Partial FCC Test Report
(Part 22 – LTE B5/B26)

Report No.:	RFBDTL-WTW-P21060469-4
FCC ID:	VUI-DAV001
Test Model:	AG521R-NA
Received Date:	Feb. 15, 2022
Test Date:	Mar. 26 ~ Apr. 16, 2022
Issued Date:	May 19, 2022
Applicant:	PEGATRON CORPORATION
Address:	5F., NO. 76, LIGONG ST., BEITOU DISTRICT, TAIPEI CITY 11259, TAIWAN
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location:	No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
FCC Registration / Designation Number:	281270 / TW0032

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Release Control Record

Issue No.	Description	Date Issued
RFBDTL-WTW-P21060469-4	Original release	May 19, 2022

1 Certificate of Conformity

Product:	LTE Module
Brand:	Quectel
Test Model:	AG521R-NA
Sample Status:	PVT
Applicant:	PEGATRON CORPORATION
Test Date:	Mar. 26 ~ Apr. 16, 2022
Standards:	FCC Part 22, Subpart H

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

Prepared by : Celine Chou , **Date:** May 19, 2022

Celine Chou / Senior Specialist

Approved by : Jeremy Lin , **Date:** May 19, 2022

Jeremy Lin / Project Engineer

2 Summary of Test Results

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	N/A	Refer to Note
22.913 (d)	Peak To Average Ratio	N/A	Refer to Note
2.1055 22.355	Frequency Stability	N/A	Refer to Note
2.1049	Occupied Bandwidth	N/A	Refer to Note
22.917	Band Edge Measurements	N/A	Refer to Note
2.1051 22.917	Conducted Spurious Emissions	N/A	Refer to Note
2.1053 22.917	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -20.68dB at 59.10MHz.

Note:

1. This report is a partial report, only test item of Effective Radiated Power and Radiated Emissions were performed for this report. Other testing data please refer to MRT Technology (Suzhou) Co., Ltd. report no.: 2101RSU050-U2 V01 for module (Brand: Quectel, Model: AG521R-NA).
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	3.00 dB
	30MHz ~ 200MHz	2.91 dB
	200MHz ~1000MHz	2.93 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	1.76 dB
	18GHz ~ 40GHz	1.77 dB

2.2 Test Site and Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver KEYSIGHT	N9038B	MY60180018	Feb. 18, 2022	Feb. 17, 2023
Spectrum Analyzer KEYSIGHT	N9020B	MY60110513	Dec. 24, 2021	Dec. 23, 2022
BILOG Antenna SCHWARZBECK	VULB9168	9168-1214	Oct. 27, 2021	Oct. 26, 2022
HORN Antenna RF SPIN	DRH18-E	210101A18E	Nov. 14, 2021	Nov. 13, 2022
HORN Antenna SCHWARZBECK	BBHA 9170	9170-1049	Nov. 14, 2021	Nov. 13, 2022
Loop Antenna EMCI	EM-6879	269	Sep. 16, 2021	Sep. 15, 2022
Loop Antenna TESEQ	HLA 6121	45745	Jul. 21, 2021	Jul. 20, 2022
Preamplifier EMCI	EMC330N	980798	Jan. 17, 2022	Jan. 16, 2023
Preamplifier EMCI	EMC118A45SE	980809	Dec. 30, 2021	Dec. 29, 2022
Preamplifier EMCI	EMC184045SE	980786	Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMC104-SM-SM-(9000+3000+1000)	201244+ 201232+ 210103	Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMCCFD400-NM-NM-(9000+3000+500)	201251+ 201249+ 201248	Jan. 17, 2022	Jan. 16, 2023
RF signal cable EMCI	EMC101G-KM-KM-(5000+3000+2000)	201261+201258+201255	Jan. 17, 2022	Jan. 16, 2023
Software BV ADT	ADT_Radiated_V7.6.15.9.5	NA	NA	NA
Antenna Tower Max-Full	MFA-515BSN	NA	NA	NA
Turn Table Max-Full	MFT-201SS	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208676	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
DC Power Supply Keysight	U8002A	MY56330015	NA	NA
Spectrum Analyzer ROHDE & SCHWARZ	FSV40	100979	Mar. 29, 2021	Mar. 28, 2022
			Mar. 25, 2022	Mar. 24, 2023
Radio Communication Analyzer Anritsu	MT8820C	6201010284	Dec. 24, 2021	Dec. 23, 2022

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 WM Chamber 9.

3 General Information

3.1 General Description of EUT

Product	LTE Module			
Brand	Quectel			
Test Model	AG521R-NA			
Sample Status	PVT			
Power Supply Rating	3.3-4.3Vdc, Typical 3.8Vdc			
Modulation Type	QPSK, 16QAM, 64QAM			
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 26 (Channel Bandwidth 1.4MHz)	824.7MHz ~ 848.3MHz		
	LTE Band 26 (Channel Bandwidth 3MHz)	825.5MHz ~ 847.5MHz		
	LTE Band 26 (Channel Bandwidth 5MHz)	826.5MHz ~ 846.5MHz		
	LTE Band 26 (Channel Bandwidth 10MHz)	829.0MHz ~ 844.0MHz		
	LTE Band 26 (Channel Bandwidth 15MHz)	831.5MHz ~ 841.5MHz		
Max. ERP Power (EUT + Antenna 1 (Main Source))		QPSK	16QAM	64QAM
	LTE Band 5 (Channel Bandwidth 1.4MHz)	161.065mW (22.07dBm)	131.522mW (21.19dBm)	102.565mW (20.11dBm)
	LTE Band 5 (Channel Bandwidth 3MHz)	162.181mW (22.10dBm)	125.893mW (21.00dBm)	103.753mW (20.16dBm)
	LTE Band 5 (Channel Bandwidth 5MHz)	157.398mW (21.97dBm)	127.350mW (21.05dBm)	102.329mW (20.10dBm)
	LTE Band 5 (Channel Bandwidth 10MHz)	165.959mW (22.20dBm)	134.586mW (21.29dBm)	105.925mW (20.25dBm)
	LTE Band 26 (Channel Bandwidth 1.4MHz)	166.341mW (22.21dBm)	128.825mW (21.10dBm)	103.276mW (20.14dBm)
	LTE Band 26 (Channel Bandwidth 3MHz)	159.221mW (22.02dBm)	130.617mW (21.16dBm)	107.152mW (20.30dBm)
	LTE Band 26 (Channel Bandwidth 5MHz)	162.930mW (22.12dBm)	134.276mW (21.28dBm)	107.647mW (20.32dBm)
	LTE Band 26 (Channel Bandwidth 10MHz)	161.808mW (22.09dBm)	133.045mW (21.24dBm)	106.660mW (20.28dBm)
	LTE Band 26 (Channel Bandwidth 15MHz)	170.216mW (22.31dBm)	136.458mW (21.35dBm)	110.662mW (20.44dBm)

Max. ERP Power (EUT + Antenna 2 (2nd Source))		QPSK	16QAM	64QAM
	LTE Band 5 (Channel Bandwidth 1.4MHz)	164.437mW (22.16dBm)	132.130mW (21.21dBm)	103.039mW (20.13dBm)
	LTE Band 5 (Channel Bandwidth 3MHz)	162.181mW (22.10dBm)	126.183mW (21.01dBm)	104.232mW (20.18dBm)
	LTE Band 5 (Channel Bandwidth 5MHz)	164.816mW (22.17dBm)	133.352mW (21.25dBm)	110.408mW (20.43dBm)
	LTE Band 5 (Channel Bandwidth 10MHz)	171.002mW (22.33dBm)	130.617mW (21.16dBm)	102.094mW (20.09dBm)
	LTE Band 26 (Channel Bandwidth 1.4MHz)	178.649mW (22.52dBm)	141.906mW (21.52dBm)	116.681mW (20.67dBm)
	LTE Band 26 (Channel Bandwidth 3MHz)	172.584mW (22.37dBm)	135.831mW (21.33dBm)	112.202mW (20.50dBm)
	LTE Band 26 (Channel Bandwidth 5MHz)	171.791mW (22.35dBm)	135.207mW (21.31dBm)	112.460mW (20.51dBm)
	LTE Band 26 (Channel Bandwidth 10MHz)	178.238mW (22.51dBm)	135.519mW (21.32dBm)	112.720mW (20.52dBm)
	LTE Band 26 (Channel Bandwidth 15MHz)	183.654mW (22.64dBm)	145.211mW (21.62dBm)	112.720mW (20.52dBm)
Max. ERP Power (EUT + Antenna 3)		QPSK	16QAM	64QAM
	LTE Band 5 (Channel Bandwidth 1.4MHz)	157.761mW (21.98dBm)	123.595mW (20.92dBm)	96.828mW (19.86dBm)
	LTE Band 5 (Channel Bandwidth 3MHz)	157.761mW (21.98dBm)	127.350mW (21.05dBm)	103.514mW (20.15dBm)
	LTE Band 5 (Channel Bandwidth 5MHz)	158.125mW (21.99dBm)	126.183mW (21.01dBm)	96.383mW (19.84dBm)
	LTE Band 5 (Channel Bandwidth 10MHz)	162.181mW (22.10dBm)	129.718mW (21.13dBm)	104.954mW (20.21dBm)
	LTE Band 26 (Channel Bandwidth 1.4MHz)	152.757mW (21.84dBm)	121.339mW (20.84dBm)	93.111mW (19.69dBm)
	LTE Band 26 (Channel Bandwidth 3MHz)	154.882mW (21.90dBm)	121.060mW (20.83dBm)	100.231mW (20.01dBm)
	LTE Band 26 (Channel Bandwidth 5MHz)	153.462mW (21.86dBm)	127.057mW (21.04dBm)	101.158mW (20.05dBm)
	LTE Band 26 (Channel Bandwidth 10MHz)	153.462mW (21.86dBm)	122.744mW (20.89dBm)	101.158mW (20.05dBm)
	LTE Band 26 (Channel Bandwidth 15MHz)	158.489mW (22.00dBm)	124.738mW (20.96dBm)	95.060mW (19.78dBm)
Antenna Type	Refer to note			
Antenna Connector	Refer to note			
Accessory Device	NA			
Cable Supplied	NA			

Note:

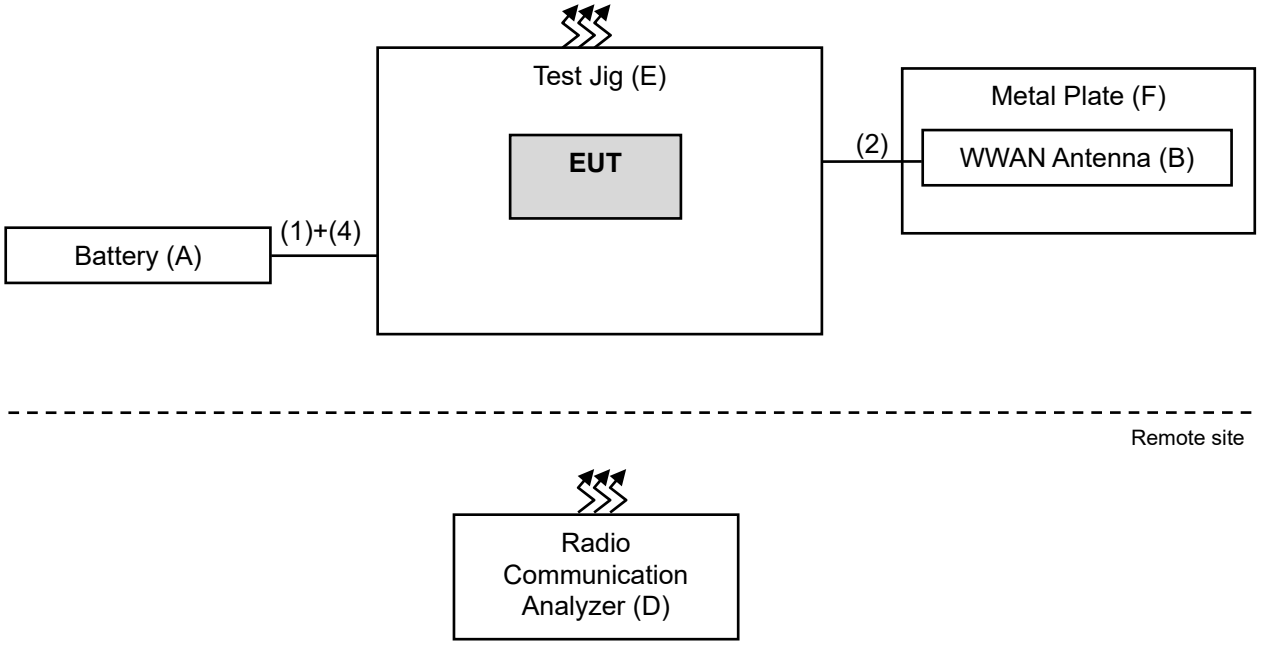
1. The differences compared with the original report are added antennas. Only test item of Effective Radiated Power and Radiated Emissions were performed for this report. Other testing data please refer to MRT Technology (Suzhou) Co., Ltd. report no.: 2101RSU050-U6 V01 for module (Brand: Quectel, Model: AG521R-NA).
2. The antenna information for new antenna is listed as below.

Type	Connector	Ant. No.		Gain (dBi)										
				LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B13	LTE B14	LTE B25	LTE B26	LTE B66	LTE B71
Multi-Band Monopole	Fakra	Antenna 1 (Main Source)	85004262 LTE_Primary	**4.22**	2.47	**3.16**	**4.47**	**2.78**	**2.94**	**3.08**	**4.22**	**3.16**	2.47	**2.78**
			85004262 LTE_Secondary	3.50	**3.31**	2.39	3.80	1.86	2.02	2.06	3.50	2.39	**3.31**	1.87
		Antenna 2 (2nd Source)	85004262 LTE_Primary	**4.22**	2.47	**3.16**	**4.47**	**2.78**	**2.94**	**3.08**	**4.22**	**3.16**	2.47	**2.78**
			85004262 LTE_Secondary	3.50	**3.31**	2.39	3.80	1.86	2.02	2.06	3.50	2.39	**3.31**	1.87
		Antenna 3	85004261 LTE/GNSS_Primary	**4.22**	2.47	**3.16**	**4.47**	**2.78**	**2.94**	**3.08**	**4.22**	**3.16**	2.47	**2.78**
			85004261 LTE/GNSS_Secondary	3.50	**3.31**	2.39	3.80	1.86	2.02	2.06	3.50	2.39	**3.31**	1.87

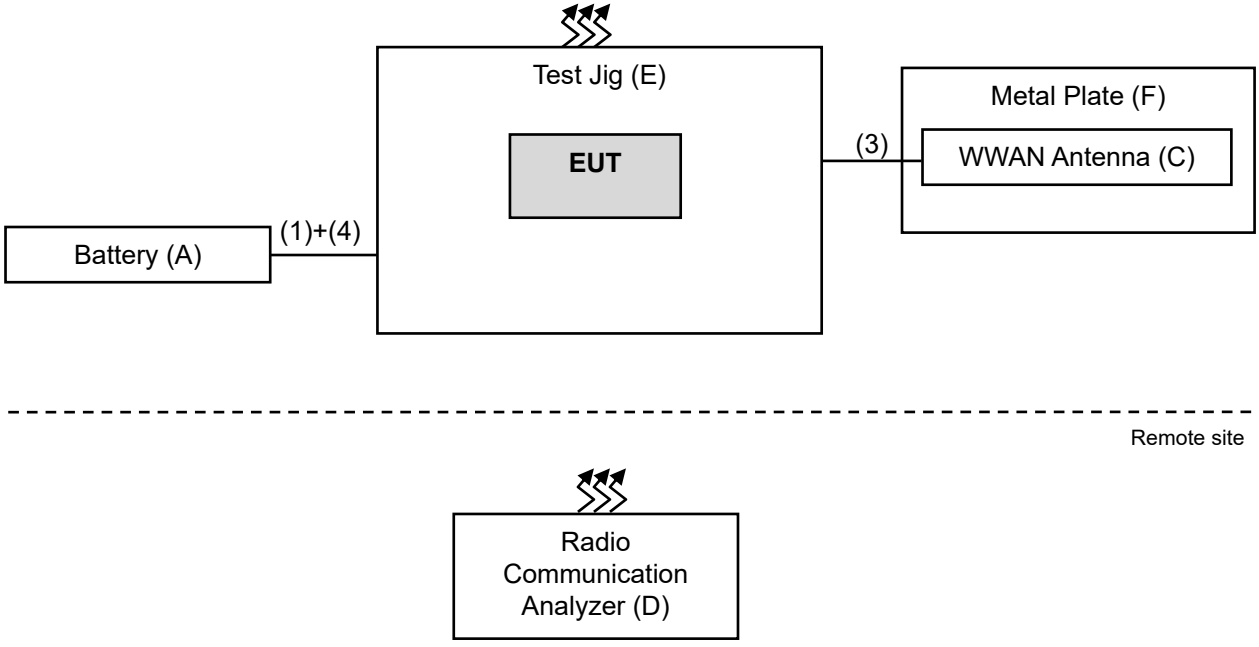
* Antenna 2 was provided by the manufacturer for verified test.
* max. gain for each band was chosen to final test.
* The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3.2 Configuration of System under Test

EUT + Antenna 1 (Main Source) and EUT + Antenna 2 (2nd Source)



EUT + Antenna 3



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.	Battery	YUASA	75D23R-CMF II	NA	NA	-
B.	WWAN Antenna	Continental	85004262	NA	NA	Provided by client
C.	WWAN Antenna	Continental	85004261	NA	NA	Provided by client
D.	Radio Communication Analyzer	Anritsu	MT8821C	6261806803	NA	-
E.	Test Jig		84945296C	NA	NA	Provided by client
F.	Metal Plate	NA	NA	NA	NA	Provided by client

Note:

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

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	Power cable	1	2	N	0	Provided by client 2M (With Power Supply 0.85M Cable, 0.3M Cable, 1.8M Cable)
2.	Rosenberger Harness_TANG LTE	2	2.35	N	0	Provided by client
3.	Rosenberger Harness_TANG LTE/GNSS	1	2.35	N	0	Provided by client
4.	Power cable	1	2	N	0	-

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 EUT was positioned on the X-plane during testing. Following channel(s) was (were) selected for the final test as listed below.

LTE Band 5

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

Note:

1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521-1 Section 6.6.3.1.4.1, choose the lowest, 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM and 64QAM, measured value of QPSK is higher than 16QAM, and 64QAM mode. Therefore, Radiated Emission was performed under QPSK mode according to the maximum output power.

LTE Band 26

EUT Configure Mode	Test item	Available channel	Tested channel	Channel Bandwidth	Modulation	RB #
-	ERP	26797 to 27033	26797 (824.7MHz), 26915 (836.5MHz), 27033 (848.3MHz)	1.4MHz	QPSK / 16QAM / 64QAM	1
		26805 to 27025	26805 (825.5MHz), 26915 (836.5MHz), 27025 (847.5MHz)	3MHz	QPSK / 16QAM / 64QAM	1
		26815 to 27015	26815 (826.5MHz), 26915 (836.5MHz), 27015 (846.5MHz)	5MHz	QPSK / 16QAM / 64QAM	1
		26840 to 26990	26840 (829MHz), 26915 (836.5MHz), 26990 (844MHz)	10MHz	QPSK / 16QAM / 64QAM	1
		26865 to 26965	26865 (831.5MHz), 26915 (836.5MHz), 26965 (841.5MHz)	15MHz	QPSK / 16QAM / 64QAM	1
-	Radiated Emission Below 1GHz	26865 to 26965	26915 (836.5MHz)	15MHz	QPSK	1
-	Radiated Emission Above 1GHz	26797 to 27033	26797 (824.7MHz), 26915 (836.5MHz), 27033 (848.3MHz)	1.4MHz	QPSK	1
		26815 to 27015	26815 (826.5MHz), 26915 (836.5MHz), 27015 (846.5MHz)	5MHz	QPSK	1
		26865 to 26965	26865 (831.5MHz), 26915 (836.5MHz), 26965 (841.5MHz)	15MHz	QPSK	1

Note:
1. For radiated emission below 1GHz, select the worst radiated emission channel (above 1GHz) for final testing.
2. For radiated emission above 1GHz, according to 3GPP 36.521-1 Section 6.6.3.1.4.1, choose the lowest, 5MHz & highest channel bandwidth for final test.
3. The output power for QPSK, 16QAM and 64QAM, measured value of QPSK is higher than 16QAM, and 64QAM mode. Therefore, Radiated Emission was performed under QPSK mode according to the maximum output power.

Test Condition:

Test Item	Environmental Conditions	Input Power (System)	Tested By
ERP	21deg. C, 67%RH	12Vdc	Edison Lee Tim Chen
Radiated Emission	21deg. C, 67%RH	12Vdc	Edison Lee Tim Chen

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

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

References Test Guidance:

KDB 971168 D01 Power Meas License Digital Systems v03r01

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

Mobile / Portable station are limited to 7 watts e.r.p.

4.1.2 Test Procedures

EIRP / ERP Measurement:

a. 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.

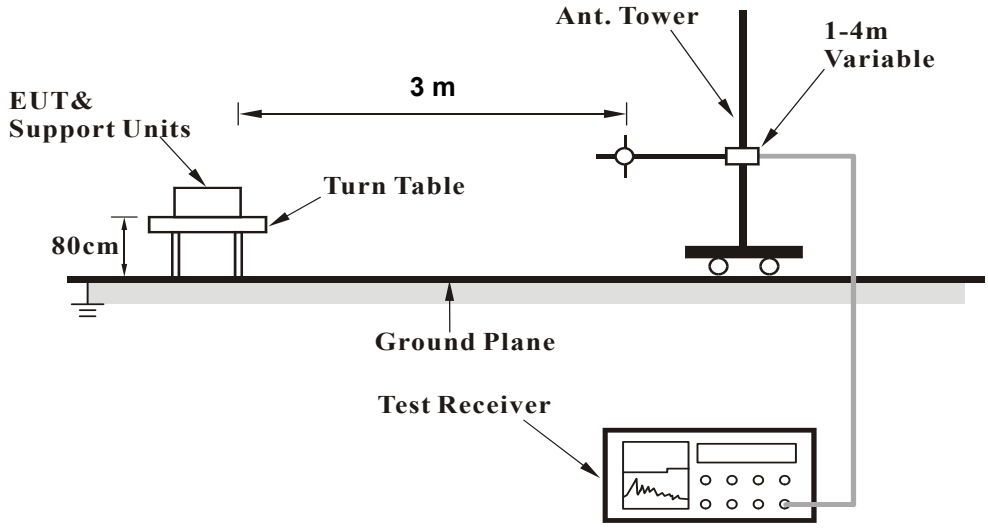
b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

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.

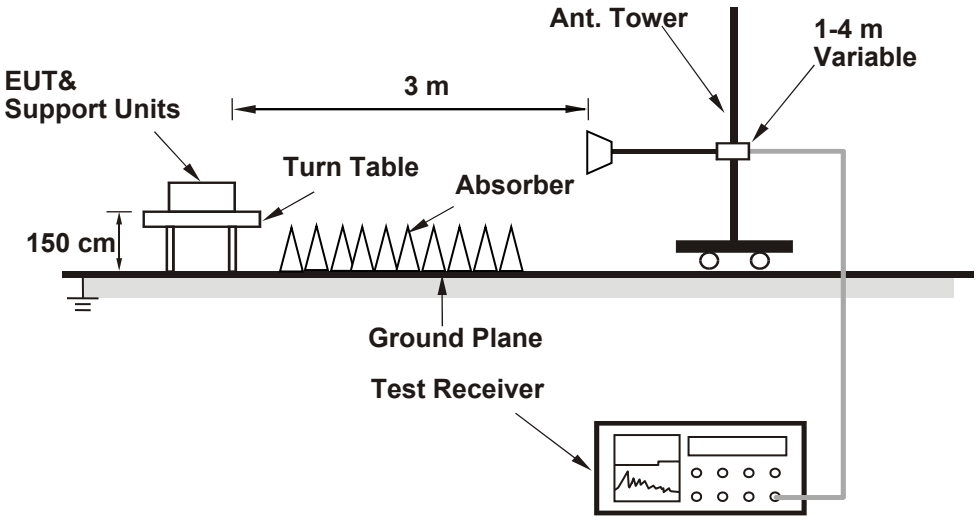
d. Following C63.26 section 5.5 and 5.2.7
   - EIRP (dBm) = E (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.
   - ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

4.1.3 Test Setup

EIRP / ERP Measurement:
<Radiated Emission below or equal 1 GHz>



<Radiated Emission above 1 GHz>



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

4.1.4 Test Results

ERP Power (dBm)

EUT + Antenna 1 (Main Source)

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	18.06	38.45	-20.39	2.07 H	353	91.38	-73.32
2	836.50	18.30	38.45	-20.15	2.14 H	359	91.40	-73.10
3	848.30	18.13	38.45	-20.32	2.05 H	360	91.32	-73.19
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	21.85	38.45	-16.60	1.89 V	21	95.17	-73.32
2	836.50	22.07	38.45	-16.38	1.90 V	22	95.17	-73.10
3	848.30	21.85	38.45	-16.60	1.87 V	16	95.04	-73.19

Remarks:

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

LTE Band 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	17.99	38.45	-20.46	2.09 H	360	91.31	-73.32
2	836.50	18.17	38.45	-20.28	2.14 H	359	91.27	-73.10
3	847.50	18.12	38.45	-20.33	2.06 H	358	91.33	-73.21
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	21.69	38.45	-16.76	1.90 V	20	95.01	-73.32
2	836.50	22.10	38.45	-16.35	1.82 V	18	95.20	-73.10
3	847.50	21.90	38.45	-16.55	1.83 V	19	95.11	-73.21

Remarks:

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

LTE Band 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	18.01	38.45	-20.44	2.09 H	359	91.30	-73.29
2	836.50	18.33	38.45	-20.12	2.15 H	360	91.43	-73.10
3	846.50	18.09	38.45	-20.36	2.07 H	355	91.31	-73.22
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	21.78	38.45	-16.67	1.87 V	17	95.07	-73.29
2	836.50	21.97	38.45	-16.48	1.88 V	15	95.07	-73.10
3	846.50	21.90	38.45	-16.55	1.84 V	21	95.12	-73.22

Remarks:

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

LTE Band 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	18.05	38.45	-20.40	2.15 H	358	91.31	-73.26
2	836.50	18.46	38.45	-19.99	2.11 H	359	91.56	-73.10
3	844.00	18.10	38.45	-20.35	2.09 H	360	91.32	-73.22
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	21.75	38.45	-16.70	1.88 V	18	95.01	-73.26
2	836.50	22.20	38.45	-16.25	1.86 V	17	95.30	-73.10
3	844.00	21.81	38.45	-16.64	1.89 V	22	95.03	-73.22

Remarks:

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

Modulation Type: 16QAM

LTE Band 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	16.97	38.45	-21.48	2.11 H	360	90.29	-73.32
2	836.50	17.46	38.45	-20.99	2.11 H	358	90.56	-73.10
3	848.30	16.95	38.45	-21.50	2.11 H	354	90.14	-73.19
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	20.81	38.45	-17.64	1.82 V	18	94.13	-73.32
2	836.50	21.19	38.45	-17.26	1.87 V	17	94.29	-73.10
3	848.30	20.87	38.45	-17.58	1.89 V	16	94.06	-73.19

Remarks:

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

LTE Band 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	16.93	38.45	-21.52	2.10 H	351	90.25	-73.32
2	836.50	17.11	38.45	-21.34	2.12 H	358	90.21	-73.10
3	847.50	16.95	38.45	-21.50	2.14 H	358	90.16	-73.21
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	20.80	38.45	-17.65	1.82 V	15	94.12	-73.32
2	836.50	21.00	38.45	-17.45	1.85 V	16	94.10	-73.10
3	847.50	20.79	38.45	-17.66	1.84 V	17	94.00	-73.21

Remarks:

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

LTE Band 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	17.10	38.45	-21.35	2.14 H	354	90.39	-73.29
2	836.50	17.27	38.45	-21.18	2.08 H	358	90.37	-73.10
3	846.50	17.09	38.45	-21.36	2.08 H	353	90.31	-73.22
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	20.96	38.45	-17.49	1.83 V	22	94.25	-73.29
2	836.50	21.05	38.45	-17.40	1.82 V	20	94.15	-73.10
3	846.50	20.81	38.45	-17.64	1.87 V	21	94.03	-73.22

Remarks:

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

LTE Band 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	17.04	38.45	-21.41	2.09 H	358	90.30	-73.26
2	836.50	17.51	38.45	-20.94	2.06 H	354	90.61	-73.10
3	844.00	17.11	38.45	-21.34	2.13 H	358	90.33	-73.22
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	20.64	38.45	-17.81	1.85 V	17	93.90	-73.26
2	836.50	21.29	38.45	-17.16	1.90 V	21	94.39	-73.10
3	844.00	20.84	38.45	-17.61	1.85 V	18	94.06	-73.22

Remarks:

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

Modulation Type: 64QAM

LTE Band 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	16.04	38.45	-22.41	2.06 H	359	89.36	-73.32
2	836.50	16.53	38.45	-21.92	2.05 H	357	89.63	-73.10
3	848.30	15.98	38.45	-22.47	2.11 H	357	89.17	-73.19
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	19.75	38.45	-18.70	1.90 V	22	93.07	-73.32
2	836.50	20.11	38.45	-18.34	1.87 V	19	93.21	-73.10
3	848.30	20.02	38.45	-18.43	1.80 V	22	93.21	-73.19

Remarks:

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

LTE Band 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	16.09	38.45	-22.36	2.05 H	360	89.41	-73.32
2	836.50	16.26	38.45	-22.19	2.10 H	354	89.36	-73.10
3	847.50	15.87	38.45	-22.58	2.06 H	359	89.08	-73.21
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	19.80	38.45	-18.65	1.82 V	16	93.12	-73.32
2	836.50	20.16	38.45	-18.29	1.86 V	15	93.26	-73.10
3	847.50	19.98	38.45	-18.47	1.85 V	15	93.19	-73.21

Remarks:

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

LTE Band 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	16.03	38.45	-22.42	2.10 H	357	89.32	-73.29
2	836.50	16.29	38.45	-22.16	2.10 H	360	89.39	-73.10
3	846.50	15.95	38.45	-22.50	2.15 H	359	89.17	-73.22
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	20.10	38.45	-18.35	1.85 V	22	93.39	-73.29
2	836.50	19.97	38.45	-18.48	1.90 V	17	93.07	-73.10
3	846.50	19.67	38.45	-18.78	1.89 V	21	92.89	-73.22

Remarks:

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

LTE Band 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	16.06	38.45	-22.39	2.11 H	360	89.32	-73.26
2	836.50	16.50	38.45	-21.95	2.13 H	352	89.60	-73.10
3	844.00	16.02	38.45	-22.43	2.07 H	358	89.24	-73.22
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	19.82	38.45	-18.63	1.90 V	19	93.08	-73.26
2	836.50	20.25	38.45	-18.20	1.81 V	18	93.35	-73.10
3	844.00	19.73	38.45	-18.72	1.90 V	17	92.95	-73.22

Remarks:

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

Modulation Type: QPSK

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	11.88	38.45	-26.57	1.43 H	65	85.20	-73.32
2	836.50	12.00	38.45	-26.45	1.43 H	63	85.10	-73.10
3	848.30	11.90	38.45	-26.55	1.37 H	60	85.09	-73.19
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	21.98	38.45	-16.47	1.62 V	218	95.30	-73.32
2	836.50	22.21	38.45	-16.24	1.68 V	219	95.31	-73.10
3	848.30	22.11	38.45	-16.34	1.61 V	216	95.30	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	11.88	38.45	-26.57	1.40 H	62	85.20	-73.32
2	836.50	12.00	38.45	-26.45	1.40 H	62	85.10	-73.10
3	847.50	12.02	38.45	-26.43	1.45 H	66	85.23	-73.21
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	21.84	38.45	-16.61	1.70 V	219	95.16	-73.32
2	836.50	22.02	38.45	-16.43	1.71 V	216	95.12	-73.10
3	847.50	21.97	38.45	-16.48	1.68 V	219	95.18	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	12.00	38.45	-26.45	1.47 H	62	85.29	-73.29
2	836.50	12.07	38.45	-26.38	1.44 H	66	85.17	-73.10
3	846.50	11.88	38.45	-26.57	1.38 H	65	85.10	-73.22
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	21.98	38.45	-16.47	1.69 V	220	95.27	-73.29
2	836.50	22.12	38.45	-16.33	1.64 V	217	95.22	-73.10
3	846.50	22.02	38.45	-16.43	1.65 V	221	95.24	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	11.89	38.45	-26.56	1.38 H	61	85.15	-73.26
2	836.50	12.07	38.45	-26.38	1.45 H	65	85.17	-73.10
3	844.00	11.91	38.45	-26.54	1.43 H	66	85.13	-73.22
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	22.03	38.45	-16.42	1.64 V	217	95.29	-73.26
2	836.50	22.09	38.45	-16.36	1.69 V	217	95.19	-73.10
3	844.00	22.06	38.45	-16.39	1.71 V	214	95.28	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	11.98	38.45	-26.47	1.43 H	66	85.18	-73.20
2	836.50	12.29	38.45	-26.16	1.43 H	63	85.39	-73.10
3	841.50	12.03	38.45	-26.42	1.44 H	65	85.19	-73.16
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	831.50	22.06	38.45	-16.39	1.63 V	221	95.26	-73.20
2	836.50	22.31	38.45	-16.14	1.70 V	217	95.41	-73.10
3	841.50	22.15	38.45	-16.30	1.70 V	217	95.31	-73.16

Remarks:

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

Modulation Type: 16QAM

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	10.74	38.45	-27.71	1.45 H	65	84.06	-73.32
2	836.50	11.20	38.45	-27.25	1.37 H	62	84.30	-73.10
3	848.30	10.93	38.45	-27.52	1.43 H	64	84.12	-73.19
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	21.04	38.45	-17.41	1.64 V	217	94.36	-73.32
2	836.50	21.10	38.45	-17.35	1.62 V	217	94.20	-73.10
3	848.30	21.10	38.45	-17.35	1.62 V	219	94.29	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	10.95	38.45	-27.50	1.39 H	62	84.27	-73.32
2	836.50	11.10	38.45	-27.35	1.43 H	60	84.20	-73.10
3	847.50	11.01	38.45	-27.44	1.45 H	63	84.22	-73.21
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	20.83	38.45	-17.62	1.61 V	221	94.15	-73.32
2	836.50	21.16	38.45	-17.29	1.65 V	219	94.26	-73.10
3	847.50	21.13	38.45	-17.32	1.62 V	221	94.34	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	11.07	38.45	-27.38	1.43 H	65	84.36	-73.29
2	836.50	10.96	38.45	-27.49	1.42 H	59	84.06	-73.10
3	846.50	11.03	38.45	-27.42	1.40 H	62	84.25	-73.22
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	20.87	38.45	-17.58	1.67 V	217	94.16	-73.29
2	836.50	21.28	38.45	-17.17	1.69 V	218	94.38	-73.10
3	846.50	20.86	38.45	-17.59	1.63 V	217	94.08	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	10.89	38.45	-27.56	1.42 H	66	84.15	-73.26
2	836.50	11.14	38.45	-27.31	1.47 H	62	84.24	-73.10
3	844.00	10.84	38.45	-27.61	1.44 H	59	84.06	-73.22
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	20.98	38.45	-17.47	1.71 V	216	94.24	-73.26
2	836.50	20.90	38.45	-17.55	1.66 V	216	94.00	-73.10
3	844.00	21.24	38.45	-17.21	1.65 V	215	94.46	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	11.18	38.45	-27.27	1.47 H	65	84.38	-73.20
2	836.50	11.23	38.45	-27.22	1.37 H	64	84.33	-73.10
3	841.50	10.93	38.45	-27.52	1.42 H	60	84.09	-73.16
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	831.50	20.87	38.45	-17.58	1.64 V	220	94.07	-73.20
2	836.50	21.25	38.45	-17.20	1.66 V	219	94.35	-73.10
3	841.50	21.35	38.45	-17.10	1.61 V	221	94.51	-73.16

Remarks:

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

Modulation Type: 64QAM

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	9.55	38.45	-28.90	1.44 H	65	82.87	-73.32
2	836.50	10.06	38.45	-28.39	1.39 H	59	83.16	-73.10
3	848.30	9.81	38.45	-28.64	1.43 H	66	83.00	-73.19
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	20.03	38.45	-18.42	1.68 V	221	93.35	-73.32
2	836.50	20.07	38.45	-18.38	1.74 V	217	93.17	-73.10
3	848.30	20.14	38.45	-18.31	1.63 V	214	93.33	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	10.10	38.45	-28.35	1.39 H	65	83.42	-73.32
2	836.50	10.28	38.45	-28.17	1.42 H	60	83.38	-73.10
3	847.50	10.19	38.45	-28.26	1.42 H	63	83.40	-73.21
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	19.98	38.45	-18.47	1.62 V	219	93.30	-73.32
2	836.50	20.30	38.45	-18.15	1.71 V	215	93.40	-73.10
3	847.50	19.99	38.45	-18.46	1.71 V	218	93.20	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	9.92	38.45	-28.53	1.41 H	64	83.21	-73.29
2	836.50	10.08	38.45	-28.37	1.43 H	62	83.18	-73.10
3	846.50	9.93	38.45	-28.52	1.38 H	62	83.15	-73.22
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	20.02	38.45	-18.43	1.66 V	215	93.31	-73.29
2	836.50	20.32	38.45	-18.13	1.67 V	215	93.42	-73.10
3	846.50	19.93	38.45	-18.52	1.63 V	219	93.15	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	9.69	38.45	-28.76	1.46 H	61	82.95	-73.26
2	836.50	9.94	38.45	-28.51	1.45 H	65	83.04	-73.10
3	844.00	9.75	38.45	-28.70	1.46 H	64	82.97	-73.22
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	20.14	38.45	-18.31	1.69 V	214	93.40	-73.26
2	836.50	20.00	38.45	-18.45	1.69 V	220	93.10	-73.10
3	844.00	20.28	38.45	-18.17	1.61 V	217	93.50	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	10.09	38.45	-28.36	1.41 H	64	83.29	-73.20
2	836.50	10.34	38.45	-28.11	1.44 H	59	83.44	-73.10
3	841.50	9.76	38.45	-28.69	1.47 H	62	82.92	-73.16
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	831.50	19.90	38.45	-18.55	1.70 V	215	93.10	-73.20
2	836.50	20.28	38.45	-18.17	1.62 V	220	93.38	-73.10
3	841.50	20.44	38.45	-18.01	1.65 V	219	93.60	-73.16

Remarks:

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

EUT + Antenna 2 (2nd Source)

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	18.65	38.45	-19.80	2.38 H	300	91.97	-73.32
2	836.50	18.80	38.45	-19.65	2.36 H	303	91.90	-73.10
3	848.30	18.69	38.45	-19.76	2.43 H	300	91.88	-73.19
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	21.87	38.45	-16.58	1.72 V	155	95.19	-73.32
2	836.50	22.16	38.45	-16.29	1.77 V	151	95.26	-73.10
3	848.30	21.99	38.45	-16.46	1.75 V	153	95.18	-73.19

Remarks:

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

LTE Band 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	18.54	38.45	-19.91	2.42 H	303	91.86	-73.32
2	836.50	18.89	38.45	-19.56	2.38 H	299	91.99	-73.10
3	847.50	18.68	38.45	-19.77	2.35 H	305	91.89	-73.21
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	21.82	38.45	-16.63	1.80 V	152	95.14	-73.32
2	836.50	22.10	38.45	-16.35	1.75 V	153	95.20	-73.10
3	847.50	21.95	38.45	-16.50	1.75 V	152	95.16	-73.21

Remarks:

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

LTE Band 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	18.58	38.45	-19.87	2.41 H	301	91.87	-73.29
2	836.50	18.83	38.45	-19.62	2.39 H	303	91.93	-73.10
3	846.50	18.73	38.45	-19.72	2.37 H	302	91.95	-73.22
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	22.00	38.45	-16.45	1.79 V	154	95.29	-73.29
2	836.50	22.17	38.45	-16.28	1.76 V	155	95.27	-73.10
3	846.50	21.95	38.45	-16.50	1.75 V	152	95.17	-73.22

Remarks:

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

LTE Band 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	18.68	38.45	-19.77	2.04 H	302	91.94	-73.26
2	836.50	19.01	38.45	-19.44	2.40 H	302	92.11	-73.10
3	844.00	18.62	38.45	-19.83	2.39 H	305	91.84	-73.22
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	21.96	38.45	-16.49	1.74 V	151	95.22	-73.26
2	836.50	22.33	38.45	-16.12	1.71 V	150	95.43	-73.10
3	844.00	21.96	38.45	-16.49	1.75 V	153	95.18	-73.22

Remarks:

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

Modulation Type: 16QAM

LTE Band 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	17.70	38.45	-20.75	2.43 H	303	91.02	-73.32
2	836.50	17.62	38.45	-20.83	2.41 H	301	90.72	-73.10
3	848.30	17.53	38.45	-20.92	2.34 H	305	90.72	-73.19
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	20.72	38.45	-17.73	1.77 V	153	94.04	-73.32
2	836.50	21.21	38.45	-17.24	1.77 V	152	94.31	-73.10
3	848.30	21.17	38.45	-17.28	1.70 V	149	94.36	-73.19

Remarks:

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

LTE Band 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	17.68	38.45	-20.77	2.41 H	304	91.00	-73.32
2	836.50	17.72	38.45	-20.73	2.40 H	298	90.82	-73.10
3	847.50	17.73	38.45	-20.72	2.42 H	298	90.94	-73.21
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	20.79	38.45	-17.66	1.71 V	155	94.11	-73.32
2	836.50	21.01	38.45	-17.44	1.72 V	153	94.11	-73.10
3	847.50	20.76	38.45	-17.69	1.76 V	149	93.97	-73.21

Remarks:

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

LTE Band 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	17.57	38.45	-20.88	2.42 H	298	90.86	-73.29
2	836.50	17.80	38.45	-20.65	2.39 H	299	90.90	-73.10
3	846.50	17.83	38.45	-20.62	2.41 H	303	91.05	-73.22
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	20.86	38.45	-17.59	1.77 V	155	94.15	-73.29
2	836.50	21.25	38.45	-17.20	1.73 V	150	94.35	-73.10
3	846.50	21.14	38.45	-17.31	1.80 V	152	94.36	-73.22

Remarks:

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

LTE Band 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	17.65	38.45	-20.80	2.35 H	298	90.91	-73.26
2	836.50	17.96	38.45	-20.49	2.35 H	295	91.06	-73.10
3	844.00	17.70	38.45	-20.75	2.38 H	298	90.92	-73.22
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	21.12	38.45	-17.33	1.74 V	153	94.38	-73.26
2	836.50	21.16	38.45	-17.29	1.74 V	148	94.26	-73.10
3	844.00	20.79	38.45	-17.66	1.73 V	150	94.01	-73.22

Remarks:

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

Modulation Type: 64QAM

LTE Band 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	2.36 H	304	89.83	-73.32
2	836.50	16.69	38.45	-21.76	2.35 H	300	89.79	-73.10
3	848.30	16.33	38.45	-22.12	2.39 H	298	89.52	-73.19
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	19.65	38.45	-18.80	1.71 V	155	92.97	-73.32
2	836.50	20.13	38.45	-18.32	1.73 V	150	93.23	-73.10
3	848.30	19.97	38.45	-18.48	1.74 V	152	93.16	-73.19

Remarks:

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

LTE Band 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	16.75	38.45	-21.70	2.37 H	303	90.07	-73.32
2	836.50	16.66	38.45	-21.79	2.33 H	305	89.76	-73.10
3	847.50	16.71	38.45	-21.74	2.39 H	305	89.92	-73.21
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	19.68	38.45	-18.77	1.70 V	152	93.00	-73.32
2	836.50	20.18	38.45	-18.27	1.74 V	150	93.28	-73.10
3	847.50	19.58	38.45	-18.87	1.75 V	148	92.79	-73.21

Remarks:

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

LTE Band 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	16.51	38.45	-21.94	2.39 H	303	89.80	-73.29
2	836.50	16.84	38.45	-21.61	2.39 H	300	89.94	-73.10
3	846.50	16.72	38.45	-21.73	2.35 H	304	89.94	-73.22
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	19.84	38.45	-18.61	1.75 V	153	93.13	-73.29
2	836.50	20.43	38.45	-18.02	1.76 V	152	93.53	-73.10
3	846.50	20.07	38.45	-18.38	1.79 V	148	93.29	-73.22

Remarks:

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

LTE Band 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	16.57	38.45	-21.88	2.36 H	298	89.83	-73.26
2	836.50	16.73	38.45	-21.72	2.43 H	304	89.83	-73.10
3	844.00	16.90	38.45	-21.55	2.42 H	301	90.12	-73.22
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	19.97	38.45	-18.48	1.77 V	150	93.23	-73.26
2	836.50	20.09	38.45	-18.36	1.74 V	152	93.19	-73.10
3	844.00	19.76	38.45	-18.69	1.73 V	152	92.98	-73.22

Remarks:

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

Modulation Type: QPSK

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	12.17	38.45	-26.28	1.87 H	75	85.49	-73.32
2	836.50	12.52	38.45	-25.93	1.94 H	80	85.62	-73.10
3	848.30	12.26	38.45	-26.19	1.94 H	78	85.45	-73.19
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	22.20	38.45	-16.25	1.65 V	187	95.52	-73.32
2	836.50	22.52	38.45	-15.93	1.69 V	187	95.62	-73.10
3	848.30	22.37	38.45	-16.08	1.69 V	181	95.56	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	12.30	38.45	-26.15	1.84 H	79	85.62	-73.32
2	836.50	12.48	38.45	-25.97	1.87 H	79	85.58	-73.10
3	847.50	12.32	38.45	-26.13	1.84 H	80	85.53	-73.21
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	22.13	38.45	-16.32	1.72 V	182	95.45	-73.32
2	836.50	22.34	38.45	-16.11	1.73 V	188	95.44	-73.10
3	847.50	22.37	38.45	-16.08	1.69 V	185	95.58	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	12.27	38.45	-26.18	1.93 H	81	85.56	-73.29
2	836.50	12.44	38.45	-26.01	1.89 H	78	85.54	-73.10
3	846.50	12.41	38.45	-26.04	1.84 H	77	85.63	-73.22
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	22.15	38.45	-16.30	1.71 V	188	95.44	-73.29
2	836.50	22.35	38.45	-16.10	1.68 V	183	95.45	-73.10
3	846.50	22.34	38.45	-16.11	1.66 V	187	95.56	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	12.23	38.45	-26.22	1.85 H	80	85.49	-73.26
2	836.50	12.42	38.45	-26.03	1.85 H	79	85.52	-73.10
3	844.00	12.39	38.45	-26.06	1.91 H	80	85.61	-73.22
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	22.29	38.45	-16.16	1.67 V	182	95.55	-73.26
2	836.50	22.51	38.45	-15.94	1.64 V	187	95.61	-73.10
3	844.00	22.39	38.45	-16.06	1.65 V	187	95.61	-73.22

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)..
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value.
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	12.24	38.45	-26.21	1.85 H	81	85.44	-73.20
2	836.50	12.64	38.45	-25.81	1.91 H	82	85.74	-73.10
3	841.50	12.33	38.45	-26.12	1.84 H	75	85.49	-73.16
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	831.50	22.31	38.45	-16.14	1.66 V	188	95.51	-73.20
2	836.50	22.64	38.45	-15.81	1.72 V	187	95.74	-73.10
3	841.50	22.36	38.45	-16.09	1.66 V	189	95.52	-73.16

Remarks:

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

Modulation Type: 16QAM

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	10.99	38.45	-27.46	1.94 H	79	84.31	-73.32
2	836.50	11.56	38.45	-26.89	1.86 H	79	84.66	-73.10
3	848.30	11.20	38.45	-27.25	1.90 H	78	84.39	-73.19
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	21.26	38.45	-17.19	1.73 V	189	94.58	-73.32
2	836.50	21.52	38.45	-16.93	1.68 V	182	94.62	-73.10
3	848.30	21.49	38.45	-16.96	1.64 V	189	94.68	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	11.16	38.45	-27.29	1.88 H	76	84.48	-73.32
2	836.50	11.66	38.45	-26.79	1.90 H	82	84.76	-73.10
3	847.50	11.23	38.45	-27.22	1.90 H	79	84.44	-73.21
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	21.27	38.45	-17.18	1.71 V	183	94.59	-73.32
2	836.50	21.33	38.45	-17.12	1.90 V	82	94.43	-73.10
3	847.50	21.30	38.45	-17.15	1.90 V	79	94.51	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	11.33	38.45	-27.12	1.91 H	81	84.62	-73.29
2	836.50	11.45	38.45	-27.00	1.85 H	79	84.55	-73.10
3	846.50	11.27	38.45	-27.18	1.94 H	82	84.49	-73.22
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	21.31	38.45	-17.14	1.72 V	187	94.60	-73.29
2	836.50	21.26	38.45	-17.19	1.70 V	186	94.36	-73.10
3	846.50	21.17	38.45	-17.28	1.72 V	189	94.39	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	11.28	38.45	-27.17	1.84 H	76	84.54	-73.26
2	836.50	11.47	38.45	-26.98	1.84 H	76	84.57	-73.10
3	844.00	11.52	38.45	-26.93	1.93 H	80	84.74	-73.22
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	21.18	38.45	-17.27	1.71 V	183	94.44	-73.26
2	836.50	21.32	38.45	-17.13	1.67 V	188	94.42	-73.10
3	844.00	21.32	38.45	-17.13	1.65 V	186	94.54	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	11.22	38.45	-27.23	1.91 H	77	84.42	-73.20
2	836.50	11.67	38.45	-26.78	1.93 H	75	84.77	-73.10
3	841.50	11.42	38.45	-27.03	1.94 H	80	84.58	-73.16
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	831.50	21.33	38.45	-17.12	1.74 V	183	94.53	-73.20
2	836.50	21.62	38.45	-16.83	1.72 V	184	94.72	-73.10
3	841.50	21.41	38.45	-17.04	1.69 V	185	94.57	-73.16

Remarks:

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

Modulation Type: 64QAM

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	10.14	38.45	-28.31	1.92 H	82	83.46	-73.32
2	836.50	10.73	38.45	-27.72	1.91 H	81	83.83	-73.10
3	848.30	10.23	38.45	-28.22	1.92 H	79	83.42	-73.19
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	20.28	38.45	-18.17	1.71 V	188	93.60	-73.32
2	836.50	20.51	38.45	-17.94	1.70 V	184	93.61	-73.10
3	848.30	20.67	38.45	-17.78	1.68 V	190	93.86	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	10.07	38.45	-28.38	1.86 H	78	83.39	-73.32
2	836.50	10.61	38.45	-27.84	1.76 H	78	83.71	-73.10
3	847.50	10.11	38.45	-28.34	1.92 H	77	83.32	-73.21
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	20.25	38.45	-18.20	1.70 V	185	93.57	-73.32
2	836.50	20.43	38.45	-18.02	1.64 V	182	93.53	-73.10
3	847.50	20.50	38.45	-17.95	1.73 V	183	93.71	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	10.14	38.45	-28.31	1.84 H	82	83.43	-73.29
2	836.50	10.37	38.45	-28.08	1.93 H	75	83.47	-73.10
3	846.50	10.44	38.45	-28.01	1.94 H	79	83.66	-73.22
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	20.51	38.45	-17.94	1.71 V	187	93.80	-73.29
2	836.50	20.21	38.45	-18.24	1.67 V	182	93.31	-73.10
3	846.50	20.09	38.45	-18.36	1.72 V	185	93.31	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	10.18	38.45	-28.27	1.92 H	81	83.44	-73.26
2	836.50	10.43	38.45	-28.02	1.93 H	81	83.53	-73.10
3	844.00	10.54	38.45	-27.91	1.88 H	78	83.76	-73.22
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	20.04	38.45	-18.41	1.74 V	182	93.30	-73.26
2	836.50	20.30	38.45	-18.15	1.68 V	184	93.40	-73.10
3	844.00	20.52	38.45	-17.93	1.65 V	182	93.74	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	10.08	38.45	-28.37	1.92 H	81	83.28	-73.20
2	836.50	10.48	38.45	-27.97	1.93 H	75	83.58	-73.10
3	841.50	10.26	38.45	-28.19	1.85 H	80	83.42	-73.16
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	831.50	20.04	38.45	-18.41	1.74 V	182	93.24	-73.20
2	836.50	20.30	38.45	-18.15	1.68 V	184	93.40	-73.10
3	841.50	20.52	38.45	-17.93	1.65 V	182	93.68	-73.16

Remarks:

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

EUT + Antenna 3

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	18.37	38.45	-20.08	2.34 H	283	91.69	-73.32
2	836.50	18.57	38.45	-19.88	2.35 H	284	91.67	-73.10
3	848.30	18.47	38.45	-19.98	2.37 H	288	91.66	-73.19
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	21.72	38.45	-16.73	1.76 V	104	95.04	-73.32
2	836.50	21.98	38.45	-16.47	1.81 V	100	95.08	-73.10
3	848.30	21.88	38.45	-16.57	1.73 V	99	95.07	-73.19

Remarks:

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

LTE Band 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	18.36	38.45	-20.09	2.33 H	286	91.68	-73.32
2	836.50	18.51	38.45	-19.94	2.31 H	286	91.61	-73.10
3	847.50	18.42	38.45	-20.03	2.31 H	289	91.63	-73.21
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	21.77	38.45	-16.68	1.79 V	100	95.09	-73.32
2	836.50	21.98	38.45	-16.47	1.74 V	102	95.08	-73.10
3	847.50	21.81	38.45	-16.64	1.78 V	103	95.02	-73.21

Remarks:

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

LTE Band 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	18.39	38.45	-20.06	2.34 H	286	91.68	-73.29
2	836.50	18.56	38.45	-19.89	2.34 H	282	91.66	-73.10
3	846.50	18.46	38.45	-19.99	2.34 H	287	91.68	-73.22
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	21.71	38.45	-16.74	1.78 V	101	95.00	-73.29
2	836.50	21.99	38.45	-16.46	1.72 V	104	95.09	-73.10
3	846.50	21.83	38.45	-16.62	1.73 V	104	95.05	-73.22

Remarks:

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

LTE Band 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	18.37	38.45	-20.08	2.32 H	284	91.63	-73.26
2	836.50	18.80	38.45	-19.65	2.32 H	288	91.90	-73.10
3	844.00	18.48	38.45	-19.97	2.34 H	282	91.70	-73.22
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	21.75	38.45	-16.70	1.79 V	101	95.01	-73.26
2	836.50	22.10	38.45	-16.35	1.72 V	102	95.20	-73.10
3	844.00	21.87	38.45	-16.58	1.79 V	102	95.09	-73.22

Remarks:

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

Modulation Type: 16QAM

LTE Band 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	17.24	38.45	-21.21	2.34 H	289	90.56	-73.32
2	836.50	17.65	38.45	-20.80	2.28 H	283	90.75	-73.10
3	848.30	17.33	38.45	-21.12	2.33 H	284	90.52	-73.19
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	20.92	38.45	-17.53	1.77 V	104	94.24	-73.32
2	836.50	20.81	38.45	-17.64	1.72 V	102	93.91	-73.10
3	848.30	20.84	38.45	-17.61	1.76 V	102	94.03	-73.19

Remarks:

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

LTE Band 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	17.51	38.45	-20.94	2.31 H	286	90.83	-73.32
2	836.50	17.64	38.45	-20.81	2.30 H	282	90.74	-73.10
3	847.50	17.57	38.45	-20.88	2.33 H	282	90.78	-73.21
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	20.61	38.45	-17.84	1.82 V	100	93.93	-73.32
2	836.50	21.05	38.45	-17.40	1.77 V	104	94.15	-73.10
3	847.50	20.81	38.45	-17.64	1.81 V	100	94.02	-73.21

Remarks:

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

LTE Band 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	17.50	38.45	-20.95	2.29 H	284	90.79	-73.29
2	836.50	17.66	38.45	-20.79	2.35 H	288	90.76	-73.10
3	846.50	17.53	38.45	-20.92	2.29 H	285	90.75	-73.22
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	20.73	38.45	-17.72	1.73 V	105	94.02	-73.29
2	836.50	20.89	38.45	-17.56	1.74 V	99	93.99	-73.10
3	846.50	21.01	38.45	-17.44	1.78 V	104	94.23	-73.22

Remarks:

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

LTE Band 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	17.38	38.45	-21.07	2.36 H	289	90.64	-73.26
2	836.50	17.60	38.45	-20.85	2.32 H	282	90.70	-73.10
3	844.00	17.33	38.45	-21.12	2.37 H	284	90.55	-73.22
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	20.95	38.45	-17.50	1.77 V	102	94.21	-73.26
2	836.50	21.13	38.45	-17.32	1.72 V	100	94.23	-73.10
3	844.00	20.87	38.45	-17.58	1.77 V	101	94.09	-73.22

Remarks:

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

Modulation Type: 64QAM

LTE Band 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	16.32	38.45	-22.13	2.36 H	282	89.64	-73.32
2	836.50	16.62	38.45	-21.83	2.37 H	284	89.72	-73.10
3	848.30	16.21	38.45	-22.24	2.32 H	286	89.40	-73.19
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	19.75	38.45	-18.70	1.75 V	98	93.07	-73.32
2	836.50	19.84	38.45	-18.61	1.79 V	104	92.94	-73.10
3	848.30	19.86	38.45	-18.59	1.72 V	98	93.05	-73.19

Remarks:

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

LTE Band 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	16.50	38.45	-21.95	2.33 H	284	89.82	-73.32
2	836.50	16.77	38.45	-21.68	2.37 H	288	89.87	-73.10
3	847.50	16.68	38.45	-21.77	2.37 H	287	89.89	-73.21
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	19.59	38.45	-18.86	1.81 V	102	92.91	-73.32
2	836.50	20.15	38.45	-18.30	1.82 V	103	93.25	-73.10
3	847.50	19.86	38.45	-18.59	1.81 V	102	93.07	-73.21

Remarks:

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

LTE Band 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	16.56	38.45	-21.89	2.34 H	284	89.85	-73.29
2	836.50	16.83	38.45	-21.62	2.28 H	285	89.93	-73.10
3	846.50	16.61	38.45	-21.84	2.31 H	285	89.83	-73.22
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	19.77	38.45	-18.68	1.76 V	103	93.06	-73.29
2	836.50	19.71	38.45	-18.74	1.80 V	100	92.81	-73.10
3	846.50	19.84	38.45	-18.61	1.80 V	98	93.06	-73.22

Remarks:

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

LTE Band 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	16.24	38.45	-22.21	2.37 H	282	89.50	-73.26
2	836.50	16.62	38.45	-21.83	2.38 H	289	89.72	-73.10
3	844.00	16.39	38.45	-22.06	2.37 H	283	89.61	-73.22
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	19.77	38.45	-18.68	1.80 V	105	93.03	-73.26
2	836.50	20.21	38.45	-18.24	1.72 V	104	93.31	-73.10
3	844.00	19.98	38.45	-18.47	1.79 V	104	93.20	-73.22

Remarks:

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

Modulation Type: QPSK

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	11.29	38.45	-27.16	1.76 H	99	84.61	-73.32
2	836.50	11.53	38.45	-26.92	1.72 H	106	84.63	-73.10
3	848.30	11.44	38.45	-27.01	1.79 H	105	84.63	-73.19
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	21.65	38.45	-16.80	1.69 V	208	94.97	-73.32
2	836.50	21.84	38.45	-16.61	1.79 V	204	94.94	-73.10
3	848.30	21.79	38.45	-16.66	1.74 V	207	94.98	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	11.34	38.45	-27.11	1.70 H	106	84.66	-73.32
2	836.50	11.51	38.45	-26.94	1.77 H	99	84.61	-73.10
3	847.50	11.49	38.45	-26.96	1.70 H	104	84.70	-73.21
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	21.66	38.45	-16.79	1.70 V	209	94.98	-73.32
2	836.50	21.90	38.45	-16.55	1.72 V	204	95.00	-73.10
3	847.50	21.77	38.45	-16.68	1.69 V	203	94.98	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	11.39	38.45	-27.06	1.80 H	106	84.68	-73.29
2	836.50	11.56	38.45	-26.89	1.74 H	99	84.66	-73.10
3	846.50	11.41	38.45	-27.04	1.74 H	101	84.63	-73.22
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	21.63	38.45	-16.82	1.74 V	207	94.92	-73.29
2	836.50	21.86	38.45	-16.59	1.70 V	208	94.96	-73.10
3	846.50	21.76	38.45	-16.69	1.72 V	209	94.98	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	11.42	38.45	-27.03	1.77 H	106	84.68	-73.26
2	836.50	11.53	38.45	-26.92	1.78 H	99	84.63	-73.10
3	844.00	11.38	38.45	-27.07	1.78 H	106	84.60	-73.22
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	21.67	38.45	-16.78	1.79 V	210	94.93	-73.26
2	836.50	21.86	38.45	-16.59	1.74 V	208	94.96	-73.10
3	844.00	21.75	38.45	-16.70	1.75 V	208	94.97	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	11.49	38.45	-26.96	1.77 H	102	84.69	-73.20
2	836.50	11.80	38.45	-26.65	1.71 H	102	84.90	-73.10
3	841.50	11.47	38.45	-26.98	1.79 H	105	84.63	-73.16
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	831.50	21.80	38.45	-16.65	1.79 V	206	95.00	-73.20
2	836.50	22.00	38.45	-16.45	1.78 V	207	95.10	-73.10
3	841.50	21.78	38.45	-16.67	1.71 V	203	94.94	-73.16

Remarks:

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

Modulation Type: 16QAM

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	10.25	38.45	-28.20	1.74 H	102	83.57	-73.32
2	836.50	10.72	38.45	-27.73	1.79 H	102	83.82	-73.10
3	848.30	10.25	38.45	-28.20	1.72 H	101	83.44	-73.19
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	20.50	38.45	-17.95	1.71 V	208	93.82	-73.32
2	836.50	20.84	38.45	-17.61	1.76 V	210	93.94	-73.10
3	848.30	20.81	38.45	-17.64	1.69 V	204	94.00	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	10.54	38.45	-27.91	1.70 H	105	83.86	-73.32
2	836.50	10.63	38.45	-27.82	1.70 H	100	83.73	-73.10
3	847.50	10.66	38.45	-27.79	1.71 H	103	83.87	-73.21
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	20.81	38.45	-17.64	1.72 V	208	94.13	-73.32
2	836.50	20.83	38.45	-17.62	1.79 V	208	93.93	-73.10
3	847.50	20.75	38.45	-17.70	1.75 V	209	93.96	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	10.32	38.45	-28.13	1.76 H	102	83.61	-73.29
2	836.50	10.46	38.45	-27.99	1.74 H	106	83.56	-73.10
3	846.50	10.46	38.45	-27.99	1.76 H	102	83.68	-73.22
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	20.83	38.45	-17.62	1.74 V	205	94.12	-73.29
2	836.50	21.04	38.45	-17.41	1.75 V	210	94.14	-73.10
3	846.50	20.85	38.45	-17.60	1.77 V	209	94.07	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	10.51	38.45	-27.94	1.76 H	99	83.77	-73.26
2	836.50	10.73	38.45	-27.72	1.80 H	103	83.83	-73.10
3	844.00	10.42	38.45	-28.03	1.72 H	104	83.64	-73.22
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	20.49	38.45	-17.96	1.70 V	209	93.75	-73.26
2	836.50	20.89	38.45	-17.56	1.69 V	204	93.99	-73.10
3	844.00	20.86	38.45	-17.59	1.69 V	205	94.08	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	10.67	38.45	-27.78	1.78 H	100	83.87	-73.20
2	836.50	10.78	38.45	-27.67	1.71 H	101	83.88	-73.10
3	841.50	10.59	38.45	-27.86	1.77 H	100	83.75	-73.16
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	831.50	20.96	38.45	-17.49	1.78 V	208	94.16	-73.20
2	836.50	20.96	38.45	-17.49	1.73 V	203	94.06	-73.10
3	841.50	20.61	38.45	-17.84	1.78 V	203	93.77	-73.16

Remarks:

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

Modulation Type: 64QAM

LTE Band 26, Channel Bandwidth 1.4MHz

Mode		TX channel 26797, 26915, 27033						
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	9.44	38.45	-29.01	1.77 H	103	82.76	-73.32
2	836.50	9.82	38.45	-28.63	1.76 H	99	82.92	-73.10
3	848.30	9.42	38.45	-29.03	1.73 H	100	82.61	-73.19
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	19.50	38.45	-18.95	1.69 V	205	92.82	-73.32
2	836.50	19.69	38.45	-18.76	1.79 V	208	92.79	-73.10
3	848.30	19.66	38.45	-18.79	1.75 V	210	92.85	-73.19

Remarks:

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

LTE Band 26, Channel Bandwidth 3MHz

Mode		TX channel 26805, 26915, 27025						
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	9.73	38.45	-28.72	1.77 H	104	83.05	-73.32
2	836.50	9.64	38.45	-28.81	1.73 H	102	82.74	-73.10
3	847.50	9.52	38.45	-28.93	1.80 H	102	82.73	-73.21
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	19.93	38.45	-18.52	1.75 V	205	93.25	-73.32
2	836.50	20.01	38.45	-18.44	1.70 V	205	93.11	-73.10
3	847.50	19.95	38.45	-18.50	1.71 V	203	93.16	-73.21

Remarks:

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

LTE Band 26, Channel Bandwidth 5MHz

Mode		TX channel 26815, 26915, 27015						
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	9.32	38.45	-29.13	1.71 H	102	82.61	-73.29
2	836.50	9.65	38.45	-28.80	1.74 H	102	82.75	-73.10
3	846.50	9.54	38.45	-28.91	1.78 H	104	82.76	-73.22
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	19.86	38.45	-18.59	1.74 V	205	93.15	-73.29
2	836.50	20.05	38.45	-18.40	1.71 V	210	93.15	-73.10
3	846.50	19.87	38.45	-18.58	1.69 V	205	93.09	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 10MHz

Mode		TX channel 26840, 26915, 26990						
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	9.66	38.45	-28.79	1.75 H	104	82.92	-73.26
2	836.50	9.77	38.45	-28.68	1.76 H	99	82.87	-73.10
3	844.00	9.42	38.45	-29.03	1.73 H	103	82.64	-73.22
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	19.30	38.45	-19.15	1.71 V	205	92.56	-73.26
2	836.50	19.77	38.45	-18.68	1.74 V	210	92.87	-73.10
3	844.00	20.05	38.45	-18.40	1.72 V	209	93.27	-73.22

Remarks:

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

LTE Band 26, Channel Bandwidth 15MHz

Mode		TX channel 26865, 26915, 26965						
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	831.50	9.78	38.45	-28.67	1.78 H	102	82.98	-73.20
2	836.50	9.89	38.45	-28.56	1.79 H	101	82.99	-73.10
3	841.50	9.46	38.45	-28.99	1.78 H	104	82.62	-73.16
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	831.50	19.78	38.45	-18.67	1.77 V	207	92.98	-73.20
2	836.50	19.78	38.45	-18.67	1.75 V	209	92.88	-73.10
3	841.50	19.71	38.45	-18.74	1.75 V	206	92.87	-73.16

Remarks:

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

MIMO ERP Power (dBm)

Band	Max. ERP Power (dBm) EUT + Antenna 1 (Main Source)	Max. ERP Power (dBm) EUT + Antenna 2 (2nd Source)	Max. ERP Power (dBm) EUT + Antenna 3	Total Power (dBm)	Limit (dBm)
5	22.20	22.33	22.10	26.98	38.45
26	22.31	22.64	22.00	27.10	38.45

4.2 Radiated Emission Measurement

4.2.1 Limits of Radiated Emission Measurement

The 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. The emission limit equal to –13dBm.

4.2.2 Test Procedure

a. In the semi-anechoic chamber, EUT placed on the 0.8m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) 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 5.5 and 5.2.7
   - 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.

Note:

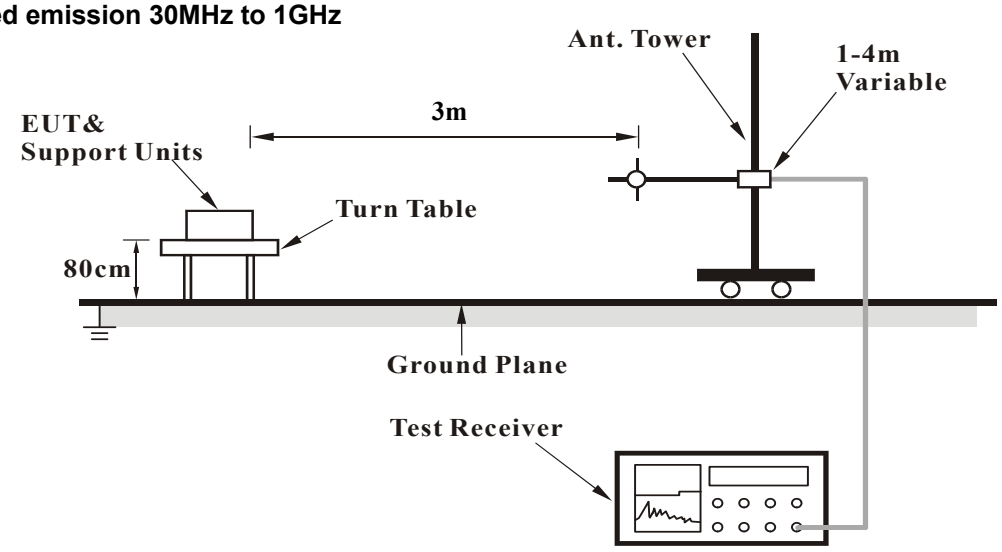
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.
2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz: The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

4.2.3 Deviation from Test Standard

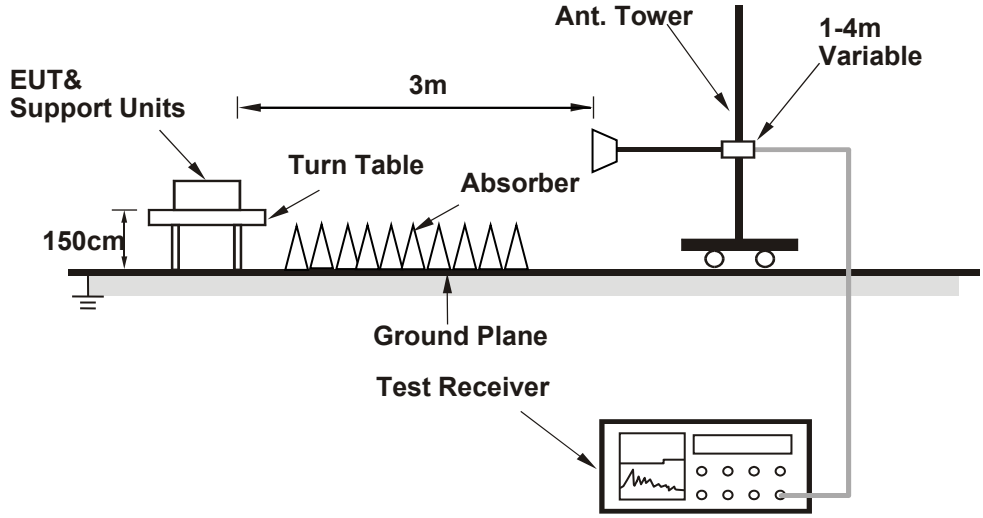
No deviation.

4.2.4 Test Setup

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).

4.2.5 Test Results

EUT + Antenna 1 (Main Source)

Below 1GHz

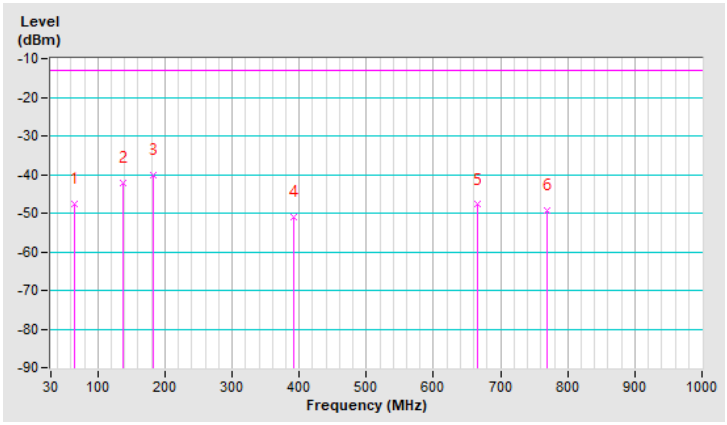
LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20525 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	65.89	-47.60	-13.00	-34.60	1.49 H	180	64.60	-112.20
2	136.70	-42.30	-13.00	-29.30	1.49 H	120	68.90	-111.20
3	182.29	-40.10	-13.00	-27.10	1.49 H	218	72.10	-112.20
4	390.84	-51.10	-13.00	-38.10	1.00 H	152	56.50	-107.60
5	665.35	-47.80	-13.00	-34.80	1.00 H	163	54.10	-101.90
6	770.11	-49.30	-13.00	-36.30	1.00 H	144	51.30	-100.60

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

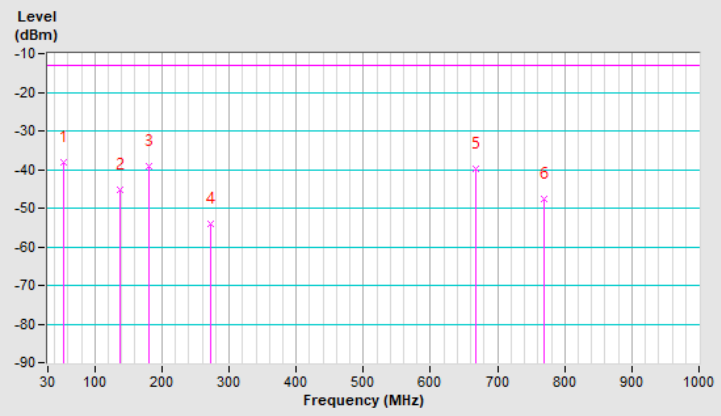


Mode	TX channel 20525 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	54.25	-38.10	-13.00	-25.10	1.50 V	251	72.80	-110.90
2	136.70	-45.20	-13.00	-32.20	1.01 V	94	66.00	-111.20
3	181.32	-39.20	-13.00	-26.20	1.01 V	254	73.00	-112.20
4	271.53	-54.10	-13.00	-41.10	1.01 V	255	56.50	-110.60
5	668.26	-39.80	-13.00	-26.80	2.00 V	317	62.10	-101.90
6	770.11	-47.60	-13.00	-34.60	1.01 V	18	53.00	-100.60

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



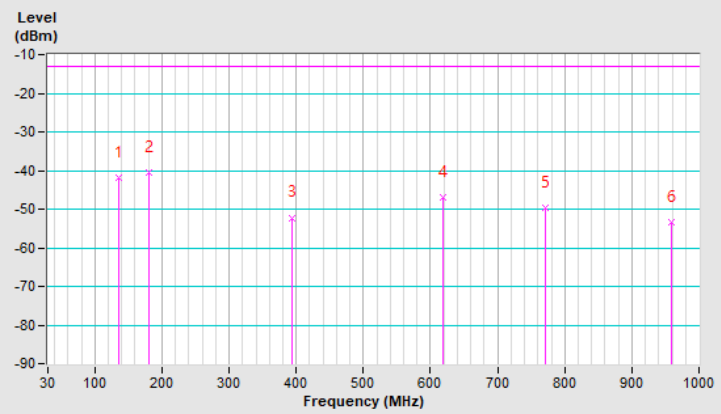
LTE Band 26, Channel Bandwidth 15MHz

Mode	TX channel 26915 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	135.73	-41.80	-13.00	-28.80	2.00 H	120	69.50	-111.30
2	181.32	-40.40	-13.00	-27.40	1.50 H	215	71.80	-112.20
3	393.75	-52.20	-13.00	-39.20	1.01 H	200	55.40	-107.60
4	618.79	-47.10	-13.00	-34.10	1.50 H	113	55.60	-102.70
5	771.08	-49.60	-13.00	-36.60	1.01 H	81	51.00	-100.60
6	959.26	-53.50	-13.00	-40.50	1.01 H	2	44.30	-97.80

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

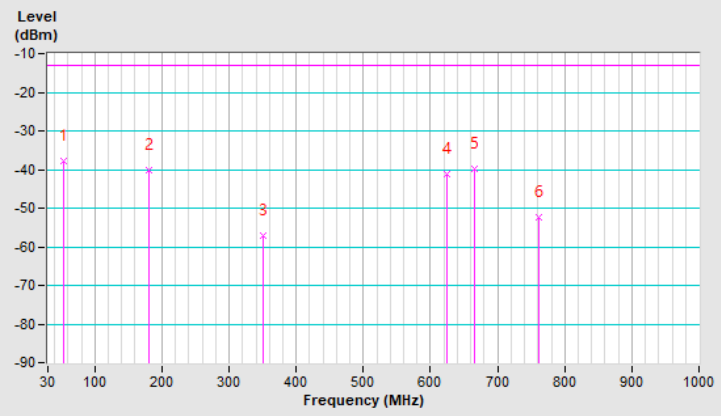


Mode	TX channel 26915 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	54.25	-37.70	-13.00	-24.70	1.00 V	248	73.20	-110.90
2	181.32	-40.20	-13.00	-27.20	1.00 V	258	72.00	-112.20
3	351.07	-57.20	-13.00	-44.20	1.49 V	2	51.50	-108.70
4	623.64	-41.30	-13.00	-28.30	1.49 V	2	61.30	-102.60
5	666.32	-39.70	-13.00	-26.70	1.00 V	306	62.20	-101.90
6	761.38	-52.50	-13.00	-39.50	2.00 V	35	48.00	-100.50

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



Above 1GHz
LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407 (824.7MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1649.40	-60.39	-13.00	-47.39	1.93 H	172	43.55	-103.94
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	1649.40	-59.43	-13.00	-46.43	1.72 V	2	44.51	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-60.40	-13.00	-47.40	1.83 H	166	43.55	-103.95
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	1673.00	-59.45	-13.00	-46.45	1.70 V	3	44.50	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20643 (848.3MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1696.60	-60.44	-13.00	-47.44	1.84 H	173	43.51	-103.95
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	1696.60	-59.35	-13.00	-46.35	1.79 V	2	44.60	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425 (826.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1653.00	-60.37	-13.00	-47.37	1.85 H	168	43.56	-103.93
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	1653.00	-59.39	-13.00	-46.39	1.73 V	1	44.54	-103.93

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-60.39	-13.00	-47.39	1.87 H	168	43.56	-103.95
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	1673.00	-59.41	-13.00	-46.41	1.70 V	1	44.54	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20625 (846.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1693.00	-60.39	-13.00	-47.39	1.89 H	168	43.56	-103.95
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	1693.00	-59.43	-13.00	-46.43	1.70 V	2	44.52	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450 (829.0MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1658.00	-60.35	-13.00	-47.35	1.83 H	173	43.59	-103.94
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	1658.00	-59.34	-13.00	-46.34	1.80 V	1	44.60	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-60.15	-13.00	-47.15	1.88 H	173	43.80	-103.95
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	1673.00	-59.25	-13.00	-46.25	1.88 V	3	44.70	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20600 (844.0MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1688.00	-60.45	-13.00	-47.45	1.93 H	168	43.50	-103.95
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	1688.00	-59.40	-13.00	-46.40	1.77 V	2	44.55	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 1.4MHz

Mode	TX channel 26797 (824.7MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1649.40	-59.82	-13.00	-46.82	1.87 H	171	44.12	-103.94
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	1649.40	-57.98	-13.00	-44.98	2.67 V	202	45.96	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-59.79	-13.00	-46.79	1.83 H	173	44.16	-103.95
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	1673.00	-58.04	-13.00	-45.04	2.67 V	203	45.91	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 27033 (848.3MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1696.60	-59.82	-13.00	-46.82	1.88 H	171	44.13	-103.95
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	1696.60	-57.95	-13.00	-44.95	2.67 V	202	46.00	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 5MHz

Mode	TX channel 26815 (826.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1653.00	-59.83	-13.00	-46.83	1.81 H	172	44.10	-103.93
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	1653.00	-57.98	-13.00	-44.98	2.67 V	201	45.95	-103.93

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-59.76	-13.00	-46.76	1.91 H	171	44.19	-103.95
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	1673.00	-57.96	-13.00	-44.96	2.77 V	201	45.99	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 27015 (846.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1693.00	-59.83	-13.00	-46.83	1.84 H	170	44.12	-103.95
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	1693.00	-57.95	-13.00	-44.95	2.77 V	200	46.00	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 15MHz

Mode	TX channel 26865 (831.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1663.00	-59.77	-13.00	-46.77	1.82 H	170	44.18	-103.95
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	1663.00	-58.04	-13.00	-45.04	2.73 V	199	45.91	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-59.54	-13.00	-46.54	1.91 H	172	44.41	-103.95
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	1673.00	-57.84	-13.00	-44.84	2.69 V	201	46.11	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26965 (841.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1683.00	-59.79	-13.00	-46.79	1.86 H	176	44.15	-103.94
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	1683.00	-57.97	-13.00	-44.97	2.69 V	202	45.97	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

EUT + Antenna 2 (2nd Source)

Below 1GHz

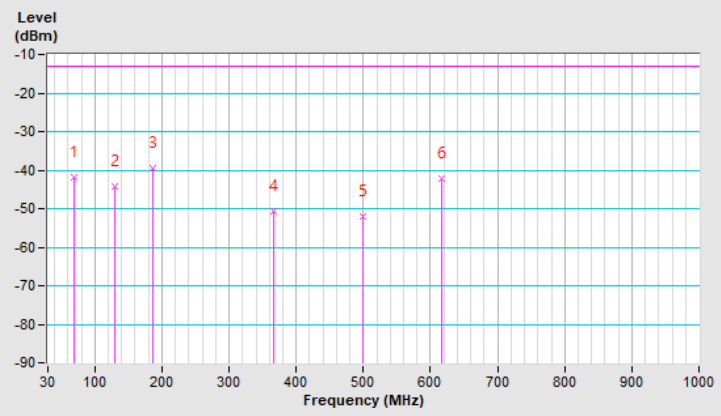
LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20525 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	68.80	-41.85	-13.00	-28.85	1.49 H	259	70.80	-112.65
2	129.91	-44.13	-13.00	-31.13	1.00 H	126	67.66	-111.79
3	187.14	-39.41	-13.00	-26.41	1.49 H	170	73.52	-112.93
4	365.62	-50.58	-13.00	-37.58	2.00 H	197	57.72	-108.30
5	499.48	-51.95	-13.00	-38.95	1.49 H	103	53.34	-105.29
6	615.88	-42.16	-13.00	-29.16	1.49 H	158	60.40	-102.56

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

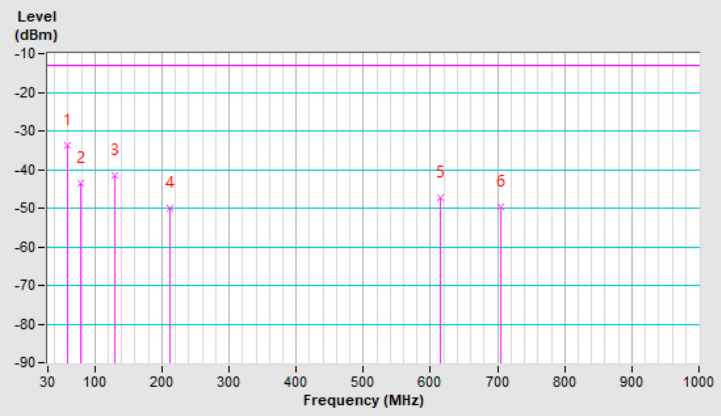


Mode	TX channel 20525 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	**59.10**	**-33.68**	**-13.00**	**-20.68**	**2.00 V**	**250**	**77.31**	**-110.99**
2	78.50	-43.63	-13.00	-30.63	1.50 V	229	71.42	-115.05
3	129.91	-41.56	-13.00	-28.56	1.01 V	161	70.23	-111.79
4	211.39	-49.97	-13.00	-36.97	1.01 V	202	63.77	-113.74
5	613.94	-47.25	-13.00	-34.25	1.50 V	260	55.32	-102.57
6	704.15	-49.62	-13.00	-36.62	1.01 V	124	51.70	-101.32

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



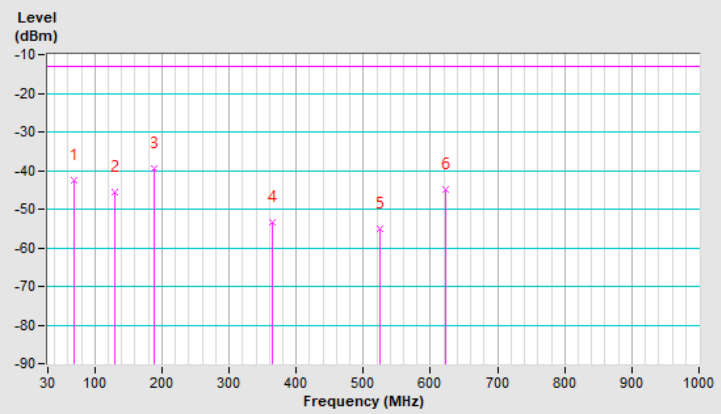
LTE Band 26, Channel Bandwidth 15MHz

Mode	TX channel 26915 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	68.80	-42.44	-13.00	-29.44	2.00 H	260	70.21	-112.65
2	129.91	-45.57	-13.00	-32.57	1.01 H	193	66.22	-111.79
3	189.08	-39.48	-13.00	-26.48	1.50 H	176	73.68	-113.16
4	364.65	-53.54	-13.00	-40.54	1.01 H	276	54.81	-108.35
5	524.70	-54.98	-13.00	-41.98	1.50 H	14	49.71	-104.69
6	621.70	-44.89	-13.00	-31.89	1.50 H	178	57.63	-102.52

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

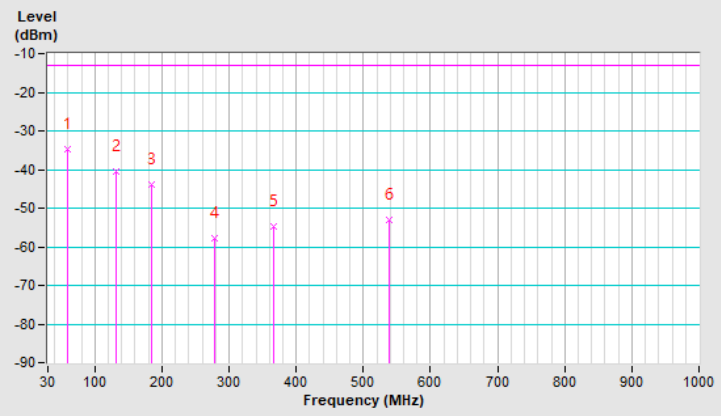


Mode	TX channel 26915 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	59.10	-34.62	-13.00	-21.62	2.00 V	269	76.37	-110.99
2	130.88	-40.61	-13.00	-27.61	1.00 V	175	71.05	-111.66
3	184.23	-43.81	-13.00	-30.81	1.00 V	228	68.72	-112.53
4	279.29	-57.79	-13.00	-44.79	1.49 V	284	52.50	-110.29
5	365.62	-54.70	-13.00	-41.70	1.49 V	134	53.60	-108.30
6	538.28	-53.07	-13.00	-40.07	1.00 V	306	51.50	-104.57

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



Above 1GHz

LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407 (824.7MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1649.40	-58.97	-13.00	-45.97	1.13 H	161	44.97	-103.94
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	1649.40	-57.26	-13.00	-44.26	1.38 V	206	46.68	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1673.00	-58.99	-13.00	-45.99	1.09 H	164	44.96	-103.95
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	1673.00	-57.24	-13.00	-44.24	1.45 V	205	46.71	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20643 (848.3MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1696.60	-59.02	-13.00	-46.02	1.09 H	163	44.93	-103.95
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	1696.60	-57.28	-13.00	-44.28	1.46 V	208	46.67	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425 (826.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1653.00	-58.92	-13.00	-45.92	1.11 H	163	45.01	-103.93
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	1653.00	-57.25	-13.00	-44.25	1.43 V	201	46.68	-103.93

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1673.00	-58.98	-13.00	-45.98	1.08 H	163	44.97	-103.95
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	1673.00	-57.33	-13.00	-44.33	1.43 V	202	46.62	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20625 (846.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1693.00	-59.03	-13.00	-46.03	1.13 H	165	44.92	-103.95
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	1693.00	-57.24	-13.00	-44.24	1.39 V	205	46.71	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450 (829.0MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1658.00	-56.87	-13.00	-43.87	1.13 H	160	47.07	-103.94
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	1658.00	-55.08	-13.00	-42.08	1.39 V	204	48.86	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1673.00	-56.55	-13.00	-43.55	1.07 H	157	47.40	-103.95
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	1673.00	-54.94	-13.00	-41.94	1.38 V	205	49.01	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20600 (844.0MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1688.00	-56.87	-13.00	-43.87	1.05 H	160	47.08	-103.95
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	1688.00	-55.18	-13.00	-42.18	1.41 V	210	48.77	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 1.4MHz

Mode	TX channel 26797 (824.7MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1649.40	-59.57	-13.00	-46.57	1.08 H	163	44.37	-103.94
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	1649.40	-57.37	-13.00	-44.37	1.61 V	211	46.57	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1673.00	-59.62	-13.00	-46.62	1.18 H	169	44.33	-103.95
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	1673.00	-57.43	-13.00	-44.43	1.58 V	206	46.52	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 27033 (848.3MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1696.60	-59.60	-13.00	-46.60	1.12 H	161	44.35	-103.95
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	1696.60	-57.41	-13.00	-44.41	1.61 V	211	46.54	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 5MHz

Mode	TX channel 26815 (826.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1653.00	-59.50	-13.00	-46.50	1.10 H	162	44.43	-103.93
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	1653.00	-57.32	-13.00	-44.32	1.65 V	208	46.61	-103.93

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1673.00	-59.57	-13.00	-46.57	1.16 H	161	44.38	-103.95
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	1673.00	-57.40	-13.00	-44.40	1.67 V	216	46.55	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 27015 (846.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1693.00	-59.58	-13.00	-46.58	1.09 H	165	44.37	-103.95
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	1693.00	-57.39	-13.00	-44.39	1.68 V	211	46.56	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 15MHz

Mode	TX channel 26865 (831.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1663.00	-59.57	-13.00	-46.57	1.10 H	163	44.38	-103.95
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	1663.00	-57.37	-13.00	-44.37	1.63 V	207	46.58	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1673.00	-59.29	-13.00	-46.29	1.10 H	167	44.66	-103.95
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	1673.00	-57.21	-13.00	-44.21	1.56 V	212	46.74	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26965 (841.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Tim Chen		

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	1683.00	-59.53	-13.00	-46.53	1.07 H	166	44.41	-103.94
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	1683.00	-57.35	-13.00	-44.35	1.67 V	213	46.59	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

EUT + Antenna 3

Below 1GHz

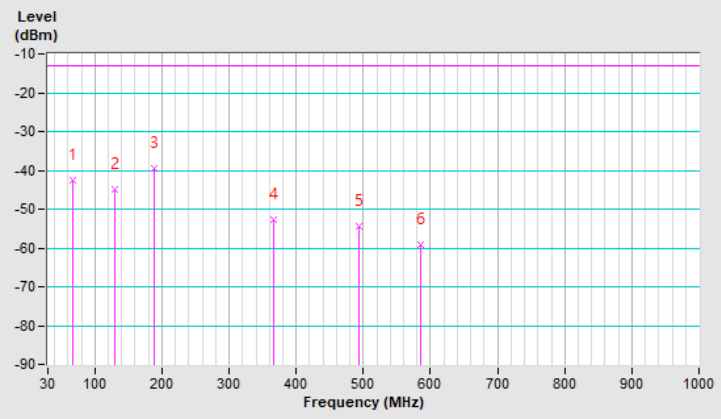
LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20525 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	67.83	-42.39	-13.00	-29.39	1.50 H	251	69.99	-112.38
2	129.91	-45.01	-13.00	-32.01	1.50 H	148	66.78	-111.79
3	189.08	-39.55	-13.00	-26.55	1.50 H	178	73.61	-113.16
4	365.62	-52.76	-13.00	-39.76	1.01 H	171	55.54	-108.30
5	492.69	-54.41	-13.00	-41.41	1.01 H	62	50.96	-105.37
6	585.81	-59.27	-13.00	-46.27	2.00 H	332	43.99	-103.26

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

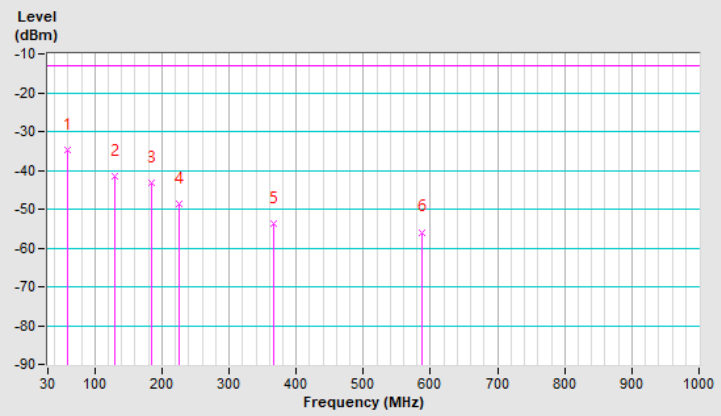


Mode	TX channel 20525 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	59.10	-34.65	-13.00	-21.65	1.49 V	267	76.34	-110.99
2	129.91	-41.49	-13.00	-28.49	1.00 V	176	70.30	-111.79
3	185.20	-43.31	-13.00	-30.31	2.00 V	228	69.40	-112.71
4	224.97	-48.57	-13.00	-35.57	1.00 V	208	65.19	-113.76
5	365.62	-53.76	-13.00	-40.76	1.49 V	249	54.54	-108.30
6	586.78	-55.93	-13.00	-42.93	1.00 V	341	47.28	-103.21

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



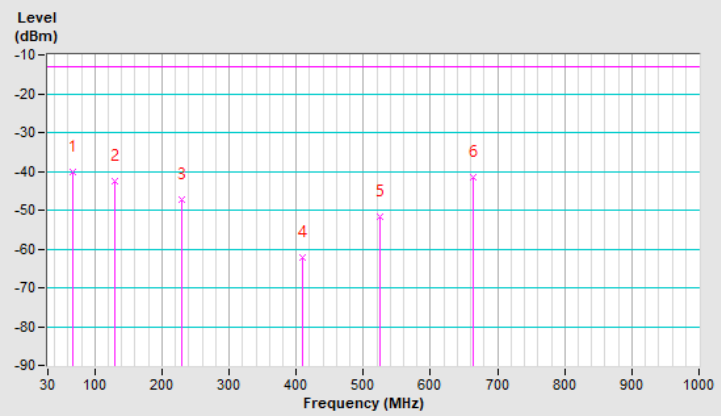
LTE Band 26, Channel Bandwidth 15MHz

Mode	TX channel 26915 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	67.83	-40.07	-13.00	-27.07	2.00 H	262	72.31	-112.38
2	129.91	-42.58	-13.00	-29.58	1.49 H	130	69.21	-111.79
3	228.85	-47.42	-13.00	-34.42	2.00 H	314	65.64	-113.06
4	409.27	-62.23	-13.00	-49.23	1.00 H	225	45.01	-107.24
5	524.70	-51.58	-13.00	-38.58	1.49 H	85	53.11	-104.69
6	663.41	-41.64	-13.00	-28.64	1.00 H	244	60.33	-101.97

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

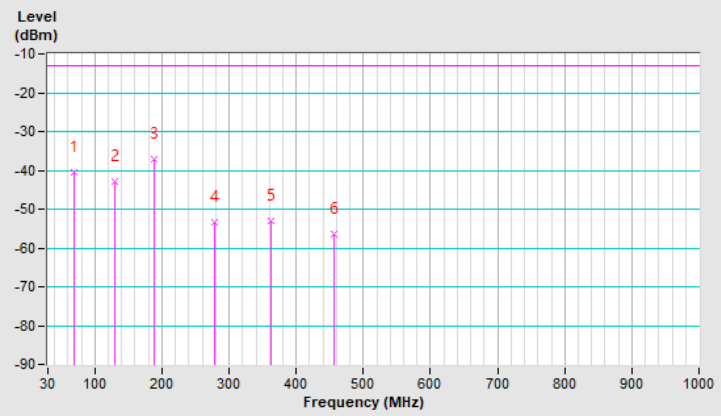


Mode	TX channel 26915 (836.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	68.80	-40.44	-13.00	-27.44	2.00 V	260	72.21	-112.65
2	129.91	-42.96	-13.00	-29.96	1.50 V	132	68.83	-111.79
3	189.08	-37.05	-13.00	-24.05	1.50 V	175	76.11	-113.16
4	278.32	-53.28	-13.00	-40.28	1.01 V	332	57.04	-110.32
5	361.74	-52.92	-13.00	-39.92	1.50 V	16	55.56	-108.48
6	455.83	-56.45	-13.00	-43.45	1.50 V	183	49.38	-105.83

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



Above 1GHz
LTE Band 5, Channel Bandwidth 1.4MHz

Mode	TX channel 20407 (824.7MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1649.40	-59.10	-13.00	-46.10	1.07 H	159	44.84	-103.94
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	1649.40	-57.85	-13.00	-44.85	1.35 V	204	46.09	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-59.15	-13.00	-46.15	1.10 H	163	44.80	-103.95
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	1673.00	-57.78	-13.00	-44.78	1.43 V	205	46.17	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20643 (848.3MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1696.60	-59.10	-13.00	-46.10	1.12 H	157	44.85	-103.95
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	1696.60	-57.86	-13.00	-44.86	1.34 V	202	46.09	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 5, Channel Bandwidth 5MHz

Mode	TX channel 20425 (826.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1653.00	-59.13	-13.00	-46.13	1.12 H	148	44.80	-103.93
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	1653.00	-57.83	-13.00	-44.83	1.43 V	202	46.10	-103.93

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-59.10	-13.00	-46.10	1.08 H	161	44.85	-103.95
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	1673.00	-57.84	-13.00	-44.84	1.40 V	205	46.11	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20625 (846.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1693.00	-59.13	-13.00	-46.13	1.06 H	160	44.82	-103.95
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	1693.00	-57.83	-13.00	-44.83	1.43 V	206	46.12	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 5, Channel Bandwidth 10MHz

Mode	TX channel 20450 (829.0MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1658.00	-59.07	-13.00	-46.07	1.06 H	161	44.87	-103.94
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	1658.00	-57.79	-13.00	-44.79	1.36 V	207	46.15	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20525 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-58.87	-13.00	-45.87	1.14 H	159	45.08	-103.95
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	1673.00	-57.68	-13.00	-44.68	1.43 V	205	46.27	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 20600 (844.0MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1688.00	-59.13	-13.00	-46.13	1.04 H	160	44.82	-103.95
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	1688.00	-57.80	-13.00	-44.80	1.41 V	202	46.15	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 1.4MHz

Mode	TX channel 26797 (824.7MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1649.40	-59.64	-13.00	-46.64	1.23 H	156	44.30	-103.94
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	1649.40	-57.40	-13.00	-44.40	1.70 V	222	46.54	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-59.62	-13.00	-46.62	1.25 H	155	44.33	-103.95
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	1673.00	-57.40	-13.00	-44.40	1.66 V	218	46.55	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 27033 (848.3MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1696.60	-59.64	-13.00	-46.64	1.30 H	157	44.31	-103.95
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	1696.60	-57.41	-13.00	-44.41	1.74 V	220	46.54	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 5MHz

Mode	TX channel 26815 (826.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1653.00	-59.57	-13.00	-46.57	1.25 H	159	44.36	-103.93
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	1653.00	-57.37	-13.00	-44.37	1.65 V	217	46.56	-103.93

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-59.58	-13.00	-46.58	1.23 H	156	44.37	-103.95
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	1673.00	-57.45	-13.00	-44.45	1.73 V	223	46.50	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 27015 (846.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1693.00	-59.68	-13.00	-46.68	1.31 H	156	44.27	-103.95
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	1693.00	-57.39	-13.00	-44.39	1.66 V	218	46.56	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE Band 26, Channel Bandwidth 15MHz

Mode	TX channel 26865 (831.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1663.00	-59.66	-13.00	-46.66	1.27 H	157	44.29	-103.95
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	1663.00	-57.40	-13.00	-44.40	1.69 V	224	46.55	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26915 (836.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1673.00	-59.38	-13.00	-46.38	1.27 H	155	44.57	-103.95
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	1673.00	-57.28	-13.00	-44.28	1.74 V	217	46.67	-103.95

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

Mode	TX channel 26965 (841.5MHz)	Frequency Range	1GHz ~ 9GHz
Environmental Conditions	21deg. C, 67%RH	Input Power	12Vdc
Tested By	Edison Lee		

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	1683.00	-59.63	-13.00	-46.63	1.23 H	152	44.31	-103.94
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	1683.00	-57.46	-13.00	-44.46	1.69 V	218	46.48	-103.94

Remarks:

1. ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 - 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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