FCC Test Report
(Part 24, Part 27 – n25A + LTE B12/B66)

Report No.: RFBBQZ-WTW-P20120749-7

FCC ID: PY320400515

Test Model: MR5100C

Received Date: Dec. 23, 2020

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

Issued Date: Feb. 17, 2021

Applicant and Manufacturer: NETGEAR INC.

Address: 350 East Plumeria Drive, San Jose, CA 95134, USA

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

Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN

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 7
2.2 Test Site and Instruments 8

3 General Information **10**

3.1 General Description of EUT 10
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 98
4.2.1 Limits of Modulation Characteristics 98
4.2.2 Test Procedure 98
4.2.3 Test Setup 98
4.2.4 Test Results 99
4.3 Frequency Stability Measurement 102
4.3.1 Limits of Frequency Stabiliity Measurement 102
4.3.2 Test Procedure 102
4.3.3 Conducted Setup 102
4.3.4 Test Results 103
4.4 Occupied Bandwidth Measurement 117
4.4.1 Test Procedure 117
4.4.2 Test Setup 117
4.4.3 Test Result 118
4.5 Band Edge Measurement 132
4.5.1 Limits of Band Edge Measurement 132
4.5.2 Test Setup 132
4.5.3 Test Procedures 133
4.5.4 Test Results 134
4.6 Peak to Average Ratio 148
4.6.1 Limits of Peak to Average Ratio Measurement 148
4.6.2 Test Setup 148
4.6.3 Test Procedures 148
4.6.4 Test Results 149
4.7 Conducted Spurious Emissions 156
4.7.1 Limits of Conducted Spurious Emissions Measurement 156
4.7.2 Test Setup 156
4.7.3 Test Procedure 156
4.7.4 Test Results 157
4.8 Radiated Emission Measurement 171
4.8.1 Limits of Radiated Emission Measurement 171
4.8.2 Test Procedure 171
4.8.3 Deviation from Test Standard 171
4.8.4 Test Setup 172
4.8.5 Test Results 173

5 Pictures of Test Arrangements 217
Appendix – Information of the Testing Laboratories 218

Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P20120749-7	Original release	Feb. 17, 2021

1 Certificate of Conformity

Product: 5G MHS Travel Router

Brand: Netgear

Test Model: MR5100C

Sample Status: Engineering sample

Applicant: NETGEAR INC.

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

Standards: FCC Part 24, Subpart E
FCC Part 27, Subpart L, N

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

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

Approved by : Bruce Chen , **Date:** Feb. 17, 2021
Bruce Chen / Senior Project Engineer

2 Summary of Test Results

For n25

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	Meet the requirement of limit.
2.1047	Modulation Characteristics	Pass	Meet the requirement
2.1055 24.235	Frequency Stability	Pass	Meet the requirement of limit.
2.1049	Occupied Bandwidth	Pass	Meet the requirement of limit.
24.238	Band Edge Measurements	Pass	Meet the requirement of limit.
2.1051 24.238	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 24.238	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -23.63dB at 62.33MHz.

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

For LTE Band 12, 66

Applied Standard: FCC Part 27 & Part 2				
FCC Clause		Test Item	Result	Remarks
LTE B12	LTE B66			
2.1046 27.50 (c)	2.1046 27.50 (d)(4)	Equivalent Isotropically Radiated Power / Equivalent Radiated Power	Pass	Meet the requirement of limit.
2.1047	2.1047	Modulation Characteristics	Pass	Meet the requirement of limit.
----	27.50 (d)(5)	Peak To Average Ratio	Pass	Meet the requirement of limit.
2.1055 27.54	2.1055 27.54	Frequency Stability Stay with the authorized bands of operation	Pass	Meet the requirement of limit.
2.1049	2.1049	Occupied Bandwidth	Pass	Meet the requirement of limit.
2.1051 27.53 (g)	2.1051 27.53 (h)	Band Edge Measurements	Pass	Meet the requirement of limit.
2.1051 27.53 (g)	2.1051 27.53 (h)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 27.53 (g)	2.1053 27.53 (h)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -23.78dB at 62.33MHz.

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

2.1 Measurement Uncertainty

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

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

2.2 Test Site and Instruments

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

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

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

3 General Information

3.1 General Description of EUT

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

n25

Modulation Type	$\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM					
Waveform Type	CP-OFDM, DFT-s-OFDM					
Operating Frequency	n25 (Channel Bandwidth 5MHz)	1852.5MHz ~ 1912.5MHz				
	n25 (Channel Bandwidth 10MHz)	1855.0MHz ~ 1910.0MHz				
	n25 (Channel Bandwidth 15MHz)	1857.5MHz ~ 1907.5MHz				
	n25 (Channel Bandwidth 20MHz)	1860.0MHz ~ 1905.0MHz				
Max. EIRP Power (Internal Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n25 (Channel Bandwidth 5MHz)	218.776mW (23.40dBm)	165.959mW (22.20dBm)	134.896mW (21.30dBm)	117.490mW (20.70dBm)	81.283mW (19.10dBm)
	n25 (Channel Bandwidth 10MHz)	234.423mW (23.70dBm)	165.959mW (22.20dBm)	125.893mW (21.00dBm)	114.815mW (20.60dBm)	83.176mW (19.20dBm)
	n25 (Channel Bandwidth 15MHz)	213.796mW (23.30dBm)	162.181mW (22.10dBm)	125.893mW (21.00dBm)	109.648mW (20.40dBm)	77.625mW (18.90dBm)
	n25 (Channel Bandwidth 20MHz)	245.471mW (23.90dBm)	165.959mW (22.20dBm)	134.896mW (21.30dBm)	117.490mW (20.70dBm)	85.114mW (19.30dBm)
Max. EIRP Power (External Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n25 (Channel Bandwidth 5MHz)	162.181mW (22.10dBm)	128.825mW (21.10dBm)	100.000mW (20.00dBm)	89.125mW (19.50dBm)	63.096mW (18.00dBm)
	n25 (Channel Bandwidth 10MHz)	158.489mW (22.00dBm)	120.226mW (20.80dBm)	100.000mW (20.00dBm)	87.096mW (19.40dBm)	63.096mW (18.00dBm)
	n25 (Channel Bandwidth 15MHz)	165.959mW (22.20dBm)	128.825mW (21.10dBm)	97.724mW (19.90dBm)	85.114mW (19.30dBm)	61.660mW (17.90dBm)
	n25 (Channel Bandwidth 20MHz)	173.780mW (22.40dBm)	125.893mW (21.00dBm)	104.713mW (20.20dBm)	91.201mW (19.60dBm)	63.096mW (18.00dBm)
Emission Designator		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n25 (Channel Bandwidth 5MHz)	4M47G7D	4M47G7D	4M48D7W	4M47D7W	4M47D7W
	n25 (Channel Bandwidth 10MHz)	9M18G7D	9M29G7D	9M28D7W	9M28D7W	9M29D7W
	n25 (Channel Bandwidth 15MHz)	14M0G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
	n25 (Channel Bandwidth 20MHz)	18M7G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W

LTE Band

Modulation Type	QPSK, 16QAM, 64QAM, 256QAM				
Operating Frequency	LTE Band 12 (Channel Bandwidth 1.4MHz)	699.7MHz ~ 715.3MHz			
	LTE Band 12 (Channel Bandwidth 3MHz)	700.5MHz ~ 714.5MHz			
	LTE Band 12 (Channel Bandwidth 5MHz)	701.5MHz ~ 713.5MHz			
	LTE Band 12 (Channel Bandwidth 10MHz)	704.0MHz ~ 711.0MHz			
	LTE Band 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			
Max. ERP Power (Internal Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 12 (Channel Bandwidth 1.4MHz)	251.189mW (24.00dBm)	177.828mW (22.50dBm)	162.181mW (22.10dBm)	112.202mW (20.50dBm)
	LTE Band 12 (Channel Bandwidth 3MHz)	229.087mW (23.60dBm)	177.828mW (22.50dBm)	154.882mW (21.90dBm)	112.202mW (20.50dBm)
	LTE Band 12 (Channel Bandwidth 5MHz)	208.930mW (23.20dBm)	173.780mW (22.40dBm)	151.356mW (21.80dBm)	107.152mW (20.30dBm)
	LTE Band 12 (Channel Bandwidth 10MHz)	263.027mW (24.20dBm)	186.209mW (22.70dBm)	169.824mW (22.30dBm)	120.226mW (20.80dBm)
Max. EIRP Power (Internal Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 66 (Channel Bandwidth 1.4MHz)	109.648mW (20.40dBm)	107.152mW (20.30dBm)	85.114mW (19.30dBm)	56.234mW (17.50dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	114.815mW (20.60dBm)	112.202mW (20.50dBm)	89.125mW (19.50dBm)	57.544mW (17.60dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	114.815mW (20.60dBm)	104.713mW (20.20dBm)	89.125mW (19.50dBm)	58.884mW (17.70dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	112.202mW (20.50dBm)	102.329mW (20.10dBm)	89.125mW (19.50dBm)	51.286mW (17.10dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	114.815mW (20.60dBm)	104.713mW (20.20dBm)	93.325mW (19.70dBm)	51.286mW (17.10dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	117.490mW (20.70dBm)	104.713mW (20.20dBm)	83.176mW (19.20dBm)	51.286mW (17.10dBm)

		QPSK	16QAM	64QAM	256QAM
Max. ERP Power (External Antenna)	LTE Band 12 (Channel Bandwidth 1.4MHz)	70.795mW (18.50dBm)	54.954mW (17.40dBm)	48.978mW (16.90dBm)	34.674mW (15.40dBm)
	LTE Band 12 (Channel Bandwidth 3MHz)	74.131mW (18.70dBm)	54.954mW (17.40dBm)	48.978mW (16.90dBm)	34.674mW (15.40dBm)
	LTE Band 12 (Channel Bandwidth 5MHz)	72.444mW (18.60dBm)	57.544mW (17.60dBm)	52.481mW (17.20dBm)	36.308mW (15.60dBm)
	LTE Band 12 (Channel Bandwidth 10MHz)	74.131mW (18.70dBm)	56.234mW (17.50dBm)	53.703mW (17.30dBm)	36.308mW (15.60dBm)
Max. EIRP Power (External Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 66 (Channel Bandwidth 1.4MHz)	112.202mW (20.50dBm)	83.176mW (19.20dBm)	72.444mW (18.60dBm)	52.481mW (17.20dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	120.226mW (20.80dBm)	83.176mW (19.20dBm)	72.444mW (18.60dBm)	52.481mW (17.20dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	114.815mW (20.60dBm)	83.176mW (19.20dBm)	74.131mW (18.70dBm)	52.481mW (17.20dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	117.490mW (20.70dBm)	83.176mW (19.20dBm)	75.858mW (18.80dBm)	52.481mW (17.20dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	114.815mW (20.60dBm)	87.096mW (19.40dBm)	74.131mW (18.70dBm)	52.481mW (17.20dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	120.226mW (20.80dBm)	85.114mW (19.30dBm)	75.858mW (18.80dBm)	52.481mW (17.20dBm)
Emission Designator		QPSK	16QAM	64QAM	256QAM
	LTE Band 12 (Channel Bandwidth 1.4MHz)	1M09G7D	1M09G7D	1M09D7W	1M09D7W
	LTE Band 12 (Channel Bandwidth 3MHz)	2M70G7D	2M69G7D	2M70D7W	2M70D7W
	LTE Band 12 (Channel Bandwidth 5MHz)	4M49G7D	4M49G7D	4M49D7W	4M49D7W
	LTE Band 12 (Channel Bandwidth 10MHz)	8M96G7D	8M96G7D	8M97D7W	8M96D7W
	LTE Band 66 (Channel Bandwidth 1.4MHz)	1M09G7D	1M09G7D	1M09D7W	1M09D7W
	LTE Band 66 (Channel Bandwidth 3MHz)	2M70G7D	2M70G7D	2M69D7W	2M70D7W
	LTE Band 66 (Channel Bandwidth 5MHz)	4M49G7D	4M49G7D	4M50D7W	4M49D7W
	LTE Band 66 (Channel Bandwidth 10MHz)	8M96G7D	8M96G7D	8M96D7W	8M95D7W
	LTE Band 66 (Channel Bandwidth 15MHz)	13M5G7D	13M5G7D	13M4D7W	13M5D7W
	LTE Band 66 (Channel Bandwidth 20MHz)	17M9G7D	18M0G7D	18M0D7W	18M0D7W
Antenna Type	Refer to Note				
Antenna Connector	Refer to Note				
Accessory Device	Adapter x1, battery x1				
Cable Supplied	1m shielded USB cable without core (Brand: NIENYI, model: NYS2371-1)				

Output Power / Emission Designator	n25 + LTE Band 12 (Internal Antenna)	MAX Power	Maximum EIRP	Sum Bandwidth
		n25	245.471mW (23.90dBm)	27M7G7D
		LTE Band 12 (ERP)	263.027mW (24.20dBm)	
		MAX Bandwidth	EIRP	MAX Sum Bandwidth
		n25	165.959mW (22.20dBm)	27M9D7W
		LTE Band 12 (ERP)	169.824mW (22.30dBm)	
	n25 + LTE Band 12 (External Antenna)	MAX Power	Maximum EIRP	Sum Bandwidth
		n25	173.780mW (22.40dBm)	27M7G7D
		LTE Band 12 (ERP)	74.131mW (18.70dBm)	
		MAX Bandwidth	EIRP	MAX Sum Bandwidth
		n25	125.893mW (21.00dBm)	27M9G7D
		LTE Band 12 (ERP)	53.703mW (17.30dBm)	
	n25 + LTE Band 66 (Internal Antenna)	MAX Power	Maximum EIRP	Sum Bandwidth
		n25	245.471mW (23.90dBm)	36M6G7D
		LTE Band 66 (EIRP)	117.490mW (20.70dBm)	
		MAX Bandwidth	EIRP	MAX Sum Bandwidth
		n25	165.959mW (22.20dBm)	36M9G7D
		LTE Band 66 (EIRP)	104.713mW (20.20dBm)	
	n25 + LTE Band 66 (External Antenna)	MAX Power	Maximum EIRP	Sum Bandwidth
		n25	173.780mW (22.40dBm)	36M6G7D
		LTE Band 66 (EIRP)	120.226mW (20.80dBm)	
		MAX Bandwidth	EIRP	MAX Sum Bandwidth
		n25	125.893mW (21.00dBm)	36M9G7D
		LTE Band 66 (EIRP)	85.114mW (19.30dBm)	

Note:

1. The EUT uses following adapter and battery.

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

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

2. The following antennas were provided to the EUT.

Internal Antenna

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

External Antenna

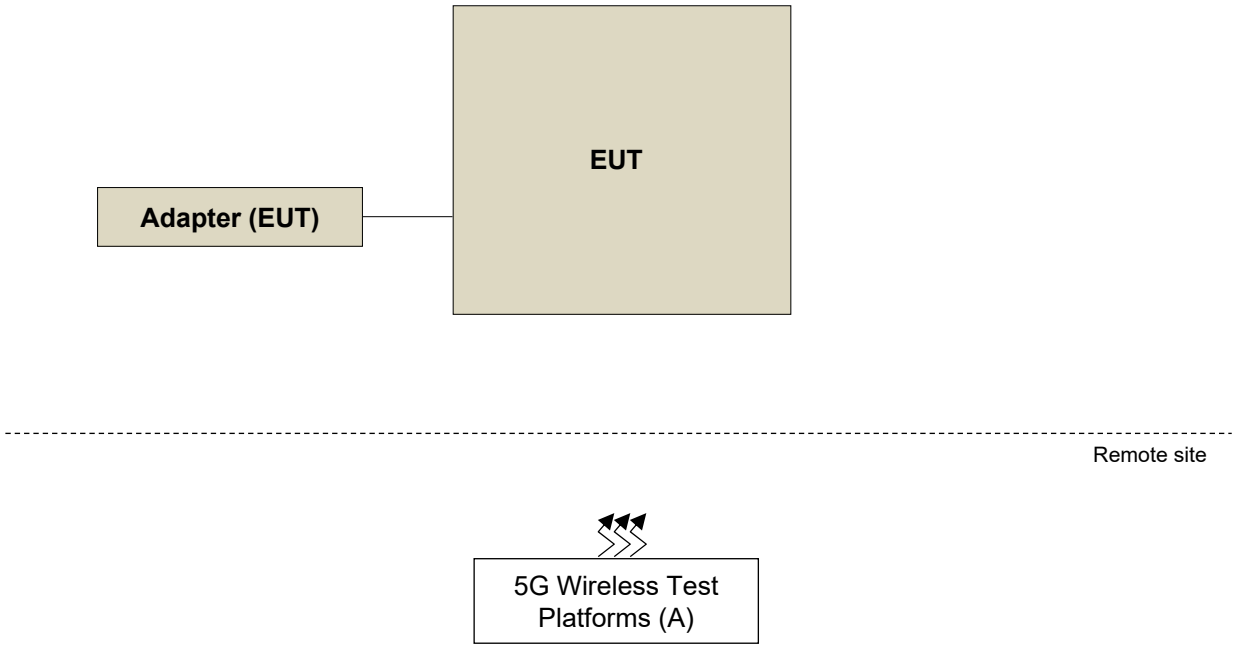
No.	Type	Connector	Gain (dBi)												
			B2	B4	B5	B7	B12	B13	B17	B25	B30	B38	B41	B66	B71
1	Monopole	TS-9 plugs	0.48	0.48	0.54	0.24	0.54	0.54	0.54	0.48	0.24	0.24	0.24	0.48	0.54
2	Monopole	TS-9 plugs	0.25	0.25	0.48	0.28	0.48	0.48	0.48	0.25	0.28	0.28	0.28	0.25	0.48

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

3. The EUT supports the following ENDC configuration.

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

3.2 Configuration of System under Test



3.2.1 Description of Support Units

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	5G Wireless Test Platforms	Keysight	E7515B	MY58300759	NA	-

Note:

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

3.3 Test Mode Applicability and Tested Channel Detail

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

Band	ERP/EIRP		Radiated Emission	
	Internal Antenna	External Antenna	Internal Antenna	External Antenna
n25	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 12	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 66	Z-plane	Z-plane	Z-plane	Z-plane

n25

EUT Configure Mode	Test item	Available channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	370500 to 382500	370500 (1852.5MHz), 376500 (1882.5MHz), 382500 (1912.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		371000 to 382000	371000 (1855.0MHz), 376500 (1882.5MHz), 382000 (1910.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		371500 to 381500	371500 (1857.5MHz), 376500 (1882.5MHz), 381500 (1907.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		372000 to 379000	372000 (1860.0MHz), 376500 (1882.5MHz), 379000 (1905.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Modulation Characteristics	372000 to 379000	376500 (1882.5MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	106 RB / 0 RB Offset
-	Frequency Stability	370500 to 382500	370500 (1852.5MHz), 382500 (1912.5MHz)	5MHz	$\pi/2$ BPSK	25 RB / 0 RB Offset
		371000 to 382000	371000 (1855.0MHz), 382000 (1910.0MHz)	10MHz	$\pi/2$ BPSK	52 RB / 0 RB Offset
		371500 to 381500	371500 (1857.5MHz), 381500 (1907.5MHz)	15MHz	$\pi/2$ BPSK	79 RB / 0 RB Offset
		372000 to 379000	372000 (1860.0MHz), 379000 (1905.0MHz)	20MHz	$\pi/2$ BPSK	106 RB / 0 RB Offset
-	Occupied Bandwidth	370500 to 382500	370500 (1852.5MHz), 376500 (1882.5MHz), 382500 (1912.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		371000 to 382000	371000 (1855.0MHz), 376500 (1882.5MHz), 382000 (1910.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	52 RB / 0 RB Offset
		371500 to 381500	371500 (1857.5MHz), 376500 (1882.5MHz), 381500 (1907.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	79 RB / 0 RB Offset
		372000 to 379000	372000 (1860.0MHz), 376500 (1882.5MHz), 379000 (1905.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	106 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Band Edge	370500 to 382500	370500 (1852.5MHz), 382500 (1912.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		371000 to 382000	371000 (1855.0MHz), 382000 (1910.0MHz)	10MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 51 RB Offset 52 RB / 0 RB Offset
		371500 to 381500	371500 (1857.5MHz), 381500 (1907.5MHz)	15MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 78 RB Offset 79 RB / 0 RB Offset
		372000 to 379000	372000 (1860.0MHz), 379000 (1905.0MHz)	20MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 105 RB Offset 106 RB / 0 RB Offset
-	Peak to Average Ratio	370500 to 382500	370500 (1852.5MHz), 376500 (1882.5MHz), 382500 (1912.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		371000 to 382000	371000 (1855.0MHz), 376500 (1882.5MHz), 382000 (1910.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		371500 to 381500	371500 (1857.5MHz), 376500 (1882.5MHz), 381500 (1907.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		372000 to 379000	372000 (1860.0MHz), 376500 (1882.5MHz), 379000 (1905.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Conducted Emission	370500 to 382500	370500 (1852.5MHz), 376500 (1882.5MHz), 382500 (1912.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		371000 to 382000	371000 (1855.0MHz), 376500 (1882.5MHz), 382000 (1910.0MHz)	10MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		371500 to 381500	371500 (1857.5MHz), 376500 (1882.5MHz), 381500 (1907.5MHz)	15MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		372000 to 379000	372000 (1860.0MHz), 376500 (1882.5MHz), 379000 (1905.0MHz)	20MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
-	Radiated Emission Below 1GHz	372000 to 379000	376500 (1882.5MHz)	20MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
-	Radiated Emission Above 1GHz	370500 to 382500	370500 (1852.5MHz), 376500 (1882.5MHz), 382500 (1912.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		372000 to 379000	372000 (1860.0MHz), 376500 (1882.5MHz), 379000 (1905.0MHz)	20MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset

Note:

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

LTE Band 12

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

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

Note:

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

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

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

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

Note:

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

Test Condition:

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

3.4 EUT Operating Conditions

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

3.5 General Description of Applied Standards and References

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

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 n25:
Mobile / Portable station are limited to 2 watts e.i.r.p.

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

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.

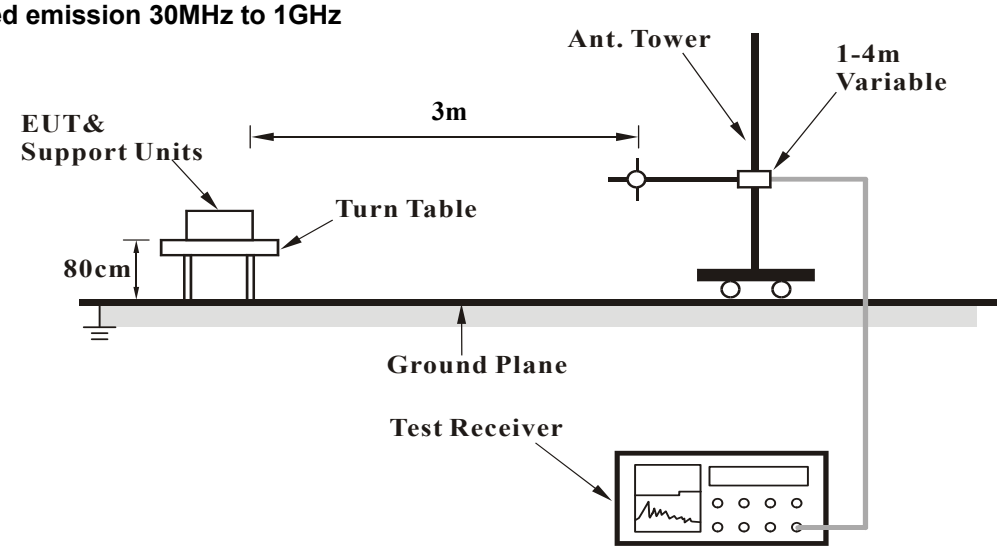
Conducted Power Measurement:

The EUT was set up for the maximum power with 5GNR link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

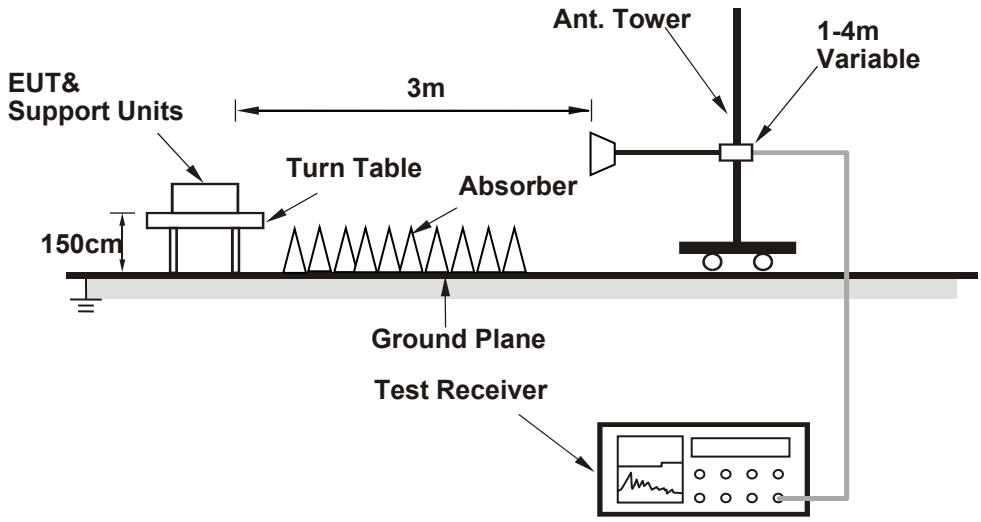
4.1.3 Test Setup

EIRP / ERP Measurement:

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



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

Conducted Power Measurement:

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

4.1.4 Test Results

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

Conducted Output Power (dBm)

NR Band 25						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376500	381000
		Frequency (MHz)		1860	1882.5	1905
20M	$\pi/2$ BPSK	1	1	23.64	23.04	23.34
		1	53	23.27	22.67	22.97
		1	104	23.20	22.60	22.90
		50	0	22.39	21.79	22.09
		50	25	22.85	22.25	22.55
		50	53	23.19	22.79	22.79
		100	0	23.23	22.63	22.93
	QPSK	1	1	23.68	23.08	23.38
		1	53	23.32	22.72	23.02
		1	104	23.45	22.85	23.15
		50	0	22.39	21.79	22.09
		50	25	23.24	22.64	22.94
		50	53	22.94	22.34	22.64
		100	0	22.98	22.38	22.68
	16QAM	1	1	22.95	22.35	22.65
	64QAM	1	1	21.45	21.10	21.40
	256QAM	1	1	19.48	19.18	19.48
BW	MCS Index	Channel		371500	376500	381500
		Frequency (MHz)		1857.5	1882.5	1907.5
15M	$\pi/2$ BPSK	1	1	23.62	23.02	23.32
		1	40	23.25	22.65	22.95
		1	77	23.18	22.58	22.88
		36	0	22.37	21.77	22.07
		36	18	22.83	22.23	22.53
		36	40	23.10	22.50	22.85
		75	0	23.21	22.61	22.91
	QPSK	1	1	23.66	23.06	23.36
		1	40	23.30	22.70	23.00
		1	77	23.43	22.83	23.13
		36	0	22.37	21.77	22.07
		36	18	23.22	22.62	22.92
		36	40	22.92	22.32	22.62
		75	0	22.96	22.36	22.66
	16QAM	1	1	22.93	22.33	22.63
	64QAM	1	1	21.43	21.08	21.38
	256QAM	1	1	19.46	19.16	19.46

NR Band 25						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371000	376500	382000
		Frequency (MHz)		1855	1882.5	1910
10M	$\pi/2$ BPSK	1	1	23.61	23.01	23.31
		1	26	23.24	22.64	22.94
		1	50	23.17	22.57	22.87
		25	0	22.36	21.76	22.06
		25	12	22.82	22.22	22.52
		25	26	23.05	22.49	22.79
		50	0	23.20	22.60	22.90
	QPSK	1	1	23.65	23.05	23.35
		1	26	23.29	22.69	22.99
		1	50	23.42	22.82	23.12
		25	0	22.36	21.76	22.06
		25	12	23.21	22.61	22.91
		25	26	22.91	22.31	22.61
		50	0	22.95	22.35	22.65
	16QAM	1	1	22.92	22.32	22.62
	64QAM	1	1	21.42	21.07	21.37
	256QAM	1	1	19.45	19.15	19.45
BW	MCS Index	Channel		370500	376500	382500
		Frequency (MHz)		1852.5	1882.5	1912.5
5M	$\pi/2$ BPSK	1	1	23.60	23.00	23.30
		1	13	23.23	22.63	22.93
		1	23	23.16	22.56	22.86
		12	0	22.35	21.75	22.05
		12	6	22.81	22.21	22.51
		12	13	23.10	22.48	22.88
		25	0	23.19	22.59	22.89
	QPSK	1	1	23.64	23.04	23.34
		1	13	23.28	22.68	22.98
		1	23	23.41	22.81	23.11
		12	0	22.35	21.75	22.05
		12	6	23.20	22.60	22.90
		12	13	22.90	22.30	22.60
		25	0	22.94	22.34	22.64
	16QAM	1	1	22.91	22.31	22.61
	64QAM	1	1	21.41	21.06	21.36
	256QAM	1	1	19.44	19.14	19.44

LTE Band 12						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23060	23095	23130
		Frequency (MHz)		704	707.5	711
10M	QPSK	1	0	22.45	22.71	22.22
		1	24	22.31	22.59	22.11
		1	49	22.26	22.52	22.02
		25	0	21.31	21.51	21.03
		25	12	21.13	21.39	20.90
		25	25	21.05	21.22	20.78
		50	0	21.33	21.57	21.07
	16QAM	1	0	21.22	21.53	21.01
		1	24	21.28	21.52	21.03
		1	49	21.21	21.45	21.00
		25	0	20.09	20.30	19.81
		25	12	20.11	20.34	19.85
		25	25	20.03	20.18	19.75
		50	0	20.28	20.50	20.03
	64QAM	1	0	20.18	20.48	20.00
		1	24	20.27	20.51	19.98
		1	49	20.15	20.43	19.94
		25	0	19.02	19.22	18.74
		25	12	19.07	19.32	18.80
		25	25	19.00	19.13	18.69
		50	0	19.21	19.45	18.98
	256QAM	1	0	19.11	19.43	18.94
		1	24	19.19	19.44	18.90
		1	49	19.06	19.35	18.90
		25	0	17.96	18.18	17.67
		25	12	18.05	18.25	17.72
		25	25	17.98	18.07	17.60
		50	0	18.17	18.36	17.90

LTE Band 12						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23035	23095	23155
		Frequency (MHz)		701.5	707.5	713.5
5M	QPSK	1	0	22.41	22.62	22.14
		1	12	22.31	22.54	21.96
		1	24	22.05	22.48	21.89
		12	0	21.27	21.52	20.98
		12	6	21.01	21.41	20.80
		12	13	20.95	21.26	20.70
		25	0	21.28	21.44	21.05
	16QAM	1	0	21.12	21.43	20.99
		1	12	21.25	21.47	20.91
		1	24	21.00	21.44	20.87
		12	0	20.08	20.47	19.97
		12	6	19.99	20.35	19.79
		12	13	19.93	20.20	19.68
		25	0	20.26	20.36	19.97
	64QAM	1	0	20.10	20.37	19.95
		1	12	20.24	20.45	19.85
		1	24	19.95	20.42	19.84
		12	0	19.03	19.43	18.88
		12	6	18.98	19.26	18.72
		12	13	18.85	19.17	18.59
		25	0	19.21	19.28	18.88
	256QAM	1	0	19.03	19.30	18.93
		1	12	19.18	19.40	18.81
		1	24	18.90	19.33	18.77
		12	0	18.02	18.42	17.79
		12	6	17.91	18.17	17.70
		12	13	17.84	18.12	17.50
		25	0	18.14	18.25	17.85

LTE Band 12						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23025	23095	23165
		Frequency (MHz)		700.5	707.5	714.5
3M	QPSK	1	0	22.34	22.59	22.16
		1	7	22.21	22.46	21.93
		1	14	22.05	22.22	21.76
		8	0	21.17	21.42	20.94
		8	3	21.05	21.26	20.74
		8	7	21.01	21.22	20.67
		15	0	21.21	21.48	20.97
	16QAM	1	0	20.97	21.26	20.85
		1	7	21.12	21.41	20.88
		1	14	21.00	21.21	20.75
		8	0	20.01	20.26	19.86
		8	3	20.01	20.21	19.71
		8	7	19.95	20.21	19.64
		15	0	20.15	20.40	19.95
	64QAM	1	0	19.97	20.25	19.82
		1	7	20.10	20.35	19.80
		1	14	19.94	20.14	19.67
		8	0	18.99	19.22	18.79
		8	3	18.93	19.19	18.69
		8	7	18.90	19.12	18.63
		15	0	19.07	19.32	18.90
	256QAM	1	0	18.94	19.17	18.79
		1	7	19.09	19.31	18.71
		1	14	18.93	19.07	18.66
		8	0	17.97	18.20	17.72
		8	3	17.90	18.18	17.67
		8	7	17.86	18.04	17.57
		15	0	17.99	18.28	17.81

LTE Band 12						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		23017	23095	23173
		Frequency (MHz)		699.7	707.5	715.3
1.4M	QPSK	1	0	22.26	22.52	22.06
		1	2	22.17	22.39	21.92
		1	5	21.92	22.29	21.80
		3	0	22.27	22.53	22.05
		3	1	22.17	22.39	21.88
		3	3	21.96	22.28	21.77
		6	0	21.20	21.36	20.81
	16QAM	1	0	21.17	21.49	21.00
		1	2	21.16	21.36	20.91
		1	5	20.88	21.28	20.73
		3	0	21.23	21.45	21.04
		3	1	21.16	21.34	20.85
		3	3	20.92	21.24	20.74
		6	0	20.17	20.29	19.72
	64QAM	1	0	20.12	20.40	19.92
		1	2	20.10	20.30	19.84
		1	5	19.84	20.24	19.71
		3	0	20.19	20.40	19.97
		3	1	20.08	20.29	19.78
		3	3	19.83	20.15	19.73
		6	0	19.14	19.26	18.66
	256QAM	1	0	19.04	19.35	18.83
		1	2	19.03	19.27	18.75
		1	5	18.80	19.15	18.66
		3	0	19.14	19.36	18.88
		3	1	18.99	19.27	18.72
		3	3	18.82	19.12	18.72
		6	0	18.13	18.22	17.64

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132072	132322	132572
		Frequency (MHz)		1720	1745	1770
20M	QPSK	1	0	22.34	22.71	22.45
		1	50	22.25	22.62	22.32
		1	99	22.08	22.46	22.09
		50	0	21.20	21.60	21.32
		50	25	21.02	21.43	21.12
		50	50	20.88	21.29	20.98
		100	0	21.23	21.50	21.25
	16QAM	1	0	21.31	21.62	21.38
		1	50	21.22	21.60	21.26
		1	99	21.07	21.40	21.01
		50	0	20.08	20.58	20.24
		50	25	20.00	20.36	20.07
		50	50	19.83	20.20	19.89
		100	0	20.20	20.42	20.18
	64QAM	1	0	20.29	20.55	20.32
		1	50	20.14	20.58	20.24
		1	99	20.03	20.37	19.93
		50	0	19.05	19.50	19.20
		50	25	18.92	19.33	19.02
		50	50	18.76	19.14	18.84
		100	0	19.13	19.40	19.17
	256QAM	1	0	19.25	19.46	19.26
		1	50	19.12	19.51	19.15
		1	99	18.99	19.34	18.88
		50	0	17.99	18.45	18.16
		50	25	17.87	18.32	17.94
		50	50	17.69	18.10	17.79
		100	0	18.07	18.36	18.15

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132047	132322	132597
		Frequency (MHz)		1717.5	1745	1772.5
15M	QPSK	1	0	22.26	22.67	22.42
		1	37	22.18	22.49	22.24
		1	74	21.94	22.32	22.10
		36	0	21.16	21.51	21.25
		36	19	20.95	21.36	21.02
		36	39	20.87	21.25	20.95
		75	0	21.12	21.58	21.26
	16QAM	1	0	21.17	21.56	21.23
		1	37	21.13	21.40	21.18
		1	74	20.85	21.30	21.02
		36	0	19.94	20.39	20.18
		36	19	19.91	20.33	19.94
		36	39	19.82	20.24	19.91
		75	0	20.06	20.50	20.19
	64QAM	1	0	20.16	20.50	20.22
		1	37	20.09	20.38	20.09
		1	74	19.84	20.27	19.96
		36	0	18.86	19.37	19.11
		36	19	18.82	19.32	18.90
		36	39	18.79	19.19	18.87
		75	0	19.01	19.44	19.18
	256QAM	1	0	19.13	19.42	19.17
		1	37	19.02	19.32	19.01
		1	74	18.82	19.21	18.90
		36	0	17.78	18.29	18.07
		36	19	17.80	18.26	17.86
		36	39	17.75	18.16	17.80
		75	0	17.97	18.43	18.12

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		132022	132322	132622
		Frequency (MHz)		1715	1745	1775
10M	QPSK	1	0	22.21	22.63	22.36
		1	24	22.11	22.46	22.23
		1	49	21.94	22.32	21.98
		25	0	21.09	21.49	21.20
		25	12	20.92	21.28	21.01
		25	25	20.86	21.22	20.97
		50	0	21.06	21.48	21.16
	16QAM	1	0	21.04	21.37	21.14
		1	24	21.10	21.43	21.14
		1	49	20.92	21.31	20.94
		25	0	19.98	20.41	20.03
		25	12	19.83	20.26	20.00
		25	25	19.85	20.14	19.88
		50	0	20.03	20.39	20.12
	64QAM	1	0	20.04	20.33	20.13
		1	24	20.09	20.34	20.05
		1	49	19.86	20.29	19.92
		25	0	18.95	19.40	18.99
		25	12	18.79	19.18	18.92
		25	25	18.81	19.08	18.80
		50	0	18.95	19.38	19.10
	256QAM	1	0	19.04	19.30	19.05
		1	24	19.08	19.32	19.02
		1	49	18.80	19.24	18.87
		25	0	17.88	18.34	17.91
		25	12	17.74	18.15	17.90
		25	25	17.77	18.05	17.78
		50	0	17.91	18.35	18.01

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131997	132322	132647
		Frequency (MHz)		1712.5	1745	1777.5
5M	QPSK	1	0	22.15	22.49	22.32
		1	12	22.02	22.42	22.15
		1	24	21.88	22.18	22.06
		12	0	21.06	21.39	21.18
		12	6	20.88	21.22	21.01
		12	13	20.83	21.09	20.83
		25	0	21.04	21.49	21.19
	16QAM	1	0	20.94	21.30	20.95
		1	12	20.99	21.38	21.07
		1	24	20.84	21.14	20.98
		12	0	20.05	20.25	20.03
		12	6	19.87	20.13	19.97
		12	13	19.77	20.00	19.79
		25	0	19.95	20.42	20.13
	64QAM	1	0	19.87	20.24	19.89
		1	12	19.90	20.30	20.05
		1	24	19.78	20.11	19.95
		12	0	19.01	19.19	19.02
		12	6	18.84	19.09	18.92
		12	13	18.69	18.96	18.70
		25	0	18.90	19.34	19.05
	256QAM	1	0	18.87	19.20	18.82
		1	12	18.85	19.28	19.04
		1	24	18.73	19.10	18.87
		12	0	17.95	18.10	17.96
		12	6	17.78	18.07	17.87
		12	13	17.66	17.90	17.64
		25	0	17.87	18.27	17.96

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131987	132322	132657
		Frequency (MHz)		1711.5	1745	1778.5
3M	QPSK	1	0	22.14	22.49	22.25
		1	7	22.10	22.36	22.17
		1	14	21.77	22.14	21.83
		8	0	21.07	21.38	21.17
		8	3	20.84	21.17	20.95
		8	7	20.83	21.08	20.83
		15	0	20.95	21.36	21.05
	16QAM	1	0	20.83	21.12	20.88
		1	7	21.01	21.27	21.16
		1	14	20.71	21.06	20.79
		8	0	20.05	20.20	19.99
		8	3	19.79	20.13	19.92
		8	7	19.78	20.00	19.80
		15	0	19.94	20.35	19.96
	64QAM	1	0	19.81	20.07	19.84
		1	7	19.94	20.21	20.13
		1	14	19.67	20.04	19.75
		8	0	19.03	19.16	18.97
		8	3	18.74	19.06	18.89
		8	7	18.77	18.96	18.71
		15	0	18.91	19.29	18.87
	256QAM	1	0	18.79	19.00	18.79
		1	7	18.92	19.20	19.08
		1	14	18.59	19.01	18.67
		8	0	18.02	18.09	17.96
		8	3	17.72	18.02	17.86
		8	7	17.70	17.87	17.65
		15	0	17.87	18.24	17.83

LTE Band 66						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		131979	132322	132665
		Frequency (MHz)		1710.7	1745	1779.3
1.4M	QPSK	1	0	22.11	22.36	22.22
		1	2	21.96	22.31	22.09
		1	5	21.88	22.07	21.84
		3	0	22.12	22.36	22.17
		3	1	21.95	22.31	22.08
		3	3	21.85	22.09	21.85
		6	0	20.86	21.36	20.98
	16QAM	1	0	21.04	21.34	21.13
		1	2	20.95	21.30	21.02
		1	5	20.85	21.00	20.79
		3	0	21.06	21.34	21.10
		3	1	20.87	21.29	21.00
		3	3	20.80	21.00	20.83
		6	0	19.79	20.30	19.95
	64QAM	1	0	19.99	20.32	20.11
		1	2	19.88	20.29	20.00
		1	5	19.76	19.94	19.74
		3	0	19.98	20.29	20.08
		3	1	19.85	20.24	19.97
		3	3	19.78	19.92	19.75
		6	0	18.68	19.25	18.88
	256QAM	1	0	18.90	19.25	19.06
		1	2	18.81	19.27	18.91
		1	5	18.69	18.91	18.66
		3	0	18.95	19.20	19.06
		3	1	18.84	19.16	18.91
		3	3	18.75	18.84	18.73
		6	0	17.61	18.21	17.82

EIRP / ERP Power (dBm)

Internal Antenna

Modulation Type: $\pi/2$ BPSK

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	21.60	33.00	-11.40	2.30 H	25	87.43	-65.83
2	1882.50	21.00	33.00	-12.00	2.33 H	29	86.63	-65.63
3	1912.50	21.50	33.00	-11.50	2.27 H	21	86.97	-65.47
Antenna Polarity & Test Distance: Vertical at 3 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	23.40	33.00	-9.60	1.30 V	155	89.23	-65.83
2	1882.50	23.00	33.00	-10.00	1.31 V	154	88.63	-65.63
3	1912.50	23.10	33.00	-9.90	1.27 V	151	88.57	-65.47

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	21.70	33.00	-11.30	2.41 H	20	87.51	-65.81
2	1882.50	21.80	33.00	-11.20	2.39 H	17	87.43	-65.63
3	1910.00	22.00	33.00	-11.00	2.31 H	23	87.48	-65.48
Antenna Polarity & Test Distance: Vertical at 3 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	23.30	33.00	-9.70	1.35 V	160	89.11	-65.81
2	1882.50	23.70	33.00	-9.30	1.39 V	155	89.33	-65.63
3	1910.00	23.00	33.00	-10.00	1.29 V	159	88.48	-65.48

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	21.50	33.00	-11.50	2.22 H	20	87.30	-65.80
2	1882.50	21.50	33.00	-11.50	2.30 H	15	87.13	-65.63
3	1907.50	21.60	33.00	-11.40	2.30 H	25	87.09	-65.49
Antenna Polarity & Test Distance: Vertical at 3 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	23.20	33.00	-9.80	1.19 V	160	89.00	-65.80
2	1882.50	22.90	33.00	-10.10	1.31 V	157	88.53	-65.63
3	1907.50	23.30	33.00	-9.70	1.31 V	159	88.79	-65.49

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	22.20	33.00	-10.80	2.35 H	22	87.98	-65.78
2	1882.50	22.30	33.00	-10.70	2.33 H	27	87.93	-65.63
3	1905.00	22.00	33.00	-11.00	2.21 H	20	87.49	-65.49
Antenna Polarity & Test Distance: Vertical at 3 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	23.10	33.00	-9.90	1.30 V	160	88.88	-65.78
2	1882.50	23.90	33.00	-9.10	1.37 V	159	89.53	-65.63
3	1905.00	23.00	33.00	-10.00	1.27 V	151	88.49	-65.49

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	20.50	33.00	-12.50	2.29 H	24	86.40	-65.90
2	1882.50	20.00	33.00	-13.00	2.31 H	24	85.60	-65.60
3	1912.50	20.60	33.00	-12.40	2.28 H	20	86.10	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	22.20	33.00	-10.80	1.27 V	153	88.10	-65.90
2	1882.50	21.80	33.00	-11.20	1.26 V	152	87.40	-65.60
3	1912.50	22.00	33.00	-11.00	1.26 V	154	87.50	-65.50

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	20.50	33.00	-12.50	2.33 H	18	86.40	-65.90
2	1882.50	20.60	33.00	-12.40	2.31 H	19	86.20	-65.60
3	1910.00	20.70	33.00	-12.30	2.28 H	18	86.20	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	22.10	33.00	-10.90	1.25 V	155	88.00	-65.90
2	1882.50	22.20	33.00	-10.80	1.30 V	154	87.80	-65.60
3	1910.00	21.90	33.00	-11.10	1.22 V	151	87.40	-65.50

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	20.00	33.00	-13.00	2.29 H	19	85.90	-65.90
2	1882.50	20.10	33.00	-12.90	2.34 H	17	85.70	-65.60
3	1907.50	20.20	33.00	-12.80	2.27 H	22	85.70	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	22.00	33.00	-11.00	1.20 V	150	87.90	-65.90
2	1882.50	21.90	33.00	-11.10	1.29 V	150	87.50	-65.60
3	1907.50	22.10	33.00	-10.90	1.30 V	154	87.60	-65.50

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	20.90	33.00	-12.10	2.34 H	17	86.70	-65.80
2	1882.50	20.90	33.00	-12.10	2.32 H	22	86.50	-65.60
3	1905.00	20.00	33.00	-13.00	2.24 H	24	85.50	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	21.90	33.00	-11.10	1.27 V	157	87.70	-65.80
2	1882.50	22.20	33.00	-10.80	1.23 V	157	87.80	-65.60
3	1905.00	22.00	33.00	-11.00	1.21 V	150	87.50	-65.50

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	19.40	33.00	-13.60	2.26 H	17	85.30	-65.90
2	1882.50	19.00	33.00	-14.00	2.34 H	19	84.60	-65.60
3	1912.50	19.60	33.00	-13.40	2.33 H	22	85.10	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	21.30	33.00	-11.70	1.22 V	156	87.20	-65.90
2	1882.50	20.80	33.00	-12.20	1.30 V	153	86.40	-65.60
3	1912.50	20.70	33.00	-12.30	1.30 V	151	86.20	-65.50

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	19.70	33.00	-13.30	2.31 H	20	85.60	-65.90
2	1882.50	19.40	33.00	-13.60	2.33 H	18	85.00	-65.60
3	1910.00	19.90	33.00	-13.10	2.31 H	17	85.40	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	21.00	33.00	-12.00	1.25 V	154	86.90	-65.90
2	1882.50	21.00	33.00	-12.00	1.23 V	155	86.60	-65.60
3	1910.00	20.70	33.00	-12.30	1.22 V	152	86.20	-65.50

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	18.80	33.00	-14.20	2.30 H	23	84.70	-65.90
2	1882.50	19.00	33.00	-14.00	2.29 H	19	84.60	-65.60
3	1907.50	19.00	33.00	-14.00	2.33 H	20	84.50	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	21.00	33.00	-12.00	1.20 V	155	86.90	-65.90
2	1882.50	20.80	33.00	-12.20	1.24 V	153	86.40	-65.60
3	1907.50	21.00	33.00	-12.00	1.30 V	156	86.50	-65.50

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	19.80	33.00	-13.20	2.27 H	17	85.60	-65.80
2	1882.50	19.90	33.00	-13.10	2.34 H	21	85.50	-65.60
3	1905.00	19.10	33.00	-13.90	2.30 H	18	84.60	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	20.80	33.00	-12.20	1.30 V	156	86.60	-65.80
2	1882.50	21.30	33.00	-11.70	1.30 V	157	86.90	-65.60
3	1905.00	20.70	33.00	-12.30	1.29 V	150	86.20	-65.50

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	19.00	33.00	-14.00	2.26 H	18	84.90	-65.90
2	1882.50	18.40	33.00	-14.60	2.32 H	17	84.00	-65.60
3	1912.50	19.20	33.00	-13.80	2.25 H	23	84.70	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	20.70	33.00	-12.30	1.21 V	151	86.60	-65.90
2	1882.50	20.30	33.00	-12.70	1.23 V	156	85.90	-65.60
3	1912.50	20.30	33.00	-12.70	1.23 V	151	85.80	-65.50

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	19.30	33.00	-13.70	2.32 H	20	85.20	-65.90
2	1882.50	18.90	33.00	-14.10	2.33 H	23	84.50	-65.60
3	1910.00	19.50	33.00	-13.50	2.32 H	17	85.00	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	20.60	33.00	-12.40	1.25 V	154	86.50	-65.90
2	1882.50	20.60	33.00	-12.40	1.28 V	152	86.20	-65.60
3	1910.00	20.30	33.00	-12.70	1.20 V	151	85.80	-65.50

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	18.30	33.00	-14.70	2.30 H	20	84.20	-65.90
2	1882.50	18.60	33.00	-14.40	2.26 H	23	84.20	-65.60
3	1907.50	18.50	33.00	-14.50	2.26 H	19	84.00	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	1.24 V	152	86.30	-65.90
2	1882.50	20.20	33.00	-12.80	1.21 V	157	85.80	-65.60
3	1907.50	20.40	33.00	-12.60	1.29 V	151	85.90	-65.50

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	2.30 H	19	85.20	-65.80
2	1882.50	19.30	33.00	-13.70	2.28 H	19	84.90	-65.60
3	1905.00	18.60	33.00	-14.40	2.24 H	18	84.10	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	20.20	33.00	-12.80	1.29 V	150	86.00	-65.80
2	1882.50	20.70	33.00	-12.30	1.26 V	150	86.30	-65.60
3	1905.00	20.20	33.00	-12.80	1.23 V	150	85.70	-65.50

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	2.24 H	19	83.50	-65.90
2	1882.50	17.00	33.00	-16.00	2.24 H	22	82.60	-65.60
3	1912.50	17.60	33.00	-15.40	2.29 H	22	83.10	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	19.10	33.00	-13.90	1.22 V	153	85.00	-65.90
2	1882.50	19.00	33.00	-14.00	1.29 V	151	84.60	-65.60
3	1912.50	18.70	33.00	-14.30	1.21 V	157	84.20	-65.50

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	17.90	33.00	-15.10	2.32 H	19	83.80	-65.90
2	1882.50	17.30	33.00	-15.70	2.27 H	24	82.90	-65.60
3	1910.00	18.00	33.00	-15.00	2.29 H	20	83.50	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	19.10	33.00	-13.90	1.30 V	156	85.00	-65.90
2	1882.50	19.20	33.00	-13.80	1.23 V	155	84.80	-65.60
3	1910.00	18.70	33.00	-14.30	1.26 V	152	84.20	-65.50

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	16.70	33.00	-16.30	2.33 H	21	82.60	-65.90
2	1882.50	17.10	33.00	-15.90	2.26 H	18	82.70	-65.60
3	1907.50	16.90	33.00	-16.10	2.29 H	20	82.40	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	18.90	33.00	-14.10	1.21 V	150	84.80	-65.90
2	1882.50	18.70	33.00	-14.30	1.29 V	152	84.30	-65.60
3	1907.50	18.80	33.00	-14.20	1.21 V	153	84.30	-65.50

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	2.30 H	21	83.70	-65.80
2	1882.50	17.90	33.00	-15.10	2.29 H	24	83.50	-65.60
3	1905.00	17.10	33.00	-15.90	2.33 H	24	82.60	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	18.60	33.00	-14.40	1.29 V	153	84.40	-65.80
2	1882.50	19.30	33.00	-13.70	1.21 V	157	84.90	-65.60
3	1905.00	18.80	33.00	-14.20	1.21 V	155	84.30	-65.50

Remarks:

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

Modulation Type: QPSK

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	23.40	34.77	-11.37	1.21 H	170	93.66	-70.26
2	707.50	24.00	34.77	-10.77	1.25 H	170	94.26	-70.26
3	715.30	23.20	34.77	-11.57	1.18 H	167	93.46	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	15.10	34.77	-19.67	1.28 V	339	85.36	-70.26
2	707.50	15.00	34.77	-19.77	1.33 V	341	85.26	-70.26
3	715.30	14.50	34.77	-20.27	1.35 V	342	84.76	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	23.60	34.77	-11.17	1.19 H	174	93.86	-70.26
2	707.50	23.20	34.77	-11.57	1.23 H	169	93.46	-70.26
3	714.50	23.30	34.77	-11.47	1.21 H	173	93.56	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	15.30	34.77	-19.47	1.35 V	343	85.56	-70.26
2	707.50	15.30	34.77	-19.47	1.35 V	342	85.56	-70.26
3	714.50	15.10	34.77	-19.67	1.33 V	342	85.36	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	23.20	34.77	-11.57	1.17 H	168	93.46	-70.26
2	707.50	23.10	34.77	-11.67	1.23 H	169	93.36	-70.26
3	713.50	23.20	34.77	-11.57	1.19 H	170	93.46	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	14.50	34.77	-20.27	1.34 V	340	84.76	-70.26
2	707.50	15.00	34.77	-19.77	1.34 V	341	85.26	-70.26
3	713.50	14.70	34.77	-20.07	1.30 V	341	84.96	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	23.40	34.77	-11.37	1.21 H	170	93.66	-70.26
2	707.50	23.40	34.77	-11.37	1.17 H	172	93.66	-70.26
3	711.00	24.20	34.77	-11.57	1.21 H	167	94.46	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	15.20	34.77	-19.57	1.31 V	337	85.46	-70.26
2	707.50	15.10	34.77	-19.67	1.33 V	338	85.36	-70.26
3	711.00	15.00	34.77	-19.77	1.31 V	337	85.26	-70.26

Remarks:

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

Modulation Type: 16QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	22.50	34.77	-12.27	1.15 H	173	92.76	-70.26
2	707.50	22.30	34.77	-12.47	1.22 H	168	92.56	-70.26
3	715.30	22.10	34.77	-12.67	1.18 H	171	92.36	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	14.20	34.77	-20.57	1.30 V	342	84.46	-70.26
2	707.50	13.90	34.77	-20.87	1.29 V	344	84.16	-70.26
3	715.30	13.30	34.77	-21.47	1.27 V	339	83.56	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	22.50	34.77	-12.27	1.25 H	174	92.76	-70.26
2	707.50	22.40	34.77	-12.37	1.18 H	170	92.66	-70.26
3	714.50	22.20	34.77	-12.57	1.17 H	170	92.46	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	14.30	34.77	-20.47	1.26 V	344	84.56	-70.26
2	707.50	14.50	34.77	-20.27	1.33 V	343	84.76	-70.26
3	714.50	14.00	34.77	-20.77	1.27 V	337	84.26	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	22.10	34.77	-12.67	1.21 H	171	92.36	-70.26
2	707.50	21.90	34.77	-12.87	1.19 H	167	92.16	-70.26
3	713.50	22.40	34.77	-12.37	1.23 H	170	92.66	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	13.70	34.77	-21.07	1.33 V	341	83.96	-70.26
2	707.50	14.00	34.77	-20.77	1.28 V	343	84.26	-70.26
3	713.50	13.60	34.77	-21.17	1.32 V	337	83.86	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	22.40	34.77	-12.37	1.22 H	167	92.66	-70.26
2	707.50	22.60	34.77	-12.17	1.18 H	171	92.86	-70.26
3	711.00	22.70	34.77	-12.07	1.21 H	167	92.96	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	14.30	34.77	-20.47	1.30 V	338	84.56	-70.26
2	707.50	14.00	34.77	-20.77	1.27 V	338	84.26	-70.26
3	711.00	14.20	34.77	-20.57	1.30 V	342	84.46	-70.26

Remarks:

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

Modulation Type: 64QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	22.10	34.77	-12.67	1.22 H	170	92.36	-70.26
2	707.50	21.70	34.77	-13.07	1.22 H	174	91.96	-70.26
3	715.30	21.70	34.77	-13.07	1.21 H	169	91.96	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	13.80	34.77	-20.97	1.35 V	340	84.06	-70.26
2	707.50	13.40	34.77	-21.37	1.32 V	337	83.66	-70.26
3	715.30	12.90	34.77	-21.87	1.30 V	340	83.16	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	21.90	34.77	-12.87	1.24 H	172	92.16	-70.26
2	707.50	21.80	34.77	-12.97	1.25 H	172	92.06	-70.26
3	714.50	21.60	34.77	-13.17	1.22 H	168	91.86	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	13.90	34.77	-20.87	1.27 V	344	84.16	-70.26
2	707.50	13.90	34.77	-20.87	1.27 V	338	84.16	-70.26
3	714.50	13.30	34.77	-21.47	1.35 V	337	83.56	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	21.70	34.77	-13.07	1.24 H	171	91.96	-70.26
2	707.50	21.40	34.77	-13.37	1.15 H	170	91.66	-70.26
3	713.50	21.80	34.77	-12.97	1.24 H	172	92.06	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	13.20	34.77	-21.57	1.33 V	339	83.46	-70.26
2	707.50	13.60	34.77	-21.17	1.30 V	340	83.86	-70.26
3	713.50	13.20	34.77	-21.57	1.33 V	340	83.46	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	21.80	34.77	-12.97	1.19 H	174	92.06	-70.26
2	707.50	22.10	34.77	-12.67	1.15 H	168	92.36	-70.26
3	711.00	22.30	34.77	-12.47	1.18 H	169	92.56	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	13.70	34.77	-21.07	1.25 V	342	83.96	-70.26
2	707.50	13.40	34.77	-21.37	1.31 V	340	83.66	-70.26
3	711.00	13.60	34.77	-21.17	1.29 V	339	83.86	-70.26

Remarks:

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

Modulation Type: 256QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	20.50	34.77	-14.27	1.21 H	170	90.76	-70.26
2	707.50	20.30	34.77	-14.47	1.20 H	173	90.56	-70.26
3	715.30	20.30	34.77	-14.47	1.17 H	168	90.56	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	12.30	34.77	-22.47	1.29 V	337	82.56	-70.26
2	707.50	12.10	34.77	-22.67	1.33 V	339	82.36	-70.26
3	715.30	12.00	34.77	-22.77	1.25 V	338	82.26	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	20.50	34.77	-14.27	1.22 H	168	90.76	-70.26
2	707.50	20.20	34.77	-14.57	1.25 H	173	90.46	-70.26
3	714.50	20.20	34.77	-14.57	1.15 H	167	90.46	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	12.30	34.77	-22.47	1.25 V	338	82.56	-70.26
2	707.50	12.50	34.77	-22.27	1.34 V	344	82.76	-70.26
3	714.50	12.30	34.77	-22.47	1.31 V	342	82.56	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	20.30	34.77	-14.47	1.24 H	171	90.56	-70.26
2	707.50	19.80	34.77	-14.97	1.17 H	169	90.06	-70.26
3	713.50	20.20	34.77	-14.57	1.25 H	171	90.46	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	11.60	34.77	-23.17	1.34 V	344	81.86	-70.26
2	707.50	12.20	34.77	-22.57	1.27 V	337	82.46	-70.26
3	713.50	11.50	34.77	-23.27	1.29 V	340	81.76	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	20.20	34.77	-14.57	1.17 H	173	90.46	-70.26
2	707.50	20.70	34.77	-14.07	1.19 H	168	90.96	-70.26
3	711.00	20.80	34.77	-13.97	1.15 H	172	91.06	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	12.10	34.77	-22.67	1.28 V	339	82.36	-70.26
2	707.50	11.80	34.77	-22.97	1.28 V	342	82.06	-70.26
3	711.00	12.10	34.77	-22.67	1.35 V	341	82.36	-70.26

Remarks:

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

Modulation Type: QPSK

LTE Band 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	19.70	30.00	-10.30	1.21 H	25	86.08	-66.38
2	1745.00	19.70	30.00	-10.30	1.23 H	20	85.98	-66.28
3	1779.30	19.50	30.00	-10.50	1.23 H	27	85.67	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	20.40	30.00	-9.60	3.33 V	303	86.78	-66.38
2	1745.00	20.10	30.00	-9.90	3.33 V	299	86.38	-66.28
3	1779.30	20.00	30.00	-10.00	3.23 V	293	86.17	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.20	30.00	-10.80	1.23 H	29	85.58	-66.38
2	1745.00	19.50	30.00	-10.50	1.19 H	20	85.78	-66.28
3	1778.50	19.20	30.00	-10.80	1.23 H	20	85.37	-66.17
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.00	30.00	-10.00	3.41 V	299	86.38	-66.38
2	1745.00	20.60	30.00	-9.40	3.39 V	299	86.88	-66.28
3	1778.50	20.30	30.00	-9.70	3.37 V	289	86.47	-66.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	19.30	30.00	-10.70	1.23 H	20	85.68	-66.38
2	1745.00	19.20	30.00	-10.80	1.25 H	23	85.48	-66.28
3	1777.50	19.50	30.00	-10.50	1.19 H	23	85.67	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	20.60	30.00	-9.40	3.21 V	295	86.98	-66.38
2	1745.00	20.50	30.00	-9.50	3.39 V	294	86.78	-66.28
3	1777.50	20.10	30.00	-9.90	3.30 V	293	86.27	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.00	30.00	-11.00	1.25 H	26	85.36	-66.36
2	1745.00	19.60	30.00	-10.40	1.19 H	23	85.88	-66.28
3	1775.00	19.80	30.00	-10.20	1.25 H	29	85.99	-66.19
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.10	30.00	-9.90	3.37 V	301	86.46	-66.36
2	1745.00	20.20	30.00	-9.80	3.29 V	291	86.48	-66.28
3	1775.00	20.50	30.00	-9.50	3.33 V	301	86.69	-66.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	19.10	30.00	-10.90	1.24 H	26	85.46	-66.36
2	1745.00	19.50	30.00	-10.50	1.22 H	26	85.78	-66.28
3	1772.50	19.30	30.00	-10.70	1.21 H	22	85.50	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.00	30.00	-10.00	3.26 V	301	86.36	-66.36
2	1745.00	20.60	30.00	-9.40	3.23 V	297	86.88	-66.28
3	1772.50	20.50	30.00	-9.50	3.24 V	296	86.70	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.80	30.00	-11.20	1.22 H	22	85.15	-66.35
2	1745.00	19.50	30.00	-10.50	1.28 H	21	85.78	-66.28
3	1770.00	19.00	30.00	-11.00	1.20 H	20	85.20	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.20	30.00	-9.80	3.35 V	299	86.60	-66.40
2	1745.00	20.70	30.00	-9.30	3.33 V	303	87.00	-66.30
3	1770.00	20.40	30.00	-9.60	3.42 V	305	86.70	-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	18.80	30.00	-11.20	1.24 H	19	85.18	-66.38
2	1745.00	19.10	30.00	-10.90	1.29 H	18	85.38	-66.28
3	1770.00	18.90	30.00	-11.10	1.26 H	21	85.10	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.90	30.00	-10.10	1.28 V	344	86.28	-66.38
2	1745.00	19.60	30.00	-10.40	1.32 V	337	85.88	-66.28
3	1770.00	20.30	30.00	-9.70	1.23 V	337	86.50	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.00	30.00	-11.00	1.21 H	25	85.38	-66.38
2	1745.00	19.20	30.00	-10.80	1.29 H	21	85.48	-66.28
3	1778.50	18.50	30.00	-11.50	1.29 H	23	84.67	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	19.70	30.00	-10.30	1.28 V	342	86.08	-66.38
2	1745.00	19.50	30.00	-10.50	1.33 V	343	85.78	-66.28
3	1778.50	20.50	30.00	-9.50	1.33 V	338	86.67	-66.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	19.10	30.00	-10.90	1.25 H	18	85.48	-66.38
2	1745.00	19.30	30.00	-10.70	1.22 H	20	85.58	-66.28
3	1777.50	19.00	30.00	-11.00	1.21 H	19	85.17	-66.17
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.80	30.00	-10.20	1.35 V	344	86.18	-66.38
2	1745.00	19.70	30.00	-10.30	1.27 V	344	85.98	-66.28
3	1777.50	20.20	30.00	-9.80	1.29 V	343	86.37	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.00	30.00	-11.00	1.22 H	20	85.36	-66.36
2	1745.00	19.10	30.00	-10.90	1.25 H	18	85.38	-66.28
3	1775.00	19.40	30.00	-10.60	1.29 H	22	85.59	-66.19
Antenna Polarity & Test Distance: Vertical at 3 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	19.80	30.00	-10.20	1.30 V	342	86.16	-66.36
2	1745.00	20.10	30.00	-9.90	1.27 V	341	86.38	-66.28
3	1775.00	20.00	30.00	-10.00	1.26 V	344	86.19	-66.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	19.20	30.00	-10.80	1.20 H	20	85.56	-66.36
2	1745.00	18.60	30.00	-11.40	1.22 H	18	84.88	-66.28
3	1772.50	18.50	30.00	-11.50	1.27 H	21	84.70	-66.20
Antenna Polarity & Test Distance: Vertical at 3 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	20.10	30.00	-9.90	1.33 V	344	86.46	-66.36
2	1745.00	19.60	30.00	-10.40	1.30 V	342	85.88	-66.28
3	1772.50	20.20	30.00	-9.80	1.32 V	339	86.40	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.90	30.00	-11.10	1.20 H	25	85.25	-66.35
2	1745.00	19.30	30.00	-10.70	1.27 H	19	85.58	-66.28
3	1770.00	18.70	30.00	-11.30	1.30 H	25	84.90	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.20	30.00	-9.80	1.29 V	343	86.55	-66.35
2	1745.00	20.00	30.00	-10.00	1.35 V	337	86.28	-66.28
3	1770.00	19.80	30.00	-10.20	1.34 V	344	86.00	-66.20

Remarks:

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

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.60	30.00	-11.40	1.26 H	24	84.98	-66.38
2	1745.00	18.60	30.00	-11.40	1.21 H	25	84.88	-66.28
3	1779.30	18.80	30.00	-11.20	1.24 H	26	84.97	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	19.30	30.00	-10.70	3.23 V	297	85.68	-66.38
2	1745.00	19.00	30.00	-11.00	3.24 V	302	85.28	-66.28
3	1779.30	19.30	30.00	-10.70	3.19 V	303	85.47	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.00	30.00	-12.00	1.24 H	21	84.38	-66.38
2	1745.00	18.30	30.00	-11.70	1.22 H	27	84.58	-66.28
3	1778.50	18.60	30.00	-11.40	1.20 H	20	84.77	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	19.20	30.00	-10.80	3.25 V	297	85.58	-66.38
2	1745.00	19.50	30.00	-10.50	3.22 V	300	85.78	-66.28
3	1778.50	19.50	30.00	-10.50	3.24 V	299	85.67	-66.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	18.40	30.00	-11.60	1.22 H	27	84.78	-66.38
2	1745.00	18.40	30.00	-11.60	1.18 H	25	84.68	-66.28
3	1777.50	18.30	30.00	-11.70	1.22 H	21	84.47	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	19.40	30.00	-10.60	3.26 V	302	85.78	-66.38
2	1745.00	19.50	30.00	-10.50	3.27 V	297	85.78	-66.28
3	1777.50	19.30	30.00	-10.70	3.22 V	301	85.47	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.80	30.00	-12.20	1.24 H	25	84.16	-66.36
2	1745.00	18.60	30.00	-11.40	1.22 H	25	84.88	-66.28
3	1775.00	18.90	30.00	-11.10	1.21 H	27	85.09	-66.19
Antenna Polarity & Test Distance: Vertical at 3 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	19.00	30.00	-11.00	3.27 V	298	85.36	-66.36
2	1745.00	18.80	30.00	-11.20	3.28 V	297	85.08	-66.28
3	1775.00	19.50	30.00	-10.50	3.25 V	289	85.69	-66.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	18.00	30.00	-12.00	1.28 H	20	84.36	-66.36
2	1745.00	18.80	30.00	-11.20	1.28 H	20	85.08	-66.28
3	1772.50	18.30	30.00	-11.70	1.21 H	27	84.50	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.30	30.00	-10.70	3.18 V	298	85.66	-66.36
2	1745.00	19.70	30.00	-10.30	3.25 V	302	85.98	-66.28
3	1772.50	19.70	30.00	-10.30	3.20 V	296	85.90	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.60	30.00	-12.40	1.28 H	24	83.95	-66.35
2	1745.00	18.30	30.00	-11.70	1.26 H	26	84.58	-66.28
3	1770.00	18.00	30.00	-12.00	1.28 H	22	84.20	-66.20
Antenna Polarity & Test Distance: Vertical at 3 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	18.70	30.00	-11.30	3.19 V	301	85.05	-66.35
2	1745.00	19.20	30.00	-10.80	3.25 V	300	85.48	-66.28
3	1770.00	18.80	30.00	-11.20	3.19 V	300	85.00	-66.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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	16.80	30.00	-13.20	1.18 H	29	83.18	-66.38
2	1745.00	15.90	30.00	-14.10	1.17 H	23	82.18	-66.28
3	1779.30	16.20	30.00	-13.80	1.16 H	27	82.37	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	17.40	30.00	-12.60	3.38 V	304	83.78	-66.38
2	1745.00	17.20	30.00	-12.80	3.28 V	302	83.48	-66.28
3	1779.30	17.50	30.00	-12.50	3.37 V	301	83.67	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	16.50	30.00	-13.50	1.18 H	23	82.88	-66.38
2	1745.00	16.30	30.00	-13.70	1.19 H	25	82.58	-66.28
3	1778.50	16.80	30.00	-13.20	1.17 H	26	82.97	-66.17
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.10	30.00	-12.90	3.29 V	300	83.48	-66.38
2	1745.00	17.60	30.00	-12.40	3.30 V	300	83.88	-66.28
3	1778.50	17.20	30.00	-12.80	3.29 V	303	83.37	-66.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	1.24 H	26	82.78	-66.38
2	1745.00	16.30	30.00	-13.70	1.19 H	26	82.58	-66.28
3	1777.50	16.40	30.00	-13.60	1.17 H	27	82.57	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	3.32 V	302	84.08	-66.38
2	1745.00	17.40	30.00	-12.60	3.28 V	306	83.68	-66.28
3	1777.50	17.00	30.00	-13.00	3.35 V	300	83.17	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.10	30.00	-13.90	1.21 H	23	82.46	-66.36
2	1745.00	16.00	30.00	-14.00	1.24 H	27	82.28	-66.28
3	1775.00	16.30	30.00	-13.70	1.25 H	23	82.49	-66.19
Antenna Polarity & Test Distance: Vertical at 3 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	17.00	30.00	-13.00	3.28 V	306	83.36	-66.36
2	1745.00	17.10	30.00	-12.90	3.34 V	301	83.38	-66.28
3	1775.00	17.10	30.00	-12.90	3.33 V	304	83.29	-66.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	1715.00	16.70	30.00	-13.30	1.24 H	25	83.06	-66.36
2	1745.00	16.30	30.00	-13.70	1.25 H	22	82.58	-66.28
3	1772.50	16.20	30.00	-13.80	1.19 H	24	82.40	-66.20
Antenna Polarity & Test Distance: Vertical at 3 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	17.00	30.00	-13.00	3.36 V	302	83.36	-66.36
2	1745.00	16.90	30.00	-13.10	3.33 V	302	83.18	-66.28
3	1772.50	17.10	30.00	-12.90	3.36 V	307	83.30	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.40	30.00	-13.60	1.23 H	29	82.75	-66.35
2	1745.00	16.80	30.00	-13.20	1.16 H	23	83.08	-66.28
3	1770.00	16.40	30.00	-13.60	1.18 H	22	82.60	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.60	30.00	-13.40	3.33 V	303	82.95	-66.35
2	1745.00	17.00	30.00	-13.00	3.36 V	303	83.28	-66.28
3	1770.00	17.10	30.00	-12.90	3.28 V	302	83.30	-66.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	11.90	33.00	-21.10	2.01 H	170	77.73	-65.83
2	1882.50	12.20	33.00	-20.80	1.90 H	161	77.83	-65.63
3	1912.50	12.10	33.00	-20.90	1.97 H	169	77.57	-65.47
Antenna Polarity & Test Distance: Vertical at 3 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	22.10	33.00	-10.90	1.20 V	70	87.93	-65.83
2	1882.50	22.00	33.00	-11.00	1.19 V	72	87.63	-65.63
3	1912.50	21.90	33.00	-11.10	1.15 V	66	87.37	-65.47

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	11.70	33.00	-21.30	2.01 H	166	77.51	-65.81
2	1882.50	11.90	33.00	-21.10	1.99 H	170	77.53	-65.63
3	1910.00	11.80	33.00	-21.20	1.95 H	160	77.28	-65.48
Antenna Polarity & Test Distance: Vertical at 3 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	21.90	33.00	-11.10	1.20 V	72	87.71	-65.81
2	1882.50	21.80	33.00	-11.20	1.15 V	71	87.43	-65.63
3	1910.00	22.00	33.00	-11.00	1.11 V	76	87.48	-65.48

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	12.00	33.00	-21.00	1.92 H	166	77.80	-65.80
2	1882.50	11.90	33.00	-21.10	1.90 H	171	77.53	-65.63
3	1907.50	11.70	33.00	-21.30	2.01 H	164	77.19	-65.49
Antenna Polarity & Test Distance: Vertical at 3 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	21.90	33.00	-11.10	1.23 V	66	87.70	-65.80
2	1882.50	22.20	33.00	-10.80	1.25 V	70	87.83	-65.63
3	1907.50	22.20	33.00	-10.80	1.19 V	63	87.69	-65.49

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	12.10	33.00	-20.90	2.02 H	165	77.88	-65.78
2	1882.50	11.90	33.00	-21.10	1.99 H	165	77.53	-65.63
3	1905.00	11.80	33.00	-21.20	2.02 H	160	77.29	-65.49
Antenna Polarity & Test Distance: Vertical at 3 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	22.00	33.00	-11.00	1.23 V	70	87.80	-65.80
2	1882.50	22.40	33.00	-10.60	1.17 V	62	88.00	-65.60
3	1905.00	21.80	33.00	-11.20	1.15 V	77	87.30	-65.50

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	10.50	33.00	-22.50	1.99 H	164	76.40	-65.90
2	1882.50	10.80	33.00	-22.20	2.00 H	161	76.40	-65.60
3	1912.50	10.80	33.00	-22.20	1.98 H	163	76.30	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	21.10	33.00	-11.90	1.11 V	65	87.00	-65.90
2	1882.50	20.70	33.00	-12.30	1.11 V	71	86.30	-65.60
3	1912.50	21.00	33.00	-12.00	1.15 V	69	86.50	-65.50

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	10.40	33.00	-22.60	1.98 H	162	76.30	-65.90
2	1882.50	10.70	33.00	-22.30	1.94 H	162	76.30	-65.60
3	1910.00	10.60	33.00	-22.40	1.93 H	167	76.10	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	20.60	33.00	-12.40	1.14 V	65	86.50	-65.90
2	1882.50	20.80	33.00	-12.20	1.13 V	67	86.40	-65.60
3	1910.00	20.80	33.00	-12.20	1.13 V	68	86.30	-65.50

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	10.40	33.00	-22.60	1.95 H	160	76.30	-65.90
2	1882.50	10.60	33.00	-22.40	1.96 H	167	76.20	-65.60
3	1907.50	10.70	33.00	-22.30	1.99 H	163	76.20	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	21.10	33.00	-11.90	1.20 V	65	87.00	-65.90
2	1882.50	20.70	33.00	-12.30	1.15 V	69	86.30	-65.60
3	1907.50	20.60	33.00	-12.40	1.16 V	68	86.10	-65.50

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	10.40	33.00	-22.60	1.99 H	166	76.20	-65.80
2	1882.50	10.60	33.00	-22.40	1.96 H	164	76.20	-65.60
3	1905.00	10.40	33.00	-22.60	1.91 H	161	75.90	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	21.00	33.00	-12.00	1.16 V	69	86.80	-65.80
2	1882.50	20.80	33.00	-12.20	1.18 V	66	86.40	-65.60
3	1905.00	20.70	33.00	-12.30	1.12 V	67	86.20	-65.50

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	9.30	33.00	-23.70	1.98 H	162	75.20	-65.90
2	1882.50	9.60	33.00	-23.40	1.92 H	163	75.20	-65.60
3	1912.50	10.00	33.00	-23.00	1.99 H	162	75.50	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	20.00	33.00	-13.00	1.19 V	70	85.90	-65.90
2	1882.50	19.70	33.00	-13.30	1.15 V	66	85.30	-65.60
3	1912.50	20.00	33.00	-13.00	1.12 V	69	85.50	-65.50

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	9.20	33.00	-23.80	1.95 H	164	75.10	-65.90
2	1882.50	9.60	33.00	-23.40	1.92 H	160	75.20	-65.60
3	1910.00	9.60	33.00	-23.40	1.99 H	163	75.10	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	19.50	33.00	-13.50	1.20 V	67	85.40	-65.90
2	1882.50	19.70	33.00	-13.30	1.13 V	67	85.30	-65.60
3	1910.00	20.00	33.00	-13.00	1.13 V	66	85.50	-65.50

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	9.40	33.00	-23.60	1.97 H	164	75.30	-65.90
2	1882.50	9.60	33.00	-23.40	1.92 H	163	75.20	-65.60
3	1907.50	9.70	33.00	-23.30	1.90 H	160	75.20	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	19.90	33.00	-13.10	1.20 V	66	85.80	-65.90
2	1882.50	19.90	33.00	-13.10	1.18 V	71	85.50	-65.60
3	1907.50	19.70	33.00	-13.30	1.19 V	71	85.20	-65.50

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	9.50	33.00	-23.50	1.96 H	161	75.30	-65.80
2	1882.50	9.70	33.00	-23.30	1.93 H	161	75.30	-65.60
3	1905.00	9.60	33.00	-23.40	2.00 H	165	75.10	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	20.20	33.00	-12.80	1.11 V	71	86.00	-65.80
2	1882.50	19.80	33.00	-13.20	1.18 V	67	85.40	-65.60
3	1905.00	19.70	33.00	-13.30	1.18 V	71	85.20	-65.50

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	8.70	33.00	-24.30	1.98 H	163	74.60	-65.90
2	1882.50	9.20	33.00	-23.80	1.97 H	162	74.80	-65.60
3	1912.50	9.50	33.00	-23.50	1.99 H	166	75.00	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	19.50	33.00	-13.50	1.10 V	72	85.40	-65.90
2	1882.50	19.30	33.00	-13.70	1.11 V	68	84.90	-65.60
3	1912.50	19.50	33.00	-13.50	1.17 V	70	85.00	-65.50

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	8.80	33.00	-24.20	1.95 H	161	74.70	-65.90
2	1882.50	9.20	33.00	-23.80	1.92 H	167	74.80	-65.60
3	1910.00	9.20	33.00	-23.80	1.94 H	163	74.70	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	19.00	33.00	-14.00	1.12 V	65	84.90	-65.90
2	1882.50	19.30	33.00	-13.70	1.20 V	70	84.90	-65.60
3	1910.00	19.40	33.00	-13.60	1.15 V	68	84.90	-65.50

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	9.00	33.00	-24.00	1.99 H	165	74.90	-65.90
2	1882.50	9.20	33.00	-23.80	1.94 H	167	74.80	-65.60
3	1907.50	9.10	33.00	-23.90	1.93 H	166	74.60	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	19.30	33.00	-13.70	1.11 V	71	85.20	-65.90
2	1882.50	19.30	33.00	-13.70	1.11 V	69	84.90	-65.60
3	1907.50	19.20	33.00	-13.80	1.12 V	65	84.70	-65.50

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	8.90	33.00	-24.10	1.99 H	165	74.70	-65.80
2	1882.50	9.10	33.00	-23.90	1.92 H	162	74.70	-65.60
3	1905.00	9.10	33.00	-23.90	1.98 H	166	74.60	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	19.60	33.00	-13.40	1.19 V	67	85.40	-65.80
2	1882.50	19.30	33.00	-13.70	1.17 V	69	84.90	-65.60
3	1905.00	19.10	33.00	-13.90	1.12 V	69	84.60	-65.50

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

n25, Channel Bandwidth 5MHz

Mode	TX channel 370500, 376500, 382500							
Antenna Polarity & Test Distance : Horizontal at 3 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	7.10	33.00	-25.90	1.95 H	165	73.00	-65.90
2	1882.50	7.60	33.00	-25.40	1.94 H	167	73.20	-65.60
3	1912.50	7.90	33.00	-25.10	1.93 H	160	73.40	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	18.00	33.00	-15.00	1.11 V	66	83.90	-65.90
2	1882.50	17.90	33.00	-15.10	1.14 V	72	83.50	-65.60
3	1912.50	18.00	33.00	-15.00	1.18 V	70	83.50	-65.50

Remarks:

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

n25, Channel Bandwidth 10MHz

Mode	TX channel 371000, 376500, 382000							
Antenna Polarity & Test Distance : Horizontal at 3 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	7.40	33.00	-25.60	1.97 H	164	73.30	-65.90
2	1882.50	7.70	33.00	-25.30	1.95 H	165	73.30	-65.60
3	1910.00	7.70	33.00	-25.30	1.96 H	163	73.20	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	17.60	33.00	-15.40	1.13 V	67	83.50	-65.90
2	1882.50	17.80	33.00	-15.20	1.11 V	65	83.40	-65.60
3	1910.00	18.00	33.00	-15.00	1.14 V	68	83.50	-65.50

Remarks:

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

n25, Channel Bandwidth 15MHz

Mode	TX channel 371500, 376500, 381500							
Antenna Polarity & Test Distance : Horizontal at 3 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	7.40	33.00	-25.60	1.97 H	160	73.30	-65.90
2	1882.50	7.60	33.00	-25.40	2.00 H	162	73.20	-65.60
3	1907.50	7.80	33.00	-25.20	2.00 H	161	73.30	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	17.90	33.00	-15.10	1.13 V	72	83.80	-65.90
2	1882.50	17.80	33.00	-15.20	1.10 V	66	83.40	-65.60
3	1907.50	17.80	33.00	-15.20	1.11 V	66	83.30	-65.50

Remarks:

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

n25, Channel Bandwidth 20MHz

Mode	TX channel 372000, 376500, 379000							
Antenna Polarity & Test Distance : Horizontal at 3 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	7.50	33.00	-25.50	1.97 H	162	73.30	-65.80
2	1882.50	7.70	33.00	-25.30	2.00 H	161	73.30	-65.60
3	1905.00	7.50	33.00	-25.50	1.97 H	65	73.00	-65.50
Antenna Polarity & Test Distance: Vertical at 3 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	18.00	33.00	-15.00	1.11 V	68	83.80	-65.80
2	1882.50	17.70	33.00	-15.30	1.20 V	65	83.30	-65.60
3	1905.00	17.50	33.00	-15.50	1.11 V	65	83.00	-65.50

Remarks:

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

Modulation Type: QPSK

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	15.20	34.77	-19.57	1.22 H	249	85.46	-70.26
2	707.50	15.10	34.77	-19.67	1.20 H	250	85.36	-70.26
3	715.30	15.20	34.77	-19.57	1.22 H	254	85.46	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	18.40	34.77	-16.37	1.30 V	177	88.66	-70.26
2	707.50	18.50	34.77	-16.27	1.26 V	179	88.76	-70.26
3	715.30	18.50	34.77	-16.27	1.26 V	183	88.76	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	14.70	34.77	-20.07	1.16 H	249	84.96	-70.26
2	707.50	15.20	34.77	-19.57	1.23 H	249	85.46	-70.26
3	714.50	14.90	34.77	-19.87	1.17 H	250	85.16	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	18.50	34.77	-16.27	1.29 V	182	88.76	-70.26
2	707.50	18.70	34.77	-16.07	1.32 V	184	88.96	-70.26
3	714.50	18.60	34.77	-16.17	1.30 V	175	88.86	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	15.10	34.77	-19.67	1.18 H	250	85.36	-70.26
2	707.50	15.20	34.77	-19.57	1.23 H	249	85.46	-70.26
3	713.50	14.90	34.77	-19.87	1.23 H	253	85.16	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	18.40	34.77	-16.37	1.30 V	180	88.66	-70.26
2	707.50	18.40	34.77	-16.37	1.35 V	182	88.66	-70.26
3	713.50	18.60	34.77	-16.17	1.25 V	180	88.86	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	14.70	34.77	-20.07	1.23 H	252	84.96	-70.26
2	707.50	15.00	34.77	-19.77	1.15 H	266	85.26	-70.26
3	711.00	14.90	34.77	-19.87	1.23 H	247	85.16	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	18.70	34.77	-16.07	1.35 V	182	88.96	-70.26
2	707.50	18.40	34.77	-16.37	1.28 V	177	88.66	-70.26
3	711.00	18.40	34.77	-16.37	1.28 V	183	88.66	-70.26

Remarks:

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

Modulation Type: 16QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	14.10	34.77	-20.67	1.15 H	248	84.36	-70.26
2	707.50	14.20	34.77	-20.57	1.24 H	251	84.46	-70.26
3	715.30	14.30	34.77	-20.47	1.23 H	247	84.56	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	17.40	34.77	-17.37	1.26 V	184	87.66	-70.26
2	707.50	17.10	34.77	-17.67	1.26 V	177	87.36	-70.26
3	715.30	17.00	34.77	-17.77	1.33 V	178	87.26	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	14.00	34.77	-20.77	1.24 H	254	84.26	-70.26
2	707.50	14.30	34.77	-20.47	1.22 H	251	84.56	-70.26
3	714.50	13.90	34.77	-20.87	1.19 H	249	84.16	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	17.00	34.77	-17.77	1.25 V	178	87.26	-70.26
2	707.50	17.40	34.77	-17.37	1.30 V	177	87.66	-70.26
3	714.50	17.20	34.77	-17.57	1.30 V	181	87.46	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	14.00	34.77	-20.77	1.25 H	249	84.26	-70.26
2	707.50	14.40	34.77	-20.37	1.15 H	254	84.66	-70.26
3	713.50	14.30	34.77	-20.47	1.23 H	248	84.56	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	17.50	34.77	-17.27	1.27 V	178	87.76	-70.26
2	707.50	17.20	34.77	-17.57	1.30 V	177	87.46	-70.26
3	713.50	17.60	34.77	-17.17	1.28 V	182	87.86	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	14.00	34.77	-20.77	1.21 H	247	84.26	-70.26
2	707.50	14.10	34.77	-20.67	1.24 H	249	84.36	-70.26
3	711.00	13.90	34.77	-20.87	1.22 H	251	84.16	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	17.50	34.77	-17.27	1.29 V	177	87.76	-70.26
2	707.50	17.20	34.77	-17.57	1.29 V	183	87.46	-70.26
3	711.00	17.50	34.77	-17.27	1.28 V	180	87.76	-70.26

Remarks:

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

Modulation Type: 64QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	13.40	34.77	-21.37	1.19 H	254	83.66	-70.26
2	707.50	13.50	34.77	-21.27	1.25 H	249	83.76	-70.26
3	715.30	13.80	34.77	-20.97	1.17 H	248	84.06	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	16.90	34.77	-17.87	1.30 V	179	87.16	-70.26
2	707.50	16.50	34.77	-18.27	1.34 V	178	86.76	-70.26
3	715.30	16.40	34.77	-18.37	1.26 V	181	86.66	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	13.50	34.77	-21.27	1.16 H	249	83.76	-70.26
2	707.50	13.90	34.77	-20.87	1.19 H	250	84.16	-70.26
3	714.50	13.30	34.77	-21.47	1.15 H	253	83.56	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	16.80	34.77	-17.97	1.34 V	177	87.06	-70.26
2	707.50	16.90	34.77	-17.87	1.26 V	181	87.16	-70.26
3	714.50	16.50	34.77	-18.27	1.31 V	181	86.76	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	13.30	34.77	-21.47	1.15 H	253	83.56	-70.26
2	707.50	13.90	34.77	-20.87	1.21 H	253	84.16	-70.26
3	713.50	13.60	34.77	-21.17	1.19 H	248	83.86	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	17.10	34.77	-17.67	1.30 V	179	87.36	-70.26
2	707.50	16.90	34.77	-17.87	1.32 V	184	87.16	-70.26
3	713.50	17.20	34.77	-17.57	1.34 V	182	87.46	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	13.30	34.77	-21.47	1.15 H	251	83.56	-70.26
2	707.50	13.60	34.77	-21.17	1.15 H	258	83.86	-70.26
3	711.00	13.40	34.77	-21.37	1.19 H	252	83.66	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	17.10	34.77	-17.67	1.26 V	183	87.36	-70.26
2	707.50	17.00	34.77	-17.77	1.26 V	189	87.26	-70.26
3	711.00	17.30	34.77	-17.47	1.32 V	179	87.56	-70.26

Remarks:

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

Modulation Type: 256QAM

LTE Band 12, Channel Bandwidth 1.4MHz

Mode	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	11.90	34.77	-22.87	1.17 H	247	82.16	-70.26
2	707.50	11.80	34.77	-22.97	1.15 H	254	82.06	-70.26
3	715.30	12.30	34.77	-22.47	1.21 H	254	82.56	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	699.70	15.40	34.77	-19.37	1.34 V	178	85.66	-70.26
2	707.50	15.10	34.77	-19.67	1.32 V	178	85.36	-70.26
3	715.30	15.00	34.77	-19.77	1.33 V	181	85.26	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 3MHz

Mode	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	12.00	34.77	-22.77	1.18 H	252	82.26	-70.26
2	707.50	12.50	34.77	-22.27	1.23 H	249	82.76	-70.26
3	714.50	12.10	34.77	-22.67	1.15 H	251	82.36	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	700.50	15.10	34.77	-19.67	1.32 V	189	85.36	-70.26
2	707.50	15.30	34.77	-19.47	1.31 V	183	85.56	-70.26
3	714.50	15.40	34.77	-19.37	1.33 V	178	85.66	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

Mode	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	11.90	34.77	-22.87	1.25 H	254	82.16	-70.26
2	707.50	12.50	34.77	-22.27	1.17 H	249	82.76	-70.26
3	713.50	12.20	34.77	-22.57	1.21 H	250	82.46	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	701.50	15.60	34.77	-19.17	1.32 V	183	85.86	-70.26
2	707.50	15.20	34.77	-19.57	1.28 V	177	85.46	-70.26
3	713.50	15.40	34.77	-19.37	1.27 V	183	85.66	-70.26

Remarks:

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

LTE Band 12, Channel Bandwidth 10MHz

Mode	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	12.20	34.77	-22.57	1.20 H	248	82.46	-70.26
2	707.50	12.00	34.77	-22.77	1.19 H	250	82.26	-70.26
3	711.00	12.10	34.77	-22.67	1.22 H	248	82.36	-70.26
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	704.00	15.60	34.77	-19.17	1.33 V	177	85.86	-70.26
2	707.50	15.20	34.77	-19.57	1.32 V	181	85.46	-70.26
3	711.00	15.50	34.77	-19.27	1.25 V	179	85.76	-70.26

Remarks:

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

Modulation Type: QPSK

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.40	30.00	-11.60	1.65 H	43	84.78	-66.38
2	1745.00	18.80	30.00	-11.20	1.61 H	42	85.08	-66.28
3	1779.30	18.50	30.00	-11.50	1.59 H	44	84.67	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	20.40	30.00	-9.60	3.27 V	321	86.78	-66.38
2	1745.00	20.40	30.00	-9.60	3.31 V	326	86.68	-66.28
3	1779.30	20.50	30.00	-9.50	3.35 V	319	86.67	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.80	30.00	-11.20	1.57 H	42	85.18	-66.38
2	1745.00	18.40	30.00	-11.60	1.55 H	43	84.68	-66.28
3	1778.50	18.50	30.00	-11.50	1.65 H	43	84.67	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	20.70	30.00	-9.30	3.30 V	320	87.08	-66.38
2	1745.00	20.80	30.00	-9.20	3.26 V	325	87.08	-66.28
3	1778.50	20.60	30.00	-9.40	3.32 V	325	86.77	-66.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	18.90	30.00	-11.10	1.63 H	44	85.28	-66.38
2	1745.00	18.70	30.00	-11.30	1.64 H	40	84.98	-66.28
3	1777.50	18.80	30.00	-11.20	1.65 H	41	84.97	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	20.50	30.00	-9.50	3.26 V	321	86.88	-66.38
2	1745.00	20.50	30.00	-9.50	3.28 V	325	86.78	-66.28
3	1777.50	20.60	30.00	-9.40	3.27 V	323	86.77	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.90	30.00	-11.10	1.59 H	42	85.26	-66.36
2	1745.00	18.40	30.00	-11.60	1.62 H	45	84.68	-66.28
3	1775.00	18.50	30.00	-11.50	1.60 H	39	84.69	-66.19
Antenna Polarity & Test Distance: Vertical at 3 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	20.60	30.00	-9.40	3.26 V	324	86.96	-66.36
2	1745.00	20.50	30.00	-9.50	3.28 V	322	86.78	-66.28
3	1775.00	20.70	30.00	-9.30	3.29 V	324	86.89	-66.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	18.80	30.00	-11.20	1.64 H	34	85.16	-66.36
2	1745.00	18.90	30.00	-11.10	1.58 H	43	85.18	-66.28
3	1772.50	18.40	30.00	-11.60	1.55 H	40	84.60	-66.20
Antenna Polarity & Test Distance: Vertical at 3 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	20.40	30.00	-9.60	3.35 V	326	86.76	-66.36
2	1745.00	20.60	30.00	-9.40	3.29 V	322	86.88	-66.28
3	1772.50	20.50	30.00	-9.50	3.31 V	322	86.70	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.40	30.00	-11.60	1.60 H	44	84.75	-66.35
2	1745.00	18.50	30.00	-11.50	1.59 H	41	84.78	-66.28
3	1770.00	18.70	30.00	-11.30	1.59 H	38	84.90	-66.20
Antenna Polarity & Test Distance: Vertical at 3 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	20.50	30.00	-9.50	3.28 V	324	86.85	-66.35
2	1745.00	20.60	30.00	-9.40	3.34 V	321	86.88	-66.28
3	1770.00	20.80	30.00	-9.20	3.35 V	325	87.00	-66.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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	17.60	30.00	-12.40	1.63 H	39	83.98	-66.38
2	1745.00	18.00	30.00	-12.00	1.55 H	44	84.28	-66.28
3	1779.30	17.40	30.00	-12.60	1.61 H	41	83.57	-66.17
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.20	30.00	-10.80	3.31 V	321	85.58	-66.38
2	1745.00	18.90	30.00	-11.10	3.35 V	323	85.18	-66.28
3	1779.30	19.20	30.00	-10.80	3.29 V	324	85.37	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.60	30.00	-12.40	1.56 H	38	83.98	-66.38
2	1745.00	17.60	30.00	-12.40	1.58 H	43	83.88	-66.28
3	1778.50	17.30	30.00	-12.70	1.57 H	38	83.47	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	18.80	30.00	-11.20	3.34 V	322	85.18	-66.38
2	1745.00	18.90	30.00	-11.10	3.26 V	322	85.18	-66.28
3	1778.50	19.20	30.00	-10.80	3.30 V	323	85.37	-66.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	18.10	30.00	-11.90	1.56 H	42	84.48	-66.38
2	1745.00	18.00	30.00	-12.00	1.58 H	38	84.28	-66.28
3	1777.50	17.90	30.00	-12.10	1.59 H	41	84.07	-66.17
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.10	30.00	-10.90	3.28 V	322	85.48	-66.38
2	1745.00	19.20	30.00	-10.80	3.34 V	325	85.48	-66.28
3	1777.50	19.00	30.00	-11.00	3.25 V	319	85.17	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.90	30.00	-12.10	1.63 H	37	84.26	-66.36
2	1745.00	17.60	30.00	-12.40	1.64 H	42	83.88	-66.28
3	1775.00	17.50	30.00	-12.50	1.60 H	38	83.69	-66.19
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.20	30.00	-10.80	3.27 V	319	85.56	-66.36
2	1745.00	19.00	30.00	-11.00	3.25 V	322	85.28	-66.28
3	1775.00	19.10	30.00	-10.90	3.35 V	323	85.29	-66.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	17.80	30.00	-12.20	1.62 H	41	84.16	-66.36
2	1745.00	17.80	30.00	-12.20	1.63 H	39	84.08	-66.28
3	1772.50	17.50	30.00	-12.50	1.63 H	41	83.70	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.00	30.00	-11.00	3.28 V	322	85.36	-66.36
2	1745.00	19.30	30.00	-10.70	3.31 V	323	85.58	-66.28
3	1772.50	19.40	30.00	-10.60	3.35 V	326	85.60	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.40	30.00	-12.60	1.64 H	41	83.75	-66.35
2	1745.00	17.70	30.00	-12.30	1.58 H	44	83.98	-66.28
3	1770.00	17.90	30.00	-12.10	1.64 H	43	84.10	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.10	30.00	-10.90	3.32 V	323	85.45	-66.35
2	1745.00	19.30	30.00	-10.70	3.30 V	326	85.58	-66.28
3	1770.00	19.00	30.00	-11.00	3.29 V	322	85.20	-66.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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	17.10	30.00	-12.90	1.55 H	37	83.48	-66.38
2	1745.00	17.60	30.00	-12.40	1.59 H	40	83.88	-66.28
3	1779.30	17.20	30.00	-12.80	1.61 H	44	83.37	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	18.60	30.00	-11.40	3.26 V	323	84.98	-66.38
2	1745.00	18.50	30.00	-11.50	3.35 V	320	84.78	-66.28
3	1779.30	18.60	30.00	-11.40	3.29 V	320	84.77	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.20	30.00	-12.80	1.63 H	44	83.58	-66.38
2	1745.00	17.20	30.00	-12.80	1.64 H	44	83.48	-66.28
3	1778.50	16.90	30.00	-13.10	1.63 H	43	83.07	-66.17
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.20	30.00	-11.80	3.33 V	319	84.58	-66.38
2	1745.00	18.30	30.00	-11.70	3.32 V	320	84.58	-66.28
3	1778.50	18.60	30.00	-11.40	3.28 V	325	84.77	-66.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	1.62 H	44	84.08	-66.38
2	1745.00	17.30	30.00	-12.70	1.64 H	41	83.58	-66.28
3	1777.50	17.60	30.00	-12.40	1.58 H	42	83.77	-66.17
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.70	30.00	-11.30	3.28 V	323	85.08	-66.38
2	1745.00	18.60	30.00	-11.40	3.27 V	322	84.88	-66.28
3	1777.50	18.30	30.00	-11.70	3.34 V	324	84.47	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.50	30.00	-12.50	1.56 H	37	83.86	-66.36
2	1745.00	17.10	30.00	-12.90	1.63 H	44	83.38	-66.28
3	1775.00	17.10	30.00	-12.90	1.63 H	41	83.29	-66.19
Antenna Polarity & Test Distance: Vertical at 3 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	18.80	30.00	-11.20	3.33 V	321	85.16	-66.36
2	1745.00	18.50	30.00	-11.50	3.30 V	326	84.78	-66.28
3	1775.00	18.50	30.00	-11.50	3.26 V	325	84.69	-66.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	17.30	30.00	-12.70	1.62 H	42	83.66	-66.36
2	1745.00	17.40	30.00	-12.60	1.61 H	43	83.68	-66.28
3	1772.50	17.00	30.00	-13.00	1.56 H	43	83.20	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.40	30.00	-11.60	3.35 V	325	84.76	-66.36
2	1745.00	18.70	30.00	-11.30	3.33 V	322	84.98	-66.28
3	1772.50	18.70	30.00	-11.30	3.33 V	324	84.90	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.00	30.00	-13.00	1.55 H	41	83.35	-66.35
2	1745.00	17.30	30.00	-12.70	1.55 H	42	83.58	-66.28
3	1770.00	17.40	30.00	-12.60	1.62 H	37	83.60	-66.20
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.50	30.00	-11.50	3.29 V	325	84.85	-66.35
2	1745.00	18.80	30.00	-11.20	3.25 V	319	85.08	-66.28
3	1770.00	18.60	30.00	-11.40	3.34 V	325	84.80	-66.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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	15.70	30.00	-14.30	1.65 H	39	82.08	-66.38
2	1745.00	16.10	30.00	-13.90	1.59 H	41	82.38	-66.28
3	1779.30	15.70	30.00	-14.30	1.60 H	38	81.87	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	17.10	30.00	-12.90	3.28 V	319	83.48	-66.38
2	1745.00	17.20	30.00	-12.80	3.31 V	330	83.48	-66.28
3	1779.30	17.00	30.00	-13.00	3.32 V	321	83.17	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	15.80	30.00	-14.20	1.63 H	38	82.18	-66.38
2	1745.00	15.60	30.00	-14.40	1.56 H	37	81.88	-66.28
3	1778.50	15.20	30.00	-14.80	1.59 H	40	81.37	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	16.80	30.00	-13.20	3.29 V	322	83.18	-66.38
2	1745.00	16.90	30.00	-13.10	3.31 V	324	83.18	-66.28
3	1778.50	17.20	30.00	-12.80	3.34 V	319	83.37	-66.17

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	16.10	30.00	-13.90	1.59 H	41	82.48	-66.38
2	1745.00	15.90	30.00	-14.10	1.65 H	38	82.18	-66.28
3	1777.50	16.10	30.00	-13.90	1.56 H	35	82.27	-66.17
Antenna Polarity & Test Distance: Vertical at 3 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	17.10	30.00	-12.90	3.29 V	325	83.48	-66.38
2	1745.00	17.20	30.00	-12.80	3.26 V	326	83.48	-66.28
3	1777.50	17.00	30.00	-13.00	3.31 V	320	83.17	-66.17

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.10	30.00	-13.90	1.60 H	41	82.46	-66.36
2	1745.00	15.90	30.00	-14.10	1.56 H	43	82.18	-66.28
3	1775.00	15.80	30.00	-14.20	1.63 H	37	81.99	-66.19
Antenna Polarity & Test Distance: Vertical at 3 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	17.20	30.00	-12.80	3.26 V	321	83.56	-66.36
2	1745.00	17.00	30.00	-13.00	3.29 V	320	83.28	-66.28
3	1775.00	17.10	30.00	-12.90	3.27 V	325	83.29	-66.19

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	15.80	30.00	-14.20	1.61 H	39	82.16	-66.36
2	1745.00	15.90	30.00	-14.10	1.55 H	37	82.18	-66.28
3	1772.50	15.50	30.00	-14.50	1.59 H	38	81.70	-66.20
Antenna Polarity & Test Distance: Vertical at 3 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	16.80	30.00	-13.20	3.33 V	320	83.16	-66.36
2	1745.00	17.20	30.00	-12.80	3.26 V	320	83.48	-66.28
3	1772.50	17.10	30.00	-12.90	3.27 V	323	83.30	-66.20

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	15.40	30.00	-14.60	1.56 H	41	81.75	-66.35
2	1745.00	15.70	30.00	-14.30	1.60 H	37	81.98	-66.28
3	1770.00	15.80	30.00	-14.20	1.64 H	41	82.00	-66.20
Antenna Polarity & Test Distance: Vertical at 3 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	17.10	30.00	-12.90	3.26 V	323	83.45	-66.35
2	1745.00	17.20	30.00	-12.80	3.30 V	320	83.48	-66.28
3	1770.00	17.00	30.00	-13.00	3.32 V	324	83.20	-66.20

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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

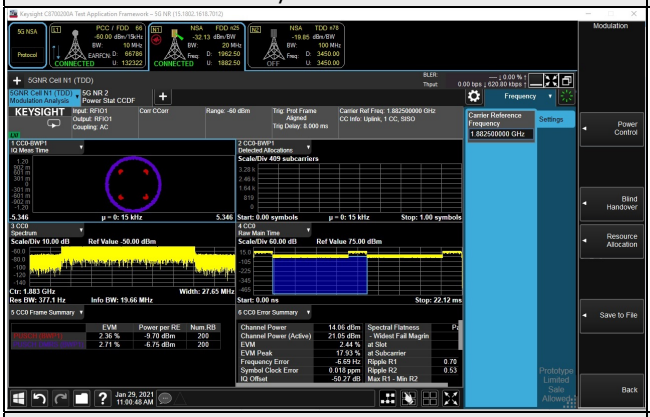
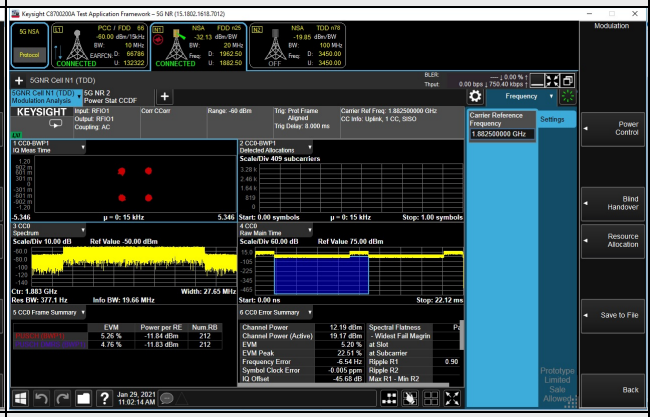
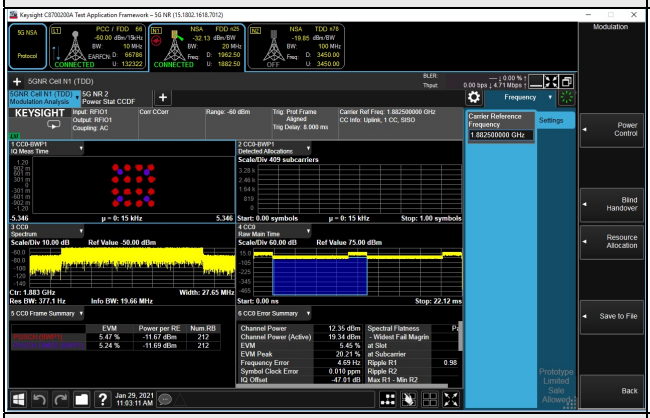
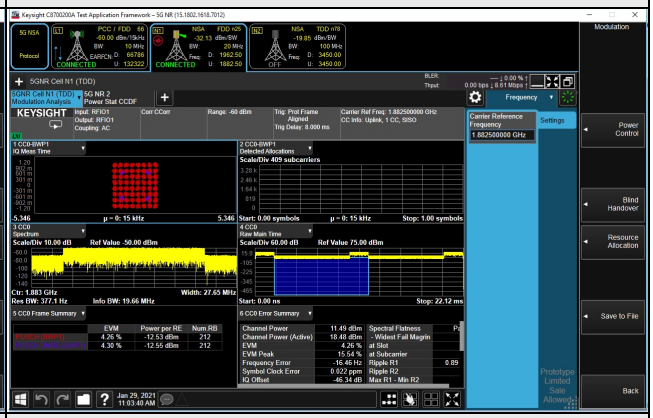
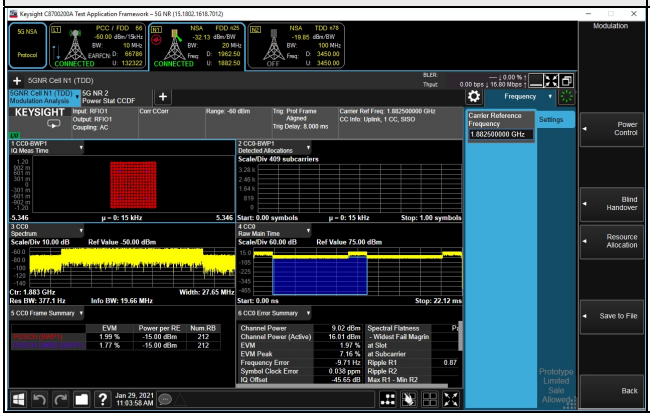
N/A

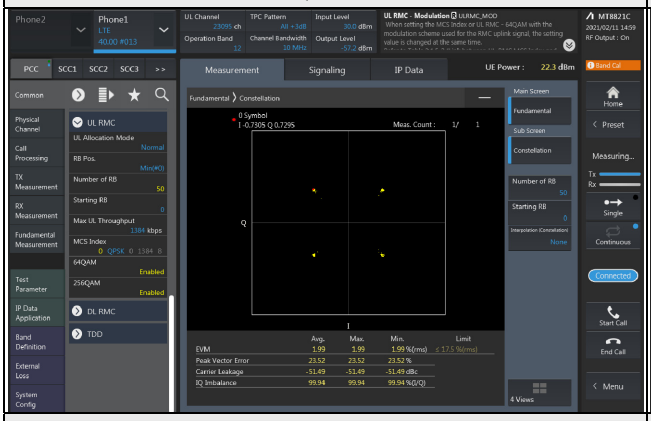
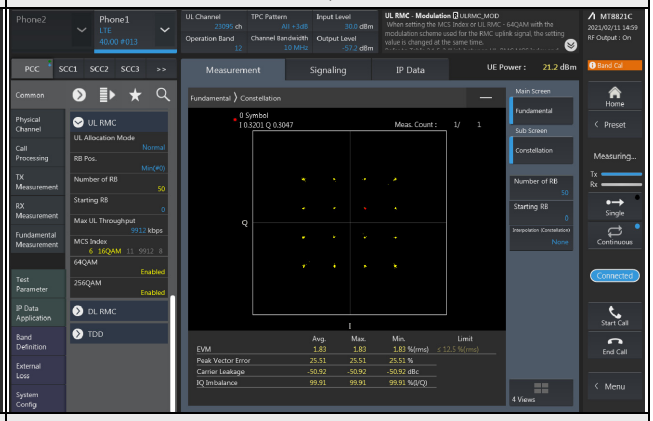
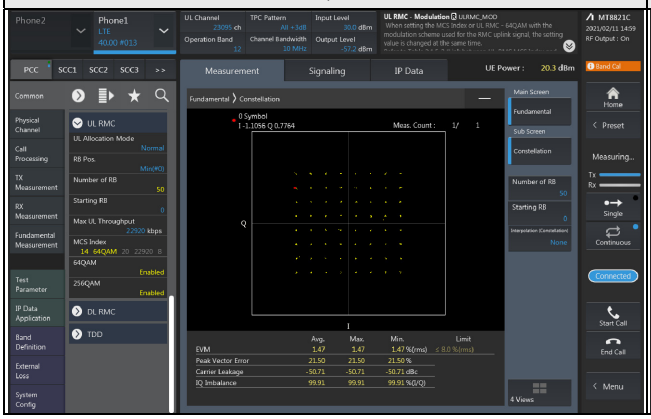
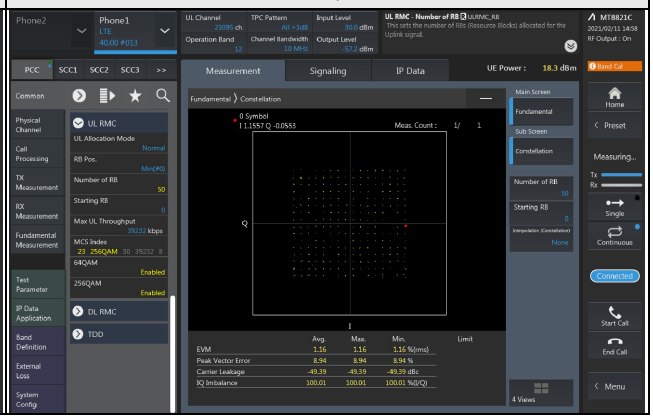
4.2.2 Test Procedure

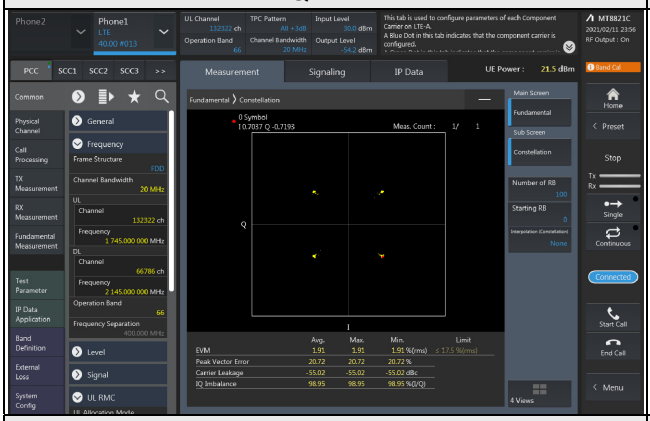
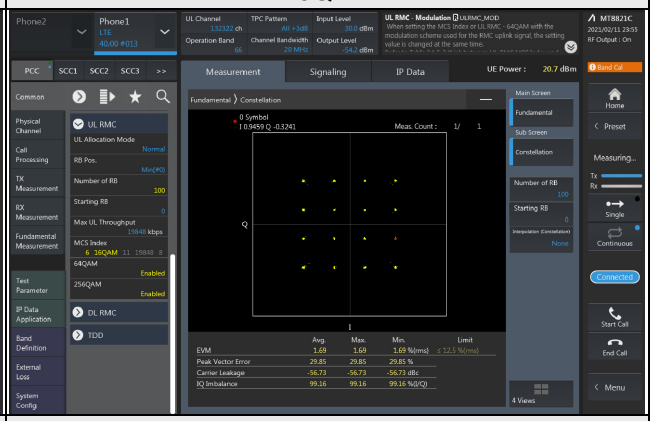
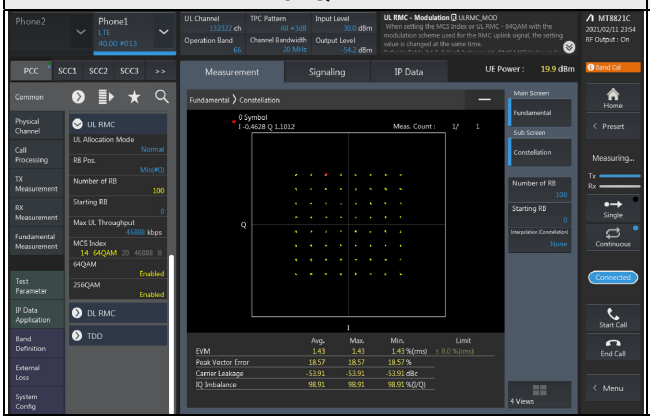
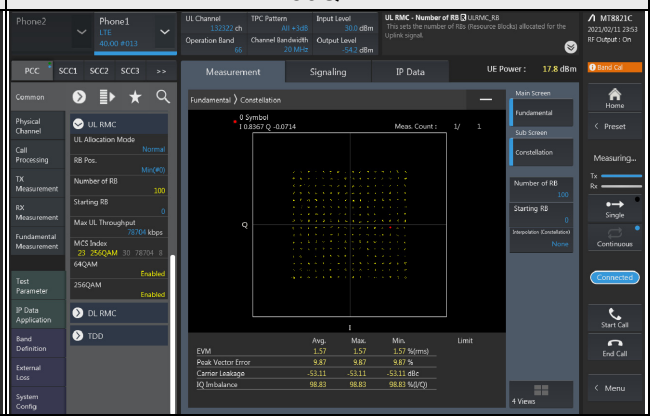
Connect the EUT to Communication Simulator via the antenna connector, The frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

4.2.3 Test Setup

4.2.4 Test Results

n25	
Spectrum Plot of Measurement Value	
Channel: 376500 / Frequency (MHz): 1882.5MHz	
$\pi/2$ BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

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

LTE Band 66	
Spectrum Plot of Measurement Value	
Channel: 132322 / Frequency (MHz): 1745.0 MHz	
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.

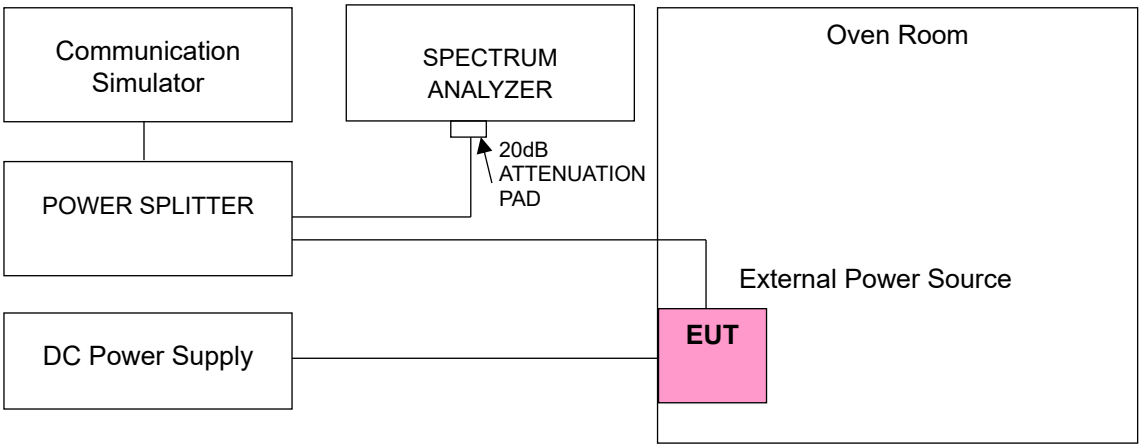
Note: The frequency error was recorded frequency error from the communication simulator.

4.3.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
UXM 5G Wireless Test Platform Keysight	E7515B	MY58300759	Apr. 18, 2020	Apr. 17, 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 (Volts)	n25			
	Channel Bandwidth 5 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
4.40	1852.499996	-0.002	1912.500000	-0.001
3.85	1852.500001	0.001	1912.500000	-0.002
3.40	1852.499996	-0.002	1912.500000	-0.001

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

Frequency Error vs. Temperature

Temp. (℃)	n25			
	Channel Bandwidth 5 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1852.499998	-0.001	1912.500000	-0.002
-20	1852.499999	-0.001	1912.500000	-0.001
-10	1852.499999	-0.001	1912.500000	0.001
0	1852.499996	-0.002	1912.500000	-0.001
10	1852.499999	-0.001	1912.500000	-0.002
20	1852.500001	0.001	1912.500000	0.002
30	1852.499996	-0.002	1912.500000	-0.001
40	1852.500004	0.002	1912.500000	-0.002
50	1852.500002	0.001	1912.500000	0.001

Frequency Error vs. Voltage

Voltage (Volts)	n25			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
4.40	1854.999998	-0.001	1909.999996	-0.002
3.85	1854.999999	-0.001	1909.999999	-0.001
3.40	1854.999996	-0.002	1909.999996	-0.002

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

Frequency Error vs. Temperature

Temp. (℃)	n25			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1855.000003	0.002	1909.999997	-0.002
-20	1854.999996	-0.002	1910.000002	0.001
-10	1855.000004	0.002	1909.999997	-0.002
0	1855.000004	0.002	1910.000004	0.002
10	1855.000002	0.001	1909.999996	-0.002
20	1854.999999	-0.001	1909.999998	-0.001
30	1855.000002	0.001	1909.999996	-0.002
40	1855.000003	0.002	1909.999997	-0.002
50	1854.999998	-0.001	1910.000002	0.001

Frequency Error vs. Voltage

Voltage (Volts)	n25			
	Channel Bandwidth 15 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
4.40	1857.499996	-0.002	1907.500004	0.002
3.85	1857.499997	-0.002	1907.500002	0.001
3.40	1857.500003	0.002	1907.499997	-0.002

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

Frequency Error vs. Temperature

Temp. (℃)	n25			
	Channel Bandwidth 15 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1857.499998	-0.001	1907.500003	0.002
-20	1857.500002	0.001	1907.500004	0.002
-10	1857.500004	0.002	1907.499998	-0.001
0	1857.499998	-0.001	1907.500002	0.001
10	1857.499996	-0.002	1907.500002	0.001
20	1857.500003	0.002	1907.499999	-0.001
30	1857.500001	0.001	1907.500004	0.002
40	1857.500003	0.002	1907.499999	-0.001
50	1857.500003	0.002	1907.500002	0.001

Frequency Error vs. Voltage

Voltage (Volts)	n25			
	Channel Bandwidth 20 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
4.40	1859.999999	-0.001	1905.000002	0.001
3.85	1859.999997	-0.002	1905.000003	0.002
3.40	1860.000003	0.002	1904.999998	-0.001

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

Frequency Error vs. Temperature

Temp. (℃)	n25			
	Channel Bandwidth 20 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1859.999996	-0.002	1904.999996	-0.002
-20	1859.999999	-0.001	1904.999999	-0.001
-10	1860.000004	0.002	1904.999996	-0.002
0	1859.999999	-0.001	1904.999998	-0.001
10	1860.000003	0.002	1904.999997	-0.002
20	1860.000002	0.001	1904.999998	-0.001
30	1860.000003	0.002	1905.000001	0.001
40	1860.000001	0.001	1905.000003	0.002
50	1860.000002	0.001	1904.999999	-0.001

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 12			
	Channel Bandwidth 1.4 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	699.700002	0.002715	715.300004	0.005312
3.40	699.700003	0.004716	715.300001	0.001817
4.40	699.700003	0.004573	715.300004	0.004893

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 12			
	Channel Bandwidth 1.4 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	699.700003	0.004288	715.300001	0.001678
-20	699.700002	0.002715	715.300002	0.002097
-10	699.700003	0.003716	715.300003	0.004194
0	699.700002	0.002144	715.300004	0.005312
10	699.699997	-0.004859	715.299999	-0.001538
20	699.699997	-0.004430	715.299997	-0.004893
30	699.699997	-0.003859	715.299999	-0.001957
40	699.699998	-0.002573	715.299997	-0.004054
50	699.699997	-0.004002	715.299999	-0.001957

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 12			
	Channel Bandwidth 3MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	700.500001	0.001713	714.500001	0.001959
3.40	700.500002	0.003283	714.500003	0.003919
4.40	700.500003	0.004854	714.500002	0.003079

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 12			
	Channel Bandwidth 3MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	700.500002	0.002998	714.500003	0.004199
-20	700.500002	0.002427	714.500001	0.001819
-10	700.500002	0.002712	714.500002	0.002099
0	700.500001	0.001999	714.500003	0.003639
10	700.499996	-0.005567	714.499998	-0.002239
20	700.499999	-0.001856	714.499996	-0.005318
30	700.499997	-0.004568	714.499998	-0.003079
40	700.499998	-0.003283	714.499999	-0.001819
50	700.499997	-0.004568	714.499996	-0.005318

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 12			
	Channel Bandwidth 5 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	701.500001	0.001568	713.500003	0.003504
3.40	701.500003	0.003991	713.500003	0.004765
4.40	701.500003	0.004704	713.500001	0.001822

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 12			
	Channel Bandwidth 5 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	701.500002	0.002708	713.500003	0.004625
-20	701.500002	0.002423	713.500004	0.005046
-10	701.500001	0.001568	713.500003	0.004485
0	701.500002	0.002423	713.500003	0.003644
10	701.499997	-0.003849	713.499997	-0.003644
20	701.499999	-0.001711	713.499996	-0.005046
30	701.499997	-0.004419	713.499997	-0.004345
40	701.499997	-0.004704	713.499997	-0.004905
50	701.499998	-0.003564	713.499999	-0.001402

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 12			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	704.000002	0.002273	711.000001	0.001547
3.40	704.000003	0.004830	711.000003	0.003657
4.40	704.000002	0.002557	711.000003	0.004641

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 12			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	704.000002	0.003409	711.000002	0.003094
-20	704.000003	0.003977	711.000004	0.005345
-10	704.000001	0.001420	711.000002	0.003094
0	704.000003	0.003977	711.000004	0.005204
10	703.999996	-0.005256	710.999997	-0.003657
20	703.999999	-0.001847	710.999996	-0.005204
30	703.999998	-0.003125	710.999996	-0.005345
40	703.999998	-0.002557	710.999998	-0.002672
50	703.999997	-0.004545	710.999998	-0.002532

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 66			
	Channel Bandwidth 1.4 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1710.700002	0.000994	1779.300003	0.001798
3.40	1710.700002	0.001169	1779.300002	0.000899
4.40	1710.700001	0.000760	1779.300002	0.001068

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 66			
	Channel Bandwidth 1.4 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1710.700001	0.000760	1779.300002	0.001068
-20	1710.700003	0.001987	1779.300002	0.001068
-10	1710.700004	0.002104	1779.300002	0.001236
0	1710.700003	0.001929	1779.300003	0.001405
10	1710.699997	-0.001695	1779.299998	-0.001236
20	1710.699999	-0.000643	1779.299996	-0.002192
30	1710.699998	-0.001052	1779.299999	-0.000731
40	1710.699997	-0.001578	1779.299996	-0.002136
50	1710.699997	-0.002046	1779.299998	-0.001012

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 66			
	Channel Bandwidth 3 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1711.500002	0.001285	1778.500003	0.001518
3.40	1711.500003	0.001811	1778.500004	0.002249
4.40	1711.500001	0.000760	1778.500001	0.000618

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 66			
	Channel Bandwidth 3 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1711.500003	0.001870	1778.500004	0.002024
-20	1711.500004	0.002220	1778.500001	0.000675
-10	1711.500002	0.001402	1778.500002	0.000956
0	1711.500001	0.000701	1778.500002	0.001068
10	1711.499997	-0.001753	1778.499996	-0.002193
20	1711.499998	-0.001052	1778.499997	-0.001912
30	1711.499998	-0.001169	1778.499997	-0.001799
40	1711.499997	-0.001694	1778.499998	-0.001125
50	1711.499999	-0.000876	1778.499998	-0.001237

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 66			
	Channel Bandwidth 5MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1712.500002	0.001051	1777.500004	0.002194
3.40	1712.500003	0.001460	1777.500004	0.002025
4.40	1712.500003	0.001869	1777.500002	0.001069

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 66			
	Channel Bandwidth 5MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1712.500004	0.002336	1777.500004	0.002194
-20	1712.500004	0.002219	1777.500002	0.001350
-10	1712.500002	0.001343	1777.500002	0.000956
0	1712.500003	0.001869	1777.500002	0.001125
10	1712.499998	-0.001051	1777.499999	-0.000619
20	1712.499998	-0.001109	1777.499998	-0.000900
30	1712.499996	-0.002219	1777.499997	-0.001463
40	1712.499997	-0.001635	1777.499999	-0.000675
50	1712.499999	-0.000876	1777.499997	-0.001575

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 66			
	Channel Bandwidth 10MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1715.000003	0.001633	1775.000003	0.001521
3.40	1715.000002	0.001050	1775.000001	0.000676
4.40	1715.000002	0.001050	1775.000003	0.001634

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 66			
	Channel Bandwidth 10MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1715.000003	0.001691	1775.000004	0.002085
-20	1715.000004	0.002157	1775.000002	0.001014
-10	1715.000003	0.001691	1775.000003	0.001915
0	1715.000004	0.002274	1775.000004	0.002197
10	1714.999998	-0.001341	1774.999999	-0.000620
20	1714.999998	-0.001108	1774.999999	-0.000845
30	1714.999997	-0.001516	1774.999998	-0.001408
40	1714.999998	-0.001224	1774.999999	-0.000563
50	1714.999998	-0.001050	1774.999998	-0.001070

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 66			
	Channel Bandwidth 15MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1717.500003	0.001514	1772.500004	0.002200
3.40	1717.500004	0.002096	1772.500004	0.001975
4.40	1717.500002	0.001106	1772.500002	0.001016

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 66			
	Channel Bandwidth 15MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1717.500002	0.001048	1772.500001	0.000790
-20	1717.500004	0.002329	1772.500004	0.002144
-10	1717.500003	0.001805	1772.500002	0.001185
0	1717.500003	0.001630	1772.500004	0.002144
10	1717.499997	-0.001572	1772.499997	-0.001862
20	1717.499999	-0.000757	1772.499997	-0.001749
30	1717.499999	-0.000582	1772.499998	-0.001128
40	1717.499997	-0.001514	1772.499996	-0.002031
50	1717.499999	-0.000815	1772.499996	-0.002200

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 66			
	Channel Bandwidth 20MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1720.000004	0.002151	1770.000002	0.001299
3.40	1720.000001	0.000756	1770.000004	0.002034
4.40	1720.000003	0.001453	1770.000003	0.001921

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 66			
	Channel Bandwidth 20MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1720.000002	0.000930	1770.000001	0.000621
-20	1720.000003	0.001570	1770.000002	0.000960
-10	1720.000003	0.001570	1770.000003	0.001412
0	1720.000002	0.001105	1770.000002	0.001130
10	1719.999998	-0.000988	1769.999997	-0.001808
20	1719.999997	-0.001919	1769.999996	-0.002203
30	1719.999997	-0.001512	1769.999996	-0.002203
40	1719.999998	-0.001221	1769.999996	-0.002203
50	1719.999998	-0.000930	1769.999998	-0.001073