3	-66.2
2	1880.00	11.5	33.0	-21.5	3.86 H	13	77.6	-66.1
3	1900.00	11.2	33.0	-21.8	3.91 H	13	77.2	-66.0
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	1860.00	17.9	33.0	-15.1	1.11 V	323	84.1	-66.2
2	1880.00	18.0	33.0	-15.0	1.03 V	316	84.1	-66.1
3	1900.00	17.7	33.0	-15.3	1.04 V	321	83.7	-66.0

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 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
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	1850.70	10.2	33.0	-22.8	3.95 H	15	76.5	-66.3
2	1880.00	10.4	33.0	-22.6	3.94 H	13	76.5	-66.1
3	1909.30	10.4	33.0	-22.6	3.89 H	16	76.4	-66.0
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	1850.70	16.7	33.0	-16.3	1.10 V	322	83.0	-66.3
2	1880.00	16.9	33.0	-16.1	1.13 V	318	83.0	-66.1
3	1909.30	16.7	33.0	-16.3	1.09 V	317	82.7	-66.0

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 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
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	1851.50	10.1	33.0	-22.9	3.86 H	11	76.4	-66.3
2	1880.00	9.8	33.0	-23.2	3.94 H	12	75.9	-66.1
3	1908.50	10.3	33.0	-22.7	3.95 H	16	76.3	-66.0
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	1851.50	17.1	33.0	-15.9	1.07 V	318	83.4	-66.3
2	1880.00	16.6	33.0	-16.4	1.05 V	323	82.7	-66.1
3	1908.50	17.1	33.0	-15.9	1.06 V	323	83.1	-66.0

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 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
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	1852.50	10.4	33.0	-22.6	3.90 H	11	76.7	-66.3
2	1880.00	10.4	33.0	-22.6	3.94 H	13	76.5	-66.1
3	1907.50	10.1	33.0	-22.9	3.87 H	15	76.1	-66.0
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	1852.50	16.7	33.0	-16.3	1.05 V	320	83.0	-66.3
2	1880.00	16.6	33.0	-16.4	1.03 V	317	82.7	-66.1
3	1907.50	16.4	33.0	-16.6	1.09 V	316	82.4	-66.0

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 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
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	1855.00	10.3	33.0	-22.7	3.89 H	15	76.5	-66.2
2	1880.00	9.8	33.0	-23.2	3.87 H	14	75.9	-66.1
3	1905.00	10.2	33.0	-22.8	3.87 H	12	76.2	-66.0
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	1855.00	16.5	33.0	-16.5	1.03 V	319	82.7	-66.2
2	1880.00	16.7	33.0	-16.3	1.08 V	316	82.8	-66.1
3	1905.00	16.7	33.0	-16.3	1.06 V	321	82.7	-66.0

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 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
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	1857.50	10.2	33.0	-22.8	3.85 H	14	76.4	-66.2
2	1880.00	10.3	33.0	-22.7	3.87 H	17	76.4	-66.1
3	1902.50	10.4	33.0	-22.6	3.87 H	17	76.4	-66.0
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	1857.50	16.8	33.0	-16.2	1.06 V	317	83.0	-66.2
2	1880.00	16.9	33.0	-16.1	1.12 V	316	83.0	-66.1
3	1902.50	16.8	33.0	-16.2	1.04 V	319	82.8	-66.0

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 2, Channel Bandwidth 20MHz

Mode	TX channel 18700, 18900, 19100							
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	1860.00	10.0	33.0	-23.0	3.86 H	18	76.2	-66.2
2	1880.00	10.7	33.0	-22.3	3.94 H	14	76.8	-66.1
3	1900.00	10.2	33.0	-22.8	3.86 H	17	76.2	-66.0
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	1860.00	16.9	33.0	-16.1	1.11 V	321	83.1	-66.2
2	1880.00	16.9	33.0	-16.1	1.06 V	322	83.0	-66.1
3	1900.00	16.7	33.0	-16.3	1.09 V	320	82.7	-66.0

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 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
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	1850.70	9.6	33.0	-23.4	3.86 H	16	75.9	-66.3
2	1880.00	9.8	33.0	-23.2	3.94 H	14	75.9	-66.1
3	1909.30	9.9	33.0	-23.1	3.88 H	16	75.9	-66.0
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	1850.70	16.1	33.0	-16.9	1.09 V	319	82.4	-66.3
2	1880.00	16.3	33.0	-16.7	1.11 V	321	82.4	-66.1
3	1909.30	16.3	33.0	-16.7	1.05 V	317	82.3	-66.0

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 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
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	1851.50	9.5	33.0	-23.5	3.90 H	11	75.8	-66.3
2	1880.00	9.4	33.0	-23.6	3.90 H	12	75.5	-66.1
3	1908.50	9.9	33.0	-23.1	3.95 H	18	75.9	-66.0
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	1851.50	16.6	33.0	-16.4	1.11 V	319	82.9	-66.3
2	1880.00	16.2	33.0	-16.8	1.04 V	322	82.3	-66.1
3	1908.50	16.5	33.0	-16.5	1.13 V	321	82.5	-66.0

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 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
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	1852.50	9.9	33.0	-23.1	3.87 H	12	76.2	-66.3
2	1880.00	10.0	33.0	-23.0	3.88 H	15	76.1	-66.1
3	1907.50	9.6	33.0	-23.4	3.90 H	12	75.6	-66.0
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	1852.50	16.3	33.0	-16.7	1.04 V	321	82.6	-66.3
2	1880.00	16.2	33.0	-16.8	1.08 V	320	82.3	-66.1
3	1907.50	15.9	33.0	-17.1	1.13 V	318	81.9	-66.0

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 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
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	1855.00	9.8	33.0	-23.2	3.88 H	14	76.0	-66.2
2	1880.00	9.3	33.0	-23.7	3.95 H	13	75.4	-66.1
3	1905.00	9.8	33.0	-23.2	3.93 H	13	75.8	-66.0
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	1855.00	15.9	33.0	-17.1	1.03 V	321	82.1	-66.2
2	1880.00	16.2	33.0	-16.8	1.04 V	319	82.3	-66.1
3	1905.00	16.1	33.0	-16.9	1.04 V	321	82.1	-66.0

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 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
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	1857.50	9.6	33.0	-23.4	3.86 H	13	75.8	-66.2
2	1880.00	9.9	33.0	-23.1	3.88 H	16	76.0	-66.1
3	1902.50	10.0	33.0	-23.0	3.87 H	16	76.0	-66.0
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	1857.50	16.2	33.0	-16.8	1.12 V	323	82.4	-66.2
2	1880.00	16.4	33.0	-16.6	1.04 V	320	82.5	-66.1
3	1902.50	16.4	33.0	-16.6	1.05 V	317	82.4	-66.0

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 2, Channel Bandwidth 20MHz

Mode	TX channel 18700, 18900, 19100							
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	1860.00	9.5	33.0	-23.5	3.90 H	11	75.7	-66.2
2	1880.00	10.2	33.0	-22.8	3.88 H	13	76.3	-66.1
3	1900.00	9.7	33.0	-23.3	3.91 H	11	75.7	-66.0
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	1860.00	16.5	33.0	-16.5	1.06 V	319	82.7	-66.2
2	1880.00	16.4	33.0	-16.6	1.07 V	319	82.5	-66.1
3	1900.00	16.2	33.0	-16.8	1.09 V	316	82.2	-66.0

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 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
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	1850.70	8.1	33.0	-24.9	3.90 H	15	74.4	-66.3
2	1880.00	8.3	33.0	-24.7	3.87 H	13	74.4	-66.1
3	1909.30	8.4	33.0	-24.6	3.92 H	15	74.4	-66.0
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	1850.70	14.5	33.0	-18.5	1.07 V	322	80.8	-66.3
2	1880.00	14.7	33.0	-18.3	1.04 V	320	80.8	-66.1
3	1909.30	14.7	33.0	-18.3	1.05 V	319	80.7	-66.0

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 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
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	1851.50	8.1	33.0	-24.9	3.92 H	14	74.4	-66.3
2	1880.00	8.0	33.0	-25.0	3.95 H	17	74.1	-66.1
3	1908.50	8.5	33.0	-24.5	3.87 H	11	74.5	-66.0
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	1851.50	15.2	33.0	-17.8	1.10 V	316	81.5	-66.3
2	1880.00	14.6	33.0	-18.4	1.04 V	319	80.7	-66.1
3	1908.50	15.0	33.0	-18.0	1.09 V	322	81.0	-66.0

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 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
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	1852.50	8.4	33.0	-24.6	3.90 H	17	74.7	-66.3
2	1880.00	8.6	33.0	-24.4	3.95 H	16	74.7	-66.1
3	1907.50	8.1	33.0	-24.9	3.95 H	12	74.1	-66.0
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	1852.50	14.8	33.0	-18.2	1.13 V	320	81.1	-66.3
2	1880.00	14.7	33.0	-18.3	1.05 V	323	80.8	-66.1
3	1907.50	14.5	33.0	-18.5	1.08 V	319	80.5	-66.0

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 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
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	1855.00	8.3	33.0	-24.7	3.88 H	15	74.5	-66.2
2	1880.00	7.7	33.0	-25.3	3.85 H	11	73.8	-66.1
3	1905.00	8.4	33.0	-24.6	3.91 H	13	74.4	-66.0
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	1855.00	14.3	33.0	-18.7	1.13 V	320	80.5	-66.2
2	1880.00	14.7	33.0	-18.3	1.04 V	321	80.8	-66.1
3	1905.00	14.7	33.0	-18.3	1.05 V	318	80.7	-66.0

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 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
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	1857.50	8.2	33.0	-24.8	3.95 H	11	74.4	-66.2
2	1880.00	8.3	33.0	-24.7	3.90 H	12	74.4	-66.1
3	1902.50	8.4	33.0	-24.6	3.86 H	18	74.4	-66.0
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	1857.50	14.8	33.0	-18.2	1.04 V	323	81.0	-66.2
2	1880.00	14.8	33.0	-18.2	1.13 V	322	80.9	-66.1
3	1902.50	14.9	33.0	-18.1	1.07 V	323	80.9	-66.0

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 2, Channel Bandwidth 20MHz

Mode	TX channel 18700, 18900, 19100							
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	1860.00	8.1	33.0	-24.9	3.89 H	14	74.3	-66.2
2	1880.00	8.6	33.0	-24.4	3.94 H	15	74.7	-66.1
3	1900.00	8.1	33.0	-24.9	3.89 H	18	74.1	-66.0
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	1860.00	15.0	33.0	-18.0	1.12 V	317	81.2	-66.2
2	1880.00	14.8	33.0	-18.2	1.10 V	317	80.9	-66.1
3	1900.00	14.7	33.0	-18.3	1.03 V	320	80.7	-66.0

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 5

Modulation Type: QPSK

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
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	824.70	19.41	38.45	-19.04	1.11 H	9	90.20	-70.79
2	836.50	19.06	38.45	-19.39	1.06 H	8	89.80	-70.74
3	848.30	**19.60**	38.45	-18.85	1.09 H	14	90.20	-70.60
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	824.70	10.31	38.45	-28.14	1.01 V	13	81.10	-70.79
2	836.50	10.56	38.45	-27.89	1.07 V	13	81.30	-70.74
3	848.30	10.80	38.45	-27.65	1.08 V	14	81.40	-70.60

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
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	825.50	**19.42**	38.45	-19.03	1.12 H	9	90.20	-70.78
2	836.50	19.36	38.45	-19.09	1.13 H	13	90.10	-70.74
3	847.50	19.29	38.45	-19.16	1.08 H	10	89.90	-70.61
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	825.50	10.32	38.45	-28.13	1.03 V	12	81.10	-70.78
2	836.50	10.76	38.45	-27.69	1.08 V	12	81.50	-70.74
3	847.50	10.89	38.45	-27.56	1.01 V	10	81.50	-70.61

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
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	826.50	19.01	38.45	-19.44	1.06 H	9	89.80	-70.79
2	836.50	**19.46**	38.45	-18.99	1.14 H	8	90.20	-70.74
3	846.50	19.38	38.45	-19.07	1.06 H	12	90.00	-70.62
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	826.50	10.51	38.45	-27.94	1.01 V	7	81.30	-70.79
2	836.50	10.56	38.45	-27.89	1.04 V	14	81.30	-70.74
3	846.50	10.58	38.45	-27.87	1.07 V	7	81.20	-70.62

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
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	829.00	19.10	38.45	-19.35	1.12 H	13	89.90	-70.80
2	836.50	**19.60**	38.45	-18.89	1.12 H	10	90.34	-70.74
3	844.00	19.16	38.45	-19.29	1.15 H	12	89.80	-70.64
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	829.00	10.70	38.45	-27.75	1.07 V	12	81.50	-70.80
2	836.50	10.86	38.45	-27.59	1.06 V	9	81.60	-70.74
3	844.00	10.66	38.45	-27.79	1.05 V	11	81.30	-70.64

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
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	824.70	**18.51**	38.45	-19.94	1.06 H	12	89.30	-70.79
2	836.50	18.16	38.45	-20.29	1.11 H	14	88.90	-70.74
3	848.30	18.40	38.45	-20.05	1.10 H	9	89.00	-70.60
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	824.70	9.21	38.45	-29.24	1.05 V	11	80.00	-70.79
2	836.50	9.66	38.45	-28.79	1.03 V	14	80.40	-70.74
3	848.30	9.90	38.45	-28.55	1.07 V	10	80.50	-70.60

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
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	825.50	18.22	38.45	-20.23	1.07 H	14	89.00	-70.78
2	836.50	**18.56**	38.45	-19.89	1.10 H	13	89.30	-70.74
3	847.50	18.29	38.45	-20.16	1.11 H	13	88.90	-70.61
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	825.50	9.22	38.45	-29.23	1.01 V	13	80.00	-70.78
2	836.50	9.86	38.45	-28.59	1.02 V	12	80.60	-70.74
3	847.50	9.89	38.45	-28.56	1.08 V	11	80.50	-70.61

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
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	826.50	17.81	38.45	-20.64	1.13 H	9	88.60	-70.79
2	836.50	**18.46**	38.45	-19.99	1.08 H	8	89.20	-70.74
3	846.50	18.28	38.45	-20.17	1.10 H	13	88.90	-70.62
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	826.50	9.31	38.45	-29.14	1.10 V	12	80.10	-70.79
2	836.50	9.66	38.45	-28.79	1.01 V	9	80.40	-70.74
3	846.50	9.48	38.45	-28.97	1.08 V	12	80.10	-70.62

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
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	829.00	18.10	38.45	-20.35	1.11 H	10	88.90	-70.80
2	836.50	**18.66**	38.45	-19.79	1.15 H	11	89.40	-70.74
3	844.00	17.96	38.45	-20.49	1.07 H	10	88.60	-70.64
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	829.00	9.60	38.45	-28.85	1.02 V	12	80.40	-70.80
2	836.50	9.66	38.45	-28.79	1.11 V	9	80.40	-70.74
3	844.00	9.56	38.45	-28.89	1.08 V	9	80.20	-70.64

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
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	824.70	**18.11**	38.45	-20.34	1.09 H	13	88.90	-70.79
2	836.50	17.76	38.45	-20.69	1.14 H	9	88.50	-70.74
3	848.30	17.80	38.45	-20.65	1.14 H	14	88.40	-70.60
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	824.70	8.71	38.45	-29.74	1.08 V	7	79.50	-70.79
2	836.50	9.26	38.45	-29.19	1.01 V	7	80.00	-70.74
3	848.30	9.50	38.45	-28.95	1.09 V	12	80.10	-70.60

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
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	825.50	17.82	38.45	-20.63	1.08 H	7	88.60	-70.78
2	836.50	**17.96**	38.45	-20.49	1.12 H	14	88.70	-70.74
3	847.50	17.79	38.45	-20.66	1.09 H	10	88.40	-70.61
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	825.50	8.62	38.45	-29.83	1.05 V	12	79.40	-70.78
2	836.50	9.46	38.45	-28.99	1.11 V	9	80.20	-70.74
3	847.50	9.39	38.45	-29.06	1.05 V	8	80.00	-70.61

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
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	826.50	17.31	38.45	-21.14	1.14 H	8	88.10	-70.79
2	836.50	**18.06**	38.45	-20.39	1.07 H	12	88.80	-70.74
3	846.50	17.88	38.45	-20.57	1.12 H	8	88.50	-70.62
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	826.50	8.91	38.45	-29.54	1.05 V	7	79.70	-70.79
2	836.50	9.16	38.45	-29.29	1.09 V	13	79.90	-70.74
3	846.50	8.98	38.45	-29.47	1.10 V	10	79.60	-70.62

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
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	829.00	17.50	38.45	-20.95	1.10 H	10	88.30	-70.80
2	836.50	**18.26**	38.45	-20.19	1.14 H	14	89.00	-70.74
3	844.00	17.46	38.45	-20.99	1.06 H	13	88.10	-70.64
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	829.00	9.00	38.45	-29.45	1.11 V	14	79.80	-70.80
2	836.50	9.06	38.45	-29.39	1.03 V	8	79.80	-70.74
3	844.00	9.06	38.45	-29.39	1.04 V	7	79.70	-70.64

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
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	824.70	**16.61**	38.45	-21.84	1.14 H	10	87.40	-70.79
2	836.50	16.16	38.45	-22.29	1.11 H	13	86.90	-70.74
3	848.30	16.30	38.45	-22.15	1.15 H	10	86.90	-70.60
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	824.70	7.31	38.45	-31.14	1.07 V	13	78.10	-70.79
2	836.50	7.66	38.45	-30.79	1.07 V	12	78.40	-70.74
3	848.30	8.10	38.45	-30.35	1.10 V	11	78.70	-70.60

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
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	825.50	16.32	38.45	-22.13	1.10 H	8	87.10	-70.78
2	836.50	**16.46**	38.45	-21.99	1.10 H	7	87.20	-70.74
3	847.50	16.19	38.45	-22.26	1.05 H	12	86.80	-70.61
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	825.50	7.02	38.45	-31.43	1.04 V	8	77.80	-70.78
2	836.50	7.96	38.45	-30.49	1.07 V	10	78.70	-70.74
3	847.50	7.99	38.45	-30.46	1.03 V	7	78.60	-70.61

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
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	826.50	15.71	38.45	-22.74	1.08 H	9	86.50	-70.79
2	836.50	**16.56**	38.45	-21.89	1.12 H	14	87.30	-70.74
3	846.50	16.38	38.45	-22.07	1.06 H	11	87.00	-70.62
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	826.50	7.41	38.45	-31.04	1.06 V	13	78.20	-70.79
2	836.50	7.56	38.45	-30.89	1.04 V	11	78.30	-70.74
3	846.50	7.38	38.45	-31.07	1.09 V	10	78.00	-70.62

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
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	829.00	16.00	38.45	-22.45	1.05 H	11	86.80	-70.80
2	836.50	**16.66**	38.45	-21.79	1.09 H	9	87.40	-70.74
3	844.00	16.06	38.45	-22.39	1.05 H	7	86.70	-70.64
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	829.00	7.50	38.45	-30.95	1.03 V	14	78.30	-70.80
2	836.50	7.56	38.45	-30.89	1.04 V	7	78.30	-70.74
3	844.00	7.46	38.45	-30.99	1.02 V	7	78.10	-70.64

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 7

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	16.00	33.00	-17.00	1.17 H	55	80.09	-64.09
2	2535.00	15.60	33.00	-17.40	1.21 H	60	79.60	-64.00
3	2567.50	15.60	33.00	-17.40	1.16 H	59	79.53	-63.93
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	19.30	33.00	-13.70	1.79 V	99	83.39	-64.09
2	2535.00	19.40	33.00	-13.60	1.75 V	97	83.40	-64.00
3	2567.50	19.30	33.00	-13.70	1.78 V	95	83.23	-63.93

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	15.60	33.00	-17.40	1.24 H	54	79.69	-64.09
2	2535.00	15.60	33.00	-17.40	1.19 H	56	79.60	-64.00
3	2565.00	15.70	33.00	-17.30	1.23 H	54	79.64	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	19.40	33.00	-13.60	1.78 V	95	83.49	-64.09
2	2535.00	19.10	33.00	-13.90	1.73 V	94	83.10	-64.00
3	2565.00	19.50	33.00	-13.50	1.79 V	98	83.44	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	15.90	33.00	-17.10	1.15 H	55	79.98	-64.08
2	2535.00	15.70	33.00	-17.30	1.16 H	58	79.70	-64.00
3	2562.50	15.60	33.00	-17.40	1.23 H	53	79.54	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	19.50	33.00	-13.50	1.79 V	96	83.58	-64.08
2	2535.00	19.50	33.00	-13.50	1.81 V	100	83.50	-64.00
3	2562.50	19.50	33.00	-13.50	1.72 V	94	83.44	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	15.90	33.00	-17.10	1.22 H	55	79.98	-64.08
2	2535.00	16.10	33.00	-16.90	1.22 H	56	80.10	-64.00
3	2560.00	15.90	33.00	-17.10	1.16 H	60	79.84	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	19.20	33.00	-13.80	1.82 V	97	83.28	-64.08
2	2535.00	19.60	33.00	-13.40	1.77 V	100	83.60	-64.00
3	2560.00	19.50	33.00	-13.50	1.73 V	93	83.44	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	15.10	33.00	-17.90	1.18 H	59	79.19	-64.09
2	2535.00	14.40	33.00	-18.60	1.25 H	57	78.40	-64.00
3	2567.50	14.50	33.00	-18.50	1.20 H	59	78.43	-63.93
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	18.50	33.00	-14.50	1.72 V	93	82.59	-64.09
2	2535.00	18.30	33.00	-14.70	1.78 V	95	82.30	-64.00
3	2567.50	18.10	33.00	-14.90	1.81 V	95	82.03	-63.93

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	14.40	33.00	-18.60	1.23 H	57	78.49	-64.09
2	2535.00	14.60	33.00	-18.40	1.24 H	55	78.60	-64.00
3	2565.00	14.70	33.00	-18.30	1.23 H	60	78.64	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	18.20	33.00	-14.80	1.81 V	99	82.29	-64.09
2	2535.00	18.10	33.00	-14.90	1.76 V	95	82.10	-64.00
3	2565.00	18.60	33.00	-14.40	1.74 V	95	82.54	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	15.10	33.00	-17.90	1.21 H	56	79.18	-64.08
2	2535.00	14.50	33.00	-18.50	1.20 H	58	78.50	-64.00
3	2562.50	14.70	33.00	-18.30	1.21 H	54	78.64	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	18.70	33.00	-14.30	1.77 V	99	82.78	-64.08
2	2535.00	18.40	33.00	-14.60	1.80 V	94	82.40	-64.00
3	2562.50	18.40	33.00	-14.60	1.76 V	95	82.34	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	15.00	33.00	-18.00	1.19 H	57	79.08	-64.08
2	2535.00	15.20	33.00	-17.80	1.19 H	60	79.20	-64.00
3	2560.00	15.00	33.00	-18.00	1.17 H	54	78.94	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	18.30	33.00	-14.70	1.82 V	99	82.38	-64.08
2	2535.00	18.70	33.00	-14.30	1.77 V	96	82.70	-64.00
3	2560.00	18.50	33.00	-14.50	1.81 V	98	82.44	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	14.50	33.00	-18.50	1.20 H	58	78.59	-64.09
2	2535.00	13.80	33.00	-19.20	1.18 H	57	77.80	-64.00
3	2567.50	14.00	33.00	-19.00	1.20 H	56	77.93	-63.93
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	17.90	33.00	-15.10	1.77 V	97	81.99	-64.09
2	2535.00	17.70	33.00	-15.30	1.72 V	99	81.70	-64.00
3	2567.50	17.60	33.00	-15.40	1.77 V	95	81.53	-63.93

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	14.00	33.00	-19.00	1.22 H	60	78.09	-64.09
2	2535.00	14.00	33.00	-19.00	1.24 H	53	78.00	-64.00
3	2565.00	14.20	33.00	-18.80	1.22 H	58	78.14	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	17.60	33.00	-15.40	1.74 V	93	81.69	-64.09
2	2535.00	17.60	33.00	-15.40	1.77 V	97	81.60	-64.00
3	2565.00	18.20	33.00	-14.80	1.78 V	97	82.14	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	14.50	33.00	-18.50	1.24 H	55	78.58	-64.08
2	2535.00	13.90	33.00	-19.10	1.20 H	57	77.90	-64.00
3	2562.50	14.10	33.00	-18.90	1.16 H	57	78.04	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	18.20	33.00	-14.80	1.73 V	100	82.28	-64.08
2	2535.00	18.00	33.00	-15.00	1.72 V	97	82.00	-64.00
3	2562.50	17.80	33.00	-15.20	1.80 V	97	81.74	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	14.60	33.00	-18.40	1.16 H	60	78.68	-64.08
2	2535.00	14.80	33.00	-18.20	1.21 H	55	78.80	-64.00
3	2560.00	14.60	33.00	-18.40	1.24 H	56	78.54	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	17.70	33.00	-15.30	1.78 V	95	81.78	-64.08
2	2535.00	18.20	33.00	-14.80	1.74 V	95	82.20	-64.00
3	2560.00	18.00	33.00	-15.00	1.72 V	94	81.94	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	12.90	33.00	-20.10	1.21 H	58	76.99	-64.09
2	2535.00	12.40	33.00	-20.60	1.23 H	53	76.40	-64.00
3	2567.50	12.60	33.00	-20.40	1.19 H	53	76.53	-63.93
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2502.50	16.30	33.00	-16.70	1.73 V	98	80.39	-64.09
2	2535.00	16.30	33.00	-16.70	1.74 V	100	80.30	-64.00
3	2567.50	16.00	33.00	-17.00	1.77 V	99	79.93	-63.93

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	12.40	33.00	-20.60	1.19 H	58	76.49	-64.09
2	2535.00	12.50	33.00	-20.50	1.24 H	60	76.50	-64.00
3	2565.00	12.70	33.00	-20.30	1.20 H	59	76.64	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2505.00	16.00	33.00	-17.00	1.76 V	99	80.09	-64.09
2	2535.00	16.10	33.00	-16.90	1.78 V	98	80.10	-64.00
3	2565.00	16.80	33.00	-16.20	1.80 V	93	80.74	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	13.00	33.00	-20.00	1.20 H	58	77.08	-64.08
2	2535.00	12.40	33.00	-20.60	1.23 H	59	76.40	-64.00
3	2562.50	12.50	33.00	-20.50	1.15 H	59	76.44	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2507.50	16.80	33.00	-16.20	1.74 V	99	80.88	-64.08
2	2535.00	16.60	33.00	-16.40	1.76 V	97	80.60	-64.00
3	2562.50	16.40	33.00	-16.60	1.75 V	96	80.34	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	13.10	33.00	-19.90	1.22 H	57	77.18	-64.08
2	2535.00	13.40	33.00	-19.60	1.15 H	54	77.40	-64.00
3	2560.00	13.00	33.00	-20.00	1.22 H	56	76.94	-63.94
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	2510.00	16.20	33.00	-16.80	1.72 V	100	80.28	-64.08
2	2535.00	16.60	33.00	-16.40	1.75 V	93	80.60	-64.00
3	2560.00	16.50	33.00	-16.50	1.79 V	97	80.44	-63.94

Remarks:

1. EIRP(dBm) = Reading(dBuV/m) + 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 12

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	15.00	34.77	-19.77	1.25 H	244	85.26	-70.26
2	707.50	15.30	34.77	-19.47	1.20 H	250	85.56	-70.26
3	715.30	15.10	34.77	-19.67	1.22 H	254	85.36	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	18.60	34.77	-16.17	1.52 V	183	88.86	-70.26
2	707.50	18.60	34.77	-16.17	1.56 V	182	88.86	-70.26
3	715.30	18.50	34.77	-16.27	1.26 V	183	88.76	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	14.90	34.77	-19.87	1.20 H	250	85.16	-70.26
2	707.50	15.30	34.77	-19.47	1.25 H	249	85.56	-70.26
3	714.50	15.00	34.77	-19.77	1.20 H	253	85.26	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	18.56	34.77	-16.21	1.59 V	186	88.82	-70.26
2	707.50	18.77	34.77	-16.00	1.52 V	189	89.03	-70.26
3	714.50	18.66	34.77	-16.11	1.60 V	178	88.92	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	15.22	34.77	-19.55	1.19 H	255	85.48	-70.26
2	707.50	15.30	34.77	-19.47	1.23 H	247	85.56	-70.26
3	713.50	15.03	34.77	-19.74	1.24 H	250	85.29	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	18.46	34.77	-16.31	1.63 V	175	88.72	-70.26
2	707.50	18.49	34.77	-16.28	1.55 V	185	88.75	-70.26
3	713.50	18.66	34.77	-16.11	1.65 V	180	88.92	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	14.77	34.77	-20.00	1.23 H	259	85.03	-70.26
2	707.50	15.10	34.77	-19.67	1.19 H	266	85.36	-70.26
3	711.00	15.05	34.77	-19.72	1.23 H	242	85.31	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	18.80	34.77	-16.02	1.65 V	180	89.06	-70.26
2	707.50	18.55	34.77	-16.22	1.58 V	177	88.81	-70.26
3	711.00	18.50	34.77	-16.27	1.68 V	188	88.76	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	14.00	34.77	-20.77	1.25 H	244	84.26	-70.26
2	707.50	14.30	34.77	-20.47	1.20 H	250	84.56	-70.26
3	715.30	14.10	34.77	-20.67	1.22 H	254	84.36	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	17.60	34.77	-17.17	1.52 V	183	87.86	-70.26
2	707.50	17.60	34.77	-17.17	1.56 V	182	87.86	-70.26
3	715.30	17.50	34.77	-17.27	1.26 V	183	87.76	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	14.95	34.77	-19.82	1.20 H	250	85.21	-70.26
2	707.50	15.30	34.77	-19.47	1.25 H	249	85.56	-70.26
3	714.50	15.00	34.77	-19.77	1.20 H	253	85.26	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	17.56	34.77	-17.21	1.59 V	186	87.82	-70.26
2	707.50	17.77	34.77	-17.00	1.52 V	189	88.03	-70.26
3	714.50	17.66	34.77	-17.11	1.60 V	178	87.92	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	14.22	34.77	-20.55	1.19 H	255	84.48	-70.26
2	707.50	14.30	34.77	-20.47	1.23 H	247	84.56	-70.26
3	713.50	14.00	34.77	-20.77	1.24 H	250	84.26	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	17.46	34.77	-17.31	1.63 V	175	87.72	-70.26
2	707.50	17.49	34.77	-17.28	1.55 V	185	87.75	-70.26
3	713.50	17.66	34.77	-17.11	1.65 V	180	87.92	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	13.77	34.77	-21.00	1.23 H	259	84.03	-70.26
2	707.50	14.10	34.77	-20.67	1.19 H	266	84.36	-70.26
3	711.00	14.05	34.77	-20.72	1.23 H	242	84.31	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	17.75	34.77	-17.02	1.65 V	180	88.01	-70.26
2	707.50	17.55	34.77	-17.22	1.58 V	177	87.81	-70.26
3	711.00	17.50	34.77	-17.27	1.68 V	188	87.76	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	13.45	34.77	-21.32	1.25 H	244	83.71	-70.26
2	707.50	13.78	34.77	-20.99	1.20 H	250	84.04	-70.26
3	715.30	13.66	34.77	-21.11	1.22 H	254	83.92	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	17.11	34.77	-17.66	1.52 V	183	87.37	-70.26
2	707.50	17.10	34.77	-17.67	1.56 V	182	87.36	-70.26
3	715.30	17.00	34.77	-17.77	1.26 V	183	87.26	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	14.45	34.77	-20.32	1.20 H	250	84.71	-70.26
2	707.50	14.81	34.77	-19.96	1.25 H	249	85.07	-70.26
3	714.50	14.50	34.77	-20.27	1.20 H	253	84.76	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	17.06	34.77	-17.71	1.59 V	186	87.32	-70.26
2	707.50	17.27	34.77	-17.50	1.52 V	189	87.53	-70.26
3	714.50	17.16	34.77	-17.61	1.60 V	178	87.42	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	13.70	34.77	-21.07	1.19 H	255	83.96	-70.26
2	707.50	13.80	34.77	-20.97	1.23 H	247	84.06	-70.26
3	713.50	13.55	34.77	-21.22	1.24 H	250	83.81	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	16.95	34.77	-17.82	1.63 V	175	87.21	-70.26
2	707.50	17.00	34.77	-17.77	1.55 V	185	87.26	-70.26
3	713.50	17.14	34.77	-17.63	1.65 V	180	87.40	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	13.26	34.77	-21.51	1.23 H	259	83.52	-70.26
2	707.50	13.60	34.77	-21.17	1.19 H	266	83.86	-70.26
3	711.00	13.50	34.77	-21.27	1.23 H	242	83.76	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	17.25	34.77	-17.52	1.65 V	180	87.51	-70.26
2	707.50	17.00	34.77	-17.77	1.58 V	177	87.26	-70.26
3	711.00	17.01	34.77	-17.76	1.68 V	188	87.27	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	12.45	34.77	-22.32	1.25 H	244	82.71	-70.26
2	707.50	12.78	34.77	-21.99	1.20 H	250	83.04	-70.26
3	715.30	12.66	34.77	-22.11	1.22 H	254	82.92	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	16.11	34.77	-18.66	1.52 V	183	86.37	-70.26
2	707.50	16.10	34.77	-18.67	1.56 V	182	86.36	-70.26
3	715.30	16.00	34.77	-18.77	1.26 V	183	86.26	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	13.45	34.77	-21.32	1.20 H	250	83.71	-70.26
2	707.50	13.81	34.77	-20.96	1.25 H	249	84.07	-70.26
3	714.50	13.50	34.77	-21.27	1.20 H	253	83.76	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	16.06	34.77	-18.71	1.59 V	186	86.32	-70.26
2	707.50	16.27	34.77	-18.50	1.52 V	189	86.53	-70.26
3	714.50	16.16	34.77	-18.61	1.60 V	178	86.42	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	12.70	34.77	-22.07	1.19 H	255	82.96	-70.26
2	707.50	12.80	34.77	-21.97	1.23 H	247	83.06	-70.26
3	713.50	12.55	34.77	-22.22	1.24 H	250	82.81	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	15.95	34.77	-18.82	1.63 V	175	86.21	-70.26
2	707.50	16.00	34.77	-18.77	1.55 V	185	86.26	-70.26
3	713.50	16.10	34.77	-18.67	1.65 V	180	86.36	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	12.26	34.77	-22.51	1.23 H	259	82.52	-70.26
2	707.50	12.60	34.77	-22.17	1.19 H	266	82.86	-70.26
3	711.00	12.50	34.77	-22.27	1.23 H	242	82.76	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	16.25	34.77	-18.52	1.65 V	180	86.51	-70.26
2	707.50	16.00	34.77	-18.77	1.58 V	177	86.26	-70.26
3	711.00	16.01	34.77	-18.76	1.68 V	188	86.27	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	16.47	34.77	-18.30	1.78 H	60	86.73	-70.26
2	782.00	16.55	34.77	-18.22	1.80 H	53	86.81	-70.26
3	784.50	16.34	34.77	-18.43	1.89 H	40	86.60	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	18.77	34.77	-16.00	1.39 V	123	89.03	-70.26
2	782.00	18.91	34.77	-15.86	1.30 V	133	89.17	-70.26
3	784.50	18.80	34.77	-15.97	1.29 V	140	89.06	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	16.71	34.77	-18.06	1.86 H	45	86.97	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	19.01	34.77	-15.76	1.33 V	138	89.27	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	15.47	34.77	-19.30	1.78 H	60	85.73	-70.26
2	782.00	15.55	34.77	-19.22	1.80 H	53	85.81	-70.26
3	784.50	15.34	34.77	-19.43	1.89 H	40	85.60	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	17.77	34.77	-17.00	1.39 V	123	88.03	-70.26
2	782.00	17.91	34.77	-16.86	1.30 V	133	88.17	-70.26
3	784.50	17.80	34.77	-16.97	1.29 V	140	88.06	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	15.71	34.77	-19.06	1.86 H	45	85.97	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	18.01	34.77	-16.76	1.33 V	138	88.27	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	15.00	34.77	-19.77	1.78 H	60	85.26	-70.26
2	782.00	15.05	34.77	-19.72	1.80 H	53	85.31	-70.26
3	784.50	14.84	34.77	-19.93	1.89 H	40	85.10	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	17.27	34.77	-17.50	1.39 V	123	87.53	-70.26
2	782.00	17.31	34.77	-17.46	1.30 V	133	87.57	-70.26
3	784.50	17.30	34.77	-17.47	1.29 V	140	87.56	-70.26

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	15.21	34.77	-19.56	1.86 H	45	85.47	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	17.41	34.77	-17.36	1.33 V	138	87.67	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	14.00	34.77	-20.77	1.78 H	60	84.26	-70.26
2	782.00	14.05	34.77	-20.72	1.80 H	53	84.31	-70.26
3	784.50	13.84	34.77	-20.93	1.89 H	40	84.10	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	779.50	16.27	34.77	-18.50	1.39 V	123	86.53	-70.26
2	782.00	16.31	34.77	-18.46	1.30 V	133	86.57	-70.26
3	784.50	16.30	34.77	-18.47	1.29 V	140	86.56	-70.26

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)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	14.21	34.77	-20.56	1.86 H	45	84.47	-70.26
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	782.00	16.41	34.77	-18.36	1.33 V	138	86.67	-70.26

Remarks:

1. ERP(dBm) = Reading(dBuV/m) + 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 Measurement

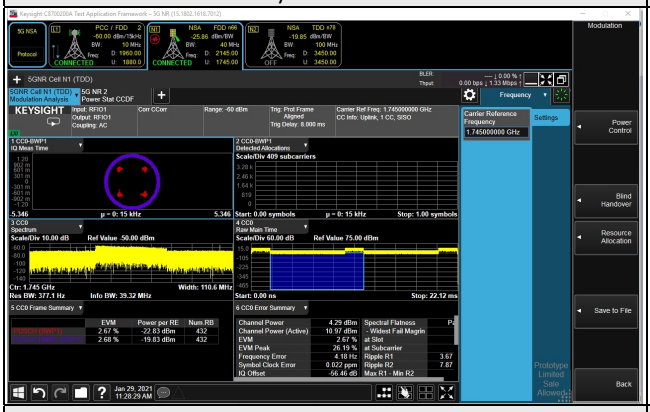
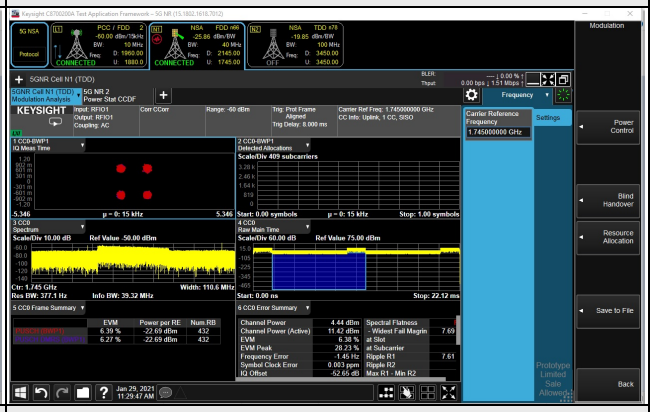
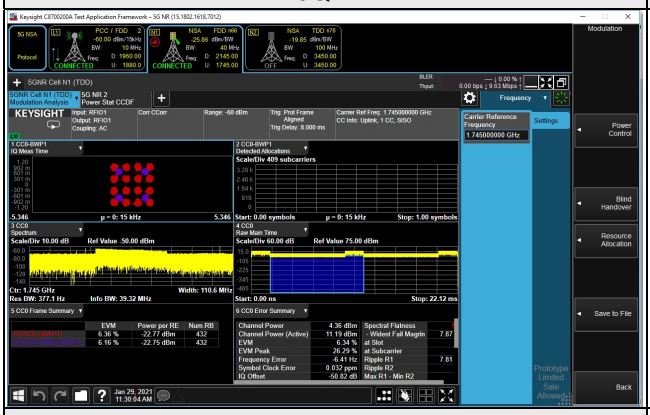
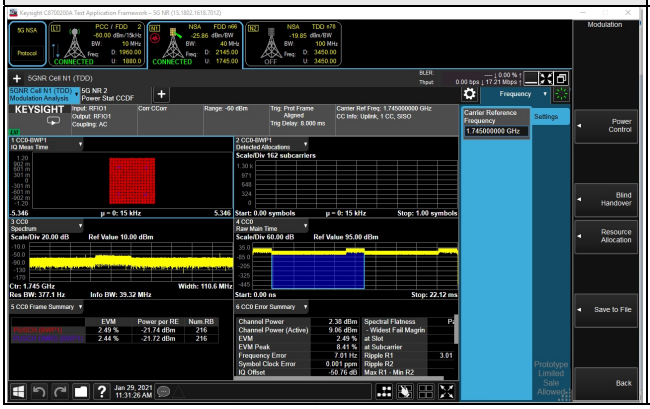
N/A

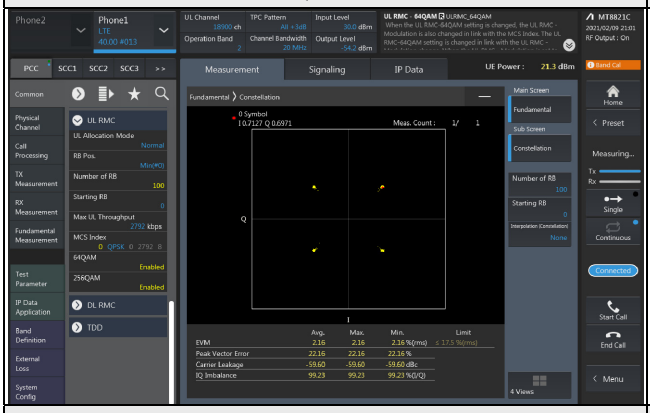
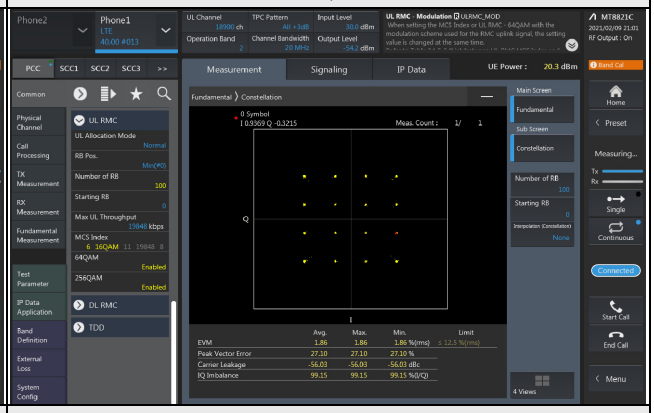
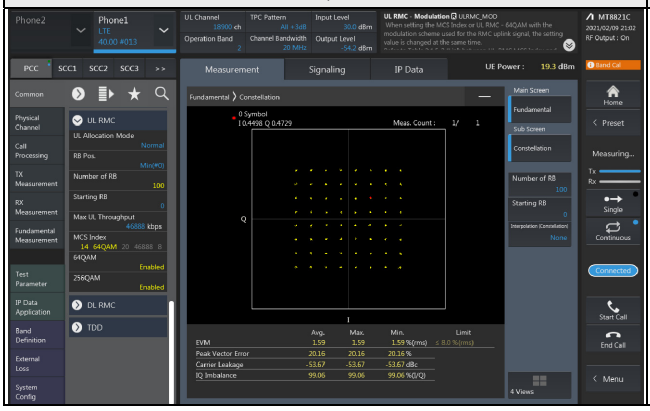
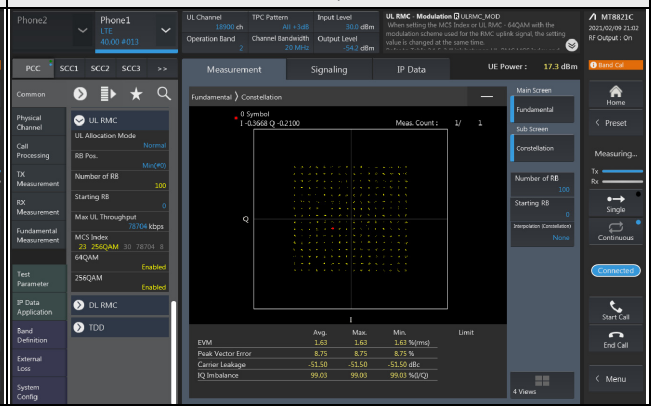
4.2.2 Test Procedure

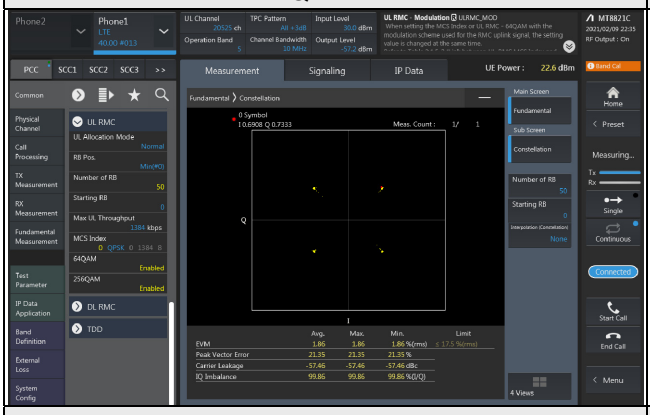
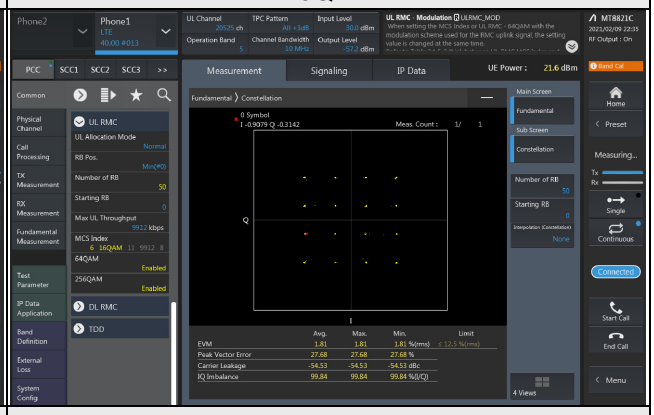
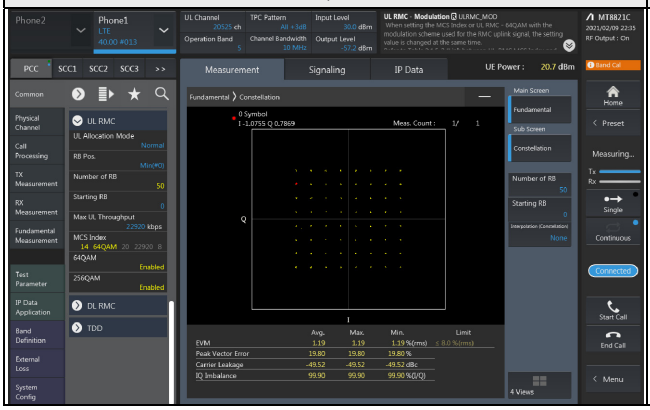
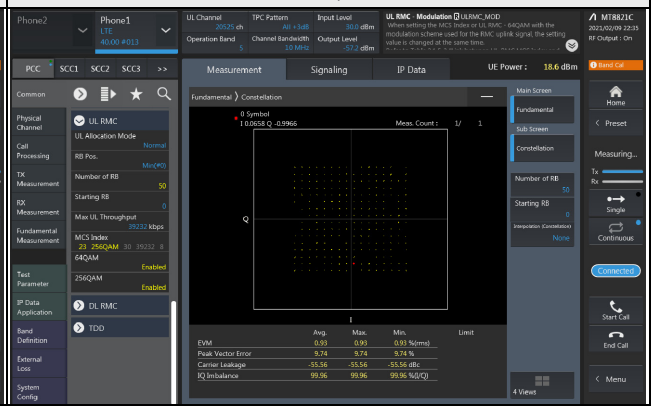
Connect the EUT to Communication Simulator via the antenna connector, The frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

4.2.3 Test Setup

4.2.4 Test Results

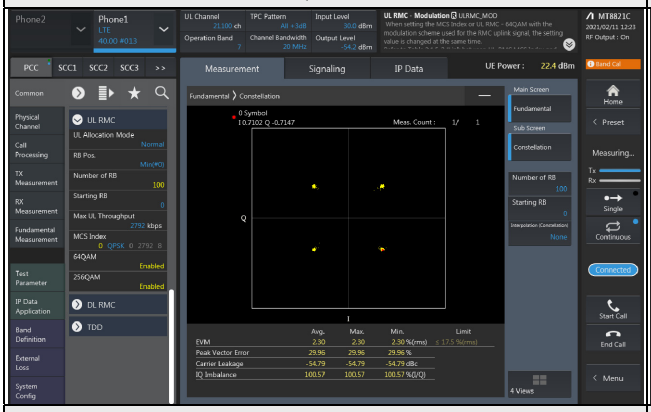
n66	
Spectrum Plot of Measurement Value	
Channel: 349000 / Frequency (MHz): 1745.0 MHz	
$\pi/2$ BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

LTE Band 2	
Spectrum Plot of Measurement Value	
Channel: 18900 / Frequency (MHz): 1880.0MHz	
QPSK	16QAM
	
64QAM	256QAM
	

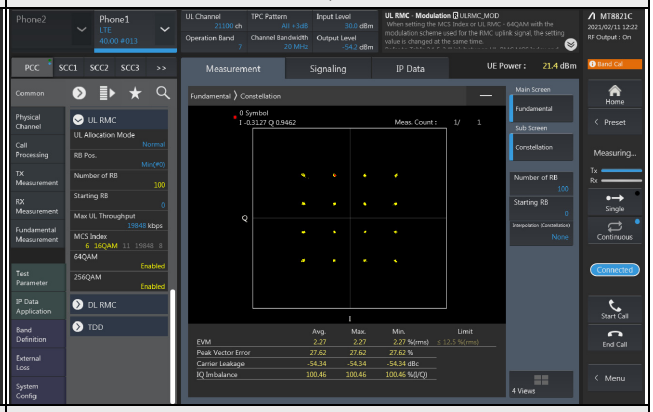
LTE Band 5	
Spectrum Plot of Measurement Value	
Channel: 20525 / Frequency (MHz): 836.5MHz	
QPSK	16QAM
	
64QAM	256QAM
	

LTE Band 7
Spectrum Plot of Measurement Value
Channel: 21100 / Frequency (MHz): 2535.0MHz

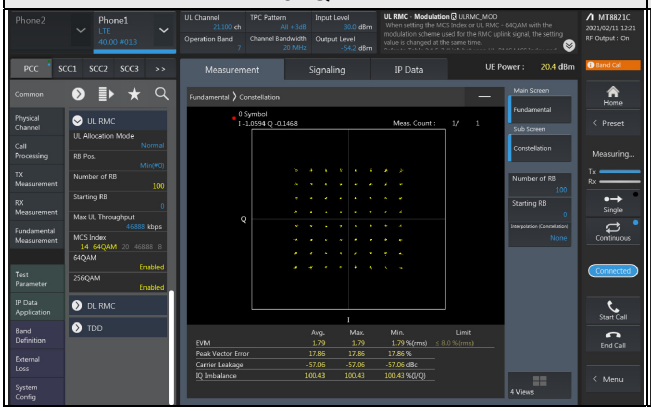
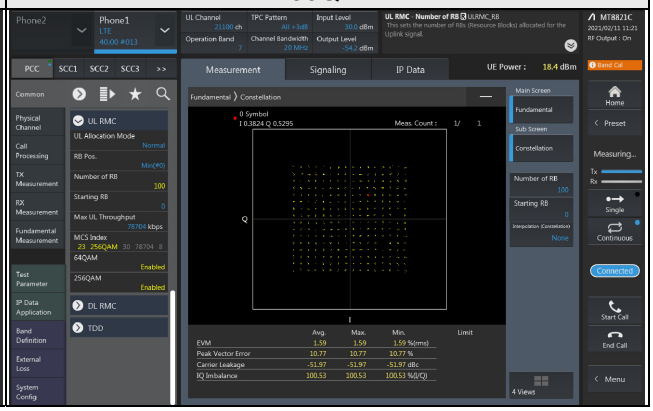
QPSK



16QAM



64QAM



256QAM