FCC Test Report

(Part 24, Part 27 – n71A + LTE B2/B7/B66)

Report No.:	RFBBQZ-WTW-P20120749-9
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

Testing Laboratory
2021

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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 16
3.2.1 Description of Support Units 16
3.3 Test Mode Applicability and Tested Channel Detail 17
3.4 EUT Operating Conditions 27
3.5 General Description of Applied Standards and References 27

4 Test Types and Results 28

4.1 Output Power Measurement 28
4.1.1 Limits of Output Power Measurement 28
4.1.2 Test Procedures 28
4.1.3 Test Setup 29
4.1.4 Test Results 30
4.2 Modulation Characteristics Measurement 132
4.2.1 Limits of Modulation Characteristics 132
4.2.2 Test Procedure 132
4.2.3 Test Setup 132
4.2.4 Test Results 133
4.3 Frequency Stability Measurement 137
4.3.1 Limits of Frequency Stabiliity Measurement 137
4.3.2 Test Procedure 137
4.3.3 Conducted Setup 137
4.3.4 Test Results 138
4.4 Occupied Bandwidth Measurement 158
4.4.1 Test Procedure 158
4.4.2 Test Setup 158
4.4.3 Test Result 159
4.5 Band Edge Measurement 179
4.5.1 Limits of Band Edge Measurement 179
4.5.2 Test Setup 179
4.5.3 Test Procedures 180
4.5.4 Test Results 181
4.6 Peak to Average Ratio 201
4.6.1 Limits of Peak to Average Ratio Measurement 201
4.6.2 Test Setup 201
4.6.3 Test Procedures 201
4.6.4 Test Results 202
4.7 Conducted Spurious Emissions 212
4.7.1 Limits of Conducted Spurious Emissions Measurement 212
4.7.2 Test Setup 212
4.7.3 Test Procedure 212
4.7.4 Test Results 213
4.8 Radiated Emission Measurement 241
4.8.1 Limits of Radiated Emission Measurement 241
4.8.2 Test Procedure 241
4.8.3 Deviation from Test Standard 241
4.8.4 Test Setup 242
4.8.5 Test Results 243

5 Pictures of Test Arrangements 299

Appendix – Information of the Testing Laboratories 300

Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P20120749-9	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, M, N

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

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

Celine Chou / Senior Specialist

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

Bruce Chen / Senior Project Engineer

2 Summary of Test Results

For n71, LTE Band 7, LTE Band 66

Applied Standard: FCC Part 27 & Part 2					
FCC Clause			Test Item	Result	Remarks
n71	LTE B7	LTE B66			
2.1046 27.50 (c)	2.1046 27.50 (h)(2)	2.1046 27.50 (d)(4)	Equivalent Isotropically Radiated Power / Equivalent Radiated Power	Pass	Meet the requirement of limit.
2.1047	2.1047	2.1047	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	2.1055 27.54	Frequency Stability Stay with the authorized bands of operation	Pass	Meet the requirement of limit.
2.1049	2.1049	2.1049	Occupied Bandwidth	Pass	Meet the requirement of limit.
2.1051 27.53 (g)	2.1051 27.53 (m)(4)(6)	2.1051 27.53 (h)	Band Edge / Out of Band Emissions Measurements	Pass	Meet the requirement of limit.
2.1051 27.53 (g)	2.1051 27.53 (m)(4)(6)	2.1051 27.53 (h)	Conducted Spurious Emissions	Pass	Meet the requirement of limit.
2.1053 27.53 (g)	2.1053 27.53 (m)(4)(6)	2.1053 27.53 (h)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -26.31dB at 62.33MHz.

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

For LTE Band 2

Applied Standard: FCC Part 24 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 24.232	Effective 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 -23.81dB at 62.33MHz.

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

2.1 Measurement Uncertainty

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

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

2.2 Test Site and Instruments

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

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)

n71

Modulation Type	$\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM					
Waveform Type	CP-OFDM, DFT-s-OFDM					
Operating Frequency	n71 (Channel Bandwidth 5MHz)	665.5MHz ~ 695.5MHz				
	n71 (Channel Bandwidth 10MHz)	668.0MHz ~ 693.0MHz				
	n71 (Channel Bandwidth 15MHz)	670.5MHz ~ 690.5MHz				
	n71 (Channel Bandwidth 20MHz)	673.0MHz ~ 688.0MHz				
Max. ERP Power (Internal Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n71 (Channel Bandwidth 5MHz)	190.546mW (22.80dBm)	169.824mW (22.30dBm)	138.038mW (21.40dBm)	123.027mW (20.90dBm)	89.125mW (19.50dBm)
	n71 (Channel Bandwidth 10MHz)	194.984mW (22.90dBm)	173.780mW (22.40dBm)	141.254mW (21.50dBm)	123.027mW (20.90dBm)	89.125mW (19.50dBm)
	n71 (Channel Bandwidth 15MHz)	186.209mW (22.70dBm)	169.824mW (22.30dBm)	138.038mW (21.40dBm)	123.027mW (20.90dBm)	87.096mW (19.40dBm)
	n71 (Channel Bandwidth 20MHz)	199.526mW (23.00dBm)	169.824mW (22.30dBm)	141.254mW (21.50dBm)	134.896mW (21.30dBm)	93.325mW (19.70dBm)
Max. ERP Power (External Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n71 (Channel Bandwidth 5MHz)	234.423mW (23.70dBm)	223.872mW (23.50dBm)	186.209mW (22.70dBm)	158.489mW (22.00dBm)	112.202mW (20.50dBm)
	n71 (Channel Bandwidth 10MHz)	251.189mW (24.00dBm)	245.471mW (23.90dBm)	194.984mW (22.90dBm)	177.828mW (22.50dBm)	120.226mW (20.80dBm)
	n71 (Channel Bandwidth 15MHz)	245.471mW (23.90dBm)	239.883mW (23.80dBm)	194.984mW (22.90dBm)	169.824mW (22.30dBm)	120.226mW (20.80dBm)
	n71 (Channel Bandwidth 20MHz)	257.040mW (24.10dBm)	245.471mW (23.90dBm)	194.984mW (22.90dBm)	177.828mW (22.50dBm)	125.893mW (21.00dBm)
Emission Designator		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n71 (Channel Bandwidth 5MHz)	4M47G7D	4M47G7D	4M47D7W	4M47D7W	4M47D7W
	n71 (Channel Bandwidth 10MHz)	9M20G7D	9M28G7D	9M28D7W	9M28D7W	9M29D7W
	n71 (Channel Bandwidth 15MHz)	14M0G7D	14M1G7D	14M1D7W	14M1D7W	14M1D7W
	n71 (Channel Bandwidth 20MHz)	18M8G7D	18M9G7D	18M9D7W	18M9D7W	18M9D7W

LTE Band

Modulation Type	QPSK, 16QAM, 64QAM, 256QAM				
Operating Frequency	LTE Band 2 (Channel Bandwidth 1.4MHz)	1850.7MHz ~ 1909.3MHz			
	LTE Band 2 (Channel Bandwidth 3MHz)	1851.5MHz ~ 1908.5MHz			
	LTE Band 2 (Channel Bandwidth 5MHz)	1852.5MHz ~ 1907.5MHz			
	LTE Band 2 (Channel Bandwidth 10MHz)	1855.0MHz ~ 1905.0MHz			
	LTE Band 2 (Channel Bandwidth 15MHz)	1857.5MHz ~ 1902.5MHz			
	LTE Band 2 (Channel Bandwidth 20MHz)	1860.0MHz ~ 1900.0MHz			
	LTE Band 7 (Channel Bandwidth 5MHz)	2502.5MHz ~ 2567.5MHz			
	LTE Band 7 (Channel Bandwidth 10MHz)	2505.0MHz ~ 2565.0MHz			
	LTE Band 7 (Channel Bandwidth 15MHz)	2507.5MHz ~ 2562.5MHz			
	LTE Band 7 (Channel Bandwidth 20MHz)	2510.0MHz ~ 2560.0MHz			
	LTE Band 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. EIRP Power (Internal Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 2 (Channel Bandwidth 1.4MHz)	112.202mW (20.50dBm)	87.096mW (19.40dBm)	79.433mW (19.00dBm)	57.544mW (17.60dBm)
	LTE Band 2 (Channel Bandwidth 3MHz)	109.648mW (20.40dBm)	87.096mW (19.40dBm)	77.625mW (18.90dBm)	54.954mW (17.40dBm)
	LTE Band 2 (Channel Bandwidth 5MHz)	114.815mW (20.60dBm)	89.125mW (19.50dBm)	77.625mW (18.90dBm)	56.234mW (17.50dBm)
	LTE Band 2 (Channel Bandwidth 10MHz)	120.226mW (20.80dBm)	97.724mW (19.90dBm)	89.125mW (19.50dBm)	60.256mW (17.80dBm)
	LTE Band 2 (Channel Bandwidth 15MHz)	117.490mW (20.70dBm)	87.096mW (19.40dBm)	79.433mW (19.00dBm)	58.884mW (17.70dBm)
	LTE Band 2 (Channel Bandwidth 20MHz)	123.027mW (20.90dBm)	89.125mW (19.50dBm)	77.625mW (18.90dBm)	56.234mW (17.50dBm)
	LTE Band 7 (Channel Bandwidth 5MHz)	138.038mW (21.40dBm)	100.000mW (20.00dBm)	89.125mW (19.50dBm)	61.660mW (17.90dBm)
	LTE Band 7 (Channel Bandwidth 10MHz)	131.826mW (21.20dBm)	107.152mW (20.30dBm)	95.499mW (19.80dBm)	66.069mW (18.20dBm)
	LTE Band 7 (Channel Bandwidth 15MHz)	134.896mW (21.30dBm)	107.152mW (20.30dBm)	95.499mW (19.80dBm)	64.565mW (18.10dBm)
	LTE Band 7 (Channel Bandwidth 20MHz)	138.038mW (21.40dBm)	112.202mW (20.50dBm)	97.724mW (19.90dBm)	70.795mW (18.50dBm)

Max. EIRP Power (Internal Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 66 (Channel Bandwidth 1.4MHz)	104.713mW (20.20dBm)	83.176mW (19.20dBm)	75.858mW (18.80dBm)	53.703mW (17.30dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	107.152mW (20.30dBm)	85.114mW (19.30dBm)	77.625mW (18.90dBm)	56.234mW (17.50dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	104.713mW (20.20dBm)	85.114mW (19.30dBm)	77.625mW (18.90dBm)	56.234mW (17.50dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	107.152mW (20.30dBm)	89.125mW (19.50dBm)	81.283mW (19.10dBm)	57.544mW (17.60dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	107.152mW (20.30dBm)	87.096mW (19.40dBm)	75.858mW (18.80dBm)	53.703mW (17.30dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	109.648mW (20.40dBm)	89.125mW (19.50dBm)	77.625mW (18.90dBm)	56.234mW (17.50dBm)
Max. EIRP Power (External Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 2 (Channel Bandwidth 1.4MHz)	61.660mW (17.90dBm)	47.863mW (16.80dBm)	43.652mW (16.40dBm)	30.200mW (14.80dBm)
	LTE Band 2 (Channel Bandwidth 3MHz)	61.660mW (17.90dBm)	47.863mW (16.80dBm)	43.652mW (16.40dBm)	31.623mW (15.00dBm)
	LTE Band 2 (Channel Bandwidth 5MHz)	57.544mW (17.60dBm)	44.668mW (16.50dBm)	39.811mW (16.00dBm)	27.542mW (14.40dBm)
	LTE Band 2 (Channel Bandwidth 10MHz)	60.256mW (17.80dBm)	50.119mW (17.00dBm)	45.709mW (16.60dBm)	33.113mW (15.20dBm)
	LTE Band 2 (Channel Bandwidth 15MHz)	61.660mW (17.90dBm)	48.978mW (16.90dBm)	44.668mW (16.50dBm)	32.359mW (15.10dBm)
	LTE Band 2 (Channel Bandwidth 20MHz)	63.096mW (18.00dBm)	50.119mW (17.00dBm)	44.668mW (16.50dBm)	31.623mW (15.00dBm)
	LTE Band 7 (Channel Bandwidth 5MHz)	91.201mW (19.60dBm)	74.131mW (18.70dBm)	64.565mW (18.10dBm)	45.709mW (16.60dBm)
	LTE Band 7 (Channel Bandwidth 10MHz)	89.125mW (19.50dBm)	67.608mW (18.30dBm)	60.256mW (17.80dBm)	41.687mW (16.20dBm)
	LTE Band 7 (Channel Bandwidth 15MHz)	89.125mW (19.50dBm)	74.131mW (18.70dBm)	67.608mW (18.30dBm)	47.863mW (16.80dBm)
	LTE Band 7 (Channel Bandwidth 20MHz)	93.325mW (19.70dBm)	74.131mW (18.70dBm)	67.608mW (18.30dBm)	47.863mW (16.80dBm)

Max. EIRP Power (External Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 66 (Channel Bandwidth 1.4MHz)	102.329mW (20.10dBm)	83.176mW (19.20dBm)	75.858mW (18.80dBm)	53.703mW (17.30dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	107.152mW (20.30dBm)	81.283mW (19.10dBm)	74.131mW (18.70dBm)	52.481mW (17.20dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	109.648mW (20.40dBm)	87.096mW (19.40dBm)	79.433mW (19.00dBm)	54.954mW (17.40dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	104.713mW (20.20dBm)	87.096mW (19.40dBm)	79.433mW (19.00dBm)	57.544mW (17.60dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	109.648mW (20.40dBm)	89.125mW (19.50dBm)	79.433mW (19.00dBm)	54.954mW (17.40dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	112.202mW (20.50dBm)	93.325mW (19.70dBm)	81.283mW (19.10dBm)	58.884mW (17.70dBm)
Emission Designator		QPSK	16QAM	64QAM	256QAM
	LTE Band 2 (Channel Bandwidth 1.4MHz)	1M09G7D	1M09G7D	1M09D7W	1M09D7W
	LTE Band 2 (Channel Bandwidth 3MHz)	2M70G7D	2M69G7D	2M70D7W	2M70D7W
	LTE Band 2 (Channel Bandwidth 5MHz)	4M49G7D	4M49G7D	4M50D7W	4M49D7W
	LTE Band 2 (Channel Bandwidth 10MHz)	8M96G7D	8M96G7D	8M96D7W	8M96D7W
	LTE Band 2 (Channel Bandwidth 15MHz)	13M5G7D	13M5G7D	13M4D7W	13M5D7W
	LTE Band 2 (Channel Bandwidth 20MHz)	17M9G7D	17M9G7D	17M9D7W	17M9D7W
	LTE Band 7 (Channel Bandwidth 5MHz)	4M49G7D	4M49D7W	4M50D7W	4M49D7W
	LTE Band 7 (Channel Bandwidth 10MHz)	8M95G7D	8M96D7W	8M96D7W	8M95D7W
	LTE Band 7 (Channel Bandwidth 15MHz)	13M5G7D	13M4D7W	13M4D7W	13M5D7W
	LTE Band 7 (Channel Bandwidth 20MHz)	17M9G7D	18M0D7W	17M9D7W	18M0D7W
	LTE Band 66 (Channel Bandwidth 1.4MHz)	1M09G7D	1M09G7D	1M09D7W	1M09D7W
	LTE Band 66 (Channel Bandwidth 3MHz)	2M70G7D	2M69G7D	2M70D7W	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	n71 + LTE Band 2 (Internal Antenna)		Maximum EIRP	Sum Bandwidth
		n71	199.526mW (23.00dBm)	36M7G7D
		LTE Band 2 (EIRP)	123.027mW (20.90dBm)	
			EIRP	MAX Sum Bandwidth
		n71	169.824mW (22.30dBm)	36M8G7D
		LTE Band 2 (EIRP)	123.027mW (20.90dBm)	
	n71 + LTE Band 2 (External Antenna)		Maximum EIRP	Sum Bandwidth
		n71	257.040mW (24.10dBm)	36M7G7D
		LTE Band 2 (EIRP)	63.096mW (18.00dBm)	
			EIRP	MAX Sum Bandwidth
		n71	245.471mW (23.90dBm)	36M8G7D
		LTE Band 2 (EIRP)	63.096mW (18.00dBm)	
	n71 + LTE Band 7 (Internal Antenna)		Maximum EIRP	Sum Bandwidth
		n71	199.526mW (23.00dBm)	36M7G7D
		LTE Band 7 (EIRP)	138.038mW (21.40dBm)	
			EIRP	MAX Sum Bandwidth
		n71	169.824mW (22.30dBm)	36M9G7D
		LTE Band 7 (EIRP)	112.202mW (20.50dBm)	
	n71 + LTE Band 7 (External Antenna)		Maximum EIRP	Sum Bandwidth
		n71	257.040mW (24.10dBm)	36M7G7D
		LTE Band 7 (EIRP)	93.325mW (19.70dBm)	
			EIRP	MAX Sum Bandwidth
		n71	245.471mW (23.90dBm)	36M9G7D
		LTE Band 7 (EIRP)	74.131mW (18.70dBm)	
	n71 + LTE Band 66 (Internal Antenna)		Maximum EIRP	Sum Bandwidth
		n71	199.526mW (23.00dBm)	36M7G7D
		LTE Band 66 (EIRP)	109.648mW (20.40dBm)	
			EIRP	MAX Sum Bandwidth
		n71	169.824mW (22.30dBm)	36M9G7D
		LTE Band 66 (EIRP)	89.125mW (19.50dBm)	
	n71 + LTE Band 66 (External Antenna)		Maximum EIRP	Sum Bandwidth
		n71	257.040mW (24.10dBm)	36M7G7D
		LTE Band 66 (EIRP)	112.202mW (20.50dBm)	
			EIRP	MAX Sum Bandwidth
		n71	245.471mW (23.90dBm)	36M9G7D
		LTE Band 66 (EIRP)	93.325mW (19.70dBm)	

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

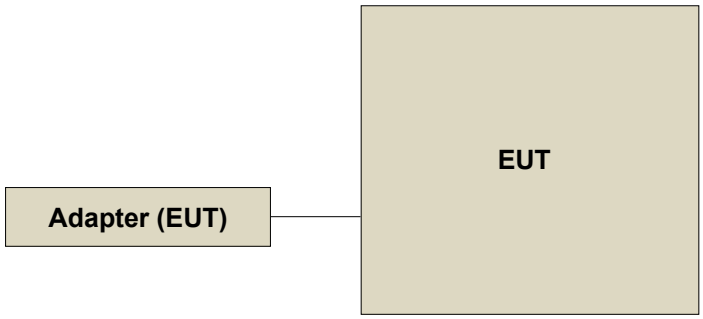
No.	Type	Connector	Gain (dBi)												
			B2	B4	B5	B7	B12	B13	B17	B25	B30	B38	B41	B66	B71
1	Monopole	TS-9 plugs	0.48	0.48	0.54	0.24	0.54	0.54	0.54	0.48	0.24	0.24	0.24	0.48	0.54
2	Monopole	TS-9 plugs	0.25	0.25	0.48	0.28	0.48	0.48	0.48	0.25	0.28	0.28	0.28	0.25	0.48

* 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



Remote site

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
n71	X-plane	Z-plane	Z-plane	Z-plane
LTE Band 2	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 7	Z-plane	Z-plane	Z-plane	Z-plane
LTE Band 66	Z-plane	Z-plane	Z-plane	Z-plane

n71

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	133100 to 139100	133100 (665.5MHz), 136100 (680.5MHz), 139100 (695.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		133600 to 138600	133600 (668.0MHz), 136100 (680.5MHz), 138600 (693.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		134100 to 138100	134100 (670.5MHz), 136100 (680.5MHz), 138100 (690.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		134600 to 137600	134600 (673.0MHz), 136100 (680.5MHz), 137600 (688.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Modulation Characteristics	134600 to 137600	136100 (680.5MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	106 RB / 0 RB Offset
-	Frequency Stability	133100 to 139100	133100 (665.5MHz), 139100 (695.5MHz)	5MHz	$\pi/2$ BPSK	25 RB / 0 RB Offset
		133600 to 138600	133600 (668.0MHz), 138600 (693.0MHz)	10MHz	$\pi/2$ BPSK	52 RB / 0 RB Offset
		134100 to 138100	134100 (670.5MHz), 138100 (690.5MHz)	15MHz	$\pi/2$ BPSK	79 RB / 0 RB Offset
		134600 to 137600	134600 (673.0MHz), 137600 (688.0MHz)	20MHz	$\pi/2$ BPSK	106 RB / 0 RB Offset
-	Emission Bandwidth	133100 to 139100	133100 (665.5MHz), 136100 (680.5MHz), 139100 (695.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		133600 to 138600	133600 (668.0MHz), 136100 (680.5MHz), 138600 (693.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	52 RB / 0 RB Offset
		134100 to 138100	134100 (670.5MHz), 136100 (680.5MHz), 138100 (690.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	79 RB / 0 RB Offset
		134600 to 137600	134600 (673.0MHz), 136100 (680.5MHz), 137600 (688.0MHz)	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	133100 to 139100	133100 (665.5MHz), 139100 (695.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		133600 to 138600	133600 (668.0MHz), 138600 (693.0MHz)	10MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 51 RB Offset 52 RB / 0 RB Offset
		134100 to 138100	134100 (670.5MHz), 138100 (690.5MHz)	15MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 78 RB Offset 79 RB / 0 RB Offset
		134600 to 137600	134600 (673.0MHz), 137600 (688.0MHz)	20MHz	$\pi/2$ BPSK	1 RB / 0 RB Offset 1 RB / 105 RB Offset 106 RB / 0 RB Offset
-	Peak to Average Ratio	133100 to 139100	133100 (665.5MHz), 136100 (680.5MHz), 139100 (695.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		133600 to 138600	133600 (668.0MHz), 136100 (680.5MHz), 138600 (693.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		134100 to 138100	134100 (670.5MHz), 136100 (680.5MHz), 138100 (690.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		134600 to 137600	134600 (673.0MHz), 136100 (680.5MHz), 137600 (688.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Conducted Emission	133100 to 139100	133100 (665.5MHz), 136100 (680.5MHz), 139100 (695.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		133600 to 138600	133600 (668.0MHz), 136100 (680.5MHz), 138600 (693.0MHz)	10MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		134100 to 138100	134100 (670.5MHz), 136100 (680.5MHz), 138100 (690.5MHz)	15MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		134600 to 137600	134600 (673.0MHz), 136100 (680.5MHz), 137600 (688.0MHz)	20MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
-	Radiated Emission Below 1GHz	134600 to 137600	136100 (680.5MHz)	20MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
-	Radiated Emission Above 1GHz	133100 to 139100	133100 (665.5MHz), 136100 (680.5MHz), 139100 (695.5MHz)	5MHz	$\pi/2$ BPSK	1 RB / 1 RB Offset
		134600 to 137600	134600 (673.0MHz), 136100 (680.5MHz), 137600 (688.0MHz)	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 2

EUT Configure Mode	Test item	Available channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	EIRP	18607 to 19193	18607 (1850.7MHz), 18900 (1880.0MHz), 19193 (1909.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18615 to 19185	18615 (1851.5MHz), 18900 (1880.0MHz), 19185 (1908.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.5MHz), 18900 (1880.0MHz), 19175 (1907.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18650 to 19150	18650 (1855.0MHz), 18900 (1880.0MHz), 19150 (1905.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18675 to 19125	18675 (1857.5MHz), 18900 (1880.0MHz), 19125 (1902.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.0MHz), 18900 (1880.0MHz), 19100 (1900.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Modulation Characteristics	18700 to 19100	18900 (1880.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	100 RB / 0 RB Offset
-	Frequency Stability	18607 to 19193	18607 (1850.7MHz), 19193 (1909.3MHz)	1.4MHz	QPSK	6 RB / 0 RB Offset
		18615 to 19185	18615 (1851.5MHz), 19185 (1908.5MHz)	3MHz	QPSK	15 RB / 0 RB Offset
		18625 to 19175	18625 (1852.5MHz), 19175 (1907.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		18650 to 19150	18650 (1855.0MHz), 19150 (1905.0MHz)	10MHz	QPSK	50 RB / 0 RB Offset
		18675 to 19125	18675 (1857.5MHz), 19125 (1902.5MHz)	15MHz	QPSK	75 RB / 0 RB Offset
		18700 to 19100	18700 (1860.0MHz), 19100 (1900.0MHz)	20MHz	QPSK	100 RB / 0 RB Offset
-	Occupied Bandwidth	18607 to 19193	18607 (1850.7MHz), 18900 (1880.0MHz), 19193 (1909.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	6 RB / 0RB Offset
		18615 to 19185	18615 (1851.5MHz), 18900 (1880.0MHz), 19185 (1908.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	15 RB / 0RB Offset
		18625 to 19175	18625 (1852.5MHz), 18900 (1880.0MHz), 19175 (1907.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	25RB / 0RB Offset
		18650 to 19150	18650 (1855.0MHz), 18900 (1880.0MHz), 19150 (1905.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	50RB / 0RB Offset
		18675 to 19125	18675 (1857.5MHz), 18900 (1880.0MHz), 19125 (1902.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	75 RB / 0 RB Offset
		18700 to 19100	18700 (1860.0MHz), 18900 (1880.0MHz), 19100 (1900.0MHz)	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	18607 to 19193	18607 (1850.7MHz), 19193 (1909.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset 1 RB / 5 RB Offset 6 RB / 0 RB Offset
		18615 to 19185	18615 (1851.5MHz), 19185 (1908.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset 1 RB / 14 RB Offset 15 RB / 0 RB Offset
		18625 to 19175	18625 (1852.5MHz), 19175 (1907.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		18650 to 19150	18650 (1855.0MHz), 19150 (1905.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 49 RB Offset 50 RB / 0 RB Offset
		18675 to 19125	18675 (1857.5MHz), 19125 (1902.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 74 RB Offset 75 RB / 0 RB Offset
		18700 to 19100	18700 (1860.0MHz), 19100 (1900.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 99 RB Offset 100 RB / 0 RB Offset
-	Peak to Average Ratio	18607 to 19193	18607 (1850.7MHz), 18900 (1880.0MHz), 19193 (1909.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18615 to 19185	18615 (1851.5MHz), 18900 (1880.0MHz), 19185 (1908.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.5MHz), 18900 (1880.0MHz), 19175 (1907.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18650 to 19150	18650 (1855.0MHz), 18900 (1880.0MHz), 19150 (1905.0MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18675 to 19125	18675 (1857.5MHz), 18900 (1880.0MHz), 19125 (1902.5MHz)	15MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.0MHz), 18900 (1880.0MHz), 19100 (1900.0MHz)	20MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 0 RB Offset
-	Conducted Emission	18607 to 19193	18607 (1850.7MHz), 18900 (1880.0MHz), 19193 (1909.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		18615 to 19185	18615 (1851.5MHz), 18900 (1880.0MHz), 19185 (1908.5MHz)	3MHz	QPSK	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.5MHz), 18900 (1880.0MHz), 19175 (1907.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		18650 to 19150	18650 (1855.0MHz), 18900 (1880.0MHz), 19150 (1905.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset
		18675 to 19125	18675 (1857.5MHz), 18900 (1880.0MHz), 19125 (1902.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.0MHz), 18900 (1880.0MHz), 19100 (1900.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	Radiated Emission Below 1GHz	18700 to 19100	18900 (1880.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	18607 to 19193	18607 (1850.7MHz), 18900 (1880.0MHz), 19193 (1909.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		18625 to 19175	18625 (1852.5MHz), 18900 (1880.0MHz), 19175 (1907.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		18700 to 19100	18700 (1860.0MHz), 18900 (1880.0MHz), 19100 (1900.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

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

LTE Band 7

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

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

Note:

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

LTE Band 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	132322 (1745.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	131979 to 132665	131979 (1710.7MHz), 132322 (1745.0MHz), 132665 (1779.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997 (1712.5MHz), 132322 (1745.0MHz), 132647 (1777.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072 (1720.0MHz), 132322 (1745.0MHz), 132572 (1770.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset

Note:

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

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 n71:
Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink, 746-757 MHz,787-788 MHz and 805-806 MHz band are limited to 3 watts ERP.

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

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

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

4.1.2 Test Procedures

EIRP / ERP Measurement:

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

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

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

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

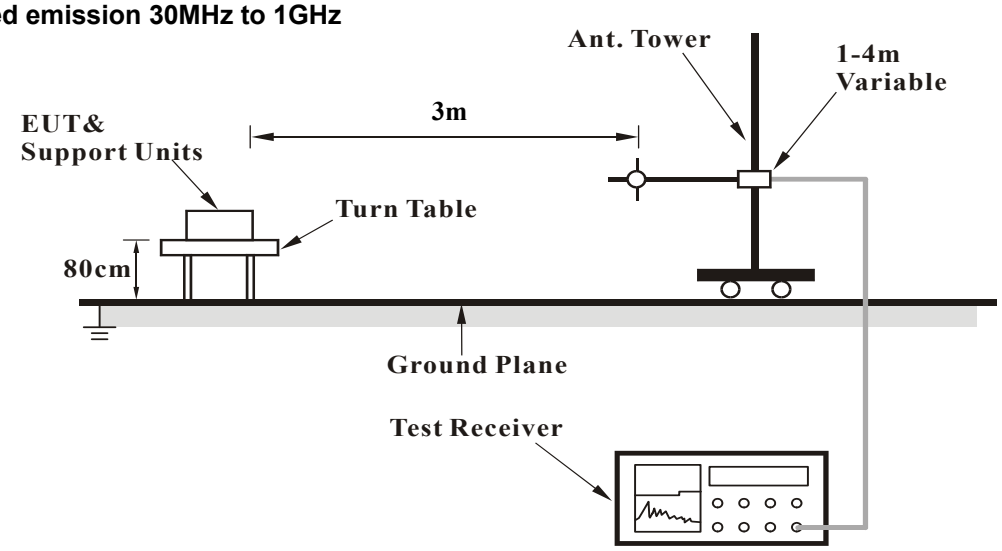
Conducted Power Measurement:

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

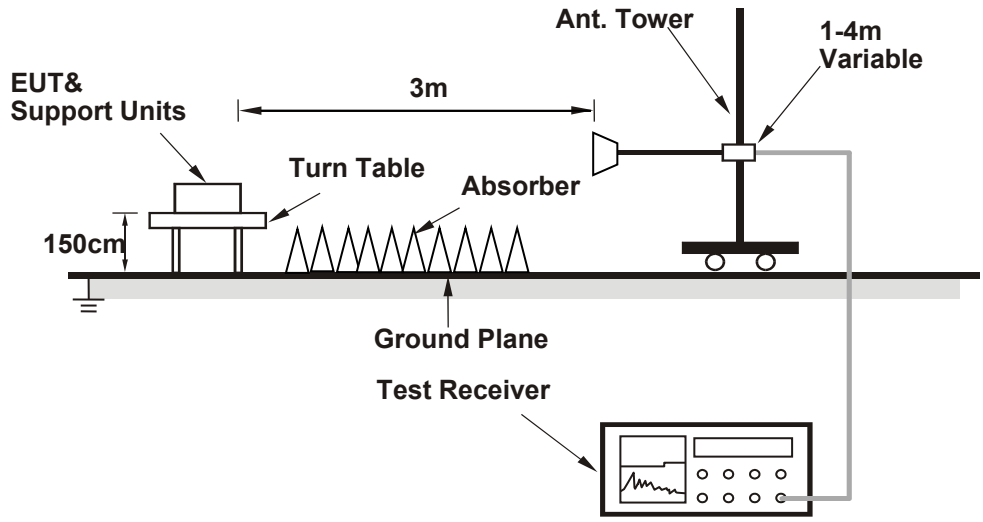
4.1.3 Test Setup

EIRP / ERP Measurement:

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



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

Conducted Power Measurement:

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

4.1.4 Test Results

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

Conducted Output Power (dBm)

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		134600	136100	137600
		Frequency (MHz)		673	680.5	688
20M	$\pi/2$ BPSK	1	1	23.91	23.38	23.10
		1	53	23.58	23.05	22.77
		1	104	23.25	22.72	22.44
		50	0	23.15	22.62	22.34
		50	25	23.67	23.14	22.86
		50	53	22.87	22.34	22.06
		100	0	23.12	22.59	22.31
	QPSK	1	1	23.93	23.40	23.12
		1	53	23.61	23.08	22.80
		1	104	23.30	22.77	22.49
		50	0	22.63	22.10	21.82
		50	25	23.67	23.14	22.86
		50	53	22.40	21.87	21.59
		100	0	22.59	22.06	21.78
	16QAM	1	1	22.77	22.24	21.96
	64QAM	1	1	21.15	20.62	20.34
	256QAM	1	1	18.90	18.37	18.09
BW	MCS Index	Channel		134100	136100	138100
		Frequency (MHz)		670.5	680.5	690.5
15M	$\pi/2$ BPSK	1	1	23.89	23.36	23.08
		1	40	23.56	23.03	22.75
		1	77	23.23	22.70	22.42
		36	0	23.13	22.60	22.32
		36	18	23.65	23.12	22.84
		36	40	22.85	22.32	22.04
		75	0	23.10	22.57	22.29
	QPSK	1	1	23.91	23.38	23.10
		1	40	23.59	23.06	22.78
		1	77	23.28	22.75	22.47
		36	0	22.61	22.08	21.80
		36	18	23.65	23.12	22.84
		36	40	22.38	21.85	21.57
		75	0	22.57	22.04	21.76
	16QAM	1	1	22.75	22.22	21.94
	64QAM	1	1	21.13	20.60	20.32
	256QAM	1	1	18.88	18.35	18.07

NR Band 71						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		133600	136100	138600
		Frequency (MHz)		668	680.5	693
10M	$\pi/2$ BPSK	1	1	23.90	23.37	23.09
		1	26	23.57	23.04	22.76
		1	50	23.24	22.71	22.43
		25	0	23.14	22.61	22.33
		25	12	23.66	23.13	22.85
		25	26	22.86	22.33	22.05
		50	0	23.11	22.58	22.30
	QPSK	1	1	23.92	23.39	23.11
		1	26	23.60	23.07	22.79
		1	50	23.29	22.76	22.48
		25	0	22.62	22.09	21.81
		25	12	23.66	23.13	22.85
		25	26	22.39	21.86	21.58
		50	0	22.58	22.05	21.77
	16QAM	1	1	22.76	22.23	21.95
	64QAM	1	1	21.14	20.61	20.33
	256QAM	1	1	18.89	18.36	18.08
BW	MCS Index	Channel		133100	136100	139100
		Frequency (MHz)		665.5	680.5	695.5
5M	$\pi/2$ BPSK	1	1	23.88	23.35	23.07
		1	13	23.55	23.02	22.74
		1	23	23.22	22.69	22.41
		12	0	23.12	22.59	22.31
		12	6	23.64	23.11	22.83
		12	13	22.84	22.31	22.03
		25	0	23.09	22.56	22.28
	QPSK	1	1	23.90	23.37	23.09
		1	13	23.58	23.05	22.77
		1	23	23.27	22.74	22.46
		12	0	22.60	22.07	21.79
		12	6	23.64	23.11	22.83
		12	13	22.37	21.84	21.56
		25	0	22.56	22.03	21.75
	16QAM	1	1	22.74	22.21	21.93
	64QAM	1	1	21.12	20.59	20.31
	256QAM	1	1	18.87	18.34	18.06

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18700	18900	19100
		Frequency (MHz)		1860	1880	1900
20M	QPSK	1	0	21.08	21.74	21.19
		1	50	20.93	21.65	21.07
		1	99	20.83	21.47	20.86
		50	0	19.94	20.64	20.10
		50	25	19.76	20.45	19.93
		50	50	19.60	20.30	19.82
		100	0	19.99	20.58	20.08
	16QAM	1	0	20.05	20.73	20.18
		1	50	19.86	20.58	20.02
		1	99	19.81	20.46	19.83
		50	0	18.89	19.47	18.97
		50	25	18.72	19.43	18.89
		50	50	18.51	19.24	18.77
		100	0	18.97	19.54	19.04
	64QAM	1	0	19.02	19.64	19.09
		1	50	18.80	19.57	18.99
		1	99	18.79	19.45	18.78
		50	0	17.86	18.43	17.90
		50	25	17.68	18.41	17.88
		50	50	17.49	18.22	17.74
		100	0	17.88	18.52	18.01
	256QAM	1	0	17.93	18.55	18.07
		1	50	17.72	18.55	17.92
		1	99	17.73	18.40	17.72
		50	0	16.85	17.41	16.88
		50	25	16.63	17.34	16.82
		50	50	16.44	17.18	16.70
		100	0	16.84	17.43	17.00

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18675	18900	19125
		Frequency (MHz)		1857.5	1880	1902.5
15M	QPSK	1	0	21.05	21.67	21.15
		1	37	20.94	21.59	20.98
		1	74	20.78	21.31	20.81
		36	0	19.92	20.59	20.00
		36	19	19.74	20.37	19.80
		36	39	19.69	20.21	19.72
		75	0	19.83	20.51	19.96
	16QAM	1	0	19.91	20.60	19.99
		1	37	19.93	20.52	19.93
		1	74	19.70	20.24	19.78
		36	0	18.75	19.57	18.92
		36	19	18.73	19.32	18.78
		36	39	18.68	19.14	18.66
		75	0	18.76	19.42	18.91
	64QAM	1	0	18.90	19.54	18.97
		1	37	18.92	19.44	18.84
		1	74	18.69	19.21	18.72
		36	0	17.66	18.56	17.91
		36	19	17.67	18.31	17.73
		36	39	17.66	18.06	17.59
		75	0	17.74	18.36	17.83
	256QAM	1	0	17.89	18.51	17.88
		1	37	17.89	18.40	17.79
		1	74	17.62	18.17	17.69
		36	0	16.63	17.50	16.83
		36	19	16.63	17.29	16.66
		36	39	16.63	16.97	16.56
		75	0	16.67	17.35	16.80

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18650	18900	19150
		Frequency (MHz)		1855	1880	1905
10M	QPSK	1	0	20.94	21.63	21.13
		1	24	20.76	21.54	20.95
		1	49	20.70	21.45	20.68
		25	0	19.80	20.50	19.93
		25	12	19.61	20.31	19.79
		25	25	19.60	20.25	19.70
		50	0	19.73	20.42	19.92
	16QAM	1	0	19.84	20.39	19.88
		1	24	19.75	20.50	19.89
		1	49	19.62	20.37	19.66
		25	0	18.62	19.45	18.71
		25	12	18.58	19.28	18.72
		25	25	18.55	19.23	18.63
		50	0	18.65	19.33	18.87
	64QAM	1	0	18.81	19.36	18.83
		1	24	18.68	19.47	18.83
		1	49	18.59	19.36	18.64
		25	0	17.54	18.39	17.69
		25	12	17.57	18.21	17.70
		25	25	17.53	18.18	17.59
		50	0	17.60	18.29	17.79
	256QAM	1	0	17.73	18.31	17.82
		1	24	17.67	18.41	17.80
		1	49	17.51	18.34	17.59
		25	0	16.53	17.33	16.63
		25	12	16.51	17.12	16.69
		25	25	16.46	17.12	16.51
		50	0	16.51	17.25	16.76

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18625	18900	19175
		Frequency (MHz)		1852.5	1880	1907.5
5M	QPSK	1	0	20.92	21.55	21.07
		1	12	20.78	21.41	20.86
		1	24	20.63	21.26	20.69
		12	0	19.79	20.45	19.89
		12	6	19.58	20.30	19.67
		12	13	19.51	20.23	19.61
		25	0	19.77	20.53	19.87
	16QAM	1	0	19.69	20.34	19.72
		1	12	19.69	20.34	19.85
		1	24	19.59	20.20	19.65
		12	0	18.71	19.44	18.71
		12	6	18.52	19.26	18.63
		12	13	18.47	19.16	18.54
		25	0	18.76	19.47	18.80
	64QAM	1	0	18.65	19.31	18.64
		1	12	18.66	19.30	18.82
		1	24	18.55	19.16	18.57
		12	0	17.66	18.43	17.70
		12	6	17.49	18.25	17.54
		12	13	17.45	18.11	17.49
		25	0	17.71	18.42	17.74
	256QAM	1	0	17.58	18.30	17.61
		1	12	17.59	18.28	17.73
		1	24	17.52	18.08	17.55
		12	0	16.58	17.42	16.66
		12	6	16.43	17.17	16.48
		12	13	16.37	17.02	16.40
		25	0	16.66	17.38	16.68

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18615	18900	19185
		Frequency (MHz)		1851.5	1880	1908.5
3M	QPSK	1	0	20.87	21.47	20.94
		1	7	20.79	21.42	20.78
		1	14	20.67	21.32	20.61
		8	0	19.77	20.31	19.83
		8	3	19.54	20.14	19.60
		8	7	19.54	20.01	19.63
		15	0	19.62	20.38	19.81
	16QAM	1	0	19.44	20.16	19.65
		1	7	19.75	20.34	19.75
		1	14	19.63	20.23	19.56
		8	0	18.76	19.25	18.72
		8	3	18.49	19.10	18.56
		8	7	18.47	18.94	18.55
		15	0	18.56	19.29	18.78
	64QAM	1	0	18.43	19.08	18.62
		1	7	18.70	19.26	18.67
		1	14	18.56	19.22	18.55
		8	0	17.70	18.23	17.64
		8	3	17.45	18.04	17.48
		8	7	17.39	17.90	17.54
		15	0	17.50	18.25	17.72
	256QAM	1	0	17.36	18.02	17.59
		1	7	17.65	18.25	17.59
		1	14	17.49	18.16	17.52
		8	0	16.67	17.19	16.63
		8	3	16.36	17.01	16.40
		8	7	16.32	16.84	16.49
		15	0	16.46	17.20	16.63

LTE Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		18607	18900	19193
		Frequency (MHz)		1850.7	1880	1909.3
1.4M	QPSK	1	0	20.80	21.45	20.93
		1	2	20.70	21.38	20.73
		1	5	20.48	21.27	20.60
		3	0	20.79	21.43	20.92
		3	1	20.71	21.41	20.74
		3	3	20.46	21.28	20.60
		6	0	19.66	20.26	19.66
	16QAM	1	0	19.78	20.36	19.86
		1	2	19.68	20.33	19.66
		1	5	19.45	20.24	19.58
		3	0	19.74	20.37	19.84
		3	1	19.70	20.36	19.70
		3	3	19.42	20.21	19.56
		6	0	18.55	19.18	18.64
	64QAM	1	0	18.76	19.31	18.82
		1	2	18.65	19.31	18.63
		1	5	18.40	19.23	18.49
		3	0	18.67	19.31	18.80
		3	1	18.63	19.34	18.69
		3	3	18.41	19.20	18.50
		6	0	17.49	18.13	17.54
	256QAM	1	0	17.71	18.24	17.78
		1	2	17.60	18.25	17.59
		1	5	17.35	18.21	17.43
		3	0	17.59	18.30	17.74
		3	1	17.54	18.32	17.60
		3	3	17.33	18.11	17.46
		6	0	16.47	17.06	16.43

LTE Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20850	21100	21350
		Frequency (MHz)		2510	2535	2560
20M	QPSK	1	0	22.51	22.73	22.21
		1	50	22.36	22.57	22.05
		1	99	22.19	22.40	21.86
		50	0	21.39	21.58	21.08
		50	25	21.22	21.39	20.89
		50	50	21.12	21.27	20.81
		100	0	21.40	21.60	21.01
	16QAM	1	0	21.43	21.68	21.19
		1	50	21.28	21.56	21.03
		1	99	21.18	21.32	20.77
		50	0	20.27	20.42	19.89
		50	25	20.15	20.33	19.85
		50	50	20.08	20.23	19.72
		100	0	20.36	20.57	19.98
	64QAM	1	0	20.37	20.61	20.12
		1	50	20.19	20.53	19.98
		1	99	20.15	20.28	19.76
		50	0	19.26	19.35	18.80
		50	25	19.11	19.32	18.77
		50	50	18.99	19.14	18.65
		100	0	19.35	19.56	18.93
	256QAM	1	0	19.34	19.56	19.06
		1	50	19.16	19.44	18.90
		1	99	19.10	19.19	18.68
		50	0	18.24	18.32	17.78
		50	25	18.08	18.24	17.68
		50	50	17.95	18.13	17.57
		100	0	18.33	18.55	17.87

LTE Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20825	21100	21375
		Frequency (MHz)		2507.5	2535	2562.5
15M	QPSK	1	0	22.45	22.70	22.17
		1	37	22.37	22.56	21.99
		1	74	22.14	22.46	21.87
		36	0	21.34	21.54	21.00
		36	19	21.19	21.36	20.82
		36	39	21.08	21.32	20.77
		75	0	21.33	21.47	20.96
	16QAM	1	0	21.36	21.57	21.05
		1	37	21.31	21.53	20.98
		1	74	21.05	21.39	20.86
		36	0	20.18	20.50	19.78
		36	19	20.10	20.34	19.73
		36	39	20.07	20.29	19.75
		75	0	20.24	20.45	19.94
	64QAM	1	0	20.29	20.48	20.04
		1	37	20.27	20.47	19.95
		1	74	20.03	20.35	19.82
		36	0	19.12	19.49	18.72
		36	19	19.09	19.29	18.69
		36	39	19.03	19.21	18.69
		75	0	19.17	19.39	18.89
	256QAM	1	0	19.28	19.39	18.95
		1	37	19.26	19.38	18.88
		1	74	19.00	19.34	18.76
		36	0	18.09	18.47	17.69
		36	19	18.03	18.25	17.60
		36	39	17.94	18.12	17.64
		75	0	18.15	18.33	17.87

LTE Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20800	21100	21400
		Frequency (MHz)		2505	2535	2565
10M	QPSK	1	0	22.43	22.60	22.12
		1	24	22.27	22.53	21.98
		1	49	22.04	22.41	21.75
		25	0	21.26	21.44	20.95
		25	12	21.04	21.23	20.76
		25	25	21.00	21.15	20.68
		50	0	21.22	21.47	20.98
	16QAM	1	0	21.19	21.44	20.88
		1	24	21.24	21.52	20.89
		1	49	21.02	21.35	20.74
		25	0	20.19	20.27	19.82
		25	12	20.03	20.16	19.74
		25	25	19.96	20.07	19.63
		50	0	20.18	20.40	19.89
	64QAM	1	0	20.18	20.40	19.84
		1	24	20.15	20.51	19.85
		1	49	19.93	20.33	19.73
		25	0	19.18	19.21	18.75
		25	12	18.99	19.12	18.72
		25	25	18.88	19.06	18.58
		50	0	19.09	19.34	18.80
	256QAM	1	0	19.11	19.32	18.82
		1	24	19.09	19.45	18.78
		1	49	18.87	19.29	18.70
		25	0	18.12	18.14	17.73
		25	12	17.96	18.08	17.66
		25	25	17.82	18.04	17.56
		50	0	18.05	18.31	17.76

LTE Band 7						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		20775	21100	21425
		Frequency (MHz)		2502.5	2535	2567.5
5M	QPSK	1	0	22.40	22.56	22.07
		1	12	22.19	22.43	21.98
		1	24	22.08	22.23	21.78
		12	0	21.14	21.42	20.91
		12	6	20.97	21.23	20.72
		12	13	20.90	21.17	20.65
		25	0	21.16	21.48	20.83
	16QAM	1	0	21.02	21.37	20.76
		1	12	21.10	21.38	20.95
		1	24	21.01	21.14	20.73
		12	0	20.04	20.20	19.83
		12	6	19.93	20.15	19.67
		12	13	19.87	20.15	19.57
		25	0	20.09	20.45	19.74
	64QAM	1	0	19.98	20.29	19.75
		1	12	20.09	20.32	19.88
		1	24	19.96	20.11	19.66
		12	0	19.00	19.11	18.76
		12	6	18.92	19.12	18.63
		12	13	18.84	19.10	18.51
		25	0	19.05	19.40	18.73
	256QAM	1	0	18.90	19.28	18.70
		1	12	19.06	19.24	18.79
		1	24	18.89	19.07	18.61
		12	0	17.93	18.09	17.75
		12	6	17.87	18.06	17.55
		12	13	17.75	18.04	17.44
		25	0	18.02	18.31	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	22.45	22.78	22.61
		1	50	22.34	22.64	22.50
		1	99	22.07	22.45	22.28
		50	0	21.33	21.69	21.49
		50	25	21.12	21.51	21.32
		50	50	21.08	21.42	21.19
		100	0	21.35	21.68	21.47
	16QAM	1	0	21.43	21.76	21.58
		1	50	21.27	21.63	21.41
		1	99	20.99	21.44	21.25
		50	0	20.11	20.61	20.30
		50	25	20.06	20.47	20.31
		50	50	20.07	20.34	20.10
		100	0	20.29	20.64	20.46
	64QAM	1	0	20.34	20.67	20.52
		1	50	20.25	20.62	20.40
		1	99	19.97	20.37	20.16
		50	0	19.04	19.60	19.25
		50	25	19.05	19.42	19.24
		50	50	19.06	19.27	19.04
		100	0	19.24	19.56	19.39
	256QAM	1	0	19.26	19.65	19.43
		1	50	19.20	19.53	19.32
		1	99	18.90	19.32	19.10
		50	0	17.95	18.59	18.21
		50	25	18.02	18.34	18.17
		50	50	18.00	18.24	18.00
		100	0	18.21	18.52	18.32

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	22.38	22.70	22.54
		1	37	22.27	22.64	22.43
		1	74	22.11	22.35	22.30
		36	0	21.27	21.63	21.42
		36	19	21.07	21.40	21.25
		36	39	20.98	21.30	21.24
		75	0	21.25	21.52	21.42
	16QAM	1	0	21.31	21.67	21.41
		1	37	21.26	21.58	21.36
		1	74	21.07	21.29	21.27
		36	0	20.21	20.41	20.24
		36	19	19.99	20.38	20.17
		36	39	19.96	20.26	20.16
		75	0	20.23	20.48	20.35
	64QAM	1	0	20.25	20.64	20.36
		1	37	20.18	20.49	20.29
		1	74	20.01	20.27	20.23
		36	0	19.13	19.40	19.16
		36	19	18.98	19.33	19.12
		36	39	18.88	19.18	19.09
		75	0	19.19	19.47	19.31
	256QAM	1	0	19.17	19.60	19.28
		1	37	19.11	19.43	19.25
		1	74	18.96	19.19	19.16
		36	0	18.06	18.31	18.11
		36	19	17.91	18.28	18.09
		36	39	17.83	18.17	18.00
		75	0	18.15	18.39	18.25

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	22.35	22.71	22.53
		1	24	22.30	22.52	22.32
		1	49	22.00	22.35	22.10
		25	0	21.25	21.55	21.39
		25	12	21.04	21.36	21.16
		25	25	20.92	21.33	21.12
		50	0	21.25	21.60	21.35
	16QAM	1	0	21.13	21.44	21.36
		1	24	21.23	21.47	21.28
		1	49	20.92	21.33	21.08
		25	0	20.05	20.52	20.28
		25	12	19.96	20.27	20.12
		25	25	19.84	20.32	20.06
		50	0	20.18	20.58	20.30
	64QAM	1	0	20.13	20.39	20.35
		1	24	20.14	20.38	20.22
		1	49	19.89	20.25	20.05
		25	0	18.96	19.43	19.26
		25	12	18.94	19.18	19.10
		25	25	18.78	19.30	19.05
		50	0	19.16	19.54	19.22
	256QAM	1	0	19.06	19.35	19.33
		1	24	19.11	19.33	19.20
		1	49	18.85	19.22	19.04
		25	0	17.93	18.36	18.25
		25	12	17.88	18.14	18.01
		25	25	17.73	18.21	18.04
		50	0	18.07	18.45	18.18

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	22.25	22.60	22.40
		1	12	22.17	22.50	22.35
		1	24	21.95	22.44	22.10
		12	0	21.14	21.46	21.34
		12	6	20.97	21.24	21.12
		12	13	20.85	21.14	21.05
		25	0	21.18	21.54	21.36
	16QAM	1	0	21.09	21.33	21.20
		1	12	21.15	21.47	21.28
		1	24	20.91	21.41	21.07
		12	0	20.02	20.44	20.23
		12	6	19.90	20.23	20.09
		12	13	19.77	20.08	19.98
		25	0	20.10	20.45	20.32
	64QAM	1	0	20.03	20.30	20.13
		1	12	20.14	20.45	20.21
		1	24	19.84	20.35	20.02
		12	0	18.98	19.41	19.16
		12	6	18.89	19.22	19.07
		12	13	18.75	19.06	18.93
		25	0	19.04	19.44	19.23
	256QAM	1	0	18.98	19.21	19.12
		1	12	19.12	19.40	19.15
		1	24	18.82	19.31	18.94
		12	0	17.97	18.37	18.08
		12	6	17.82	18.13	18.03
		12	13	17.73	17.97	17.92
		25	0	17.96	18.42	18.18

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	22.26	22.51	22.42
		1	7	22.17	22.46	22.35
		1	14	21.89	22.29	22.19
		8	0	21.10	21.46	21.33
		8	3	20.95	21.32	21.09
		8	7	20.78	21.20	20.96
		15	0	21.10	21.41	21.19
	16QAM	1	0	20.96	21.26	21.07
		1	7	21.16	21.39	21.32
		1	14	20.87	21.26	21.10
		8	0	19.95	20.28	20.18
		8	3	19.94	20.23	20.06
		8	7	19.77	20.11	19.87
		15	0	20.04	20.36	20.14
	64QAM	1	0	19.95	20.21	19.99
		1	7	20.13	20.31	20.25
		1	14	19.85	20.20	20.03
		8	0	18.88	19.25	19.17
		8	3	18.93	19.15	18.99
		8	7	18.75	19.08	18.82
		15	0	18.97	19.27	19.10
	256QAM	1	0	18.90	19.19	18.92
		1	7	19.08	19.25	19.24
		1	14	18.77	19.16	18.97
		8	0	17.81	18.22	18.11
		8	3	17.86	18.13	17.95
		8	7	17.67	18.02	17.76
		15	0	17.93	18.20	18.05

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	22.14	22.50	22.35
		1	2	22.01	22.49	22.26
		1	5	21.82	22.14	21.95
		3	0	22.16	22.50	22.35
		3	1	22.05	22.50	22.26
		3	3	21.83	22.14	21.98
		6	0	20.96	21.31	21.21
	16QAM	1	0	21.09	21.45	21.27
		1	2	20.92	21.43	21.24
		1	5	20.78	21.05	20.93
		3	0	21.08	21.44	21.31
		3	1	21.02	21.48	21.23
		3	3	20.75	21.09	20.96
		6	0	19.95	20.21	20.18
	64QAM	1	0	20.06	20.38	20.22
		1	2	19.83	20.37	20.21
		1	5	19.75	19.96	19.91
		3	0	20.03	20.36	20.23
		3	1	19.95	20.40	20.14
		3	3	19.72	20.02	19.95
		6	0	18.88	19.11	19.13
	256QAM	1	0	19.01	19.37	19.21
		1	2	18.75	19.35	19.19
		1	5	18.69	18.90	18.83
		3	0	19.01	19.28	19.14
		3	1	18.91	19.34	19.08
		3	3	18.67	18.97	18.87
		6	0	17.80	18.08	18.05

ERP / EIRP Power (dBm)

Internal Antenna

Modulation Type: $\pi/2$ BPSK

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	22.80	34.77	-11.97	1.22 H	329	98.43	-75.63
2	680.50	22.40	34.77	-12.37	1.17 H	327	97.94	-75.54
3	695.50	21.70	34.77	-13.07	1.24 H	327	97.00	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	12.00	34.77	-22.77	1.03 V	287	87.63	-75.63
2	680.50	12.40	34.77	-22.37	1.09 V	290	87.94	-75.54
3	695.50	12.30	34.77	-22.47	1.07 V	285	87.60	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	22.80	34.77	-11.97	1.13 H	330	98.44	-75.64
2	680.50	22.90	34.77	-11.87	1.15 H	329	98.44	-75.54
3	693.00	22.60	34.77	-12.17	1.17 H	335	97.97	-75.37
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	12.10	34.77	-22.67	1.10 V	286	87.74	-75.64
2	680.50	12.30	34.77	-22.47	1.22 V	287	87.84	-75.54
3	693.00	12.28	34.77	-22.49	1.16 V	280	87.65	-75.37

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	22.40	34.77	-12.37	1.31 H	325	98.05	-75.65
2	680.50	22.70	34.77	-12.07	1.33 H	330	98.24	-75.54
3	690.50	22.50	34.77	-12.27	1.35 H	330	97.93	-75.43
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	12.20	34.77	-22.57	1.02 V	299	87.85	-75.65
2	680.50	12.30	34.77	-22.47	1.00 V	290	87.84	-75.54
3	690.50	12.00	34.77	-22.77	1.04 V	281	87.43	-75.43

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	22.70	34.77	-12.07	1.35 H	332	98.34	-75.64
2	680.50	22.60	34.77	-12.17	1.32 H	339	98.14	-75.54
3	688.00	23.00	34.77	-11.77	1.33 H	331	98.45	-75.45
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	12.80	34.77	-21.97	1.08 V	291	88.44	-75.64
2	680.50	12.90	34.77	-21.87	1.12 V	285	88.44	-75.54
3	688.00	12.60	34.77	-22.17	1.02 V	286	88.05	-75.45

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

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	22.30	34.80	-12.50	1.20 H	327	98.00	-75.70
2	680.50	22.00	34.80	-12.80	1.14 H	327	97.50	-75.50
3	695.50	21.10	34.80	-13.70	1.12 H	327	96.40	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	11.50	34.80	-23.30	1.03 V	287	87.20	-75.70
2	680.50	12.00	34.80	-22.80	1.09 V	290	87.50	-75.50
3	695.50	12.00	34.80	-22.80	1.07 V	285	87.30	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	22.40	34.80	-12.40	1.13 H	331	98.10	-75.70
2	680.50	22.40	34.80	-12.40	1.12 H	328	97.90	-75.50
3	693.00	22.10	34.80	-12.70	1.17 H	334	97.50	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	11.50	34.80	-23.30	1.10 V	288	87.20	-75.70
2	680.50	12.00	34.80	-22.80	1.12 V	287	87.50	-75.50
3	693.00	11.80	34.80	-23.00	1.10 V	287	87.20	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	22.00	34.80	-12.80	1.31 H	328	97.70	-75.70
2	680.50	22.30	34.80	-12.50	1.13 H	333	97.80	-75.50
3	690.50	22.30	34.80	-12.50	1.15 H	334	97.70	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	11.70	34.80	-23.10	1.02 V	291	87.40	-75.70
2	680.50	11.80	34.80	-23.00	1.02 V	290	87.30	-75.50
3	690.50	11.50	34.80	-23.30	1.04 V	286	86.90	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	22.00	34.80	-12.80	1.15 H	330	97.70	-75.70
2	680.50	22.00	34.80	-12.80	1.12 H	334	97.50	-75.50
3	688.00	22.30	34.80	-12.50	1.13 H	331	97.80	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	11.80	34.80	-23.00	1.08 V	291	87.50	-75.70
2	680.50	12.00	34.80	-22.80	1.12 V	285	87.50	-75.50
3	688.00	11.60	34.80	-23.20	1.02 V	286	87.10	-75.50

Remarks:

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

Modulation Type: 16QAM

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	21.40	34.80	-13.40	1.22 H	328	97.10	-75.70
2	680.50	21.30	34.80	-13.50	1.19 H	331	96.80	-75.50
3	695.50	20.90	34.80	-13.90	1.18 H	332	96.20	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	10.40	34.80	-24.40	1.11 V	291	86.10	-75.70
2	680.50	11.00	34.80	-23.80	1.04 V	284	86.50	-75.50
3	695.50	11.10	34.80	-23.70	1.06 V	291	86.40	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	21.50	34.80	-13.30	1.19 H	334	97.20	-75.70
2	680.50	21.30	34.80	-13.50	1.20 H	334	96.80	-75.50
3	693.00	20.90	34.80	-13.90	1.21 H	331	96.30	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	10.30	34.80	-24.50	1.08 V	291	86.00	-75.70
2	680.50	11.10	34.80	-23.70	1.11 V	285	86.60	-75.50
3	693.00	10.60	34.80	-24.20	1.09 V	288	86.00	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	21.10	34.80	-13.70	1.17 H	328	96.80	-75.70
2	680.50	21.20	34.80	-13.60	1.15 H	329	96.70	-75.50
3	690.50	21.40	34.80	-13.40	1.18 H	333	96.80	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	10.50	34.80	-24.30	1.08 V	284	86.20	-75.70
2	680.50	10.60	34.80	-24.20	1.11 V	291	86.10	-75.50
3	690.50	10.40	34.80	-24.40	1.05 V	285	85.80	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	21.10	34.80	-13.70	1.21 H	331	96.80	-75.70
2	680.50	21.30	34.80	-13.50	1.18 H	331	96.80	-75.50
3	688.00	21.50	34.80	-13.30	1.18 H	328	97.00	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	9.80	34.80	-25.00	1.02 V	288	85.50	-75.70
2	680.50	10.50	34.80	-24.30	1.05 V	289	86.00	-75.50
3	695.50	10.60	34.80	-24.20	1.02 V	287	85.90	-75.30

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

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	20.90	34.80	-13.90	1.14 H	327	96.60	-75.70
2	680.50	20.70	34.80	-14.10	1.20 H	334	96.20	-75.50
3	695.50	20.50	34.80	-14.30	1.15 H	327	95.80	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	9.80	34.80	-25.00	1.02 V	288	85.50	-75.70
2	680.50	10.50	34.80	-24.30	1.05 V	289	86.00	-75.50
3	695.50	10.60	34.80	-24.20	1.02 V	287	85.90	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	20.90	34.80	-13.90	1.20 H	334	96.60	-75.70
2	680.50	20.90	34.80	-13.90	1.17 H	334	96.40	-75.50
3	693.00	20.50	34.80	-14.30	1.16 H	333	95.90	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	9.70	34.80	-25.10	1.05 V	285	85.40	-75.70
2	680.50	10.60	34.80	-24.20	1.07 V	290	86.10	-75.50
3	693.00	10.20	34.80	-24.60	1.06 V	288	85.60	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	20.70	34.80	-14.10	1.14 H	330	96.40	-75.70
2	680.50	20.70	34.80	-14.10	1.15 H	330	96.20	-75.50
3	690.50	20.90	34.80	-13.90	1.21 H	333	96.30	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	10.00	34.80	-24.80	1.06 V	285	85.70	-75.70
2	680.50	10.00	34.80	-24.80	1.04 V	290	85.50	-75.50
3	690.50	9.80	34.80	-25.00	1.11 V	288	85.20	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	20.70	34.80	-14.10	1.18 H	330	96.40	-75.70
2	680.50	20.70	34.80	-14.10	1.21 H	329	96.20	-75.50
3	688.00	21.30	34.80	-13.50	1.16 H	332	96.80	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	10.20	34.80	-24.60	1.09 V	288	85.90	-75.70
2	680.50	10.50	34.80	-24.30	1.08 V	289	86.00	-75.50
3	688.00	10.10	34.80	-24.70	1.06 V	287	85.60	-75.50

Remarks:

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

Modulation Type: 256QAM

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	19.50	34.80	-15.30	1.18 H	333	95.20	-75.70
2	680.50	19.30	34.80	-15.50	1.12 H	331	94.80	-75.50
3	695.50	18.90	34.80	-15.90	1.12 H	327	94.20	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	8.30	34.80	-26.50	1.02 V	289	84.00	-75.70
2	680.50	9.00	34.80	-25.80	1.04 V	286	84.50	-75.50
3	695.50	9.00	34.80	-25.80	1.07 V	288	84.30	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	19.40	34.80	-15.40	1.20 H	334	95.10	-75.70
2	680.50	19.50	34.80	-15.30	1.21 H	332	95.00	-75.50
3	693.00	19.10	34.80	-15.70	1.19 H	329	94.50	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	8.20	34.80	-26.60	1.02 V	290	83.90	-75.70
2	680.50	9.00	34.80	-25.80	1.08 V	288	84.50	-75.50
3	693.00	8.70	34.80	-26.10	1.03 V	291	84.10	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	19.30	34.80	-15.50	1.12 H	328	95.00	-75.70
2	680.50	19.30	34.80	-15.50	1.17 H	329	94.80	-75.50
3	690.50	19.40	34.80	-15.40	1.14 H	333	94.80	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	8.50	34.80	-26.30	1.04 V	284	84.20	-75.70
2	680.50	8.50	34.80	-26.30	1.05 V	290	84.00	-75.50
3	690.50	8.30	34.80	-26.50	1.12 V	291	83.70	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	19.10	34.80	-15.70	1.15 H	327	94.80	-75.70
2	680.50	19.30	34.80	-15.50	1.15 H	334	94.80	-75.50
3	688.00	19.70	34.80	-15.10	1.19 H	333	95.20	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	8.50	34.80	-26.30	1.12 V	287	84.20	-75.70
2	680.50	8.80	34.80	-26.00	1.04 V	287	84.30	-75.50
3	688.00	8.60	34.80	-26.20	1.09 V	287	84.10	-75.50

Remarks:

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

Modulation Type: QPSK

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	16.70	33.00	-16.30	2.27 H	219	82.54	-65.84
2	1880.00	16.80	33.00	-16.20	2.30 H	220	82.45	-65.65
3	1909.30	16.30	33.00	-16.70	2.26 H	217	81.78	-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	1850.70	20.40	33.00	-12.60	2.44 V	332	86.24	-65.84
2	1880.00	20.20	33.00	-12.80	2.37 V	334	85.85	-65.65
3	1909.30	20.50	33.00	-12.50	2.40 V	327	85.98	-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

LTE Band 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	16.70	33.00	-16.30	2.30 H	224	82.53	-65.83
2	1880.00	17.10	33.00	-15.90	2.30 H	218	82.75	-65.65
3	1908.50	17.00	33.00	-16.00	2.33 H	224	82.48	-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	1851.50	20.20	33.00	-12.80	2.38 V	329	86.03	-65.83
2	1880.00	20.10	33.00	-12.90	2.37 V	331	85.75	-65.65
3	1908.50	20.40	33.00	-12.60	2.45 V	329	85.88	-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

LTE Band 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	17.00	33.00	-16.00	2.30 H	219	82.83	-65.83
2	1880.00	16.90	33.00	-16.10	2.25 H	224	82.55	-65.65
3	1907.50	16.50	33.00	-16.50	2.33 H	217	81.99	-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	1852.50	20.10	33.00	-12.90	2.39 V	329	85.93	-65.83
2	1880.00	20.60	33.00	-12.40	2.41 V	334	86.25	-65.65
3	1907.50	20.50	33.00	-12.50	2.41 V	333	85.99	-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

LTE Band 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	17.20	33.00	-15.80	2.33 H	225	83.01	-65.81
2	1880.00	16.90	33.00	-16.10	2.33 H	235	82.55	-65.65
3	1905.00	17.10	33.00	-15.90	2.33 H	218	82.59	-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	1855.00	20.70	33.00	-12.30	2.40 V	329	86.51	-65.81
2	1880.00	20.80	33.00	-12.20	2.42 V	329	86.45	-65.65
3	1905.00	20.50	33.00	-12.50	2.44 V	322	85.99	-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

LTE Band 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	16.90	33.00	-16.10	2.30 H	224	82.70	-65.80
2	1880.00	17.00	33.00	-16.00	2.25 H	224	82.65	-65.65
3	1902.50	16.90	33.00	-16.10	2.33 H	221	82.41	-65.51
Antenna Polarity & Test Distance: Vertical at 3 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	20.20	33.00	-12.80	2.44 V	329	86.00	-65.80
2	1880.00	20.70	33.00	-12.30	2.36 V	330	86.35	-65.65
3	1902.50	20.40	33.00	-12.60	2.45 V	334	85.91	-65.51

Remarks:

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

LTE Band 2, Channel Bandwidth 20MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	16.50	33.00	-16.50	2.22 H	221	82.28	-65.78
2	1880.00	16.80	33.00	-16.20	2.26 H	229	82.45	-65.65
3	1900.00	16.70	33.00	-16.30	2.33 H	215	82.22	-65.52
Antenna Polarity & Test Distance: Vertical at 3 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	20.30	33.00	-12.70	2.43 V	334	86.08	-65.78
2	1880.00	20.90	33.00	-12.10	2.40 V	328	86.55	-65.65
3	1900.00	20.40	33.00	-12.60	2.44 V	333	85.92	-65.52

Remarks:

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

Modulation Type: 16QAM

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	15.80	33.00	-17.20	2.29 H	224	81.64	-65.84
2	1880.00	15.60	33.00	-17.40	2.27 H	223	81.25	-65.65
3	1909.30	15.10	33.00	-17.90	2.25 H	218	80.58	-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	1850.70	19.40	33.00	-13.60	2.36 V	330	85.24	-65.84
2	1880.00	19.40	33.00	-13.60	2.38 V	328	85.05	-65.65
3	1909.30	19.30	33.00	-13.70	2.41 V	329	84.78	-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

LTE Band 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	15.70	33.00	-17.30	2.35 H	223	81.53	-65.83
2	1880.00	16.10	33.00	-16.90	2.26 H	224	81.75	-65.65
3	1908.50	16.00	33.00	-17.00	2.35 H	218	81.48	-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	1851.50	19.30	33.00	-13.70	2.40 V	334	85.13	-65.83
2	1880.00	19.10	33.00	-13.90	2.38 V	327	84.75	-65.65
3	1908.50	19.40	33.00	-13.60	2.44 V	334	84.88	-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

LTE Band 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	16.10	33.00	-16.90	2.34 H	218	81.93	-65.83
2	1880.00	16.20	33.00	-16.80	2.28 H	218	81.85	-65.65
3	1907.50	15.80	33.00	-17.20	2.29 H	218	81.29	-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	1852.50	19.20	33.00	-13.80	2.41 V	331	85.03	-65.83
2	1880.00	19.40	33.00	-13.60	2.35 V	327	85.05	-65.65
3	1907.50	19.50	33.00	-13.50	2.35 V	329	84.99	-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

LTE Band 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	16.30	33.00	-16.70	2.32 H	222	82.11	-65.81
2	1880.00	16.00	33.00	-17.00	2.25 H	230	81.65	-65.65
3	1905.00	16.00	33.00	-17.00	2.32 H	224	81.49	-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	1855.00	19.60	33.00	-13.40	2.40 V	333	85.41	-65.81
2	1880.00	19.90	33.00	-13.10	2.41 V	328	85.55	-65.65
3	1905.00	19.60	33.00	-13.40	2.42 V	329	85.09	-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

LTE Band 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	15.90	33.00	-17.10	2.28 H	222	81.70	-65.80
2	1880.00	15.80	33.00	-17.20	2.34 H	224	81.45	-65.65
3	1902.50	16.00	33.00	-17.00	2.30 H	221	81.51	-65.51
Antenna Polarity & Test Distance: Vertical at 3 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	19.00	33.00	-14.00	2.38 V	335	84.80	-65.80
2	1880.00	19.40	33.00	-13.60	2.35 V	331	85.05	-65.65
3	1902.50	19.20	33.00	-13.80	2.39 V	330	84.71	-65.51

Remarks:

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

LTE Band 2, Channel Bandwidth 20MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	15.70	33.00	-17.30	2.32 H	219	81.48	-65.78
2	1880.00	15.80	33.00	-17.20	2.25 H	220	81.45	-65.65
3	1900.00	15.60	33.00	-17.40	2.31 H	220	81.12	-65.52
Antenna Polarity & Test Distance: Vertical at 3 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	19.30	33.00	-13.70	2.41 V	329	85.08	-65.78
2	1880.00	19.50	33.00	-13.50	2.45 V	331	85.15	-65.65
3	1900.00	19.30	33.00	-13.70	2.37 V	334	84.82	-65.52

Remarks:

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

Modulation Type: 64QAM

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	15.30	33.00	-17.70	2.25 H	220	81.14	-65.84
2	1880.00	15.00	33.00	-18.00	2.31 H	219	80.65	-65.65
3	1909.30	15.00	33.00	-18.00	2.26 H	222	80.48	-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	1850.70	18.90	33.00	-14.10	2.41 V	332	84.74	-65.84
2	1880.00	19.00	33.00	-14.00	2.44 V	333	84.65	-65.65
3	1909.30	18.70	33.00	-14.30	2.38 V	331	84.18	-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

LTE Band 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	15.20	33.00	-17.80	2.35 H	219	81.03	-65.83
2	1880.00	15.60	33.00	-17.40	2.27 H	218	81.25	-65.65
3	1908.50	15.50	33.00	-17.50	2.35 H	217	80.98	-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	1851.50	18.60	33.00	-14.40	2.41 V	330	84.43	-65.83
2	1880.00	18.50	33.00	-14.50	2.35 V	332	84.15	-65.65
3	1908.50	18.90	33.00	-14.10	2.40 V	331	84.38	-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

LTE Band 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	15.60	33.00	-17.40	2.26 H	222	81.43	-65.83
2	1880.00	15.70	33.00	-17.30	2.35 H	221	81.35	-65.65
3	1907.50	15.50	33.00	-17.50	2.30 H	218	80.99	-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	1852.50	18.80	33.00	-14.20	2.35 V	330	84.63	-65.83
2	1880.00	18.70	33.00	-14.30	2.36 V	333	84.35	-65.65
3	1907.50	18.90	33.00	-14.10	2.38 V	328	84.39	-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

LTE Band 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	15.90	33.00	-17.10	2.35 H	222	81.71	-65.81
2	1880.00	15.50	33.00	-17.50	2.25 H	220	81.15	-65.65
3	1905.00	15.40	33.00	-17.60	2.32 H	220	80.89	-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	1855.00	19.10	33.00	-13.90	2.44 V	331	84.91	-65.81
2	1880.00	19.50	33.00	-13.50	2.38 V	329	85.15	-65.65
3	1905.00	19.00	33.00	-14.00	2.42 V	336	84.49	-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

LTE Band 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	15.50	33.00	-17.50	2.34 H	222	81.30	-65.80
2	1880.00	15.30	33.00	-17.70	2.25 H	221	80.95	-65.65
3	1902.50	15.40	33.00	-17.60	2.27 H	217	80.91	-65.51
Antenna Polarity & Test Distance: Vertical at 3 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	18.70	33.00	-14.30	2.44 V	328	84.50	-65.80
2	1880.00	19.00	33.00	-14.00	2.41 V	334	84.65	-65.65
3	1902.50	18.70	33.00	-14.30	2.36 V	337	84.21	-65.51

Remarks:

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

LTE Band 2, Channel Bandwidth 20MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	15.30	33.00	-17.70	2.27 H	221	81.08	-65.78
2	1880.00	15.20	33.00	-17.80	2.29 H	225	80.85	-65.65
3	1900.00	15.20	33.00	-17.80	2.34 H	222	80.72	-65.52
Antenna Polarity & Test Distance: Vertical at 3 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	18.70	33.00	-14.30	2.44 V	327	84.48	-65.78
2	1880.00	18.90	33.00	-14.10	2.43 V	334	84.55	-65.65
3	1900.00	18.80	33.00	-14.20	2.37 V	330	84.32	-65.52

Remarks:

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

Modulation Type: 256QAM

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	13.90	33.00	-19.10	3.23 H	217	79.74	-65.84
2	1880.00	13.60	33.00	-19.40	2.35 H	222	79.25	-65.65
3	1909.30	13.30	33.00	-19.70	2.34 H	223	78.78	-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	1850.70	17.30	33.00	-15.70	2.39 V	329	83.14	-65.84
2	1880.00	17.60	33.00	-15.40	2.37 V	328	83.25	-65.65
3	1909.30	17.20	33.00	-15.80	2.36 V	330	82.68	-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

LTE Band 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	13.60	33.00	-19.40	2.30 H	223	79.43	-65.83
2	1880.00	14.10	33.00	-18.90	2.25 H	219	79.75	-65.65
3	1908.50	13.90	33.00	-19.10	2.34 H	223	79.38	-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	1851.50	17.00	33.00	-16.00	2.42 V	334	82.83	-65.83
2	1880.00	16.60	33.00	-16.40	2.42 V	330	82.25	-65.65
3	1908.50	17.40	33.00	-15.60	2.41 V	329	82.88	-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

LTE Band 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	14.00	33.00	-19.00	2.32 H	221	79.83	-65.83
2	1880.00	14.10	33.00	-18.90	2.25 H	223	79.75	-65.65
3	1907.50	13.80	33.00	-19.20	2.35 H	219	79.29	-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	1852.50	17.40	33.00	-15.60	2.41 V	329	83.23	-65.83
2	1880.00	17.20	33.00	-15.80	2.44 V	329	82.85	-65.65
3	1907.50	17.50	33.00	-15.50	2.40 V	331	82.99	-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

LTE Band 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	14.10	33.00	-18.90	2.35 H	222	79.91	-65.81
2	1880.00	13.90	33.00	-19.10	2.35 H	223	79.55	-65.65
3	1905.00	13.80	33.00	-19.20	2.33 H	229	79.29	-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	1855.00	17.50	33.00	-15.50	2.44 V	331	83.31	-65.81
2	1880.00	17.80	33.00	-15.20	2.35 V	336	83.45	-65.65
3	1905.00	17.20	33.00	-15.80	2.36 V	327	82.69	-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

LTE Band 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	13.90	33.00	-19.10	2.32 H	219	79.70	-65.80
2	1880.00	13.70	33.00	-19.30	2.35 H	222	79.35	-65.65
3	1902.50	14.00	33.00	-19.00	2.33 H	223	79.51	-65.51
Antenna Polarity & Test Distance: Vertical at 3 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	17.50	33.00	-15.50	2.36 V	331	83.30	-65.80
2	1880.00	17.70	33.00	-15.30	2.40 V	328	83.35	-65.65
3	1902.50	17.30	33.00	-15.70	2.43 V	328	82.81	-65.51

Remarks:

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

LTE Band 2, Channel Bandwidth 20MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	13.80	33.00	-19.20	2.29 H	221	79.58	-65.78
2	1880.00	13.60	33.00	-19.40	2.27 H	229	79.25	-65.65
3	1900.00	13.80	33.00	-19.20	2.32 H	218	79.32	-65.52
Antenna Polarity & Test Distance: Vertical at 3 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	17.10	33.00	-15.90	2.44 V	329	82.88	-65.78
2	1880.00	17.50	33.00	-15.50	2.36 V	329	83.15	-65.65
3	1900.00	17.40	33.00	-15.60	2.42 V	339	82.92	-65.52

Remarks:

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

Modulation Type: QPSK

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	13.70	33.00	-19.30	1.25 H	220	76.53	-62.83
2	2535.00	13.70	33.00	-19.30	1.16 H	217	76.32	-62.62
3	2567.50	13.60	33.00	-19.40	1.15 H	223	76.06	-62.46
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	21.10	33.00	-11.90	2.18 V	242	83.93	-62.83
2	2535.00	21.00	33.00	-12.00	2.24 V	237	83.62	-62.62
3	2567.50	21.40	33.00	-11.60	2.22 V	240	83.86	-62.46

Remarks:

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

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	13.30	33.00	-19.70	1.19 H	220	76.11	-62.81
2	2535.00	13.10	33.00	-19.90	1.21 H	225	75.72	-62.62
3	2565.00	13.50	33.00	-19.50	1.17 H	223	75.96	-62.46
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	21.20	33.00	-11.80	2.21 V	242	84.01	-62.81
2	2535.00	21.10	33.00	-11.90	2.22 V	245	83.72	-62.62
3	2565.00	21.00	33.00	-12.00	2.22 V	237	83.47	-62.47

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

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	13.20	33.00	-19.80	1.20 H	217	75.99	-62.79
2	2535.00	13.30	33.00	-19.70	1.17 H	223	75.92	-62.62
3	2562.50	13.40	33.00	-19.60	1.24 H	220	75.87	-62.47
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	2507.50	21.10	33.00	-11.90	2.17 V	242	83.89	-62.79
2	2535.00	21.20	33.00	-11.80	2.21 V	238	83.82	-62.62
3	2562.50	21.30	33.00	-11.70	2.18 V	245	83.77	-62.47

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

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	13.60	33.00	-19.40	1.16 H	222	76.38	-62.78
2	2535.00	13.50	33.00	-19.50	1.20 H	229	76.12	-62.62
3	2560.00	13.50	33.00	-19.50	1.19 H	223	75.98	-62.48
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	2510.00	21.40	33.00	-11.60	2.15 V	242	84.18	-62.78
2	2535.00	21.30	33.00	-11.70	2.17 V	245	83.92	-62.62
3	2560.00	21.10	33.00	-11.90	2.23 V	245	83.58	-62.48

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

Modulation Type: 16QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	12.60	33.00	-20.40	1.24 H	221	75.43	-62.83
2	2535.00	12.50	33.00	-20.50	1.18 H	222	75.12	-62.62
3	2567.50	12.70	33.00	-20.30	1.23 H	224	75.16	-62.46
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	19.70	33.00	-13.30	2.18 V	238	82.53	-62.83
2	2535.00	19.90	33.00	-13.10	2.15 V	243	82.52	-62.62
3	2567.50	20.00	33.00	-13.00	2.15 V	250	82.46	-62.46

Remarks:

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

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	12.10	33.00	-20.90	1.18 H	223	74.91	-62.81
2	2535.00	12.00	33.00	-21.00	1.25 H	217	74.62	-62.62
3	2565.00	12.50	33.00	-20.50	1.19 H	220	74.97	-62.47
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	2505.00	20.30	33.00	-12.70	2.18 V	244	83.11	-62.81
2	2535.00	20.10	33.00	-12.90	2.15 V	250	82.72	-62.62
3	2565.00	20.10	33.00	-12.90	2.17 V	239	82.57	-62.47

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

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	12.20	33.00	-20.80	1.16 H	223	74.99	-62.79
2	2535.00	12.10	33.00	-20.90	1.24 H	222	74.72	-62.62
3	2562.50	12.00	33.00	-21.00	1.16 H	224	74.47	-62.47
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	2507.50	20.00	33.00	-13.00	2.16 V	235	82.79	-62.79
2	2535.00	20.20	33.00	-12.80	2.17 V	245	82.82	-62.62
3	2562.50	20.30	33.00	-12.70	2.16 V	240	82.77	-62.47

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

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	12.80	33.00	-20.20	1.20 H	219	75.58	-62.78
2	2535.00	12.50	33.00	-20.50	1.22 H	221	75.12	-62.62
3	2560.00	12.70	33.00	-20.30	1.24 H	219	75.18	-62.48
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	2510.00	20.20	33.00	-12.80	2.16 V	239	82.98	-62.78
2	2535.00	20.50	33.00	-12.50	2.24 V	239	83.12	-62.62
3	2560.00	20.30	33.00	-12.70	2.22 V	245	82.78	-62.48

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

Modulation Type: 64QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	12.10	33.00	-20.90	1.18 H	217	74.93	-62.83
2	2535.00	12.10	33.00	-20.90	1.24 H	218	74.72	-62.62
3	2567.50	12.30	33.00	-20.70	1.21 H	219	74.76	-62.46
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	19.20	33.00	-13.80	2.16 V	238	82.03	-62.83
2	2535.00	19.30	33.00	-13.70	2.17 V	237	81.92	-62.62
3	2567.50	19.50	33.00	-13.50	2.21 V	242	81.96	-62.46

Remarks:

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

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	11.50	33.00	-21.50	1.23 H	225	74.31	-62.81
2	2535.00	11.40	33.00	-21.60	1.21 H	219	74.02	-62.62
3	2565.00	11.70	33.00	-21.30	1.15 H	217	74.17	-62.47
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	2505.00	19.70	33.00	-13.30	2.18 V	231	82.51	-62.81
2	2535.00	19.80	33.00	-13.20	2.25 V	233	82.42	-62.62
3	2565.00	19.60	33.00	-13.40	2.21 V	242	82.07	-62.47

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

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	11.70	33.00	-21.30	1.24 H	218	74.49	-62.79
2	2535.00	11.60	33.00	-21.40	1.22 H	223	74.22	-62.62
3	2562.50	11.50	33.00	-21.50	1.20 H	224	73.97	-62.47
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	2507.50	19.40	33.00	-13.60	2.22 V	235	82.19	-62.79
2	2535.00	19.60	33.00	-13.40	2.20 V	239	82.22	-62.62
3	2562.50	19.80	33.00	-13.20	2.28 V	245	82.27	-62.47

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

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	12.40	33.00	-20.60	1.25 H	225	75.18	-62.78
2	2535.00	12.30	33.00	-20.70	1.24 H	221	74.92	-62.62
3	2560.00	12.30	33.00	-20.70	1.20 H	232	74.78	-62.48
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	2510.00	19.80	33.00	-13.20	2.22 V	237	82.58	-62.78
2	2535.00	19.90	33.00	-13.10	2.19 V	244	82.52	-62.62
3	2560.00	19.70	33.00	-13.30	2.21 V	245	82.18	-62.48

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

Modulation Type: 256QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	10.50	33.00	-22.50	1.25 H	218	73.33	-62.83
2	2535.00	10.60	33.00	-22.40	1.19 H	217	73.22	-62.62
3	2567.50	10.70	33.00	-22.30	1.22 H	223	73.16	-62.46
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	17.70	33.00	-15.30	2.19 V	243	80.53	-62.83
2	2535.00	17.80	33.00	-15.20	2.24 V	241	80.42	-62.62
3	2567.50	17.90	33.00	-15.10	2.23 V	245	80.36	-62.46

Remarks:

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

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	9.90	33.00	-23.10	1.19 H	220	72.71	-62.81
2	2535.00	10.00	33.00	-23.00	1.17 H	223	72.62	-62.62
3	2565.00	10.20	33.00	-22.80	1.19 H	228	72.67	-62.47
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	2505.00	18.10	33.00	-14.90	2.11 V	240	80.91	-62.81
2	2535.00	18.20	33.00	-14.80	2.15 V	237	80.82	-62.62
3	2565.00	18.20	33.00	-14.80	2.20 V	253	80.67	-62.47

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

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	10.10	33.00	-22.90	1.17 H	225	72.89	-62.79
2	2535.00	10.30	33.00	-22.70	1.15 H	224	72.92	-62.62
3	2562.50	10.30	33.00	-22.70	1.24 H	220	72.77	-62.47
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	2507.50	17.90	33.00	-15.10	2.19 V	239	80.69	-62.79
2	2535.00	18.00	33.00	-15.00	2.25 V	231	80.62	-62.62
3	2562.50	18.10	33.00	-14.90	2.27 V	245	80.57	-62.47

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

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	10.80	33.00	-22.20	1.18 H	217	73.58	-62.78
2	2535.00	10.70	33.00	-22.30	1.20 H	221	73.32	-62.62
3	2560.00	10.50	33.00	-22.50	1.22 H	218	72.98	-62.48
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	2510.00	18.30	33.00	-14.70	2.23 V	243	81.08	-62.78
2	2535.00	18.50	33.00	-14.50	2.19 V	240	81.12	-62.62
3	2560.00	18.40	33.00	-14.60	2.20 V	245	80.88	-62.48

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

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	18.50	30.00	-11.50	1.47 H	44	84.88	-66.38
2	1745.00	18.90	30.00	-11.10	1.53 H	43	85.18	-66.28
3	1779.30	18.70	30.00	-11.30	1.53 H	46	84.87	-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	20.20	30.00	-9.80	3.01 V	285	86.58	-66.38
2	1745.00	19.90	30.00	-10.10	2.94 V	285	86.18	-66.28
3	1779.30	20.10	30.00	-9.90	2.97 V	285	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 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	18.60	30.00	-11.40	1.51 H	46	85.32	-66.72
2	1745.00	18.50	30.00	-11.50	1.50 H	40	85.15	-66.65
3	1778.50	18.90	30.00	-11.10	1.52 H	39	85.45	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.30	30.00	-9.70	2.96 V	283	87.02	-66.72
2	1745.00	20.30	30.00	-9.70	3.01 V	288	86.95	-66.65
3	1778.50	19.90	30.00	-10.10	2.94 V	284	86.45	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.80	30.00	-11.20	1.47 H	41	85.52	-66.72
2	1745.00	18.60	30.00	-11.40	1.52 H	45	85.25	-66.65
3	1777.50	18.60	30.00	-11.40	1.46 H	39	85.15	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	20.00	30.00	-10.00	2.97 V	283	86.72	-66.72
2	1745.00	20.10	30.00	-9.90	3.00 V	283	86.75	-66.65
3	1777.50	20.20	30.00	-9.80	2.98 V	286	86.75	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 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	18.80	30.00	-11.20	1.52 H	42	85.52	-66.72
2	1745.00	18.60	30.00	-11.40	1.50 H	43	85.25	-66.65
3	1775.00	18.80	30.00	-11.20	1.43 H	41	85.36	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.30	30.00	-9.70	3.00 V	289	87.02	-66.72
2	1745.00	20.00	30.00	-10.00	2.94 V	289	86.65	-66.65
3	1775.00	20.10	30.00	-9.90	3.01 V	283	86.66	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.90	30.00	-11.10	1.46 H	41	85.61	-66.71
2	1745.00	18.80	30.00	-11.20	1.46 H	56	85.45	-66.65
3	1772.50	18.60	30.00	-11.40	1.52 H	40	85.17	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.00	30.00	-10.00	2.93 V	284	86.71	-66.71
2	1745.00	19.90	30.00	-10.10	3.01 V	282	86.55	-66.65
3	1772.50	20.30	30.00	-9.70	2.95 V	286	86.87	-66.57

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	18.70	30.00	-11.30	1.49 H	46	85.40	-66.70
2	1745.00	19.00	30.00	-11.00	1.52 H	46	85.65	-66.65
3	1770.00	18.50	30.00	-11.50	1.53 H	42	85.08	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.20	30.00	-9.80	2.93 V	285	86.90	-66.70
2	1745.00	20.40	30.00	-9.60	2.96 V	289	87.05	-66.65
3	1770.00	20.30	30.00	-9.70	2.92 V	287	86.88	-66.58

Remarks:

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

Modulation Type: 16QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.30	30.00	-12.70	1.49 H	42	83.68	-66.38
2	1745.00	18.10	30.00	-11.90	1.46 H	42	84.38	-66.28
3	1779.30	17.80	30.00	-12.20	1.45 H	42	83.97	-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	19.20	30.00	-10.80	3.01 V	282	85.58	-66.38
2	1745.00	18.80	30.00	-11.20	3.01 V	284	85.08	-66.28
3	1779.30	19.00	30.00	-11.00	2.91 V	282	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 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	17.50	30.00	-12.50	1.44 H	39	84.22	-66.72
2	1745.00	17.40	30.00	-12.60	1.50 H	42	84.05	-66.65
3	1778.50	18.10	30.00	-11.90	1.52 H	42	84.65	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.30	30.00	-10.70	3.00 V	284	86.02	-66.72
2	1745.00	19.30	30.00	-10.70	2.99 V	286	85.95	-66.65
3	1778.50	19.10	30.00	-10.90	2.99 V	282	85.65	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.70	30.00	-12.30	1.53 H	42	84.42	-66.72
2	1745.00	17.70	30.00	-12.30	1.46 H	42	84.35	-66.65
3	1777.50	17.50	30.00	-12.50	1.50 H	44	84.05	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.80	30.00	-11.20	3.00 V	287	85.52	-66.72
2	1745.00	18.90	30.00	-11.10	2.95 V	283	85.55	-66.65
3	1777.50	19.30	30.00	-10.70	2.95 V	283	85.85	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 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	1.53 H	40	84.62	-66.72
2	1745.00	17.80	30.00	-12.20	1.45 H	42	84.45	-66.65
3	1775.00	18.00	30.00	-12.00	1.46 H	40	84.56	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.50	30.00	-10.50	3.01 V	288	86.22	-66.72
2	1745.00	18.80	30.00	-11.20	3.00 V	285	85.45	-66.65
3	1775.00	19.00	30.00	-11.00	2.98 V	282	85.56	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.90	30.00	-12.10	1.49 H	44	84.61	-66.71
2	1745.00	17.90	30.00	-12.10	1.53 H	39	84.55	-66.65
3	1772.50	17.50	30.00	-12.50	1.48 H	40	84.07	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.10	30.00	-10.90	2.99 V	289	85.81	-66.71
2	1745.00	18.80	30.00	-11.20	2.92 V	282	85.45	-66.65
3	1772.50	19.40	30.00	-10.60	2.91 V	287	85.97	-66.57

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.90	30.00	-12.10	1.49 H	42	84.60	-66.70
2	1745.00	17.80	30.00	-12.20	1.53 H	42	84.45	-66.65
3	1770.00	17.30	30.00	-12.70	1.44 H	46	83.88	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.20	30.00	-10.80	2.99 V	283	85.90	-66.70
2	1745.00	19.30	30.00	-10.70	2.97 V	289	85.95	-66.65
3	1770.00	19.50	30.00	-10.50	2.92 V	288	86.08	-66.58

Remarks:

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

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.80	30.00	-13.20	1.43 H	46	83.53	-66.73
2	1745.00	17.50	30.00	-12.50	1.51 H	45	84.15	-66.65
3	1779.30	17.20	30.00	-12.80	1.47 H	41	83.75	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.80	30.00	-11.20	2.98 V	282	85.18	-66.38
2	1745.00	18.20	30.00	-11.80	2.92 V	289	84.48	-66.28
3	1779.30	18.40	30.00	-11.60	2.98 V	288	84.57	-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	16.90	30.00	-13.10	1.48 H	43	83.62	-66.72
2	1745.00	16.80	30.00	-13.20	1.51 H	46	83.45	-66.65
3	1778.50	17.60	30.00	-12.40	1.43 H	42	84.15	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.90	30.00	-11.10	2.98 V	284	85.62	-66.72
2	1745.00	18.90	30.00	-11.10	2.95 V	289	85.55	-66.65
3	1778.50	18.60	30.00	-11.40	2.92 V	282	85.15	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.30	30.00	-12.70	1.51 H	39	84.02	-66.72
2	1745.00	17.30	30.00	-12.70	1.44 H	39	83.95	-66.65
3	1777.50	17.00	30.00	-13.00	1.51 H	42	83.55	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.20	30.00	-11.80	2.99 V	285	84.92	-66.72
2	1745.00	18.30	30.00	-11.70	2.99 V	285	84.95	-66.65
3	1777.50	18.90	30.00	-11.10	3.00 V	284	85.45	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 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	17.40	30.00	-12.60	1.51 H	43	84.12	-66.72
2	1745.00	17.40	30.00	-12.60	1.50 H	39	84.05	-66.65
3	1775.00	17.40	30.00	-12.60	1.52 H	39	83.96	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.10	30.00	-10.90	2.98 V	289	85.82	-66.72
2	1745.00	18.40	30.00	-11.60	3.00 V	289	85.05	-66.65
3	1775.00	18.50	30.00	-11.50	2.99 V	283	85.06	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.40	30.00	-12.60	1.49 H	44	84.11	-66.71
2	1745.00	17.40	30.00	-12.60	1.47 H	43	84.05	-66.65
3	1772.50	17.10	30.00	-12.90	1.48 H	46	83.67	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.50	30.00	-11.50	2.98 V	282	85.21	-66.71
2	1745.00	18.40	30.00	-11.60	2.92 V	288	85.05	-66.65
3	1772.50	18.80	30.00	-11.20	3.01 V	285	85.37	-66.57

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	1.50 H	39	84.10	-66.70
2	1745.00	17.40	30.00	-12.60	1.46 H	43	84.05	-66.65
3	1770.00	16.80	30.00	-13.20	1.44 H	45	83.38	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.60	30.00	-11.40	2.91 V	283	85.30	-66.70
2	1745.00	18.90	30.00	-11.10	2.91 V	286	85.55	-66.65
3	1770.00	18.90	30.00	-11.10	3.01 V	288	85.48	-66.58

Remarks:

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

Modulation Type: 256QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	15.30	30.00	-14.70	1.50 H	46	81.68	-66.38
2	1745.00	16.00	30.00	-14.00	1.45 H	44	82.28	-66.28
3	1779.30	15.60	30.00	-14.40	1.43 H	43	81.77	-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	1710.70	17.30	30.00	-12.70	2.92 V	283	83.68	-66.38
2	1745.00	16.60	30.00	-13.40	2.91 V	284	82.88	-66.28
3	1779.30	16.80	30.00	-13.20	2.94 V	288	82.97	-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	15.50	30.00	-14.50	1.50 H	46	82.22	-66.72
2	1745.00	15.40	30.00	-14.60	1.44 H	43	82.05	-66.65
3	1778.50	16.10	30.00	-13.90	1.44 H	42	82.65	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.50	30.00	-12.50	3.00 V	283	84.22	-66.72
2	1745.00	17.30	30.00	-12.70	2.91 V	288	83.95	-66.65
3	1778.50	17.00	30.00	-13.00	2.94 V	288	83.55	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	15.70	30.00	-14.30	1.50 H	45	82.42	-66.72
2	1745.00	15.90	30.00	-14.10	1.47 H	43	82.55	-66.65
3	1777.50	15.60	30.00	-14.40	1.46 H	40	82.15	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.70	30.00	-13.30	2.96 V	286	83.42	-66.72
2	1745.00	16.70	30.00	-13.30	2.93 V	289	83.35	-66.65
3	1777.50	17.50	30.00	-12.50	2.92 V	282	84.05	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	15.90	30.00	-14.10	1.51 H	39	82.62	-66.72
2	1745.00	15.90	30.00	-14.10	1.45 H	42	82.55	-66.65
3	1775.00	15.80	30.00	-14.20	1.48 H	44	82.36	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.60	30.00	-12.40	2.94 V	287	84.32	-66.72
2	1745.00	16.90	30.00	-13.10	2.96 V	284	83.55	-66.65
3	1775.00	17.10	30.00	-12.90	2.98 V	289	83.66	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.00	30.00	-14.00	1.51 H	40	82.71	-66.71
2	1745.00	15.90	30.00	-14.10	1.43 H	44	82.55	-66.65
3	1772.50	15.60	30.00	-14.40	1.52 H	46	82.17	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.00	30.00	-13.00	2.95 V	286	83.71	-66.71
2	1745.00	17.00	30.00	-13.00	2.97 V	285	83.65	-66.65
3	1772.50	17.30	30.00	-12.70	2.93 V	289	83.87	-66.57

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	16.00	30.00	-14.00	1.49 H	39	82.70	-66.70
2	1745.00	15.90	30.00	-14.10	1.47 H	41	82.55	-66.65
3	1770.00	15.30	30.00	-14.70	1.44 H	39	81.88	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.00	30.00	-13.00	2.98 V	286	83.70	-66.70
2	1745.00	17.50	30.00	-12.50	2.92 V	287	84.15	-66.65
3	1770.00	17.30	30.00	-12.70	2.98 V	286	83.88	-66.58

Remarks:

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

External Antenna

Modulation Type: $\pi/2$ BPSK

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	23.70	34.80	-11.10	1.19 H	180	99.40	-75.70
2	680.50	23.40	34.80	-11.40	1.27 H	186	98.90	-75.50
3	695.50	23.50	34.80	-11.30	1.19 H	186	98.80	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	21.50	34.80	-13.30	1.16 V	351	97.20	-75.70
2	680.50	21.50	34.80	-13.30	1.12 V	351	97.00	-75.50
3	695.50	21.30	34.80	-13.50	1.10 V	352	96.60	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	24.00	34.80	-10.80	1.21 H	187	99.70	-75.70
2	680.50	23.00	34.80	-11.80	1.26 H	185	98.50	-75.50
3	693.00	23.50	34.80	-11.30	1.28 H	190	98.90	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	21.50	34.80	-13.30	1.15 V	349	97.20	-75.70
2	680.50	21.90	34.80	-12.90	1.07 V	349	97.40	-75.50
3	693.00	21.00	34.80	-13.80	1.09 V	350	96.40	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	23.90	34.80	-10.90	1.20 H	186	99.60	-75.70
2	680.50	23.00	34.80	-11.80	1.22 H	189	98.50	-75.50
3	690.50	23.30	34.80	-11.50	1.19 H	187	98.70	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	21.00	34.80	-13.80	1.07 V	352	96.70	-75.70
2	680.50	21.70	34.80	-13.10	1.15 V	354	97.20	-75.50
3	690.50	21.30	34.80	-13.50	1.08 V	355	96.70	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	24.10	34.80	-10.70	1.25 H	190	99.80	-75.70
2	680.50	23.90	34.80	-10.90	1.24 H	187	99.40	-75.50
3	688.00	23.30	34.80	-11.50	1.16 H	188	98.80	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	21.50	34.80	-13.30	1.06 V	349	97.20	-75.70
2	680.50	21.40	34.80	-13.40	1.09 V	350	96.90	-75.50
3	688.00	21.30	34.80	-13.50	1.17 V	348	96.80	-75.50

Remarks:

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

Modulation Type: QPSK

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	23.50	34.80	-11.30	1.20 H	183	99.20	-75.70
2	680.50	23.40	34.80	-11.40	1.27 H	184	98.90	-75.50
3	695.50	23.30	34.80	-11.50	1.21 H	186	98.60	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	21.40	34.80	-13.40	1.16 V	353	97.10	-75.70
2	680.50	21.40	34.80	-13.40	1.09 V	350	96.90	-75.50
3	695.50	21.20	34.80	-13.60	1.07 V	352	96.50	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	23.90	34.80	-10.90	1.19 H	187	99.60	-75.70
2	680.50	23.30	34.80	-11.50	1.26 H	183	98.80	-75.50
3	693.00	23.60	34.80	-11.20	1.26 H	189	99.00	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	21.40	34.80	-13.40	1.15 V	348	97.10	-75.70
2	680.50	21.80	34.80	-13.00	1.07 V	348	97.30	-75.50
3	693.00	21.00	34.80	-13.80	1.09 V	351	96.40	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	23.80	34.80	-11.00	1.20 H	189	99.50	-75.70
2	680.50	23.00	34.80	-11.80	1.21 H	188	98.50	-75.50
3	690.50	23.00	34.80	-11.80	1.19 H	186	98.40	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	21.00	34.80	-13.80	1.07 V	352	96.70	-75.70
2	680.50	21.70	34.80	-13.10	1.15 V	352	97.20	-75.50
3	690.50	21.00	34.80	-13.80	1.08 V	354	96.40	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	23.80	34.80	-11.00	1.23 H	189	99.50	-75.70
2	680.50	23.90	34.80	-10.90	1.22 H	187	99.40	-75.50
3	688.00	23.50	34.80	-11.30	1.17 H	189	99.00	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	21.10	34.80	-13.70	1.06 V	350	96.80	-75.70
2	680.50	21.30	34.80	-13.50	1.09 V	352	96.80	-75.50
3	688.00	21.30	34.80	-13.50	1.15 V	348	96.80	-75.50

Remarks:

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

Modulation Type: 16QAM

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	22.50	34.80	-12.30	1.19 H	184	98.20	-75.70
2	680.50	22.70	34.80	-12.10	1.20 H	184	98.20	-75.50
3	695.50	22.10	34.80	-12.70	1.24 H	184	97.40	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	20.30	34.80	-14.50	1.07 V	349	96.00	-75.70
2	680.50	20.40	34.80	-14.40	1.12 V	347	95.90	-75.50
3	695.50	20.20	34.80	-14.60	1.11 V	347	95.50	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	22.90	34.80	-11.90	1.17 H	186	98.60	-75.70
2	680.50	22.00	34.80	-12.80	1.23 H	186	97.50	-75.50
3	693.00	22.80	34.80	-12.00	1.18 H	186	98.20	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	20.40	34.80	-14.40	1.06 V	354	96.10	-75.70
2	680.50	20.80	34.80	-14.00	1.12 V	353	96.30	-75.50
3	693.00	19.80	34.80	-15.00	1.14 V	349	95.20	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	22.90	34.80	-11.90	1.24 H	187	98.60	-75.70
2	680.50	22.30	34.80	-12.50	1.19 H	185	97.80	-75.50
3	690.50	21.80	34.80	-13.00	1.18 H	187	97.20	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	20.20	34.80	-14.60	1.10 V	351	95.90	-75.70
2	680.50	20.70	34.80	-14.10	1.15 V	354	96.20	-75.50
3	690.50	20.20	34.80	-14.60	1.07 V	351	95.60	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	22.50	34.80	-12.30	1.21 H	185	98.20	-75.70
2	680.50	22.90	34.80	-11.90	1.27 H	187	98.40	-75.50
3	688.00	22.40	34.80	-12.40	1.26 H	188	97.90	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	20.30	34.80	-14.50	1.16 V	347	96.00	-75.70
2	680.50	20.30	34.80	-14.50	1.14 V	352	95.80	-75.50
3	688.00	20.50	34.80	-14.30	1.06 V	349	96.00	-75.50

Remarks:

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

Modulation Type: 64QAM

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	22.00	34.80	-12.80	1.26 H	187	97.70	-75.70
2	680.50	22.00	34.80	-12.80	1.25 H	188	97.50	-75.50
3	695.50	21.50	34.80	-13.30	1.19 H	187	96.80	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	19.90	34.80	-14.90	1.16 V	353	95.60	-75.70
2	680.50	19.80	34.80	-15.00	1.08 V	353	95.30	-75.50
3	695.50	19.70	34.80	-15.10	1.07 V	349	95.00	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	22.50	34.80	-12.30	1.18 H	189	98.20	-75.70
2	680.50	21.70	34.80	-13.10	1.18 H	184	97.20	-75.50
3	693.00	22.20	34.80	-12.60	1.22 H	187	97.60	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	19.80	34.80	-15.00	1.14 V	348	95.50	-75.70
2	680.50	20.30	34.80	-14.50	1.12 V	348	95.80	-75.50
3	693.00	19.20	34.80	-15.60	1.08 V	348	94.60	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	22.30	34.80	-12.50	1.23 H	185	98.00	-75.70
2	680.50	21.50	34.80	-13.30	1.20 H	182	97.00	-75.50
3	690.50	21.40	34.80	-13.40	1.26 H	182	96.80	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	19.80	34.80	-15.00	1.08 V	348	95.50	-75.70
2	680.50	20.30	34.80	-14.50	1.07 V	352	95.80	-75.50
3	690.50	19.70	34.80	-15.10	1.06 V	352	95.10	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	22.00	34.80	-12.80	1.25 H	182	97.70	-75.70
2	680.50	22.50	34.80	-12.30	1.18 H	183	98.00	-75.50
3	688.00	21.90	34.80	-12.90	1.22 H	186	97.40	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	19.70	34.80	-15.10	1.15 V	347	95.40	-75.70
2	680.50	19.70	34.80	-15.10	1.14 V	350	95.20	-75.50
3	688.00	20.00	34.80	-14.80	1.13 V	348	95.50	-75.50

Remarks:

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

Modulation Type: 256QAM

n71, Channel Bandwidth 5MHz

Mode	TX channel 133100, 136100, 139100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	20.50	34.80	-14.30	1.27 H	182	96.20	-75.70
2	680.50	20.50	34.80	-14.30	1.22 H	186	96.00	-75.50
3	695.50	20.00	34.80	-14.80	1.19 H	186	95.30	-75.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	665.50	18.50	34.80	-16.30	1.08 V	354	94.20	-75.70
2	680.50	18.30	34.80	-16.50	1.06 V	347	93.80	-75.50
3	695.50	18.20	34.80	-16.60	1.14 V	353	93.50	-75.30

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

n71, Channel Bandwidth 10MHz

Mode	TX channel 133600, 136100, 138600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	20.80	34.80	-14.00	1.26 H	186	96.50	-75.70
2	680.50	20.00	34.80	-14.80	1.17 H	189	95.50	-75.50
3	693.00	17.80	34.80	-17.00	1.09 H	348	93.20	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	668.00	18.20	34.80	-16.60	1.15 V	353	93.90	-75.70
2	680.50	18.70	34.80	-16.10	1.09 V	348	94.20	-75.50
3	693.00	17.80	34.80	-17.00	1.09 V	348	93.20	-75.40

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

n71, Channel Bandwidth 15MHz

Mode	TX channel 134100, 136100, 138100							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	20.80	34.80	-14.00	1.20 H	183	96.50	-75.70
2	680.50	20.00	34.80	-14.80	1.27 H	187	95.50	-75.50
3	690.50	19.80	34.80	-15.00	1.28 H	183	95.20	-75.40
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	670.50	18.20	34.80	-16.60	1.13 V	349	93.90	-75.70
2	680.50	18.70	34.80	-16.10	1.13 V	352	94.20	-75.50
3	690.50	18.30	34.80	-16.50	1.15 V	353	93.70	-75.40

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

n71, Channel Bandwidth 20MHz

Mode	TX channel 134600, 136100, 137600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	20.50	34.80	-14.30	1.18 H	188	96.20	-75.70
2	680.50	21.00	34.80	-13.80	1.26 H	182	96.50	-75.50
3	688.00	20.40	34.80	-14.40	1.22 H	188	95.90	-75.50
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	673.00	18.10	34.80	-16.70	1.11 V	349	93.80	-75.70
2	680.50	18.30	34.80	-16.50	1.15 V	353	93.80	-75.50
3	688.00	18.70	34.80	-16.10	1.16 V	352	94.20	-75.50

Remarks:

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

Modulation Type: QPSK

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	10.80	33.00	-22.20	3.93 H	11	77.07	-66.27
2	1880.00	11.10	33.00	-21.90	3.92 H	15	77.21	-66.11
3	1909.30	11.20	33.00	-21.80	3.91 H	16	77.17	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	17.70	33.00	-15.30	1.09 V	320	83.97	-66.27
2	1880.00	17.80	33.00	-15.20	1.09 V	321	83.91	-66.11
3	1909.30	17.90	33.00	-15.10	1.11 V	317	83.87	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	11.20	33.00	-21.80	3.95 H	14	77.46	-66.26
2	1880.00	11.10	33.00	-21.90	3.86 H	12	77.21	-66.11
3	1908.50	11.20	33.00	-21.80	3.89 H	16	77.17	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	17.90	33.00	-15.10	1.07 V	317	84.16	-66.26
2	1880.00	17.60	33.00	-15.40	1.05 V	323	83.71	-66.11
3	1908.50	17.60	33.00	-15.40	1.04 V	323	83.57	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	10.80	33.00	-22.20	3.85 H	11	77.06	-66.26
2	1880.00	10.90	33.00	-22.10	3.91 H	15	77.01	-66.11
3	1907.50	10.90	33.00	-22.10	3.85 H	12	76.87	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	17.60	33.00	-15.40	1.06 V	321	83.86	-66.26
2	1880.00	17.60	33.00	-15.40	1.10 V	318	83.71	-66.11
3	1907.50	17.50	33.00	-15.50	1.03 V	318	83.47	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	11.20	33.00	-21.80	3.95 H	15	77.44	-66.24
2	1880.00	11.20	33.00	-21.80	3.92 H	16	77.31	-66.11
3	1905.00	11.20	33.00	-21.80	3.90 H	11	77.18	-65.98
Antenna Polarity & Test Distance: Vertical at 3 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	17.80	33.00	-15.20	1.11 V	322	84.04	-66.24
2	1880.00	17.60	33.00	-15.40	1.03 V	317	83.71	-66.11
3	1905.00	17.80	33.00	-15.20	1.03 V	320	83.78	-65.98

Remarks:

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

LTE Band 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	11.10	33.00	-21.90	3.95 H	17	77.33	-66.23
2	1880.00	11.00	33.00	-22.00	3.85 H	16	77.11	-66.11
3	1902.50	11.10	33.00	-21.90	3.94 H	18	77.09	-65.99
Antenna Polarity & Test Distance: Vertical at 3 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	17.70	33.00	-15.30	1.10 V	318	83.93	-66.23
2	1880.00	17.90	33.00	-15.10	1.11 V	323	84.01	-66.11
3	1902.50	17.60	33.00	-15.40	1.04 V	320	83.59	-65.99

Remarks:

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

LTE Band 2, Channel Bandwidth 20MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	10.80	33.00	-22.20	3.89 H	18	77.02	-66.22
2	1880.00	11.30	33.00	-21.70	3.95 H	13	77.41	-66.11
3	1900.00	11.20	33.00	-21.80	3.93 H	14	77.20	-66.00
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	17.70	33.00	-15.30	1.08 V	321	83.92	-66.22
2	1880.00	18.00	33.00	-15.00	1.08 V	321	84.11	-66.11
3	1900.00	17.70	33.00	-15.30	1.06 V	317	83.70	-66.00

Remarks:

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

Modulation Type: 16QAM

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	9.90	33.00	-23.10	3.89 H	14	76.17	-66.27
2	1880.00	10.30	33.00	-22.70	3.89 H	11	76.41	-66.11
3	1909.30	10.40	33.00	-22.60	3.85 H	16	76.37	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	16.80	33.00	-16.20	1.08 V	317	83.07	-66.27
2	1880.00	16.70	33.00	-16.30	1.11 V	322	82.81	-66.11
3	1909.30	16.70	33.00	-16.30	1.13 V	321	82.67	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	10.10	33.00	-22.90	3.88 H	17	76.36	-66.26
2	1880.00	9.90	33.00	-23.10	3.95 H	18	76.01	-66.11
3	1908.50	10.30	33.00	-22.70	3.86 H	17	76.27	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	16.70	33.00	-16.30	1.07 V	319	82.96	-66.26
2	1880.00	16.80	33.00	-16.20	1.10 V	316	82.91	-66.11
3	1908.50	16.40	33.00	-16.60	1.04 V	318	82.37	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	9.60	33.00	-23.40	3.87 H	12	75.86	-66.26
2	1880.00	9.90	33.00	-23.10	3.93 H	14	76.01	-66.11
3	1907.50	10.10	33.00	-22.90	3.85 H	18	76.07	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	16.50	33.00	-16.50	1.04 V	317	82.76	-66.26
2	1880.00	16.40	33.00	-16.60	1.09 V	318	82.51	-66.11
3	1907.50	16.30	33.00	-16.70	1.07 V	323	82.27	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	10.00	33.00	-23.00	3.93 H	11	76.24	-66.24
2	1880.00	10.10	33.00	-22.90	3.86 H	17	76.21	-66.11
3	1905.00	10.10	33.00	-22.90	3.95 H	17	76.08	-65.98
Antenna Polarity & Test Distance: Vertical at 3 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	17.00	33.00	-16.00	1.13 V	321	83.24	-66.24
2	1880.00	16.80	33.00	-16.20	1.05 V	321	82.91	-66.11
3	1905.00	16.90	33.00	-16.10	1.09 V	321	82.88	-65.98

Remarks:

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

LTE Band 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	9.90	33.00	-23.10	3.93 H	11	76.13	-66.23
2	1880.00	9.80	33.00	-23.20	3.86 H	14	75.91	-66.11
3	1902.50	10.30	33.00	-22.70	3.90 H	15	76.29	-65.99
Antenna Polarity & Test Distance: Vertical at 3 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	16.90	33.00	-16.10	1.09 V	317	83.13	-66.23
2	1880.00	16.80	33.00	-16.20	1.06 V	318	82.91	-66.11
3	1902.50	16.50	33.00	-16.50	1.12 V	316	82.49	-65.99

Remarks:

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

LTE Band 2, Channel Bandwidth 20MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	9.90	33.00	-23.10	3.92 H	18	76.12	-66.22
2	1880.00	10.10	33.00	-22.90	3.94 H	18	76.21	-66.11
3	1900.00	10.30	33.00	-22.70	3.90 H	16	76.30	-66.00
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	16.70	33.00	-16.30	1.00 V	318	82.92	-66.22
2	1880.00	17.00	33.00	-16.00	1.10 V	321	83.11	-66.11
3	1900.00	16.50	33.00	-16.50	1.05 V	323	82.50	-66.00

Remarks:

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

Modulation Type: 64QAM

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	9.50	33.00	-23.50	3.89 H	12	75.77	-66.27
2	1880.00	9.70	33.00	-23.30	3.86 H	11	75.81	-66.11
3	1909.30	9.90	33.00	-23.10	3.87 H	13	75.87	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	16.40	33.00	-16.60	1.06 V	320	82.67	-66.27
2	1880.00	16.10	33.00	-16.90	1.10 V	318	82.21	-66.11
3	1909.30	16.10	33.00	-16.90	1.10 V	322	82.07	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	9.50	33.00	-23.50	3.95 H	14	75.76	-66.26
2	1880.00	9.40	33.00	-23.60	3.85 H	13	75.51	-66.11
3	1908.50	9.80	33.00	-23.20	3.94 H	11	75.77	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	16.30	33.00	-16.70	1.12 V	316	82.56	-66.26
2	1880.00	16.40	33.00	-16.60	1.13 V	317	82.51	-66.11
3	1908.50	15.80	33.00	-17.20	1.08 V	316	81.77	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 5MHz

Mode		TX channel 18625, 18900, 19175						
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	9.00	33.00	-24.00	3.88 H	14	75.26	-66.26
2	1880.00	9.50	33.00	-23.50	3.87 H	13	75.61	-66.11
3	1907.50	9.50	33.00	-23.50	3.86 H	16	75.47	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	16.00	33.00	-17.00	1.09 V	318	82.26	-66.26
2	1880.00	15.80	33.00	-17.20	1.04 V	320	81.91	-66.11
3	1907.50	15.70	33.00	-17.30	1.03 V	316	81.67	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 10MHz

Mode		TX channel 18650, 18900, 19150						
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	9.60	33.00	-23.40	3.87 H	16	75.84	-66.24
2	1880.00	9.60	33.00	-23.40	3.89 H	14	75.71	-66.11
3	1905.00	9.50	33.00	-23.50	3.89 H	14	75.48	-65.98
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	16.60	33.00	-16.40	1.06 V	319	82.84	-66.24
2	1880.00	16.30	33.00	-16.70	1.13 V	323	82.41	-66.11
3	1905.00	16.50	33.00	-16.50	1.04 V	321	82.48	-65.98

Remarks:

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

LTE Band 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	9.40	33.00	-23.60	3.92 H	12	75.63	-66.23
2	1880.00	9.30	33.00	-23.70	3.89 H	14	75.41	-66.11
3	1902.50	9.90	33.00	-23.10	3.86 H	11	75.89	-65.99
Antenna Polarity & Test Distance: Vertical at 3 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	16.50	33.00	-16.50	1.12 V	322	82.73	-66.23
2	1880.00	16.20	33.00	-16.80	1.05 V	320	82.31	-66.11
3	1902.50	16.00	33.00	-17.00	1.08 V	323	81.99	-65.99

Remarks:

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

LTE Band 2, Channel Bandwidth 20MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	9.30	33.00	-23.70	3.87 H	11	75.52	-66.22
2	1880.00	9.50	33.00	-23.50	3.89 H	14	75.61	-66.11
3	1900.00	9.70	33.00	-23.30	3.89 H	15	75.70	-66.00
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	16.10	33.00	-16.90	1.13 V	320	82.32	-66.22
2	1880.00	16.50	33.00	-16.50	1.05 V	319	82.61	-66.11
3	1900.00	16.00	33.00	-17.00	1.07 V	323	82.00	-66.00

Remarks:

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

Modulation Type: 256QAM

LTE Band 2, Channel Bandwidth 1.4MHz

Mode	TX channel 18607, 18900, 19193							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	7.90	33.00	-25.10	3.90 H	12	74.17	-66.27
2	1880.00	8.10	33.00	-24.90	3.95 H	12	74.21	-66.11
3	1909.30	8.50	33.00	-24.50	3.95 H	18	74.47	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1850.70	14.80	33.00	-18.20	1.05 V	322	81.07	-66.27
2	1880.00	14.60	33.00	-18.40	1.13 V	316	80.71	-66.11
3	1909.30	14.60	33.00	-18.40	1.04 V	321	80.57	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 3MHz

Mode	TX channel 18615, 18900, 19185							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	8.10	33.00	-24.90	3.91 H	14	74.36	-66.26
2	1880.00	7.90	33.00	-25.10	3.86 H	16	74.01	-66.11
3	1908.50	8.40	33.00	-24.60	3.95 H	17	74.37	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1851.50	14.80	33.00	-18.20	1.12 V	320	81.06	-66.26
2	1880.00	15.00	33.00	-18.00	1.12 V	318	81.11	-66.11
3	1908.50	14.40	33.00	-18.60	1.04 V	317	80.37	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 5MHz

Mode	TX channel 18625, 18900, 19175							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	7.40	33.00	-25.60	3.93 H	13	73.66	-66.26
2	1880.00	8.00	33.00	-25.00	3.87 H	11	74.11	-66.11
3	1907.50	8.10	33.00	-24.90	3.88 H	17	74.07	-65.97
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	14.40	33.00	-18.60	1.09 V	321	80.66	-66.26
2	1880.00	14.20	33.00	-18.80	1.05 V	323	80.31	-66.11
3	1907.50	14.20	33.00	-18.80	1.12 V	322	80.17	-65.97

Remarks:

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

LTE Band 2, Channel Bandwidth 10MHz

Mode	TX channel 18650, 18900, 19150							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	8.00	33.00	-25.00	3.90 H	14	74.24	-66.24
2	1880.00	8.20	33.00	-24.80	3.95 H	17	74.31	-66.11
3	1905.00	8.00	33.00	-25.00	3.86 H	13	73.98	-65.98
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	15.20	33.00	-17.80	1.07 V	321	81.44	-66.24
2	1880.00	14.70	33.00	-18.30	1.10 V	316	80.81	-66.11
3	1905.00	14.90	33.00	-18.10	1.09 V	323	80.88	-65.98

Remarks:

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

LTE Band 2, Channel Bandwidth 15MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	7.80	33.00	-25.20	3.92 H	16	74.03	-66.23
2	1880.00	7.80	33.00	-25.20	3.87 H	11	73.91	-66.11
3	1902.50	8.40	33.00	-24.60	3.92 H	15	74.39	-65.99
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	15.10	33.00	-17.90	1.09 V	323	81.33	-66.23
2	1880.00	14.60	33.00	-18.40	1.07 V	316	80.71	-66.11
3	1902.50	14.40	33.00	-18.60	1.10 V	322	80.39	-65.99

Remarks:

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

LTE Band 2, Channel Bandwidth 20MHz

Mode	TX channel 18675, 18900, 19125							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	7.90	33.00	-25.10	3.94 H	13	74.12	-66.22
2	1880.00	8.00	33.00	-25.00	3.89 H	11	74.11	-66.11
3	1900.00	8.30	33.00	-24.70	3.89 H	15	74.30	-66.00
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	14.50	33.00	-18.50	1.11 V	321	80.72	-66.22
2	1880.00	15.00	33.00	-18.00	1.09 V	321	81.11	-66.11
3	1900.00	14.40	33.00	-18.60	1.06 V	320	80.40	-66.00

Remarks:

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

Modulation Type: QPSK

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	16.00	33.00	-17.00	1.20 H	57	80.09	-64.09
2	2535.00	16.00	33.00	-17.00	1.23 H	57	80.00	-64.00
3	2567.50	15.80	33.00	-17.20	1.20 H	53	79.73	-63.93
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	19.20	33.00	-13.80	1.81 V	96	83.29	-64.09
2	2535.00	19.60	33.00	-13.40	1.81 V	94	83.60	-64.00
3	2567.50	19.60	33.00	-13.40	1.76 V	100	83.53	-63.93

Remarks:

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

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	15.90	33.00	-17.10	1.22 H	56	79.99	-64.09
2	2535.00	16.10	33.00	-16.90	1.18 H	58	80.10	-64.00
3	2565.00	16.00	33.00	-17.00	1.16 H	55	79.94	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	19.20	33.00	-13.80	1.73 V	94	83.29	-64.09
2	2535.00	19.40	33.00	-13.60	1.74 V	97	83.40	-64.00
3	2565.00	19.50	33.00	-13.50	1.75 V	97	83.44	-63.94

Remarks:

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

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	15.90	33.00	-17.10	1.25 H	54	79.98	-64.08
2	2535.00	16.00	33.00	-17.00	1.16 H	53	80.00	-64.00
3	2562.50	16.10	33.00	-16.90	1.19 H	55	80.04	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	19.40	33.00	-13.60	1.80 V	98	83.48	-64.08
2	2535.00	19.50	33.00	-13.50	1.82 V	94	83.50	-64.00
3	2562.50	19.50	33.00	-13.50	1.81 V	93	83.44	-63.94

Remarks:

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

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	16.00	33.00	-17.00	1.20 H	60	80.08	-64.08
2	2535.00	16.30	33.00	-16.70	1.25 H	57	80.30	-64.00
3	2560.00	16.10	33.00	-16.90	1.20 H	53	80.04	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	19.60	33.00	-13.40	1.72 V	97	83.68	-64.08
2	2535.00	19.70	33.00	-13.30	1.80 V	94	83.70	-64.00
3	2560.00	19.40	33.00	-13.60	1.77 V	98	83.34	-63.94

Remarks:

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

Modulation Type: 16QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	14.90	33.00	-18.10	1.18 H	53	78.99	-64.09
2	2535.00	15.20	33.00	-17.80	1.23 H	60	79.20	-64.00
3	2567.50	14.80	33.00	-18.20	1.24 H	55	78.73	-63.93
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	18.40	33.00	-14.60	1.81 V	93	82.49	-64.09
2	2535.00	18.70	33.00	-14.30	1.80 V	96	82.70	-64.00
3	2567.50	18.60	33.00	-14.40	1.73 V	96	82.53	-63.93

Remarks:

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

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	14.80	33.00	-18.20	1.24 H	55	78.89	-64.09
2	2535.00	15.30	33.00	-17.70	1.15 H	54	79.30	-64.00
3	2565.00	15.20	33.00	-17.80	1.24 H	56	79.14	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	18.10	33.00	-14.90	1.77 V	99	82.19	-64.09
2	2535.00	18.20	33.00	-14.80	1.74 V	98	82.20	-64.00
3	2565.00	18.30	33.00	-14.70	1.78 V	99	82.24	-63.94

Remarks:

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

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	15.00	33.00	-18.00	1.20 H	58	79.08	-64.08
2	2535.00	14.80	33.00	-18.20	1.23 H	54	78.80	-64.00
3	2562.50	15.20	33.00	-17.80	1.25 H	60	79.14	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	18.40	33.00	-14.60	1.76 V	95	82.48	-64.08
2	2535.00	18.50	33.00	-14.50	1.72 V	97	82.50	-64.00
3	2562.50	18.70	33.00	-14.30	1.77 V	93	82.64	-63.94

Remarks:

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

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	15.10	33.00	-17.90	1.21 H	57	79.18	-64.08
2	2535.00	15.10	33.00	-17.90	1.17 H	55	79.10	-64.00
3	2560.00	14.90	33.00	-18.10	1.15 H	53	78.84	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	18.40	33.00	-14.60	1.75 V	100	82.48	-64.08
2	2535.00	18.70	33.00	-14.30	1.81 V	95	82.70	-64.00
3	2560.00	18.60	33.00	-14.40	1.78 V	93	82.54	-63.94

Remarks:

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

Modulation Type: 64QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	14.30	33.00	-18.70	1.17 H	59	78.39	-64.09
2	2535.00	14.60	33.00	-18.40	1.22 H	58	78.60	-64.00
3	2567.50	14.30	33.00	-18.70	1.15 H	60	78.23	-63.93
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	17.80	33.00	-15.20	1.72 V	93	81.89	-64.09
2	2535.00	18.10	33.00	-14.90	1.73 V	93	82.10	-64.00
3	2567.50	18.00	33.00	-15.00	1.78 V	99	81.93	-63.93

Remarks:

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

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	14.20	33.00	-18.80	1.24 H	60	78.29	-64.09
2	2535.00	14.80	33.00	-18.20	1.18 H	58	78.80	-64.00
3	2565.00	14.60	33.00	-18.40	1.20 H	60	78.54	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	17.70	33.00	-15.30	1.73 V	93	81.79	-64.09
2	2535.00	17.60	33.00	-15.40	1.78 V	94	81.60	-64.00
3	2565.00	17.80	33.00	-15.20	1.76 V	98	81.74	-63.94

Remarks:

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

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	14.40	33.00	-18.60	1.22 H	54	78.48	-64.08
2	2535.00	14.30	33.00	-18.70	1.25 H	53	78.30	-64.00
3	2562.50	14.80	33.00	-18.20	1.21 H	53	78.74	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	17.90	33.00	-15.10	1.78 V	95	81.98	-64.08
2	2535.00	18.10	33.00	-14.90	1.72 V	100	82.10	-64.00
3	2562.50	18.30	33.00	-14.70	1.81 V	98	82.24	-63.94

Remarks:

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

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	14.60	33.00	-18.40	1.21 H	58	78.68	-64.08
2	2535.00	14.60	33.00	-18.40	1.24 H	56	78.60	-64.00
3	2560.00	14.30	33.00	-18.70	1.18 H	53	78.24	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	18.00	33.00	-15.00	1.76 V	97	82.08	-64.08
2	2535.00	18.30	33.00	-14.70	1.80 V	99	82.30	-64.00
3	2560.00	18.10	33.00	-14.90	1.73 V	93	82.04	-63.94

Remarks:

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

Modulation Type: 256QAM

LTE Band 7, Channel Bandwidth 5MHz

Mode	TX channel 20775, 21100, 21425							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	12.70	33.00	-20.30	1.20 H	58	76.79	-64.09
2	2535.00	13.10	33.00	-19.90	1.16 H	59	77.10	-64.00
3	2567.50	12.80	33.00	-20.20	1.23 H	53	76.73	-63.93
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2502.50	16.40	33.00	-16.60	1.75 V	97	80.49	-64.09
2	2535.00	16.60	33.00	-16.40	1.82 V	100	80.60	-64.00
3	2567.50	16.60	33.00	-16.40	1.74 V	94	80.53	-63.93

Remarks:

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

LTE Band 7, Channel Bandwidth 10MHz

Mode	TX channel 20800, 21100, 21400							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	12.80	33.00	-20.20	1.19 H	54	76.89	-64.09
2	2535.00	13.20	33.00	-19.80	1.25 H	59	77.20	-64.00
3	2565.00	13.00	33.00	-20.00	1.22 H	55	76.94	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2505.00	16.10	33.00	-16.90	1.75 V	93	80.19	-64.09
2	2535.00	16.00	33.00	-17.00	1.73 V	93	80.00	-64.00
3	2565.00	16.20	33.00	-16.80	1.72 V	100	80.14	-63.94

Remarks:

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

LTE Band 7, Channel Bandwidth 15MHz

Mode	TX channel 20825, 21100, 21375							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	13.00	33.00	-20.00	1.16 H	56	77.08	-64.08
2	2535.00	12.90	33.00	-20.10	1.21 H	59	76.90	-64.00
3	2562.50	13.40	33.00	-19.60	1.25 H	55	77.34	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2507.50	16.50	33.00	-16.50	1.76 V	94	80.58	-64.08
2	2535.00	16.70	33.00	-16.30	1.74 V	96	80.70	-64.00
3	2562.50	16.80	33.00	-16.20	1.82 V	100	80.74	-63.94

Remarks:

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

LTE Band 7, Channel Bandwidth 20MHz

Mode	TX channel 20850, 21100, 21350							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	13.10	33.00	-19.90	1.19 H	55	77.18	-64.08
2	2535.00	13.20	33.00	-19.80	1.25 H	54	77.20	-64.00
3	2560.00	12.90	33.00	-20.10	1.17 H	54	76.84	-63.94
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2510.00	16.50	33.00	-16.50	1.73 V	99	80.58	-64.08
2	2535.00	16.80	33.00	-16.20	1.79 V	100	80.80	-64.00
3	2560.00	16.60	33.00	-16.40	1.78 V	93	80.54	-63.94

Remarks:

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

Modulation Type: QPSK

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	14.00	30.00	-16.00	3.95 H	19	80.73	-66.73
2	1745.00	14.10	30.00	-15.90	3.91 H	12	80.75	-66.65
3	1779.30	14.40	30.00	-15.60	3.96 H	18	80.95	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	20.00	30.00	-10.00	1.24 V	244	86.73	-66.73
2	1745.00	20.10	30.00	-9.90	1.25 V	240	86.75	-66.65
3	1779.30	20.00	30.00	-10.00	1.17 V	246	86.55	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	14.40	30.00	-15.60	3.95 H	13	81.12	-66.72
2	1745.00	14.00	30.00	-16.00	3.97 H	18	80.65	-66.65
3	1778.50	14.00	30.00	-16.00	3.99 H	13	80.55	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	20.20	30.00	-9.80	1.20 V	246	86.92	-66.72
2	1745.00	20.00	30.00	-10.00	1.25 V	239	86.65	-66.65
3	1778.50	20.30	30.00	-9.70	1.21 V	241	86.85	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	14.40	30.00	-15.60	3.91 H	15	81.12	-66.72
2	1745.00	14.00	30.00	-16.00	3.97 H	14	80.65	-66.65
3	1777.50	14.40	30.00	-15.60	3.94 H	16	80.95	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	20.30	30.00	-9.70	1.16 V	243	87.02	-66.72
2	1745.00	20.30	30.00	-9.70	1.21 V	239	86.95	-66.65
3	1777.50	20.40	30.00	-9.60	1.18 V	240	86.95	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	14.30	30.00	-15.70	3.95 H	17	81.02	-66.72
2	1745.00	14.40	30.00	-15.60	3.94 H	12	81.05	-66.65
3	1775.00	14.40	30.00	-15.60	3.98 H	18	80.96	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	20.10	30.00	-9.90	1.22 V	242	86.82	-66.72
2	1745.00	20.20	30.00	-9.80	1.20 V	243	86.85	-66.65
3	1775.00	20.20	30.00	-9.80	1.25 V	239	86.76	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	14.00	30.00	-16.00	3.90 H	13	80.71	-66.71
2	1745.00	14.20	30.00	-15.80	3.98 H	14	80.85	-66.65
3	1772.50	14.20	30.00	-15.80	3.99 H	17	80.77	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	20.30	30.00	-9.70	1.15 V	241	87.01	-66.71
2	1745.00	20.40	30.00	-9.60	1.20 V	243	87.05	-66.65
3	1772.50	20.40	30.00	-9.60	1.19 V	244	86.97	-66.57

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	14.40	30.00	-15.60	3.94 H	12	81.10	-66.70
2	1745.00	14.50	30.00	-15.50	3.92 H	18	81.15	-66.65
3	1770.00	14.40	30.00	-15.60	3.96 H	17	80.98	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	20.00	30.00	-10.00	1.21 V	245	86.70	-66.70
2	1745.00	20.50	30.00	-9.50	1.19 V	246	87.15	-66.65
3	1770.00	20.20	30.00	-9.80	1.24 V	243	86.78	-66.58

Remarks:

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

Modulation Type: 16QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	13.20	30.00	-16.80	3.92 H	18	79.93	-66.73
2	1745.00	13.10	30.00	-16.90	3.98 H	19	79.75	-66.65
3	1779.30	13.30	30.00	-16.70	3.92 H	16	79.85	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.20	30.00	-10.80	1.17 V	239	85.93	-66.73
2	1745.00	19.20	30.00	-10.80	1.23 V	244	85.85	-66.65
3	1779.30	19.00	30.00	-11.00	1.18 V	243	85.55	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	13.40	30.00	-16.60	3.97 H	18	80.12	-66.72
2	1745.00	12.80	30.00	-17.20	3.92 H	13	79.45	-66.65
3	1778.50	13.00	30.00	-17.00	3.98 H	18	79.55	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.10	30.00	-10.90	1.15 V	240	85.82	-66.72
2	1745.00	19.10	30.00	-10.90	1.18 V	236	85.75	-66.65
3	1778.50	19.10	30.00	-10.90	1.21 V	236	85.65	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	13.20	30.00	-16.80	3.94 H	12	79.92	-66.72
2	1745.00	12.80	30.00	-17.20	3.90 H	19	79.45	-66.65
3	1777.50	13.20	30.00	-16.80	3.91 H	17	79.75	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.10	30.00	-10.90	1.23 V	241	85.82	-66.72
2	1745.00	19.40	30.00	-10.60	1.22 V	239	86.05	-66.65
3	1777.50	19.30	30.00	-10.70	1.18 V	245	85.85	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	13.30	30.00	-16.70	4.00 H	18	80.02	-66.72
2	1745.00	13.30	30.00	-16.70	3.95 H	16	79.95	-66.65
3	1775.00	13.40	30.00	-16.60	4.00 H	13	79.96	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.00	30.00	-11.00	1.22 V	241	85.72	-66.72
2	1745.00	19.10	30.00	-10.90	1.16 V	246	85.75	-66.65
3	1775.00	19.40	30.00	-10.60	1.21 V	240	85.96	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	13.20	30.00	-16.80	3.94 H	16	79.91	-66.71
2	1745.00	13.10	30.00	-16.90	4.00 H	16	79.75	-66.65
3	1772.50	13.40	30.00	-16.60	3.96 H	19	79.97	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.30	30.00	-10.70	1.17 V	244	86.01	-66.71
2	1745.00	19.50	30.00	-10.50	1.23 V	241	86.15	-66.65
3	1772.50	19.20	30.00	-10.80	1.25 V	244	85.77	-66.57

Remarks:

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

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	13.20	30.00	-16.80	3.98 H	12	79.90	-66.70
2	1745.00	13.40	30.00	-16.60	3.96 H	19	80.05	-66.65
3	1770.00	13.40	30.00	-16.60	3.99 H	16	79.98	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.20	30.00	-10.80	1.25 V	241	85.90	-66.70
2	1745.00	19.70	30.00	-10.30	1.23 V	245	86.35	-66.65
3	1770.00	19.00	30.00	-11.00	1.25 V	243	85.58	-66.58

Remarks:

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

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	12.70	30.00	-17.30	3.99 H	18	79.43	-66.73
2	1745.00	12.50	30.00	-17.50	3.93 H	17	79.15	-66.65
3	1779.30	12.90	30.00	-17.10	3.99 H	14	79.45	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.80	30.00	-11.20	1.18 V	240	85.53	-66.73
2	1745.00	18.70	30.00	-11.30	1.18 V	246	85.35	-66.65
3	1779.30	18.60	30.00	-11.40	1.22 V	240	85.15	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	12.80	30.00	-17.20	3.91 H	13	79.52	-66.72
2	1745.00	12.30	30.00	-17.70	3.98 H	16	78.95	-66.65
3	1778.50	12.50	30.00	-17.50	3.95 H	13	79.05	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.60	30.00	-11.40	1.21 V	244	85.32	-66.72
2	1745.00	18.40	30.00	-11.60	1.15 V	239	85.05	-66.65
3	1778.50	18.70	30.00	-11.30	1.15 V	245	85.25	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	12.60	30.00	-17.40	3.96 H	16	79.32	-66.72
2	1745.00	12.30	30.00	-17.70	3.95 H	14	78.95	-66.65
3	1777.50	12.70	30.00	-17.30	3.94 H	12	79.25	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.50	30.00	-11.50	1.24 V	240	85.22	-66.72
2	1745.00	19.00	30.00	-11.00	1.18 V	245	85.65	-66.65
3	1777.50	18.70	30.00	-11.30	1.24 V	243	85.25	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	12.70	30.00	-17.30	3.98 H	13	79.42	-66.72
2	1745.00	12.70	30.00	-17.30	3.98 H	14	79.35	-66.65
3	1775.00	12.90	30.00	-17.10	3.93 H	16	79.46	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.50	30.00	-11.50	1.15 V	246	85.22	-66.72
2	1745.00	18.50	30.00	-11.50	1.21 V	245	85.15	-66.65
3	1775.00	19.00	30.00	-11.00	1.22 V	239	85.56	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	12.80	30.00	-17.20	3.98 H	16	79.51	-66.71
2	1745.00	12.50	30.00	-17.50	3.91 H	15	79.15	-66.65
3	1772.50	13.00	30.00	-17.00	3.94 H	13	79.57	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.80	30.00	-11.20	1.23 V	244	85.51	-66.71
2	1745.00	19.00	30.00	-11.00	1.16 V	242	85.65	-66.65
3	1772.50	18.70	30.00	-11.30	1.17 V	240	85.27	-66.57

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	12.70	30.00	-17.30	3.91 H	16	79.40	-66.70
2	1745.00	12.90	30.00	-17.10	3.95 H	17	79.55	-66.65
3	1770.00	12.90	30.00	-17.10	3.91 H	19	79.48	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.70	30.00	-11.30	1.18 V	241	85.40	-66.70
2	1745.00	19.10	30.00	-10.90	1.21 V	246	85.75	-66.65
3	1770.00	18.40	30.00	-11.60	1.15 V	244	84.98	-66.58

Remarks:

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

Modulation Type: 256QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	11.30	30.00	-18.70	3.91 H	12	78.03	-66.73
2	1745.00	11.10	30.00	-18.90	3.91 H	14	77.75	-66.65
3	1779.30	11.30	30.00	-18.70	3.95 H	19	77.85	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.20	30.00	-12.80	1.23 V	243	83.93	-66.73
2	1745.00	17.30	30.00	-12.70	1.25 V	241	83.95	-66.65
3	1779.30	17.20	30.00	-12.80	1.16 V	239	83.75	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 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	11.30	30.00	-18.70	3.90 H	16	78.02	-66.72
2	1745.00	10.70	30.00	-19.30	3.97 H	15	77.35	-66.65
3	1778.50	11.00	30.00	-19.00	4.00 H	18	77.55	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.00	30.00	-13.00	1.23 V	241	83.72	-66.72
2	1745.00	16.90	30.00	-13.10	1.21 V	239	83.55	-66.65
3	1778.50	17.20	30.00	-12.80	1.23 V	245	83.75	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	11.10	30.00	-18.90	3.92 H	15	77.82	-66.72
2	1745.00	10.90	30.00	-19.10	3.90 H	19	77.55	-66.65
3	1777.50	11.30	30.00	-18.70	3.95 H	19	77.85	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.10	30.00	-12.90	1.19 V	242	83.82	-66.72
2	1745.00	17.40	30.00	-12.60	1.18 V	242	84.05	-66.65
3	1777.50	17.20	30.00	-12.80	1.23 V	246	83.75	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	11.20	30.00	-18.80	3.96 H	17	77.92	-66.72
2	1745.00	11.10	30.00	-18.90	3.99 H	14	77.75	-66.65
3	1775.00	11.30	30.00	-18.70	3.97 H	18	77.86	-66.56
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.90	30.00	-13.10	1.16 V	239	83.62	-66.72
2	1745.00	17.10	30.00	-12.90	1.17 V	241	83.75	-66.65
3	1775.00	17.60	30.00	-12.40	1.24 V	240	84.16	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	11.20	30.00	-18.80	3.90 H	17	77.91	-66.71
2	1745.00	10.90	30.00	-19.10	3.90 H	14	77.55	-66.65
3	1772.50	11.60	30.00	-18.40	3.90 H	15	78.17	-66.57
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.40	30.00	-12.60	1.18 V	243	84.11	-66.71
2	1745.00	17.40	30.00	-12.60	1.16 V	240	84.05	-66.65
3	1772.50	17.10	30.00	-12.90	1.18 V	243	83.67	-66.57

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/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	11.30	30.00	-18.70	3.96 H	19	78.00	-66.70
2	1745.00	11.30	30.00	-18.70	3.96 H	19	77.95	-66.65
3	1770.00	11.40	30.00	-18.60	3.94 H	13	77.98	-66.58
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.10	30.00	-12.90	1.17 V	242	83.80	-66.70
2	1745.00	17.70	30.00	-12.30	1.22 V	241	84.35	-66.65
3	1770.00	16.90	30.00	-13.10	1.21 V	244	83.48	-66.58

Remarks:

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

4.2 Modulation Characteristics Measurement

4.2.1 Limits of Modulation Characteristics

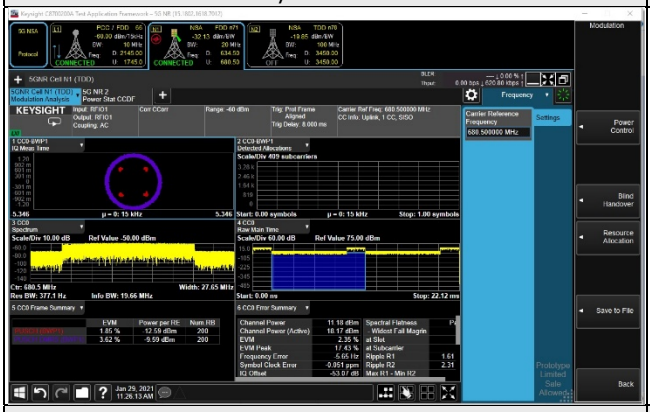
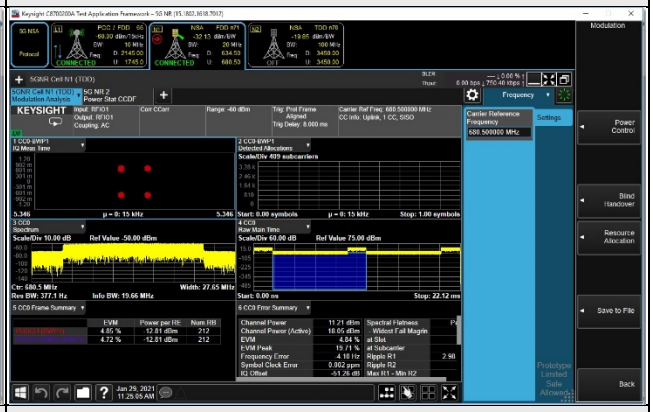
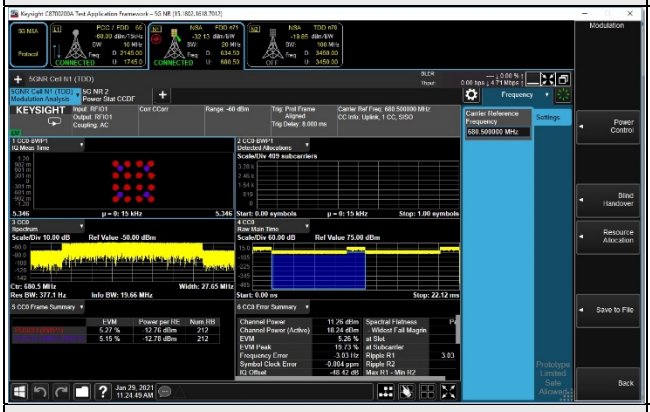
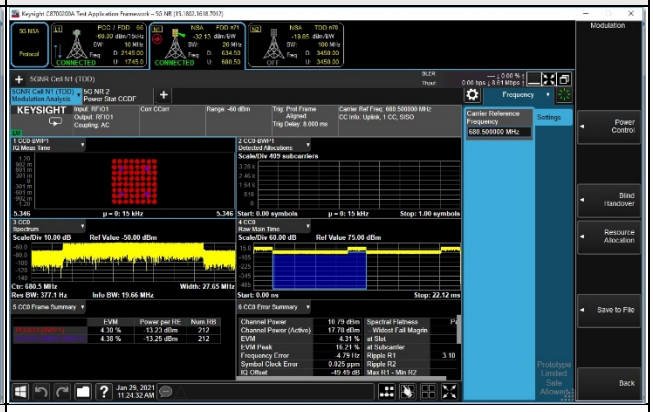
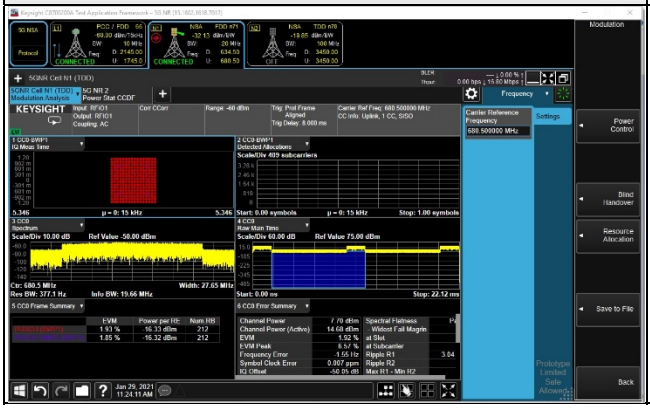
N/A

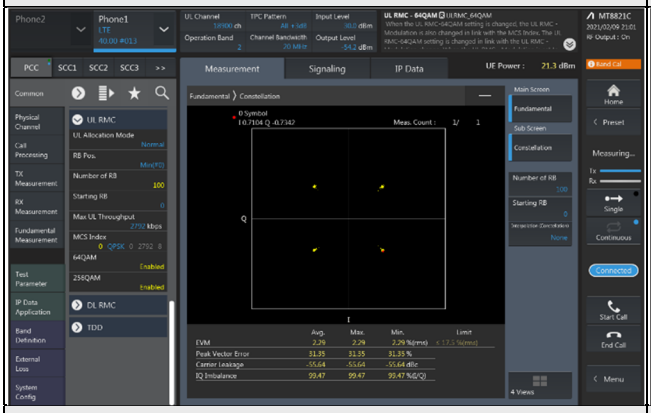
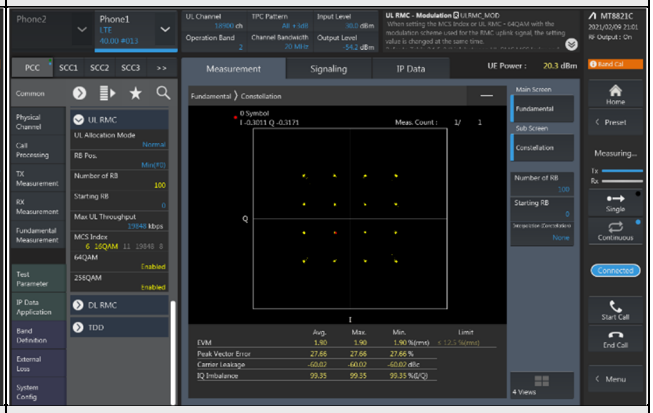
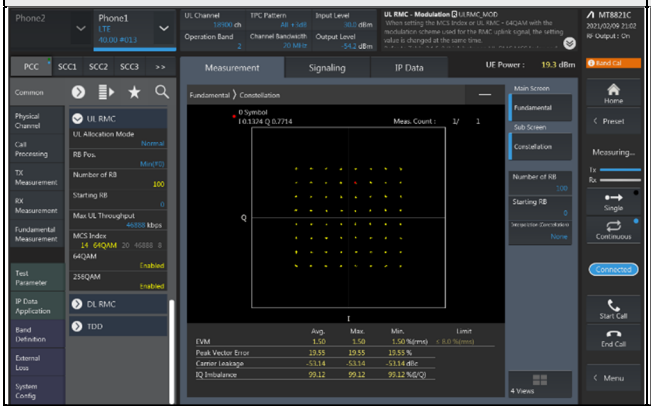
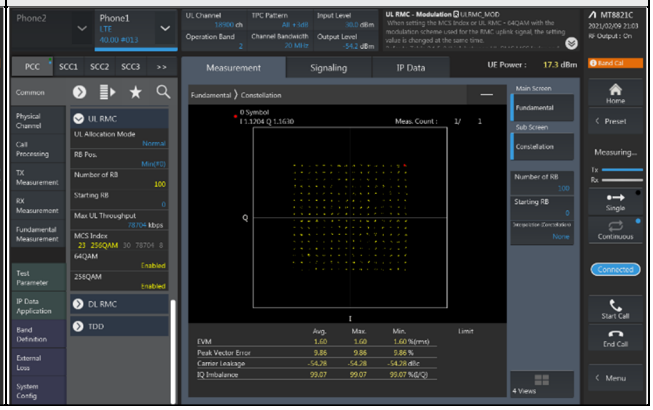
4.2.2 Test Procedure

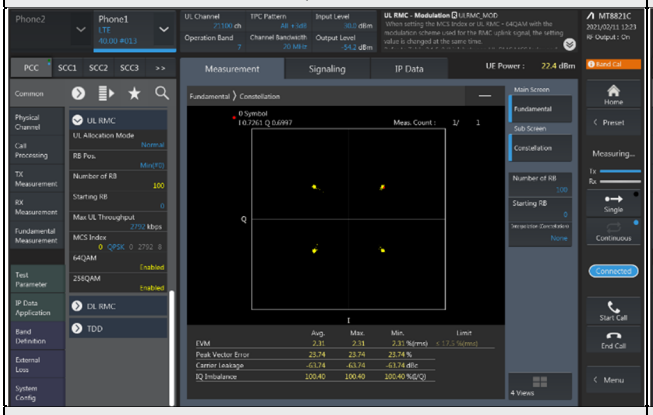
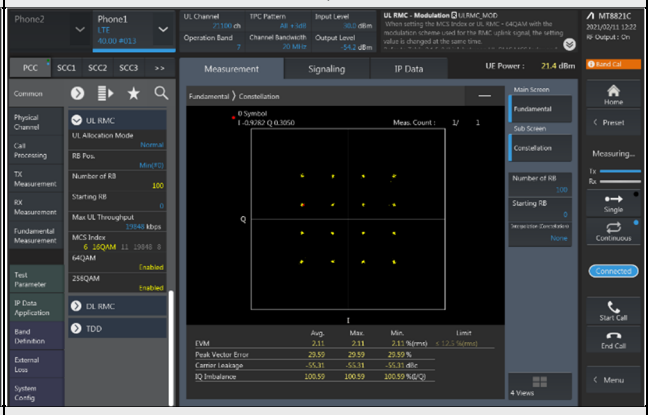
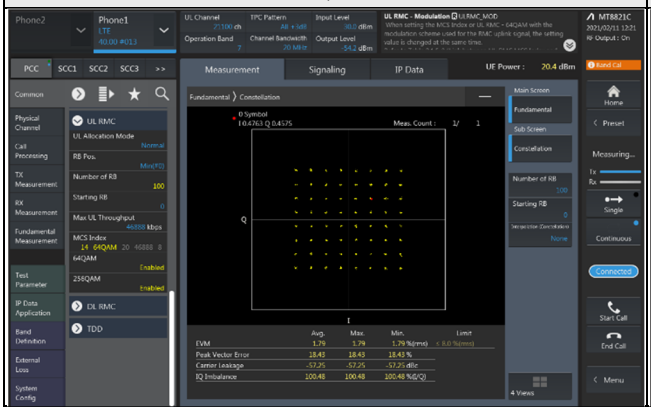
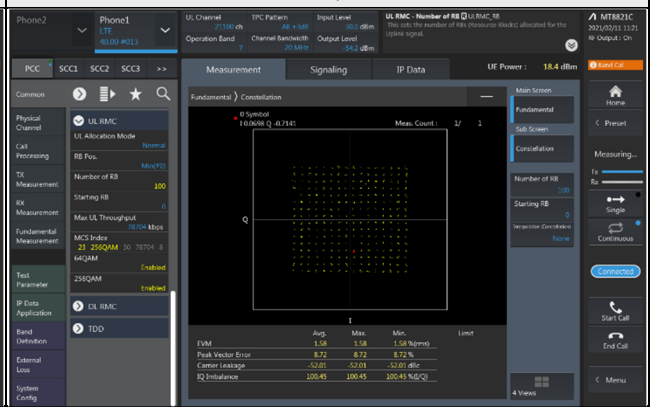
Connect the EUT to Communication Simulator via the antenna connector, The frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

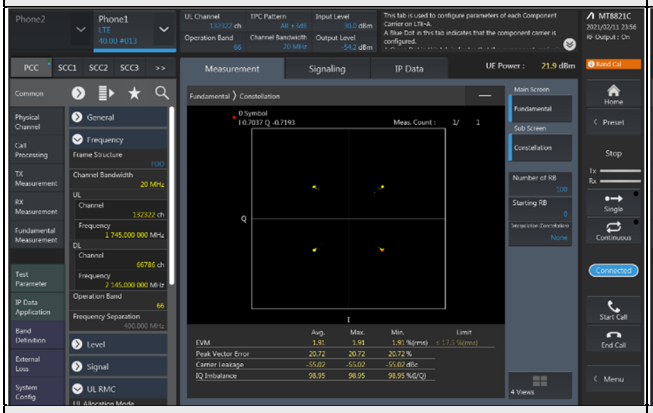
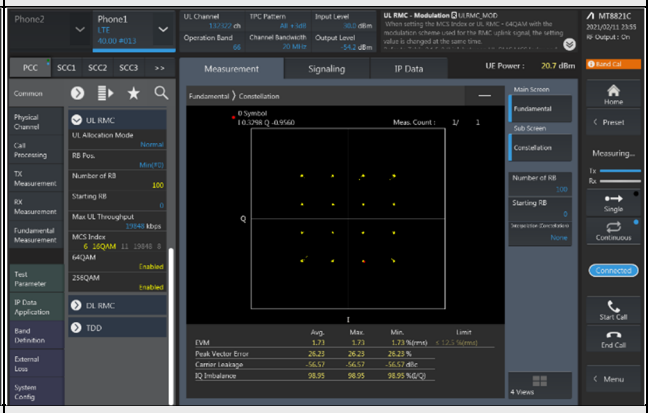
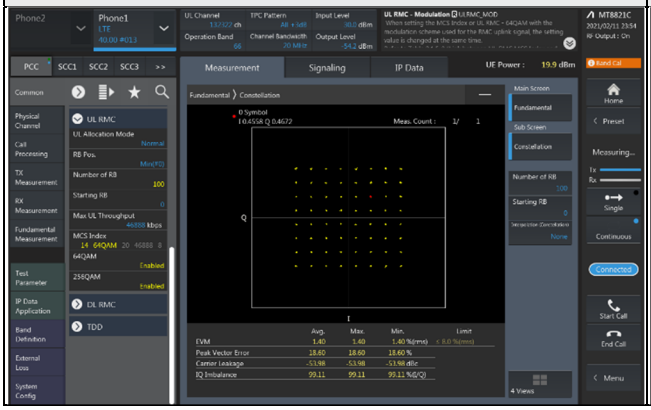
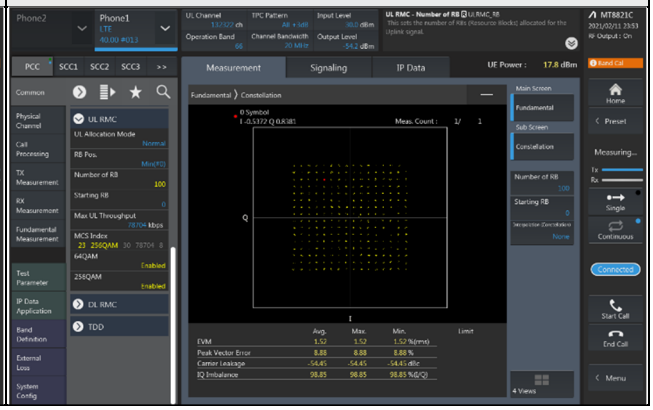
4.2.3 Test Setup

4.2.4 Test Results

n71	
Spectrum Plot of Measurement Value	
Channel: 136100 / Frequency (MHz): 680.5MHz	
$\pi/2$ BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

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

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

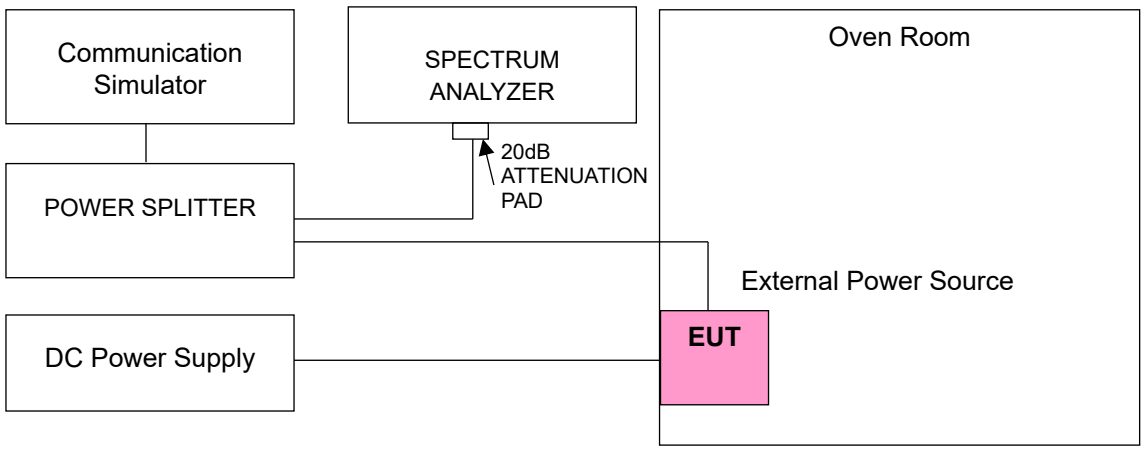
Note: The frequency error was recorded frequency error from the communication simulator.

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)	n71			
	Channel Bandwidth 5MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
4.40	665.499998	-0.003	695.500000	0.006
3.85	665.500003	0.005	695.500000	-0.003
3.40	665.500001	0.002	695.500000	0.004

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

Frequency Error vs. Temperature

Temp. (℃)	n71			
	Channel Bandwidth 5MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	665.500003	0.005	695.500000	0.001
-20	665.499998	-0.003	695.500000	0.001
-10	665.499997	-0.005	695.500000	-0.001
0	665.500001	0.002	695.500000	-0.006
10	665.499998	-0.003	695.500000	0.004
20	665.500004	0.006	695.500000	0.004
30	665.499997	-0.005	695.500000	0.001
40	665.500002	0.003	695.500000	0.004
50	665.500004	0.006	695.500000	-0.001

Frequency Error vs. Voltage

Voltage (Volts)	n71			
	Channel Bandwidth 10MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
4.40	668.000001	0.002	693.000002	0.003
3.85	667.999998	-0.003	692.999997	-0.004
3.40	668.000002	0.003	692.999997	-0.004

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

Frequency Error vs. Temperature

Temp. (℃)	n71			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	668.000003	0.005	692.999996	-0.006
-20	668.000004	0.006	692.999999	-0.001
-10	668.000002	0.003	692.999997	-0.004
0	668.000003	0.005	693.000002	0.003
10	667.999997	-0.005	692.999996	-0.006
20	667.999997	-0.005	692.999996	-0.006
30	668.000002	0.003	693.000003	0.004
40	668.000004	0.006	693.000001	0.001
50	667.999999	-0.002	692.999999	-0.001

Frequency Error vs. Voltage

Voltage (Volts)	n71			
	Channel Bandwidth 15MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
4.40	670.499996	-0.006	690.500002	0.003
3.85	670.499999	-0.002	690.500004	0.006
3.40	670.499997	-0.005	690.500004	0.006

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

Frequency Error vs. Temperature

Temp. (℃)	n71			
	Channel Bandwidth 15MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	670.499999	-0.002	690.500002	0.003
-20	670.499996	-0.006	690.500003	0.004
-10	670.499998	-0.003	690.500003	0.004
0	670.500002	0.003	690.500003	0.004
10	670.499999	-0.002	690.499999	-0.001
20	670.500003	0.005	690.499998	-0.003
30	670.499997	-0.005	690.500002	0.003
40	670.499998	-0.003	690.500001	0.001
50	670.500001	0.002	690.499999	-0.001

Frequency Error vs. Voltage

Voltage (Volts)	n71			
	Channel Bandwidth 20MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
4.40	673.000004	0.006	687.999997	-0.004
3.85	673.000004	0.006	688.000003	0.004
3.40	672.999997	-0.005	687.999998	-0.003

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

Frequency Error vs. Temperature

Temp. (℃)	n71			
	Channel Bandwidth 20MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	673.000004	0.006	687.999996	-0.006
-20	673.000002	0.003	687.999998	-0.003
-10	673.000001	0.002	688.000002	0.003
0	673.000001	0.002	687.999997	-0.004
10	672.999998	-0.003	688.000001	0.001
20	672.999999	-0.002	688.000003	0.004
30	673.000002	0.003	687.999998	-0.003
40	673.000001	0.002	687.999996	-0.006
50	673.000004	0.006	688.000001	0.001

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 2			
	Channel Bandwidth 1.4 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1850.700002	0.000919	1909.300000	0.001205
3.40	1850.700004	0.001945	1909.300002	0.000786
4.40	1850.700001	0.000648	1909.300001	0.000629

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 2			
	Channel Bandwidth 1.4 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1850.700003	0.001459	1909.300003	0.001676
-20	1850.700004	0.001945	1909.300003	0.001519
-10	1850.700002	0.000811	1909.300003	0.001467
0	1850.700002	0.001027	1909.300002	0.000943
10	1850.699996	-0.001945	1909.299998	-0.001205
20	1850.699999	-0.000702	1909.299998	-0.001100
30	1850.699998	-0.001297	1909.299997	-0.001833
40	1850.699997	-0.001405	1909.299998	-0.001100
50	1850.699998	-0.000865	1909.299998	-0.000838

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 2			
	Channel Bandwidth 3MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1851.500004	0.001890	1908.500004	0.001886
3.40	1851.500002	0.001026	1908.500003	0.001572
4.40	1851.500004	0.001944	1908.500001	0.000681

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 2			
	Channel Bandwidth 3MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1851.500001	0.000756	1908.500004	0.002043
-20	1851.500002	0.001134	1908.500003	0.001782
-10	1851.500003	0.001350	1908.500003	0.001362
0	1851.500003	0.001836	1908.500004	0.001834
10	1851.499997	-0.001620	1908.499998	-0.000891
20	1851.499999	-0.000540	1908.499996	-0.002043
30	1851.499999	-0.000594	1908.499997	-0.001362
40	1851.499998	-0.001026	1908.499996	-0.002096
50	1851.499998	-0.001350	1908.499998	-0.000891

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 2			
	Channel Bandwidth 5 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1852.500001	0.000648	1907.500001	0.000682
3.40	1852.500002	0.000864	1907.500002	0.001153
4.40	1852.500004	0.001889	1907.500002	0.000839

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 2			
	Channel Bandwidth 5 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1852.500001	0.000756	1907.500004	0.001835
-20	1852.500004	0.001889	1907.500003	0.001415
-10	1852.500002	0.001134	1907.500003	0.001415
0	1852.500003	0.001727	1907.500004	0.001940
10	1852.499996	-0.001943	1907.499998	-0.001311
20	1852.499997	-0.001457	1907.499999	-0.000734
30	1852.499997	-0.001457	1907.499999	-0.000734
40	1852.499999	-0.000594	1907.499997	-0.001415
50	1852.499997	-0.001835	1907.499997	-0.001678

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 2			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1855.000002	0.000809	1905.000003	0.001732
3.40	1855.000004	0.001887	1905.000001	0.000577
4.40	1855.000002	0.001186	1905.000004	0.002047

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 2			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1855.000002	0.001240	1905.000001	0.000735
-20	1855.000004	0.002156	1905.000004	0.002047
-10	1855.000003	0.001833	1905.000004	0.002100
0	1855.000004	0.001941	1905.000004	0.001995
10	1854.999999	-0.000539	1904.999996	-0.001995
20	1854.999996	-0.002049	1904.999997	-0.001680
30	1854.999998	-0.000916	1904.999997	-0.001732
40	1854.999997	-0.001779	1904.999999	-0.000787
50	1854.999997	-0.001402	1904.999998	-0.001050

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 2			
	Channel Bandwidth 15 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1857.500004	0.001992	1902.500003	0.001314
3.40	1857.500003	0.001669	1902.500004	0.002102
4.40	1857.500002	0.000808	1902.500004	0.001945

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 2			
	Channel Bandwidth 15 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1857.500002	0.001077	1902.500001	0.000578
-20	1857.500002	0.001131	1902.500004	0.002102
-10	1857.500002	0.000861	1902.500001	0.000736
0	1857.500004	0.002046	1902.500002	0.001209
10	1857.499998	-0.001077	1902.499997	-0.001787
20	1857.499999	-0.000646	1902.499998	-0.001156
30	1857.499998	-0.000969	1902.499996	-0.001945
40	1857.499996	-0.001938	1902.499998	-0.001314
50	1857.499999	-0.000538	1902.499999	-0.000788

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 2			
	Channel Bandwidth 20 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1860.000003	0.001828	1900.000002	0.001211
3.40	1860.000003	0.001720	1900.000004	0.001842
4.40	1860.000004	0.001882	1900.000004	0.002105

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 2			
	Channel Bandwidth 20 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1860.000003	0.001720	1900.000001	0.000579
-20	1860.000002	0.000914	1900.000001	0.000579
-10	1860.000002	0.000806	1900.000002	0.001053
0	1860.000003	0.001559	1900.000001	0.000579
10	1859.999999	-0.000753	1899.999999	-0.000632
20	1859.999999	-0.000753	1899.999997	-0.001526
30	1859.999997	-0.001720	1899.999998	-0.001211
40	1859.999996	-0.002151	1899.999999	-0.000789
50	1859.999998	-0.001237	1899.999997	-0.001737

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 7			
	Channel Bandwidth 5MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2502.500004	0.001558	2567.500003	0.001207
3.40	2502.500003	0.001239	2567.500003	0.001091
4.40	2502.500003	0.001359	2567.500001	0.000467

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 7			
	Channel Bandwidth 5MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2502.500002	0.000959	2567.500004	0.001402
-20	2502.500003	0.001119	2567.500004	0.001402
-10	2502.500004	0.001518	2567.500001	0.000389
0	2502.500002	0.000959	2567.500002	0.000857
10	2502.499996	-0.001598	2567.499998	-0.000623
20	2502.499998	-0.000759	2567.499999	-0.000389
30	2502.499997	-0.001319	2567.499998	-0.000623
40	2502.499996	-0.001439	2567.499999	-0.000506
50	2502.499998	-0.000799	2567.499998	-0.000974

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 7			
	Channel Bandwidth 10MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2505.000002	0.000798	2565.000001	0.000468
3.40	2505.000001	0.000439	2565.000003	0.001053
4.40	2505.000003	0.001078	2565.000002	0.000897

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 7			
	Channel Bandwidth 10MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2505.000002	0.000639	2565.000004	0.001559
-20	2505.000002	0.000958	2565.000004	0.001442
-10	2505.000003	0.001158	2565.000004	0.001481
0	2505.000001	0.000439	2565.000003	0.001248
10	2504.999999	-0.000599	2564.999996	-0.001559
20	2504.999997	-0.001357	2564.999997	-0.001209
30	2504.999998	-0.000719	2564.999997	-0.001326
40	2504.999998	-0.000918	2564.999999	-0.000507
50	2504.999998	-0.000719	2564.999996	-0.001404

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 7			
	Channel Bandwidth 15MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2507.500003	0.001077	2562.500002	0.000859
3.40	2507.500001	0.000399	2562.500003	0.001210
4.40	2507.500004	0.001436	2562.500003	0.001132

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 7			
	Channel Bandwidth 15MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2507.500004	0.001515	2562.500001	0.000390
-20	2507.500004	0.001555	2562.500003	0.001210
-10	2507.500001	0.000479	2562.500003	0.001210
0	2507.500004	0.001595	2562.500003	0.001171
10	2507.499996	-0.001555	2562.499998	-0.000741
20	2507.499998	-0.000957	2562.499998	-0.000898
30	2507.499997	-0.001276	2562.499997	-0.001249
40	2507.499999	-0.000518	2562.499997	-0.001132
50	2507.499997	-0.001037	2562.499997	-0.001366

Frequency Error vs. Voltage

Voltage (Volts)	LTE Band 7			
	Channel Bandwidth 20MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	2510.000002	0.000717	2560.000002	0.000586
3.40	2510.000003	0.001195	2560.000003	0.001289
4.40	2510.000001	0.000478	2560.000004	0.001523

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

Frequency Error vs. Temperature

Temp. (℃)	LTE Band 7			
	Channel Bandwidth 20MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2510.000002	0.000797	2560.000003	0.001328
-20	2510.000004	0.001434	2560.000002	0.000703
-10	2510.000001	0.000478	2560.000003	0.001211
0	2510.000002	0.000598	2560.000003	0.001289
10	2509.999997	-0.001315	2559.999996	-0.001563
20	2509.999999	-0.000518	2559.999996	-0.001563
30	2509.999997	-0.001195	2559.999997	-0.001328
40	2509.999997	-0.001036	2559.999998	-0.000820
50	2509.999998	-0.000717	2559.999999	-0.000508

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	0.001228	1779.300003	0.001461
3.40	1710.700002	0.000994	1779.300004	0.002023
4.40	1710.700002	0.001228	1779.300002	0.000843

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	0.000818	1779.300002	0.000843
-20	1710.700003	0.001754	1779.300004	0.002136
-10	1710.700004	0.002104	1779.300001	0.000787
0	1710.700003	0.001578	1779.300002	0.001293
10	1710.699996	-0.002221	1779.299998	-0.000899
20	1710.699997	-0.001987	1779.299999	-0.000562
30	1710.699997	-0.001929	1779.299997	-0.001574
40	1710.699998	-0.001461	1779.299999	-0.000731
50	1710.699999	-0.000643	1779.299996	-0.002136

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	0.001574
3.40	1711.500004	0.002220	1778.500002	0.001181
4.40	1711.500003	0.001987	1778.500002	0.000843

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	0.001928	1778.500002	0.000843
-20	1711.500003	0.001753	1778.500001	0.000787
-10	1711.500002	0.001285	1778.500002	0.001068
0	1711.500003	0.001461	1778.500002	0.001012
10	1711.499999	-0.000701	1778.499997	-0.001462
20	1711.499998	-0.001052	1778.499997	-0.001855
30	1711.499999	-0.000643	1778.499996	-0.002024
40	1711.499996	-0.002220	1778.499998	-0.001125
50	1711.499996	-0.002220	1778.499997	-0.001518

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	1712.500001	0.000701	1777.500004	0.002250
3.40	1712.500001	0.000701	1777.500002	0.001181
4.40	1712.500003	0.001752	1777.500002	0.001125

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	1712.500002	0.001226	1777.500004	0.002194
-20	1712.500002	0.000876	1777.500003	0.001632
-10	1712.500001	0.000701	1777.500003	0.001632
0	1712.500004	0.002161	1777.500004	0.002194
10	1712.499999	-0.000876	1777.499997	-0.001800
20	1712.499998	-0.001168	1777.499997	-0.001800
30	1712.499998	-0.001109	1777.499996	-0.002194
40	1712.499999	-0.000701	1777.499996	-0.002138
50	1712.499996	-0.002161	1777.499998	-0.001406

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	1715.000002	0.001399	1775.000002	0.000845
3.40	1715.000004	0.002157	1775.000004	0.001972
4.40	1715.000002	0.000875	1775.000002	0.001352

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	1715.000002	0.001166	1775.000002	0.001183
-20	1715.000002	0.000991	1775.000002	0.000958
-10	1715.000001	0.000583	1775.000003	0.001408
0	1715.000003	0.001691	1775.000004	0.002028
10	1714.999997	-0.001983	1774.999996	-0.002254
20	1714.999998	-0.001399	1774.999998	-0.001127
30	1714.999996	-0.002274	1774.999998	-0.001296
40	1714.999998	-0.001108	1774.999999	-0.000563
50	1714.999996	-0.002157	1774.999997	-0.001915

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	0.001805	1772.500004	0.002087
3.40	1717.500003	0.001747	1772.500002	0.001241
4.40	1717.500003	0.001921	1772.500002	0.001241

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	1717.500004	0.002329	1772.500001	0.000790
-20	1717.500002	0.001048	1772.500001	0.000733
-10	1717.500004	0.002096	1772.500004	0.002200
0	1717.500001	0.000640	1772.500004	0.002257
10	1717.499996	-0.002271	1772.499997	-0.001805
20	1717.499998	-0.001456	1772.499996	-0.002257
30	1717.499999	-0.000582	1772.499996	-0.002144
40	1717.499998	-0.001339	1772.499997	-0.001862
50	1717.499997	-0.001747	1772.499997	-0.001805

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	0.002267	1770.000002	0.001186
3.40	1720.000003	0.001977	1770.000004	0.001977
4.40	1720.000003	0.001977	1770.000003	0.001412

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	1720.000003	0.001802	1770.000003	0.001469
-20	1720.000003	0.001628	1770.000001	0.000734
-10	1720.000002	0.001221	1770.000002	0.000847
0	1720.000002	0.001105	1770.000004	0.002260
10	1719.999996	-0.002267	1769.999996	-0.002034
20	1719.999999	-0.000814	1769.999999	-0.000847
30	1719.999998	-0.001337	1769.999997	-0.001638
40	1719.999997	-0.002035	1769.999999	-0.000734
50	1719.999998	-0.001105	1769.999998	-0.001130