FCC Test Report
(ENDC: n2 + LTE B5/B12/B66)

Report No.: RFBBQZ-WTW-P21031117-1

FCC ID: PY320400515

Test Model: MR5200

Received Date: Mar. 31, 2021

Test Date: Apr. 27 ~ May 04, 2021

Issued Date: May 17, 2021

Applicant and Manufacturer: NETGEAR INC.

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

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Release Control Record

Issue No.	Description	Date Issued
RFBBQZ-WTW-P21031117-1	Original release	May 17, 2021

1 Certificate of Conformity

Product: 5G MHS Travel Router

Brand: NETGEAR

Test Model: MR5200

Sample Status: Engineering sample

Applicant: NETGEAR INC.

Test Date: Apr. 27 ~ May 04, 2021

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

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

Prepared by : Pettie Chen , **Date:** May 17, 2021
Pettie Chen / Senior Specialist

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

2 Summary of Test Results

For n2

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 -33.70dB at 83.42MHz.

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

For LTE Band 5

Applied Standard: FCC Part 22 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 22.913 (a)	Effective radiated power	Pass	Meet the requirement of limit.
2.1047	Modulation Characteristics	Pass	Refer to Note 1
22.913 (d)	Peak To Average Ratio	Pass	Refer to Note 1
2.1055 22.355	Frequency Stability	Pass	Refer to Note 1
2.1049	Occupied Bandwidth	Pass	Refer to Note 1
22.917	Band Edge Measurements	Pass	Refer to Note 1
2.1051 22.917	Conducted Spurious Emissions	Pass	Refer to Note 1
2.1053 22.917	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -35.00dB at 84.83MHz.

Note:

1. This report is a partial report. Therefore, only test item of Transmitter Output Power and Effective Radiated Power and Radiated Spurious Emissions tests were performed for this report. Other testing data please refer to BV CPS report no.: RFBBQZ-WTW-P20120749-3.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

For LTE Band 12, LTE Band 66

Applied Standard: FCC Part 27 & Part 2				
FCC Clause		Test Item	Result	Remarks
LTE B12	LTE B66			
2.1046 27.50 (c)	2.1046 27.50 (d)(4)	Equivalent Isotropically Radiated Power / Equivalent Radiated Power	Pass	Meet the requirement of limit.
2.1047	2.1047	Modulation Characteristics	Pass	Refer to Note 1
----	27.50 (d)(5)	Peak To Average Ratio	Pass	Refer to Note 1
2.1055 27.54	2.1055 27.54	Frequency Stability Stay with the authorized bands of operation	Pass	Refer to Note 1
2.1049	2.1049	Occupied Bandwidth	Pass	Refer to Note 1
2.1051 27.53 (g)	2.1051 27.53 (h)	Band Edge / Out of Band Emissions Measurements	Pass	Refer to Note 1
2.1051 27.53 (g)	2.1051 27.53 (h)	Conducted Spurious Emissions	Pass	Refer to Note 1
2.1053 27.53 (g)	2.1053 27.53 (h)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -32.10dB at 83.42MHz.

Note:

1. This report is a partial report. Therefore, only test item of Transmitter Output Power and Equivalent Isotropically Radiated Power / Equivalent Radiated Power and Radiated Spurious Emissions tests were performed for this report. Other testing data please refer to BV CPS report no.: RFBBQZ-WTW-P20120749-5.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

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

2.2 Test Site and Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver KEYSIGHT	N9038A	MY55420137	Apr. 09, 2021	Apr. 08, 2022
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSW43	101866	Dec. 14, 2020	Dec. 13, 2021
MXG Vector signal generator Agilent	N5182B	MY53050430	Nov. 25, 2020	Nov. 24, 2021
5G Wireless Test Platforms Keysight	E7515B	MY60102114	May 28, 2020	May 27, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Nov. 06, 2020	Nov. 05, 2021
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 22, 2020	Nov. 21, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Nov. 06, 2020	Nov. 05, 2021
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1169	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 22, 2020	Nov. 21, 2021
Preamplifier Agilent (Below 1GHz)	8447D	2944A10638	Jun. 08, 2020	Jun. 07, 2021
Preamplifier Agilent (Above 1GHz)	8449B	3008A02367	Feb. 17, 2021	Feb. 16, 2022
RF signal cable HUBER+SUHNER&EMCI	SUCOFLEX 104 & EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	Jan. 16, 2021	Jan. 15, 2022
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	Jan. 16, 2021	Jan. 15, 2022
RF signal cable Woken	8D-FB	Cable-CH9-01	Jun. 08, 2020	Jun. 07, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower &Turn BV ADT	AT100	AT93021705	NA	NA
Turn Table BV ADT	TT100	TT93021705	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Standard Temperature And Humidity Chamber GIANT FORCE	GTH-120-40-CP-AR	MAA1306-019	Sep. 10, 2020	Sep. 09, 2021

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

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

3 General Information

3.1 General Description of EUT

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

n2

Modulation Type	$\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM					
Waveform Type	CP-OFDM, DFT-s-OFDM					
Operating Frequency	n2 (Channel Bandwidth 5MHz)	1852.5MHz ~ 1907.5MHz				
	n2 (Channel Bandwidth 10MHz)	1855.0MHz ~ 1905.0MHz				
	n2 (Channel Bandwidth 15MHz)	1857.5MHz ~ 1902.5MHz				
	n2 (Channel Bandwidth 20MHz)	1860.0MHz ~ 1900.0MHz				
Max. EIRP Power (Internal Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n2 (Channel Bandwidth 5MHz)	232.274mW (23.66dBm)	254.683mW (24.06dBm)	199.526mW (23.00dBm)	174.985mW (22.43dBm)	126.765mW (21.03dBm)
	n2 (Channel Bandwidth 10MHz)	254.097mW (24.05dBm)	278.612mW (24.45dBm)	199.526mW (23.00dBm)	174.582mW (22.42dBm)	126.474mW (21.02dBm)
	n2 (Channel Bandwidth 15MHz)	246.604mW (23.92dBm)	265.461mW (24.24dBm)	197.242mW (22.95dBm)	171.791mW (22.35dBm)	127.057mW (21.04dBm)
	n2 (Channel Bandwidth 20MHz)	228.034mW (23.58dBm)	250.035mW (23.98dBm)	223.357mW (23.49dBm)	194.536mW (22.89dBm)	134.586mW (21.29dBm)
Max. EIRP Power (External Antenna)		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n2 (Channel Bandwidth 5MHz)	203.704mW (23.09dBm)	220.293mW (23.43dBm)	153.109mW (21.85dBm)	129.718mW (21.13dBm)	103.039mW (20.13dBm)
	n2 (Channel Bandwidth 10MHz)	211.349mW (23.25dBm)	231.739mW (23.65dBm)	184.927mW (22.67dBm)	146.555mW (21.66dBm)	115.878mW (20.64dBm)
	n2 (Channel Bandwidth 15MHz)	202.768mW (23.07dBm)	219.786mW (23.42dBm)	175.388mW (22.44dBm)	138.995mW (21.43dBm)	110.408mW (20.43dBm)
	n2 (Channel Bandwidth 20MHz)	207.970mW (23.18dBm)	228.034mW (23.58dBm)	180.717mW (22.57dBm)	143.549mW (21.57dBm)	114.025mW (20.57dBm)
Emission Designator		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
	n2 (Channel Bandwidth 5MHz)	4M46G7D	4M47G7D	4M47D7W	4M47D7W	4M47D7W
	n2 (Channel Bandwidth 10MHz)	8M93G7D	9M30G7D	9M30D7W	9M30D7W	9M30D7W
	n2 (Channel Bandwidth 15MHz)	13M4G7D	14M2G7D	14M2D7W	14M2D7W	14M2D7W
	n2 (Channel Bandwidth 20MHz)	17M9G7D	19M1G7D	19M0D7W	19M0D7W	19M1D7W

LTE Band

Modulation Type	QPSK, 16QAM, 64QAM, 256QAM				
Operating Frequency	LTE Band 5 (Channel Bandwidth 1.4MHz)	824.7MHz ~ 848.3MHz			
	LTE Band 5 (Channel Bandwidth 3MHz)	825.5MHz ~ 847.5MHz			
	LTE Band 5 (Channel Bandwidth 5MHz)	826.5MHz ~ 846.5MHz			
	LTE Band 5 (Channel Bandwidth 10MHz)	829.0MHz ~ 844.0MHz			
	LTE Band 12 (Channel Bandwidth 1.4MHz)	699.7MHz ~ 715.3MHz			
	LTE Band 12 (Channel Bandwidth 3MHz)	700.5MHz ~ 714.5MHz			
	LTE Band 12 (Channel Bandwidth 5MHz)	701.5MHz ~ 713.5MHz			
	LTE Band 12 (Channel Bandwidth 10MHz)	704.0MHz ~ 711.0MHz			
	LTE Band 66 (Channel Bandwidth 1.4MHz)	1710.7MHz ~ 1779.3MHz			
	LTE Band 66 (Channel Bandwidth 3MHz)	1711.5MHz ~ 1778.5MHz			
	LTE Band 66 (Channel Bandwidth 5MHz)	1712.5MHz ~ 1777.5MHz			
	LTE Band 66 (Channel Bandwidth 10MHz)	1715.0MHz ~ 1775.0MHz			
	LTE Band 66 (Channel Bandwidth 15MHz)	1717.5MHz ~ 1772.5MHz			
	LTE Band 66 (Channel Bandwidth 20MHz)	1720.0MHz ~ 1770.0MHz			
Max. ERP Power (Internal Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 5 (Channel Bandwidth 1.4MHz)	83.753mW (19.23dBm)	68.077mW (18.33dBm)	61.235mW (17.87dBm)	42.364mW (16.27dBm)
	LTE Band 5 (Channel Bandwidth 3MHz)	88.105mW (19.45dBm)	73.282mW (18.65dBm)	61.376mW (17.88dBm)	44.463mW (16.48dBm)
	LTE Band 5 (Channel Bandwidth 5MHz)	87.902mW (19.44dBm)	71.450mW (18.54dBm)	63.387mW (18.02dBm)	45.920mW (16.62dBm)
	LTE Band 5 (Channel Bandwidth 10MHz)	88.716mW (19.48dBm)	72.111mW (18.58dBm)	59.979mW (17.78dBm)	41.976mW (16.23dBm)
	LTE Band 12 (Channel Bandwidth 1.4MHz)	240.991mW (23.82dBm)	191.867mW (22.83dBm)	152.405mW (21.83dBm)	121.339mW (20.84dBm)
	LTE Band 12 (Channel Bandwidth 3MHz)	240.436mW (23.81dBm)	200.447mW (23.02dBm)	157.761mW (21.98dBm)	125.603mW (20.99dBm)
	LTE Band 12 (Channel Bandwidth 5MHz)	239.883mW (23.80dBm)	191.426mW (22.82dBm)	152.405mW (21.83dBm)	120.504mW (20.81dBm)
	LTE Band 12 (Channel Bandwidth 10MHz)	240.436mW (23.81dBm)	190.985mW (22.81dBm)	151.705mW (21.81dBm)	120.226mW (20.80dBm)
Max. ERP Power (External Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 5 (Channel Bandwidth 1.4MHz)	89.125mW (19.50dBm)	71.121mW (18.52dBm)	56.624mW (17.53dBm)	44.771mW (16.51dBm)
	LTE Band 5 (Channel Bandwidth 3MHz)	88.920mW (19.49dBm)	70.795mW (18.50dBm)	56.234mW (17.50dBm)	44.463mW (16.48dBm)
	LTE Band 5 (Channel Bandwidth 5MHz)	88.308mW (19.46dBm)	69.984mW (18.45dBm)	55.335mW (17.43dBm)	44.157mW (16.45dBm)
	LTE Band 5 (Channel Bandwidth 10MHz)	89.536mW (19.52dBm)	71.285mW (18.53dBm)	56.364mW (17.51dBm)	44.668mW (16.50dBm)
	LTE Band 12 (Channel Bandwidth 1.4MHz)	75.162mW (18.76dBm)	59.841mW (17.77dBm)	47.753mW (16.79dBm)	37.844mW (15.78dBm)
	LTE Band 12 (Channel Bandwidth 3MHz)	74.473mW (18.72dBm)	59.293mW (17.73dBm)	46.881mW (16.71dBm)	37.154mW (15.70dBm)
	LTE Band 12 (Channel Bandwidth 5MHz)	73.961mW (18.69dBm)	58.479mW (17.67dBm)	46.345mW (16.66dBm)	36.813mW (15.66dBm)
	LTE Band 12 (Channel Bandwidth 10MHz)	74.817mW (18.74dBm)	59.156mW (17.72dBm)	47.098mW (16.73dBm)	37.411mW (15.73dBm)

		QPSK	16QAM	64QAM	256QAM
Max. EIRP Power (Internal Antenna)	LTE Band 66 (Channel Bandwidth 1.4MHz)	123.595mW (20.92dBm)	97.949mW (19.91dBm)	77.983mW (18.92dBm)	62.230mW (17.94dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	115.080mW (20.61dBm)	97.051mW (19.87dBm)	76.913mW (18.86dBm)	60.954mW (17.85dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	124.165mW (20.94dBm)	99.083mW (19.96dBm)	78.886mW (18.97dBm)	62.806mW (17.98dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	123.880mW (20.93dBm)	99.312mW (19.97dBm)	79.068mW (18.98dBm)	63.096mW (18.00dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	123.310mW (20.91dBm)	98.175mW (19.92dBm)	77.804mW (18.91dBm)	61.518mW (17.89dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	122.462mW (20.88dBm)	97.724mW (19.90dBm)	77.804mW (18.91dBm)	61.944mW (17.92dBm)
Max. EIRP Power (External Antenna)		QPSK	16QAM	64QAM	256QAM
	LTE Band 66 (Channel Bandwidth 1.4MHz)	85.114mW (19.30dBm)	67.608mW (18.30dBm)	54.954mW (17.40dBm)	43.652mW (16.40dBm)
	LTE Band 66 (Channel Bandwidth 3MHz)	85.114mW (19.30dBm)	67.608mW (18.30dBm)	54.954mW (17.40dBm)	43.652mW (16.40dBm)
	LTE Band 66 (Channel Bandwidth 5MHz)	85.114mW (19.30dBm)	67.608mW (18.30dBm)	54.954mW (17.40dBm)	43.652mW (16.40dBm)
	LTE Band 66 (Channel Bandwidth 10MHz)	81.283mW (19.10dBm)	64.565mW (18.10dBm)	54.954mW (17.40dBm)	43.652mW (16.40dBm)
	LTE Band 66 (Channel Bandwidth 15MHz)	91.201mW (19.60dBm)	70.795mW (18.50dBm)	58.884mW (17.70dBm)	46.774mW (16.70dBm)
	LTE Band 66 (Channel Bandwidth 20MHz)	100.000mW (20.00dBm)	79.433mW (19.00dBm)	63.096mW (18.00dBm)	50.119mW (17.00dBm)
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 (Internal Antenna)	n2+LTE Band 5		Maximum EIRP	Sum Bandwidth
		n2	278.612mW (24.45dBm)	18M3G7D
		LTE Band 5 (ERP)	88.716mW (19.48dBm)	
			EIRP	MAX Sum Bandwidth
		n2	250.035mW (23.98dBm)	28M1G7D
		LTE Band 5 (ERP)	59.979mW (17.78dBm)	
	n2+LTE Band 12		Maximum EIRP	Sum Bandwidth
		n2	278.612mW (24.45dBm)	10M4G7D
		LTE Band 12 (ERP)	240.991mW (23.82dBm)	
			EIRP	MAX Sum Bandwidth
		n2	250.035mW (23.98dBm)	28M1G7D
		LTE Band 12 (ERP)	151.705mW (21.81dBm)	
	n2+LTE Band 66		Maximum EIRP	Sum Bandwidth
		n2	278.612mW (24.45dBm)	13M8G7D
		LTE Band 66 (EIRP)	124.165mW (20.94dBm)	
			EIRP	MAX Sum Bandwidth
		n2	250.035mW (23.98dBm)	37M1G7D
		LTE Band 66 (EIRP)	97.724mW (19.90dBm)	

Output Power / Emission Designator (External Antenna)	n2+LTE Band 5		Maximum EIRP	Sum Bandwidth
		n2	231.739mW (23.65dBm)	18M3G7D
		LTE Band 5 (ERP)	89.536mW (19.52dBm)	
			EIRP	MAX Sum Bandwidth
		n2	228.034mW (23.58dBm)	28M1G7D
		LTE Band 5 (ERP)	56.364mW (17.51dBm)	
	n2+LTE Band 12		Maximum EIRP	Sum Bandwidth
		n2	231.739mW (23.65dBm)	10M4G7D
		LTE Band 12 (ERP)	75.162mW (18.76dBm)	
			EIRP	MAX Sum Bandwidth
		n2	228.034mW (23.58dBm)	28M7G7D
		LTE Band 12 (ERP)	47.098mW (16.73dBm)	
	n2+LTE Band 66		Maximum EIRP	Sum Bandwidth
		n2	231.739mW (23.65dBm)	27M2G7D
		LTE Band 66 (EIRP)	100.000mW (20.00dBm)	
			EIRP	MAX Sum Bandwidth
		n2	228.034mW (23.58dBm)	37M1G7D
		LTE Band 66 (EIRP)	79.433mW (19.00dBm)	

Note:

1. This report is prepared for FCC class II permissive change. This report is issued as a supplementary report of BV CPS report no.: RFBBQZ-WTW-P20120749-6. Differences compared with the original report are changing model and adding ENDC n2A. Therefore, the EUT was tested and presented in the test report.
2. The EUT uses following adapter and battery.

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

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

3. The following antennas were provided to the EUT.

Internal Antenna

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

External Antenna

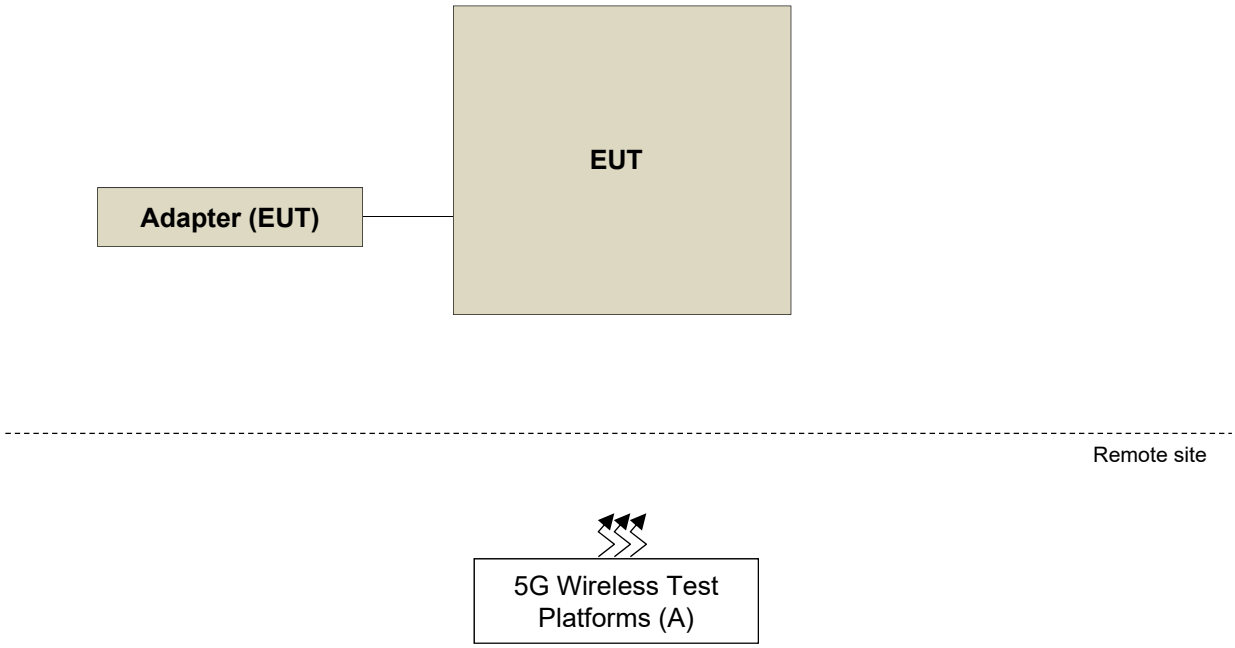
No.	Type	Connector	Gain (dBi)						
			B2	B5	B7	B12	B41	B66	B71
1	Monopole	TS-9 plugs	0.48	0.54	0.24	0.54	0.24	0.48	0.54
2	Monopole	TS-9 plugs	0.25	0.48	0.28	0.48	0.28	0.25	0.48

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

4. The EUT supports the following ENDC configuration.

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

3.2 Configuration of System under Test



3.2.1 Description of Support Units

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

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

Note:

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

3.3 Test Mode Applicability and Tested Channel Detail

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

Band	ERP/EIRP		Radiated Emission	
	Internal Antenna	External Antenna	Internal Antenna	External Antenna
n2	X-plane	Z-plane	X-plane	Z-plane
LTE Band 5	X-plane	Z-plane	X-plane	Z-plane
LTE Band 12	X-plane	Z-plane	X-plane	Z-plane
LTE Band 66	X-plane	Z-plane	X-plane	Z-plane

n2

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	EIRP	370500 to 381500	370500 (1852.5MHz), 376000 (1880.0MHz), 381500 (1907.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		371000 to 381000	371000 (1855.0MHz), 376000 (1880.0MHz), 381000 (1905.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		371500 to 380500	371500 (1857.5MHz), 376000 (1880.0MHz), 380500 (1902.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		372000 to 380000	372000 (1860.0MHz), 376000 (1880.0MHz), 380000 (1900.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Modulation characteristics	372000 to 380000	376000 (1880.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	106 RB / 0 RB Offset
-	Frequency Stability	370500 to 381500	370500 (1852.5MHz), 381500 (1907.5MHz)	5MHz	QPSK	25 RB / 0 RB Offset
		371000 to 381000	371000 (1855.0MHz), 381000 (1905.0MHz)	10MHz	QPSK	52 RB / 0 RB Offset
		371500 to 380500	371500 (1857.5MHz), 380500 (1902.5MHz)	15MHz	QPSK	79 RB / 0 RB Offset
		372000 to 380000	372000 (1860.0MHz), 380000 (1900.0MHz)	20MHz	QPSK	106 RB / 0 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Occupied Bandwidth	370500 to 381500	370500 (1852.5MHz), 376000 (1880.0MHz), 381500 (1907.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	25 RB / 0 RB Offset
		371000 to 381000	371000 (1855.0MHz), 376000 (1880.0MHz), 381000 (1905.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	52 RB / 0 RB Offset
		371500 to 380500	371500 (1857.5MHz), 376000 (1880.0MHz), 380500 (1902.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	79 RB / 0 RB Offset
		372000 to 380000	372000 (1860.0MHz), 376000 (1880.0MHz), 380000 (1900.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	106 RB / 0 RB Offset
-	Band Edge	370500 to 381500	370500 (1852.5MHz), 381500 (1907.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset 1 RB / 24 RB Offset 25 RB / 0 RB Offset
		371000 to 381000	371000 (1855.0MHz), 381000 (1905.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset 1 RB / 51 RB Offset 52 RB / 0 RB Offset
		371500 to 380500	371500 (1857.5MHz), 380500 (1902.5MHz)	15MHz	QPSK	1 RB / 0 RB Offset 1 RB / 78 RB Offset 79 RB / 0 RB Offset
		372000 to 380000	372000 (1860.0MHz), 380000 (1900.0MHz)	20MHz	QPSK	1 RB / 0 RB Offset 1 RB / 105 RB Offset 106 RB / 0 RB Offset
-	Peak to Average Ratio	370500 to 381500	370500 (1852.5MHz), 376000 (1880.0MHz), 381500 (1907.5MHz)	5MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		371000 to 381000	371000 (1855.0MHz), 376000 (1880.0MHz), 381000 (1905.0MHz)	10MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		371500 to 380500	371500 (1857.5MHz), 376000 (1880.0MHz), 380500 (1902.5MHz)	15MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		372000 to 380000	372000 (1860.0MHz), 376000 (1880.0MHz), 380000 (1900.0MHz)	20MHz	$\pi/2$ BPSK / QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	Conducted Emission	370500 to 381500	370500 (1852.5MHz), 376000 (1880.0MHz), 381500 (1907.5MHz)	5MHz	QPSK	1 RB / 1 RB Offset
		371000 to 381000	371000 (1855.0MHz), 376000 (1880.0MHz), 381000 (1905.0MHz)	10MHz	QPSK	1 RB / 1 RB Offset
		371500 to 380500	371500 (1857.5MHz), 376000 (1880.0MHz), 380500 (1902.5MHz)	15MHz	QPSK	1 RB / 1 RB Offset
		372000 to 380000	372000 (1860.0MHz), 376000 (1880.0MHz), 380000 (1900.0MHz)	20MHz	QPSK	1 RB / 1 RB Offset
-	Radiated Emission Below 1GHz	370500 to 381500	381500 (1907.5MHz)	5MHz	QPSK	1 RB / 1 RB Offset
-	Radiated Emission Above 1GHz	370500 to 381500	370500 (1852.5MHz), 376000 (1880.0MHz), 381500 (1907.5MHz)	5MHz	QPSK	1 RB / 1 RB Offset
		372000 to 380000	372000 (1860.0MHz), 376000 (1880.0MHz), 380000 (1900.0MHz)	20MHz	QPSK	1 RB / 1 RB Offset

Note:

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

LTE Band 5

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

Note:

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

LTE Band 12

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	Mode
-	ERP	23017 to 23173	23017 (699.7MHz), 23095 (707.5MHz), 23173 (715.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		23025 to 23165	23025 (700.5MHz), 23095 (707.5MHz), 23165 (714.5MHz)	3MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		23035 to 23155	23035 (701.5MHz), 23095 (707.5MHz), 23155 (713.5MHz)	5MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
		23060 to 23130	23060 (704.0MHz), 23095 (707.5MHz), 23130 (711.0 MHz)	10MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB / 1 RB Offset
-	Radiated Emission Below 1GHz	23017 to 23173	23017 (699.7MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
-	Radiated Emission Above 1GHz	23017 to 23173	23017 (699.7MHz), 23095 (707.5MHz), 23173 (715.3MHz)	1.4MHz	QPSK	1 RB / 0 RB Offset
		23035 to 23155	23035 (701.5MHz), 23095 (707.5MHz), 23155 (713.5MHz)	5MHz	QPSK	1 RB / 0 RB Offset
		23060 to 23130	23060 (704.0MHz), 23095 (707.5MHz), 23130 (711.0MHz)	10MHz	QPSK	1 RB / 0 RB Offset

Note:

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

LTE Band 66

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

Note:

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

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
EIRP / ERP	21deg. C, 69%RH 22deg. C, 66%RH	120Vac, 60Hz	Luis Lee Greg Lin Titan Hsu
Modulation Characteristics	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Frequency Stability	22deg. C, 66%RH	3.85Vdc	Gavin Wu
Occupied Bandwidth	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Band Edge	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Peak To Average Ratio	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Conducted Emission	22deg. C, 66%RH	120Vac, 60Hz	Gavin Wu
Radiated Emission	25deg. C, 70%RH 23deg. C, 66%RH 21deg. C, 68%RH 21deg. C, 69%RH	120Vac, 60Hz	Hans Wu Luis Lee Titan Hsu

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 22

FCC 47 CFR Part 24

FCC 47 CFR Part 27

ANSI/TIA/EIA-603-D-2010

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

References Test Guidance:

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 971168 D02 Misc Rev Approv License Devices v02r01

All test items have been performed 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 n2:
Mobile / Portable station are limited to 2 watts e.i.r.p.

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

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

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

4.1.2 Test Procedures

EIRP / ERP Measurement:

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

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

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

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

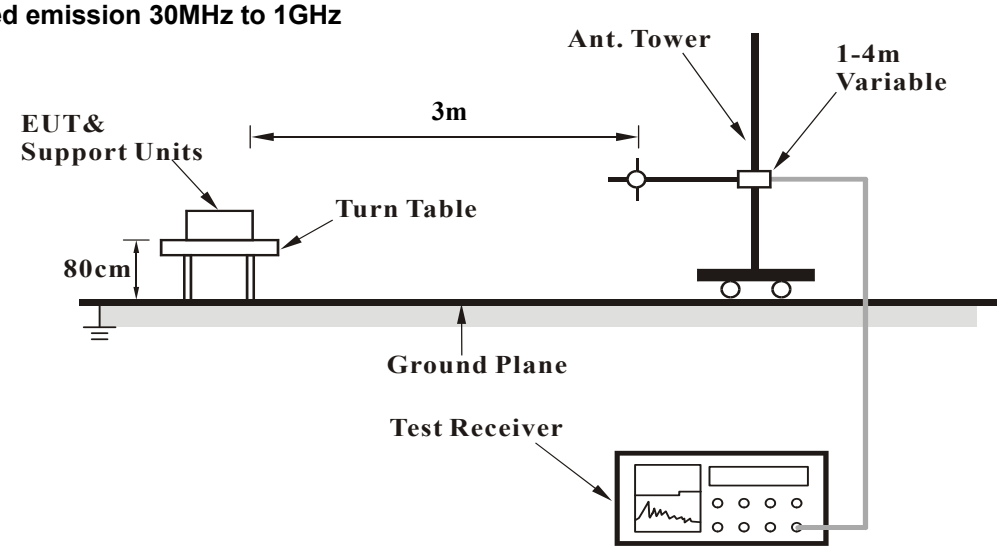
Conducted Power Measurement:

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

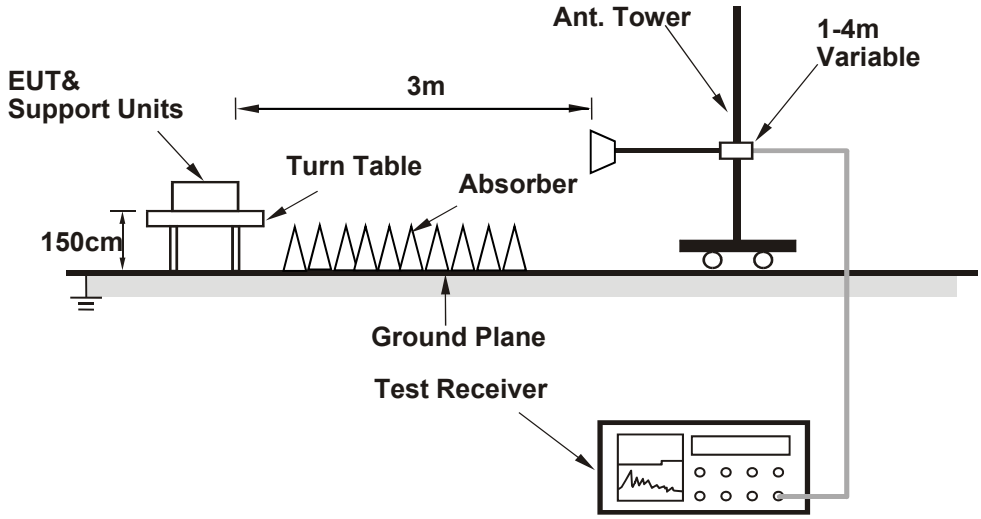
4.1.3 Test Setup

EIRP / ERP Measurement:

For radiated emission 30MHz to 1GHz

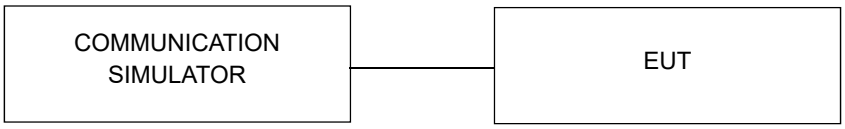


For radiated emission above 1GHz



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

Conducted Power Measurement:



4.1.4 Test Results

Conducted Output Power (dBm)

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		372000	376000	380000
		Frequency (MHz)		1860	1880	1900
20M	$\pi/2$ BPSK	1	1	23.17	22.78	23.35
20M	QPSK	1	1	23.32	22.89	23.38
		1	53	22.91	22.85	22.92
		1	104	22.53	22.53	22.62
		50	0	22.64	22.72	22.85
		50	28	23.02	22.87	23.15
		50	56	22.45	22.54	22.67
		100	0	22.50	22.63	22.65
20M	16QAM	1	1	22.67	22.70	22.77
20M	64QAM	1	1	21.17	21.20	21.27
20M	256QAM	1	1	19.17	19.20	19.27
BW	MCS Index	Channel		371500	376000	380500
		Frequency (MHz)		1857.5	1880	1902.5
15M	$\pi/2$ BPSK	1	1	23.14	22.75	23.31
15M	QPSK	1	1	23.31	22.76	23.37
		1	40	22.87	22.65	22.89
		1	77	22.46	22.52	22.55
		36	0	22.60	22.70	22.77
		36	22	22.98	23.12	23.02
		36	43	22.42	22.52	22.61
		75	0	22.44	22.54	22.65
15M	16QAM	1	1	22.61	22.70	22.76
15M	64QAM	1	1	20.87	20.74	20.86
15M	256QAM	1	1	18.69	19.08	19.21

NR Band 2						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		371000	376000	381000
		Frequency (MHz)		1855	1880	1905
10M	$\pi/2$ BPSK	1	1	23.14	22.61	23.25
10M	QPSK	1	1	23.28	22.68	23.31
		1	26	22.80	22.67	22.74
		1	50	22.37	22.38	22.51
		25	0	22.58	22.64	22.77
		25	14	22.95	22.98	22.79
		25	27	22.28	22.51	22.57
		50	0	22.44	22.49	22.63
10M	16QAM	1	1	22.56	22.68	22.61
10M	64QAM	1	1	20.96	21.06	20.96
10M	256QAM	1	1	18.85	18.87	19.02
BW	MCS Index	Channel		370500	376000	381500
		Frequency (MHz)		1852.5	1880	1907.5
5M	$\pi/2$ BPSK	1	1	23.01	22.63	23.21
5M	QPSK	1	1	23.17	22.77	23.25
		1	13	22.70	22.71	22.71
		1	23	22.41	22.34	22.45
		12	0	22.55	22.66	22.50
		12	7	22.89	22.99	22.86
		12	13	22.40	22.45	22.39
		25	0	22.26	22.47	22.59
5M	16QAM	1	1	22.54	22.57	22.70
5M	64QAM	1	1	20.95	21.04	20.85
5M	256QAM	1	1	18.94	18.85	18.89

EIRP / ERP Power

Internal Antenna

Modulation Type: $\pi/2$ BPSK

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	16.68	33.00	-16.32	3.84 H	211	82.50	-65.82
2	1880.00	17.21	33.00	-15.79	3.92 H	208	82.82	-65.61
3	1907.50	17.14	33.00	-15.86	3.86 H	212	82.53	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	23.66	33.00	-9.34	1.84 V	318	89.48	-65.82
2	1880.00	23.54	33.00	-9.46	1.76 V	323	89.15	-65.61
3	1907.50	23.49	33.00	-9.51	1.77 V	323	88.88	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.06	33.00	-15.94	3.82 H	208	82.86	-65.80
2	1880.00	17.60	33.00	-15.40	3.84 H	208	83.21	-65.61
3	1905.00	17.05	33.00	-15.95	3.87 H	213	82.46	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	24.00	33.00	-9.00	1.84 V	318	89.80	-65.80
2	1880.00	24.05	33.00	-8.95	1.76 V	320	89.66	-65.61
3	1905.00	23.48	33.00	-9.52	1.84 V	323	88.89	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.32	33.00	-15.68	3.82 H	212	83.11	-65.79
2	1880.00	17.20	33.00	-15.80	3.90 H	208	82.81	-65.61
3	1902.50	17.35	33.00	-15.65	3.89 H	208	82.78	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	23.92	33.00	-9.08	1.76 V	318	89.71	-65.79
2	1880.00	23.70	33.00	-9.30	1.84 V	323	89.31	-65.61
3	1902.50	23.50	33.00	-9.50	1.80 V	317	88.93	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.16	33.00	-15.84	3.92 H	207	82.92	-65.76
2	1880.00	17.03	33.00	-15.97	3.87 H	210	82.64	-65.61
3	1900.00	17.27	33.00	-15.73	3.90 H	208	82.72	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	23.58	33.00	-9.42	1.84 V	318	89.34	-65.76
2	1880.00	23.47	33.00	-9.53	1.78 V	317	89.08	-65.61
3	1900.00	23.37	33.00	-9.63	1.80 V	324	88.82	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Modulation Type: QPSK

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	17.18	33.00	-15.82	3.84 H	211	83.00	-65.82
2	1880.00	17.71	33.00	-15.29	3.92 H	208	83.32	-65.61
3	1907.50	17.74	33.00	-15.26	3.86 H	212	83.13	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	24.06	33.00	-8.94	1.84 V	318	89.88	-65.82
2	1880.00	24.04	33.00	-8.96	1.76 V	323	89.65	-65.61
3	1907.50	23.99	33.00	-9.01	1.77 V	323	89.38	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.36	33.00	-15.64	3.82 H	208	83.16	-65.80
2	1880.00	17.92	33.00	-15.08	3.84 H	208	83.53	-65.61
3	1905.00	17.26	33.00	-15.74	3.87 H	213	82.67	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	24.42	33.00	-8.58	1.84 V	318	90.22	-65.80
2	1880.00	24.45	33.00	-8.55	1.76 V	320	90.06	-65.61
3	1905.00	23.78	33.00	-9.22	1.84 V	323	89.19	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.82	33.00	-15.18	3.82 H	212	83.61	-65.79
2	1880.00	17.51	33.00	-15.49	3.90 H	208	83.12	-65.61
3	1902.50	17.95	33.00	-15.05	3.89 H	208	83.38	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	24.24	33.00	-8.76	1.76 V	318	90.03	-65.79
2	1880.00	23.90	33.00	-9.10	1.84 V	323	89.51	-65.61
3	1902.50	23.84	33.00	-9.16	1.80 V	317	89.27	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.36	33.00	-15.64	3.92 H	207	83.12	-65.76
2	1880.00	17.26	33.00	-15.74	3.87 H	210	82.87	-65.61
3	1900.00	17.47	33.00	-15.53	3.90 H	208	82.92	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	23.98	33.00	-9.02	1.84 V	318	89.74	-65.76
2	1880.00	23.72	33.00	-9.28	1.78 V	317	89.33	-65.61
3	1900.00	23.72	33.00	-9.28	1.80 V	324	89.17	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Modulation Type: 16QAM

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	16.50	33.00	-16.50	3.85 H	212	82.32	-65.82
2	1880.00	16.60	33.00	-16.40	3.82 H	211	82.21	-65.61
3	1907.50	16.90	33.00	-16.10	3.89 H	208	82.29	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	22.80	33.00	-10.20	1.79 V	320	88.62	-65.82
2	1880.00	22.80	33.00	-10.20	1.84 V	320	88.41	-65.61
3	1907.50	23.00	33.00	-10.00	1.79 V	318	88.39	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	16.20	33.00	-16.80	3.84 H	208	82.00	-65.80
2	1880.00	16.50	33.00	-16.50	3.88 H	208	82.11	-65.61
3	1905.00	16.50	33.00	-16.50	3.87 H	211	81.91	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	22.80	33.00	-10.20	1.83 V	324	88.60	-65.80
2	1880.00	22.80	33.00	-10.20	1.76 V	318	88.41	-65.61
3	1905.00	23.00	33.00	-10.00	1.80 V	322	88.41	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	16.78	33.00	-16.22	3.87 H	208	82.57	-65.79
2	1880.00	16.29	33.00	-16.71	3.92 H	207	81.90	-65.61
3	1902.50	16.19	33.00	-16.81	3.87 H	210	81.62	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	22.88	33.00	-10.12	1.85 V	321	88.67	-65.79
2	1880.00	22.95	33.00	-10.05	1.77 V	319	88.56	-65.61
3	1902.50	22.84	33.00	-10.16	1.83 V	317	88.27	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	16.61	33.00	-16.39	3.84 H	214	82.37	-65.76
2	1880.00	16.57	33.00	-16.43	3.86 H	213	82.18	-65.61
3	1900.00	16.37	33.00	-16.63	3.91 H	208	81.82	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	23.26	33.00	-9.74	1.85 V	319	89.02	-65.76
2	1880.00	23.49	33.00	-9.51	1.84 V	324	89.10	-65.61
3	1900.00	22.76	33.00	-10.24	1.84 V	324	88.21	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Modulation Type: 64QAM

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	15.87	33.00	-17.13	3.84 H	212	81.69	-65.82
2	1880.00	16.04	33.00	-16.96	3.87 H	214	81.65	-65.61
3	1907.50	16.43	33.00	-16.57	3.89 H	213	81.82	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	22.22	33.00	-10.78	1.80 V	324	88.04	-65.82
2	1880.00	22.43	33.00	-10.57	1.76 V	318	88.04	-65.61
3	1907.50	22.37	33.00	-10.63	1.84 V	317	87.76	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	15.57	33.00	-17.43	3.90 H	213	81.37	-65.80
2	1880.00	16.06	33.00	-16.94	3.89 H	207	81.67	-65.61
3	1905.00	16.10	33.00	-16.90	3.91 H	212	81.51	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	22.42	33.00	-10.58	1.78 V	319	88.22	-65.80
2	1880.00	22.30	33.00	-10.70	1.79 V	317	87.91	-65.61
3	1905.00	22.37	33.00	-10.63	1.76 V	323	87.78	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	16.18	33.00	-16.82	3.86 H	208	81.97	-65.79
2	1880.00	15.79	33.00	-17.21	3.82 H	207	81.40	-65.61
3	1902.50	15.59	33.00	-17.41	3.88 H	207	81.02	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	22.28	33.00	-10.72	1.78 V	321	88.07	-65.79
2	1880.00	22.35	33.00	-10.65	1.84 V	317	87.96	-65.61
3	1902.50	22.44	33.00	-10.56	1.83 V	320	87.87	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	16.11	33.00	-16.89	3.87 H	212	81.87	-65.76
2	1880.00	16.07	33.00	-16.93	3.86 H	214	81.68	-65.61
3	1900.00	15.77	33.00	-17.23	3.91 H	212	81.22	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	22.66	33.00	-10.34	1.82 V	322	88.42	-65.76
2	1880.00	22.89	33.00	-10.11	1.79 V	318	88.50	-65.61
3	1900.00	22.16	33.00	-10.84	1.78 V	322	87.61	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Modulation Type: 256QAM

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	14.47	33.00	-18.53	3.88 H	212	80.29	-65.82
2	1880.00	14.64	33.00	-18.36	3.82 H	207	80.25	-65.61
3	1907.50	15.03	33.00	-17.97	3.86 H	212	80.42	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	20.62	33.00	-12.38	1.76 V	317	86.44	-65.82
2	1880.00	21.03	33.00	-11.97	1.79 V	320	86.64	-65.61
3	1907.50	20.97	33.00	-12.03	1.78 V	322	86.36	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	14.17	33.00	-18.83	3.88 H	211	79.97	-65.80
2	1880.00	14.66	33.00	-18.34	3.86 H	208	80.27	-65.61
3	1905.00	14.60	33.00	-18.40	3.90 H	214	80.01	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	21.02	33.00	-11.98	1.77 V	322	86.82	-65.80
2	1880.00	20.80	33.00	-12.20	1.79 V	320	86.41	-65.61
3	1905.00	20.87	33.00	-12.13	1.76 V	317	86.28	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	14.78	33.00	-18.22	3.82 H	209	80.57	-65.79
2	1880.00	14.29	33.00	-18.71	3.92 H	208	79.90	-65.61
3	1902.50	14.09	33.00	-18.91	3.83 H	212	79.52	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	20.68	33.00	-12.32	1.81 V	317	86.47	-65.79
2	1880.00	20.75	33.00	-12.25	1.78 V	320	86.36	-65.61
3	1902.50	21.04	33.00	-11.96	1.78 V	319	86.47	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	14.71	33.00	-18.29	3.85 H	209	80.47	-65.76
2	1880.00	14.57	33.00	-18.43	3.91 H	207	80.18	-65.61
3	1900.00	14.37	33.00	-18.63	3.84 H	208	79.82	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	21.26	33.00	-11.74	1.77 V	322	87.02	-65.76
2	1880.00	21.29	33.00	-11.71	1.79 V	318	86.90	-65.61
3	1900.00	20.66	33.00	-12.34	1.79 V	323	86.11	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 5

Modulation Type: QPSK

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	824.70	19.33	38.45	-19.12	1.14 H	7	92.91	-73.58
2	836.50	19.21	38.45	-19.24	1.14 H	11	92.66	-73.45
3	848.30	19.06	38.45	-19.39	1.10 H	7	92.49	-73.43
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	824.70	10.26	38.45	-28.19	1.15 V	20	83.84	-73.58
2	836.50	10.14	38.45	-28.31	1.25 V	21	83.59	-73.45
3	848.30	10.41	38.45	-28.04	1.20 V	24	83.84	-73.43

LTE Band 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	825.50	19.45	38.45	-19.00	1.08 H	10	93.03	-73.58
2	836.50	19.27	38.45	-19.18	1.12 H	7	92.72	-73.45
3	847.50	19.19	38.45	-19.26	1.07 H	6	92.62	-73.43
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	825.50	10.23	38.45	-28.22	1.21 V	23	83.81	-73.58
2	836.50	10.15	38.45	-28.30	1.19 V	23	83.60	-73.45
3	847.50	10.18	38.45	-28.27	1.23 V	17	83.61	-73.43

Remarks:

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

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	19.22	38.45	-19.23	1.11 H	10	92.79	-73.57
2	836.50	19.11	38.45	-19.34	1.11 H	14	92.56	-73.45
3	846.50	19.44	38.45	-19.01	1.13 H	7	92.86	-73.42
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	10.11	38.45	-28.34	1.24 V	24	83.68	-73.57
2	836.50	10.03	38.45	-28.42	1.19 V	22	83.48	-73.45
3	846.50	10.08	38.45	-28.37	1.21 V	17	83.50	-73.42

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	829.00	19.31	38.45	-19.14	1.13 H	11	92.87	-73.56
2	836.50	19.14	38.45	-19.31	1.05 H	9	92.59	-73.45
3	844.00	19.48	38.45	-18.97	1.07 H	5	92.88	-73.40
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	824.70	10.26	38.45	-28.19	1.15 V	20	83.84	-73.58
2	836.50	10.14	38.45	-28.31	1.25 V	21	83.59	-73.45
3	848.30	10.41	38.45	-28.04	1.20 V	24	83.84	-73.43

Remarks:

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

Modulation Type: 16QAM

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	824.70	18.33	38.45	-20.12	1.08 H	12	91.91	-73.58
2	836.50	18.21	38.45	-20.24	1.12 H	14	91.66	-73.45
3	848.30	17.86	38.45	-20.59	1.08 H	8	91.29	-73.43
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	824.70	9.06	38.45	-29.39	1.17 V	19	82.64	-73.58
2	836.50	9.24	38.45	-29.21	1.19 V	22	82.69	-73.45
3	848.30	9.61	38.45	-28.84	1.17 V	18	83.04	-73.43

LTE Band 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	825.50	18.65	38.45	-19.80	1.05 H	10	92.23	-73.58
2	836.50	18.07	38.45	-20.38	1.08 H	12	91.52	-73.45
3	847.50	17.99	38.45	-20.46	1.12 H	14	91.42	-73.43
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	825.50	9.23	38.45	-29.22	1.24 V	23	82.81	-73.58
2	836.50	8.85	38.45	-29.60	1.21 V	17	82.30	-73.45
3	847.50	9.38	38.45	-29.07	1.17 V	20	82.81	-73.43

Remarks:

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

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	18.32	38.45	-20.13	1.14 H	8	91.89	-73.57
2	836.50	18.31	38.45	-20.14	1.10 H	8	91.76	-73.45
3	846.50	18.54	38.45	-19.91	1.07 H	13	91.96	-73.42
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	9.21	38.45	-29.24	1.18 V	24	82.78	-73.57
2	836.50	9.03	38.45	-29.42	1.21 V	22	82.48	-73.45
3	846.50	9.18	38.45	-29.27	1.23 V	21	82.60	-73.42

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	829.00	18.21	38.45	-20.24	1.12 H	11	91.77	-73.56
2	836.50	18.12	38.45	-20.33	1.12 H	14	91.57	-73.45
3	844.00	18.58	38.45	-19.87	1.15 H	8	91.98	-73.40
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	829.00	8.94	38.45	-29.51	1.19 V	23	82.50	-73.56
2	836.50	9.45	38.45	-29.00	1.17 V	17	82.90	-73.45
3	844.00	9.57	38.45	-28.88	1.19 V	22	82.97	-73.40

Remarks:

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

Modulation Type: 64QAM

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	824.70	17.87	38.45	-20.58	1.12 H	10	91.45	-73.58
2	836.50	17.49	38.45	-20.96	1.14 H	11	90.94	-73.45
3	848.30	17.47	38.45	-20.98	1.10 H	12	90.90	-73.43
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	824.70	8.82	38.45	-29.63	1.17 V	24	82.40	-73.58
2	836.50	8.49	38.45	-29.96	1.17 V	24	81.94	-73.45
3	848.30	8.55	38.45	-29.90	1.23 V	17	81.98	-73.43

LTE Band 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	825.50	17.77	38.45	-20.68	1.12 H	10	91.35	-73.58
2	836.50	17.88	38.45	-20.57	1.15 H	9	91.33	-73.45
3	847.50	17.42	38.45	-21.03	1.06 H	7	90.85	-73.43
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	825.50	8.27	38.45	-30.18	1.25 V	17	81.85	-73.58
2	836.50	8.75	38.45	-29.70	1.17 V	23	82.20	-73.45
3	847.50	8.69	38.45	-29.76	1.15 V	23	82.12	-73.43

Remarks:

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

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	17.77	38.45	-20.68	1.09 H	13	91.34	-73.57
2	836.50	18.02	38.45	-20.43	1.13 H	9	91.47	-73.45
3	846.50	17.78	38.45	-20.67	1.06 H	10	91.20	-73.42
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	8.49	38.45	-29.96	1.21 V	23	82.06	-73.57
2	836.50	8.69	38.45	-29.76	1.19 V	17	82.14	-73.45
3	846.50	8.55	38.45	-29.90	1.25 V	22	81.97	-73.42

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	829.00	17.78	38.45	-20.67	1.08 H	7	91.34	-73.56
2	836.50	17.55	38.45	-20.90	1.09 H	14	91.00	-73.45
3	844.00	17.74	38.45	-20.71	1.12 H	12	91.14	-73.40
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	829.00	8.72	38.45	-29.73	1.18 V	17	82.28	-73.56
2	836.50	8.88	38.45	-29.57	1.17 V	24	82.33	-73.45
3	844.00	9.14	38.45	-29.31	1.24 V	18	82.54	-73.40

Remarks:

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

Modulation Type: 256QAM

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	824.70	16.27	38.45	-22.18	1.06 H	12	89.85	-73.58
2	836.50	16.09	38.45	-22.36	1.12 H	13	89.54	-73.45
3	848.30	15.98	38.45	-22.47	1.15 H	8	89.41	-73.43
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	824.70	7.22	38.45	-31.23	1.23 V	24	80.80	-73.58
2	836.50	6.99	38.45	-31.46	1.15 V	21	80.44	-73.45
3	848.30	7.05	38.45	-31.40	1.18 V	18	80.48	-73.43

LTE Band 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	825.50	16.32	38.45	-22.13	1.12 H	11	89.90	-73.58
2	836.50	16.48	38.45	-21.97	1.12 H	13	89.93	-73.45
3	847.50	15.92	38.45	-22.53	1.10 H	7	89.35	-73.43
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	825.50	6.77	38.45	-31.68	1.19 V	21	80.35	-73.58
2	836.50	7.35	38.45	-31.10	1.24 V	21	80.80	-73.45
3	847.50	7.19	38.45	-31.26	1.20 V	19	80.62	-73.43

Remarks:

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

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	16.42	38.45	-22.03	1.13 H	7	89.99	-73.57
2	836.50	16.62	38.45	-21.83	1.07 H	11	90.07	-73.45
3	846.50	16.28	38.45	-22.17	1.15 H	11	89.70	-73.42
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	6.99	38.45	-31.46	1.23 V	23	80.56	-73.57
2	836.50	7.19	38.45	-31.26	1.15 V	22	80.64	-73.45
3	846.50	7.15	38.45	-31.30	1.16 V	21	80.57	-73.42

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	829.00	16.21	38.45	-22.24	1.05 H	12	89.77	-73.56
2	836.50	16.15	38.45	-22.30	1.06 H	14	89.60	-73.45
3	844.00	16.23	38.45	-22.22	1.14 H	14	89.63	-73.40
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	829.00	7.24	38.45	-31.21	1.19 V	24	80.80	-73.56
2	836.50	7.28	38.45	-31.17	1.25 V	18	80.73	-73.45
3	844.00	7.74	38.45	-30.71	1.21 V	23	81.14	-73.40

Remarks:

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

LTE Band 12

Modulation Type: QPSK

LTE Band 12, Channel Bandwidth 1.4MHz

MODE	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	23.82	34.77	-10.95	1.15 H	206	91.43	-67.61
2	707.50	23.75	34.77	-11.02	1.23 H	202	91.28	-67.53
3	715.30	23.81	34.77	-10.96	1.20 H	208	91.16	-67.35
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	15.34	34.77	-19.43	1.29 V	341	82.95	-67.61
2	707.50	15.48	34.77	-19.29	1.27 V	343	83.01	-67.53
3	715.30	15.40	34.77	-19.37	1.31 V	341	82.75	-67.35

LTE Band 12, Channel Bandwidth 3MHz

MODE	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	23.81	34.77	-10.96	1.21 H	203	91.42	-67.61
2	707.50	23.77	34.77	-11.00	1.16 H	205	91.30	-67.53
3	714.50	23.80	34.77	-10.97	1.16 H	203	91.17	-67.37
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	15.59	34.77	-19.18	1.31 V	341	83.20	-67.61
2	707.50	15.32	34.77	-19.45	1.32 V	345	82.85	-67.53
3	714.50	15.67	34.77	-19.10	1.33 V	345	83.04	-67.37

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

MODE	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	23.80	34.77	-10.97	1.19 H	202	91.40	-67.60
2	707.50	23.77	34.77	-11.00	1.18 H	206	91.30	-67.53
3	713.50	23.74	34.77	-11.03	1.21 H	209	91.13	-67.39
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	15.53	34.77	-19.24	1.31 V	338	83.13	-67.60
2	707.50	15.62	34.77	-19.15	1.26 V	342	83.15	-67.53
3	713.50	15.52	34.77	-19.25	1.34 V	339	82.91	-67.39

LTE Band 12, Channel Bandwidth 10MHz

MODE	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	23.81	34.77	-10.96	1.16 H	208	91.39	-67.58
2	707.50	23.78	34.77	-10.99	1.15 H	208	91.31	-67.53
3	711.00	23.67	34.77	-11.10	1.18 H	209	91.12	-67.45
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	15.33	34.77	-19.44	1.28 V	341	82.91	-67.58
2	707.50	15.52	34.77	-19.25	1.29 V	340	83.05	-67.53
3	711.00	15.30	34.77	-19.47	1.24 V	343	82.75	-67.45

Remarks:

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

Modulation Type: 16QAM

LTE Band 12, Channel Bandwidth 1.4MHz

MODE	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	22.83	34.77	-11.94	1.14 H	208	90.44	-67.61
2	707.50	22.75	34.77	-12.02	1.16 H	204	90.28	-67.53
3	715.30	22.81	34.77	-11.96	1.20 H	202	90.16	-67.35
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	14.33	34.77	-20.44	1.28 V	341	81.94	-67.61
2	707.50	14.50	34.77	-20.27	1.34 V	344	82.03	-67.53
3	715.30	14.46	34.77	-20.31	1.24 V	343	81.81	-67.35

LTE Band 12, Channel Bandwidth 3MHz

MODE	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	22.84	34.77	-11.93	1.15 H	206	90.45	-67.61
2	707.50	22.96	34.77	-11.81	1.22 H	203	90.49	-67.53
3	714.50	23.02	34.77	-11.75	1.16 H	208	90.39	-67.37
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	14.58	34.77	-20.19	1.28 V	338	82.19	-67.61
2	707.50	14.34	34.77	-20.43	1.31 V	339	81.87	-67.53
3	714.50	14.69	34.77	-20.08	1.27 V	345	82.06	-67.37

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

MODE	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	22.82	34.77	-11.95	1.17 H	208	90.42	-67.60
2	707.50	22.73	34.77	-12.04	1.22 H	211	90.26	-67.53
3	713.50	22.76	34.77	-12.01	1.19 H	211	90.15	-67.39
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	14.52	34.77	-20.25	1.29 V	338	82.12	-67.60
2	707.50	14.61	34.77	-20.16	1.30 V	344	82.14	-67.53
3	713.50	14.53	34.77	-20.24	1.31 V	341	81.92	-67.39

LTE Band 12, Channel Bandwidth 10MHz

MODE	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	22.81	34.77	-11.96	1.14 H	202	90.39	-67.58
2	707.50	22.76	34.77	-12.01	1.16 H	207	90.29	-67.53
3	711.00	22.69	34.77	-12.08	1.21 H	205	90.14	-67.45
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	14.31	34.77	-20.46	1.25 V	345	81.89	-67.58
2	707.50	14.53	34.77	-20.24	1.24 V	338	82.06	-67.53
3	711.00	14.28	34.77	-20.49	1.31 V	343	81.73	-67.45

Remarks:

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

Modulation Type: 64QAM

LTE Band 12, Channel Bandwidth 1.4MHz

MODE	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	21.82	34.77	-12.95	1.16 H	204	89.43	-67.61
2	707.50	21.75	34.77	-13.02	1.21 H	205	89.28	-67.53
3	715.30	21.83	34.77	-12.94	1.19 H	202	89.18	-67.35
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	13.35	34.77	-21.42	1.27 V	338	80.96	-67.61
2	707.50	13.49	34.77	-21.28	1.31 V	345	81.02	-67.53
3	715.30	13.48	34.77	-21.29	1.32 V	342	80.83	-67.35

LTE Band 12, Channel Bandwidth 3MHz

MODE	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	21.84	34.77	-12.93	1.16 H	203	89.45	-67.61
2	707.50	21.98	34.77	-12.79	1.14 H	202	89.51	-67.53
3	714.50	22.00	34.77	-12.77	1.13 H	207	89.37	-67.37
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	13.58	34.77	-21.19	1.27 V	345	81.19	-67.61
2	707.50	13.35	34.77	-21.42	1.29 V	339	80.88	-67.53
3	714.50	13.67	34.77	-21.10	1.33 V	339	81.04	-67.37

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

MODE	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	21.83	34.77	-12.94	1.14 H	207	89.43	-67.60
2	707.50	21.75	34.77	-13.02	1.19 H	207	89.28	-67.53
3	713.50	21.76	34.77	-13.01	1.23 H	202	89.15	-67.39
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	13.50	34.77	-21.27	1.31 V	343	81.10	-67.60
2	707.50	13.59	34.77	-21.18	1.29 V	339	81.12	-67.53
3	713.50	13.52	34.77	-21.25	1.28 V	343	80.91	-67.39

LTE Band 12, Channel Bandwidth 10MHz

MODE	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	21.81	34.77	-12.96	1.15 H	204	89.39	-67.58
2	707.50	21.77	34.77	-13.00	1.17 H	209	89.30	-67.53
3	711.00	21.67	34.77	-13.10	1.19 H	203	89.12	-67.45
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	13.30	34.77	-21.47	1.32 V	340	80.88	-67.58
2	707.50	13.53	34.77	-21.24	1.33 V	340	81.06	-67.53
3	711.00	13.29	34.77	-21.48	1.27 V	342	80.74	-67.45

Remarks:

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

Modulation Type: 256QAM

LTE Band 12, Channel Bandwidth 1.4MHz

MODE	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	20.84	34.77	-13.93	1.18 H	207	88.45	-67.61
2	707.50	20.76	34.77	-14.01	1.22 H	203	88.29	-67.53
3	715.30	20.83	34.77	-13.94	1.21 H	203	88.18	-67.35
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	12.36	34.77	-22.41	1.27 V	344	79.97	-67.61
2	707.50	12.47	34.77	-22.30	1.33 V	342	80.00	-67.53
3	715.30	12.47	34.77	-22.30	1.25 V	338	79.82	-67.35

LTE Band 12, Channel Bandwidth 3MHz

MODE	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	20.83	34.77	-13.94	1.19 H	207	88.44	-67.61
2	707.50	20.97	34.77	-13.80	1.20 H	202	88.50	-67.53
3	714.50	20.99	34.77	-13.78	1.23 H	208	88.36	-67.37
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	12.57	34.77	-22.20	1.27 V	345	80.18	-67.61
2	707.50	12.36	34.77	-22.41	1.25 V	338	79.89	-67.53
3	714.50	12.69	34.77	-22.08	1.31 V	342	80.06	-67.37

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

MODE	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	20.81	34.77	-13.96	1.15 H	209	88.41	-67.60
2	707.50	20.74	34.77	-14.03	1.19 H	206	88.27	-67.53
3	713.50	20.76	34.77	-14.01	1.14 H	206	88.15	-67.39
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	12.48	34.77	-22.29	1.29 V	340	80.08	-67.60
2	707.50	12.60	34.77	-22.17	1.30 V	339	80.13	-67.53
3	713.50	12.50	34.77	-22.27	1.26 V	342	79.89	-67.39

LTE Band 12, Channel Bandwidth 10MHz

MODE	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	20.80	34.77	-13.97	1.13 H	202	88.38	-67.58
2	707.50	20.76	34.77	-14.01	1.17 H	206	88.29	-67.53
3	711.00	20.69	34.77	-14.08	1.16 H	202	88.14	-67.45
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	12.29	34.77	-22.48	1.32 V	339	79.87	-67.58
2	707.50	12.53	34.77	-22.24	1.27 V	341	80.06	-67.53
3	711.00	12.30	34.77	-22.47	1.31 V	343	79.75	-67.45

Remarks:

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

LTE Band 66

Modulation Type: QPSK

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	19.40	30.00	-10.60	1.48 H	50	86.13	-66.73
2	1745.00	19.57	30.00	-10.43	1.41 H	54	86.22	-66.65
3	1779.30	19.63	30.00	-10.37	1.41 H	54	86.18	-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	20.43	30.00	-9.57	1.58 V	267	87.16	-66.73
2	1745.00	20.43	30.00	-9.57	1.57 V	267	87.08	-66.65
3	1779.30	20.92	30.00	-9.08	1.58 V	266	87.47	-66.55

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	19.09	30.00	-10.91	1.49 H	49	85.81	-66.72
2	1745.00	19.30	30.00	-10.70	1.43 H	50	85.95	-66.65
3	1778.50	19.30	30.00	-10.70	1.47 H	53	85.85	-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	1711.50	20.61	30.00	-9.39	1.54 V	266	87.33	-66.72
2	1745.00	20.58	30.00	-9.42	1.61 V	271	87.23	-66.65
3	1778.50	20.88	30.00	-9.12	1.56 V	270	87.43	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	19.30	30.00	-10.70	1.48 H	52	86.02	-66.72
2	1745.00	19.14	30.00	-10.86	1.40 H	48	85.79	-66.65
3	1777.50	19.36	30.00	-10.64	1.45 H	50	85.91	-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	20.69	30.00	-9.31	1.59 V	270	87.41	-66.72
2	1745.00	20.49	30.00	-9.51	1.53 V	267	87.14	-66.65
3	1777.50	20.94	30.00	-9.06	1.61 V	269	87.49	-66.55

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	19.65	30.00	-10.35	1.42 H	50	86.37	-66.72
2	1745.00	19.11	30.00	-10.89	1.43 H	54	85.76	-66.65
3	1775.00	19.29	30.00	-10.71	1.40 H	47	85.85	-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	20.68	30.00	-9.32	1.56 V	273	87.40	-66.72
2	1745.00	20.45	30.00	-9.55	1.56 V	269	87.10	-66.65
3	1775.00	20.93	30.00	-9.07	1.59 V	270	87.49	-66.56

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.26	30.00	-10.74	1.50 H	52	85.97	-66.71
2	1745.00	19.21	30.00	-10.79	1.45 H	52	85.86	-66.65
3	1772.50	19.40	30.00	-10.60	1.42 H	49	85.97	-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	20.74	30.00	-9.26	1.58 V	266	87.45	-66.71
2	1745.00	20.57	30.00	-9.43	1.61 V	271	87.22	-66.65
3	1772.50	20.91	30.00	-9.09	1.56 V	267	87.48	-66.57

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.24	30.00	-10.76	1.41 H	49	85.94	-66.70
2	1745.00	19.57	30.00	-10.43	1.42 H	54	86.22	-66.65
3	1770.00	19.39	30.00	-10.61	1.44 H	50	85.97	-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	20.88	30.00	-9.12	1.61 V	268	87.58	-66.70
2	1745.00	20.66	30.00	-9.34	1.56 V	272	87.31	-66.65
3	1770.00	20.81	30.00	-9.19	1.62 V	269	87.39	-66.58

Remarks:

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

Modulation Type: 16QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.39	30.00	-11.61	1.49 H	52	85.12	-66.73
2	1745.00	18.56	30.00	-11.44	1.42 H	51	85.21	-66.65
3	1779.30	18.62	30.00	-11.38	1.45 H	49	85.17	-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	19.43	30.00	-10.57	1.61 V	267	86.16	-66.73
2	1745.00	19.44	30.00	-10.56	1.59 V	271	86.09	-66.65
3	1779.30	19.91	30.00	-10.09	1.56 V	271	86.46	-66.55

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.08	30.00	-11.92	1.49 H	48	84.80	-66.72
2	1745.00	18.30	30.00	-11.70	1.47 H	53	84.95	-66.65
3	1778.50	18.29	30.00	-11.71	1.50 H	51	84.84	-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	19.60	30.00	-10.40	1.61 V	266	86.32	-66.72
2	1745.00	19.57	30.00	-10.43	1.62 V	267	86.22	-66.65
3	1778.50	19.87	30.00	-10.13	1.58 V	271	86.42	-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	18.32	30.00	-11.68	1.49 H	52	85.04	-66.72
2	1745.00	18.16	30.00	-11.84	1.47 H	49	84.81	-66.65
3	1777.50	18.37	30.00	-11.63	1.46 H	54	84.92	-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	19.71	30.00	-10.29	1.52 V	279	86.43	-66.72
2	1745.00	19.49	30.00	-10.51	1.58 V	270	86.14	-66.65
3	1777.50	19.96	30.00	-10.04	1.56 V	272	86.51	-66.55

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.63	30.00	-11.37	1.40 H	48	85.35	-66.72
2	1745.00	18.11	30.00	-11.89	1.47 H	50	84.76	-66.65
3	1775.00	18.29	30.00	-11.71	1.42 H	53	84.85	-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	19.66	30.00	-10.34	1.53 V	266	86.38	-66.72
2	1745.00	19.47	30.00	-10.53	1.59 V	266	86.12	-66.65
3	1775.00	19.97	30.00	-10.03	1.55 V	271	86.53	-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	18.28	30.00	-11.72	1.41 H	53	84.99	-66.71
2	1745.00	18.19	30.00	-11.81	1.46 H	50	84.84	-66.65
3	1772.50	18.42	30.00	-11.58	1.47 H	48	84.99	-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	19.73	30.00	-10.27	1.54 V	271	86.44	-66.71
2	1745.00	19.56	30.00	-10.44	1.53 V	268	86.21	-66.65
3	1772.50	19.92	30.00	-10.08	1.53 V	269	86.49	-66.57

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.26	30.00	-11.74	1.45 H	52	84.96	-66.70
2	1745.00	18.57	30.00	-11.43	1.50 H	51	85.22	-66.65
3	1770.00	18.37	30.00	-11.63	1.49 H	47	84.95	-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	19.90	30.00	-10.10	1.57 V	267	86.60	-66.70
2	1745.00	19.68	30.00	-10.32	1.58 V	273	86.33	-66.65
3	1770.00	19.80	30.00	-10.20	1.53 V	269	86.38	-66.58

Remarks:

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

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.41	30.00	-12.59	1.41 H	54	84.14	-66.73
2	1745.00	17.56	30.00	-12.44	1.44 H	51	84.21	-66.65
3	1779.30	17.64	30.00	-12.36	1.41 H	52	84.19	-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	18.42	30.00	-11.58	1.54 V	268	85.15	-66.73
2	1745.00	18.43	30.00	-11.57	1.53 V	270	85.08	-66.65
3	1779.30	18.92	30.00	-11.08	1.60 V	273	85.47	-66.55

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.09	30.00	-12.91	1.46 H	48	83.81	-66.72
2	1745.00	17.29	30.00	-12.71	1.41 H	49	83.94	-66.65
3	1778.50	17.31	30.00	-12.69	1.49 H	47	83.86	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.62	30.00	-11.38	1.59 V	271	85.34	-66.72
2	1745.00	18.59	30.00	-11.41	1.56 V	267	85.24	-66.65
3	1778.50	18.86	30.00	-11.14	1.58 V	268	85.41	-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	1.48 H	52	84.02	-66.72
2	1745.00	17.15	30.00	-12.85	1.40 H	54	83.80	-66.65
3	1777.50	17.36	30.00	-12.64	1.50 H	49	83.91	-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	18.72	30.00	-11.28	1.59 V	266	85.44	-66.72
2	1745.00	18.51	30.00	-11.49	1.59 V	268	85.16	-66.65
3	1777.50	18.97	30.00	-11.03	1.52 V	267	85.52	-66.55

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.61	30.00	-12.39	1.44 H	51	84.33	-66.72
2	1745.00	17.10	30.00	-12.90	1.43 H	54	83.75	-66.65
3	1775.00	17.27	30.00	-12.73	1.44 H	51	83.83	-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	18.65	30.00	-11.35	1.59 V	272	85.37	-66.72
2	1745.00	18.49	30.00	-11.51	1.56 V	270	85.14	-66.65
3	1775.00	18.98	30.00	-11.02	1.57 V	269	85.54	-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	17.28	30.00	-12.72	1.40 H	48	83.99	-66.71
2	1745.00	17.20	30.00	-12.80	1.40 H	49	83.85	-66.65
3	1772.50	17.44	30.00	-12.56	1.40 H	50	84.01	-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	18.73	30.00	-11.27	1.60 V	270	85.44	-66.71
2	1745.00	18.54	30.00	-11.46	1.57 V	270	85.19	-66.65
3	1772.50	18.91	30.00	-11.09	1.60 V	268	85.48	-66.57

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.27	30.00	-12.73	1.40 H	48	83.97	-66.70
2	1745.00	17.59	30.00	-12.41	1.47 H	50	84.24	-66.65
3	1770.00	17.38	30.00	-12.62	1.48 H	48	83.96	-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	18.91	30.00	-11.09	1.61 V	272	85.61	-66.70
2	1745.00	18.66	30.00	-11.34	1.53 V	271	85.31	-66.65
3	1770.00	18.80	30.00	-11.20	1.55 V	273	85.38	-66.58

Remarks:

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

Modulation Type: 256QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.40	30.00	-13.60	1.41 H	49	83.13	-66.73
2	1745.00	16.54	30.00	-13.46	1.46 H	50	83.19	-66.65
3	1779.30	16.63	30.00	-13.37	1.45 H	53	83.18	-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	17.44	30.00	-12.56	1.56 V	273	84.17	-66.73
2	1745.00	17.45	30.00	-12.55	1.62 V	271	84.10	-66.65
3	1779.30	17.94	30.00	-12.06	1.52 V	270	84.49	-66.55

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	16.07	30.00	-13.93	1.44 H	51	82.79	-66.72
2	1745.00	16.30	30.00	-13.70	1.44 H	47	82.95	-66.65
3	1778.50	16.32	30.00	-13.68	1.43 H	54	82.87	-66.55
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.63	30.00	-12.37	1.62 V	272	84.35	-66.72
2	1745.00	17.57	30.00	-12.43	1.57 V	268	84.22	-66.65
3	1778.50	17.85	30.00	-12.15	1.52 V	268	84.40	-66.55

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.29	30.00	-13.71	1.41 H	51	83.01	-66.72
2	1745.00	16.17	30.00	-13.83	1.47 H	47	82.82	-66.65
3	1777.50	16.34	30.00	-13.66	1.41 H	48	82.89	-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	17.74	30.00	-12.26	1.60 V	270	84.46	-66.72
2	1745.00	17.52	30.00	-12.48	1.57 V	266	84.17	-66.65
3	1777.50	17.98	30.00	-12.02	1.58 V	270	84.53	-66.55

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.63	30.00	-13.37	1.50 H	54	83.35	-66.72
2	1745.00	16.09	30.00	-13.91	1.43 H	50	82.74	-66.65
3	1775.00	16.28	30.00	-13.72	1.46 H	50	82.84	-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	17.64	30.00	-12.36	1.53 V	270	84.36	-66.72
2	1745.00	17.51	30.00	-12.49	1.52 V	272	84.16	-66.65
3	1775.00	18.00	30.00	-12.00	1.55 V	268	84.56	-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	16.27	30.00	-13.73	1.42 H	51	82.98	-66.71
2	1745.00	16.21	30.00	-13.79	1.45 H	51	82.86	-66.65
3	1772.50	16.42	30.00	-13.58	1.44 H	53	82.99	-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	17.72	30.00	-12.28	1.56 V	269	84.43	-66.71
2	1745.00	17.52	30.00	-12.48	1.56 V	269	84.17	-66.65
3	1772.50	17.89	30.00	-12.11	1.53 V	271	84.46	-66.57

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.25	30.00	-13.75	1.44 H	55	82.95	-66.70
2	1745.00	16.60	30.00	-13.40	1.40 H	47	83.25	-66.65
3	1770.00	16.37	30.00	-13.63	1.49 H	43	82.95	-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	17.92	30.00	-12.08	1.58 V	271	84.62	-66.70
2	1745.00	17.66	30.00	-12.34	1.54 V	269	84.31	-66.65
3	1770.00	17.78	30.00	-12.22	1.53 V	266	84.36	-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

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	17.43	33.00	-15.57	3.54 H	130	83.25	-65.82
2	1880.00	17.68	33.00	-15.32	3.56 H	133	83.29	-65.61
3	1907.50	17.21	33.00	-15.79	3.56 H	134	82.60	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	23.03	33.00	-9.97	1.31 V	223	88.85	-65.82
2	1880.00	23.09	33.00	-9.91	1.27 V	225	88.70	-65.61
3	1907.50	22.92	33.00	-10.08	1.32 V	220	88.31	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.21	33.00	-15.79	3.58 H	133	83.01	-65.80
2	1880.00	17.44	33.00	-15.56	3.49 H	131	83.05	-65.61
3	1905.00	17.31	33.00	-15.69	3.56 H	131	82.72	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	23.08	33.00	-9.92	1.30 V	224	88.88	-65.80
2	1880.00	23.20	33.00	-9.80	1.27 V	224	88.81	-65.61
3	1905.00	23.25	33.00	-9.75	1.30 V	219	88.66	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.80	33.00	-15.20	3.55 H	131	83.59	-65.79
2	1880.00	17.82	33.00	-15.18	3.58 H	132	83.43	-65.61
3	1902.50	17.55	33.00	-15.45	3.57 H	132	82.98	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	23.00	33.00	-10.00	1.26 V	218	88.79	-65.79
2	1880.00	22.72	33.00	-10.28	1.31 V	224	88.33	-65.61
3	1902.50	23.07	33.00	-9.93	1.32 V	218	88.50	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.64	33.00	-15.36	3.55 H	135	83.40	-65.76
2	1880.00	17.25	33.00	-15.75	3.49 H	129	82.86	-65.61
3	1900.00	17.81	33.00	-15.19	3.58 H	134	83.26	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	23.18	33.00	-9.82	1.27 V	218	88.94	-65.76
2	1880.00	23.17	33.00	-9.83	1.35 V	223	88.78	-65.61
3	1900.00	22.68	33.00	-10.32	1.35 V	218	88.13	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Modulation Type: QPSK

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	17.93	33.00	-15.07	3.54 H	130	83.75	-65.82
2	1880.00	18.18	33.00	-14.82	3.56 H	133	83.79	-65.61
3	1907.50	17.81	33.00	-15.19	3.56 H	134	83.20	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	23.43	33.00	-9.57	1.31 V	223	89.25	-65.82
2	1880.00	23.39	33.00	-9.61	1.27 V	225	89.00	-65.61
3	1907.50	23.24	33.00	-9.76	1.32 V	220	88.63	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.51	33.00	-15.49	3.58 H	133	83.31	-65.80
2	1880.00	17.84	33.00	-15.16	3.49 H	131	83.45	-65.61
3	1905.00	17.91	33.00	-15.09	3.56 H	131	83.32	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	23.38	33.00	-9.62	1.30 V	224	89.18	-65.80
2	1880.00	23.50	33.00	-9.50	1.27 V	224	89.11	-65.61
3	1905.00	23.65	33.00	-9.35	1.30 V	219	89.06	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	18.23	33.00	-14.77	3.55 H	131	84.02	-65.79
2	1880.00	18.24	33.00	-14.76	3.58 H	132	83.85	-65.61
3	1902.50	18.05	33.00	-14.95	3.57 H	132	83.48	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	23.42	33.00	-9.58	1.26 V	218	89.21	-65.79
2	1880.00	23.23	33.00	-9.77	1.31 V	224	88.84	-65.61
3	1902.50	23.37	33.00	-9.63	1.32 V	218	88.80	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.94	33.00	-15.06	3.55 H	135	83.70	-65.76
2	1880.00	17.55	33.00	-15.45	3.49 H	129	83.16	-65.61
3	1900.00	18.12	33.00	-14.88	3.58 H	134	83.57	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	23.58	33.00	-9.42	1.27 V	218	89.34	-65.76
2	1880.00	23.47	33.00	-9.53	1.35 V	223	89.08	-65.61
3	1900.00	22.98	33.00	-10.02	1.35 V	218	88.43	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Modulation Type: 16QAM

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	16.66	33.00	-16.34	3.58 H	128	82.48	-65.82
2	1880.00	16.96	33.00	-16.04	3.56 H	131	82.57	-65.61
3	1907.50	17.28	33.00	-15.72	3.55 H	130	82.67	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	21.85	33.00	-11.15	1.32 V	219	87.67	-65.82
2	1880.00	21.85	33.00	-11.15	1.30 V	220	87.46	-65.61
3	1907.50	21.11	33.00	-11.89	1.31 V	218	86.50	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	16.50	33.00	-16.50	3.48 H	130	82.30	-65.80
2	1880.00	16.82	33.00	-16.18	3.54 H	128	82.43	-65.61
3	1905.00	16.89	33.00	-16.11	3.52 H	134	82.30	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	22.38	33.00	-10.62	1.28 V	223	88.18	-65.80
2	1880.00	22.48	33.00	-10.52	1.32 V	218	88.09	-65.61
3	1905.00	22.67	33.00	-10.33	1.26 V	219	88.10	-65.43

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction 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. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	17.24	33.00	-15.76	3.48 H	133	83.03	-65.79
2	1880.00	17.22	33.00	-15.78	3.53 H	135	82.83	-65.61
3	1902.50	17.07	33.00	-15.93	3.50 H	129	82.50	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	22.44	33.00	-10.56	1.33 V	220	88.23	-65.79
2	1880.00	22.21	33.00	-10.79	1.34 V	219	87.82	-65.61
3	1902.50	22.35	33.00	-10.65	1.34 V	219	87.78	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	16.93	33.00	-16.07	3.57 H	132	82.69	-65.76
2	1880.00	16.54	33.00	-16.46	3.48 H	130	82.15	-65.61
3	1900.00	17.11	33.00	-15.89	3.52 H	134	82.56	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	22.57	33.00	-10.43	1.27 V	220	88.33	-65.76
2	1880.00	22.47	33.00	-10.53	1.35 V	220	88.08	-65.61
3	1900.00	21.97	33.00	-11.03	1.27 V	219	87.42	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Modulation Type: 64QAM

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	15.64	33.00	-17.36	3.57 H	129	81.46	-65.82
2	1880.00	15.98	33.00	-17.02	3.50 H	128	81.59	-65.61
3	1907.50	16.30	33.00	-16.70	3.54 H	133	81.69	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	20.83	33.00	-12.17	1.27 V	218	86.65	-65.82
2	1880.00	20.87	33.00	-12.13	1.31 V	220	86.48	-65.61
3	1907.50	21.13	33.00	-11.87	1.34 V	222	86.52	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	15.48	33.00	-17.52	3.51 H	135	81.28	-65.80
2	1880.00	15.82	33.00	-17.18	3.49 H	131	81.43	-65.61
3	1905.00	15.90	33.00	-17.10	3.56 H	128	81.31	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	21.39	33.00	-11.61	1.28 V	225	87.19	-65.80
2	1880.00	21.48	33.00	-11.52	1.33 V	224	87.09	-65.61
3	1905.00	21.66	33.00	-11.34	1.34 V	218	87.07	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	16.22	33.00	-16.78	3.51 H	132	82.01	-65.79
2	1880.00	16.22	33.00	-16.78	3.55 H	131	81.83	-65.61
3	1902.50	16.08	33.00	-16.92	3.51 H	133	81.51	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	21.43	33.00	-11.57	1.25 V	224	87.22	-65.79
2	1880.00	21.21	33.00	-11.79	1.31 V	225	86.82	-65.61
3	1902.50	21.34	33.00	-11.66	1.32 V	222	86.77	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	15.93	33.00	-17.07	3.56 H	131	81.69	-65.76
2	1880.00	15.52	33.00	-17.48	3.53 H	131	81.13	-65.61
3	1900.00	16.12	33.00	-16.88	3.48 H	133	81.57	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	21.57	33.00	-11.43	1.32 V	222	87.33	-65.76
2	1880.00	21.47	33.00	-11.53	1.28 V	222	87.08	-65.61
3	1900.00	20.97	33.00	-12.03	1.33 V	225	86.42	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Modulation Type: 256QAM

n2, Channel Bandwidth: 5MHz

Mode	TX channel 370500, 376000, 381500							
Antenna Polarity & Test Distance: Horizontal at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	14.66	33.00	-18.34	3.53 H	128	80.48	-65.82
2	1880.00	14.97	33.00	-18.03	3.57 H	128	80.58	-65.61
3	1907.50	15.29	33.00	-17.71	3.51 H	135	80.68	-65.39
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1852.50	19.81	33.00	-13.19	1.35 V	223	85.63	-65.82
2	1880.00	19.88	33.00	-13.12	1.26 V	220	85.49	-65.61
3	1907.50	20.13	33.00	-12.87	1.29 V	223	85.52	-65.39

n2, Channel Bandwidth: 10MHz

Mode	TX channel 371000, 376000, 381000							
Antenna Polarity & Test Distance: Horizontal at 3 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	14.46	33.00	-18.54	3.53 H	132	80.26	-65.80
2	1880.00	14.84	33.00	-18.16	3.54 H	134	80.45	-65.61
3	1905.00	14.92	33.00	-18.08	3.55 H	133	80.33	-65.41
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1855.00	20.41	33.00	-12.59	1.35 V	224	86.21	-65.80
2	1880.00	20.49	33.00	-12.51	1.26 V	221	86.10	-65.61
3	1905.00	20.64	33.00	-12.36	1.35 V	219	86.05	-65.41

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

n2, Channel Bandwidth: 15MHz

Mode	TX channel 371500, 376000, 380500							
Antenna Polarity & Test Distance: Horizontal at 3 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	15.20	33.00	-17.80	3.49 H	129	80.99	-65.79
2	1880.00	15.20	33.00	-17.80	3.52 H	133	80.81	-65.61
3	1902.50	15.08	33.00	-17.92	3.50 H	133	80.51	-65.43
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1857.50	20.43	33.00	-12.57	1.30 V	221	86.22	-65.79
2	1880.00	20.19	33.00	-12.81	1.34 V	225	85.80	-65.61
3	1902.50	20.35	33.00	-12.65	1.35 V	223	85.78	-65.43

n2, Channel Bandwidth: 20MHz

Mode	TX channel 372000, 376000, 380000							
Antenna Polarity & Test Distance: Horizontal at 3 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	14.93	33.00	-18.07	3.55 H	133	80.69	-65.76
2	1880.00	14.51	33.00	-18.49	3.51 H	129	80.12	-65.61
3	1900.00	15.12	33.00	-17.88	3.55 H	135	80.57	-65.45
Antenna Polarity & Test Distance: Vertical at 3 M								
No.	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1860.00	20.57	33.00	-12.43	1.27 V	220	86.33	-65.76
2	1880.00	20.49	33.00	-12.51	1.33 V	218	86.10	-65.61
3	1900.00	19.98	33.00	-13.02	1.34 V	225	85.43	-65.45

Remarks:

1. EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

LTE Band 5

Modulation Type: QPSK

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	824.70	19.50	38.45	-18.95	1.09 H	25	93.08	-73.58
2	836.50	19.32	38.45	-19.13	1.18 H	26	92.77	-73.45
3	848.30	19.30	38.45	-19.15	1.18 H	28	92.73	-73.43
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	824.70	11.02	38.45	-27.43	1.25 V	12	84.60	-73.58
2	836.50	10.89	38.45	-27.56	1.27 V	12	84.34	-73.45
3	848.30	11.03	38.45	-27.42	1.30 V	19	84.46	-73.43

LTE Band 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	825.50	19.42	38.45	-19.03	1.18 H	22	93.00	-73.58
2	836.50	19.45	38.45	-19.00	1.15 H	24	92.90	-73.45
3	847.50	19.49	38.45	-18.96	1.14 H	26	92.92	-73.43
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	825.50	11.09	38.45	-27.36	1.28 V	17	84.67	-73.58
2	836.50	11.20	38.45	-27.25	1.24 V	16	84.65	-73.45
3	847.50	10.99	38.45	-27.46	1.28 V	18	84.42	-73.43

Remarks:

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

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	19.46	38.45	-18.99	1.13 H	25	93.03	-73.57
2	836.50	19.26	38.45	-19.19	1.13 H	28	92.71	-73.45
3	846.50	19.23	38.45	-19.22	1.08 H	25	92.65	-73.42
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	10.92	38.45	-27.53	1.28 V	14	84.49	-73.57
2	836.50	10.97	38.45	-27.48	1.32 V	19	84.42	-73.45
3	846.50	10.98	38.45	-27.47	1.29 V	16	84.40	-73.42

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	829.00	19.52	38.45	-18.93	1.17 H	26	93.08	-73.56
2	836.50	19.25	38.45	-19.20	1.16 H	27	92.70	-73.45
3	844.00	19.39	38.45	-19.06	1.14 H	26	92.79	-73.40
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	829.00	10.94	38.45	-27.51	1.31 V	17	84.50	-73.56
2	836.50	11.11	38.45	-27.34	1.30 V	19	84.56	-73.45
3	844.00	10.91	38.45	-27.54	1.27 V	15	84.31	-73.40

Remarks:

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

Modulation Type: 16QAM

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	824.70	18.52	38.45	-19.93	1.18 H	26	92.10	-73.58
2	836.50	18.33	38.45	-20.12	1.18 H	22	91.78	-73.45
3	848.30	18.37	38.45	-20.08	1.16 H	24	91.80	-73.43
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	824.70	10.04	38.45	-28.41	1.23 V	15	83.62	-73.58
2	836.50	9.88	38.45	-28.57	1.26 V	12	83.33	-73.45
3	848.30	10.01	38.45	-28.44	1.27 V	15	83.44	-73.43

LTE Band 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	825.50	18.44	38.45	-20.01	1.14 H	22	92.02	-73.58
2	836.50	18.46	38.45	-19.99	1.13 H	25	91.91	-73.45
3	847.50	18.50	38.45	-19.95	1.13 H	28	91.93	-73.43
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	825.50	10.08	38.45	-28.37	1.29 V	16	83.66	-73.58
2	836.50	10.19	38.45	-28.26	1.33 V	15	83.64	-73.45
3	847.50	9.97	38.45	-28.48	1.31 V	16	83.40	-73.43

Remarks:

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

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	18.45	38.45	-20.00	1.17 H	26	92.02	-73.57
2	836.50	18.28	38.45	-20.17	1.10 H	27	91.73	-73.45
3	846.50	18.22	38.45	-20.23	1.16 H	26	91.64	-73.42
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	9.93	38.45	-28.52	1.29 V	18	83.50	-73.57
2	836.50	9.97	38.45	-28.48	1.27 V	15	83.42	-73.45
3	846.50	9.97	38.45	-28.48	1.26 V	13	83.39	-73.42

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	829.00	18.53	38.45	-19.92	1.10 H	26	92.09	-73.56
2	836.50	18.26	38.45	-20.19	1.18 H	28	91.71	-73.45
3	844.00	18.40	38.45	-20.05	1.10 H	24	91.80	-73.40
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	829.00	9.96	38.45	-28.49	1.24 V	12	83.52	-73.56
2	836.50	10.10	38.45	-28.35	1.24 V	19	83.55	-73.45
3	844.00	9.97	38.45	-28.48	1.32 V	16	83.37	-73.40

Remarks:

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

Modulation Type: 64QAM

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	824.70	17.53	38.45	-20.92	1.10 H	24	91.11	-73.58
2	836.50	17.33	38.45	-21.12	1.12 H	26	90.78	-73.45
3	848.30	17.36	38.45	-21.09	1.09 H	28	90.79	-73.43
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	824.70	9.05	38.45	-29.40	1.28 V	17	82.63	-73.58
2	836.50	8.88	38.45	-29.57	1.24 V	14	82.33	-73.45
3	848.30	9.03	38.45	-29.42	1.32 V	19	82.46	-73.43

LTE Band 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	825.50	17.45	38.45	-21.00	1.13 H	22	91.03	-73.58
2	836.50	17.47	38.45	-20.98	1.16 H	26	90.92	-73.45
3	847.50	17.50	38.45	-20.95	1.12 H	27	90.93	-73.43
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	825.50	9.06	38.45	-29.39	1.23 V	12	82.64	-73.58
2	836.50	9.21	38.45	-29.24	1.33 V	15	82.66	-73.45
3	847.50	8.97	38.45	-29.48	1.31 V	16	82.40	-73.43

Remarks:

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

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	17.43	38.45	-21.02	1.09 H	26	91.00	-73.57
2	836.50	17.30	38.45	-21.15	1.16 H	26	90.75	-73.45
3	846.50	17.22	38.45	-21.23	1.17 H	22	90.64	-73.42
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	8.91	38.45	-29.54	1.24 V	15	82.48	-73.57
2	836.50	8.97	38.45	-29.48	1.23 V	17	82.42	-73.45
3	846.50	8.98	38.45	-29.47	1.31 V	16	82.40	-73.42

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	829.00	17.51	38.45	-20.94	1.12 H	25	91.07	-73.56
2	836.50	17.26	38.45	-21.19	1.14 H	24	90.71	-73.45
3	844.00	17.39	38.45	-21.06	1.16 H	26	90.79	-73.40
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	829.00	8.94	38.45	-29.51	1.24 V	14	82.50	-73.56
2	836.50	9.10	38.45	-29.35	1.25 V	17	82.55	-73.45
3	844.00	8.91	38.45	-29.54	1.26 V	13	82.31	-73.40

Remarks:

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

Modulation Type: 256QAM

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407, 20525, 20643							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	824.70	16.51	38.45	-21.94	1.18 H	23	90.09	-73.58
2	836.50	16.32	38.45	-22.13	1.10 H	25	89.77	-73.45
3	848.30	16.35	38.45	-22.10	1.17 H	25	89.78	-73.43
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	824.70	8.03	38.45	-30.42	1.31 V	19	81.61	-73.58
2	836.50	7.88	38.45	-30.57	1.23 V	17	81.33	-73.45
3	848.30	8.04	38.45	-30.41	1.33 V	15	81.47	-73.43

LTE Band 5, Channel Bandwidth 3MHz

Mode	TX channel 20415, 20525, 20635							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	825.50	16.43	38.45	-22.02	1.15 H	22	90.01	-73.58
2	836.50	16.46	38.45	-21.99	1.12 H	28	89.91	-73.45
3	847.50	16.48	38.45	-21.97	1.13 H	24	89.91	-73.43
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	825.50	8.05	38.45	-30.40	1.29 V	13	81.63	-73.58
2	836.50	8.22	38.45	-30.23	1.25 V	14	81.67	-73.45
3	847.50	7.98	38.45	-30.47	1.23 V	17	81.41	-73.43

Remarks:

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

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425, 20525, 20625							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	16.45	38.45	-22.00	1.18 H	23	90.02	-73.57
2	836.50	16.28	38.45	-22.17	1.11 H	21	89.73	-73.45
3	846.50	16.23	38.45	-22.22	1.08 H	27	89.65	-73.42
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	826.50	7.92	38.45	-30.53	1.26 V	13	81.49	-73.57
2	836.50	7.96	38.45	-30.49	1.26 V	19	81.41	-73.45
3	846.50	7.97	38.45	-30.48	1.26 V	19	81.39	-73.42

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450, 20525, 20600							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	829.00	16.50	38.45	-21.95	1.18 H	22	90.06	-73.56
2	836.50	16.25	38.45	-22.20	1.13 H	23	89.70	-73.45
3	844.00	16.41	38.45	-22.04	1.12 H	24	89.81	-73.40
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	829.00	7.94	38.45	-30.51	1.32 V	19	81.50	-73.56
2	836.50	8.12	38.45	-30.33	1.24 V	19	81.57	-73.45
3	844.00	7.91	38.45	-30.54	1.26 V	13	81.31	-73.40

Remarks:

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

LTE Band 12

Modulation Type: QPSK

LTE Band 12, Channel Bandwidth 1.4MHz

MODE	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	14.98	34.77	-19.79	1.23 H	256	90.21	-75.23
2	707.50	15.05	34.77	-19.72	1.25 H	262	90.24	-75.19
3	715.30	15.20	34.77	-19.57	1.25 H	261	90.26	-75.06
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	18.66	34.77	-16.11	1.57 V	193	93.89	-75.23
2	707.50	18.76	34.77	-16.01	1.58 V	192	93.95	-75.19
3	715.30	18.49	34.77	-16.28	1.57 V	197	93.55	-75.06

LTE Band 12, Channel Bandwidth 3MHz

MODE	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	15.22	34.77	-19.55	1.27 H	260	90.44	-75.22
2	707.50	15.26	34.77	-19.51	1.21 H	262	90.45	-75.19
3	714.50	15.14	34.77	-19.63	1.21 H	260	90.22	-75.08
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	18.56	34.77	-16.21	1.56 V	193	93.78	-75.22
2	707.50	18.47	34.77	-16.30	1.53 V	190	93.66	-75.19
3	714.50	18.72	34.77	-16.05	1.51 V	195	93.80	-75.08

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

MODE	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	14.96	34.77	-19.81	1.17 H	255	90.17	-75.21
2	707.50	15.06	34.77	-19.71	1.18 H	256	90.25	-75.19
3	713.50	15.18	34.77	-19.59	1.22 H	257	90.28	-75.10
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	18.69	34.77	-16.08	1.55 V	193	93.90	-75.21
2	707.50	18.63	34.77	-16.14	1.57 V	191	93.82	-75.19
3	713.50	18.65	34.77	-16.12	1.52 V	197	93.75	-75.10

LTE Band 12, Channel Bandwidth 10MHz

MODE	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	14.94	34.77	-19.83	1.26 H	258	90.13	-75.19
2	707.50	15.28	34.77	-19.49	1.22 H	256	90.47	-75.19
3	711.00	15.01	34.77	-19.76	1.25 H	259	90.17	-75.16
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	18.70	34.77	-16.07	1.51 V	193	93.89	-75.19
2	707.50	18.52	34.77	-16.25	1.54 V	191	93.71	-75.19
3	711.00	18.74	34.77	-16.03	1.56 V	191	93.90	-75.16

Remarks:

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

Modulation Type: 16QAM

LTE Band 12, Channel Bandwidth 1.4MHz

MODE	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	14.00	34.77	-20.77	1.24 H	256	89.23	-75.23
2	707.50	14.03	34.77	-20.74	1.26 H	258	89.22	-75.19
3	715.30	14.21	34.77	-20.56	1.25 H	259	89.27	-75.06
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	17.67	34.77	-17.10	1.60 V	195	92.90	-75.23
2	707.50	17.77	34.77	-17.00	1.53 V	197	92.96	-75.19
3	715.30	17.49	34.77	-17.28	1.53 V	192	92.55	-75.06

LTE Band 12, Channel Bandwidth 3MHz

MODE	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	14.24	34.77	-20.53	1.21 H	256	89.46	-75.22
2	707.50	14.25	34.77	-20.52	1.22 H	258	89.44	-75.19
3	714.50	14.15	34.77	-20.62	1.17 H	258	89.23	-75.08
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	17.57	34.77	-17.20	1.61 V	190	92.79	-75.22
2	707.50	17.47	34.77	-17.30	1.56 V	196	92.66	-75.19
3	714.50	17.73	34.77	-17.04	1.59 V	197	92.81	-75.08

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

MODE	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	13.96	34.77	-20.81	1.26 H	257	89.17	-75.21
2	707.50	14.05	34.77	-20.72	1.17 H	262	89.24	-75.19
3	713.50	14.17	34.77	-20.60	1.25 H	262	89.27	-75.10
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	17.67	34.77	-17.10	1.56 V	191	92.88	-75.21
2	707.50	17.63	34.77	-17.14	1.52 V	195	92.82	-75.19
3	713.50	17.64	34.77	-17.13	1.57 V	192	92.74	-75.10

LTE Band 12, Channel Bandwidth 10MHz

MODE	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	13.94	34.77	-20.83	1.26 H	260	89.13	-75.19
2	707.50	14.26	34.77	-20.51	1.20 H	260	89.45	-75.19
3	711.00	14.03	34.77	-20.74	1.24 H	260	89.19	-75.16
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	17.70	34.77	-17.07	1.56 V	193	92.89	-75.19
2	707.50	17.51	34.77	-17.26	1.52 V	190	92.70	-75.19
3	711.00	17.72	34.77	-17.05	1.52 V	194	92.88	-75.16

Remarks:

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

Modulation Type: 64QAM

LTE Band 12, Channel Bandwidth 1.4MHz

MODE	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	12.98	34.77	-21.79	1.24 H	261	88.21	-75.23
2	707.50	13.03	34.77	-21.74	1.26 H	259	88.22	-75.19
3	715.30	13.19	34.77	-21.58	1.22 H	257	88.25	-75.06
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	16.68	34.77	-18.09	1.58 V	192	91.91	-75.23
2	707.50	16.79	34.77	-17.98	1.54 V	195	91.98	-75.19
3	715.30	16.48	34.77	-18.29	1.53 V	194	91.54	-75.06

LTE Band 12, Channel Bandwidth 3MHz

MODE	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	13.24	34.77	-21.53	1.17 H	259	88.46	-75.22
2	707.50	13.23	34.77	-21.54	1.26 H	257	88.42	-75.19
3	714.50	13.15	34.77	-21.62	1.20 H	261	88.23	-75.08
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	16.58	34.77	-18.19	1.61 V	192	91.80	-75.22
2	707.50	16.48	34.77	-18.29	1.58 V	190	91.67	-75.19
3	714.50	16.71	34.77	-18.06	1.59 V	194	91.79	-75.08

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

MODE	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	12.94	34.77	-21.83	1.22 H	261	88.15	-75.21
2	707.50	13.05	34.77	-21.72	1.26 H	262	88.24	-75.19
3	713.50	13.19	34.77	-21.58	1.18 H	260	88.29	-75.10
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	16.66	34.77	-18.11	1.53 V	190	91.87	-75.21
2	707.50	16.65	34.77	-18.12	1.51 V	194	91.84	-75.19
3	713.50	16.64	34.77	-18.13	1.55 V	197	91.74	-75.10

LTE Band 12, Channel Bandwidth 10MHz

MODE	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	12.92	34.77	-21.85	1.17 H	262	88.11	-75.19
2	707.50	13.26	34.77	-21.51	1.25 H	262	88.45	-75.19
3	711.00	13.05	34.77	-21.72	1.25 H	259	88.21	-75.16
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	16.71	34.77	-18.06	1.55 V	193	91.90	-75.19
2	707.50	16.52	34.77	-18.25	1.59 V	197	91.71	-75.19
3	711.00	16.73	34.77	-18.04	1.60 V	193	91.89	-75.16

Remarks:

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

Modulation Type: 256QAM

LTE Band 12, Channel Bandwidth 1.4MHz

MODE	TX channel 23017, 23095, 23173							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	12.00	34.77	-22.77	1.23 H	256	87.23	-75.23
2	707.50	12.02	34.77	-22.75	1.24 H	256	87.21	-75.19
3	715.30	12.19	34.77	-22.58	1.20 H	260	87.25	-75.06
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	699.70	15.67	34.77	-19.10	1.61 V	195	90.90	-75.23
2	707.50	15.78	34.77	-18.99	1.55 V	190	90.97	-75.19
3	715.30	15.49	34.77	-19.28	1.59 V	195	90.55	-75.06

LTE Band 12, Channel Bandwidth 3MHz

MODE	TX channel 23025, 23095, 23165							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	12.23	34.77	-22.54	1.19 H	258	87.45	-75.22
2	707.50	12.25	34.77	-22.52	1.18 H	257	87.44	-75.19
3	714.50	12.17	34.77	-22.60	1.23 H	256	87.25	-75.08
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	700.50	15.60	34.77	-19.17	1.61 V	194	90.80	-75.20
2	707.50	15.50	34.77	-19.27	1.52 V	193	90.70	-75.20
3	714.50	15.70	34.77	-19.07	1.52 V	194	90.90	-75.20

Remarks:

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

LTE Band 12, Channel Bandwidth 5MHz

MODE	TX channel 23035, 23095, 23155							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	11.94	34.77	-22.83	1.20 H	262	87.15	-75.21
2	707.50	12.07	34.77	-22.70	1.18 H	257	87.26	-75.19
3	713.50	12.19	34.77	-22.58	1.17 H	262	87.29	-75.10
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	701.50	15.66	34.77	-19.11	1.56 V	192	90.87	-75.21
2	707.50	15.65	34.77	-19.12	1.58 V	197	90.84	-75.19
3	713.50	15.66	34.77	-19.11	1.53 V	190	90.76	-75.10

LTE Band 12, Channel Bandwidth 10MHz

MODE	TX channel 23060, 23095, 23130							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	11.90	34.77	-22.87	1.27 H	259	87.09	-75.19
2	707.50	12.28	34.77	-22.49	1.17 H	258	87.47	-75.19
3	711.00	12.06	34.77	-22.71	1.20 H	257	87.22	-75.16
Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Reading (dBuV/m)	Correction Factor (dB/m)
1	704.00	15.73	34.77	-19.04	1.61 V	191	90.92	-75.19
2	707.50	15.50	34.77	-19.27	1.58 V	191	90.69	-75.19
3	711.00	15.71	34.77	-19.06	1.54 V	191	90.87	-75.16

Remarks:

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

LTE Band 66

Modulation Type: QPSK

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.90	30.00	-13.10	2.88 H	44	83.40	-66.50
2	1745.00	17.10	30.00	-12.90	2.81 H	60	83.50	-66.40
3	1779.30	16.80	30.00	-13.20	2.85 H	59	83.10	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	18.90	30.00	-11.10	2.29 V	120	85.40	-66.50
2	1745.00	19.30	30.00	-10.70	2.01 V	126	85.70	-66.40
3	1779.30	19.20	30.00	-10.80	1.90 V	119	85.50	-66.30

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	16.00	30.00	-14.00	2.99 H	40	82.50	-66.50
2	1745.00	16.30	30.00	-13.70	3.01 H	49	82.70	-66.40
3	1778.50	16.20	30.00	-13.80	2.98 H	55	82.50	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	18.80	30.00	-11.20	1.92 V	90	85.30	-66.50
2	1745.00	19.30	30.00	-10.70	1.90 V	101	85.70	-66.40
3	1778.50	19.10	30.00	-10.90	1.86 V	110	85.40	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 5MHz

Mode	TX channel 131997, 132322, 132647							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.50	30.00	-13.50	3.20 H	40	83.00	-66.50
2	1745.00	16.70	30.00	-13.30	3.09 H	50	83.10	-66.40
3	1777.50	16.30	30.00	-13.70	3.20 H	69	82.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	18.70	30.00	-11.30	1.86 V	118	85.20	-66.50
2	1745.00	19.30	30.00	-10.70	1.85 V	103	85.70	-66.40
3	1777.50	19.00	30.00	-11.00	1.80 V	111	85.30	-66.30

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.20	30.00	-13.80	3.46 H	45	82.70	-66.50
2	1745.00	16.80	30.00	-13.20	3.40 H	44	83.20	-66.40
3	1775.00	16.40	30.00	-13.60	3.40 H	50	82.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	18.70	30.00	-11.30	1.82 V	126	85.20	-66.50
2	1745.00	18.90	30.00	-11.10	1.88 V	129	85.30	-66.40
3	1775.00	19.10	30.00	-10.90	1.88 V	126	85.40	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	15.80	30.00	-14.20	3.50 H	31	82.30	-66.50
2	1745.00	16.30	30.00	-13.70	3.44 H	29	82.70	-66.40
3	1772.50	16.30	30.00	-13.70	3.38 H	35	82.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	19.20	30.00	-10.80	2.08 V	146	85.70	-66.50
2	1745.00	19.60	30.00	-10.40	1.96 V	140	86.00	-66.40
3	1772.50	19.40	30.00	-10.60	1.90 V	123	85.70	-66.30

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.60	30.00	-13.40	3.11 H	50	83.10	-66.50
2	1745.00	16.90	30.00	-13.10	3.26 H	63	83.30	-66.40
3	1770.00	16.60	30.00	-13.40	3.60 H	68	82.90	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	19.70	30.00	-10.30	2.19 V	110	86.20	-66.50
2	1745.00	20.00	30.00	-10.00	2.01 V	156	86.40	-66.40
3	1770.00	19.80	30.00	-10.20	1.93 V	140	86.10	-66.30

Remarks:

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

Modulation Type: 16QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	15.90	30.00	-14.10	2.88 H	44	82.40	-66.50
2	1745.00	16.10	30.00	-13.90	2.81 H	60	82.50	-66.40
3	1779.30	15.80	30.00	-14.20	2.85 H	59	82.10	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.90	30.00	-12.10	2.29 V	120	84.40	-66.50
2	1745.00	18.30	30.00	-11.70	2.01 V	126	84.70	-66.40
3	1779.30	18.20	30.00	-11.80	1.90 V	119	84.50	-66.30

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	15.00	30.00	-15.00	2.99 H	40	81.50	-66.50
2	1745.00	15.30	30.00	-14.70	3.01 H	49	81.70	-66.40
3	1778.50	15.20	30.00	-14.80	2.98 H	55	81.50	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.80	30.00	-12.20	1.92 V	90	84.30	-66.50
2	1745.00	18.30	30.00	-11.70	1.90 V	101	84.70	-66.40
3	1778.50	18.10	30.00	-11.90	1.86 V	110	84.40	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 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	15.50	30.00	-14.50	3.20 H	40	82.00	-66.50
2	1745.00	15.70	30.00	-14.30	3.09 H	50	82.10	-66.40
3	1777.50	15.30	30.00	-14.70	3.20 H	69	81.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	17.70	30.00	-12.30	1.86 V	118	84.20	-66.50
2	1745.00	18.30	30.00	-11.70	1.85 V	103	84.70	-66.40
3	1777.50	18.00	30.00	-12.00	1.80 V	111	84.30	-66.30

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	15.20	30.00	-14.80	3.46 H	45	81.70	-66.50
2	1745.00	15.80	30.00	-14.20	3.40 H	44	82.20	-66.40
3	1775.00	15.40	30.00	-14.60	3.40 H	50	81.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.70	30.00	-12.30	1.82 V	126	84.20	-66.50
2	1745.00	17.90	30.00	-12.10	1.88 V	129	84.30	-66.40
3	1775.00	18.10	30.00	-11.90	1.88 V	126	84.40	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 15MHz

Mode	TX channel 132047, 132322, 132597							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	14.80	30.00	-15.20	3.50 H	31	81.30	-66.50
2	1745.00	15.30	30.00	-14.70	3.44 H	29	81.70	-66.40
3	1772.50	15.30	30.00	-14.70	3.38 H	35	81.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	18.20	30.00	-11.80	2.08 V	146	84.70	-66.50
2	1745.00	18.50	30.00	-11.50	1.96 V	140	84.90	-66.40
3	1772.50	18.30	30.00	-11.70	1.90 V	123	84.60	-66.30

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	15.60	30.00	-14.40	3.11 H	50	82.10	-66.50
2	1745.00	15.90	30.00	-14.10	3.26 H	63	82.30	-66.40
3	1770.00	15.50	30.00	-14.50	3.60 H	68	81.80	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	18.70	30.00	-11.30	2.19 V	110	85.20	-66.50
2	1745.00	19.00	30.00	-11.00	2.01 V	156	85.40	-66.40
3	1770.00	18.80	30.00	-11.20	1.93 V	140	85.10	-66.30

Remarks:

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

Modulation Type: 64QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	15.20	30.00	-14.80	2.88 H	44	81.70	-66.50
2	1745.00	15.30	30.00	-14.70	2.81 H	60	81.70	-66.40
3	1779.30	15.00	30.00	-15.00	2.85 H	59	81.30	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	17.00	30.00	-13.00	2.29 V	120	83.50	-66.50
2	1745.00	17.40	30.00	-12.60	2.01 V	126	83.80	-66.40
3	1779.30	17.30	30.00	-12.70	1.90 V	119	83.60	-66.30

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	14.20	30.00	-15.80	2.99 H	40	80.70	-66.50
2	1745.00	14.50	30.00	-15.50	3.01 H	49	80.90	-66.40
3	1778.50	14.40	30.00	-15.60	2.98 H	55	80.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	17.00	30.00	-13.00	1.92 V	90	83.50	-66.50
2	1745.00	17.40	30.00	-12.60	1.90 V	101	83.80	-66.40
3	1778.50	17.20	30.00	-12.80	1.86 V	110	83.50	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 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	14.70	30.00	-15.30	3.20 H	40	81.20	-66.50
2	1745.00	14.90	30.00	-15.10	3.09 H	50	81.30	-66.40
3	1777.50	14.50	30.00	-15.50	3.20 H	69	80.80	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	16.80	30.00	-13.20	1.86 V	118	83.30	-66.50
2	1745.00	17.40	30.00	-12.60	1.85 V	103	83.80	-66.40
3	1777.50	17.20	30.00	-12.80	1.80 V	111	83.50	-66.30

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	14.40	30.00	-15.60	3.46 H	45	80.90	-66.50
2	1745.00	15.00	30.00	-15.00	3.40 H	44	81.40	-66.40
3	1775.00	14.60	30.00	-15.40	3.40 H	50	80.90	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	17.00	30.00	-13.00	1.82 V	126	83.50	-66.50
2	1745.00	17.20	30.00	-12.80	1.88 V	129	83.60	-66.40
3	1775.00	17.40	30.00	-12.60	1.88 V	126	83.70	-66.30

Remarks:

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

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	3.50 H	31	80.50	-66.50
2	1745.00	14.50	30.00	-15.50	3.44 H	29	80.90	-66.40
3	1772.50	14.30	30.00	-15.70	3.38 H	35	80.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	17.40	30.00	-12.60	2.08 V	146	83.90	-66.50
2	1745.00	17.70	30.00	-12.30	1.96 V	140	84.10	-66.40
3	1772.50	17.50	30.00	-12.50	1.90 V	123	83.80	-66.30

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	14.80	30.00	-15.20	3.11 H	50	81.30	-66.50
2	1745.00	14.90	30.00	-15.10	3.26 H	63	81.30	-66.40
3	1770.00	14.50	30.00	-15.50	3.60 H	68	80.80	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	17.70	30.00	-12.30	2.19 V	110	84.20	-66.50
2	1745.00	18.00	30.00	-12.00	2.01 V	156	84.40	-66.40
3	1770.00	17.80	30.00	-12.20	1.93 V	140	84.10	-66.30

Remarks:

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

Modulation Type: 256QAM

LTE Band 66, Channel Bandwidth 1.4MHz

Mode	TX channel 131979, 132322, 132665							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	14.20	30.00	-15.80	2.88 H	44	80.70	-66.50
2	1745.00	14.30	30.00	-15.70	2.81 H	60	80.70	-66.40
3	1779.30	14.00	30.00	-16.00	2.85 H	59	80.30	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1710.70	16.00	30.00	-14.00	2.29 V	120	82.50	-66.50
2	1745.00	16.40	30.00	-13.60	2.01 V	126	82.80	-66.40
3	1779.30	16.30	30.00	-13.70	1.90 V	119	82.60	-66.30

LTE Band 66, Channel Bandwidth 3MHz

Mode	TX channel 131987, 132322, 132657							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	13.10	30.00	-16.90	2.99 H	40	79.60	-66.50
2	1745.00	13.50	30.00	-16.50	3.01 H	49	79.90	-66.40
3	1778.50	13.40	30.00	-16.60	2.98 H	55	79.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1711.50	16.00	30.00	-14.00	1.92 V	90	82.50	-66.50
2	1745.00	16.40	30.00	-13.60	1.90 V	101	82.80	-66.40
3	1778.50	16.20	30.00	-13.80	1.86 V	110	82.50	-66.30

Remarks:

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

LTE Band 66, Channel Bandwidth 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	13.70	30.00	-16.30	3.20 H	40	80.20	-66.50
2	1745.00	13.90	30.00	-16.10	3.09 H	50	80.30	-66.40
3	1777.50	13.40	30.00	-16.60	3.20 H	69	79.70	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1712.50	15.80	30.00	-14.20	1.86 V	118	82.30	-66.50
2	1745.00	16.40	30.00	-13.60	1.85 V	103	82.80	-66.40
3	1777.50	16.20	30.00	-13.80	1.80 V	111	82.50	-66.30

LTE Band 66, Channel Bandwidth 10MHz

Mode	TX channel 132022, 132322, 132622							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	13.40	30.00	-16.60	3.46 H	45	79.90	-66.50
2	1745.00	14.00	30.00	-16.00	3.40 H	44	80.40	-66.40
3	1775.00	13.60	30.00	-16.40	3.40 H	50	79.90	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1715.00	16.00	30.00	-14.00	1.82 V	126	82.50	-66.50
2	1745.00	16.20	30.00	-13.80	1.88 V	129	82.60	-66.40
3	1775.00	16.40	30.00	-13.60	1.88 V	126	82.70	-66.30

Remarks:

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

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	13.00	30.00	-17.00	3.50 H	31	79.50	-66.50
2	1745.00	13.50	30.00	-16.50	3.44 H	29	79.90	-66.40
3	1772.50	13.30	30.00	-16.70	3.38 H	35	79.60	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1717.50	16.40	30.00	-13.60	2.08 V	146	82.90	-66.50
2	1745.00	16.70	30.00	-13.30	1.96 V	140	83.10	-66.40
3	1772.50	16.50	30.00	-13.50	1.90 V	123	82.80	-66.30

LTE Band 66, Channel Bandwidth 20MHz

Mode	TX channel 132072, 132322, 132572							
Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	13.80	30.00	-16.20	3.11 H	50	80.30	-66.50
2	1745.00	14.00	30.00	-16.00	3.26 H	63	80.40	-66.40
3	1770.00	13.50	30.00	-16.50	3.60 H	68	79.80	-66.30
Antenna Polarity & Test Distance: Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1720.00	16.70	30.00	-13.30	2.19 V	110	83.20	-66.50
2	1745.00	17.00	30.00	-13.00	2.01 V	156	83.40	-66.40
3	1770.00	16.80	30.00	-13.20	1.93 V	140	83.10	-66.30

Remarks:

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

4.2 Modulation Characteristics Measurement

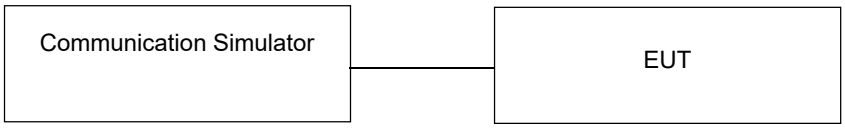
4.2.1 Limits of Modulation Characteristics

N/A

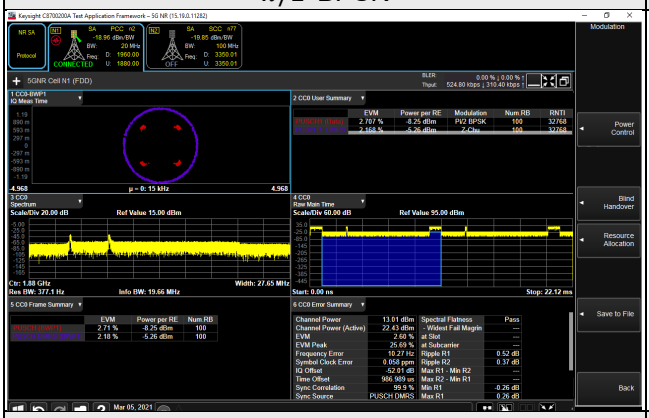
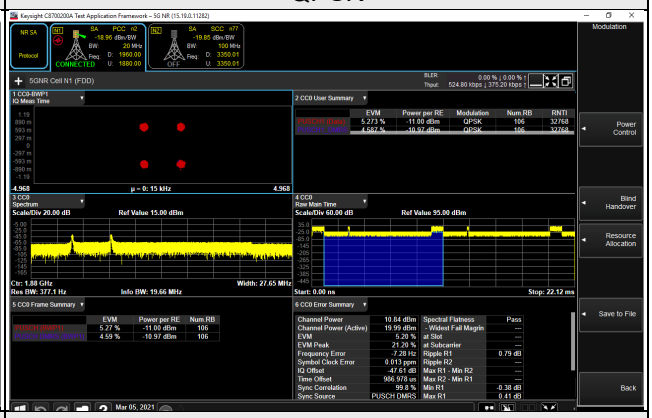
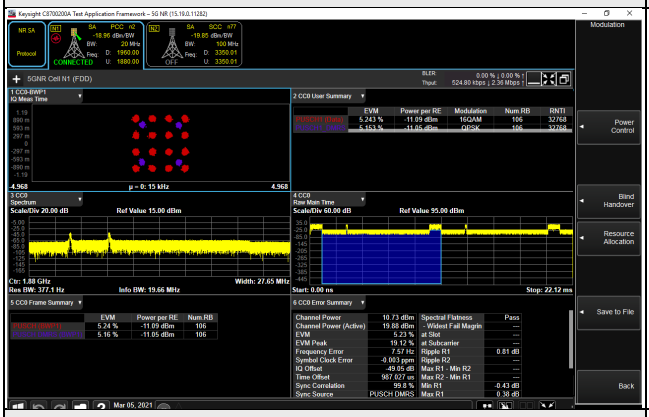
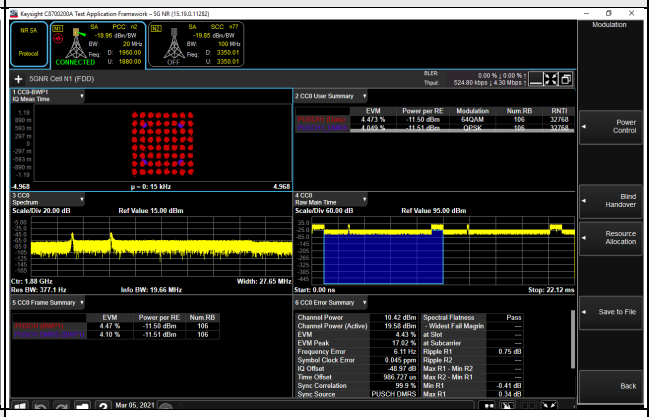
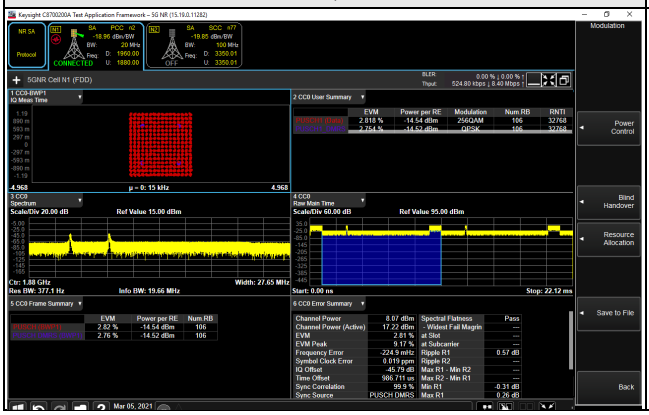
4.2.2 Test Procedure

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

n2	
Spectrum Plot of Measurement Value	
Channel: 376000 / Frequency (MHz): 1880.0MHz	
$\pi/2$ BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

4.3 Frequency Stability Measurement

4.3.1 Limits of Frequency Stabiliity Measurement

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

4.3.2 Test Procedure

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

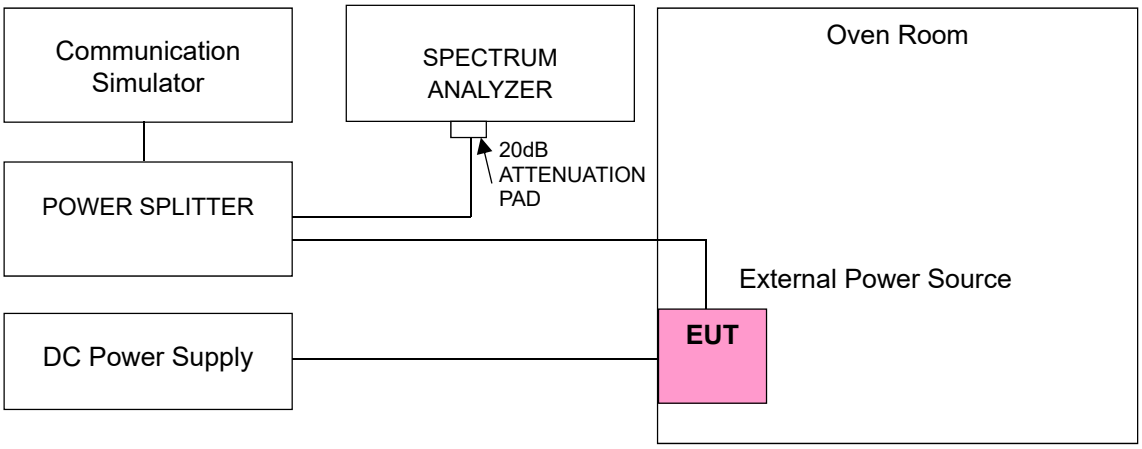
Note: The frequency error was recorded frequency error from the communication simulator.

4.3.3 Test Instruments

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

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.3.4 Conducted Setup



4.3.5 Test Results

Frequency Error vs. Voltage

Voltage (Vdc)	n2			
	Channel Bandwidth 5 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1852.500002	0.001	1907.500001	0.001
3.40	1852.500001	0.001	1907.500001	0.001
4.40	1852.500002	0.001	1907.500002	0.001

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

Frequency Error vs. Temperature

Temp. (℃)	n2			
	Channel Bandwidth 5 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1852.500004	0.002	1907.500001	0.001
-20	1852.500004	0.002	1907.500003	0.002
-10	1852.500004	0.002	1907.500002	0.001
0	1852.500004	0.002	1907.500002	0.001
10	1852.500002	0.001	1907.500002	0.001
20	1852.499998	-0.001	1907.499996	-0.002
30	1852.499998	-0.001	1907.499998	-0.001
40	1852.499998	-0.001	1907.499996	-0.002
50	1852.499999	-0.001	1907.499997	-0.002

Frequency Error vs. Voltage

Voltage (Vdc)	n2			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1855.000001	0.001	1905.000002	0.001
3.40	1855.000001	0.001	1905.000002	0.001
4.40	1855.000003	0.001	1905.000003	0.002

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

Frequency Error vs. Temperature

Temp. (℃)	n2			
	Channel Bandwidth 10 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1855.000002	0.001	1905.000003	0.002
-20	1855.000003	0.002	1905.000002	0.001
-10	1855.000003	0.001	1905.000003	0.002
0	1855.000003	0.002	1905.000002	0.001
10	1855.000002	0.001	1905.000003	0.002
20	1854.999998	-0.001	1904.999999	-0.001
30	1854.999998	-0.001	1904.999998	-0.001
40	1854.999997	-0.002	1904.999999	-0.001
50	1854.999998	-0.001	1904.999997	-0.001

Frequency Error vs. Voltage

Voltage (Vdc)	n2			
	Channel Bandwidth 15 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1857.500004	0.002	1902.500004	0.002
3.40	1857.500003	0.002	1902.500003	0.002
4.40	1857.500004	0.002	1902.500004	0.002

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

Frequency Error vs. Temperature

Temp. (℃)	n2			
	Channel Bandwidth 15 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1857.500002	0.001	1902.500002	0.001
-20	1857.500003	0.002	1902.500003	0.001
-10	1857.500004	0.002	1902.500001	0.001
0	1857.500001	0.001	1902.500002	0.001
10	1857.500001	0.001	1902.500002	0.001
20	1857.499999	-0.001	1902.499996	-0.002
30	1857.499997	-0.002	1902.499999	-0.001
40	1857.499998	-0.001	1902.499997	-0.002
50	1857.499998	-0.001	1902.499998	-0.001

Frequency Error vs. Voltage

Voltage (Vdc)	n2			
	Channel Bandwidth 20 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.85	1860.000003	0.002	1900.000003	0.002
3.40	1860.000003	0.002	1900.000002	0.001
4.40	1860.000002	0.001	1900.000001	0.001

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

Frequency Error vs. Temperature

Temp. (℃)	n2			
	Channel Bandwidth 20 MHz			
	Low Channel		High Channel	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1860.000001	0.001	1900.000004	0.002
-20	1860.000003	0.002	1900.000003	0.002
-10	1860.000003	0.002	1900.000002	0.001
0	1860.000003	0.002	1900.000001	0.001
10	1860.000003	0.002	1900.000004	0.002
20	1859.999997	-0.001	1899.999998	-0.001
30	1859.999998	-0.001	1899.999998	-0.001
40	1859.999998	-0.001	1899.999996	-0.002
50	1859.999998	-0.001	1899.999998	-0.001

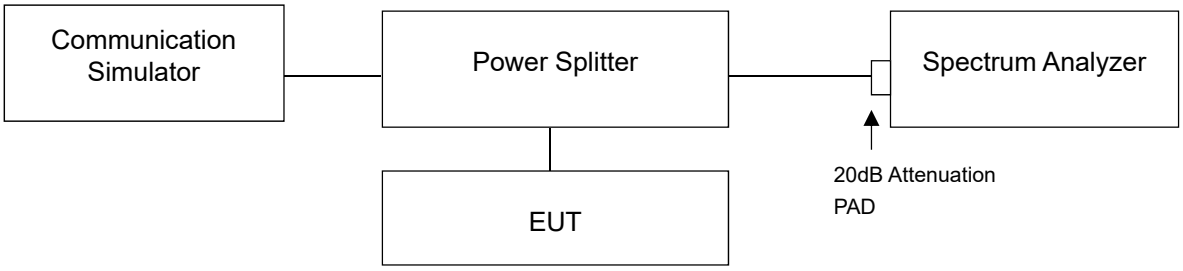
4.4 Occupied Bandwidth Measurement

4.4.1 Test Procedure

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

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

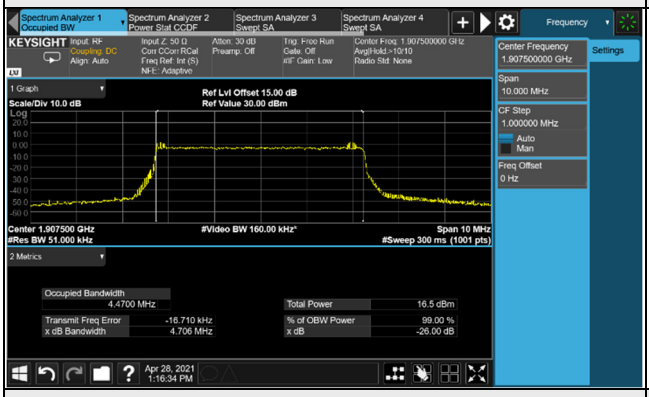
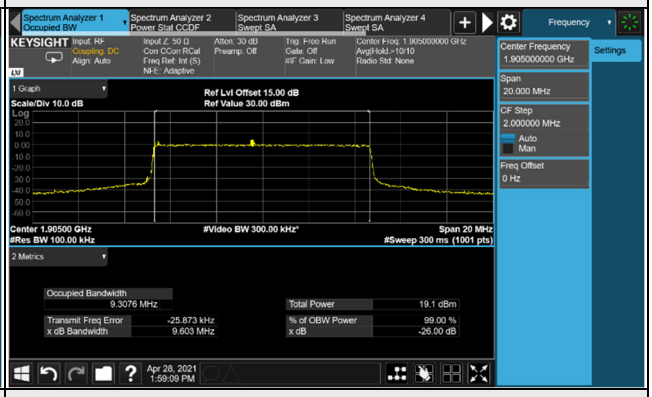
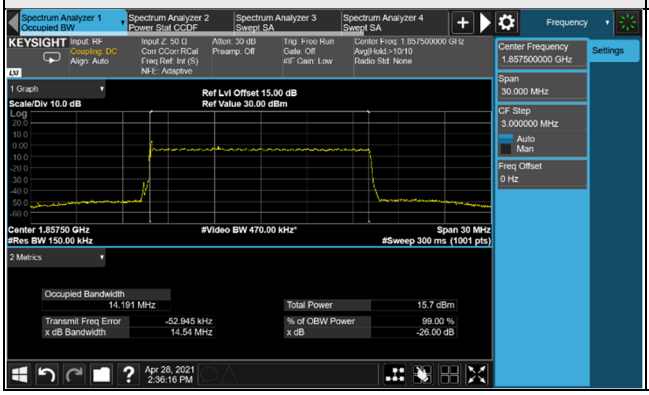
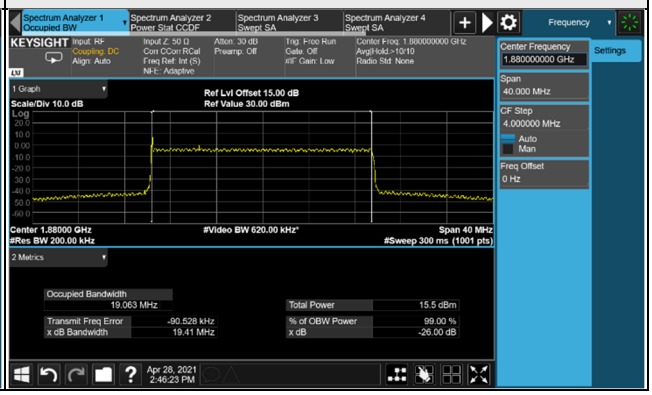
4.4.2 Test Setup



4.4.3 Test Result

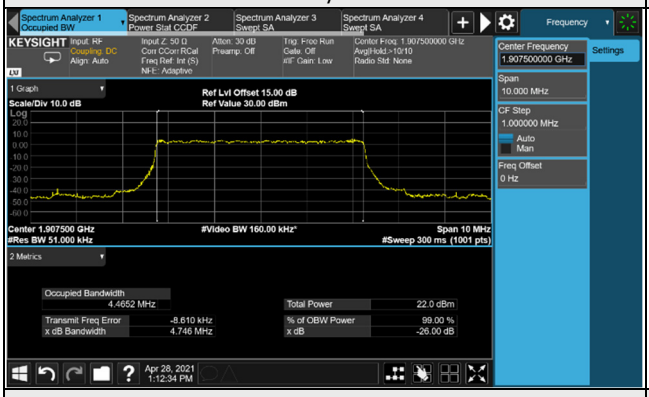
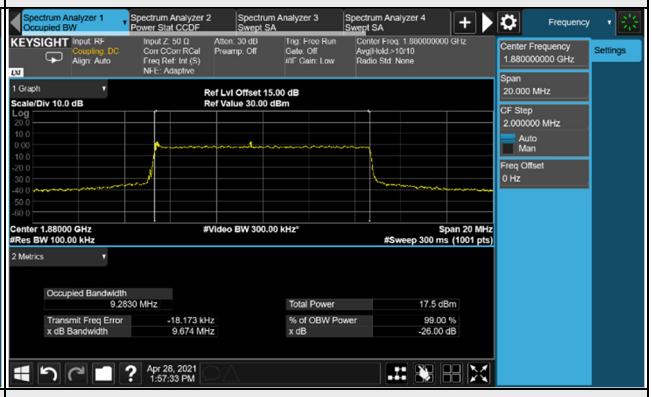
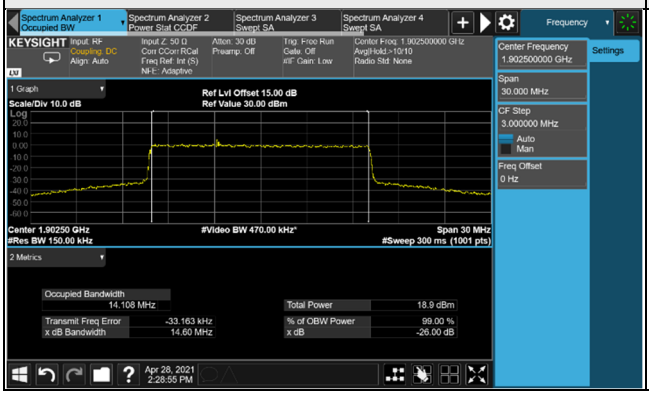
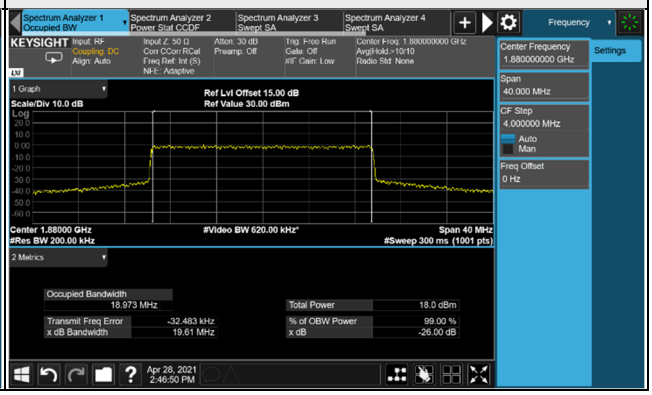
Occupied Bandwidth

n2, Channel Bandwidth: 5MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
370500	1852.5	4.46	4.46	4.46	4.47	4.46
376000	1880.0	4.46	4.46	4.46	4.47	4.46
381500	1907.5	4.46	4.47	4.47	4.47	4.47
n2, Channel Bandwidth: 10MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
371000	1855.0	8.91	9.30	9.30	9.30	9.30
376000	1880.0	8.93	9.28	9.29	9.28	9.28
381000	1905.0	8.91	9.27	9.29	9.30	9.27
n2, Channel Bandwidth: 15MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
371500	1857.5	13.44	14.09	14.13	14.15	14.19
376000	1880.0	13.41	14.18	14.16	14.16	14.15
380500	1902.5	13.38	14.08	14.13	14.10	14.11
n2, Channel Bandwidth: 20MHz						
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
372000	1860.0	17.90	18.94	18.90	18.96	18.97
376000	1880.0	17.89	19.05	19.01	18.97	19.06
380000	1900.0	17.78	18.98	18.86	19.01	18.83

Spectrum Plot of Worst Value	
5MHz / 256QAM	10MHz / 64QAM
	
15MHz / 256QAM	20MHz / 256QAM
	

26dB Bandwidth

n2, Channel Bandwidth: 5MHz						
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
370500	1852.5	4.73	4.71	4.70	4.70	4.70
376000	1880.0	4.72	4.72	4.73	4.68	4.70
381500	1907.5	4.75	4.71	4.72	4.74	4.70
n2, Channel Bandwidth: 10MHz						
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
371000	1855.0	9.26	9.66	9.58	9.58	9.56
376000	1880.0	9.24	9.61	9.58	9.67	9.57
381000	1905.0	9.24	9.58	9.59	9.60	9.60
n2, Channel Bandwidth: 15MHz						
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
371500	1857.5	13.89	14.59	14.55	14.51	14.54
376000	1880.0	13.87	14.53	14.55	14.54	14.56
380500	1902.5	13.84	14.59	14.55	14.60	14.57
n2, Channel Bandwidth: 20MHz						
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
372000	1860.0	18.46	19.53	19.55	19.48	19.48
376000	1880.0	18.53	19.54	19.48	19.61	19.41
380000	1900.0	18.41	19.56	19.46	19.49	19.39

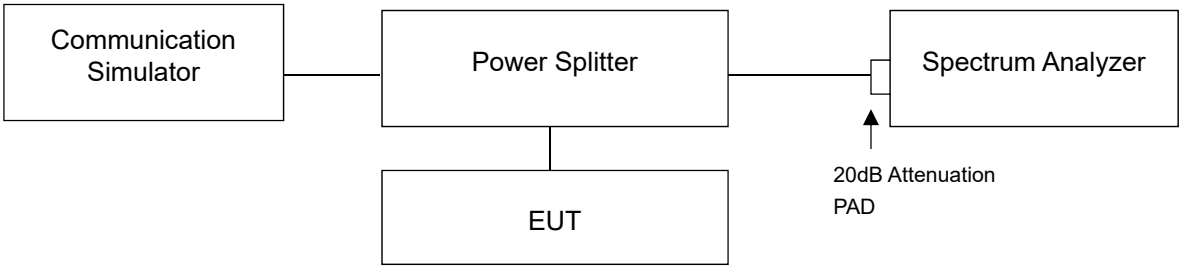
Spectrum Plot of Worst Value	
5MHz / $\pi/2$ BPSK	10MHz / 64QAM
	
15MHz / 64QAM	20MHz / 64QAM
	

4.5 Band Edge Measurement

4.5.1 Limits of Band Edge Measurement

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

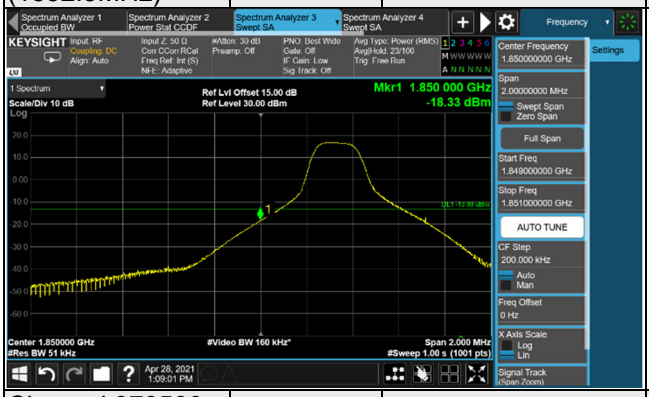
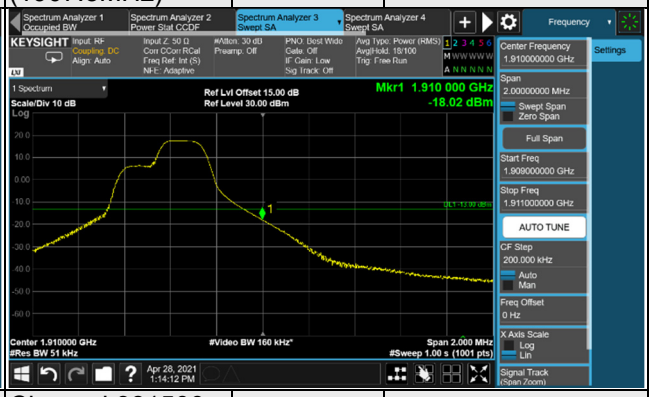
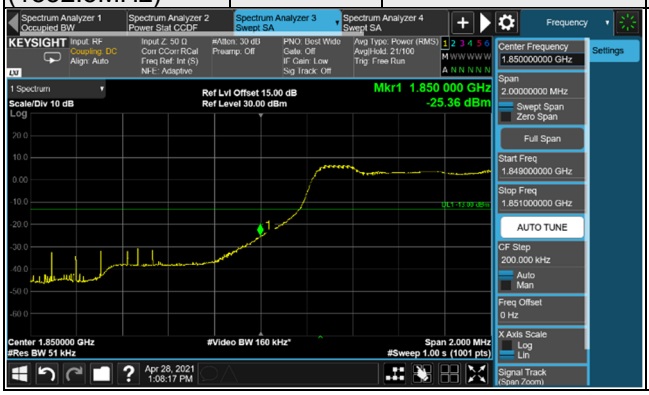
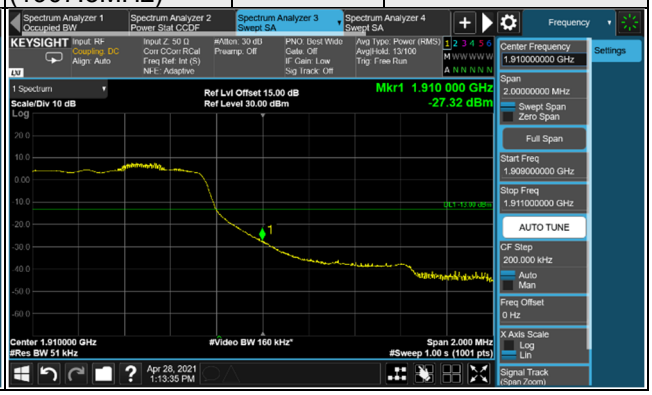
4.5.2 Test Setup

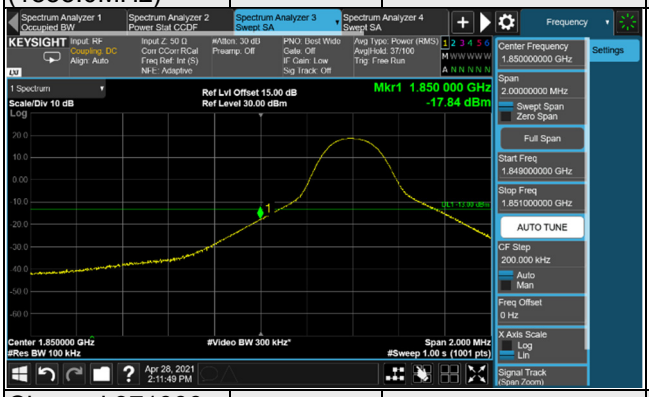
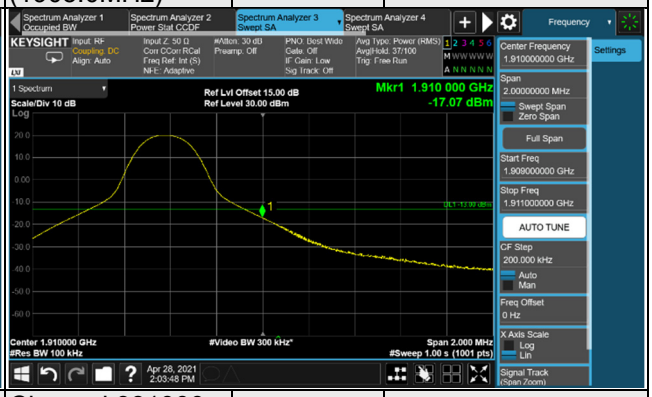
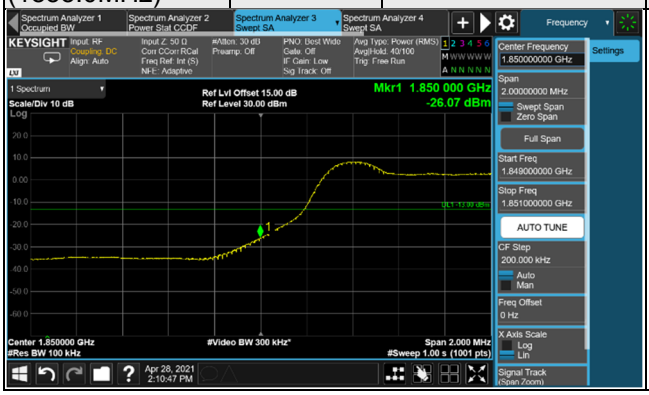
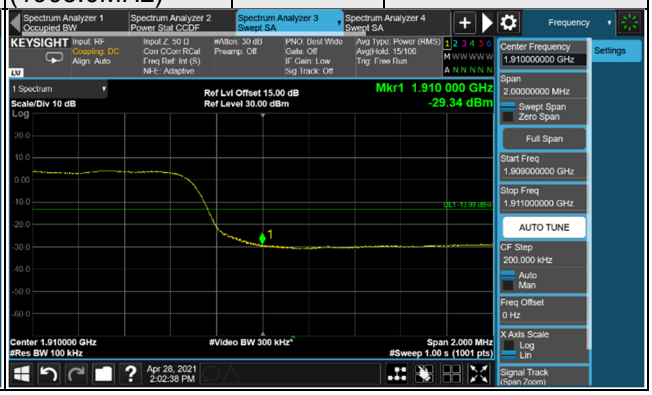


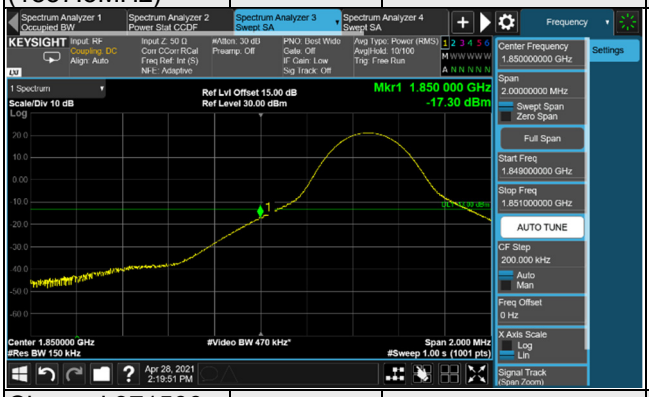
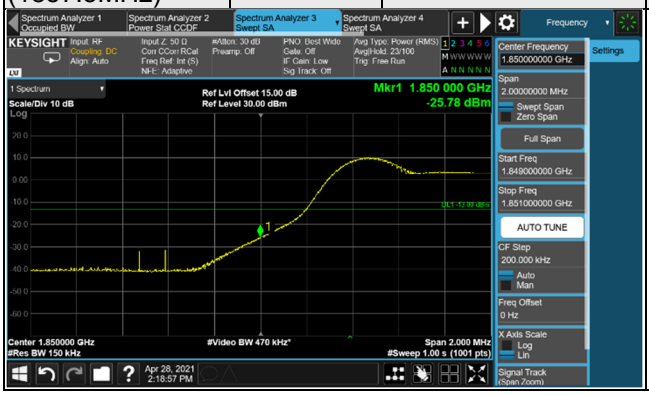
4.5.3 Test Procedures

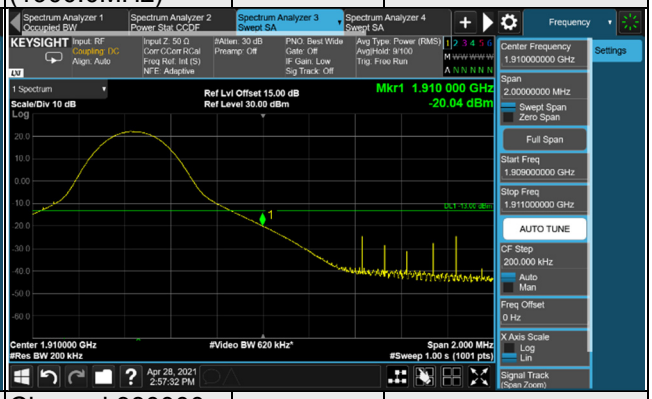
a. All measurements were done at low and high operational frequency range.
b. The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 51kHz and VB of the spectrum is 160kHz (Channel Bandwidth 5MHz).
c. The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz (Channel Bandwidth 10MHz).
d. The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 150kHz and VB of the spectrum is 470kHz (Channel Bandwidth 15MHz).
e. The center frequency of spectrum is the band edge frequency and span is 2MHz. RB of the spectrum is 200kHz and VB of the spectrum is 620kHz (Channel Bandwidth 20MHz).
f. Record the max trace plot into the test report.

4.5.4 Test Results

n2, Channel Bandwidth 5MHz					
Channel 370500 (1852.5MHz)	$\pi/2$ BPSK	1 RB / 0 RB Offset	Channel 381500 (1907.5MHz)	$\pi/2$ BPSK	1 RB / 24 RB Offset
					
Channel 370500 (1852.5MHz)	$\pi/2$ BPSK	25 RB / 0 RB Offset	Channel 381500 (1907.5MHz)	$\pi/2$ BPSK	25 RB / 0 RB Offset
					

n2, Channel Bandwidth 10MHz					
Channel 371000 (1855.0MHz)	QPSK	1 RB / 0 RB Offset	Channel 381000 (1905.0MHz)	QPSK	1 RB / 51 RB Offset
					
Channel 371000 (1855.0MHz)	QPSK	52 RB / 0 RB Offset	Channel 381000 (1905.0MHz)	QPSK	52 RB / 0 RB Offset
					

n2, Channel Bandwidth 15MHz					
Channel 371500 (1857.5MHz)	QPSK	1 RB / 0 RB Offset	Channel 380500 (1902.5MHz)	QPSK	1 RB / 78 RB Offset
					
Channel 371500 (1857.5MHz)	QPSK	79 RB / 0 RB Offset	Channel 380500 (1902.5MHz)	QPSK	79 RB / 0 RB Offset
					

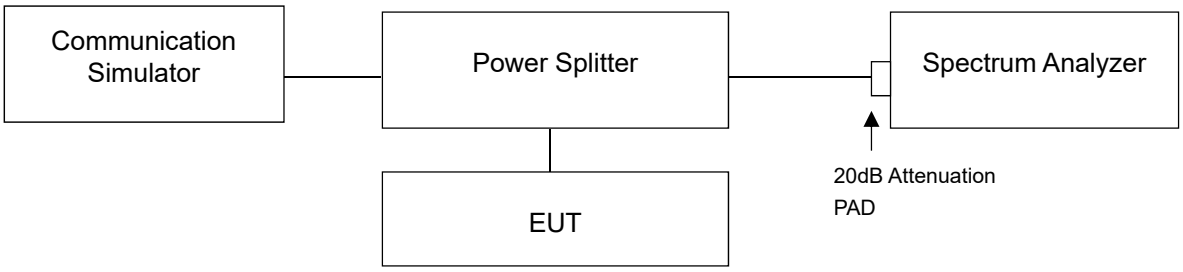
n2, Channel Bandwidth 20MHz					
Channel 372000 (1860.0MHz)	QPSK	1 RB / 0 RB Offset	Channel 380000 (1900.0MHz)	QPSK	1 RB / 105 RB Offset
					
Channel 372000 (1860.0MHz)	QPSK	106 RB / 0 RB Offset	Channel 380000 (1900.0MHz)	QPSK	106 RB / 0 RB Offset

4.6 Peak to Average Ratio

4.6.1 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

4.6.2 Test Setup



4.6.3 Test Procedures

a. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
b. Set the number of counts to a value that stabilizes the measured CCDF curve;
c. Record the maximum PAPR level associated with a probability of 0.1%.

4.6.4 Test Results

n2, Channel Bandwidth: 5MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
370500	1852.5	4.32	7.31	7.27	7.58	9.13
376000	1880.0	4.34	6.12	6.03	6.34	8.67
381500	1907.5	4.38	6.86	6.97	7.17	8.70
n2, Channel Bandwidth: 10MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
371000	1855.0	4.70	7.38	7.25	7.65	8.94
376000	1880.0	4.62	6.58	6.67	7.03	8.89
381000	1905.0	4.68	7.13	7.13	7.58	8.94
n2, Channel Bandwidth: 15MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
371500	1857.5	4.88	7.46	7.23	7.79	9.14
376000	1880.0	5.03	7.03	7.03	7.43	9.12
380500	1902.5	4.81	7.19	7.45	7.79	9.12
n2, Channel Bandwidth: 20MHz						
Channel	Frequency (MHz)	Peak To Average Ratio (dB)				
		$\pi/2$ BPSK	QPSK	16QAM	64QAM	256QAM
372000	1860.0	4.68	7.52	7.31	7.60	8.97
376000	1880.0	4.78	7.30	7.27	7.64	8.90
380000	1900.0	4.75	7.56	7.41	7.68	9.08