FCC Test Report
(ENDC: n41 + LTE B2/B66)

Report No.: RFBBQZ-WTW-P21031117-2

FCC ID: PY320400515

Test Model: MR5200

Received Date: Mar. 31, 2021

Test Date: Apr. 27 ~ May 07, 2021

Issued Date: May 17, 2021

Applicant and Manufacturer: NETGEAR INC.

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FCC Registration / Designation Number: 788550 / TW0003

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Table of Contents

Release Control Record **4**

1 Certificate of Conformity **5**

2 Summary of Test Results **6**

2.1 Measurement Uncertainty 8
2.2 Test Site and Instruments 9

3 General Information **11**

3.1 General Description of EUT 11
3.2 Configuration of System under Test 15
3.2.1 Description of Support Units 15
3.3 Test Mode Applicability and Tested Channel Detail 16
3.4 EUT Operating Conditions 23
3.5 General Description of Applied Standards and References 23

4 Test Types and Results **24**

4.1 Output Power Measurement 24
4.1.1 Limits of Output Power Measurement 24
4.1.2 Test Procedures 24
4.1.3 Test Setup 25
4.1.4 Test Results 26
4.2 Modulation Characteristics Measurement 117
4.2.1 Limits of Modulation Characteristics 117
4.2.2 Test Procedure 117
4.2.3 Test Setup 117
4.2.4 Test Results 118
4.3 Frequency Stability Measurement 119
4.3.1 Limits of Frequency Stabiliity Measurement 119
4.3.2 Test Procedure 119
4.3.3 Test Instruments 119
4.3.4 Conducted Setup 119
4.3.5 Test Results 120
4.4 Occupied Bandwidth Measurement 128
4.4.1 Test Procedure 128
4.4.2 Test Setup 128
4.4.3 Test Result 129
4.5 Out-of-Band Emissions Measurement 135
4.5.1 Limits of Out-of-Band Emissions Measurement 135
4.5.2 Test Setup 135
4.5.3 Test Procedures 135
4.5.4 Test Results 136
4.6 Peak to Average Ratio 144
4.6.1 Limits of Peak to Average Ratio Measurement 144
4.6.2 Test Setup 144
4.6.3 Test Procedures 144
4.6.4 Test Results 145
4.7 Conducted Spurious Emissions 148
4.7.1 Limits of Conducted Spurious Emissions Measurement 148
4.7.2 Test Setup 148
4.7.3 Test Procedure 148
4.7.4 Test Results 149
4.8 Radiated Emission Measurement 173
4.8.1 Limits of Radiated Emission Measurement 173
4.8.2 Test Procedure 173
4.8.3 Deviation from Test Standard 173
4.8.4 Test Setup 174

4.8.5 Test Results 175
5 Pictures of Test Arrangements 223
Appendix – Information of the Testing Laboratories 224

Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P21031117-2	Original release	May 17, 2021

1 Certificate of Conformity

Product: 5G MHS Travel Router

Brand: NETGEAR

Test Model: MR5200

Sample Status: Engineering sample

Applicant: NETGEAR INC.

Test Date: Apr. 27 ~ May 07, 2021

Standards: FCC Part 24, Subpart E
FCC Part 27, Subpart C, 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:** May 17, 2021

Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** May 17, 2021

Bruce Chen / Senior Project Engineer

2 Summary of Test Results

For n41

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 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 (m)(4)(6)	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 -17.50dB at 84.83MHz.

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 Isotropically Radiated Power	Pass	Meet the requirement of limit.
2.1046 24.232 (d)	Peak To Average Ratio	Pass	Refer to Note 1
2.1047	Modulation Characteristics	Pass	Refer to Note 1
2.1055 24.235	Frequency Stability	Pass	Refer to Note 1
2.1049	Occupied Bandwidth	Pass	Refer to Note 1
24.238	Band Edge Measurements	Pass	Refer to Note 1
2.1051 24.238	Conducted Spurious Emissions	Pass	Refer to Note 1
2.1053 24.238	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -32.10dB at 84.83MHz.

Note:

1. This report is a partial report. Therefore, only test item of Transmitter Output Power and Effective Isotropically Radiated Power and Radiated Spurious Emissions tests were performed for this report. Other testing data please refer to BV CPS report no.: RFBBQZ-WTW-P20120749-4.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

For LTE Band 66

Applied Standard: FCC Part 24 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 27.50 (d)(4)	Equivalent Isotropically Radiated Power / Equivalent Radiated Power	Pass	Meet the requirement of limit.
2.1047	Modulation Characteristics	Pass	Refer to Note 1
27.50 (d)(5)	Peak To Average Ratio	Pass	Refer to Note 1
2.1055 27.54	Frequency Stability Stay with the authorized bands of operation	Pass	Refer to Note 1
2.1049	Occupied Bandwidth	Pass	Refer to Note 1
2.1051 27.53 (h)	Band Edge / Out of Band Emissions Measurements	Pass	Refer to Note 1
2.1051 27.53 (h)	Conducted Spurious Emissions	Pass	Refer to Note 1
2.1053 27.53 (h)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -34.00dB at 84.83MHz.

Note:

1. This report is a partial report. Therefore, only test item of Transmitter Output Power and Equivalent Isotropically Radiated Power / Equivalent Radiated Power and Radiated Spurious Emissions tests were performed for this report. Other testing data please refer to BV CPS report no.: RFBBQZ-WTW-P20120749-5.
2. 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. 09, 2021	Apr. 08, 2022
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSW43	101866	Dec. 14, 2020	Dec. 13, 2021
MXG Vector signal generator Agilent	N5182B	MY53050430	Nov. 25, 2020	Nov. 24, 2021
5G Wireless Test Platforms Keysight	E7515B	MY60102114	May 28, 2020	May 27, 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. 17, 2021	Feb. 16, 2022
RF signal cable HUBER+SUHNER&EMCI	SUCOFLEX 104 & EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	Jan. 16, 2021	Jan. 15, 2022
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	Jan. 16, 2021	Jan. 15, 2022
RF signal cable Woken	8D-FB	Cable-CH9-01	Jun. 08, 2020	Jun. 07, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower &Turn BV ADT	AT100	AT93021705	NA	NA
Turn Table BV ADT	TT100	TT93021705	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Standard Temperature And Humidity Chamber GIANT FORCE	GTH-120-40-CP-AR	MAA1306-019	Sep. 10, 2020	Sep. 09, 2021

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

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

3 General Information

3.1 General Description of EUT

Product	5G MHS Travel Router
Brand	NETGEAR
Test Model	MR5200
Sample Status	Engineering Sample
Power Supply Rating	5 or 9Vdc (adapter) 5Vdc (host equipment) 3.85Vdc (battery)

n41

Modulation Type	$\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM					
Waveform Type	CP-OFDM, DFT-s-OFDM					
Operating Frequency	n41 (Channel Bandwidth 20MHz)	2506.02MHz ~ 2679.99MHz				
	n41 (Channel Bandwidth 30MHz)	2511.00MHz ~ 2674.98MHz				
	n41 (Channel Bandwidth 40MHz)	2516.01MHz ~ 2670.00MHz				
	n41 (Channel Bandwidth 50MHz)	2521.02MHz ~ 2664.99MHz				
	n41 (Channel Bandwidth 60MHz)	2526.00MHz ~ 2659.98MHz				
	n41 (Channel Bandwidth 80MHz)	2536.02MHz ~ 2649.99MHz				
	n41 (Channel Bandwidth 90MHz)	2541.00MHz ~ 2644.98MHz				
	n41 (Channel Bandwidth 100MHz)	2546.01MHz ~ 2640.00MHz				
Max. EIRP Power (Internal Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n41 (Channel Bandwidth 20MHz)	71.779mW (18.56dBm)	72.611mW (18.61dBm)	66.222mW (18.21dBm)	52.723mW (17.22dBm)	41.783mW (16.21dBm)
	n41 (Channel Bandwidth 30MHz)	74.131mW (18.70dBm)	79.983mW (19.03dBm)	63.241mW (18.01dBm)	50.119mW (17.00dBm)	39.994mW (16.02dBm)
	n41 (Channel Bandwidth 40MHz)	79.433mW (19.00dBm)	85.114mW (19.30dBm)	67.453mW (18.29dBm)	53.827mW (17.31dBm)	42.560mW (16.29dBm)
	n41 (Channel Bandwidth 50MHz)	79.799mW (19.02dBm)	85.507mW (19.32dBm)	66.069mW (18.20dBm)	52.602mW (17.21dBm)	41.976mW (16.23dBm)
	n41 (Channel Bandwidth 60MHz)	76.208mW (18.82dBm)	82.794mW (19.18dBm)	65.464mW (18.16dBm)	52.119mW (17.17dBm)	41.400mW (16.17dBm)
	n41 (Channel Bandwidth 80MHz)	77.446mW (18.89dBm)	78.343mW (18.94dBm)	61.944mW (17.92dBm)	49.317mW (16.93dBm)	39.264mW (15.94dBm)
	n41 (Channel Bandwidth 90MHz)	75.683mW (18.79dBm)	77.446mW (18.89dBm)	63.533mW (18.03dBm)	51.404mW (17.11dBm)	41.591mW (16.19dBm)
	n41 (Channel Bandwidth 100MHz)	75.858mW (18.80dBm)	79.250mW (18.99dBm)	61.094mW (17.86dBm)	48.865mW (16.89dBm)	39.174mW (15.93dBm)
Max. EIRP Power (External Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n41 (Channel Bandwidth 20MHz)	63.387mW (18.02dBm)	65.313mW (18.15dBm)	51.880mW (17.15dBm)	41.115mW (16.14dBm)	32.509mW (15.12dBm)
	n41 (Channel Bandwidth 30MHz)	60.117mW (17.79dBm)	62.230mW (17.94dBm)	49.431mW (16.94dBm)	39.355mW (15.95dBm)	31.333mW (14.96dBm)
	n41 (Channel Bandwidth 40MHz)	60.256mW (17.80dBm)	62.517mW (17.96dBm)	49.888mW (16.98dBm)	39.537mW (15.97dBm)	31.261mW (14.95dBm)
	n41 (Channel Bandwidth 50MHz)	57.148mW (17.57dBm)	60.954mW (17.85dBm)	48.641mW (16.87dBm)	38.726mW (15.88dBm)	30.690mW (14.87dBm)
	n41 (Channel Bandwidth 60MHz)	57.412mW (17.59dBm)	61.094mW (17.86dBm)	48.753mW (16.88dBm)	38.726mW (15.88dBm)	30.690mW (14.87dBm)
	n41 (Channel Bandwidth 80MHz)	58.884mW (17.70dBm)	63.387mW (18.02dBm)	50.350mW (17.02dBm)	40.179mW (16.04dBm)	31.769mW (15.02dBm)
	n41 (Channel Bandwidth 90MHz)	59.020mW (17.71dBm)	63.973mW (18.06dBm)	51.523mW (17.12dBm)	41.210mW (16.15dBm)	30.832mW (14.89dBm)
	n41 (Channel Bandwidth 100MHz)	60.395mW (17.81dBm)	65.163mW (18.14dBm)	51.404mW (17.11dBm)	40.551mW (16.08dBm)	30.761mW (14.88dBm)

		π/2 BPSK	QPSK	16QAM	64QAM	256QAM
Emission Designator	n41 (Channel Bandwidth 20MHz)	17M8G7D	18M2G7D	18M2D7W	18M2D7W	18M2D7W
	n41 (Channel Bandwidth 30MHz)	27M8G7D	27M8G7D	27M8D7W	27M8D7W	27M8D7W
	n41 (Channel Bandwidth 40MHz)	35M7G7D	37M8G7D	37M8D7W	37M8D7W	37M8D7W
	n41 (Channel Bandwidth 50MHz)	45M7G7D	47M4G7D	47M4D7W	47M5D7W	47M4D7W
	n41 (Channel Bandwidth 60MHz)	57M8G7D	57M7G7D	57M8D7W	57M8D7W	57M8D7W
	n41 (Channel Bandwidth 80MHz)	77M0G7D	77M4G7D	77M4D7W	77M3D7W	77M4D7W
	n41 (Channel Bandwidth 90MHz)	86M6G7D	87M3G7D	87M3D7W	87M3D7W	87M3D7W
	n41 (Channel Bandwidth 100MHz)	97M3G7D	97M3G7D	97M3D7W	97M3D7W	97M3D7W

LTE Band

Modulation Type	QPSK, 16QAM, 64QAM, 256QAM	
Operating Frequency	LTE Band 2 (Channel Bandwidth 1.4MHz)	1850.7MHz ~ 1909.3MHz
	LTE Band 2 (Channel Bandwidth 3MHz)	1851.5MHz ~ 1908.5MHz
	LTE Band 2 (Channel Bandwidth 5MHz)	1852.5MHz ~ 1907.5MHz
	LTE Band 2 (Channel Bandwidth 10MHz)	1855.0MHz ~ 1905.0MHz
	LTE Band 2 (Channel Bandwidth 15MHz)	1857.5MHz ~ 1902.5MHz
	LTE Band 2 (Channel Bandwidth 20MHz)	1860.0MHz ~ 1900.0MHz
	LTE Band 66 (Channel Bandwidth 1.4MHz)	1710.7MHz ~ 1779.3MHz
	LTE Band 66 (Channel Bandwidth 3MHz)	1711.5MHz ~ 1778.5MHz
	LTE Band 66 (Channel Bandwidth 5MHz)	1712.5MHz ~ 1777.5MHz
	LTE Band 66 (Channel Bandwidth 10MHz)	1715.0MHz ~ 1775.0MHz
	LTE Band 66 (Channel Bandwidth 15MHz)	1717.5MHz ~ 1772.5MHz
	LTE Band 66 (Channel Bandwidth 20MHz)	1720.0MHz ~ 1770.0MHz

		QPSK	16QAM	64QAM	256QAM
Max. EIRP Power (Internal Antenna)	LTE Band 2 (Channel Bandwidth 1.4MHz)	107.152mW (20.30dBm)	83.176mW (19.20dBm)	74.131mW (18.70dBm)	58.884mW (17.70dBm)
	LTE Band 2 (Channel Bandwidth 3MHz)	109.648mW (20.40dBm)	87.096mW (19.40dBm)	74.131mW (18.70dBm)	58.884mW (17.70dBm)
	LTE Band 2 (Channel Bandwidth 5MHz)	112.202mW (20.50dBm)	89.125mW (19.50dBm)	74.131mW (18.70dBm)	58.884mW (17.70dBm)
	LTE Band 2 (Channel Bandwidth 10MHz)	112.202mW (20.50dBm)	89.125mW (19.50dBm)	74.131mW (18.70dBm)	58.884mW (17.70dBm)
	LTE Band 2 (Channel Bandwidth 15MHz)	109.648mW (20.40dBm)	85.114mW (19.30dBm)	67.608mW (18.30dBm)	53.703mW (17.30dBm)
	LTE Band 2 (Channel Bandwidth 20MHz)	114.815mW (20.60dBm)	91.201mW (19.60dBm)	81.283mW (19.10dBm)	64.565mW (18.10dBm)
Max. EIRP Power (External Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 2 (Channel Bandwidth 1.4MHz)	66.374mW (18.22dBm)	52.360mW (17.19dBm)	41.495mW (16.18dBm)	33.113mW (15.20dBm)
	LTE Band 2 (Channel Bandwidth 3MHz)	63.826mW (18.05dBm)	50.816mW (17.06dBm)	40.458mW (16.07dBm)	32.063mW (15.06dBm)
	LTE Band 2 (Channel Bandwidth 5MHz)	66.069mW (18.20dBm)	52.723mW (17.22dBm)	41.687mW (16.20dBm)	33.113mW (15.20dBm)
	LTE Band 2 (Channel Bandwidth 10MHz)	65.917mW (18.19dBm)	52.360mW (17.19dBm)	41.495mW (16.18dBm)	32.961mW (15.18dBm)
	LTE Band 2 (Channel Bandwidth 15MHz)	65.615mW (18.17dBm)	52.240mW (17.18dBm)	41.495mW (16.18dBm)	32.961mW (15.18dBm)
	LTE Band 2 (Channel Bandwidth 20MHz)	63.973mW (18.06dBm)	51.050mW (17.08dBm)	40.458mW (16.07dBm)	32.211mW (15.08dBm)

		QPSK	16QAM	64QAM	256QAM
Max. EIRP Power (Internal Antenna)	LTE Band 66 (Channel Bandwidth 1.4MHz)	121.899mW (20.86dBm)	97.275mW (19.88dBm)	77.446mW (18.89dBm)	61.235mW (17.87dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	120.781mW (20.82dBm)	95.940mW (19.82dBm)	76.208mW (18.82dBm)	60.814mW (17.84dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	120.781mW (20.82dBm)	96.383mW (19.84dBm)	76.913mW (18.86dBm)	61.376mW (17.88dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	121.619mW (20.85dBm)	96.828mW (19.86dBm)	77.090mW (18.87dBm)	61.094mW (17.86dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	121.619mW (20.85dBm)	97.275mW (19.88dBm)	77.090mW (18.87dBm)	61.094mW (17.86dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	120.226mW (20.80dBm)	95.060mW (19.78dBm)	75.162mW (18.76dBm)	59.979mW (17.78dBm)
Max. EIRP Power (External Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 66 (Channel Bandwidth 1.4MHz)	89.125mW (19.50dBm)	70.795mW (18.50dBm)	60.256mW (17.80dBm)	47.863mW (16.80dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	87.096mW (19.40dBm)	69.183mW (18.40dBm)	57.544mW (17.60dBm)	45.709mW (16.60dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	87.096mW (19.40dBm)	67.608mW (18.30dBm)	53.703mW (17.30dBm)	42.658mW (16.30dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	83.176mW (19.20dBm)	66.069mW (18.20dBm)	52.481mW (17.20dBm)	41.687mW (16.20dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	95.499mW (19.80dBm)	75.858mW (18.80dBm)	58.884mW (17.70dBm)	46.774mW (16.70dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	97.724mW (19.90dBm)	77.625mW (18.90dBm)	66.069mW (18.20dBm)	51.286mW (17.10dBm)
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)				

			Maximum EIRP	Sum Bandwidth
Output Power / Emission Designator (Internal Antenna)	n41+LTE Band 2	n41	85.507mW (19.32dBm)	65M37D
		LTE Band 2 (EIRP)	114.815mW (20.60dBm)	
			EIRP	MAX Sum Bandwidth
		n41	79.250mW (18.99dBm)	116MG7D
		LTE Band 2 (EIRP)	114.815mW (20.60dBm)	
	n41+LTE Band 66		Maximum EIRP	Sum Bandwidth
		n41	85.507mW (19.32dBm)	48M5G7D
		LTE Band 66 (EIRP)	121.899mW (20.86dBm)	
			EIRP	MAX Sum Bandwidth
		n41	79.250mW (18.99dBm)	116MG7D
		LTE Band 66 (EIRP)	95.060mW (19.78dBm)	
Output Power / Emission Designator (External Antenna)	n41+LTE Band 2		Maximum EIRP	Sum Bandwidth
		n41	65.313mW (18.15dBm)	19M3G7D
		LTE Band 2 (EIRP)	66.374mW (18.22dBm)	
			EIRP	MAX Sum Bandwidth
		n41	65.163mW (18.14dBm)	116MG7D
		LTE Band 2 (EIRP)	63.973mW (18.06dBm)	
	n41+LTE Band 66		Maximum EIRP	Sum Bandwidth
		n41	65.313mW (18.15dBm)	36M1G7D
		LTE Band 66 (EIRP)	97.724mW (19.90dBm)	
			EIRP	MAX Sum Bandwidth
		n41	65.163mW (18.14dBm)	116MG7D
		LTE Band 66 (EIRP)	77.625mW (18.90dBm)	

Note:

1. This report is prepared for FCC class II permissive change. This report is issued as a supplementary report of BV CPS report no.: RFBBQZ-WTW-P20120749-6. Differences compared with the original report are changing model and adding ENDC n41A. Therefore, the EUT was tested and presented in the test report.
2. 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

3. The following antennas were provided to the EUT.

Internal Antenna

No.	Type	Connector	Gain (dBi)							
			B2	B5	B7	B12	B41	B66	B71	B77
1	Monopole	NA	1.83	-0.23	2.66	1.24	2.66	-0.01	0.91	-
2	Monopole	NA	1.03	-0.38	2.56	-	-	0.34	-	3.90

External Antenna

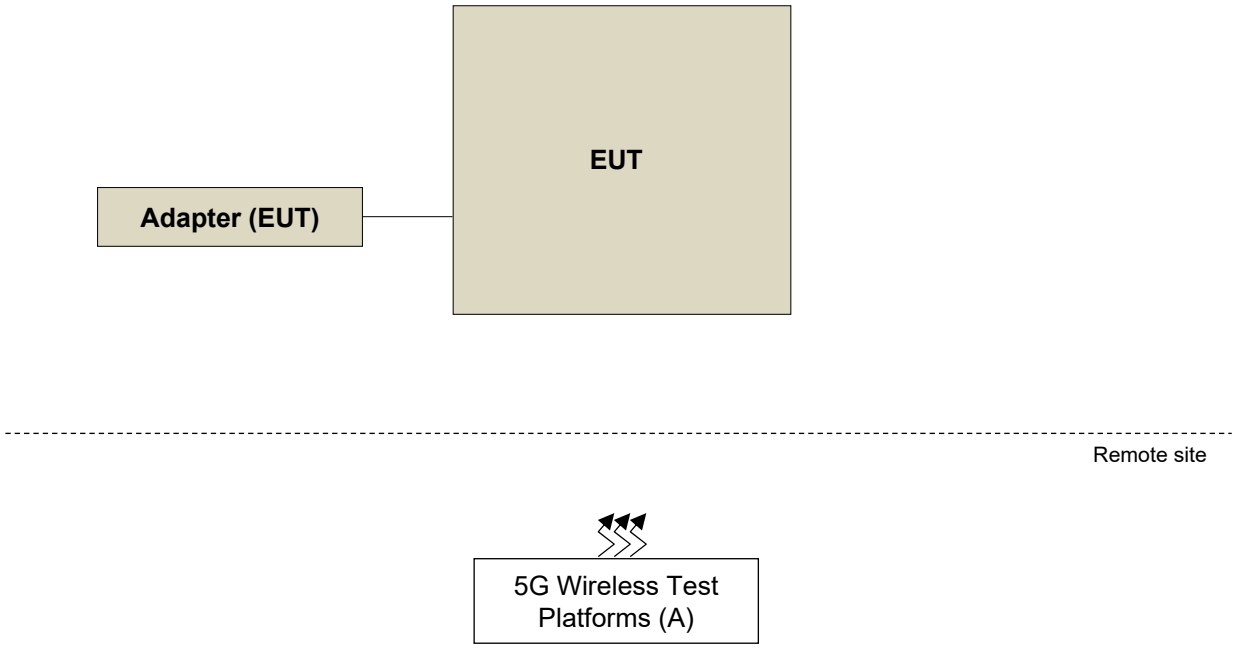
No.	Type	Connector	Gain (dBi)						
			B2	B5	B7	B12	B41	B66	B71
1	Monopole	TS-9 plugs	0.48	0.54	0.24	0.54	0.24	0.48	0.54
2	Monopole	TS-9 plugs	0.25	0.48	0.28	0.48	0.28	0.25	0.48

* 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.

4. The EUT supports the following ENDC configuration.

	FCC 5G FR1			ENDC
	Band	SCS	Bandwidth (MHz)	
5GNR	n2	15kHz	5/10/15/20	Band 5/12/66
	n41	30kHz	20/30/40/50/60/80/90/100	Band 2/66
	n77	30kHz	20/40/50/60/80/90/100	Band 2/7/12/66

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 as the table below. Following channel(s) was (were) selected for the final test as listed below:

Band	EIRP		Radiated Emission	
	Internal Antenna	External Antenna	Internal Antenna	External Antenna
n41	X-plane	Z-plane	X-plane	Z-plane
LTE Band 2	X-plane	Z-plane	X-plane	Z-plane
LTE Band 66	X-plane	Z-plane	X-plane	Z-plane

n41

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	501204 to 535998	501204 (2506.02MHz), 518598 (2592.99MHz), 535998 (2679.99MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		502200 to 534996	502200 (2511.00MHz), 518598 (2592.99MHz), 534996 (2674.98MHz)	30MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		503202 to 534000	503202 (2516.01MHz), 518598 (2592.99MHz), 534000 (2670.00MHz)	40MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		504204 to 532998	504204 (2521.02MHz), 518598 (2592.99MHz), 532998 (2664.99MHz)	50MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		505200 to 531996	505200 (2526.00MHz), 518598 (2592.99MHz), 531996 (2659.98MHz)	60MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		507204 to 529998	507204 (2536.02MHz), 518598 (2592.99MHz), 529998 (2649.99MHz)	80MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		508200 to 528996	508200 (2541.00MHz), 518598 (2592.99MHz), 528996 (2644.98MHz)	90MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		509202 to 528000	509202 (2546.01MHz), 518598 (2592.99MHz), 528000 (2640.00MHz)	100MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Modulation Characteristics	509202 to 528000	518598 (2592.99MHz)	100MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	273 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Frequency Stability	501204 to 535998	501204 (2506.02MHz), 535998 (2679.99MHz)	20MHz	QPSK	51 RB / 0 RB Offset
		502200 to 534996	502200 (2511.00MHz), 534996 (2674.98MHz)	30MHz	QPSK	78 RB / 0 RB Offset
		503202 to 534000	503202 (2516.01MHz), 534000 (2670.00MHz)	40MHz	QPSK	106 RB / 0 RB Offset
		504204 to 532998	504204 (2521.02MHz), 532998 (2664.99MHz)	50MHz	QPSK	133 RB / 0 RB Offset
		505200 to 531996	505200 (2526.00MHz), 531996 (2659.98MHz)	60MHz	QPSK	162 RB / 0 RB Offset
		507204 to 529998	507204 (2536.02MHz), 529998 (2649.99MHz)	80MHz	QPSK	217 RB / 0 RB Offset
		508200 to 528996	508200 (2541.00MHz), 528996 (2644.98MHz)	90MHz	QPSK	245 RB / 0 RB Offset
		509202 to 528000	509202 (2546.01MHz), 528000 (2640.00MHz)	100MHz	QPSK	273 RB / 0 RB Offset
-	Emission Bandwidth	501204 to 535998	501204 (2506.02MHz), 518598 (2592.99MHz), 535998 (2679.99MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	51 RB / 0 RB Offset
		502200 to 534996	502200 (2511.00MHz), 518598 (2592.99MHz), 534996 (2674.98MHz)	30MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	78 RB / 0 RB Offset
		503202 to 534000	503202 (2516.01MHz), 518598 (2592.99MHz), 534000 (2670.00MHz)	40MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	106 RB / 0 RB Offset
		504204 to 532998	504204 (2521.02MHz), 518598 (2592.99MHz), 532998 (2664.99MHz)	50MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	133 RB / 0 RB Offset
		505200 to 531996	505200 (2526.00MHz), 518598 (2592.99MHz), 531996 (2659.98MHz)	60MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	162 RB / 0 RB Offset
		507204 to 529998	507204 (2536.02MHz), 518598 (2592.99MHz), 529998 (2649.99MHz)	80MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	217 RB / 0 RB Offset
		508200 to 528996	508200 (2541.00MHz), 518598 (2592.99MHz), 528996 (2644.98MHz)	90MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	245 RB / 0 RB Offset
		509202 to 528000	509202 (2546.01MHz), 518598 (2592.99MHz), 528000 (2640.00MHz)	100MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	273 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Out-of-Band Emissions	501204 to 535998	501204 (2506.02MHz), 535998 (2679.99MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 50 RB Offset 51 RB / 0 RB Offset
		502200 to 534996	502200 (2511.00MHz), 534996 (2674.98MHz)	30MHz	QPSK	1 RB / 0 RB Offset 1 RB / 77 RB Offset 78 RB / 0 RB Offset
		503202 to 534000	503202 (2516.01MHz), 534000 (2670.00MHz)	40MHz	QPSK	1 RB / 0 RB Offset 1 RB / 105 RB Offset 106 RB / 0 RB Offset
		504204 to 532998	504204 (2521.02MHz), 532998 (2664.99MHz)	50MHz	QPSK	1 RB / 0 RB Offset 1 RB / 132 RB Offset 133 RB / 0 RB Offset
		505200 to 531996	505200 (2526.00MHz), 531996 (2659.98MHz)	60MHz	QPSK	1 RB / 0 RB Offset 1 RB / 161 RB Offset 162 RB / 0 RB Offset
		507204 to 529998	507204 (2536.02MHz), 529998 (2649.99MHz)	80MHz	QPSK	1 RB / 0 RB Offset 1 RB / 216 RB Offset 217 RB / 0 RB Offset
		508200 to 528996	508200 (2541.00MHz), 528996 (2644.98MHz)	90MHz	QPSK	1 RB / 0 RB Offset 1 RB / 244 RB Offset 245 RB / 0 RB Offset
		509202 to 528000	509202 (2546.01MHz), 528000 (2640.00MHz)	100MHz	QPSK	1 RB / 0 RB Offset 1 RB / 272 RB Offset 273 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Peak to Average Ratio	501204 to 535998	501204 (2506.02MHz), 518598 (2592.99MHz), 535998 (2679.99MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		502200 to 534996	502200 (2511.00MHz), 518598 (2592.99MHz), 534996 (2674.98MHz)	30MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		503202 to 534000	503202 (2516.01MHz), 518598 (2592.99MHz), 534000 (2670.00MHz)	40MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		504204 to 532998	504204 (2521.02MHz), 518598 (2592.99MHz), 532998 (2664.99MHz)	50MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		505200 to 531996	505200 (2526.00MHz), 518598 (2592.99MHz), 531996 (2659.98MHz)	60MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		507204 to 529998	507204 (2536.02MHz), 518598 (2592.99MHz), 529998 (2649.99MHz)	80MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		508200 to 528996	508200 (2541.00MHz), 518598 (2592.99MHz), 528996 (2644.98MHz)	90MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		509202 to 528000	509202 (2546.01MHz), 518598 (2592.99MHz), 528000 (2640.00MHz)	100MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Conducted Emission	501204 to 535998	501204 (2506.02MHz), 518598 (2592.99MHz), 535998 (2679.99MHz)	20MHz	QPSK	1 RB / 1 RB Offset
		502200 to 534996	502200 (2511.00MHz), 518598 (2592.99MHz), 534996 (2674.98MHz)	30MHz	QPSK	1 RB / 1 RB Offset
		503202 to 534000	503202 (2516.01MHz), 518598 (2592.99MHz), 534000 (2670.00MHz)	40MHz	QPSK	1 RB / 1 RB Offset
		504204 to 532998	504204 (2521.02MHz), 518598 (2592.99MHz), 532998 (2664.99MHz)	50MHz	QPSK	1 RB / 1 RB Offset
		505200 to 531996	505200 (2526.00MHz), 518598 (2592.99MHz), 531996 (2659.98MHz)	60MHz	QPSK	1 RB / 1 RB Offset
		507204 to 529998	507204 (2536.02MHz), 518598 (2592.99MHz), 529998 (2649.99MHz)	80MHz	QPSK	1 RB / 1 RB Offset
		508200 to 528996	508200 (2541.00MHz), 518598 (2592.99MHz), 528996 (2644.98MHz)	90MHz	QPSK	1 RB / 1 RB Offset
		509202 to 528000	509202 (2546.01MHz), 518598 (2592.99MHz), 528000 (2640.00MHz)	100MHz	QPSK	1 RB / 1 RB Offset
-	Radiated Emission Below 1GHz	501204 to 535998	501204 (2506.02MHz) (For Internal antenna)	20MHz	QPSK	1 RB / 1 RB Offset
		509202 to 528000	509202 (2546.01MHz) (For External antenna)	100MHz	QPSK	1 RB / 1 RB Offset
-	Radiated Emission Above 1GHz	501204 to 535998	501204 (2506.02MHz), 518598 (2592.99MHz), 535998 (2679.99MHz)	20MHz	QPSK	1 RB / 1 RB Offset
		504204 to 532998	504204 (2521.02MHz), 518598 (2592.99MHz), 532998 (2664.99MHz)	50MHz	QPSK	1 RB / 1 RB Offset
		509202 to 528000	509202 (2546.01MHz), 518598 (2592.99MHz), 528000 (2640.00MHz)	100MHz	QPSK	1 RB / 1 RB Offset

Note:

1. Only output power, 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 worse mode according to the maximum output power.
2. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
3. For radiated emission above 1GHz, according to 3GPP 38.521-1 Section 6.5.3.1.4, choose the lowest, mid and highest channel bandwidth for final test.

LTE Band 2

EUT Configure Mode	Test item	Available channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	18607 to 19193	18607 (1850.7MHz), 18900 (1880.0MHz), 19193 (1909.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		18615 to 19185	18615 (1851.5MHz), 18900 (1880.0MHz), 19185 (1908.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		18625 to 19175	18625 (1852.5MHz), 18900 (1880.0MHz), 19175 (1907.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		18650 to 19150	18650 (1855.0MHz), 18900 (1880.0MHz), 19150 (1905.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		18675 to 19125	18675 (1857.5MHz), 18900 (1880.0MHz), 19125 (1902.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		18700 to 19100	18700 (1860.0MHz), 18900 (1880.0MHz), 19100 (1900.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Radiated Emission Below 1GHz	18625 to 19175	19175 (1907.5MHz) (For Internal antenna)	5MHz	QPSK	1 RB / 0 RB Offset
		18607 to 19193	18607 (1850.7MHz) (For External antenna)	1.4MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	18607 to 19193	18607 (1850.7MHz), 18900 (1880.0MHz), 19193 (1909.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.5MHz), 18900 (1880.0MHz), 19175 (1907.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.0MHz), 18900 (1880.0MHz), 19100 (1900.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore the radiated emission test items was performed under QPSK mode only.
2. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
3. 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.

LTE Band 66

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	131979 to 132665	131979 (1710.7MHz), 132322 (1745.0MHz), 132665 (1779.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		131987 to 132657	131987 (1711.5MHz), 132322 (1745.0MHz), 132657 (1778.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132322 (1745.0MHz), 132647 (1777.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		132022 to 132622	132022 (1715.0MHz), 132322 (1745.0MHz), 132622 (1775.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		132047 to 132597	132047 (1717.5MHz), 132322 (1745.0MHz), 132597 (1772.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132322 (1745.0MHz), 132572 (1770.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Radiated Emission Below 1GHz	131997 to 132647	131997 (1712.5MHz) (For Internal antenna)	5MHz	QPSK	1 RB / 0 RB Offset
		131979 to 132665	132322 (1745.0MHz) (For External antenna)	1.4MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	131979 to 132665	131979 (1710.7MHz), 132322 (1745.0MHz), 132665 (1779.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132322 (1745.0MHz), 132647 (1777.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132322 (1745.0MHz), 132572 (1770.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

1. The output power for QPSK, 16QAM, 64QAM and 256QAM, measured value of QPSK is higher than 16QAM, 64QAM and 256QAM mode. Therefore the radiated emission test items was performed under QPSK mode only.
2. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
3. 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.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
EIRP	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Modulation Characteristics	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Frequency Stability	25deg. C, 60%RH	3.85Vdc	James Yang
Occupied Bandwidth	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Out-of-Band Emissions	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Peak To Average Ratio	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Conducted Emission	25deg. C, 60%RH	120Vac, 60Hz	James Yang
Radiated Emission	23deg. C, 67%RH 25deg. C, 65%RH	120Vac, 60Hz	Adair Peng Tank Wu

3.4 EUT Operating Conditions

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

3.5 General Description of Applied Standards and References

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

Test Standard:

FCC 47 CFR Part 2

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 and recorded as per the above standards.

4 Test Types and Results

4.1 Output Power Measurement

4.1.1 Limits of Output Power Measurement

For n41:
Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

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

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

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.

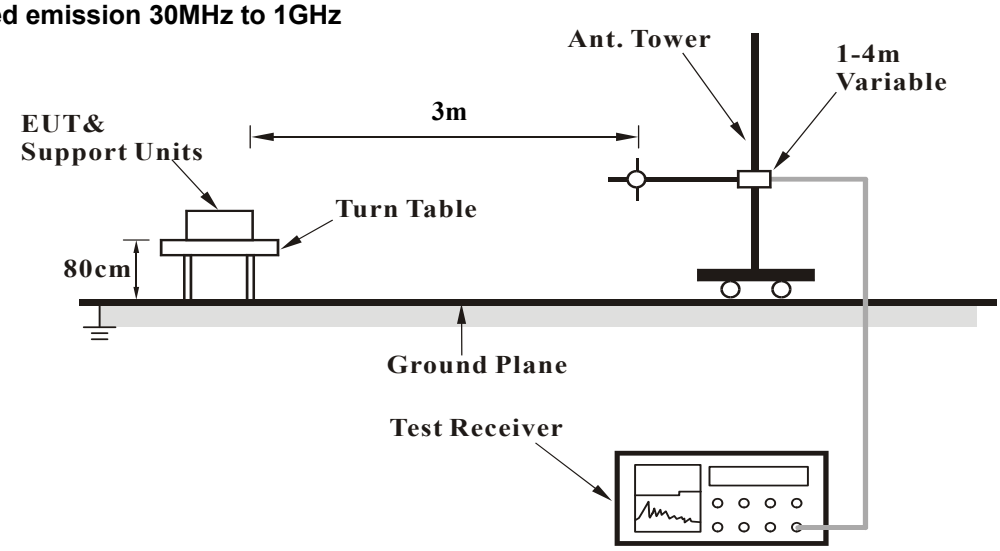
Conducted Power Measurement:

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.

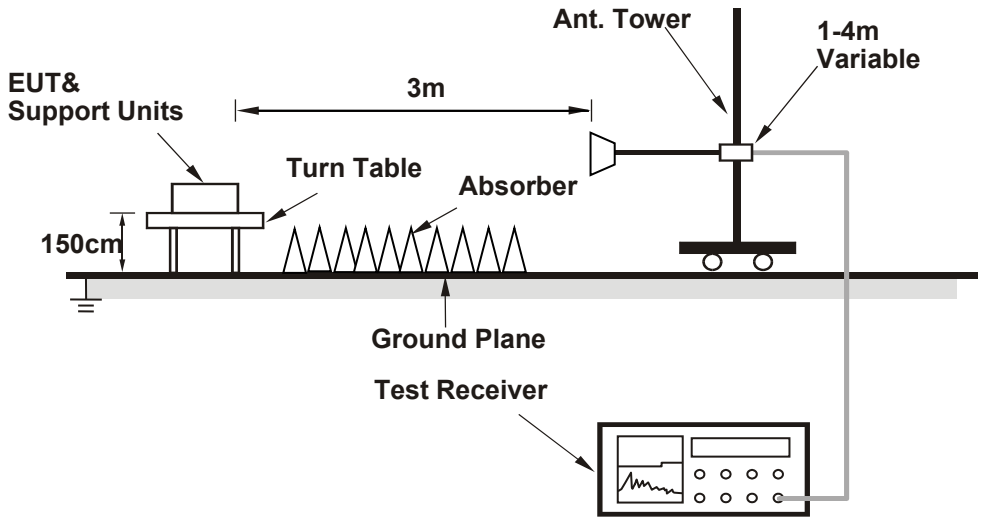
4.1.3 Test Setup

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:

4.1.4 Test Results

Conducted Output Power (dBm)

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		509202	518598	528000
		Frequency (MHz)		2546.01	2592.99	2640
100M	$\pi/2$ BPSK	1	1	23.56	23.80	23.73
100M	QPSK	1	1	23.61	23.84	23.79
		1	137	23.52	23.79	23.74
		1	271	23.23	23.51	23.46
		135	0	22.21	22.59	22.53
		135	69	23.35	23.62	23.59
		135	138	22.36	22.61	22.56
		270	0	22.68	22.95	22.90
100M	16QAM	1	1	22.65	22.86	22.78
100M	64QAM	1	1	21.12	20.92	20.99
100M	256QAM	1	1	18.70	19.14	19.02
BW	MCS Index	Channel		508200	518598	528996
		Frequency (MHz)		2541	2592.99	2644.98
90M	$\pi/2$ BPSK	1	1	23.46	23.71	23.71
90M	QPSK	1	1	23.59	23.75	23.77
		1	123	23.48	23.74	23.67
		1	243	23.18	23.50	23.45
		120	0	22.11	22.51	22.48
		120	63	23.34	23.52	23.54
		120	125	22.28	22.56	22.47
		243	0	22.66	22.91	22.65
90M	16QAM	1	1	22.55	22.82	22.73
90M	64QAM	1	1	21.01	20.92	20.93
90M	256QAM	1	1	18.98	19.13	19.16

NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		507204	518598	529998
		Frequency (MHz)		2536.02	2592.99	2649.99
80M	$\pi/2$ BPSK	1	1	23.45	23.73	23.64
80M	QPSK	1	1	23.58	23.67	23.69
		1	109	23.41	23.68	23.61
		1	215	23.03	23.50	23.46
		108	0	22.16	22.47	22.46
		108	55	23.22	23.57	23.54
		108	109	22.28	22.58	22.54
		216	0	22.46	22.68	22.73
80M	16QAM	1	1	22.56	22.69	22.75
80M	64QAM	1	1	20.92	21.12	21.14
80M	256QAM	1	1	18.68	18.86	19.01
BW	MCS Index	Channel		505200	518598	531996
		Frequency (MHz)		2526	2592.99	2659.98
60M	$\pi/2$ BPSK	1	1	23.43	23.65	23.56
60M	QPSK	1	1	23.53	23.67	23.68
		1	81	23.40	23.59	23.57
		1	160	22.93	23.49	23.43
		81	0	22.11	22.40	22.37
		81	41	23.15	23.49	23.44
		81	81	22.23	22.55	22.53
		162	0	22.43	22.60	22.64
60M	16QAM	1	1	22.56	22.65	22.63
60M	64QAM	1	1	20.98	21.30	21.05
60M	256QAM	1	1	18.77	19.36	19.16
NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		504204	518598	532998
		Frequency (MHz)		2521.02	2592.99	2664.99
50M	$\pi/2$ BPSK	1	1	23.42	23.58	23.48
50M	QPSK	1	1	23.49	23.59	23.64
		1	67	23.37	23.58	23.50
		1	131	22.91	23.43	23.40
		64	0	22.05	22.38	22.36
		64	35	23.11	23.45	23.43
		64	69	22.15	22.47	22.51
		128	0	22.34	22.65	22.46
50M	16QAM	1	1	22.49	22.57	22.64
50M	64QAM	1	1	20.80	21.13	20.98
50M	256QAM	1	1	18.84	19.33	19.04

BW	MCS Index	Channel		503202	518598	534000
		Frequency (MHz)		2516.01	2592.99	2670
40M	$\pi/2$ BPSK	1	1	23.43	23.55	23.46
40M	QPSK	1	1	23.46	23.59	23.65
		1	53	23.30	23.57	23.53
		1	104	22.84	23.41	23.41
		50	0	22.01	22.35	22.32
		50	28	23.13	23.43	23.36
		50	56	22.23	22.55	22.50
		100	0	22.36	22.58	22.52
40M	16QAM	1	1	22.46	22.63	22.64
40M	64QAM	1	1	20.77	21.14	20.87
40M	256QAM	1	1	18.69	19.13	18.89
NR Band 41						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		502200	518598	534996
		Frequency (MHz)		2511	2592.99	2674.98
30M	$\pi/2$ BPSK	1	1	23.42	23.50	23.44
30M	QPSK	1	1	23.36	23.55	23.62
		1	39	23.29	23.56	23.44
		1	76	22.81	23.37	23.31
		36	0	21.91	22.31	22.31
		36	21	23.09	23.43	23.29
		36	42	22.22	22.54	22.48
		75	0	22.31	22.52	22.43
30M	16QAM	1	1	22.42	22.63	22.60
30M	64QAM	1	1	20.82	21.08	20.84
30M	256QAM	1	1	18.71	19.23	19.02
BW	MCS Index	Channel		501204	518598	535998
		Frequency (MHz)		2506.02	2592.99	2679.99
20M	$\pi/2$ BPSK	1	1	23.34	23.44	23.36
20M	QPSK	1	1	23.36	23.45	23.54
		1	26	23.21	23.50	23.39
		1	49	22.73	23.37	23.23
		25	0	21.88	22.27	22.21
		25	13	23.07	23.38	23.20
		25	26	22.21	22.54	22.46
		50	0	22.38	22.50	22.41
20M	16QAM	1	1	22.36	22.45	22.59
20M	64QAM	1	1	20.79	21.03	21.03
20M	256QAM	1	1	19.01	19.07	19.25

EIRP Power (dBm)

Internal Antenna

Modulation Type: $\pi/2$ BPSK

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	18.16	33.00	-14.84	2.14 H	315	81.48	-63.32
2	2592.99	18.56	33.00	-14.44	2.15 H	311	81.68	-63.12
3	2679.99	18.46	33.00	-14.54	2.20 H	316	81.14	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	13.35	33.00	-19.65	3.39 V	194	76.67	-63.32
2	2592.99	13.50	33.00	-19.50	3.38 V	198	76.62	-63.12
3	2679.99	12.94	33.00	-20.06	3.38 V	194	75.62	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	18.58	33.00	-14.42	2.17 H	311	81.88	-63.30
2	2592.99	18.70	33.00	-14.30	2.17 H	311	81.82	-63.12
3	2674.98	18.45	33.00	-14.55	2.16 H	317	81.16	-62.71
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	2511.00	13.03	33.00	-19.97	3.39 V	196	76.33	-63.30
2	2592.99	13.57	33.00	-19.43	3.37 V	196	76.69	-63.12
3	2674.98	13.04	33.00	-19.96	3.42 V	198	75.75	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	19.00	33.00	-14.00	2.13 H	313	82.30	-63.30
2	2592.99	18.40	33.00	-14.60	2.14 H	315	81.52	-63.12
3	2670.00	18.79	33.00	-14.21	2.22 H	317	81.53	-62.74
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	2516.01	13.01	33.00	-19.99	3.32 V	195	76.31	-63.30
2	2592.99	13.12	33.00	-19.88	3.42 V	197	76.24	-63.12
3	2670.00	13.02	33.00	-19.98	3.34 V	197	75.76	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	19.02	33.00	-13.98	2.14 H	316	82.30	-63.28
2	2592.99	18.80	33.00	-14.20	2.14 H	317	81.92	-63.12
3	2664.99	18.70	33.00	-14.30	2.14 H	315	81.46	-62.76
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	2521.02	13.68	33.00	-19.32	3.38 V	193	76.96	-63.28
2	2592.99	13.58	33.00	-19.42	3.34 V	200	76.70	-63.12
3	2664.99	13.46	33.00	-19.54	3.34 V	200	76.22	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	18.82	33.00	-14.18	2.21 H	315	82.09	-63.27
2	2592.99	18.72	33.00	-14.28	2.16 H	315	81.84	-63.12
3	2659.98	18.67	33.00	-14.33	2.21 H	313	81.46	-62.79
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	2526.00	13.47	33.00	-19.53	3.42 V	197	76.74	-63.27
2	2592.99	13.15	33.00	-19.85	3.32 V	197	76.27	-63.12
3	2659.98	13.07	33.00	-19.93	3.36 V	197	75.86	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	18.89	33.00	-14.11	2.17 H	313	82.14	-63.25
2	2592.99	18.56	33.00	-14.44	2.23 H	313	81.68	-63.12
3	2649.99	18.58	33.00	-14.42	2.22 H	312	81.42	-62.84
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	2536.02	13.48	33.00	-19.52	3.37 V	193	76.73	-63.25
2	2592.99	13.36	33.00	-19.64	3.37 V	200	76.48	-63.12
3	2649.99	13.14	33.00	-19.86	3.38 V	194	75.98	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	18.79	33.00	-14.21	2.15 H	318	82.03	-63.24
2	2592.99	18.47	33.00	-14.53	2.17 H	310	81.59	-63.12
3	2644.98	18.35	33.00	-14.65	2.19 H	314	81.22	-62.87
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	2541.00	13.57	33.00	-19.43	3.38 V	195	76.81	-63.24
2	2592.99	13.25	33.00	-19.75	3.36 V	199	76.37	-63.12
3	2644.98	13.02	33.00	-19.98	3.45 V	192	75.89	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	18.80	33.00	-14.20	2.14 H	316	82.02	-63.22
2	2592.99	18.47	33.00	-14.53	2.18 H	314	81.59	-63.12
3	2640.00	18.37	33.00	-14.63	2.19 H	312	81.26	-62.89
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	2546.01	13.57	33.00	-19.43	3.36 V	195	76.79	-63.22
2	2592.99	13.25	33.00	-19.75	3.38 V	198	76.37	-63.12
3	2640.00	13.03	33.00	-19.97	3.34 V	195	75.92	-62.89

Remarks:

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

Modulation Type: QPSK

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	18.55	33.00	-14.45	2.14 H	315	81.87	-63.32
2	2592.99	18.61	33.00	-14.39	2.15 H	311	81.73	-63.12
3	2679.99	18.61	33.00	-14.39	2.20 H	316	81.29	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	13.51	33.00	-19.49	3.39 V	194	76.83	-63.32
2	2592.99	13.75	33.00	-19.25	3.38 V	198	76.87	-63.12
3	2679.99	13.14	33.00	-19.86	3.38 V	194	75.82	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	18.77	33.00	-14.23	2.17 H	311	82.07	-63.30
2	2592.99	19.03	33.00	-13.97	2.17 H	311	82.15	-63.12
3	2674.98	18.55	33.00	-14.45	2.16 H	317	81.26	-62.71
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	2511.00	13.34	33.00	-19.66	3.39 V	196	76.64	-63.30
2	2592.99	13.71	33.00	-19.29	3.37 V	196	76.83	-63.12
3	2674.98	13.37	33.00	-19.63	3.42 V	198	76.08	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	19.30	33.00	-13.70	2.13 H	313	82.60	-63.30
2	2592.99	18.60	33.00	-14.40	2.14 H	315	81.72	-63.12
3	2670.00	18.91	33.00	-14.09	2.22 H	317	81.65	-62.74
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	2516.01	13.11	33.00	-19.89	3.32 V	195	76.41	-63.30
2	2592.99	13.25	33.00	-19.75	3.42 V	197	76.37	-63.12
3	2670.00	13.25	33.00	-19.75	3.34 V	197	75.99	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	19.32	33.00	-13.68	2.14 H	316	82.60	-63.28
2	2592.99	19.02	33.00	-13.98	2.14 H	317	82.14	-63.12
3	2664.99	18.96	33.00	-14.04	2.14 H	315	81.72	-62.76
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	2521.02	13.80	33.00	-19.20	3.38 V	193	77.08	-63.28
2	2592.99	13.78	33.00	-19.22	3.34 V	200	76.90	-63.12
3	2664.99	13.60	33.00	-19.40	3.34 V	200	76.36	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	19.18	33.00	-13.82	2.21 H	315	82.45	-63.27
2	2592.99	19.16	33.00	-13.84	2.16 H	315	82.28	-63.12
3	2659.98	18.99	33.00	-14.01	2.21 H	313	81.78	-62.79
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	2526.00	13.70	33.00	-19.30	3.42 V	197	76.97	-63.27
2	2592.99	13.48	33.00	-19.52	3.32 V	197	76.60	-63.12
3	2659.98	13.27	33.00	-19.73	3.36 V	197	76.06	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	18.94	33.00	-14.06	2.17 H	313	82.19	-63.25
2	2592.99	18.64	33.00	-14.36	2.23 H	313	81.76	-63.12
3	2649.99	18.79	33.00	-14.21	2.22 H	312	81.63	-62.84
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	2536.02	13.77	33.00	-19.23	3.37 V	193	77.02	-63.25
2	2592.99	13.56	33.00	-19.44	3.37 V	200	76.68	-63.12
3	2649.99	13.36	33.00	-19.64	3.38 V	194	76.20	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	18.89	33.00	-14.11	2.15 H	318	82.13	-63.24
2	2592.99	18.69	33.00	-14.31	2.17 H	310	81.81	-63.12
3	2644.98	18.83	33.00	-14.17	2.19 H	314	81.70	-62.87
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	2541.00	13.75	33.00	-19.25	3.38 V	195	76.99	-63.24
2	2592.99	13.52	33.00	-19.48	3.36 V	199	76.64	-63.12
3	2644.98	13.22	33.00	-19.78	3.45 V	192	76.09	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	18.99	33.00	-14.01	2.14 H	316	82.21	-63.22
2	2592.99	18.66	33.00	-14.34	2.18 H	314	81.78	-63.12
3	2640.00	18.72	33.00	-14.28	2.19 H	312	81.61	-62.89
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	2546.01	13.72	33.00	-19.28	3.36 V	195	76.94	-63.22
2	2592.99	13.49	33.00	-19.51	3.38 V	198	76.61	-63.12
3	2640.00	13.33	33.00	-19.67	3.34 V	195	76.22	-62.89

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

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	18.18	33.00	-14.82	2.15 H	317	81.50	-63.32
2	2592.99	18.21	33.00	-14.79	2.15 H	314	81.33	-63.12
3	2679.99	17.65	33.00	-15.35	2.21 H	311	80.33	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	12.47	33.00	-20.53	3.34 V	199	75.79	-63.32
2	2592.99	12.71	33.00	-20.29	3.34 V	200	75.83	-63.12
3	2679.99	12.75	33.00	-20.25	3.34 V	199	75.43	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	17.57	33.00	-15.43	2.14 H	312	80.87	-63.30
2	2592.99	17.84	33.00	-15.16	2.17 H	316	80.96	-63.12
3	2674.98	18.01	33.00	-14.99	2.13 H	317	80.72	-62.71
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	2511.00	12.58	33.00	-20.42	3.41 V	198	75.88	-63.30
2	2592.99	12.20	33.00	-20.80	3.36 V	194	75.32	-63.12
3	2674.98	12.64	33.00	-20.36	3.38 V	199	75.35	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	18.29	33.00	-14.71	2.21 H	312	81.59	-63.30
2	2592.99	17.61	33.00	-15.39	2.19 H	315	80.73	-63.12
3	2670.00	17.91	33.00	-15.09	2.17 H	315	80.65	-62.74
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	2516.01	12.10	33.00	-20.90	3.32 V	200	75.40	-63.30
2	2592.99	12.26	33.00	-20.74	3.41 V	193	75.38	-63.12
3	2670.00	12.27	33.00	-20.73	3.33 V	198	75.01	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	18.20	33.00	-14.80	2.13 H	316	81.48	-63.28
2	2592.99	18.01	33.00	-14.99	2.15 H	314	81.13	-63.12
3	2664.99	17.98	33.00	-15.02	2.19 H	314	80.74	-62.76
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	2521.02	12.81	33.00	-20.19	3.39 V	196	76.09	-63.28
2	2592.99	12.76	33.00	-20.24	3.33 V	199	75.88	-63.12
3	2664.99	12.59	33.00	-20.41	3.34 V	194	75.35	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	18.16	33.00	-14.84	2.14 H	311	81.43	-63.27
2	2592.99	18.15	33.00	-14.85	2.23 H	314	81.27	-63.12
3	2659.98	18.01	33.00	-14.99	2.17 H	317	80.80	-62.79
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	2526.00	12.72	33.00	-20.28	3.40 V	199	75.99	-63.27
2	2592.99	12.46	33.00	-20.54	3.38 V	200	75.58	-63.12
3	2659.98	12.26	33.00	-20.74	3.37 V	196	75.05	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	17.92	33.00	-15.08	2.17 H	313	81.17	-63.25
2	2592.99	17.66	33.00	-15.34	2.13 H	312	80.78	-63.12
3	2649.99	17.79	33.00	-15.21	2.15 H	310	80.63	-62.84
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	2536.02	12.75	33.00	-20.25	3.42 V	197	76.00	-63.25
2	2592.99	12.57	33.00	-20.43	3.33 V	193	75.69	-63.12
3	2649.99	12.37	33.00	-20.63	3.41 V	194	75.21	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	17.88	33.00	-15.12	2.16 H	312	81.12	-63.24
2	2592.99	17.68	33.00	-15.32	2.11 H	314	80.80	-63.12
3	2644.98	18.03	33.00	-14.97	2.14 H	309	80.90	-62.87
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	2541.00	12.75	33.00	-20.25	3.44 V	195	75.99	-63.24
2	2592.99	12.55	33.00	-20.45	3.31 V	192	75.67	-63.12
3	2644.98	12.39	33.00	-20.61	3.38 V	192	75.26	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	17.86	33.00	-15.14	2.12 H	315	81.08	-63.22
2	2592.99	17.69	33.00	-15.31	2.16 H	310	80.81	-63.12
3	2640.00	17.78	33.00	-15.22	2.13 H	308	80.67	-62.89
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	2546.01	12.79	33.00	-20.21	3.41 V	195	76.01	-63.22
2	2592.99	12.52	33.00	-20.48	3.28 V	196	75.64	-63.12
3	2640.00	12.33	33.00	-20.67	3.42 V	193	75.22	-62.89

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

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	17.16	33.00	-15.84	2.13 H	312	80.48	-63.32
2	2592.99	17.22	33.00	-15.78	2.18 H	316	80.34	-63.12
3	2679.99	16.67	33.00	-16.33	2.17 H	315	79.35	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	11.49	33.00	-21.51	3.35 V	195	74.81	-63.32
2	2592.99	11.69	33.00	-21.31	3.32 V	193	74.81	-63.12
3	2679.99	11.76	33.00	-21.24	3.42 V	194	74.44	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	16.59	33.00	-16.41	2.23 H	314	79.89	-63.30
2	2592.99	16.83	33.00	-16.17	2.17 H	317	79.95	-63.12
3	2674.98	17.00	33.00	-16.00	2.15 H	314	79.71	-62.71
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	2511.00	11.59	33.00	-21.41	3.35 V	192	74.89	-63.30
2	2592.99	11.20	33.00	-21.80	3.35 V	194	74.32	-63.12
3	2674.98	11.65	33.00	-21.35	3.42 V	198	74.36	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	17.31	33.00	-15.69	2.13 H	317	80.61	-63.30
2	2592.99	16.63	33.00	-16.37	2.23 H	317	79.75	-63.12
3	2670.00	16.89	33.00	-16.11	2.23 H	315	79.63	-62.74
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	2516.01	11.09	33.00	-21.91	3.32 V	200	74.39	-63.30
2	2592.99	11.24	33.00	-21.76	3.41 V	194	74.36	-63.12
3	2670.00	11.28	33.00	-21.72	3.37 V	194	74.02	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	17.21	33.00	-15.79	2.22 H	310	80.49	-63.28
2	2592.99	17.01	33.00	-15.99	2.13 H	317	80.13	-63.12
3	2664.99	17.00	33.00	-16.00	2.22 H	313	79.76	-62.76
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	2521.02	11.81	33.00	-21.19	3.34 V	198	75.09	-63.28
2	2592.99	11.46	33.00	-21.54	3.40 V	199	74.58	-63.12
3	2664.99	11.58	33.00	-21.42	3.36 V	200	74.34	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	17.17	33.00	-15.83	2.14 H	317	80.44	-63.27
2	2592.99	17.16	33.00	-15.84	2.13 H	310	80.28	-63.12
3	2659.98	16.99	33.00	-16.01	2.19 H	313	79.78	-62.79
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	2526.00	11.71	33.00	-21.29	3.41 V	195	74.98	-63.27
2	2592.99	11.46	33.00	-21.54	3.40 V	199	74.58	-63.12
3	2659.98	11.27	33.00	-21.73	3.36 V	200	74.06	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	16.93	33.00	-16.07	2.19 H	311	80.18	-63.25
2	2592.99	16.67	33.00	-16.33	2.13 H	316	79.79	-63.12
3	2649.99	16.81	33.00	-16.19	2.15 H	315	79.65	-62.84
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	2536.02	11.77	33.00	-21.23	3.37 V	193	75.02	-63.25
2	2592.99	11.59	33.00	-21.41	3.34 V	195	74.71	-63.12
3	2649.99	11.38	33.00	-21.62	3.42 V	193	74.22	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	17.09	33.00	-15.91	2.12 H	315	80.33	-63.24
2	2592.99	17.11	33.00	-15.89	2.12 H	311	80.23	-63.12
3	2644.98	16.87	33.00	-16.13	2.16 H	314	79.74	-62.87
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	2541.00	11.69	33.00	-21.31	3.44 V	192	74.93	-63.24
2	2592.99	11.45	33.00	-21.55	3.38 V	195	74.57	-63.12
3	2644.98	11.22	33.00	-21.78	3.43 V	192	74.09	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	16.89	33.00	-16.11	2.17 H	310	80.11	-63.22
2	2592.99	16.69	33.00	-16.31	2.10 H	314	79.81	-63.12
3	2640.00	16.88	33.00	-16.12	2.13 H	319	79.77	-62.89
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	2546.01	11.79	33.00	-21.21	3.35 V	198	75.01	-63.22
2	2592.99	11.63	33.00	-21.37	3.38 V	192	74.75	-63.12
3	2640.00	11.35	33.00	-21.65	3.47 V	191	74.24	-62.89

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

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	16.14	33.00	-16.86	2.22 H	311	79.46	-63.32
2	2592.99	16.21	33.00	-16.79	2.13 H	317	79.33	-63.12
3	2679.99	15.69	33.00	-17.31	2.16 H	316	78.37	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	10.49	33.00	-22.51	3.36 V	198	73.81	-63.32
2	2592.99	10.71	33.00	-22.29	3.42 V	194	73.83	-63.12
3	2679.99	10.77	33.00	-22.23	3.42 V	196	73.45	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	15.60	33.00	-17.40	2.19 H	312	78.90	-63.30
2	2592.99	15.83	33.00	-17.17	2.23 H	316	78.95	-63.12
3	2674.98	16.02	33.00	-16.98	2.19 H	313	78.73	-62.71
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	2511.00	10.59	33.00	-22.41	3.32 V	193	73.89	-63.30
2	2592.99	10.21	33.00	-22.79	3.42 V	200	73.33	-63.12
3	2674.98	10.66	33.00	-22.34	3.40 V	193	73.37	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	16.29	33.00	-16.71	2.16 H	315	79.59	-63.30
2	2592.99	15.63	33.00	-17.37	2.15 H	313	78.75	-63.12
3	2670.00	15.90	33.00	-17.10	2.19 H	316	78.64	-62.74
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	2516.01	10.07	33.00	-22.93	3.42 V	193	73.37	-63.30
2	2592.99	10.23	33.00	-22.77	3.37 V	194	73.35	-63.12
3	2670.00	10.27	33.00	-22.73	3.42 V	200	73.01	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	16.23	33.00	-16.77	2.17 H	315	79.51	-63.28
2	2592.99	15.99	33.00	-17.01	2.20 H	310	79.11	-63.12
3	2664.99	15.98	33.00	-17.02	2.20 H	317	78.74	-62.76
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	2521.02	10.82	33.00	-22.18	3.35 V	197	74.10	-63.28
2	2592.99	10.78	33.00	-22.22	3.37 V	200	73.90	-63.12
3	2664.99	10.60	33.00	-22.40	3.41 V	200	73.36	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	16.17	33.00	-16.83	2.22 H	312	79.44	-63.27
2	2592.99	16.15	33.00	-16.85	2.22 H	310	79.27	-63.12
3	2659.98	16.01	33.00	-16.99	2.21 H	310	78.80	-62.79
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	2526.00	10.69	33.00	-22.31	3.36 V	197	73.96	-63.27
2	2592.99	10.45	33.00	-22.55	3.42 V	197	73.57	-63.12
3	2659.98	10.25	33.00	-22.75	3.36 V	197	73.04	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	15.94	33.00	-17.06	2.17 H	313	79.19	-63.25
2	2592.99	15.68	33.00	-17.32	2.21 H	312	78.80	-63.12
3	2649.99	15.83	33.00	-17.17	2.16 H	314	78.67	-62.84
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	2536.02	10.77	33.00	-22.23	3.42 V	194	74.02	-63.25
2	2592.99	10.60	33.00	-22.40	3.42 V	199	73.72	-63.12
3	2649.99	10.40	33.00	-22.60	3.37 V	196	73.24	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	16.12	33.00	-16.88	2.19 H	311	79.36	-63.24
2	2592.99	16.19	33.00	-16.81	2.18 H	307	79.31	-63.12
3	2644.98	16.03	33.00	-16.97	2.19 H	310	78.90	-62.87
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	2541.00	10.62	33.00	-22.38	3.42 V	197	73.86	-63.24
2	2592.99	10.47	33.00	-22.53	3.41 V	198	73.59	-63.12
3	2644.98	10.23	33.00	-22.77	3.30 V	189	73.10	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	15.93	33.00	-17.07	2.13 H	314	79.15	-63.22
2	2592.99	15.63	33.00	-17.37	2.27 H	310	78.75	-63.12
3	2640.00	15.84	33.00	-17.16	2.13 H	309	78.73	-62.89
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	2546.01	10.73	33.00	-22.27	3.39 V	198	73.95	-63.22
2	2592.99	10.57	33.00	-22.43	3.45 V	195	73.69	-63.12
3	2640.00	10.39	33.00	-22.61	3.34 V	192	73.28	-62.89

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

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	17.10	33.00	-15.90	3.52 H	157	83.40	-66.30
2	1880.00	17.30	33.00	-15.70	3.47 H	152	83.50	-66.20
3	1909.30	17.50	33.00	-15.50	3.58 H	157	83.50	-66.00
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	20.30	33.00	-12.70	1.57 V	53	86.60	-66.30
2	1880.00	20.20	33.00	-12.80	1.54 V	55	86.40	-66.20
3	1909.30	20.30	33.00	-12.70	1.58 V	54	86.30	-66.00

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	17.10	33.00	-15.90	3.48 H	145	83.40	-66.30
2	1880.00	17.30	33.00	-15.70	3.52 H	150	83.50	-66.20
3	1908.50	17.50	33.00	-15.50	3.51 H	152	83.50	-66.00
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	20.30	33.00	-12.70	1.53 V	55	86.60	-66.30
2	1880.00	20.40	33.00	-12.60	1.52 V	51	86.60	-66.20
3	1908.50	20.40	33.00	-12.60	1.57 V	56	86.40	-66.00

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	20.30	33.00	-12.70	1.49 H	52	86.60	-66.30
2	1880.00	20.40	33.00	-12.60	1.51 H	55	86.60	-66.20
3	1907.50	20.50	33.00	-12.50	1.53 H	58	86.50	-66.00
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	17.20	33.00	-15.80	3.57 V	152	83.50	-66.30
2	1880.00	17.30	33.00	-15.70	3.56 V	151	83.50	-66.20
3	1907.50	17.50	33.00	-15.50	3.53 V	157	83.50	-66.00

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	17.20	33.00	-15.80	3.55 H	150	83.50	-66.30
2	1880.00	17.20	33.00	-15.80	3.57 H	148	83.40	-66.20
3	1905.00	17.60	33.00	-15.40	3.54 H	159	83.60	-66.00
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	20.20	33.00	-12.80	1.54 V	56	86.50	-66.30
2	1880.00	20.40	33.00	-12.60	1.53 V	53	86.60	-66.20
3	1905.00	20.50	33.00	-12.50	1.50 V	57	86.50	-66.00

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	17.20	33.00	-15.80	3.55 H	149	83.50	-66.30
2	1880.00	17.30	33.00	-15.70	3.54 H	152	83.50	-66.20
3	1902.50	17.50	33.00	-15.50	3.51 H	150	83.60	-66.10
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	20.40	33.00	-12.60	1.55 V	49	86.70	-66.30
2	1880.00	20.30	33.00	-12.70	1.50 V	55	86.50	-66.20
3	1902.50	20.40	33.00	-12.60	1.51 V	54	86.50	-66.10

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	17.30	33.00	-15.70	3.50 H	148	83.60	-66.30
2	1880.00	17.30	33.00	-15.70	3.55 H	153	83.50	-66.20
3	1900.00	17.50	33.00	-15.50	3.49 H	158	83.60	-66.10
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	20.40	33.00	-12.60	1.58 V	56	86.70	-66.30
2	1880.00	20.40	33.00	-12.60	1.57 V	52	86.60	-66.20
3	1900.00	20.60	33.00	-12.40	1.53 V	55	86.70	-66.10

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	16.10	33.00	-16.90	3.52 H	157	82.40	-66.30
2	1880.00	16.20	33.00	-16.80	3.47 H	152	82.40	-66.20
3	1909.30	16.50	33.00	-16.50	3.58 H	157	82.50	-66.00
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	19.10	33.00	-13.90	1.57 V	53	85.40	-66.30
2	1880.00	19.20	33.00	-13.80	1.54 V	55	85.40	-66.20
3	1909.30	19.20	33.00	-13.80	1.58 V	54	85.20	-66.00

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	16.00	33.00	-17.00	3.48 H	145	82.30	-66.30
2	1880.00	16.30	33.00	-16.70	3.52 H	150	82.50	-66.20
3	1908.50	16.50	33.00	-16.50	3.51 H	152	82.50	-66.00
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	19.30	33.00	-13.70	1.53 V	55	85.60	-66.30
2	1880.00	19.40	33.00	-13.60	1.52 V	51	85.60	-66.20
3	1908.50	19.20	33.00	-13.80	1.57 V	56	85.20	-66.00

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	19.30	33.00	-13.70	1.49 H	52	85.60	-66.30
2	1880.00	19.40	33.00	-13.60	1.51 H	55	85.60	-66.20
3	1907.50	19.50	33.00	-13.50	1.53 H	58	85.50	-66.00
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	16.20	33.00	-16.80	3.57 V	152	82.50	-66.30
2	1880.00	16.30	33.00	-16.70	3.56 V	151	82.50	-66.20
3	1907.50	16.50	33.00	-16.50	3.53 V	157	82.50	-66.00

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	16.20	33.00	-16.80	3.55 H	150	82.50	-66.30
2	1880.00	16.20	33.00	-16.80	3.57 H	148	82.40	-66.20
3	1905.00	16.60	33.00	-16.40	3.54 H	159	82.60	-66.00
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	19.20	33.00	-13.80	1.54 V	56	85.50	-66.30
2	1880.00	19.40	33.00	-13.60	1.53 V	53	85.60	-66.20
3	1905.00	19.50	33.00	-13.50	1.50 V	57	85.50	-66.00

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	16.20	33.00	-16.80	3.55 H	149	82.50	-66.30
2	1880.00	16.30	33.00	-16.70	3.54 H	152	82.50	-66.20
3	1902.50	16.50	33.00	-16.50	3.51 H	150	82.60	-66.10
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	19.10	33.00	-13.90	1.55 V	49	85.40	-66.30
2	1880.00	19.30	33.00	-13.70	1.50 V	55	85.50	-66.20
3	1902.50	19.20	33.00	-13.80	1.51 V	54	85.30	-66.10

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	16.30	33.00	-16.70	3.50 H	148	82.60	-66.30
2	1880.00	16.30	33.00	-16.70	3.55 H	153	82.50	-66.20
3	1900.00	16.50	33.00	-16.50	3.49 H	158	82.60	-66.10
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	19.40	33.00	-13.60	1.58 V	56	85.70	-66.30
2	1880.00	19.40	33.00	-13.60	1.57 V	52	85.60	-66.20
3	1900.00	19.60	33.00	-13.40	1.53 V	55	85.70	-66.10

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	15.10	33.00	-17.90	3.52 H	157	81.40	-66.30
2	1880.00	15.20	33.00	-17.80	3.47 H	152	81.40	-66.20
3	1909.30	15.50	33.00	-17.50	3.58 H	157	81.50	-66.00
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	18.50	33.00	-14.50	1.57 V	53	84.80	-66.30
2	1880.00	18.70	33.00	-14.30	1.54 V	55	84.90	-66.20
3	1909.30	18.60	33.00	-14.40	1.58 V	54	84.60	-66.00

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	15.40	33.00	-17.60	3.48 H	145	81.70	-66.30
2	1880.00	15.70	33.00	-17.30	3.52 H	150	81.90	-66.20
3	1908.50	15.50	33.00	-17.50	3.51 H	152	81.50	-66.00
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	18.60	33.00	-14.40	1.53 V	55	84.90	-66.30
2	1880.00	18.70	33.00	-14.30	1.52 V	51	84.90	-66.20
3	1908.50	18.50	33.00	-14.50	1.57 V	56	84.50	-66.00

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	18.60	33.00	-14.40	1.49 H	52	84.90	-66.30
2	1880.00	18.70	33.00	-14.30	1.51 H	55	84.90	-66.20
3	1907.50	18.60	33.00	-14.40	1.53 H	58	84.60	-66.00
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	15.50	33.00	-17.50	3.57 V	152	81.80	-66.30
2	1880.00	15.60	33.00	-17.40	3.56 V	151	81.80	-66.20
3	1907.50	15.70	33.00	-17.30	3.53 V	157	81.70	-66.00

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	15.40	33.00	-17.60	3.55 H	150	81.70	-66.30
2	1880.00	15.50	33.00	-17.50	3.57 H	148	81.70	-66.20
3	1905.00	15.60	33.00	-17.40	3.54 H	159	81.60	-66.00
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	18.40	33.00	-14.60	1.54 V	56	84.70	-66.30
2	1880.00	18.60	33.00	-14.40	1.53 V	53	84.80	-66.20
3	1905.00	18.70	33.00	-14.30	1.50 V	57	84.70	-66.00

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	15.50	33.00	-17.50	3.55 H	149	81.80	-66.30
2	1880.00	15.60	33.00	-17.40	3.54 H	152	81.80	-66.20
3	1902.50	15.70	33.00	-17.30	3.51 H	150	81.80	-66.10
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	18.10	33.00	-14.90	1.55 V	49	84.40	-66.30
2	1880.00	18.30	33.00	-14.70	1.50 V	55	84.50	-66.20
3	1902.50	18.20	33.00	-14.80	1.51 V	54	84.30	-66.10

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	15.60	33.00	-17.40	3.50 H	148	81.90	-66.30
2	1880.00	15.40	33.00	-17.60	3.55 H	153	81.60	-66.20
3	1900.00	15.70	33.00	-17.30	3.49 H	158	81.80	-66.10
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	18.90	33.00	-14.10	1.58 V	56	85.20	-66.30
2	1880.00	19.00	33.00	-14.00	1.57 V	52	85.20	-66.20
3	1900.00	19.10	33.00	-13.90	1.53 V	55	85.20	-66.10

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	14.10	33.00	-18.90	3.52 H	157	80.40	-66.30
2	1880.00	14.20	33.00	-18.80	3.47 H	152	80.40	-66.20
3	1909.30	14.50	33.00	-18.50	3.58 H	157	80.50	-66.00
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	17.50	33.00	-15.50	1.57 V	53	83.80	-66.30
2	1880.00	17.70	33.00	-15.30	1.54 V	55	83.90	-66.20
3	1909.30	17.60	33.00	-15.40	1.58 V	54	83.60	-66.00

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	14.40	33.00	-18.60	3.48 H	145	80.70	-66.30
2	1880.00	14.70	33.00	-18.30	3.52 H	150	80.90	-66.20
3	1908.50	14.50	33.00	-18.50	3.51 H	152	80.50	-66.00
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	17.60	33.00	-15.40	1.53 V	55	83.90	-66.30
2	1880.00	17.70	33.00	-15.30	1.52 V	51	83.90	-66.20
3	1908.50	17.50	33.00	-15.50	1.57 V	56	83.50	-66.00

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	17.60	33.00	-15.40	1.49 H	52	83.90	-66.30
2	1880.00	17.70	33.00	-15.30	1.51 H	55	83.90	-66.20
3	1907.50	17.60	33.00	-15.40	1.53 H	58	83.60	-66.00
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	14.50	33.00	-18.50	3.57 V	152	80.80	-66.30
2	1880.00	14.60	33.00	-18.40	3.56 V	151	80.80	-66.20
3	1907.50	14.70	33.00	-18.30	3.53 V	157	80.70	-66.00

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	14.40	33.00	-18.60	3.55 H	150	80.70	-66.30
2	1880.00	14.50	33.00	-18.50	3.57 H	148	80.70	-66.20
3	1905.00	14.60	33.00	-18.40	3.54 H	159	80.60	-66.00
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	17.40	33.00	-15.60	1.54 V	56	83.70	-66.30
2	1880.00	17.60	33.00	-15.40	1.53 V	53	83.80	-66.20
3	1905.00	17.70	33.00	-15.30	1.50 V	57	83.70	-66.00

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	14.50	33.00	-18.50	3.55 H	149	80.80	-66.30
2	1880.00	14.60	33.00	-18.40	3.54 H	152	80.80	-66.20
3	1902.50	14.70	33.00	-18.30	3.51 H	150	80.80	-66.10
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	17.10	33.00	-15.90	1.55 V	49	83.40	-66.30
2	1880.00	17.30	33.00	-15.70	1.50 V	55	83.50	-66.20
3	1902.50	17.20	33.00	-15.80	1.51 V	54	83.30	-66.10

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	14.60	33.00	-18.40	3.50 H	148	80.90	-66.30
2	1880.00	14.40	33.00	-18.60	3.55 H	153	80.60	-66.20
3	1900.00	14.70	33.00	-18.30	3.49 H	158	80.80	-66.10
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	17.90	33.00	-15.10	1.58 V	56	84.20	-66.30
2	1880.00	18.00	33.00	-15.00	1.57 V	52	84.20	-66.20
3	1900.00	18.10	33.00	-14.90	1.53 V	55	84.20	-66.10

Remarks:

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

LTE Band 66

Modulation Type: QPSK

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.56	30.00	-10.44	1.40 H	48	86.29	-66.73
2	1745.00	19.40	30.00	-10.60	1.43 H	51	86.05	-66.65
3	1779.30	19.49	30.00	-10.51	1.42 H	50	86.04	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	20.86	30.00	-9.14	1.56 V	269	87.59	-66.73
2	1745.00	20.58	30.00	-9.42	1.61 V	272	87.23	-66.65
3	1779.30	20.34	30.00	-9.66	1.59 V	266	86.89	-66.55

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.25	30.00	-10.75	1.40 H	49	85.97	-66.72
2	1745.00	19.57	30.00	-10.43	1.40 H	48	86.22	-66.65
3	1778.50	19.23	30.00	-10.77	1.47 H	47	85.78	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.34	30.00	-9.66	1.58 V	270	87.06	-66.72
2	1745.00	20.82	30.00	-9.18	1.61 V	268	87.47	-66.65
3	1778.50	20.57	30.00	-9.43	1.52 V	272	87.12	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.67	30.00	-10.33	1.45 H	54	86.39	-66.72
2	1745.00	19.63	30.00	-10.37	1.40 H	50	86.28	-66.65
3	1777.50	19.32	30.00	-10.68	1.46 H	52	85.87	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	20.82	30.00	-9.18	1.61 V	271	87.54	-66.72
2	1745.00	20.61	30.00	-9.39	1.61 V	270	87.26	-66.65
3	1777.50	20.44	30.00	-9.56	1.54 V	266	86.99	-66.55

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.04	30.00	-10.96	1.47 H	53	85.76	-66.72
2	1745.00	19.27	30.00	-10.73	1.41 H	54	85.92	-66.65
3	1775.00	19.64	30.00	-10.36	1.47 H	52	86.20	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.56	30.00	-9.44	1.53 V	270	87.28	-66.72
2	1745.00	20.35	30.00	-9.65	1.59 V	271	87.00	-66.65
3	1775.00	20.85	30.00	-9.15	1.57 V	267	87.41	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.27	30.00	-10.73	1.45 H	48	85.98	-66.71
2	1745.00	19.64	30.00	-10.36	1.47 H	47	86.29	-66.65
3	1772.50	19.62	30.00	-10.38	1.43 H	47	86.19	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.71	30.00	-9.29	1.53 V	271	87.42	-66.71
2	1745.00	20.85	30.00	-9.15	1.57 V	272	87.50	-66.65
3	1772.50	20.81	30.00	-9.19	1.60 V	266	87.38	-66.57

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.25	30.00	-10.75	1.40 H	51	85.95	-66.70
2	1745.00	19.23	30.00	-10.77	1.41 H	51	85.88	-66.65
3	1770.00	19.04	30.00	-10.96	1.46 H	58	85.62	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.80	30.00	-9.20	1.55 V	272	87.50	-66.70
2	1745.00	20.69	30.00	-9.31	1.54 V	273	87.34	-66.65
3	1770.00	20.40	30.00	-9.60	1.52 V	266	86.98	-66.58

Remarks:

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

Modulation Type: 16QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.58	30.00	-11.42	1.40 H	50	85.31	-66.73
2	1745.00	18.40	30.00	-11.60	1.48 H	51	85.05	-66.65
3	1779.30	18.47	30.00	-11.53	1.46 H	51	85.02	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.88	30.00	-10.12	1.52 V	270	86.61	-66.73
2	1745.00	19.58	30.00	-10.42	1.57 V	269	86.23	-66.65
3	1779.30	19.34	30.00	-10.66	1.58 V	270	85.89	-66.55

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.24	30.00	-11.76	1.44 H	54	84.96	-66.72
2	1745.00	18.56	30.00	-11.44	1.43 H	51	85.21	-66.65
3	1778.50	18.23	30.00	-11.77	1.42 H	48	84.78	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.33	30.00	-10.67	1.61 V	266	86.05	-66.72
2	1745.00	19.82	30.00	-10.18	1.60 V	273	86.47	-66.65
3	1778.50	19.59	30.00	-10.41	1.60 V	271	86.14	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.69	30.00	-11.31	1.44 H	54	85.41	-66.72
2	1745.00	18.65	30.00	-11.35	1.47 H	51	85.30	-66.65
3	1777.50	18.31	30.00	-11.69	1.42 H	49	84.86	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.84	30.00	-10.16	1.59 V	271	86.56	-66.72
2	1745.00	19.63	30.00	-10.37	1.57 V	269	86.28	-66.65
3	1777.50	19.44	30.00	-10.56	1.56 V	272	85.99	-66.55

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.05	30.00	-11.95	1.43 H	47	84.77	-66.72
2	1745.00	18.28	30.00	-11.72	1.48 H	48	84.93	-66.65
3	1775.00	18.62	30.00	-11.38	1.50 H	48	85.18	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.54	30.00	-10.46	1.60 V	270	86.26	-66.72
2	1745.00	19.34	30.00	-10.66	1.62 V	270	85.99	-66.65
3	1775.00	19.86	30.00	-10.14	1.59 V	271	86.42	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.26	30.00	-11.74	1.46 H	48	84.97	-66.71
2	1745.00	18.62	30.00	-11.38	1.50 H	51	85.27	-66.65
3	1772.50	18.62	30.00	-11.38	1.50 H	48	85.19	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.71	30.00	-10.29	1.56 V	271	86.42	-66.71
2	1745.00	19.88	30.00	-10.12	1.62 V	269	86.53	-66.65
3	1772.50	19.79	30.00	-10.21	1.61 V	272	86.36	-66.57

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.26	30.00	-11.74	1.47 H	52	84.96	-66.70
2	1745.00	18.22	30.00	-11.78	1.46 H	49	84.87	-66.65
3	1770.00	18.06	30.00	-11.94	1.50 H	50	84.64	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.78	30.00	-10.22	1.55 V	270	86.48	-66.70
2	1745.00	19.71	30.00	-10.29	1.57 V	271	86.36	-66.65
3	1770.00	19.41	30.00	-10.59	1.59 V	266	85.99	-66.58

Remarks:

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

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.57	30.00	-12.43	1.41 H	54	84.30	-66.73
2	1745.00	17.42	30.00	-12.58	1.42 H	49	84.07	-66.65
3	1779.30	17.47	30.00	-12.53	1.41 H	49	84.02	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.89	30.00	-11.11	1.61 V	271	85.62	-66.73
2	1745.00	18.56	30.00	-11.44	1.54 V	272	85.21	-66.65
3	1779.30	18.35	30.00	-11.65	1.62 V	269	84.90	-66.55

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.23	30.00	-12.77	1.46 H	54	83.95	-66.72
2	1745.00	17.56	30.00	-12.44	1.45 H	49	84.21	-66.65
3	1778.50	17.22	30.00	-12.78	1.50 H	50	83.77	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.31	30.00	-11.69	1.53 V	268	85.03	-66.72
2	1745.00	18.82	30.00	-11.18	1.61 V	267	85.47	-66.65
3	1778.50	18.59	30.00	-11.41	1.55 V	267	85.14	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.70	30.00	-12.30	1.48 H	52	84.42	-66.72
2	1745.00	17.64	30.00	-12.36	1.43 H	49	84.29	-66.65
3	1777.50	17.33	30.00	-12.67	1.50 H	48	83.88	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.86	30.00	-11.14	1.53 V	269	85.58	-66.72
2	1745.00	18.65	30.00	-11.35	1.61 V	272	85.30	-66.65
3	1777.50	18.42	30.00	-11.58	1.58 V	268	84.97	-66.55

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.05	30.00	-12.95	1.40 H	52	83.77	-66.72
2	1745.00	17.29	30.00	-12.71	1.48 H	47	83.94	-66.65
3	1775.00	17.62	30.00	-12.38	1.44 H	54	84.18	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.55	30.00	-11.45	1.61 V	268	85.27	-66.72
2	1745.00	18.36	30.00	-11.64	1.57 V	267	85.01	-66.65
3	1775.00	18.87	30.00	-11.13	1.55 V	268	85.43	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.24	30.00	-12.76	1.46 H	54	83.95	-66.71
2	1745.00	17.60	30.00	-12.40	1.45 H	53	84.25	-66.65
3	1772.50	17.60	30.00	-12.40	1.42 H	54	84.17	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.69	30.00	-11.31	1.57 V	267	85.40	-66.71
2	1745.00	18.87	30.00	-11.13	1.61 V	272	85.52	-66.65
3	1772.50	18.79	30.00	-11.21	1.52 V	266	85.36	-66.57

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.28	30.00	-12.72	1.46 H	48	83.98	-66.70
2	1745.00	17.21	30.00	-12.79	1.45 H	54	83.86	-66.65
3	1770.00	17.05	30.00	-12.95	1.47 H	50	83.63	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.76	30.00	-11.24	1.59 V	269	85.46	-66.70
2	1745.00	18.70	30.00	-11.30	1.61 V	267	85.35	-66.65
3	1770.00	18.43	30.00	-11.57	1.56 V	273	85.01	-66.58

Remarks:

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

Modulation Type: 256QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.58	30.00	-13.42	1.47 H	52	83.31	-66.73
2	1745.00	16.41	30.00	-13.59	1.42 H	48	83.06	-66.65
3	1779.30	16.45	30.00	-13.55	1.50 H	49	83.00	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.87	30.00	-12.13	1.62 V	267	84.60	-66.73
2	1745.00	17.58	30.00	-12.42	1.61 V	273	84.23	-66.65
3	1779.30	17.34	30.00	-12.66	1.54 V	269	83.89	-66.55

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	16.21	30.00	-13.79	1.40 H	51	82.93	-66.72
2	1745.00	16.57	30.00	-13.43	1.45 H	51	83.22	-66.65
3	1778.50	16.23	30.00	-13.77	1.42 H	48	82.78	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.32	30.00	-12.68	1.56 V	267	84.04	-66.72
2	1745.00	17.84	30.00	-12.16	1.52 V	270	84.49	-66.65
3	1778.50	17.60	30.00	-12.40	1.59 V	268	84.15	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.69	30.00	-13.31	1.43 H	51	83.41	-66.72
2	1745.00	16.64	30.00	-13.36	1.50 H	52	83.29	-66.65
3	1777.50	16.35	30.00	-13.65	1.42 H	54	82.90	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.88	30.00	-12.12	1.58 V	271	84.60	-66.72
2	1745.00	17.64	30.00	-12.36	1.55 V	266	84.29	-66.65
3	1777.50	17.40	30.00	-12.60	1.53 V	270	83.95	-66.55

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.03	30.00	-13.97	1.47 H	48	82.75	-66.72
2	1745.00	16.28	30.00	-13.72	1.45 H	53	82.93	-66.65
3	1775.00	16.60	30.00	-13.40	1.50 H	53	83.16	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.53	30.00	-12.47	1.59 V	271	84.25	-66.72
2	1745.00	17.36	30.00	-12.64	1.58 V	266	84.01	-66.65
3	1775.00	17.86	30.00	-12.14	1.57 V	272	84.42	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.24	30.00	-13.76	1.41 H	50	82.95	-66.71
2	1745.00	16.62	30.00	-13.38	1.50 H	54	83.27	-66.65
3	1772.50	16.61	30.00	-13.39	1.48 H	49	83.18	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.70	30.00	-12.30	1.54 V	266	84.41	-66.71
2	1745.00	17.86	30.00	-12.14	1.60 V	272	84.51	-66.65
3	1772.50	17.77	30.00	-12.23	1.62 V	272	84.34	-66.57

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.28	30.00	-13.72	1.49 H	49	82.98	-66.70
2	1745.00	16.19	30.00	-13.81	1.41 H	52	82.84	-66.65
3	1770.00	16.06	30.00	-13.94	1.42 H	49	82.64	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.78	30.00	-12.22	1.54 V	267	84.48	-66.70
2	1745.00	17.71	30.00	-12.29	1.60 V	272	84.36	-66.65
3	1770.00	17.41	30.00	-12.59	1.55 V	267	83.99	-66.58

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

External Antenna

Modulation Type: $\pi/2$ BPSK

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	15.46	33.00	-17.54	1.51 H	329	78.78	-63.32
2	2592.99	15.03	33.00	-17.97	1.52 H	328	78.15	-63.12
3	2679.99	15.57	33.00	-17.43	1.59 H	327	78.25	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	17.24	33.00	-15.76	1.62 V	276	80.56	-63.32
2	2592.99	18.02	33.00	-14.98	1.58 V	275	81.14	-63.12
3	2679.99	17.46	33.00	-15.54	1.62 V	278	80.14	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	15.68	33.00	-17.32	1.52 H	329	78.98	-63.30
2	2592.99	15.79	33.00	-17.21	1.59 H	327	78.91	-63.12
3	2674.98	15.04	33.00	-17.96	1.58 H	325	77.75	-62.71
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	2511.00	17.47	33.00	-15.53	1.61 V	278	80.77	-63.30
2	2592.99	17.68	33.00	-15.32	1.59 V	273	80.80	-63.12
3	2674.98	17.79	33.00	-15.21	1.56 V	279	80.50	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	15.15	33.00	-17.85	1.60 H	327	78.45	-63.30
2	2592.99	15.25	33.00	-17.75	1.53 H	326	78.37	-63.12
3	2670.00	15.58	33.00	-17.42	1.53 H	330	78.32	-62.74
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	2516.01	17.80	33.00	-15.20	1.65 V	277	81.10	-63.30
2	2592.99	17.69	33.00	-15.31	1.55 V	277	80.81	-63.12
3	2670.00	17.78	33.00	-15.22	1.59 V	272	80.52	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	15.57	33.00	-17.43	1.51 H	330	78.85	-63.28
2	2592.99	15.69	33.00	-17.31	1.55 H	330	78.81	-63.12
3	2664.99	15.26	33.00	-17.74	1.52 H	328	78.02	-62.76
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	2521.02	17.57	33.00	-15.43	1.63 V	274	80.85	-63.28
2	2592.99	17.47	33.00	-15.53	1.63 V	275	80.59	-63.12
3	2664.99	17.39	33.00	-15.61	1.63 V	272	80.15	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	15.80	33.00	-17.20	1.60 H	332	79.07	-63.27
2	2592.99	15.46	33.00	-17.54	1.58 H	326	78.58	-63.12
3	2659.98	15.14	33.00	-17.86	1.57 H	331	77.93	-62.79
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	2526.00	17.36	33.00	-15.64	1.64 V	272	80.63	-63.27
2	2592.99	17.59	33.00	-15.41	1.58 V	277	80.71	-63.12
3	2659.98	17.16	33.00	-15.84	1.63 V	272	79.95	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	15.60	33.00	-17.40	1.61 H	327	78.85	-63.25
2	2592.99	15.47	33.00	-17.53	1.52 H	325	78.59	-63.12
3	2649.99	15.03	33.00	-17.97	1.58 H	327	77.87	-62.84
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	2536.02	17.70	33.00	-15.30	1.61 V	279	80.95	-63.25
2	2592.99	17.15	33.00	-15.85	1.58 V	278	80.27	-63.12
3	2649.99	17.55	33.00	-15.45	1.58 V	279	80.39	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	15.58	33.00	-17.42	1.63 H	328	78.82	-63.24
2	2592.99	15.48	33.00	-17.52	1.53 H	324	78.60	-63.12
3	2644.98	14.93	33.00	-18.07	1.57 H	331	77.80	-62.87
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	2541.00	17.71	33.00	-15.29	1.62 V	277	80.95	-63.24
2	2592.99	17.36	33.00	-15.64	1.53 V	278	80.48	-63.12
3	2644.98	17.48	33.00	-15.52	1.60 V	283	80.35	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	15.70	33.00	-17.30	1.64 H	328	78.92	-63.22
2	2592.99	15.36	33.00	-17.64	1.58 H	321	78.48	-63.12
3	2640.00	14.83	33.00	-18.17	1.55 H	328	77.72	-62.89
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	2546.01	17.81	33.00	-15.19	1.68 V	277	81.03	-63.22
2	2592.99	17.04	33.00	-15.96	1.57 V	273	80.16	-63.12
3	2640.00	17.48	33.00	-15.52	1.59 V	278	80.37	-62.89

Remarks:

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

Modulation Type: QPSK

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	15.65	33.00	-17.35	1.51 H	329	78.97	-63.32
2	2592.99	15.34	33.00	-17.66	1.52 H	328	78.46	-63.12
3	2679.99	15.74	33.00	-17.26	1.59 H	327	78.42	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	17.40	33.00	-15.60	1.62 V	276	80.72	-63.32
2	2592.99	18.15	33.00	-14.85	1.58 V	275	81.27	-63.12
3	2679.99	17.61	33.00	-15.39	1.62 V	278	80.29	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	15.82	33.00	-17.18	1.52 H	329	79.12	-63.30
2	2592.99	15.85	33.00	-17.15	1.59 H	327	78.97	-63.12
3	2674.98	15.37	33.00	-17.63	1.58 H	325	78.08	-62.71
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	2511.00	17.66	33.00	-15.34	1.61 V	278	80.96	-63.30
2	2592.99	17.83	33.00	-15.17	1.59 V	273	80.95	-63.12
3	2674.98	17.94	33.00	-15.06	1.56 V	279	80.65	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	15.49	33.00	-17.51	1.60 H	327	78.79	-63.30
2	2592.99	15.48	33.00	-17.52	1.53 H	326	78.60	-63.12
3	2670.00	15.77	33.00	-17.23	1.53 H	330	78.51	-62.74
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	2516.01	17.96	33.00	-15.04	1.65 V	277	81.26	-63.30
2	2592.99	17.86	33.00	-15.14	1.55 V	277	80.98	-63.12
3	2670.00	17.84	33.00	-15.16	1.59 V	272	80.58	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	15.85	33.00	-17.15	1.51 H	330	79.13	-63.28
2	2592.99	15.91	33.00	-17.09	1.55 H	330	79.03	-63.12
3	2664.99	15.55	33.00	-17.45	1.52 H	328	78.31	-62.76
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	2521.02	17.74	33.00	-15.26	1.63 V	274	81.02	-63.28
2	2592.99	17.73	33.00	-15.27	1.63 V	275	80.85	-63.12
3	2664.99	17.85	33.00	-15.15	1.63 V	272	80.61	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	15.96	33.00	-17.04	1.60 H	332	79.23	-63.27
2	2592.99	15.61	33.00	-17.39	1.58 H	326	78.73	-63.12
3	2659.98	15.38	33.00	-17.62	1.57 H	331	78.17	-62.79
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	2526.00	17.63	33.00	-15.37	1.64 V	272	80.90	-63.27
2	2592.99	17.86	33.00	-15.14	1.58 V	277	80.98	-63.12
3	2659.98	17.57	33.00	-15.43	1.63 V	272	80.36	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	15.99	33.00	-17.01	1.61 H	327	79.24	-63.25
2	2592.99	15.71	33.00	-17.29	1.52 H	325	78.83	-63.12
3	2649.99	15.30	33.00	-17.70	1.58 H	327	78.14	-62.84
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	2536.02	18.02	33.00	-14.98	1.61 V	279	81.27	-63.25
2	2592.99	17.49	33.00	-15.51	1.58 V	278	80.61	-63.12
3	2649.99	17.75	33.00	-15.25	1.58 V	279	80.59	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	15.88	33.00	-17.12	1.63 H	328	79.12	-63.24
2	2592.99	15.79	33.00	-17.21	1.53 H	324	78.91	-63.12
3	2644.98	15.28	33.00	-17.72	1.57 H	331	78.15	-62.87
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	2541.00	18.06	33.00	-14.94	1.62 V	277	81.30	-63.24
2	2592.99	17.56	33.00	-15.44	1.53 V	278	80.68	-63.12
3	2644.98	17.82	33.00	-15.18	1.60 V	283	80.69	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	15.96	33.00	-17.04	1.64 H	328	79.18	-63.22
2	2592.99	15.63	33.00	-17.37	1.58 H	321	78.75	-63.12
3	2640.00	15.29	33.00	-17.71	1.55 H	328	78.18	-62.89
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	2546.01	18.14	33.00	-14.86	1.68 V	277	81.36	-63.22
2	2592.99	17.43	33.00	-15.57	1.57 V	273	80.55	-63.12
3	2640.00	17.83	33.00	-15.17	1.59 V	278	80.72	-62.89

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

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	14.63	33.00	-18.37	1.57 H	326	77.95	-63.32
2	2592.99	14.36	33.00	-18.64	1.53 H	325	77.48	-63.12
3	2679.99	14.72	33.00	-18.28	1.52 H	329	77.40	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	16.40	33.00	-16.60	1.63 V	272	79.72	-63.32
2	2592.99	17.15	33.00	-15.85	1.65 V	275	80.27	-63.12
3	2679.99	16.63	33.00	-16.37	1.55 V	275	79.31	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	14.80	33.00	-18.20	1.53 H	332	78.10	-63.30
2	2592.99	14.85	33.00	-18.15	1.60 H	332	77.97	-63.12
3	2674.98	14.39	33.00	-18.61	1.57 H	326	77.10	-62.71
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	2511.00	16.65	33.00	-16.35	1.56 V	278	79.95	-63.30
2	2592.99	16.83	33.00	-16.17	1.60 V	277	79.95	-63.12
3	2674.98	16.94	33.00	-16.06	1.64 V	276	79.65	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	14.47	33.00	-18.53	1.57 H	328	77.77	-63.30
2	2592.99	14.46	33.00	-18.54	1.53 H	328	77.58	-63.12
3	2670.00	14.78	33.00	-18.22	1.52 H	331	77.52	-62.74
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	2516.01	16.98	33.00	-16.02	1.60 V	272	80.28	-63.30
2	2592.99	16.84	33.00	-16.16	1.59 V	276	79.96	-63.12
3	2670.00	16.84	33.00	-16.16	1.60 V	277	79.58	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	14.85	33.00	-18.15	1.57 H	325	78.13	-63.28
2	2592.99	14.91	33.00	-18.09	1.61 H	328	78.03	-63.12
3	2664.99	14.55	33.00	-18.45	1.59 H	332	77.31	-62.76
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	2521.02	16.73	33.00	-16.27	1.56 V	279	80.01	-63.28
2	2592.99	16.72	33.00	-16.28	1.63 V	274	79.84	-63.12
3	2664.99	16.87	33.00	-16.13	1.61 V	276	79.63	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	14.94	33.00	-18.06	1.51 H	331	78.21	-63.27
2	2592.99	14.61	33.00	-18.39	1.61 H	330	77.73	-63.12
3	2659.98	14.36	33.00	-18.64	1.60 H	331	77.15	-62.79
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	2526.00	16.65	33.00	-16.35	1.62 V	276	79.92	-63.27
2	2592.99	16.88	33.00	-16.12	1.60 V	275	80.00	-63.12
3	2659.98	16.56	33.00	-16.44	1.58 V	277	79.35	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	14.97	33.00	-18.03	1.52 H	331	78.22	-63.25
2	2592.99	14.70	33.00	-18.30	1.55 H	329	77.82	-63.12
3	2649.99	14.29	33.00	-18.71	1.52 H	327	77.13	-62.84
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	2536.02	17.02	33.00	-15.98	1.59 V	279	80.27	-63.25
2	2592.99	16.51	33.00	-16.49	1.61 V	273	79.63	-63.12
3	2649.99	16.74	33.00	-16.26	1.64 V	275	79.58	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	14.99	33.00	-18.01	1.53 H	329	78.23	-63.24
2	2592.99	14.82	33.00	-18.18	1.61 H	324	77.94	-63.12
3	2644.98	14.38	33.00	-18.62	1.53 H	327	77.25	-62.87
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	2541.00	17.12	33.00	-15.88	1.55 V	283	80.36	-63.24
2	2592.99	16.57	33.00	-16.43	1.62 V	277	79.69	-63.12
3	2644.98	16.76	33.00	-16.24	1.62 V	276	79.63	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	14.93	33.00	-18.07	1.56 H	328	78.15	-63.22
2	2592.99	14.66	33.00	-18.34	1.58 H	323	77.78	-63.12
3	2640.00	14.37	33.00	-18.63	1.50 H	322	77.26	-62.89
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	2546.01	17.11	33.00	-15.89	1.58 V	288	80.33	-63.22
2	2592.99	16.58	33.00	-16.42	1.58 V	274	79.70	-63.12
3	2640.00	16.80	33.00	-16.20	1.66 V	281	79.69	-62.89

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

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	13.64	33.00	-19.36	1.52 H	325	76.96	-63.32
2	2592.99	13.36	33.00	-19.64	1.51 H	326	76.48	-63.12
3	2679.99	13.71	33.00	-19.29	1.56 H	331	76.39	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	15.41	33.00	-17.59	1.59 V	278	78.73	-63.32
2	2592.99	16.14	33.00	-16.86	1.56 V	276	79.26	-63.12
3	2679.99	15.65	33.00	-17.35	1.55 V	278	78.33	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	13.78	33.00	-19.22	1.60 H	330	77.08	-63.30
2	2592.99	13.83	33.00	-19.17	1.56 H	328	76.95	-63.12
3	2674.98	13.40	33.00	-19.60	1.59 H	325	76.11	-62.71
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	2511.00	15.66	33.00	-17.34	1.58 V	276	78.96	-63.30
2	2592.99	15.81	33.00	-17.19	1.61 V	273	78.93	-63.12
3	2674.98	15.95	33.00	-17.05	1.56 V	276	78.66	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	13.45	33.00	-19.55	1.52 H	330	76.75	-63.30
2	2592.99	13.45	33.00	-19.55	1.56 H	331	76.57	-63.12
3	2670.00	13.76	33.00	-19.24	1.51 H	327	76.50	-62.74
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	2516.01	15.97	33.00	-17.03	1.55 V	278	79.27	-63.30
2	2592.99	15.86	33.00	-17.14	1.64 V	276	78.98	-63.12
3	2670.00	15.85	33.00	-17.15	1.59 V	279	78.59	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	13.84	33.00	-19.16	1.56 H	326	77.12	-63.28
2	2592.99	13.90	33.00	-19.10	1.55 H	328	77.02	-63.12
3	2664.99	13.56	33.00	-19.44	1.55 H	328	76.32	-62.76
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	2521.02	15.75	33.00	-17.25	1.64 V	274	79.03	-63.28
2	2592.99	15.70	33.00	-17.30	1.55 V	273	78.82	-63.12
3	2664.99	15.88	33.00	-17.12	1.60 V	274	78.64	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	14.24	33.00	-18.76	1.51 H	331	77.51	-63.27
2	2592.99	13.81	33.00	-19.19	1.61 H	330	76.93	-63.12
3	2659.98	13.55	33.00	-19.45	1.60 H	331	76.34	-62.79
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	2526.00	15.65	33.00	-17.35	1.62 V	276	78.92	-63.27
2	2592.99	15.88	33.00	-17.12	1.60 V	275	79.00	-63.12
3	2659.98	15.56	33.00	-17.44	1.58 V	277	78.35	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	13.98	33.00	-19.02	1.58 H	330	77.23	-63.25
2	2592.99	13.69	33.00	-19.31	1.54 H	329	76.81	-63.12
3	2649.99	13.27	33.00	-19.73	1.56 H	330	76.11	-62.84
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	2536.02	16.04	33.00	-16.96	1.57 V	276	79.29	-63.25
2	2592.99	15.50	33.00	-17.50	1.62 V	276	78.62	-63.12
3	2649.99	15.75	33.00	-17.25	1.55 V	272	78.59	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	13.99	33.00	-19.01	1.52 H	327	77.23	-63.24
2	2592.99	13.63	33.00	-19.37	1.55 H	326	76.75	-63.12
3	2644.98	13.38	33.00	-19.62	1.51 H	321	76.25	-62.87
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	2541.00	16.15	33.00	-16.85	1.59 V	274	79.39	-63.24
2	2592.99	15.58	33.00	-17.42	1.63 V	277	78.70	-63.12
3	2644.98	15.76	33.00	-17.24	1.58 V	280	78.63	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	13.99	33.00	-19.01	1.52 H	327	77.21	-63.22
2	2592.99	13.72	33.00	-19.28	1.59 H	324	76.84	-63.12
3	2640.00	13.34	33.00	-19.66	1.63 H	337	76.23	-62.89
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	2546.01	16.08	33.00	-16.92	1.52 V	286	79.30	-63.22
2	2592.99	15.92	33.00	-17.08	1.66 V	279	79.04	-63.12
3	2640.00	15.81	33.00	-17.19	1.53 V	284	78.70	-62.89

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

n41, Channel Bandwidth 20MHz

Mode	TX channel 501204, 518598, 535998							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	12.64	33.00	-20.36	1.55 H	326	75.96	-63.32
2	2592.99	12.34	33.00	-20.66	1.60 H	330	75.46	-63.12
3	2679.99	12.73	33.00	-20.27	1.53 H	326	75.41	-62.68
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2506.02	14.40	33.00	-18.60	1.60 V	279	77.72	-63.32
2	2592.99	15.12	33.00	-17.88	1.62 V	279	78.24	-63.12
3	2679.99	14.65	33.00	-18.35	1.61 V	276	77.33	-62.68

n41, Channel Bandwidth 30MHz

Mode	TX channel 502200, 518598, 534996							
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	2511.00	12.80	33.00	-20.20	1.56 H	329	76.10	-63.30
2	2592.99	12.82	33.00	-20.18	1.60 H	328	75.94	-63.12
3	2674.98	12.42	33.00	-20.58	1.56 H	326	75.13	-62.71
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	2511.00	14.66	33.00	-18.34	1.55 V	279	77.96	-63.30
2	2592.99	14.83	33.00	-18.17	1.58 V	276	77.95	-63.12
3	2674.98	14.96	33.00	-18.04	1.57 V	273	77.67	-62.71

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

n41, Channel Bandwidth 40MHz

Mode	TX channel 503202, 518598, 534000							
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	2516.01	12.45	33.00	-20.55	1.60 H	331	75.75	-63.30
2	2592.99	12.47	33.00	-20.53	1.57 H	328	75.59	-63.12
3	2670.00	12.77	33.00	-20.23	1.59 H	331	75.51	-62.74
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	2516.01	14.95	33.00	-18.05	1.61 V	276	78.25	-63.30
2	2592.99	14.86	33.00	-18.14	1.55 V	274	77.98	-63.12
3	2670.00	14.84	33.00	-18.16	1.55 V	278	77.58	-62.74

n41, Channel Bandwidth 50MHz

Mode	TX channel 504204, 518598, 532998							
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	2521.02	12.86	33.00	-20.14	1.60 H	332	76.14	-63.28
2	2592.99	12.90	33.00	-20.10	1.60 H	332	76.02	-63.12
3	2664.99	12.56	33.00	-20.44	1.56 H	332	75.32	-62.76
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	2521.02	14.73	33.00	-18.27	1.63 V	277	78.01	-63.28
2	2592.99	14.72	33.00	-18.28	1.64 V	272	77.84	-63.12
3	2664.99	14.87	33.00	-18.13	1.55 V	274	77.63	-62.76

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

n41, Channel Bandwidth 60MHz

Mode	TX channel 505200, 518598, 531996							
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	2526.00	12.94	33.00	-20.06	1.53 H	326	76.21	-63.27
2	2592.99	12.63	33.00	-20.37	1.51 H	331	75.75	-63.12
3	2659.98	12.34	33.00	-20.66	1.60 H	330	75.13	-62.79
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	2526.00	14.64	33.00	-18.36	1.57 V	278	77.91	-63.27
2	2592.99	14.87	33.00	-18.13	1.64 V	273	77.99	-63.12
3	2659.98	14.57	33.00	-18.43	1.59 V	279	77.36	-62.79

n41, Channel Bandwidth 80MHz

Mode	TX channel 507204, 518598, 529998							
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	2536.02	12.97	33.00	-20.03	1.52 H	331	76.22	-63.25
2	2592.99	12.69	33.00	-20.31	1.59 H	332	75.81	-63.12
3	2649.99	12.25	33.00	-20.75	1.54 H	330	75.09	-62.84
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	2536.02	15.02	33.00	-17.98	1.56 V	277	78.27	-63.25
2	2592.99	14.52	33.00	-18.48	1.59 V	277	77.64	-63.12
3	2649.99	14.74	33.00	-18.26	1.62 V	278	77.58	-62.84

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

n41, Channel Bandwidth 90MHz

Mode	TX channel 508200, 518598, 528996							
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	2541.00	12.69	33.00	-20.31	1.53 H	321	75.93	-63.24
2	2592.99	12.73	33.00	-20.27	1.55 H	327	75.85	-63.12
3	2644.98	12.97	33.00	-20.03	1.58 H	322	75.84	-62.87
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	2541.00	14.48	33.00	-18.52	1.60 V	224	77.72	-63.24
2	2592.99	14.89	33.00	-18.11	1.63 V	228	78.01	-63.12
3	2644.98	14.87	33.00	-18.13	1.61 V	214	77.74	-62.87

n41, Channel Bandwidth 100MHz

Mode	TX channel 509202, 518598, 528000							
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	2546.01	12.76	33.00	-20.24	1.56 H	327	75.98	-63.22
2	2592.99	12.56	33.00	-20.44	1.51 H	328	75.68	-63.12
3	2640.00	12.48	33.00	-20.52	1.50 H	318	75.37	-62.89
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	2546.01	14.88	33.00	-18.12	1.66 V	271	78.10	-63.22
2	2592.99	14.57	33.00	-18.43	1.62 V	270	77.69	-63.12
3	2640.00	14.88	33.00	-18.12	1.52 V	280	77.77	-62.89

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

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	11.27	33.00	-21.73	3.86 H	20	77.10	-65.83
2	1880.00	11.45	33.00	-21.55	3.82 H	20	77.06	-65.61
3	1909.30	11.54	33.00	-21.46	3.80 H	18	76.92	-65.38
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	18.22	33.00	-14.78	1.13 V	318	84.05	-65.83
2	1880.00	17.68	33.00	-15.32	1.14 V	320	83.29	-65.61
3	1909.30	18.12	33.00	-14.88	1.17 V	321	83.50	-65.38

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	11.22	33.00	-21.78	3.87 H	20	77.05	-65.83
2	1880.00	11.48	33.00	-21.52	3.86 H	23	77.09	-65.61
3	1908.50	11.45	33.00	-21.55	3.89 H	20	76.83	-65.38
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	17.92	33.00	-15.08	1.15 V	321	83.75	-65.83
2	1880.00	17.87	33.00	-15.13	1.16 V	321	83.48	-65.61
3	1908.50	18.05	33.00	-14.95	1.17 V	318	83.43	-65.38

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	11.44	33.00	-21.56	3.84 H	24	77.26	-65.82
2	1880.00	11.20	33.00	-21.80	3.87 H	21	76.81	-65.61
3	1907.50	11.03	33.00	-21.97	3.82 H	23	76.42	-65.39
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	18.20	33.00	-14.80	1.11 V	322	84.02	-65.82
2	1880.00	18.00	33.00	-15.00	1.07 V	318	83.61	-65.61
3	1907.50	17.89	33.00	-15.11	1.15 V	317	83.28	-65.39

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	11.34	33.00	-21.66	3.83 H	24	77.14	-65.80
2	1880.00	10.96	33.00	-22.04	3.85 H	18	76.57	-65.61
3	1905.00	11.34	33.00	-21.66	3.84 H	22	76.75	-65.41
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	17.64	33.00	-15.36	1.17 V	317	83.44	-65.80
2	1880.00	18.19	33.00	-14.81	1.10 V	321	83.80	-65.61
3	1905.00	17.67	33.00	-15.33	1.08 V	319	83.08	-65.41

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	11.28	33.00	-21.72	3.83 H	21	77.07	-65.79
2	1880.00	11.08	33.00	-21.92	3.83 H	23	76.69	-65.61
3	1902.50	11.22	33.00	-21.78	3.88 H	21	76.65	-65.43
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	17.63	33.00	-15.37	1.10 V	318	83.42	-65.79
2	1880.00	17.81	33.00	-15.19	1.17 V	318	83.42	-65.61
3	1902.50	18.17	33.00	-14.83	1.13 V	321	83.60	-65.43

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	11.16	33.00	-21.84	3.84 H	25	76.92	-65.76
2	1880.00	11.32	33.00	-21.68	3.81 H	22	76.93	-65.61
3	1900.00	11.32	33.00	-21.68	3.81 H	25	76.77	-65.45
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	17.86	33.00	-15.14	1.08 V	322	83.62	-65.76
2	1880.00	18.06	33.00	-14.94	1.08 V	320	83.67	-65.61
3	1900.00	17.65	33.00	-15.35	1.10 V	319	83.10	-65.45

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	10.29	33.00	-22.71	3.90 H	19	76.12	-65.83
2	1880.00	10.47	33.00	-22.53	3.89 H	21	76.08	-65.61
3	1909.30	10.52	33.00	-22.48	3.82 H	20	75.90	-65.38
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	17.19	33.00	-15.81	1.07 V	316	83.02	-65.83
2	1880.00	16.68	33.00	-16.32	1.16 V	322	82.29	-65.61
3	1909.30	17.14	33.00	-15.86	1.08 V	315	82.52	-65.38

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	10.20	33.00	-22.80	3.80 H	25	76.03	-65.83
2	1880.00	10.46	33.00	-22.54	3.80 H	18	76.07	-65.61
3	1908.50	10.45	33.00	-22.55	3.81 H	20	75.83	-65.38
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	16.91	33.00	-16.09	1.08 V	320	82.74	-65.83
2	1880.00	16.85	33.00	-16.15	1.15 V	316	82.46	-65.61
3	1908.50	17.06	33.00	-15.94	1.07 V	315	82.44	-65.38

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	10.42	33.00	-22.58	3.88 H	25	76.24	-65.82
2	1880.00	10.22	33.00	-22.78	3.84 H	22	75.83	-65.61
3	1907.50	10.03	33.00	-22.97	3.85 H	18	75.42	-65.39
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	17.22	33.00	-15.78	1.09 V	321	83.04	-65.82
2	1880.00	16.98	33.00	-16.02	1.10 V	316	82.59	-65.61
3	1907.50	16.88	33.00	-16.12	1.16 V	320	82.27	-65.39

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	10.32	33.00	-22.68	3.81 H	19	76.12	-65.80
2	1880.00	9.94	33.00	-23.06	3.80 H	19	75.55	-65.61
3	1905.00	10.32	33.00	-22.68	3.85 H	24	75.73	-65.41
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	16.65	33.00	-16.35	1.17 V	320	82.45	-65.80
2	1880.00	17.19	33.00	-15.81	1.17 V	320	82.80	-65.61
3	1905.00	16.69	33.00	-16.31	1.07 V	318	82.10	-65.41

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	10.26	33.00	-22.74	3.86 H	23	76.05	-65.79
2	1880.00	10.07	33.00	-22.93	3.85 H	25	75.68	-65.61
3	1902.50	10.23	33.00	-22.77	3.82 H	19	75.66	-65.43
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	16.65	33.00	-16.35	1.11 V	315	82.44	-65.79
2	1880.00	16.80	33.00	-16.20	1.14 V	319	82.41	-65.61
3	1902.50	17.18	33.00	-15.82	1.16 V	322	82.61	-65.43

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	10.18	33.00	-22.82	3.89 H	24	75.94	-65.76
2	1880.00	10.32	33.00	-22.68	3.86 H	25	75.93	-65.61
3	1900.00	10.34	33.00	-22.66	3.84 H	19	75.79	-65.45
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	16.87	33.00	-16.13	1.07 V	320	82.63	-65.76
2	1880.00	17.08	33.00	-15.92	1.15 V	322	82.69	-65.61
3	1900.00	16.65	33.00	-16.35	1.10 V	320	82.10	-65.45

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	9.29	33.00	-23.71	3.86 H	18	75.12	-65.83
2	1880.00	9.46	33.00	-23.54	3.83 H	19	75.07	-65.61
3	1909.30	9.51	33.00	-23.49	3.83 H	25	74.89	-65.38
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	16.18	33.00	-16.82	1.13 V	319	82.01	-65.83
2	1880.00	15.70	33.00	-17.30	1.09 V	316	81.31	-65.61
3	1909.30	16.15	33.00	-16.85	1.14 V	317	81.53	-65.38

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	9.21	33.00	-23.79	3.88 H	21	75.04	-65.83
2	1880.00	9.45	33.00	-23.55	3.87 H	25	75.06	-65.61
3	1908.50	9.48	33.00	-23.52	3.85 H	23	74.86	-65.38
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	15.93	33.00	-17.07	1.13 V	317	81.76	-65.83
2	1880.00	15.87	33.00	-17.13	1.14 V	319	81.48	-65.61
3	1908.50	16.07	33.00	-16.93	1.12 V	322	81.45	-65.38

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	9.44	33.00	-23.56	3.83 H	22	75.26	-65.82
2	1880.00	9.21	33.00	-23.79	3.80 H	23	74.82	-65.61
3	1907.50	9.01	33.00	-23.99	3.90 H	22	74.40	-65.39
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	16.20	33.00	-16.80	1.12 V	319	82.02	-65.82
2	1880.00	15.98	33.00	-17.02	1.16 V	321	81.59	-65.61
3	1907.50	15.87	33.00	-17.13	1.12 V	320	81.26	-65.39

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	9.30	33.00	-23.70	3.89 H	18	75.10	-65.80
2	1880.00	8.96	33.00	-24.04	3.83 H	21	74.57	-65.61
3	1905.00	9.34	33.00	-23.66	3.81 H	23	74.75	-65.41
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	15.63	33.00	-17.37	1.12 V	320	81.43	-65.80
2	1880.00	16.18	33.00	-16.82	1.09 V	315	81.79	-65.61
3	1905.00	15.67	33.00	-17.33	1.08 V	316	81.08	-65.41

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	9.25	33.00	-23.75	3.90 H	18	75.04	-65.79
2	1880.00	9.09	33.00	-23.91	3.83 H	19	74.70	-65.61
3	1902.50	9.25	33.00	-23.75	3.84 H	22	74.68	-65.43
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	15.67	33.00	-17.33	1.11 V	322	81.46	-65.79
2	1880.00	15.81	33.00	-17.19	1.14 V	318	81.42	-65.61
3	1902.50	16.18	33.00	-16.82	1.17 V	316	81.61	-65.43

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	9.18	33.00	-23.82	3.86 H	21	74.94	-65.76
2	1880.00	9.33	33.00	-23.67	3.85 H	19	74.94	-65.61
3	1900.00	9.35	33.00	-23.65	3.88 H	18	74.80	-65.45
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	15.89	33.00	-17.11	1.15 V	320	81.65	-65.76
2	1880.00	16.07	33.00	-16.93	1.08 V	315	81.68	-65.61
3	1900.00	15.66	33.00	-17.34	1.11 V	322	81.11	-65.45

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	8.31	33.00	-24.69	3.81 H	19	74.14	-65.83
2	1880.00	8.45	33.00	-24.55	3.89 H	22	74.06	-65.61
3	1909.30	8.53	33.00	-24.47	3.89 H	23	73.91	-65.38
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	15.20	33.00	-17.80	1.15 V	321	81.03	-65.83
2	1880.00	14.72	33.00	-18.28	1.09 V	316	80.33	-65.61
3	1909.30	15.16	33.00	-17.84	1.09 V	322	80.54	-65.38

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	8.22	33.00	-24.78	3.88 H	18	74.05	-65.83
2	1880.00	8.47	33.00	-24.53	3.86 H	20	74.08	-65.61
3	1908.50	8.45	33.00	-24.55	3.90 H	21	73.83	-65.38
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	14.94	33.00	-18.06	1.11 V	321	80.77	-65.83
2	1880.00	14.86	33.00	-18.14	1.17 V	315	80.47	-65.61
3	1908.50	15.06	33.00	-17.94	1.07 V	322	80.44	-65.38

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	8.46	33.00	-24.54	3.88 H	25	74.28	-65.82
2	1880.00	8.20	33.00	-24.80	3.84 H	18	73.81	-65.61
3	1907.50	7.99	33.00	-25.01	3.87 H	24	73.38	-65.39
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	15.20	33.00	-17.80	1.17 V	322	81.02	-65.82
2	1880.00	15.00	33.00	-18.00	1.07 V	315	80.61	-65.61
3	1907.50	14.88	33.00	-18.12	1.11 V	315	80.27	-65.39

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	8.30	33.00	-24.70	3.86 H	19	74.10	-65.80
2	1880.00	7.95	33.00	-25.05	3.83 H	20	73.56	-65.61
3	1905.00	8.35	33.00	-24.65	3.84 H	22	73.76	-65.41
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	14.63	33.00	-18.37	1.10 V	319	80.43	-65.80
2	1880.00	15.18	33.00	-17.82	1.16 V	322	80.79	-65.61
3	1905.00	14.65	33.00	-18.35	1.12 V	316	80.06	-65.41

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	8.27	33.00	-24.73	3.84 H	19	74.06	-65.79
2	1880.00	8.11	33.00	-24.89	3.89 H	22	73.72	-65.61
3	1902.50	8.26	33.00	-24.74	3.81 H	22	73.69	-65.43
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	14.68	33.00	-18.32	1.15 V	318	80.47	-65.79
2	1880.00	14.80	33.00	-18.20	1.09 V	319	80.41	-65.61
3	1902.50	15.18	33.00	-17.82	1.13 V	320	80.61	-65.43

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	8.20	33.00	-24.80	3.80 H	20	73.96	-65.76
2	1880.00	8.34	33.00	-24.66	3.90 H	21	73.95	-65.61
3	1900.00	8.36	33.00	-24.64	3.85 H	21	73.81	-65.45
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	14.90	33.00	-18.10	1.12 V	316	80.66	-65.76
2	1880.00	15.08	33.00	-17.92	1.10 V	315	80.69	-65.61
3	1900.00	14.66	33.00	-18.34	1.10 V	319	80.11	-65.45

Remarks:

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

LTE Band 66

Modulation Type: QPSK

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.60	30.00	-13.40	2.99 H	55	83.10	-66.50
2	1745.00	16.80	30.00	-13.20	2.91 H	62	83.20	-66.40
3	1779.30	16.60	30.00	-13.40	2.85 H	69	82.90	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.00	30.00	-11.00	2.20 V	119	85.50	-66.50
2	1745.00	19.50	30.00	-10.50	2.00 V	116	85.90	-66.40
3	1779.30	19.20	30.00	-10.80	1.90 V	119	85.50	-66.30

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	15.90	30.00	-14.10	3.03 H	44	82.40	-66.50
2	1745.00	16.60	30.00	-13.40	3.05 H	59	83.00	-66.40
3	1778.50	16.40	30.00	-13.60	3.01 H	62	82.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.90	30.00	-11.10	1.95 V	95	85.40	-66.50
2	1745.00	19.40	30.00	-10.60	1.94 V	105	85.80	-66.40
3	1778.50	19.30	30.00	-10.70	1.85 V	113	85.60	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.40	30.00	-13.60	3.29 H	34	82.90	-66.50
2	1745.00	16.70	30.00	-13.30	3.19 H	46	83.10	-66.40
3	1777.50	16.20	30.00	-13.80	3.17 H	66	82.50	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.80	30.00	-11.20	1.89 V	92	85.30	-66.50
2	1745.00	19.40	30.00	-10.60	1.87 V	100	85.80	-66.40
3	1777.50	19.30	30.00	-10.70	1.85 V	112	85.60	-66.30

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.50	30.00	-13.50	3.43 H	35	83.00	-66.50
2	1745.00	16.70	30.00	-13.30	3.36 H	40	83.10	-66.40
3	1775.00	16.30	30.00	-13.70	3.42 H	49	82.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.50	30.00	-11.50	1.81 V	120	85.00	-66.50
2	1745.00	19.10	30.00	-10.90	1.89 V	125	85.50	-66.40
3	1775.00	19.20	30.00	-10.80	1.86 V	121	85.50	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.10	30.00	-13.90	3.49 H	28	82.60	-66.50
2	1745.00	16.50	30.00	-13.50	3.40 H	39	82.90	-66.40
3	1772.50	16.20	30.00	-13.80	3.48 H	46	82.50	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.00	30.00	-11.00	2.03 V	136	85.50	-66.50
2	1745.00	19.80	30.00	-10.20	1.99 V	130	86.20	-66.40
3	1772.50	19.50	30.00	-10.50	1.94 V	143	85.80	-66.30

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.50	30.00	-13.50	2.92 H	47	83.00	-66.50
2	1745.00	16.80	30.00	-13.20	3.14 H	39	83.20	-66.40
3	1770.00	16.00	30.00	-14.00	2.90 H	66	82.30	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.40	30.00	-10.60	2.10 V	130	85.90	-66.50
2	1745.00	19.90	30.00	-10.10	1.99 V	154	86.30	-66.40
3	1770.00	19.80	30.00	-10.20	1.93 V	140	86.10	-66.30

Remarks:

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

Modulation Type: 16QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	15.60	30.00	-14.40	2.99 H	55	82.10	-66.50
2	1745.00	15.80	30.00	-14.20	2.91 H	62	82.20	-66.40
3	1779.30	15.60	30.00	-14.40	2.85 H	69	81.90	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.00	30.00	-12.00	2.20 V	119	84.50	-66.50
2	1745.00	18.50	30.00	-11.50	2.00 V	116	84.90	-66.40
3	1779.30	18.20	30.00	-11.80	1.90 V	119	84.50	-66.30

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	14.90	30.00	-15.10	3.03 H	44	81.40	-66.50
2	1745.00	15.60	30.00	-14.40	3.05 H	59	82.00	-66.40
3	1778.50	15.40	30.00	-14.60	3.01 H	62	81.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.00	30.00	-12.00	1.95 V	95	84.50	-66.50
2	1745.00	18.40	30.00	-11.60	1.94 V	105	84.80	-66.40
3	1778.50	18.30	30.00	-11.70	1.85 V	113	84.60	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	15.40	30.00	-14.60	3.29 H	34	81.90	-66.50
2	1745.00	15.70	30.00	-14.30	3.19 H	46	82.10	-66.40
3	1777.50	15.20	30.00	-14.80	3.17 H	66	81.50	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.80	30.00	-12.20	1.89 V	92	84.30	-66.50
2	1745.00	18.30	30.00	-11.70	1.87 V	100	84.70	-66.40
3	1777.50	18.30	30.00	-11.70	1.85 V	112	84.60	-66.30

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	15.50	30.00	-14.50	3.43 H	35	82.00	-66.50
2	1745.00	15.70	30.00	-14.30	3.36 H	40	82.10	-66.40
3	1775.00	15.30	30.00	-14.70	3.42 H	49	81.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.50	30.00	-12.50	1.81 V	120	84.00	-66.50
2	1745.00	18.10	30.00	-11.90	1.89 V	125	84.50	-66.40
3	1775.00	18.20	30.00	-11.80	1.86 V	121	84.50	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	15.00	30.00	-15.00	3.49 H	28	81.50	-66.50
2	1745.00	15.50	30.00	-14.50	3.40 H	39	81.90	-66.40
3	1772.50	15.20	30.00	-14.80	3.48 H	46	81.50	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.00	30.00	-12.00	2.03 V	136	84.50	-66.50
2	1745.00	18.80	30.00	-11.20	1.99 V	130	85.20	-66.40
3	1772.50	18.50	30.00	-11.50	1.94 V	143	84.80	-66.30

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	15.50	30.00	-14.50	2.92 H	47	82.00	-66.50
2	1745.00	15.80	30.00	-14.20	3.14 H	39	82.20	-66.40
3	1770.00	15.00	30.00	-15.00	2.90 H	66	81.30	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.40	30.00	-11.60	2.10 V	130	84.90	-66.50
2	1745.00	18.90	30.00	-11.10	1.99 V	154	85.30	-66.40
3	1770.00	18.80	30.00	-11.20	1.93 V	140	85.10	-66.30

Remarks:

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

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	15.00	30.00	-15.00	2.99 H	55	81.50	-66.50
2	1745.00	15.20	30.00	-14.80	2.91 H	62	81.60	-66.40
3	1779.30	14.90	30.00	-15.10	2.85 H	69	81.20	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.30	30.00	-12.70	2.20 V	119	83.80	-66.50
2	1745.00	17.80	30.00	-12.20	2.00 V	116	84.20	-66.40
3	1779.30	17.40	30.00	-12.60	1.90 V	119	83.70	-66.30

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	13.50	30.00	-16.50	3.03 H	44	80.00	-66.50
2	1745.00	14.60	30.00	-15.40	3.05 H	59	81.00	-66.40
3	1778.50	14.50	30.00	-15.50	3.01 H	62	80.80	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.20	30.00	-12.80	1.95 V	95	83.70	-66.50
2	1745.00	17.60	30.00	-12.40	1.94 V	105	84.00	-66.40
3	1778.50	17.50	30.00	-12.50	1.85 V	113	83.80	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	14.50	30.00	-15.50	3.29 H	34	81.00	-66.50
2	1745.00	14.90	30.00	-15.10	3.19 H	46	81.30	-66.40
3	1777.50	14.40	30.00	-15.60	3.17 H	66	80.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.80	30.00	-13.20	1.89 V	92	83.30	-66.50
2	1745.00	17.30	30.00	-12.70	1.87 V	100	83.70	-66.40
3	1777.50	17.20	30.00	-12.80	1.85 V	112	83.50	-66.30

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	14.50	30.00	-15.50	3.43 H	35	81.00	-66.50
2	1745.00	14.70	30.00	-15.30	3.36 H	40	81.10	-66.40
3	1775.00	14.30	30.00	-15.70	3.42 H	49	80.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.50	30.00	-13.50	1.81 V	120	83.00	-66.50
2	1745.00	17.10	30.00	-12.90	1.89 V	125	83.50	-66.40
3	1775.00	17.20	30.00	-12.80	1.86 V	121	83.50	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	14.20	30.00	-15.80	3.49 H	28	80.70	-66.50
2	1745.00	14.50	30.00	-15.50	3.40 H	39	80.90	-66.40
3	1772.50	14.30	30.00	-15.70	3.48 H	46	80.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.10	30.00	-12.90	2.03 V	136	83.60	-66.50
2	1745.00	17.70	30.00	-12.30	1.99 V	130	84.10	-66.40
3	1772.50	17.60	30.00	-12.40	1.94 V	143	83.90	-66.30

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	14.70	30.00	-15.30	2.92 H	47	81.20	-66.50
2	1745.00	15.00	30.00	-15.00	3.14 H	39	81.40	-66.40
3	1770.00	14.20	30.00	-15.80	2.90 H	66	80.50	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.60	30.00	-12.40	2.10 V	130	84.10	-66.50
2	1745.00	18.00	30.00	-12.00	1.99 V	154	84.40	-66.40
3	1770.00	18.20	30.00	-11.80	1.93 V	140	84.50	-66.30

Remarks:

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

Modulation Type: 256QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	14.00	30.00	-16.00	2.99 H	55	80.50	-66.50
2	1745.00	14.20	30.00	-15.80	2.91 H	62	80.60	-66.40
3	1779.30	14.00	30.00	-16.00	2.85 H	69	80.30	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.30	30.00	-13.70	2.20 V	119	82.80	-66.50
2	1745.00	16.80	30.00	-13.20	2.00 V	116	83.20	-66.40
3	1779.30	16.40	30.00	-13.60	1.90 V	119	82.70	-66.30

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	12.50	30.00	-17.50	3.03 H	44	79.00	-66.50
2	1745.00	13.60	30.00	-16.40	3.05 H	59	80.00	-66.40
3	1778.50	13.50	30.00	-16.50	3.01 H	62	79.80	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	16.20	30.00	-13.80	1.95 V	95	82.70	-66.50
2	1745.00	16.60	30.00	-13.40	1.94 V	105	83.00	-66.40
3	1778.50	16.50	30.00	-13.50	1.85 V	113	82.80	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	13.50	30.00	-16.50	3.29 H	34	80.00	-66.50
2	1745.00	13.90	30.00	-16.10	3.19 H	46	80.30	-66.40
3	1777.50	13.40	30.00	-16.60	3.17 H	66	79.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	15.80	30.00	-14.20	1.89 V	92	82.30	-66.50
2	1745.00	16.30	30.00	-13.70	1.87 V	100	82.70	-66.40
3	1777.50	16.20	30.00	-13.80	1.85 V	112	82.50	-66.30

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	13.50	30.00	-16.50	3.43 H	35	80.00	-66.50
2	1745.00	13.70	30.00	-16.30	3.36 H	40	80.10	-66.40
3	1775.00	13.30	30.00	-16.70	3.42 H	49	79.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	15.50	30.00	-14.50	1.81 V	120	82.00	-66.50
2	1745.00	16.20	30.00	-13.80	1.89 V	125	82.60	-66.40
3	1775.00	16.10	30.00	-13.90	1.86 V	121	82.40	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	13.20	30.00	-16.80	3.49 H	28	79.70	-66.50
2	1745.00	13.50	30.00	-16.50	3.40 H	39	79.90	-66.40
3	1772.50	13.30	30.00	-16.70	3.48 H	46	79.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.00	30.00	-14.00	2.03 V	136	82.50	-66.50
2	1745.00	16.70	30.00	-13.30	1.99 V	130	83.10	-66.40
3	1772.50	16.60	30.00	-13.40	1.94 V	143	82.90	-66.30

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	13.70	30.00	-16.30	2.92 H	47	80.20	-66.50
2	1745.00	14.00	30.00	-16.00	3.14 H	39	80.40	-66.40
3	1770.00	13.20	30.00	-16.80	2.90 H	66	79.50	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.60	30.00	-13.40	2.10 V	130	83.10	-66.50
2	1745.00	17.00	30.00	-13.00	1.99 V	154	83.40	-66.40
3	1770.00	17.10	30.00	-12.90	1.93 V	140	83.40	-66.30

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

4.2 Modulation Characteristics Measurement

4.2.1 Limits of Modulation Characteristics

N/A

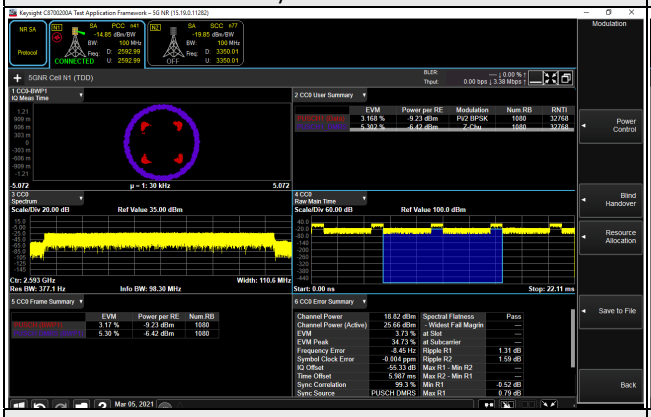
4.2.2 Test Procedure

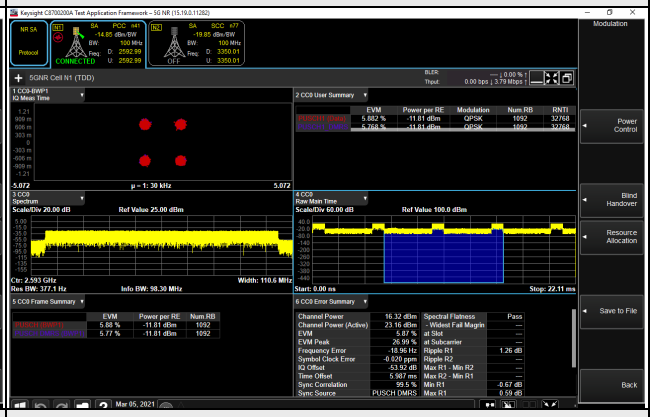
Connect the EUT to Communication Simulator via the antenna connector, The frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

4.2.3 Test Setup

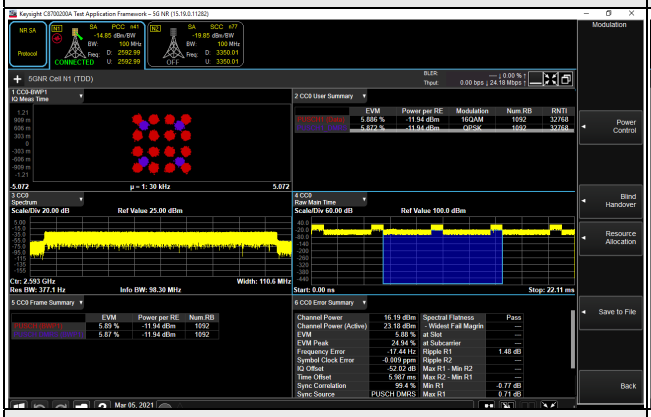
4.2.4 Test Results

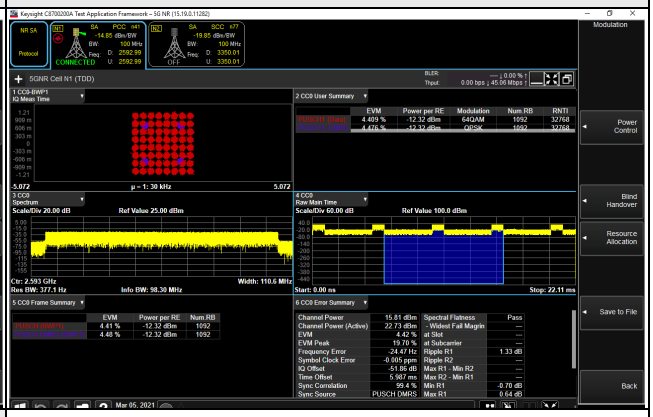
n41	
Spectrum Plot of Measurement Value	
Channel: 518598 / Frequency (MHz): 2592.99MHz	
$\pi/2$ BPSK	QPSK



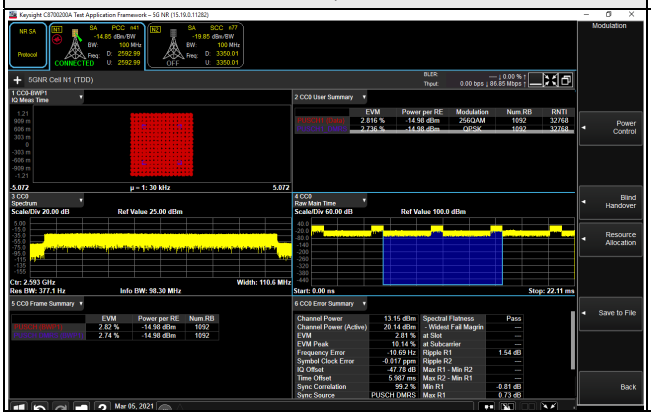


16QAM	64QAM





256QAM	



4.3 Frequency Stability Measurement

4.3.1 Limits of Frequency Stabiliity Measurement

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

4.3.2 Test Procedure

a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5 ℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

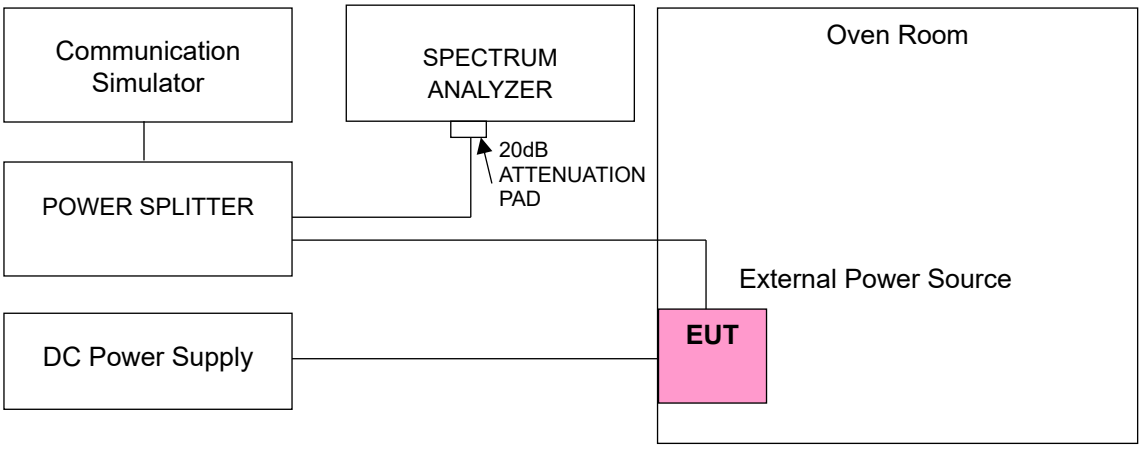
Note: The frequency error was recorded frequency error from the communication simulator.

4.3.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
5G Wireless Test Platforms Keysight	E7515B	MY60102114	May 28, 2020	May 27, 2021
Temperature & Humidity Chamber TERCHY	HRM-120RF	931022	Dec. 24, 2020	Dec. 23, 2021
Digital Multimeter Fluke	87-III	70360742	Jun. 23, 2020	Jun. 22, 2021
DC Power Supply Topward	6306A	727263	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.

4.3.4 Conducted Setup



4.3.5 Test Results

Frequency Error vs. Voltage

Voltage (Vdc)	n41			
	Channel Bandwidth 20 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2506.020002	0.001	2679.990000	0.001
3.40	2506.020004	0.002	2679.990000	0.001
4.40	2506.020003	0.001	2679.990000	0.001

Note: The applicant defined the normal working voltage is from 3.40Vdc to 4.40Vdc.

Frequency Error vs. Temperature

Temp. (℃)	n41			
	Channel Bandwidth 20 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2506.020004	0.001	2679.990000	0.001
-20	2506.020002	0.001	2679.990000	0.001
-10	2506.020002	0.001	2679.990000	0.001
0	2506.020002	0.001	2679.990000	0.000
10	2506.020003	0.001	2679.990000	0.001
20	2506.019998	-0.001	2679.990000	-0.001
30	2506.019997	-0.001	2679.990000	-0.001
40	2506.019997	-0.001	2679.990000	-0.001
50	2506.019996	-0.002	2679.990000	-0.001

Frequency Error vs. Voltage

Voltage (Vdc)	n41			
	Channel Bandwidth 30 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2511.000003	0.001	2674.980002	0.001
3.40	2511.000004	0.002	2674.980002	0.001
4.40	2511.000004	0.001	2674.980001	0.000

Note: The applicant defined the normal working voltage is from 3.40Vdc to 4.40Vdc.

Frequency Error vs. Temperature

Temp. (℃)	n41			
	Channel Bandwidth 30 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2511.000003	0.001	2674.980001	0.000
-20	2511.000004	0.002	2674.980003	0.001
-10	2511.000004	0.001	2674.980002	0.001
0	2511.000001	0.000	2674.980002	0.001
10	2511.000001	0.000	2674.980001	0.000
20	2510.999998	-0.001	2674.979998	-0.001
30	2510.999997	-0.001	2674.979999	0.000
40	2510.999999	-0.001	2674.979997	-0.001
50	2510.999997	-0.001	2674.979996	-0.001

Frequency Error vs. Voltage

Voltage (Vdc)	n41			
	Channel Bandwidth 40 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2516.010004	0.001	2670.000003	0.001
3.40	2516.010004	0.002	2670.000002	0.001
4.40	2516.010004	0.001	2670.000003	0.001

Note: The applicant defined the normal working voltage is from 3.40Vdc to 4.40Vdc.

Frequency Error vs. Temperature

Temp. (℃)	n41			
	Channel Bandwidth 40 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2516.010004	0.002	2670.000002	0.001
-20	2516.010004	0.001	2670.000001	0.000
-10	2516.010003	0.001	2670.000003	0.001
0	2516.010003	0.001	2670.000003	0.001
10	2516.010003	0.001	2670.000001	0.000
20	2516.009997	-0.001	2669.999998	-0.001
30	2516.009999	-0.001	2669.999999	-0.001
40	2516.009998	-0.001	2669.999999	0.000
50	2516.009996	-0.002	2669.999999	0.000

Frequency Error vs. Voltage

Voltage (Vdc)	n41			
	Channel Bandwidth 50 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2521.020002	0.001	2664.990002	0.001
3.40	2521.020002	0.001	2664.990004	0.001
4.40	2521.020002	0.001	2664.990003	0.001

Note: The applicant defined the normal working voltage is from 3.40Vdc to 4.40Vdc.

Frequency Error vs. Temperature

Temp. (℃)	n41			
	Channel Bandwidth 50 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2521.020003	0.001	2664.990002	0.001
-20	2521.020001	0.001	2664.990004	0.001
-10	2521.020004	0.001	2664.990003	0.001
0	2521.020003	0.001	2664.990003	0.001
10	2521.020001	0.000	2664.990003	0.001
20	2521.019997	-0.001	2664.989997	-0.001
30	2521.019997	-0.001	2664.989996	-0.001
40	2521.019999	0.000	2664.989998	-0.001
50	2521.019997	-0.001	2664.989998	-0.001

Frequency Error vs. Voltage

Voltage (Vdc)	n41			
	Channel Bandwidth 60 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2526.000004	0.002	2659.980004	0.001
3.40	2526.000003	0.001	2659.980003	0.001
4.40	2526.000001	0.000	2659.980001	0.000

Note: The applicant defined the normal working voltage is from 3.40Vdc to 4.40Vdc.

Frequency Error vs. Temperature

Temp. (℃)	n41			
	Channel Bandwidth 60 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2526.000003	0.001	2659.980001	0.000
-20	2526.000003	0.001	2659.980003	0.001
-10	2526.000003	0.001	2659.980002	0.001
0	2526.000004	0.001	2659.980001	0.000
10	2526.000002	0.001	2659.980002	0.001
20	2525.999998	-0.001	2659.979996	-0.001
30	2525.999998	-0.001	2659.979998	-0.001
40	2525.999997	-0.001	2659.979998	-0.001
50	2525.999997	-0.001	2659.979998	-0.001

Frequency Error vs. Voltage

Voltage (Vdc)	n41			
	Channel Bandwidth 80 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2536.020002	0.001	2649.990002	0.001
3.40	2536.020002	0.001	2649.990001	0.000
4.40	2536.020004	0.001	2649.990002	0.001

Note: The applicant defined the normal working voltage is from 3.40Vdc to 4.40Vdc.

Frequency Error vs. Temperature

Temp. (℃)	n41			
	Channel Bandwidth 80 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2536.020003	0.001	2649.990004	0.001
-20	2536.020003	0.001	2649.990002	0.001
-10	2536.020002	0.001	2649.990004	0.001
0	2536.020004	0.001	2649.990001	0.000
10	2536.020003	0.001	2649.990002	0.001
20	2536.019997	-0.001	2649.989999	0.000
30	2536.019999	0.000	2649.989998	-0.001
40	2536.019999	0.000	2649.989997	-0.001
50	2536.019999	-0.001	2649.989997	-0.001

Frequency Error vs. Voltage

Voltage (Vdc)	n41			
	Channel Bandwidth 90 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2541.000002	0.001	2644.980003	0.001
3.40	2541.000003	0.001	2644.980001	0.000
4.40	2541.000001	0.001	2644.980002	0.001

Note: The applicant defined the normal working voltage is from 3.40Vdc to 4.40Vdc.

Frequency Error vs. Temperature

Temp. (℃)	n41			
	Channel Bandwidth 90 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2541.000004	0.002	2644.980001	0.000
-20	2541.000001	0.000	2644.980003	0.001
-10	2541.000004	0.002	2644.980002	0.001
0	2541.000002	0.001	2644.980002	0.001
10	2541.000004	0.002	2644.980002	0.001
20	2540.999998	-0.001	2644.979998	-0.001
30	2540.999998	-0.001	2644.979997	-0.001
40	2540.999999	-0.001	2644.979998	-0.001
50	2540.999997	-0.001	2644.979997	-0.001

Frequency Error vs. Voltage

Voltage (Vdc)	n41			
	Channel Bandwidth 100 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2546.010002	0.001	2640.000001	0.001
3.40	2546.010001	0.000	2640.000001	0.000
4.40	2546.010003	0.001	2640.000003	0.001

Note: The applicant defined the normal working voltage is from 3.40Vdc to 4.40Vdc.

Frequency Error vs. Temperature

Temp. (℃)	n41			
	Channel Bandwidth 100 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2546.010003	0.001	2640.000003	0.001
-20	2546.010003	0.001	2640.000002	0.001
-10	2546.010002	0.001	2640.000002	0.001
0	2546.010003	0.001	2640.000003	0.001
10	2546.010001	0.001	2640.000004	0.001
20	2546.009996	-0.002	2639.999999	0.000
30	2546.009996	-0.001	2639.999997	-0.001
40	2546.009997	-0.001	2639.999997	-0.001
50	2546.009998	-0.001	2639.999999	-0.001

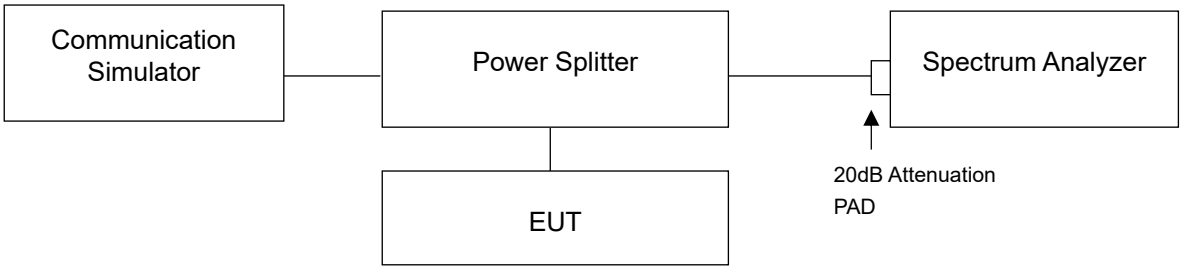
4.4 Occupied Bandwidth Measurement

4.4.1 Test Procedure

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Measurement method, please refer to section 5.4.4 of ANSI C63.26. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

For the 26dBc bandwidth measurement method, please refer to section 5.4.3 of ANSI C63.26.

4.4.2 Test Setup



4.4.3 Test Result

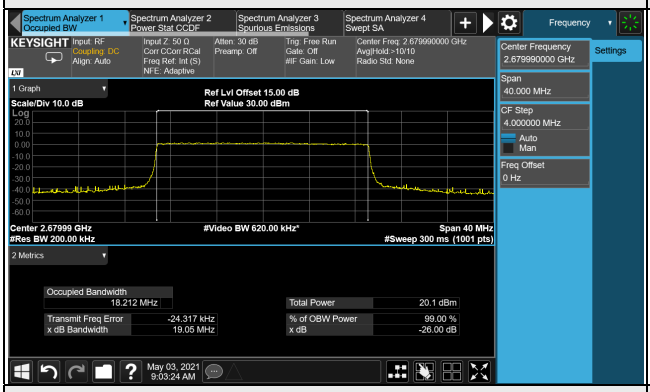
Occupied Bandwidth

n41, Channel Bandwidth 20MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
501204	2506.02	17.80	18.17	18.17	18.19	18.18
518598	2592.99	17.81	18.17	18.18	18.20	18.19
535998	2679.99	17.82	18.17	18.18	18.21	18.19
n41, Channel Bandwidth 30MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
502200	2511.00	26.75	27.77	27.78	27.77	27.77
518598	2592.99	27.79	27.79	27.81	27.79	27.79
534996	2674.98	26.75	27.79	27.80	27.79	27.76
n41, Channel Bandwidth 40MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
503202	2516.01	35.58	37.69	37.68	37.70	37.71
518598	2592.99	35.63	37.76	37.76	37.78	37.77
534000	2670.00	35.65	37.39	37.39	37.36	37.36
n41, Channel Bandwidth 50MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
504204	2521.02	45.61	47.33	47.32	47.37	47.36
518598	2592.99	45.68	47.43	47.42	47.46	47.44
532998	2664.99	45.65	47.40	47.38	47.41	47.40
n41, Channel Bandwidth 60MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
505200	2526.00	57.65	57.62	57.64	57.61	57.65
518598	2592.99	57.76	57.73	57.76	57.74	57.79
531996	2659.98	57.69	57.68	57.70	57.67	57.69

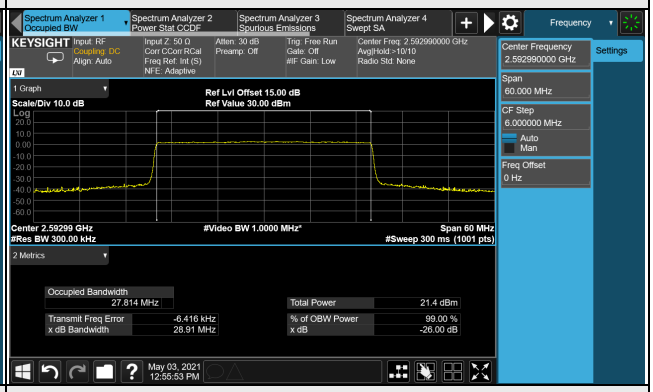
n41, Channel Bandwidth 80MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
507204	2536.02	76.79	77.18	77.21	77.15	77.14
518598	2592.99	76.96	77.38	77.40	77.34	77.36
529998	2649.99	76.84	77.20	77.20	77.15	77.21
n41, Channel Bandwidth 90MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
508200	2541.00	86.45	87.09	87.10	87.05	87.02
518598	2592.99	86.57	87.31	87.33	87.31	87.27
528996	2644.98	86.47	87.07	87.08	87.03	87.03
n41, Channel Bandwidth 100MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
509202	2546.01	95.98	97.06	97.06	97.00	97.00
518598	2592.99	97.31	97.31	97.34	97.29	97.29
528000	2640.00	96.07	97.00	97.01	96.97	97.02

Spectrum Plot of Worst Value

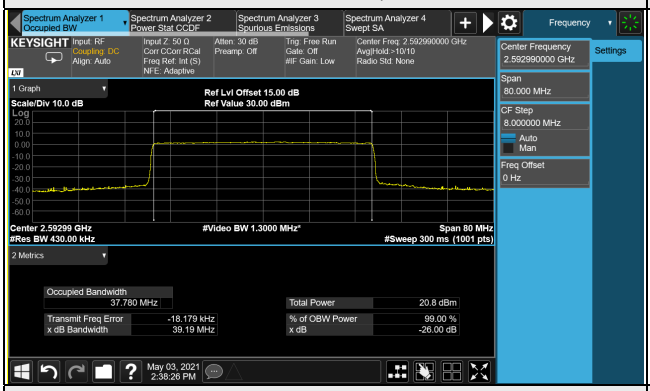
20MHz / 64QAM



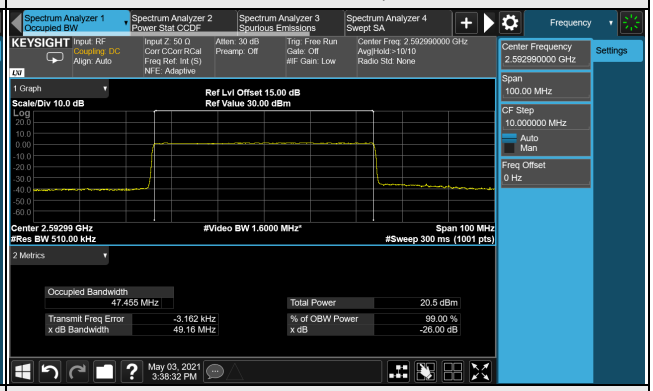
30MHz / 16QAM



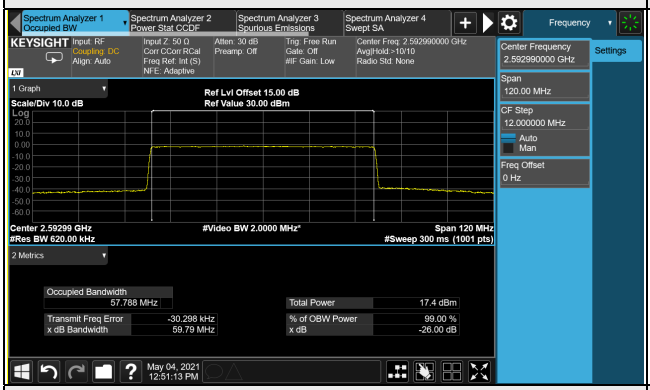
40MHz / 64QAM



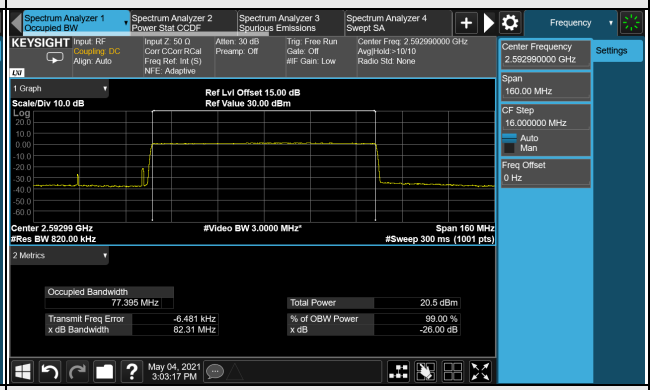
50MHz / 64QAM



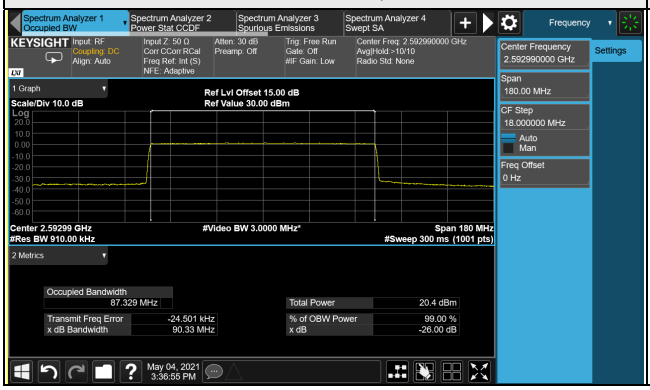
60MHz / 256QAM



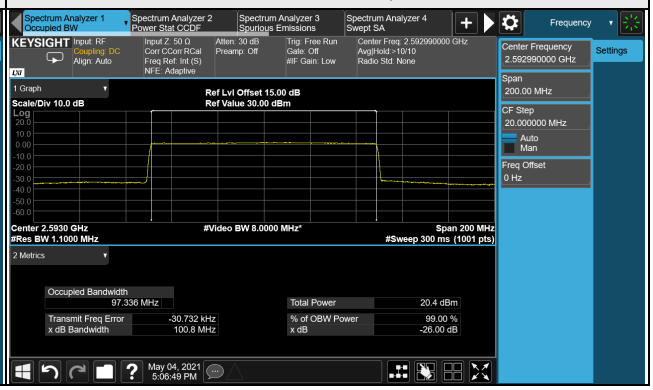
80MHz / 16QAM



90MHz / 16QAM



100MHz / 16QAM



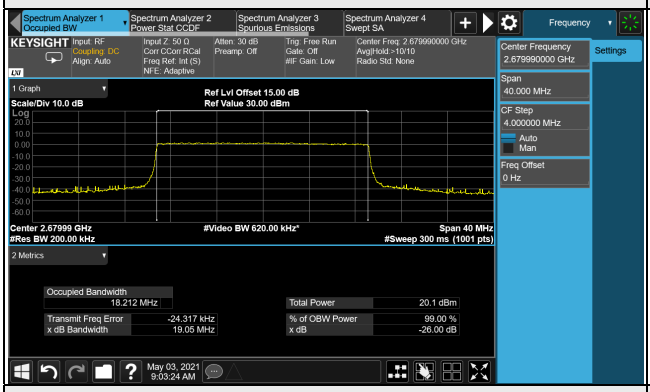
26dB Bandwidth

n41, Channel Bandwidth 20MHz						
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
501204	2506.02	18.56	18.92	19.01	18.99	18.99
518598	2592.99	18.57	18.93	18.99	19.00	18.99
535998	2679.99	18.56	18.95	19.00	19.05	18.98
n41, Channel Bandwidth 30MHz						
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
502200	2511.00	27.77	28.87	28.89	28.87	28.83
518598	2592.99	28.86	28.86	28.91	28.89	28.84
534996	2674.98	27.79	28.85	28.88	28.87	28.83
n41, Channel Bandwidth 40MHz						
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
503202	2516.01	37.02	39.17	39.18	39.16	39.17
518598	2592.99	37.01	39.23	39.19	39.19	39.20
534000	2670.00	37.03	38.86	38.81	38.81	38.81
n41, Channel Bandwidth 50MHz						
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
504204	2521.02	47.33	49.09	49.11	49.12	49.09
518598	2592.99	47.33	49.13	49.12	49.16	49.13
532998	2664.99	47.31	49.09	49.08	49.36	49.12
n41, Channel Bandwidth 60MHz						
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
505200	2526.00	59.77	59.75	59.75	59.75	59.75
518598	2592.99	59.79	59.81	59.80	59.80	59.79
531996	2659.98	59.76	59.79	59.78	59.78	59.77

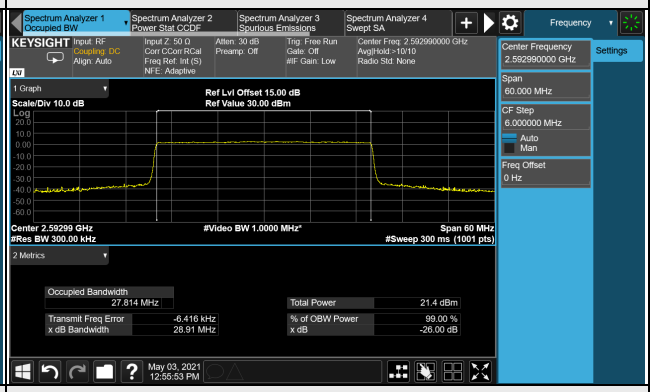
n41, Channel Bandwidth 80MHz						
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
507204	2536.02	79.62	79.98	80.00	79.99	80.00
518598	2592.99	79.68	79.91	82.31	80.04	80.04
529998	2649.99	79.64	80.02	80.01	80.00	79.94
n41, Channel Bandwidth 90MHz						
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
508200	2541.00	89.58	90.30	90.91	90.28	90.28
518598	2592.99	89.59	90.34	90.33	90.34	90.33
528996	2644.98	89.57	90.28	90.28	90.26	90.26
n41, Channel Bandwidth 100MHz						
Channel	Frequency (MHz)	26dB Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
509202	2546.01	99.68	100.80	100.80	100.80	100.70
518598	2592.99	100.80	100.80	100.80	100.80	100.80
528000	2640.00	99.72	100.70	100.70	100.70	100.70

Spectrum Plot of Worst Value

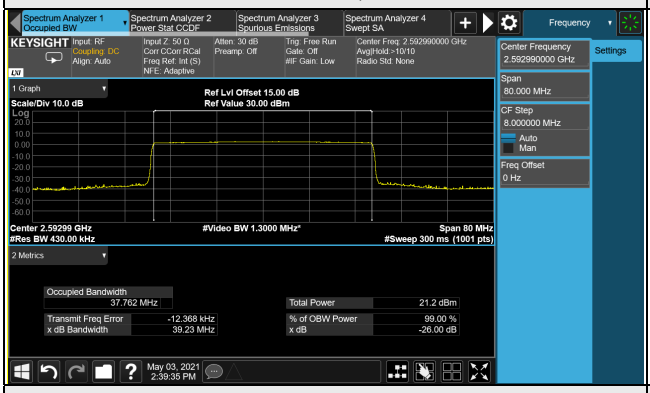
20MHz / 64QAM



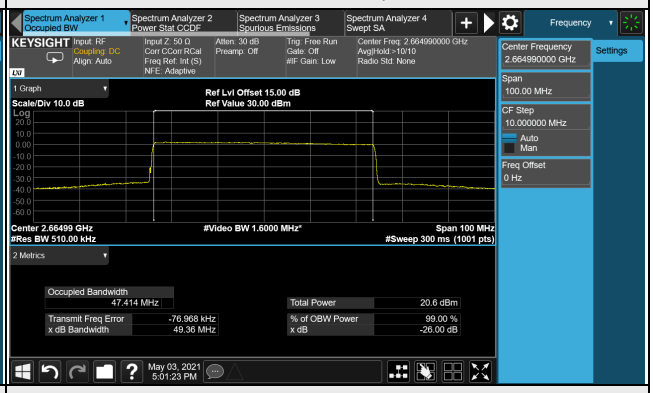
30MHz / 16QAM



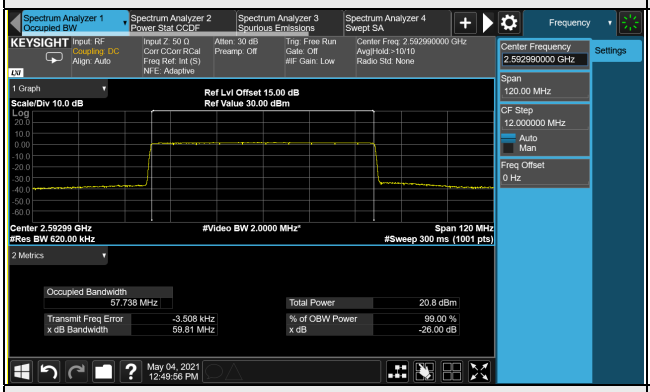
40MHz / QPSK



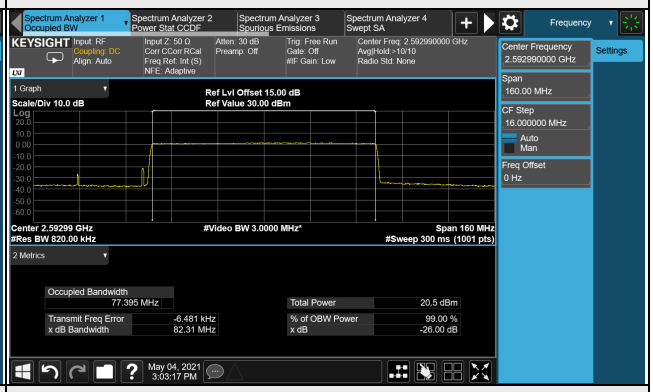
50MHz / 64QAM



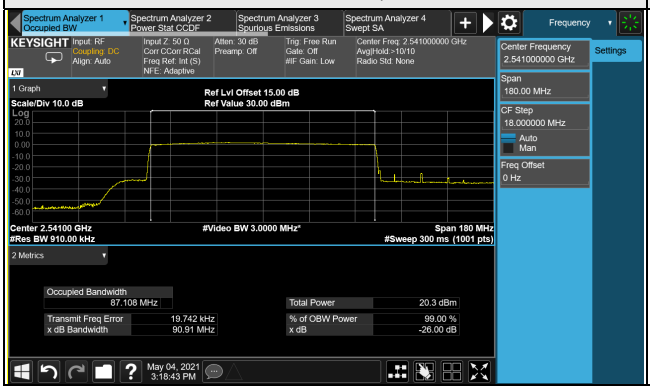
60MHz / QPSK



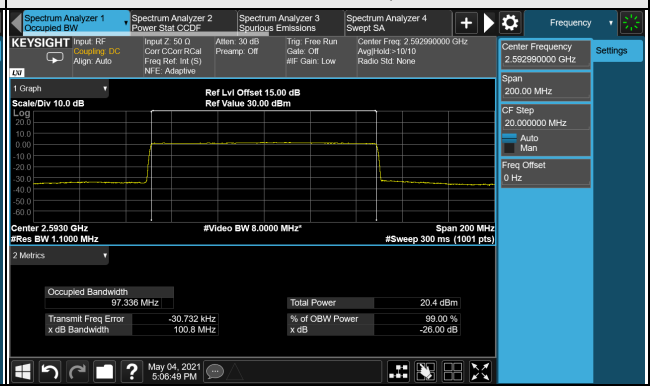
80MHz / 16QAM



90MHz / 16QAM



100MHz / 16QAM

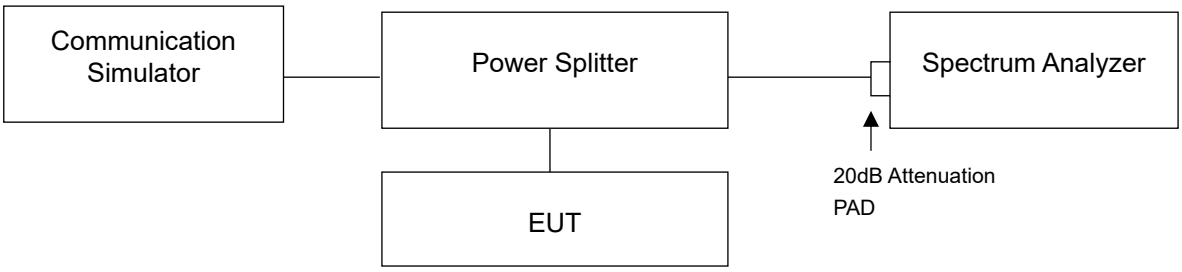


4.5 Out-of-Band Emissions Measurement

4.5.1 Limits of Out-of-Band Emissions Measurement

According to FCC 27.53(m)(4) specified that power of any emission outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5MHz. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed.

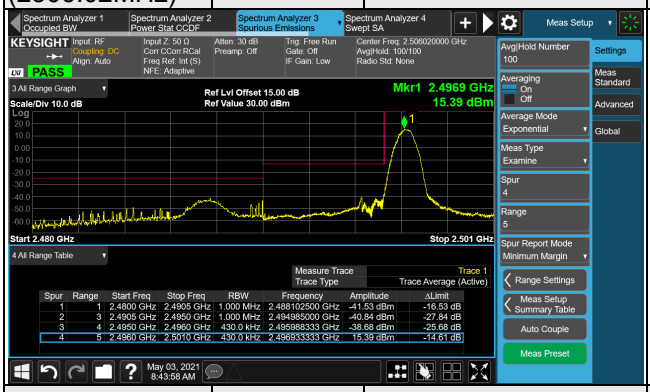
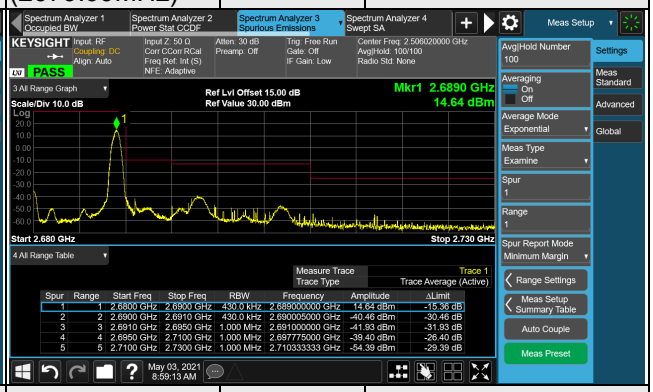
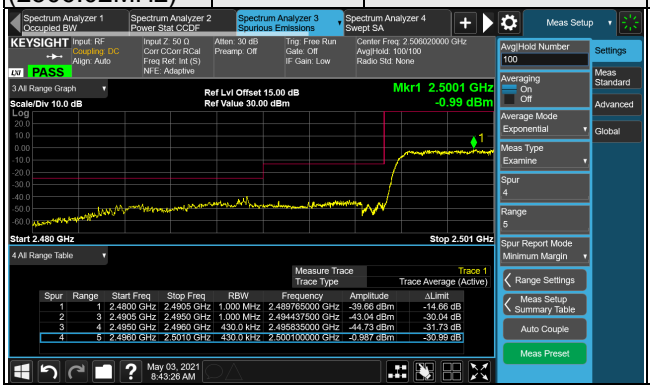
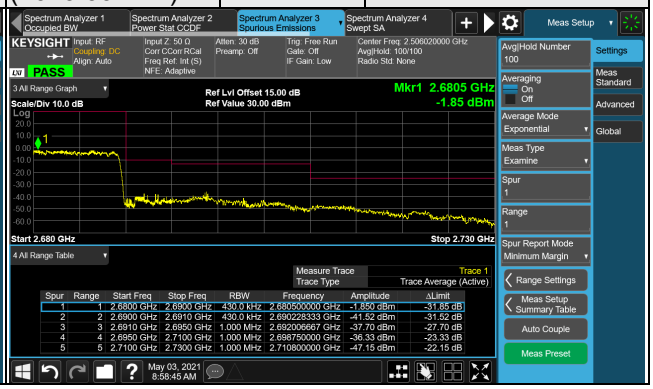
4.5.2 Test Setup

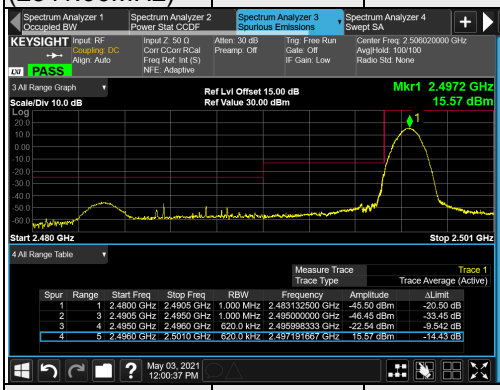
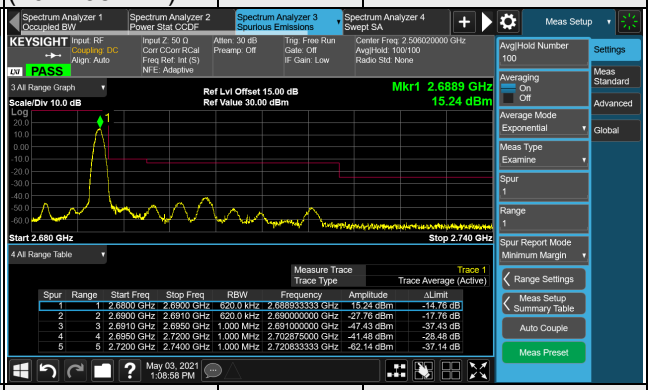
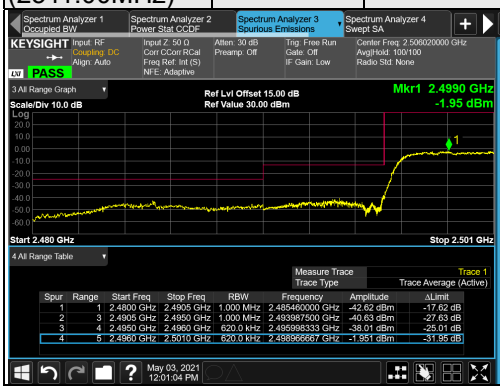
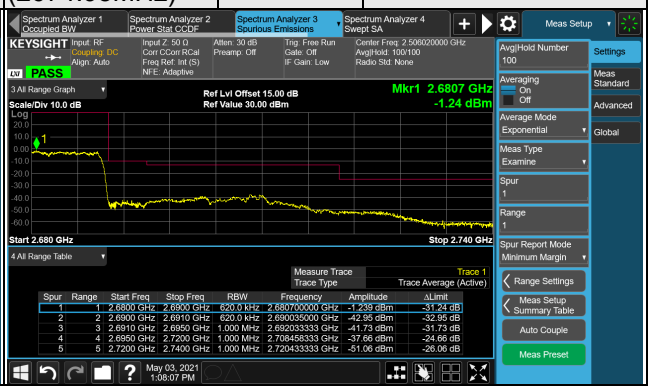


4.5.3 Test Procedures

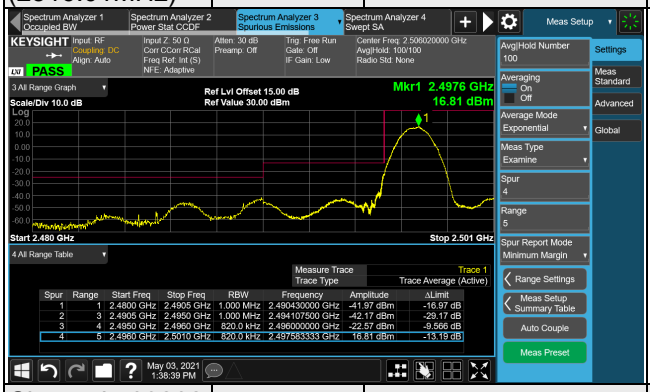
a. The testing follows ANSI C63.26 section 5.7
b. The EUT was connected to spectrum analyzer and system simulator via a power divider.
c. The band edges of low and high channels for the highest RF powers were measured.
d. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
e. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
f. Set spectrum analyzer with RMS detector.
g. Checked that all the results comply with the emission limit line.

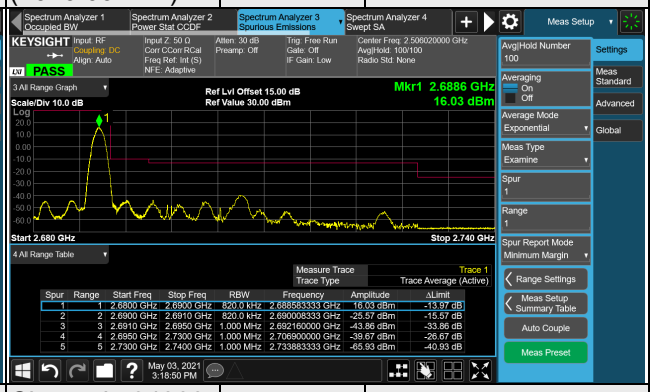
4.5.4 Test Results

n41, Channel Bandwidth 20MHz					
Channel 501204 (2506.02MHz)	$\pi/2$ BPSK	1 RB / 0 RB Offset	Channel 535998 (2679.99MHz)	$\pi/2$ BPSK	1 RB / 50 RB Offset
					
Channel 501204 (2506.02MHz)	$\pi/2$ BPSK	51 RB / 0 RB Offset	Channel 535998 (2679.99MHz)	$\pi/2$ BPSK	51 RB / 0 RB Offset
					

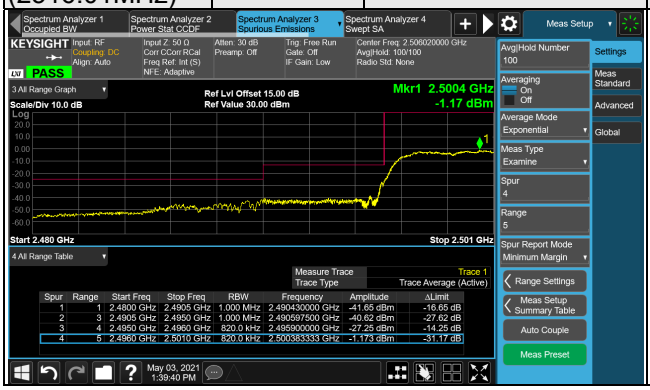
n41, Channel Bandwidth 30MHz					
Channel 502200 (2511.00MHz)	QPSK	1 RB / 0 RB Offset	Channel 534996 (2674.98MHz)	QPSK	1 RB / 77 RB Offset
					
Channel 502200 (2511.00MHz)	QPSK	78 RB / 0 RB Offset	Channel 534996 (2674.98MHz)	QPSK	78 RB / 0 RB Offset
					

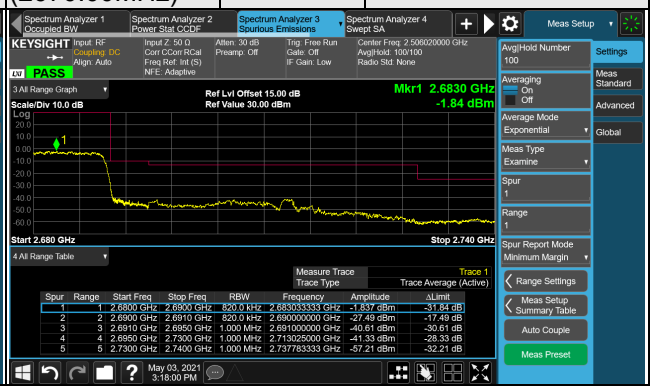
n41, Channel Bandwidth 40MHz					
Channel 503202 (2516.01MHz)	QPSK	1 RB / 0 RB Offset	Channel 534000 (2670.00MHz)	QPSK	1 RB / 105 RB Offset



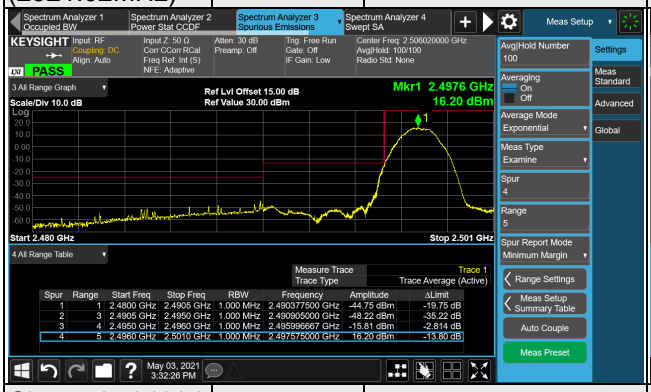


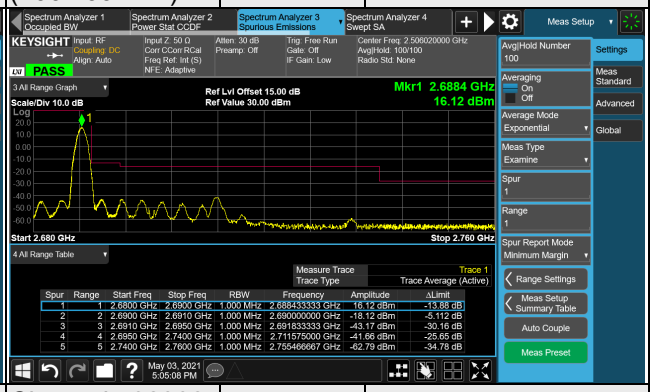
Channel 503202 (2516.01MHz)	QPSK	106 RB / 0 RB Offset	Channel 534000 (2670.00MHz)	QPSK	106 RB / 0 RB Offset



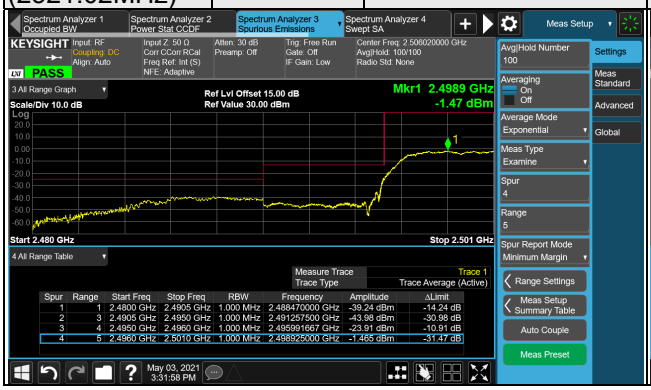


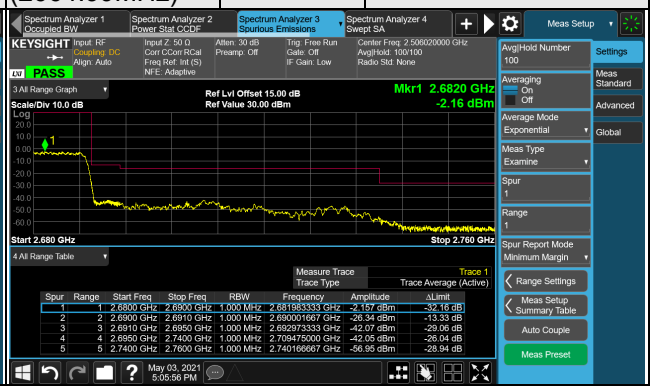
n41, Channel Bandwidth 50MHz					
Channel 504204 (2521.02MHz)	QPSK	1 RB / 0 RB Offset	Channel 532998 (2664.99MHz)	QPSK	1 RB / 132 RB Offset

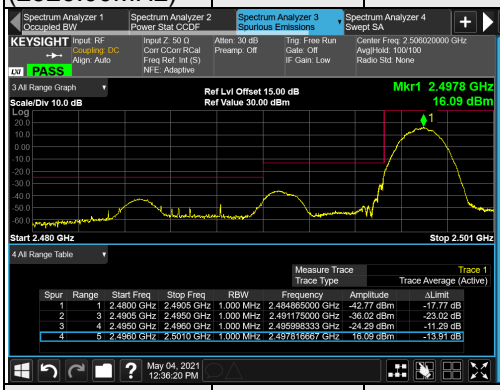
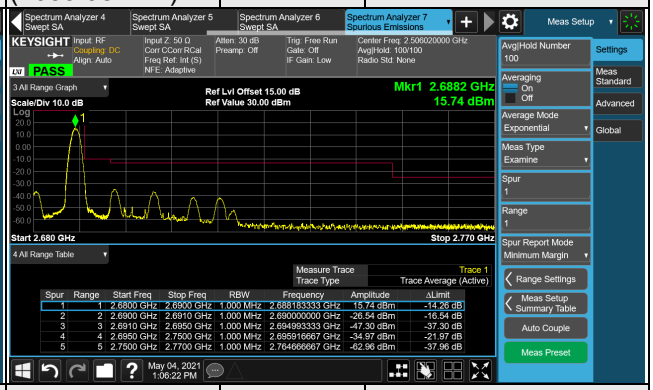
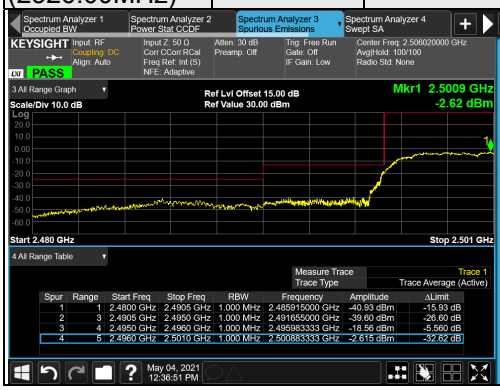
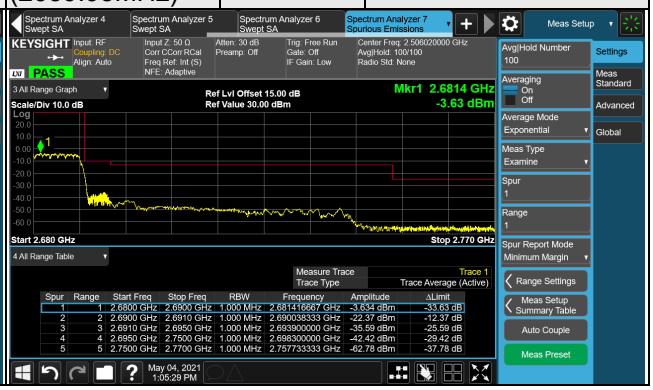


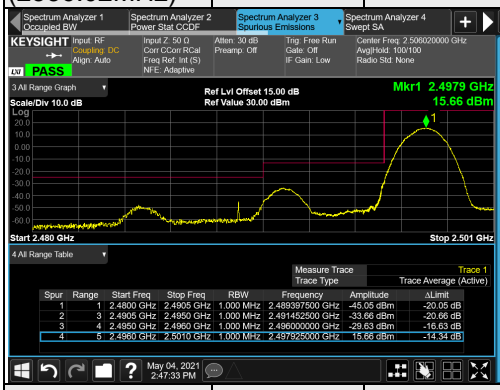
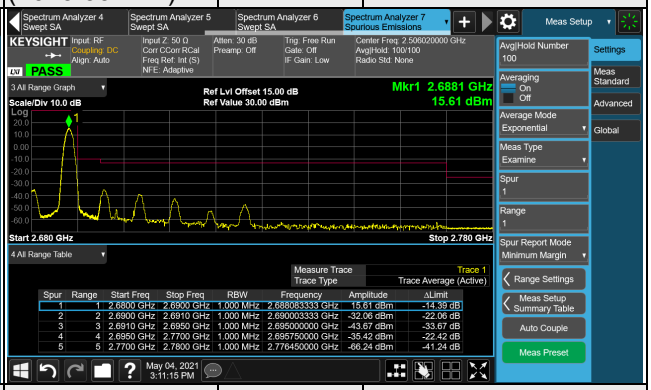
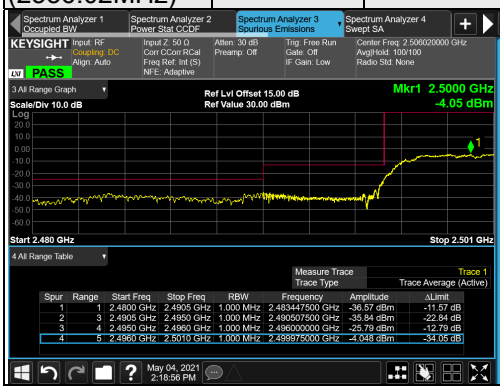
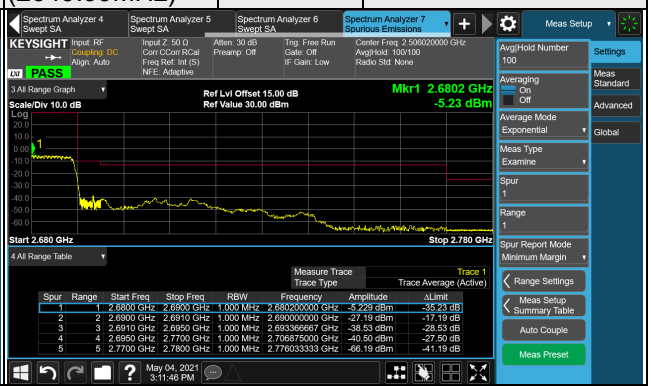


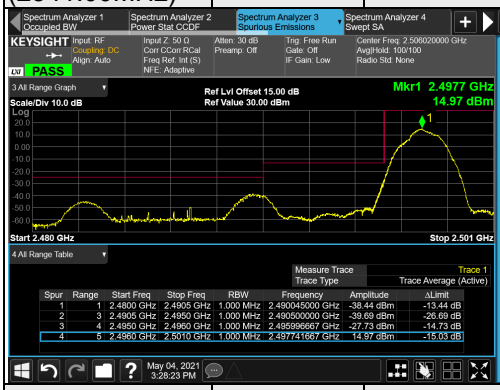
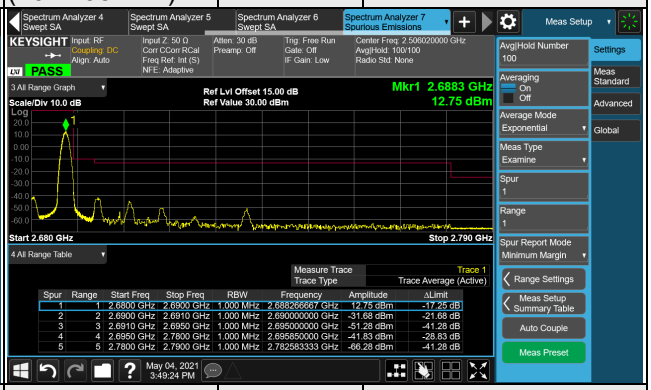
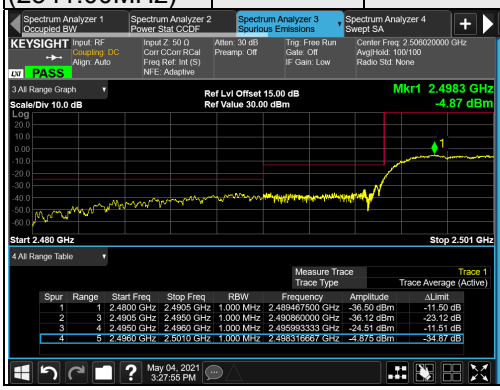
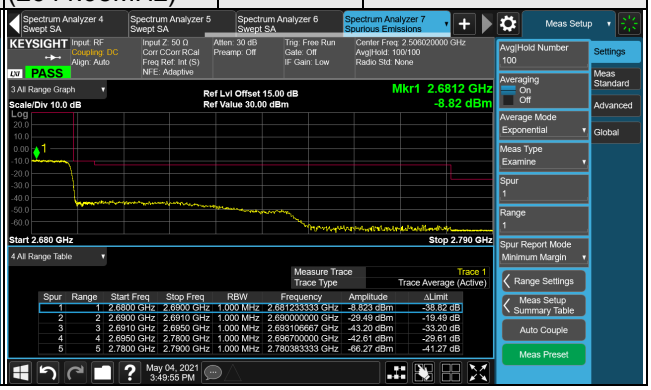
Channel 504204 (2521.02MHz)	QPSK	133 RB / 0 RB Offset	Channel 532998 (2664.99MHz)	QPSK	133 RB / 0 RB Offset





n41, Channel Bandwidth 60MHz					
Channel 505200 (2526.00MHz)	QPSK	1 RB / 0 RB Offset	Channel 531996 (2659.98MHz)	QPSK	1 RB / 161 RB Offset
					
Channel 505200 (2526.00MHz)	QPSK	162 RB / 0 RB Offset	Channel 531996 (2659.98MHz)	QPSK	162 RB / 0 RB Offset
					

n41, Channel Bandwidth 80MHz					
Channel 507204 (2536.02MHz)	$\pi/2$ BPSK	1 RB / 0 RB Offset	Channel 529998 (2649.99MHz)	$\pi/2$ BPSK	1 RB / 216 RB Offset
					
Channel 507204 (2536.02MHz)	$\pi/2$ BPSK	217 RB / 0 RB Offset	Channel 529998 (2649.99MHz)	$\pi/2$ BPSK	217 RB / 0 RB Offset
					

n41, Channel Bandwidth 90MHz					
Channel 508200 (2541.00MHz)	$\pi/2$ BPSK	1 RB / 0 RB Offset	Channel 528996 (2644.98MHz)	$\pi/2$ BPSK	1 RB / 244 RB Offset
					
Channel 508200 (2541.00MHz)	$\pi/2$ BPSK	245 RB / 0 RB Offset	Channel 528996 (2644.98MHz)	$\pi/2$ BPSK	245 RB / 0 RB Offset