FCC Test Report (PART 24)

Report No.:	RF180503E05-1
FCC ID:	MCLT77W980
Test Model:	T77W980
Received Date:	May 03, 2018
Test Date:	May 10 to 24, 2018
Issued Date:	June 19, 2018
Applicant:	HON HAI PRECISION IND. CO., LTD.
Address:	5F-1,5 Hsin-An Road Hsinchu, Science-Based Industrial Park Taiwan, R.O.C.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
FCC Registration / Designation Number:	723255 / TW2022

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Release Control Record

Issue No.	Description	Date Issued
RF180503E05-1	Original release.	June 19, 2018

1 Certificate of Conformity

Product:	Gigabit RF Card
Brand:	FOXCONN
Test Model:	T77W980
Sample Status:	ENGINEERING SAMPLE
Applicant:	HON HAI PRECISION IND. CO., LTD.
Test Date:	May 10 to 24, 2018
Standards:	FCC Part 24, Subpart E

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 EMC characteristics under the conditions specified in this report.

Prepared by : _____ , **Date:** June 19, 2018

Wendy Wu / Specialist

Approved by : _____ , **Date:** June 19, 2018

May Chen / Manager

2 Summary of Test Results

Applied Standard: FCC Part 24 & Part 2			
FCC Clause	Test Item	Result	Remarks
2.1046 24.232	Equivalent Isotropically Radiated Power	PASS	Meet the requirement of limit.
2.1046 24.232(d)	Peak To Average Ratio	PASS	Meet the requirement of limit.
2.1047	Modulation characteristics	PASS	Meet the requirement
2.1055 24.235	Frequency Stability	PASS	Meet the requirement of limit.
2.1049 24.238(b)	Occupied Bandwidth	PASS	Meet the requirement of limit.
24.238(b)	Band Edge Measurements	PASS	Meet the requirement of limit.
2.1051 24.238	Conducted Spurious Emissions	PASS	Meet the requirement of limit.
2.1053 24.238	Radiated Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -22.72dB at 17167.5MHz.

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	30MHz ~ 1GHz	5.53 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	5.08 dB
	6GHz ~ 18GHz	4.98 dB
	18GHz ~ 40GHz	5.19 dB

2.2 Test Site and Instruments

For radiated spurious emissions test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY50010156	July 12, 2017	July 11, 2018
Pre-Amplifier EMCI	EMC001340	980142	Feb. 09, 2018	Feb. 08, 2019
Loop Antenna(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001 LOOPCAB-002	Jan. 15, 2018	Jan. 14, 2019
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	May 05, 2018	May 04, 2019
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 29, 2017	Nov. 28, 2018
RF Cable	8D	966-3-1 966-3-2 966-3-3	Mar. 20, 2018	Mar. 19, 2019
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Oct. 03, 2017	Oct. 02, 2018
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Dec. 12, 2017	Dec. 11, 2018
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-1200 EMC104-SM-SM-2000 EMC104-SM-SM-5000	160922 150317 150322	Jan. 29, 2018	Jan. 28, 2019
Spectrum Analyzer Keysight	N9030A	MY54490679	July 25, 2017	July 24, 2018
Pre-Amplifier EMCI	EMC184045SE	980386	Jan. 29, 2018	Jan. 28, 2019
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 14, 2017	Dec. 13, 2018
RF Cable	EMC102-KM-KM-1200	160924	Jan. 29, 2018	Jan. 28, 2019
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 3.
4. The CANADA Site Registration No. is 20331-1
5. Loop antenna was used for all emissions below 30 MHz.
6. Tested Date: May 21 to 23, 2018

For other test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	July 1, 2017	June 30, 2018
Spectrum Analyzer Agilent	E4446A	MY48250254	Nov. 21, 2017	Nov. 20, 2018
Power meter Anritsu	ML2495A	1014008	May 09, 2018	May 08, 2019
Power sensor Anritsu	MA2411B	0917122	May 09, 2018	May 08, 2019
AC Power Source Extech Electronics	6205	1440452	NA	NA
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	Jan. 10, 2018	Jan. 09, 2019
DC Power Supply Topward	6603D	795558	NA	NA
True RMS Clamp Meter FLUKE	325	31130711WS	May 29, 2017	May 28, 2018
ESG Vector signal generator Agilent	E4438C	MY45094468/005 506 602 UK6 UNJ	Nov. 26, 2017	Nov. 25, 2018
ESG Vector signal generator Agilent	E4438C	MY47271330 506 602 UNJ	Oct. 11, 2017	Oct. 10, 2018
Mech Switch Absorptive Mini-Circuits	MSP4TA-18+	0140	Feb. 12, 2018	Feb. 11, 2019
FXD ATTEN Mini-Circuits	BW-S3W2+	MN71981	Feb. 12, 2018	Feb. 11, 2019
Software	ADT_RF Test Software V6.6.5.4	NA	NA	NA
LTE Wireless Communication Test Set Keysight	E7515A	MY56030229	Mar. 14, 2018	Mar. 13, 2019

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Tested Date: May 10 to 24, 2018

3 General Information

3.1 General Description of EUT

Product	Gigabit RF Card	
Brand	FOXCONN	
Test Model	T77W980	
Status of EUT	ENGINEERING SAMPLE	
Power Supply Rating	DC 3.3V from host equipment	
Modulation Type	WCDMA, HSDPA, HSUPA	BPSK
	LTE Band 2	QPSK, 16QAM, 64QAM
	LTE Band 25	QPSK, 16QAM, 64QAM
Operating Frequency	WCDMA, HSDPA, HSUPA	1852.4MHz ~ 1907.6MHz
	LTE Band 2	1850.7MHz ~ 1909.3MHz
	LTE Band 25	1850.7MHz ~ 1914.3MHz
Max. EIRP Power	WCDMA Band 2	29.84dBm
	LTE Band 2 (Channel Bandwidth 1.4MHz)	28.90dBm
	LTE Band 2 (Channel Bandwidth 3MHz)	28.96dBm
	LTE Band 2 (Channel Bandwidth 5MHz)	28.93dBm
	LTE Band 2 (Channel Bandwidth 10MHz)	28.92dBm
	LTE Band 2 (Channel Bandwidth 15MHz)	29.08dBm
	LTE Band 2 (Channel Bandwidth 20MHz)	29.12dBm
	LTE Band 25 (Channel Bandwidth 1.4MHz)	28.77dBm
	LTE Band 25 (Channel Bandwidth 3MHz)	28.82dBm
	LTE Band 25 (Channel Bandwidth 5MHz)	28.82dBm
	LTE Band 25 (Channel Bandwidth 10MHz)	28.83dBm
	LTE Band 25 (Channel Bandwidth 15MHz)	28.82dBm
	LTE Band 25 (Channel Bandwidth 20MHz)	28.90dBm

Emission Designator	WCDMA Band 2	4M14F9W
	LTE Band 2 (Channel Bandwidth 1.4MHz)	QPSK: 1M09G7D 16QAM: 1M09D7W 64QAW: 1M10D7W
	LTE Band 2 (Channel Bandwidth 3MHz)	QPSK: 2M70G7D 16QAM: 2M69D7W 64QAW: 2M70D7W
	LTE Band 2 (Channel Bandwidth 5MHz)	QPSK: 4M51G7D 16QAM: 4M50D7W 64QAW: 4M50D7W
	LTE Band 2 (Channel Bandwidth 10MHz)	QPSK: 9M00G7D 16QAM: 8M96D7W 64QAW: 9M00D7W
	LTE Band 2 (Channel Bandwidth 15MHz)	QPSK: 13M5G7D 16QAM: 13M5D7W 64QAW: 13M5D7W
	LTE Band 2 (Channel Bandwidth 20MHz)	QPSK: 18M0G7D 16QAM: 18M0D7W 64QAW: 18M0D7W
	LTE Band 25 (Channel Bandwidth 1.4MHz)	QPSK: 1M09G7D 16QAM: 1M09D7W 64QAW: 1M10D7W
	LTE Band 25 (Channel Bandwidth 3MHz)	QPSK: 2M70G7D 16QAM: 2M69D7W 64QAW: 2M69D7W
	LTE Band 25 (Channel Bandwidth 5MHz)	QPSK: 4M51G7D 16QAM: 4M50D7W 64QAW: 4M49D7W
	LTE Band 25 (Channel Bandwidth 10MHz)	QPSK: 8M98G7D 16QAM: 8M96D7W 64QAW: 8M98D7W
	LTE Band 25 (Channel Bandwidth 15MHz)	QPSK: 13M5G7D 16QAM: 13M5D7W 64QAW: 13M5D7W
	LTE Band 25 (Channel Bandwidth 20MHz)	QPSK: 18M0G7D 16QAM: 18M0D7W 64QAW: 18M0D7W
Antenna Type	Refer to Note	
Antenna Connector	Refer to Note	
Accessory Device	NA	
Data Cable Supplied	NA	

Note:

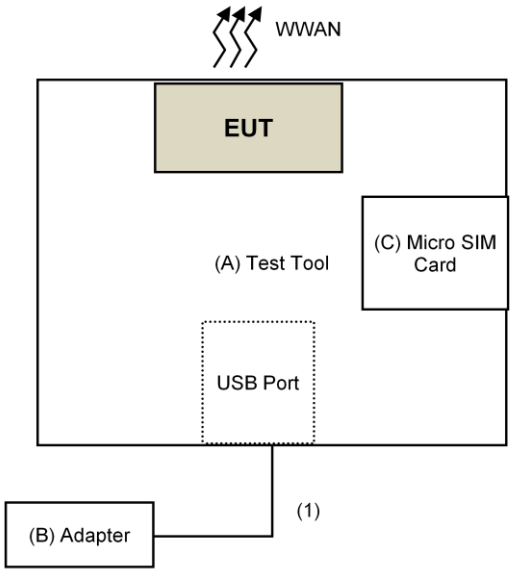
1. The antennas provided to the EUT, please refer to the following table:

Antenna No.	Antenna Gain(dBi)	Frequency range (MHz)	Antenna Type	Connecter Type	Cable Length
1	Please refer to below table	699~803	PIFA	i-pex(MHF)	100mm
2	Please refer to below table	791~960 1447.9~1606	PIFA	i-pex(MHF)	100mm
3	Please refer to below table	1710~2170 2500~2690	PIFA	i-pex(MHF)	100mm
4	Please refer to below table	5110~5925 (for LAA RX)	PIFA	i-pex(MHF)	100mm
5	Please refer to below table	2305~2315	Dipole	i-pex(MHF)	80mm

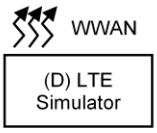
Antenna gain list			
Antenna No.	Band	Freq. Range (MHz)	Gain (dBi)
3	WCDMA II (B2)	1850~1910	4.92
3	WCDMA IV (B4)	1710~1755	5.99
2	WCDMA V (B5)	824~849	2.68
3	LTE Band (2)	1850~1910	4.92
3	LTE Band (4)	1710~1755	5.99
2	LTE Band (5)	824~849	2.68
3	LTE Band (7)	2500~2570	5.2
1	LTE Band (12)	698~716	4.17
1	LTE Band (13)	777~787	3.05
1	LTE Band (14)	788~798	2.87
1	LTE Band (17)	704~716	4.17
3	LTE Band (25)	1850~1915	4.92
2	LTE Band (26)	814~849	2.92
5	LTE Band (30)	2305~2315	3.02
3	LTE Band (38)	2570~2620	4.82
3	LTE Band (41)	2496~2690	5.38
3	LTE Band (66)	1710~1780	5.99
1	LTE Band (71)	663~698	3.83

2. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

3.2 Configuration of System under Test



Remote Site



3.2.1 Description Of Support Units

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Test Tool	Foxconn	T77W980	NA	NA	Supplied by client
B.	Adapter	ASUS	EXA1205UA	NA	NA	Provided by Lab
C.	SIM Card	NA	NA	NA	NA	Provided by Lab
D.	Simulator	Keysight	E7515A	MY56030229	NA	Provided by Lab

Note:

1. All power cords of the above support units are non-shielded (1.8m).

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	USB Cable	1	1	Yes	0	Provided by Lab

3.3 Test Mode Applicability and Tested Channel Detail

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

WCDMA Band 2

Test Item	Available Channel	Tested Channel	Mode
EIRP	9262 to 9538	9262, 9400, 9538	WCDMA
Frequency Stability	9262 to 9538	9262, 9538	WCDMA
Occupied Bandwidth	9262 to 9538	9262, 9400, 9538	WCDMA
Band Edge	9262 to 9538	9262, 9538	WCDMA
Peak to Average Ratio	9262 to 9538	9262, 9400, 9538	WCDMA
Conducted Emission	9262 to 9538	9262, 9400, 9538	WCDMA
Radiated Emission Below 1GHz	9262 to 9538	9262, 9400, 9538	WCDMA
Radiated Emission Above 1GHz	9262 to 9538	9262, 9400, 9538	WCDMA

LTE Band 2

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	18607 to 19193	18607, 18900 19193	1.4MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
Frequency Stability	18607 to 19193	18607, 19193	1.4MHz	QPSK	-
	18615 to 19185	18615, 19185	3MHz	QPSK	-
	18625 to 19175	18625, 19175	5MHz	QPSK	-
	18650 to 19150	18650, 19150	10MHz	QPSK	-
	18675 to 19125	18675, 19125	15MHz	QPSK	-
	18700 to 19100	18700, 19100	20MHz	QPSK	-
Occupied Bandwidth	18607 to 19193	18607, 18900 19193	1.4MHz	QPSK/16QAM/64QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK/16QAM/64QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK/16QAM/64QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK/16QAM/64QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK/16QAM/64QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK/16QAM/64QAM	Full RB
Peak to Average Ratio	18607 to 19193	18607, 18900 19193	1.4MHz	QPSK/16QAM/64QAM	Full RB
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK/16QAM/64QAM	Full RB
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK/16QAM/64QAM	Full RB
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK/16QAM/64QAM	Full RB
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK/16QAM/64QAM	Full RB
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK/16QAM/64QAM	Full RB
Band Edge	18607 to 19193	18607	1.4MHz	QPSK	1 RB / 0 RB Offset
		19193			1 RB / 5 RB Offset
		18607, 19193			6 RB / 0 RB Offset
	18615 to 19185	18615	3MHz	QPSK	1 RB / 0 RB Offset
		19185			1 RB / 14 RB Offset
		18615, 19185			15 RB / 0 RB Offset
	18625 to 19175	18625,	5MHz	QPSK	1 RB / 0 RB Offset
		19175			1 RB / 24 RB Offset
		18625, 19175			25 RB / 0 RB Offset
	18650 to 19150	18650	10MHz	QPSK	1 RB / 0 RB Offset
		19150			1 RB / 49 RB Offset
		18650, 19150			50 RB / 0 RB Offset
	18675 to 19125	18675,	15MHz	QPSK	1 RB / 0 RB Offset
		19125			1 RB / 74 RB Offset
		18675, 19125			75 RB / 0 RB Offset
	18700 to 19100	18700.	20MHz	QPSK	1 RB / 0 RB Offset
		19100			1 RB / 99 RB Offset
		18700. 19100			100 RB / 0 RB Offset
Conducted Emission	18607 to 19193	18607, 18900 19193	1.4MHz	QPSK	1 RB / 0 RB Offset
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB / 0 RB Offset
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB / 0 RB Offset
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB / 0 RB Offset
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK	1 RB / 0 RB Offset
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK	1 RB / 0 RB Offset
Radiated Emission	18607 to 19193	18607, 18900 19193	1.4MHz	QPSK	1 RB / 0 RB Offset
	18615 to 19185	18615, 18900, 19185	3MHz	QPSK	1 RB / 0 RB Offset
	18625 to 19175	18625, 18900, 19175	5MHz	QPSK	1 RB / 0 RB Offset
	18650 to 19150	18650, 18900, 19150	10MHz	QPSK	1 RB / 0 RB Offset
	18675 to 19125	18675, 18900, 19125	15MHz	QPSK	1 RB / 0 RB Offset
	18700 to 19100	18700, 18900, 19100	20MHz	QPSK	1 RB / 0 RB Offset

LTE Band 25

TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
EIRP	26047 to 26683	26047, 26365, 26683	1.4MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	26090 to 26640	26090, 26365, 26640	10MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK/16QAM/64QAM	1RB / 0 RB offset
Frequency Stability	26047 to 26683	26047, 26683	1.4MHz	QPSK	-
	26055 to 26675	26055, 26675	3MHz	QPSK	-
	26065 to 26665	26065, 26665	5MHz	QPSK	-
	26090 to 26640	26090, 26640	10MHz	QPSK	-
	26115 to 26615	26115, 26615	15MHz	QPSK	-
	26140 to 26590	26140, 26590	20MHz	QPSK	-
Occupied Bandwidth	26047 to 26683	26047, 26365, 26683	1.4MHz	QPSK/16QAM/64QAM	Full RB
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK/16QAM/64QAM	Full RB
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK/16QAM/64QAM	Full RB
	26090 to 26640	26090, 26365, 26640	10MHz	QPSK/16QAM/64QAM	Full RB
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK/16QAM/64QAM	Full RB
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK/16QAM/64QAM	Full RB
Peak to Average Ratio	26047 to 26683	26047, 26365, 26683	1.4MHz	QPSK/16QAM/64QAM	Full RB
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK/16QAM/64QAM	Full RB
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK/16QAM/64QAM	Full RB
	26090 to 26640	26090, 26365, 26640	10MHz	QPSK/16QAM/64QAM	Full RB
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK/16QAM/64QAM	Full RB
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK/16QAM/64QAM	Full RB
Band Edge	26047 to 26683	26047	1.4MHz	QPSK	1 RB / 0 RB Offset
		26683			1 RB / 5 RB Offset
		26047, 26683			6 RB / 0 RB Offset
	26055 to 26675	26055	3MHz	QPSK	1 RB / 0 RB Offset
		26675			1 RB / 14 RB Offset
		26055, 26675			15 RB / 0 RB Offset
	26065 to 26665	26065	5MHz	QPSK	1 RB / 0 RB Offset
		26665			1 RB / 24 RB Offset
		26065, 26665			25 RB / 0 RB Offset
	26090 to 26640	26090	10MHz	QPSK	1 RB / 0 RB Offset
		26640			1 RB / 49 RB Offset
		26090, 26640			50 RB / 0 RB Offset
	26115 to 26615	26115	15MHz	QPSK	1 RB / 0 RB Offset
		26615			1 RB / 74 RB Offset
		26115, 26615			75 RB / 0 RB Offset
	26140 to 26590	26140	20MHz	QPSK	1 RB / 0 RB Offset
		26590			1 RB / 99 RB Offset
		26140, 26590			100 RB / 0 RB Offset
Conducted Emission	26047 to 26683	26047, 26365, 26683	1.4MHz	QPSK	1RB / 0 RB offset
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK	1RB / 0 RB offset
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK	1RB / 0 RB offset
	26090 to 26640	26090, 26365, 26640	10MHz	QPSK	1RB / 0 RB offset
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK	1RB / 0 RB offset
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK	1RB / 0 RB offset
Radiated Emission	26047 to 26683	26047, 26365, 26683	1.4MHz	QPSK	1RB / 0 RB offset
	26055 to 26675	26055, 26365, 26675	3MHz	QPSK	1RB / 0 RB offset
	26065 to 26665	26065, 26365, 26665	5MHz	QPSK	1RB / 0 RB offset
	26090 to 26640	26090, 26365, 26640	10MHz	QPSK	1RB / 0 RB offset
	26115 to 26615	26115, 26365, 26615	15MHz	QPSK	1RB / 0 RB offset
	26140 to 26590	26140, 26365, 26590	20MHz	QPSK	1RB / 0 RB offset

NOTE:
All supported modulation types were evaluated.The Worst case of QPSK was selected. Therefore, the Band Edge, Frequency Stability, Condcudeted Emission and Radiated Emission were presented under QPSK mode only.

Test Condition:

Test Item	Environmental Conditions	Input Power (System)	Tested By
EIRP	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng
Frequency Stability	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng
Occupied Bandwidth	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng
Band Edge	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng
Peak to Average Ratio	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng
Condcudeted Emission	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng
Radiated Emission Below 1GHz	24deg. C, 61%RH 21deg. C, 63%RH 20deg. C, 62%RH	120Vac, 60Hz	Eason Tseng
Radiated Emission Above 1GHz	22deg. C, 62%RH 23deg. C, 64%RH	120Vac, 60Hz	Eason Tseng

3.4 EUT Operating Conditions

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

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

FCC 47 CFR Part 2

FCC 47 CFR Part 24, Subpart E

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

NOTE: 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 2 watts e.i.r.p.

4.1.2 Test Procedures

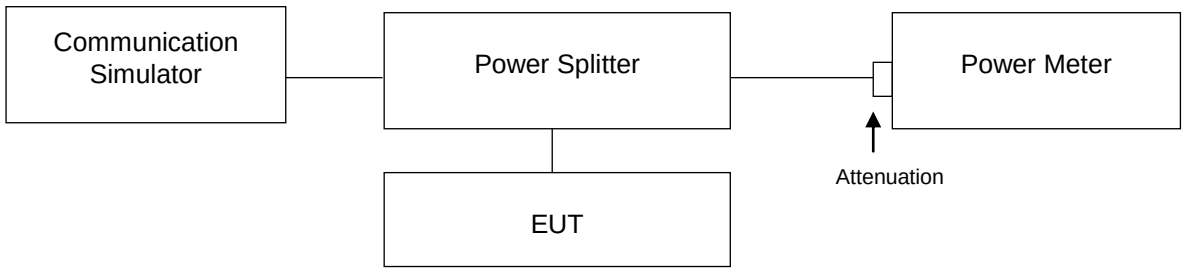
Conducted Power Measurement:

The EUT was set up for the maximum power with WCDMA/LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and difference RB size/ RB offset for difference bandwidth record the power level shown on power meter.

EIRP Measurement:

a. EIRP = Conducted Output power level + Antenna gain.

4.1.3 Test Setup



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

4.1.4 Test Results

CONDUCTED OUTPUT POWER (dBm)

Band	WCDMA B2		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC	24.01	24.92	24.09
HSDPA Subtest-1	23.51	24.63	23.79
HSDPA Subtest-2	23.79	24.24	23.85
HSDPA Subtest-3	23.49	24.26	23.69
HSDPA Subtest-4	23.65	24.24	23.88
HSUPA Subtest-1	23.42	24.65	23.51
HSUPA Subtest-2	23.54	24.50	23.84
HSUPA Subtest-3	23.34	24.54	23.69
HSUPA Subtest-4	23.76	24.39	23.59
HSUPA Subtest-5	23.42	24.43	23.52

LTE Band 2

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			18607	18900	19193		18607	18900	19193		18607	18900	19193	
			1850.7	1880	1909.3		1850.7	1880	1909.3		1850.7	1880	1909.3	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
2 / 1.4M	1	0	23.80	23.61	23.98	0	22.79	22.86	23.01	1	21.57	21.41	21.88	2
	1	2	23.84	23.71	23.96	0	22.77	22.81	22.87	1	21.66	21.56	21.87	2
	1	5	23.78	23.59	23.97	0	22.69	22.91	22.79	1	21.27	21.50	21.75	2
	3	0	23.81	23.60	23.95	0	22.68	22.78	22.88	1	21.21	21.59	21.85	2
	3	1	23.84	23.73	22.87	0	22.86	22.84	23.00	1	21.17	21.56	20.64	2
	3	3	23.77	23.61	23.92	0	22.88	22.79	22.91	1	21.08	21.43	21.70	2
	6	0	22.88	22.63	22.96	1	21.75	21.65	21.86	2	20.11	20.35	20.67	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			18615	18900	19185		18615	18900	19185		18615	18900	19185	
			1851.5	1880	1908.5		1851.5	1880	1908.5		1851.5	1880	1908.5	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
2 / 3M	1	0	23.87	23.64	24.04	0	22.06	22.68	22.20	1	21.80	21.87	21.97	2
	1	7	23.97	23.71	24.03	0	22.14	22.55	22.33	1	21.73	21.18	21.96	2
	1	14	23.84	23.63	23.03	0	22.12	22.65	22.16	1	21.71	21.40	20.84	2
	8	0	22.78	22.69	22.91	1	21.77	21.63	21.97	2	20.65	20.65	20.78	3
	8	3	22.75	22.71	22.89	1	21.88	21.62	21.99	2	20.50	20.64	20.60	3
	8	7	22.85	22.69	22.98	1	21.87	21.64	21.98	2	20.63	20.68	20.92	3
	15	0	22.81	22.66	22.11	1	21.84	22.67	21.04	2	20.77	20.46	19.88	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			18625	18900	19175		18625	18900	19175		18625	18900	19175	
			1852.5	1880	1907.5		1852.5	1880	1907.5		1852.5	1880	1907.5	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
2 / 5M	1	0	23.87	23.68	24.01	0	22.91	22.99	22.95	1	21.73	21.40	21.92	2
	1	12	23.92	23.67	24.00	0	22.79	22.95	22.93	1	21.71	21.30	21.86	2
	1	24	23.82	22.68	23.95	0	22.80	22.90	22.92	1	21.81	21.33	21.91	2
	12	0	22.76	22.70	22.97	1	21.85	21.80	21.51	2	20.74	20.11	20.84	3
	12	6	22.90	22.62	22.97	1	21.86	21.75	21.76	2	20.70	20.05	20.96	3
	12	13	22.86	22.77	23.01	1	21.88	21.75	21.85	2	20.75	20.19	20.94	3
	25	0	22.85	22.72	22.99	1	21.97	21.88	21.78	2	20.61	20.08	20.73	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			18650	18900	19150		18650	18900	19150		18650	18900	19150	
			1855	1880	1905		1855	1880	1905		1855	1880	1905	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
2 / 10M	1	0	23.90	23.89	24.00	0	22.99	22.74	22.81	1	21.88	21.64	21.79	2
	1	24	23.84	23.78	23.93	0	22.97	22.57	22.92	1	21.65	21.72	21.73	2
	1	49	23.82	23.67	23.01	0	22.83	22.58	22.63	1	21.62	21.40	21.00	2
	25	0	22.91	22.64	22.81	1	21.95	21.94	21.65	2	20.62	20.10	20.68	3
	25	12	22.84	22.67	22.90	1	21.85	21.92	21.62	2	20.60	20.11	20.65	3
	25	25	22.99	22.67	22.93	1	21.77	21.79	21.59	2	20.95	20.19	20.89	3
	50	0	22.80	22.63	22.48	1	21.79	21.89	21.81	2	20.60	20.21	20.29	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			18675	18900	19125		18675	18900	19125		18675	18900	19125	
			1857.5	1880	1902.5		1857.5	1880	1902.5		1857.5	1880	1902.5	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
2 / 15M	1	0	23.95	23.14	24.16	0	22.96	22.92	22.48	1	21.80	21.30	22.10	2
	1	37	23.60	23.67	24.11	0	22.78	22.84	22.91	1	21.58	21.11	22.09	2
	1	74	23.77	23.67	23.97	0	22.63	22.92	22.93	1	21.69	21.06	21.79	2
	36	0	22.77	22.78	22.89	1	21.88	21.71	21.80	2	20.71	20.05	20.82	3
	36	19	22.89	22.71	22.95	1	21.94	21.55	21.90	2	20.60	20.03	20.83	3
	36	39	22.80	22.73	22.99	1	21.83	21.58	21.76	2	20.76	20.08	20.74	3
	75	0	22.81	22.76	22.85	1	21.85	21.92	21.66	2	20.70	20.00	20.62	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			18700	18900	19100		18700	18900	19100		18700	18900	19100	
			1860	1880	1900		1860	1880	1900		1860	1880	1900	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
2 / 20M	1	0	23.84	23.74	24.20	0	22.06	22.64	22.85	1	21.76	21.18	21.73	2
	1	50	23.79	23.69	24.08	0	22.77	22.67	22.59	1	21.75	21.02	21.58	2
	1	99	23.68	23.64	23.10	0	22.74	22.58	22.84	1	21.64	21.01	21.47	2
	50	0	22.95	22.87	22.93	1	21.08	21.79	21.35	2	20.79	20.02	20.84	3
	50	25	22.78	22.73	22.92	1	21.86	21.93	21.30	2	20.75	19.99	20.71	3
	50	50	22.75	22.74	22.98	1	21.14	21.84	21.23	2	20.53	19.91	20.57	3
	100	0	22.79	22.70	22.97	1	21.91	21.91	21.16	2	20.70	20.00	20.58	3

LTE Band 25

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			26047	26365	26683		26047	26365	26683		26047	26365	26683	
			1850.7	1882.5	1914.3		1850.7	1882.5	1914.3		1850.7	1882.5	1914.3	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
25 / 1.4M	1	0	23.85	23.63	23.70	0	22.47	22.92	22.60	1	21.74	21.33	21.57	2
	1	2	23.68	23.70	23.78	0	22.39	22.85	22.62	1	21.49	21.17	21.64	2
	1	5	23.74	23.66	23.78	0	22.33	22.87	22.58	1	21.61	21.08	21.50	2
	3	0	23.84	23.69	23.84	0	22.27	22.82	22.69	1	21.73	21.02	21.69	2
	3	1	23.71	23.76	23.77	0	22.43	22.91	22.79	1	21.58	21.09	21.51	2
	3	3	23.74	23.66	23.67	0	22.49	22.87	22.72	1	21.53	21.25	21.52	2
	6	0	22.46	22.63	22.78	1	21.44	21.70	21.72	2	20.38	20.62	20.61	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			26055	26365	26675		26055	26365	26675		26055	26365	26675	
			1851.5	1882.5	1913.5		1851.5	1882.5	1913.5		1851.5	1882.5	1913.5	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
25 / 3M	1	0	23.49	23.47	23.90	0	22.70	22.36	22.98	1	21.47	21.13	21.87	2
	1	7	23.60	23.56	23.86	0	22.83	22.36	22.61	1	21.44	21.48	21.67	2
	1	14	23.47	23.47	22.84	0	22.72	22.47	22.43	1	21.25	21.44	20.63	2
	8	0	22.49	22.45	22.89	1	21.49	21.44	21.80	2	20.32	20.23	20.89	3
	8	3	22.45	22.48	22.84	1	21.54	21.41	21.83	2	20.34	20.30	20.77	3
	8	7	22.42	22.49	22.78	1	21.40	21.44	21.76	2	20.15	20.35	20.64	3
	15	0	22.54	22.50	23.89	1	21.52	21.46	21.87	2	20.50	20.35	20.68	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			26065	26365	26665		26065	26365	26665		26065	26365	26665	
			1852.5	1882.5	1912.5		1852.5	1882.5	1912.5		1852.5	1882.5	1912.5	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
25 / 5M	1	0	23.60	23.52	23.90	0	22.55	22.59	22.78	1	21.46	21.34	21.85	2
	1	12	23.58	23.48	23.76	0	22.40	22.74	22.77	1	21.40	21.13	21.56	2
	1	24	23.73	23.76	23.89	0	22.51	22.70	22.68	1	21.09	21.63	21.71	2
	12	0	22.50	22.42	22.87	1	21.32	21.49	21.94	2	20.26	20.96	20.82	3
	12	6	22.45	22.43	22.87	1	21.54	21.63	21.88	2	20.35	20.74	20.57	3
	12	13	22.45	22.54	22.82	1	21.60	21.53	21.88	2	20.40	20.55	20.75	3
	25	0	22.44	22.39	22.88	1	21.61	21.53	21.95	2	20.36	20.91	20.74	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			26090	26365	26640		26090	26365	26640		26090	26365	26640	
			1855	1882.5	1910		1855	1882.5	1910		1855	1882.5	1910	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
25 / 10M	1	0	23.56	23.61	23.91	0	22.77	22.42	22.54	1	21.50	21.40	21.65	2
	1	24	23.54	23.66	23.90	0	22.62	22.34	22.00	1	21.25	21.40	21.64	2
	1	49	23.63	23.60	23.80	0	22.62	22.37	22.09	1	21.58	21.57	21.58	2
	25	0	22.47	22.52	22.82	1	21.63	21.60	21.96	2	20.26	20.30	20.68	3
	25	12	22.50	22.39	22.90	1	21.63	21.62	21.91	2	20.30	20.30	20.67	3
	25	25	22.50	22.40	22.86	1	21.59	21.61	21.98	2	20.33	20.23	20.83	3
	50	0	22.46	22.46	22.92	1	21.58	21.56	21.92	2	20.31	20.27	20.82	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			26115	26365	26615		26115	26365	26615		26115	26365	26615	
			1857.5	1882.5	1907.5		1857.5	1882.5	1907.5		1857.5	1882.5	1907.5	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
25 / 15M	1	0	23.61	23.78	23.90	0	22.58	22.62	22.94	1	21.40	21.19	21.77	2
	1	37	23.65	23.71	23.81	0	22.31	22.67	22.67	1	21.51	21.51	21.68	2
	1	74	23.77	23.83	23.89	0	22.35	22.76	22.69	1	21.48	21.49	21.76	2
	36	0	22.50	22.42	22.94	1	21.64	21.35	21.32	2	20.22	20.09	20.82	3
	36	19	22.40	22.37	22.83	1	21.49	21.24	21.92	2	20.31	20.08	20.62	3
	36	39	22.53	22.54	22.80	1	21.57	21.35	21.82	2	20.38	20.00	20.66	3
	75	0	22.48	22.51	22.82	1	21.60	21.55	21.96	2	20.41	20.96	20.70	3

Band / BW	RB Size	RB Offset	QPSK			3GPP MPR (dB)	16QAM			3GPP MPR (dB)	64QAM			3GPP MPR (dB)
			Low CH	Mid CH	High CH		Low CH	Mid CH	High CH		Low CH	Mid CH	High CH	
			26140	26365	26590		26140	26365	26590		26140	26365	26590	
			1860	1882.5	1905		1860	1882.5	1905		1860	1882.5	1905	
			MHz	MHz	MHz		MHz	MHz	MHz		MHz	MHz	MHz	
25 / 20M	1	0	23.63	23.53	23.98	0	22.76	22.37	23.00	1	21.50	21.36	21.83	2
	1	50	23.39	23.51	23.84	0	22.66	22.50	22.05	1	21.15	21.23	21.79	2
	1	99	23.40	23.53	23.90	0	22.89	22.41	22.99	1	21.37	21.25	21.78	2
	50	0	22.52	22.56	22.83	1	21.70	21.63	21.99	2	20.24	20.08	20.71	3
	50	25	22.51	22.40	22.77	1	21.54	21.62	21.74	2	20.21	20.06	20.74	3
	50	50	22.50	22.53	22.80	1	21.78	21.69	21.97	2	20.31	20.09	20.55	3
	100	0	22.51	22.40	22.60	1	21.65	21.62	21.85	2	20.25	20.04	20.37	3

EIRP POWER

Band	WCDMA B2		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880	1907.6
RMC 12.2K	24.01	24.92	24.09
Gain (dBi)	4.92	4.92	4.92
Max EIRP Power (dBm)	28.93	29.84	29.01

LTE Band 2

Band 2 / 1.4M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	18607	18900	19193	18607	18900	19193	18607	18900	19193
	1850.7	1880	1909.3	1850.7	1880	1909.3	1850.7	1880	1909.3
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.80	23.61	23.98	22.79	22.86	23.01	21.57	21.41	21.88
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.72	28.53	28.90	27.71	27.78	27.93	26.49	26.33	26.80

Band 2 / 3M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	18615	18900	19185	18615	18900	19185	18615	18900	19185
	1851.5	1880	1908.5	1851.5	1880	1908.5	1851.5	1880	1908.5
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.87	23.64	24.04	22.06	22.68	22.20	21.80	21.87	21.97
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.79	28.56	28.96	26.98	27.60	27.12	26.72	26.79	26.89

Band 2 / 5M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	18625	18900	19175	18625	18900	19175	18625	18900	19175
	1852.5	1880	1907.5	1852.5	1880	1907.5	1852.5	1880	1907.5
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.87	23.68	24.01	22.91	22.99	22.95	21.73	21.40	21.92
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.79	28.60	28.93	27.83	27.91	27.87	26.65	26.32	26.84

Band 2 / 10M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	18650	18900	19150	18650	18900	19150	18650	18900	19150
	1855	1880	1905	1855	1880	1905	1855	1880	1905
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.90	23.89	24.00	22.99	22.74	22.81	21.88	21.64	21.79
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.82	28.81	28.92	27.91	27.66	27.73	26.80	26.56	26.71

Band 2 / 15M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	18675	18900	19125	18675	18900	19125	18675	18900	19125
	1857.5	1880	1902.5	1857.5	1880	1902.5	1857.5	1880	1902.5
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.95	23.14	24.16	22.96	22.92	22.48	21.80	21.30	22.10
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.87	28.06	29.08	27.88	27.84	27.40	26.72	26.22	27.02

Band 2 / 20M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	18700	18900	19100	18700	18900	19100	18700	18900	19100
	1860	1880	1900	1860	1880	1900	1860	1880	1900
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.84	23.74	24.20	22.06	22.64	22.85	21.76	21.18	21.73
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.76	28.66	29.12	26.98	27.56	27.77	26.68	26.10	26.65

LTE Band 25

Band 25 / 1.4M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	26047	26365	26683	26047	26365	26683	26047	26365	26683
	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3	1850.7	1882.5	1914.3
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.85	23.63	23.70	22.47	22.92	22.60	21.74	21.33	21.57
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.77	28.55	28.62	27.39	27.84	27.52	26.66	26.25	26.49

Band 25 / 3M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	26055	26365	26675	26055	26365	26675	26055	26365	26675
	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5	1851.5	1882.5	1913.5
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.49	23.47	23.90	22.70	22.36	22.98	21.47	21.13	21.87
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.41	28.39	28.82	27.62	27.28	27.90	26.39	26.05	26.79

Band 25 / 5M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	26065	26365	26665	26065	26365	26665	26065	26365	26665
	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5	1852.5	1882.5	1912.5
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.60	23.52	23.90	22.55	22.59	22.78	21.46	21.34	21.85
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.52	28.44	28.82	27.47	27.51	27.70	26.38	26.26	26.77

Band 25 / 10M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	26090	26365	26640	26090	26365	26640	26090	26365	26640
	1855	1882.5	1910	1855	1882.5	1910	1855	1882.5	1910
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.56	23.61	23.91	22.77	22.42	22.54	21.50	21.40	21.65
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.48	28.53	28.83	27.69	27.34	27.46	26.42	26.32	26.57

Band 25 / 15M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	26115	26365	26615	26115	26365	26615	26115	26365	26615
	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5	1857.5	1882.5	1907.5
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.61	23.78	23.90	22.58	22.62	22.94	21.40	21.19	21.77
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.53	28.70	28.82	27.50	27.54	27.86	26.32	26.11	26.69

Band 25 / 20M 1RB#0

Test Mode	QPSK			16QAM			64QAM		
	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH	Low CH	Mid CH	High CH
	26140	26365	26590	26140	26365	26590	26140	26365	26590
	1860	1882.5	1905	1860	1882.5	1905	1860	1882.5	1905
	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz	MHz
Max Cond. Power (dBm)	23.63	23.53	23.98	22.76	22.37	23.00	21.50	21.36	21.83
Gain (dBi)	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Max EIRP Power (dBm)	28.55	28.45	28.90	27.68	27.29	27.92	26.42	26.28	26.75

4.2 Modulation characteristics Measurement

4.2.1 Limits of Modulation characteristics

N/A

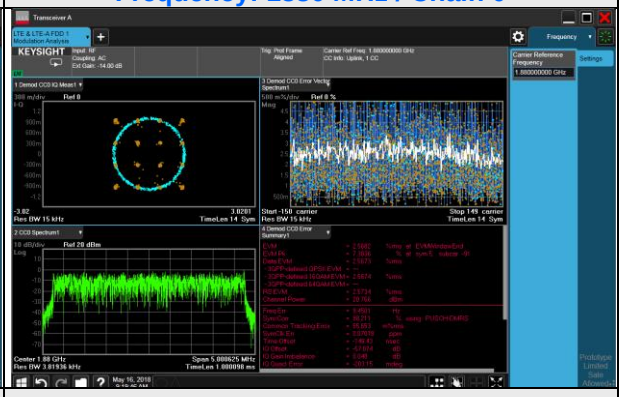
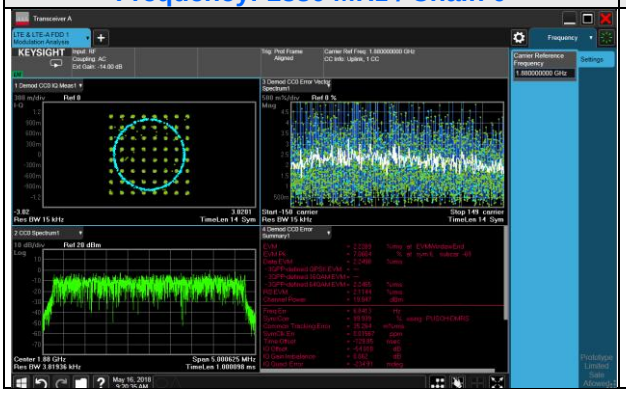
4.2.2 Test Procedure

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

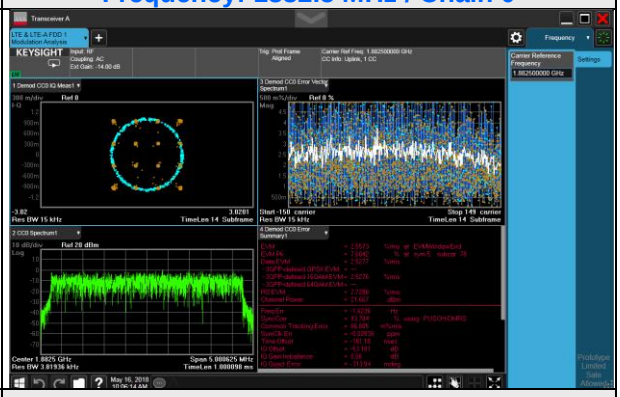
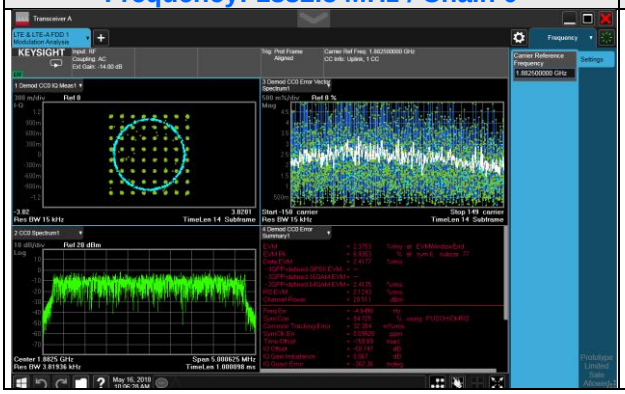
4.2.3 Test Setup

4.2.4 Test Results

LTE Band 2

QPSK / Channel Bandwidth: 20MHz / Frequency: 1880 MHz / Chain 0	16QAM / Channel Bandwidth: 20MHz / Frequency: 1880 MHz / Chain 0
	
64QAM / Channel Bandwidth: 20MHz / Frequency: 1880 MHz / Chain 0	
	

LTE Band 25

QPSK / Channel Bandwidth: 20MHz / Frequency: 1882.5 MHz / Chain 0	16QAM / Channel Bandwidth: 20MHz / Frequency: 1882.5 MHz / Chain 0
	
64QAM / Channel Bandwidth: 20MHz / Frequency: 1882.5 MHz / Chain 0	
	

4.3 Frequency Stability Measurement

4.3.1 Limits of Frequency Stabiliity Measurement

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

4.3.2 Test Procedure

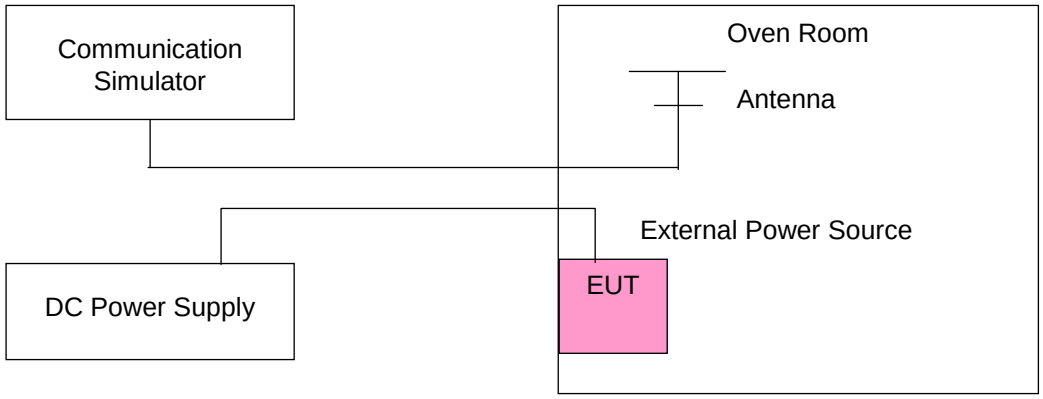
a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.

b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.

c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5 ℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

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

4.3.3 Test Setup



4.3.4 Test Results

WCDMA

Frequency Error vs. Voltage

Voltage (Volts)	Frequency Error (MHz)		Limit (MHz)	
	WCDMA			
	Low	High	Low Edge	High Edge
2.805	1852.399983	1907.599972	1850	1910
3.795	1852.399971	1907.599956	1850	1910

Frequency Error vs. Temperature.

TEMP. (℃)	Frequency Error (MHz)		Limit (MHz)	
	WCDMA			
	Low	High	Low Edge	High Edge
50	1852.399982	1907.599968	1850	1910
40	1852.399970	1907.599968	1850	1910
30	1852.399969	1907.599979	1850	1910
20	1852.399976	1907.599972	1850	1910
10	1852.399972	1907.599981	1850	1910
0	1852.399975	1907.599978	1850	1910
-10	1852.399973	1907.599968	1850	1910
-20	1852.399972	1907.599977	1850	1910
-30	1852.399971	1907.599970	1850	1910

LTE Band 2

Frequency Error vs. Voltage

Voltage (Volts)	Frequency Error (MHz)												Limit (MHz)	
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz			
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low Edge	High Edge
2.805	1850.150	1909.841	1850.161	1909.861	1850.260	1909.760	1850.521	1909.500	1850.811	1909.280	1851.080	1909.039	1850	1910
3.795	1850.151	1909.840	1850.161	1909.860	1850.259	1909.759	1850.520	1909.499	1850.810	1909.279	1851.079	1909.039	1850	1910

Frequency Error vs. Temperature

Temp. (℃)	Frequency Error (MHz)												Limit (MHz)	
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz			
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low Edge	High Edge
50	1850.151	1909.840	1850.160	1909.861	1850.260	1909.760	1850.521	1909.500	1850.810	1909.281	1851.079	1909.041	1850	1910
40	1850.151	1909.839	1850.159	1909.861	1850.260	1909.760	1850.520	1909.500	1850.810	1909.280	1851.079	1909.039	1850	1910
30	1850.149	1909.839	1850.159	1909.860	1850.260	1909.760	1850.519	1909.501	1850.810	1909.279	1851.079	1909.040	1850	1910
20	1850.150	1909.840	1850.160	1909.860	1850.260	1909.760	1850.520	1909.500	1850.810	1909.280	1851.080	1909.040	1850	1910
10	1850.150	1909.839	1850.161	1909.860	1850.260	1909.761	1850.520	1909.501	1850.810	1909.280	1851.081	1909.041	1850	1910
0	1850.149	1909.840	1850.161	1909.860	1850.260	1909.760	1850.519	1909.500	1850.811	1909.280	1851.079	1909.040	1850	1910
-10	1850.150	1909.840	1850.161	1909.860	1850.261	1909.760	1850.520	1909.500	1850.811	1909.280	1851.081	1909.039	1850	1910
-20	1850.149	1909.840	1850.160	1909.860	1850.260	1909.760	1850.520	1909.500	1850.811	1909.281	1851.080	1909.040	1850	1910
-30	1850.150	1909.840	1850.161	1909.860	1850.259	1909.760	1850.520	1909.501	1850.810	1909.280	1851.080	1909.040	1850	1910

LTE Band 25

Frequency Error vs. Voltage

Voltage (Volts)	Frequency Error (MHz)												Limit (MHz)	
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz			
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low Edge	High Edge
2.805	1850.149	1914.840	1850.160	1914.850	1850.251	1914.751	1850.520	1914.499	1850.780	1914.220	1851.079	1913.961	1850	1915
3.795	1850.151	1914.840	1850.160	1914.850	1850.251	1914.751	1850.520	1914.501	1850.780	1914.221	1851.080	1913.960	1850	1915

Frequency Error vs. Temperature

Temp. (℃)	Frequency Error (MHz)												Limit (MHz)	
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz			
	Low	High	Low	High	Low	High	Low	High	Low	High	Low	High	Low Edge	High Edge
50	1850.151	1914.840	1850.161	1914.850	1850.250	1914.751	1850.520	1914.500	1850.779	1914.219	1851.081	1913.961	1850	1915
40	1850.150	1914.839	1850.160	1914.850	1850.249	1914.751	1850.519	1914.501	1850.780	1914.219	1851.079	1913.960	1850	1915
30	1850.150	1914.839	1850.161	1914.850	1850.250	1914.751	1850.520	1914.500	1850.781	1914.219	1851.081	1913.960	1850	1915
20	1850.150	1914.840	1850.160	1914.850	1850.250	1914.750	1850.520	1914.500	1850.780	1914.220	1851.080	1913.960	1850	1915
10	1850.149	1914.840	1850.159	1914.850	1850.251	1914.750	1850.520	1914.499	1850.779	1914.220	1851.080	1913.961	1850	1915
0	1850.151	1914.839	1850.159	1914.851	1850.249	1914.750	1850.520	1914.501	1850.779	1914.221	1851.081	1913.960	1850	1915
-10	1850.151	1914.840	1850.160	1914.850	1850.249	1914.750	1850.521	1914.499	1850.779	1914.219	1851.079	1913.959	1850	1915
-20	1850.150	1914.841	1850.160	1914.850	1850.250	1914.749	1850.520	1914.500	1850.779	1914.219	1851.079	1913.959	1850	1915
-30	1850.149	1914.841	1850.160	1914.851	1850.251	1914.750	1850.519	1914.500	1850.781	1914.219	1851.079	1913.960	1850	1915

4.4 Occupied Bandwidth Measurement

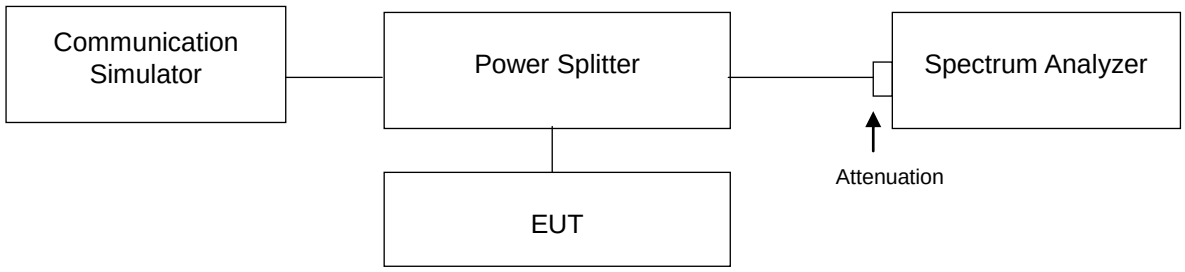
4.4.1 Test Procedure

All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The bandwidth of the fundamental frequency was measured by spectrum analyzer with RBW≥1% x OBW and VBW≥3 x VBW.

Occupied Bandwdith Measurement:
Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

26 dB Bandwidth Measurement:
The emission bandwidth is defined as the width of the signal between two points,one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26dB below the transmitter power.

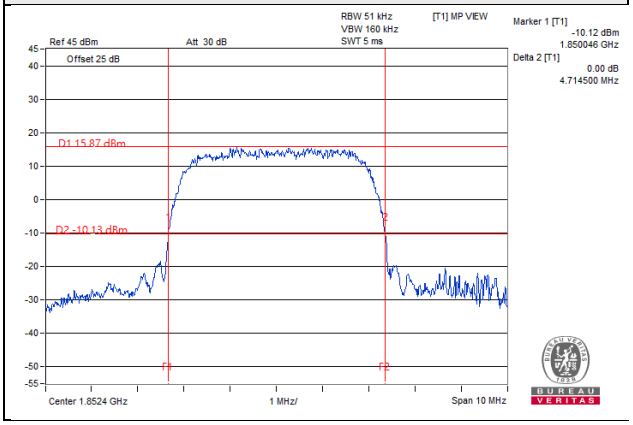
4.4.2 Test Setup



4.4.3 Test Result (-26dB Bandwidth)

Channel	Freq. (MHz)	-26dB Bandwidth (MHz)
		WCDMA B2
9262	1852.4	4.71
9400	1880.0	4.68
9538	1907.6	4.69

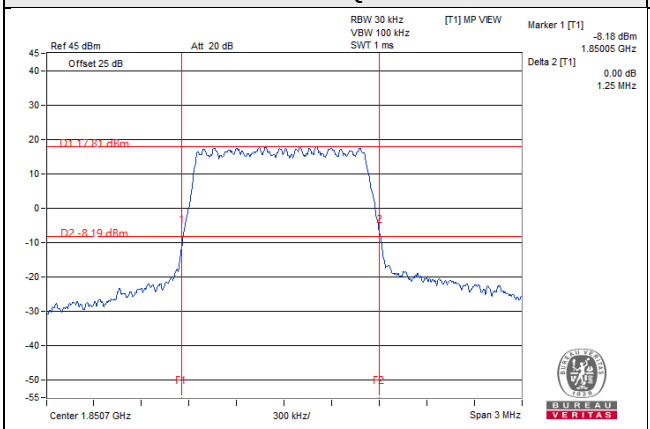
Spectrum Plot of Worst Value
WCDMA



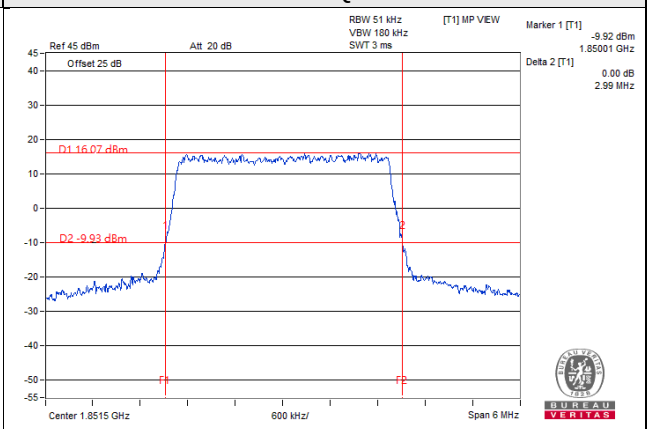
LTE Band 2									
Channel Bandwidth 1.4MHz					Channel Bandwidth 3MHz				
Channel	Frequency (MHz)	-26dB Bandwidth (MHz)			Channel	Frequency (MHz)	-26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18607	1850.7	1.25	1.24	1.25	18615	1851.5	2.99	2.99	2.99
18900	1880	1.23	1.24	1.24	18900	1880	2.99	2.97	2.99
19193	1909.3	1.25	1.24	1.24	19185	1908.5	2.99	2.99	2.96
Channel Bandwidth 5MHz					Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	-26dB Bandwidth (MHz)			Channel	Frequency (MHz)	-26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18625	1852.5	4.97	4.96	4.95	18650	1855	9.84	9.73	9.84
18900	1880	4.93	4.96	4.92	18900	1880	9.85	9.78	9.80
19175	1907.5	4.96	4.90	4.96	19150	1905	9.80	9.73	9.77
Channel Bandwidth 15MHz					Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	-26dB Bandwidth (MHz)			Channel	Frequency (MHz)	-26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18675	1857.5	14.66	14.60	14.62	18700	1860	19.48	19.52	19.41
18900	1880	14.65	14.73	14.72	18900	1880	19.59	19.54	19.53
19125	1902.5	14.65	14.72	14.67	19100	1900	19.74	19.61	19.51

Spectrum Plot of Worst Value

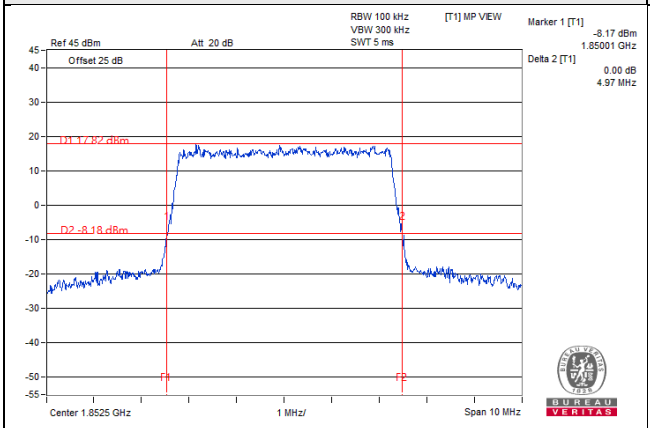
1.4MHz / QPSK



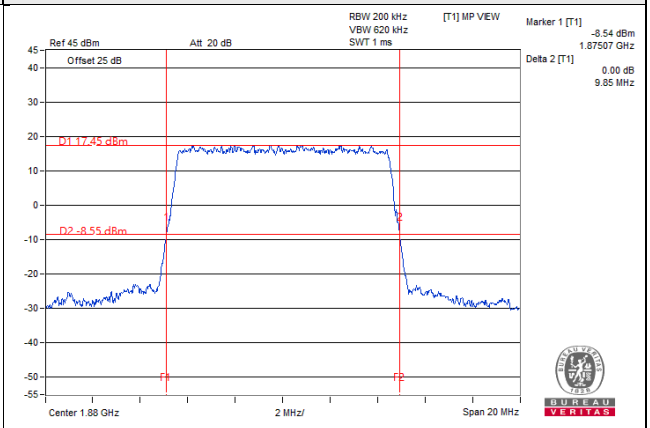
3MHz / QPSK



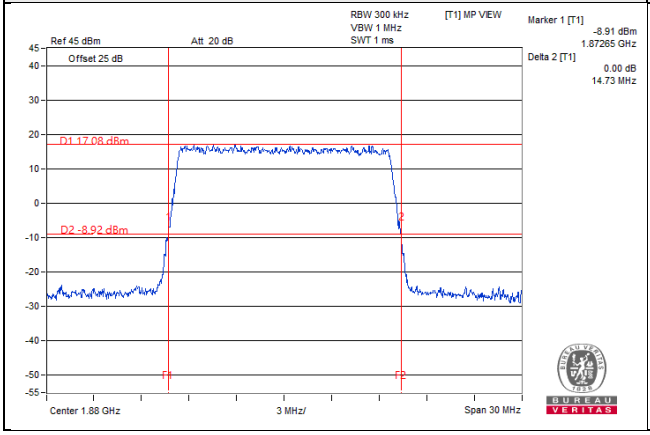
5MHz / QPSK



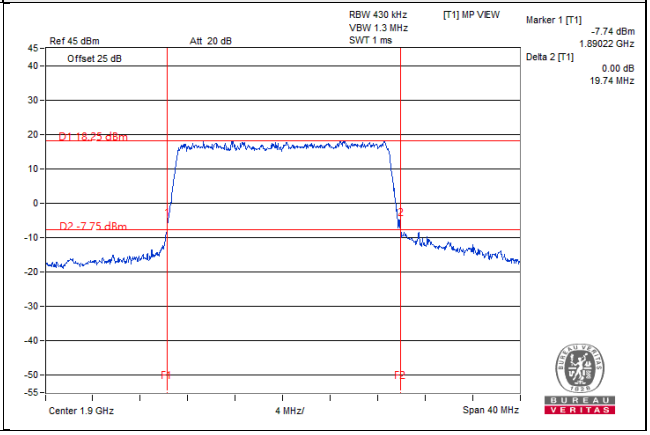
10MHz / QPSK



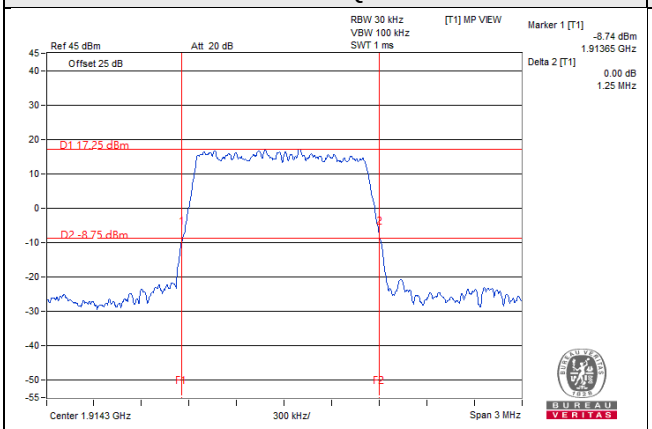
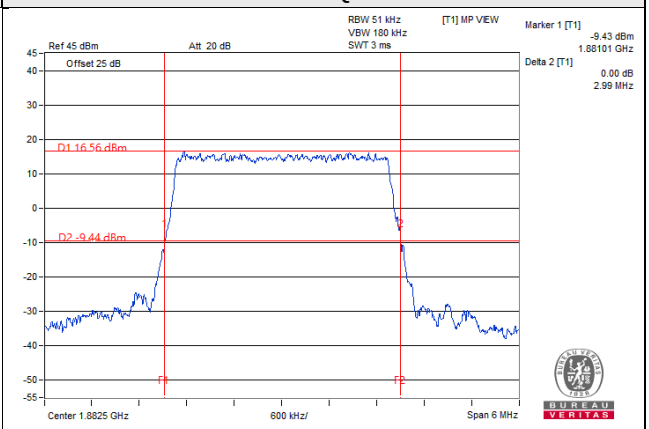
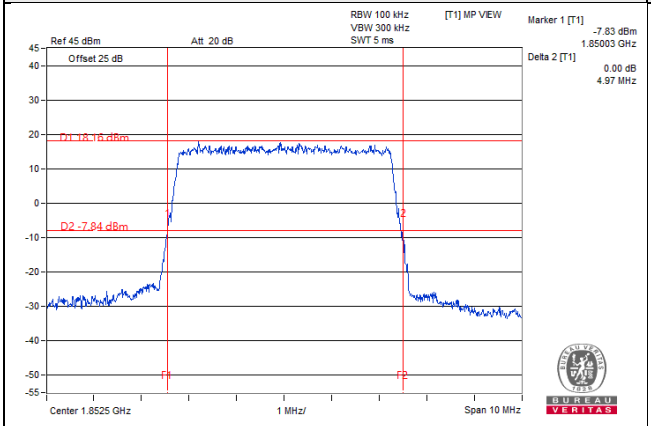
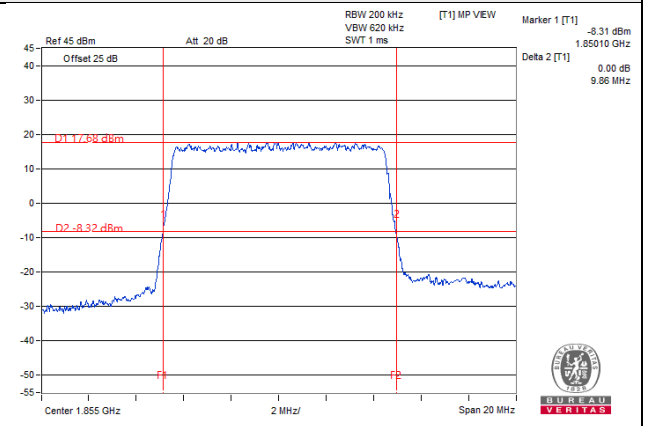
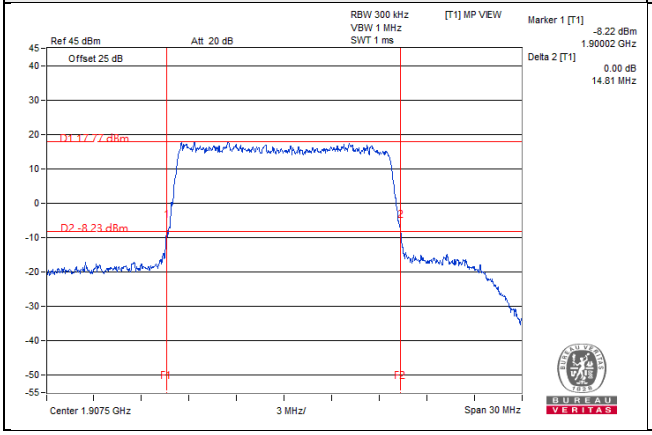
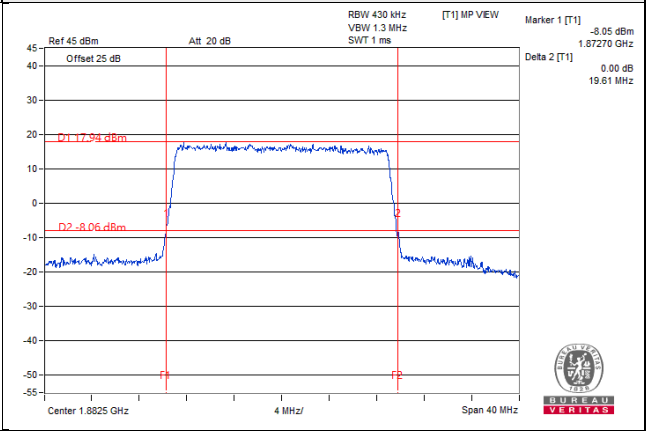
15MHz / 16QAM



20MHz / QPSK



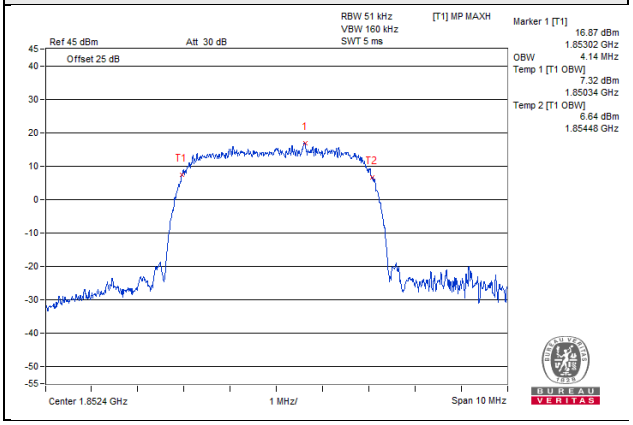
LTE Band 25									
Channel Bandwidth 1.4MHz					Channel Bandwidth 3MHz				
Channel	Frequency (MHz)	-26dB Bandwidth (MHz)			Channel	Frequency (MHz)	-26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26047	1850.7	1.24	1.24	1.25	26055	1851.5	2.98	2.97	2.97
26365	1882.5	1.24	1.24	1.24	26365	1882.5	2.99	2.99	2.98
26683	1914.3	1.25	1.24	1.24	26675	1913.5	2.98	2.98	2.97
Channel Bandwidth 5MHz					Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	-26dB Bandwidth (MHz)			Channel	Frequency (MHz)	-26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26065	1852.5	4.97	4.94	4.95	26090	1855	9.86	9.79	9.81
26365	1882.5	4.94	4.95	4.92	26365	1882.5	9.85	9.76	9.80
26665	1912.5	4.94	4.96	4.93	26640	1910	9.86	9.85	9.81
Channel Bandwidth 15MHz					Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	-26dB Bandwidth (MHz)			Channel	Frequency (MHz)	-26dB Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26115	1857.5	14.77	14.64	14.70	26140	1860	19.59	19.55	19.50
26365	1882.5	14.75	14.74	14.70	26365	1882.5	19.56	19.61	19.54
26615	1907.5	14.68	14.81	14.70	26590	1905	19.56	19.54	19.51

Spectrum Plot of Worst Value	
1.4MHz / QPSK	3MHz / QPSK
	
5MHz / QPSK	10MHz / QPSK
	
15MHz / 16QAM	20MHz / 16QAM
	

4.4.4 Test Result (Occupied Bandwidth)

Channel	Freq. (MHz)	99% Occupied Bandwidth (MHz)
		WCDMA B2
9262	1852.4	4.14
9400	1880.0	4.13
9538	1907.6	4.12

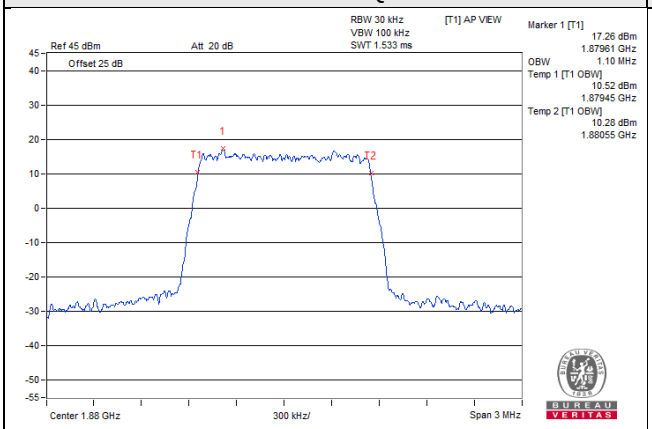
Spectrum Plot of Worst Value
WCDMA



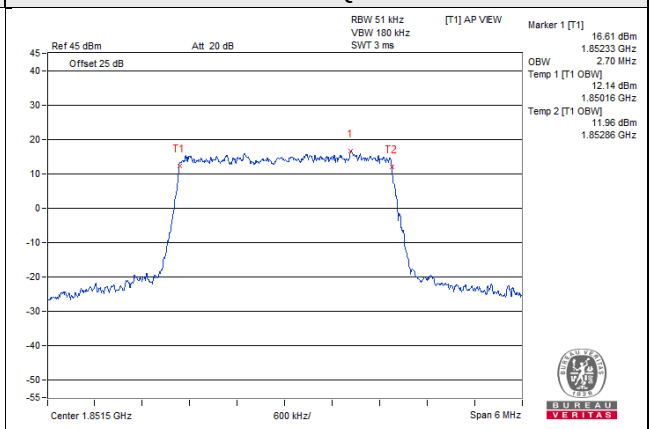
LTE Band 2									
Channel Bandwidth 1.4MHz					Channel Bandwidth 3MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18607	1850.7	1.09	1.09	1.09	18615	1851.5	2.70	2.68	2.70
18900	1880	1.09	1.09	1.10	18900	1880	2.70	2.68	2.70
19193	1909.3	1.09	1.09	1.09	19185	1908.5	2.70	2.69	2.70
Channel Bandwidth 5MHz					Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18625	1852.5	4.50	4.49	4.50	18650	1855	9.00	8.96	9.00
18900	1880	4.51	4.50	4.49	18900	1880	8.98	8.96	8.98
19175	1907.5	4.51	4.48	4.48	19150	1905	8.98	8.96	8.96
Channel Bandwidth 15MHz					Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18675	1857.5	13.47	13.44	13.47	18700	1860	17.92	17.92	17.92
18900	1880	13.44	13.47	13.47	18900	1880	17.96	17.96	17.96
19125	1902.5	13.50	13.47	13.47	19100	1900	18.04	18.00	18.00

Spectrum Plot of Worst Value

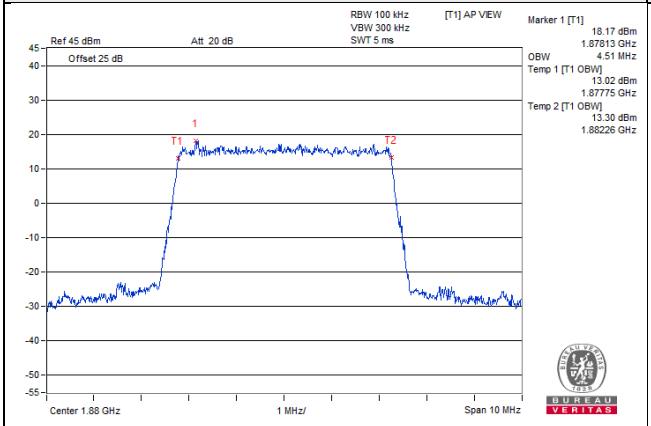
1.4MHz / 64QAM



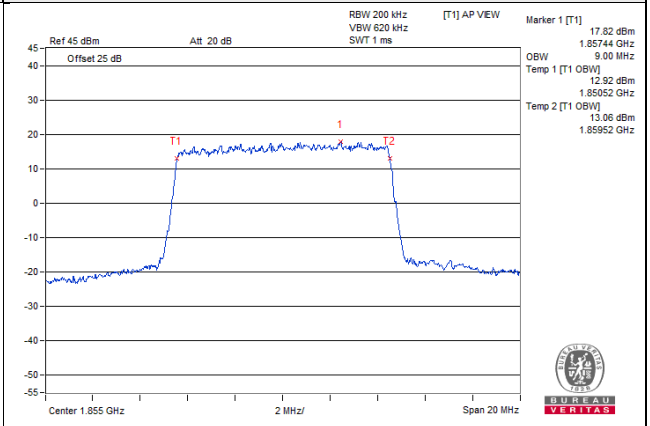
3MHz / QPSK



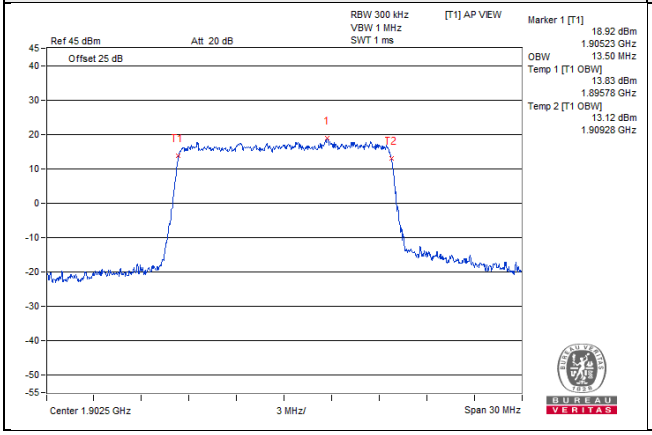
5MHz / QPSK



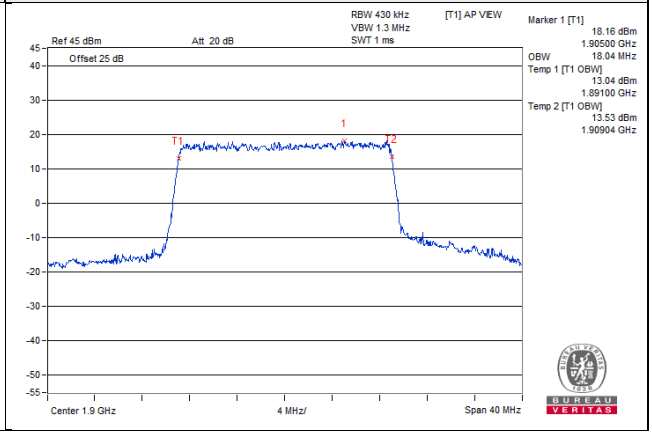
10MHz / QPSK



15MHz / QPSK



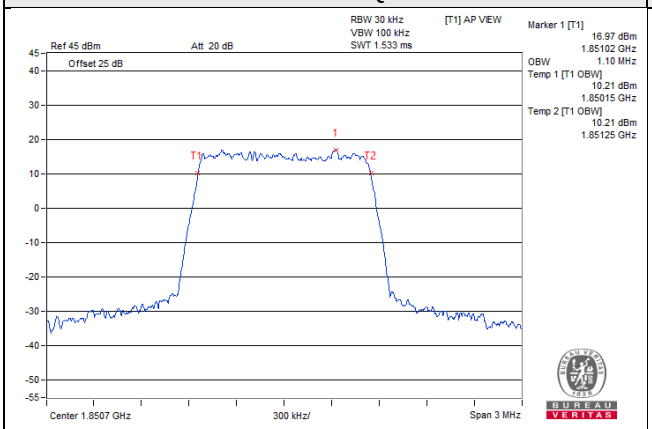
20MHz / QPSK



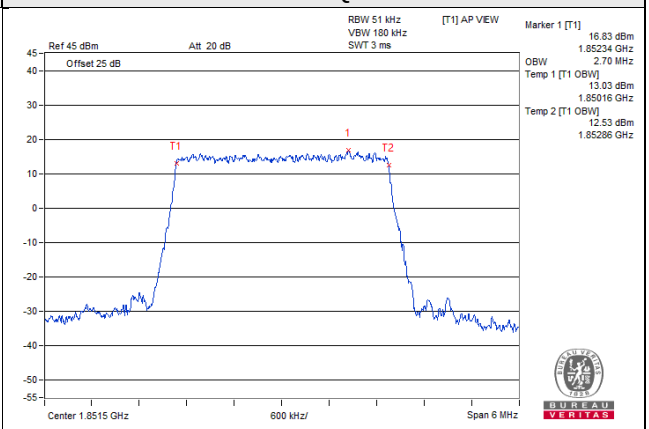
LTE Band 25									
Channel Bandwidth 1.4MHz					Channel Bandwidth 3MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26047	1850.7	1.09	1.09	1.10	26055	1851.5	2.70	2.68	2.69
26365	1882.5	1.09	1.09	1.10	26365	1882.5	2.70	2.68	2.69
26683	1914.3	1.09	1.09	1.09	26675	1913.5	2.70	2.69	2.69
Channel Bandwidth 5MHz					Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26065	1852.5	4.51	4.50	4.49	26090	1855	8.98	8.96	8.98
26365	1882.5	4.50	4.49	4.49	26365	1882.5	8.96	8.96	8.98
26665	1912.5	4.49	4.48	4.48	26640	1910	8.98	8.96	8.98
Channel Bandwidth 15MHz					Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)			Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26115	1857.5	13.47	13.47	13.50	26140	1860	17.96	17.96	17.96
26365	1882.5	13.50	13.47	13.47	26365	1882.5	18.00	17.96	17.96
26615	1907.5	13.47	13.47	13.50	26590	1905	18.00	18.00	17.96

Spectrum Plot of Worst Value

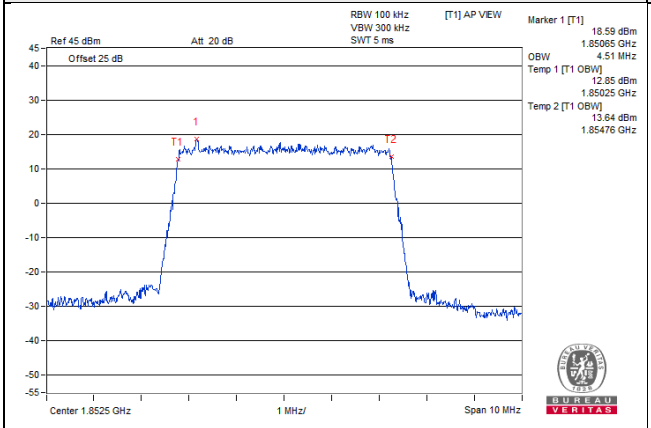
1.4MHz / 64QAM



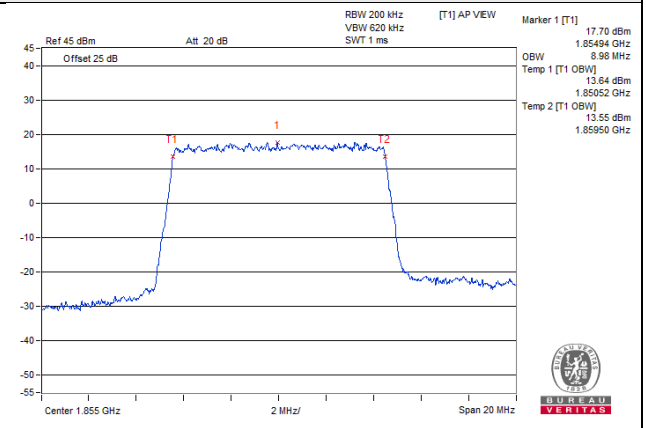
3MHz / QPSK



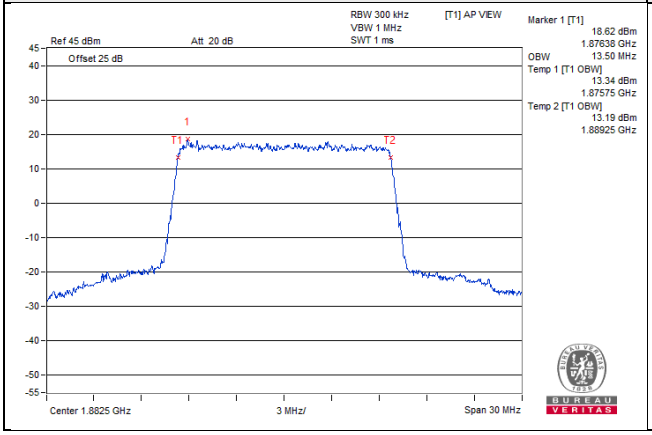
5MHz / QPSK



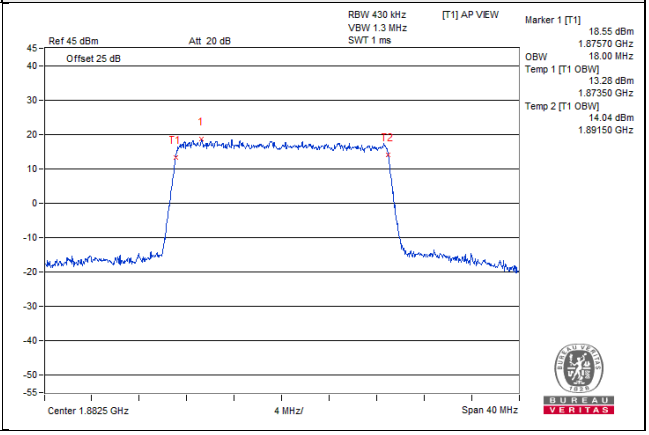
10MHz / QPSK



15MHz / QPSK



20MHz / QPSK

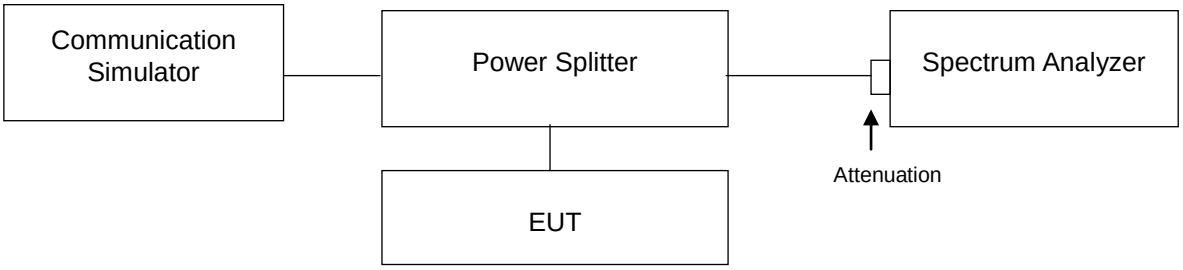


4.5 Band Edge Measurement

4.5.1 Limits of Band Edge Measurement

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

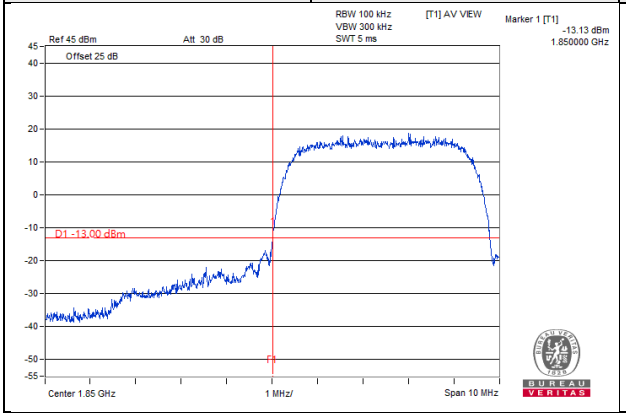
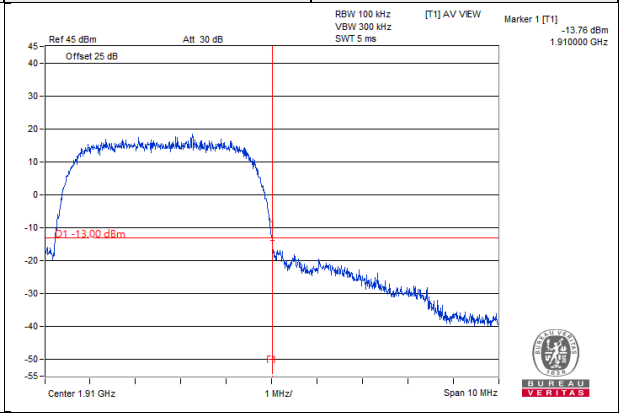
4.5.2 Test Setup



4.5.3 Test Procedures

a. All measurements were done at low and high operational frequency range.
b. The center frequency of spectrum is the band edge frequency and RB of the spectrum is >1% emission bandwidth and VB of the spectrum is ≧ 3*RB.
c. Record the max trace plot into the test report.

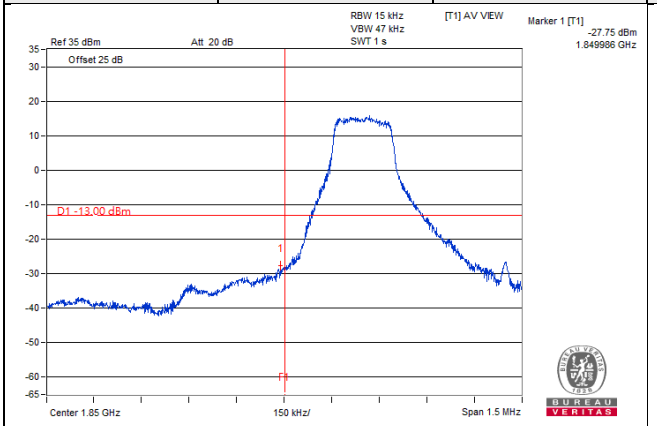
4.5.4 Test Results

WCDMA B2			
Channel	9262	Channel	9538
			

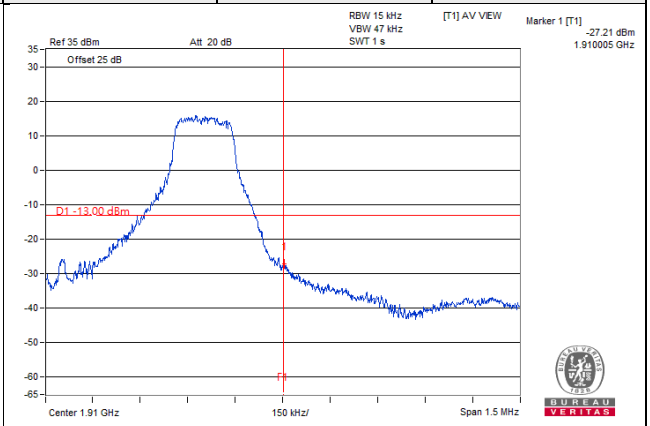
LTE Band 2

Channel Bandwidth 1.4MHz

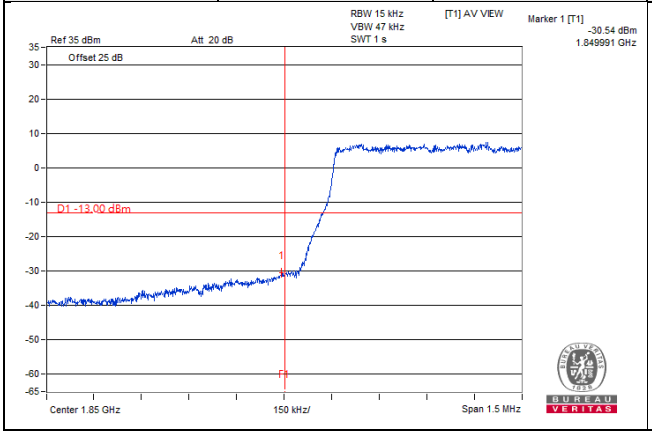
Channel	18607	1 RB



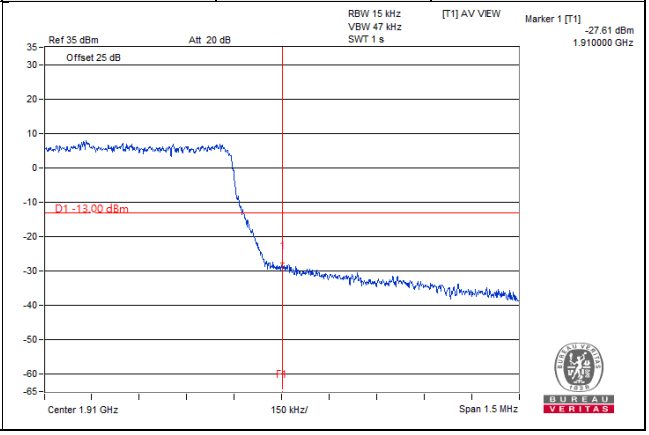
Channel	19193	1 RB



Channel	18607	6 RB



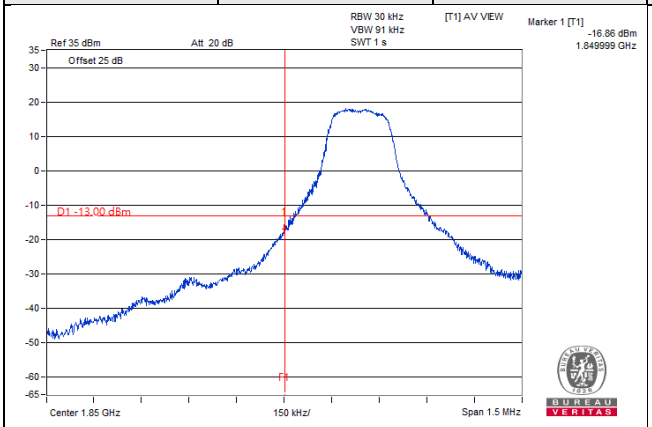
Channel	19193	6 RB

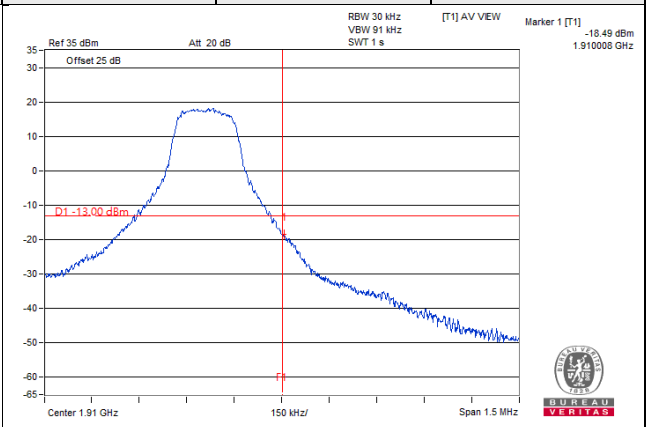


LTE Band 2

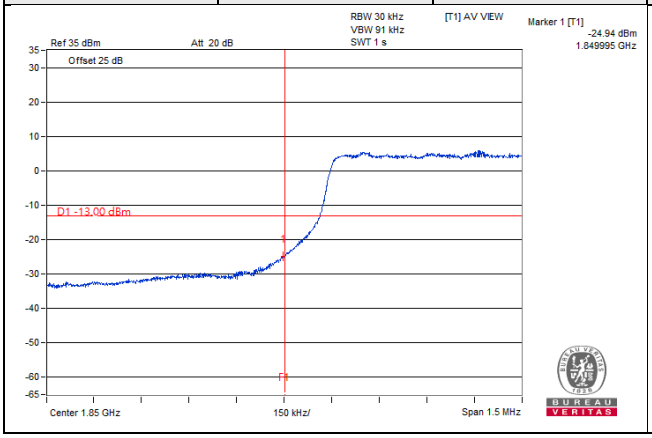
Channel Bandwidth 3MHz

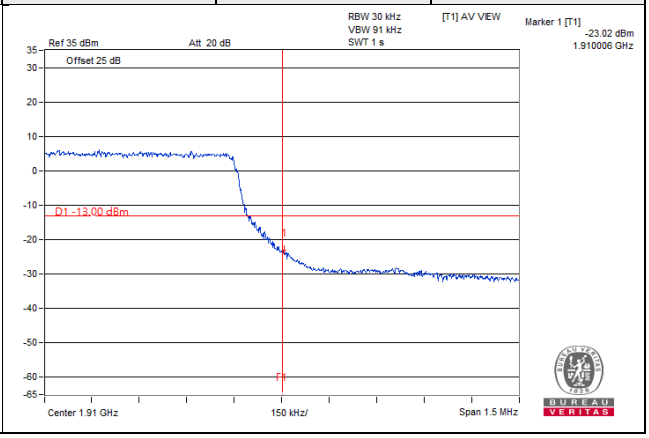
Channel	18615	1 RB	Channel	19185	1 RB





Channel	18615	15 RB	Channel	19185	15 RB

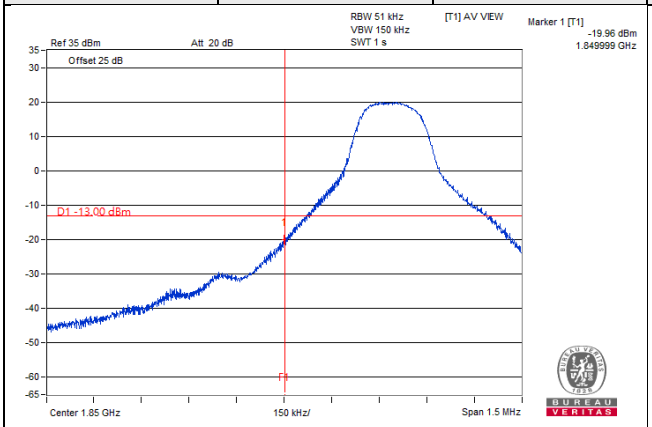


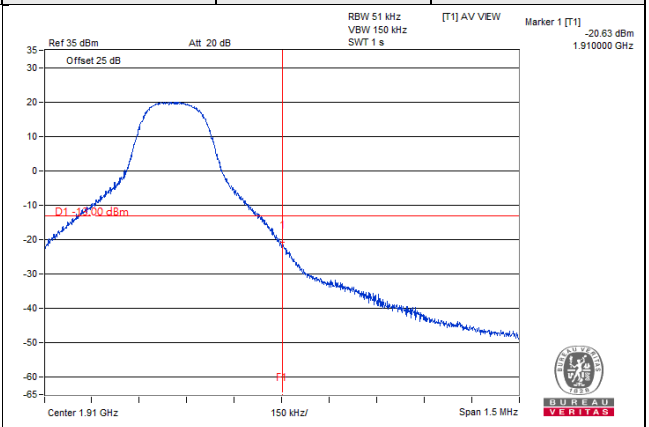


LTE Band 2

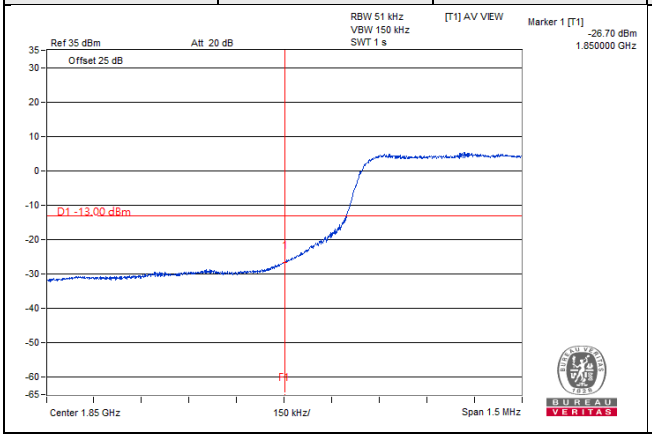
Channel Bandwidth 5MHz

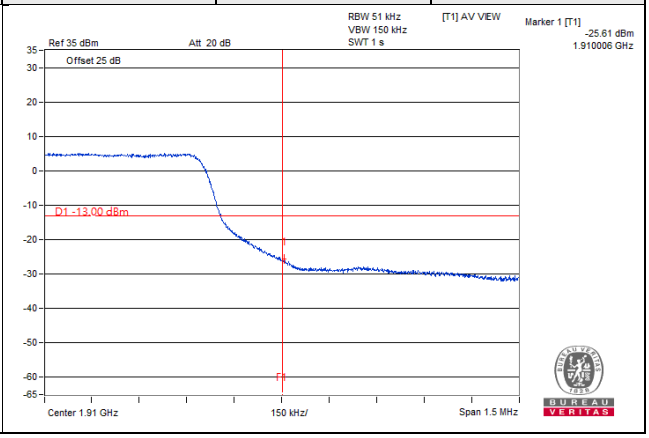
Channel	18625	1 RB	Channel	19175	1 RB





Channel	18625	25 RB	Channel	19175	25 RB

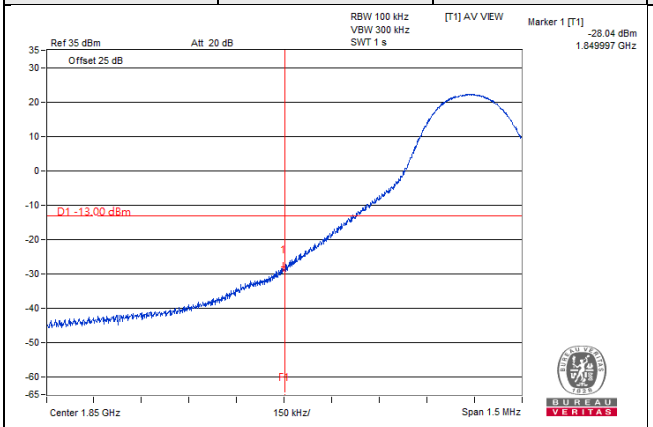


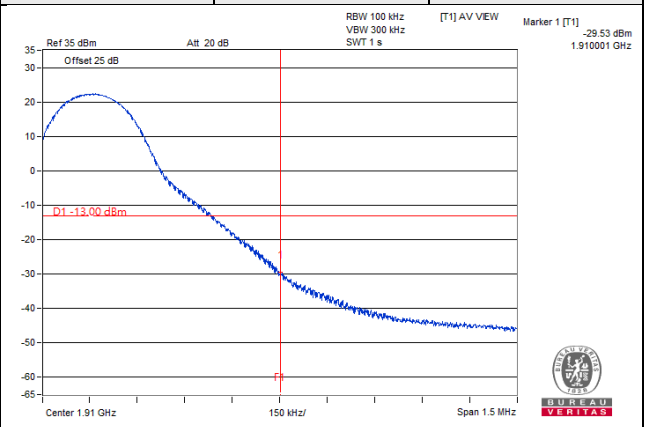


LTE Band 2

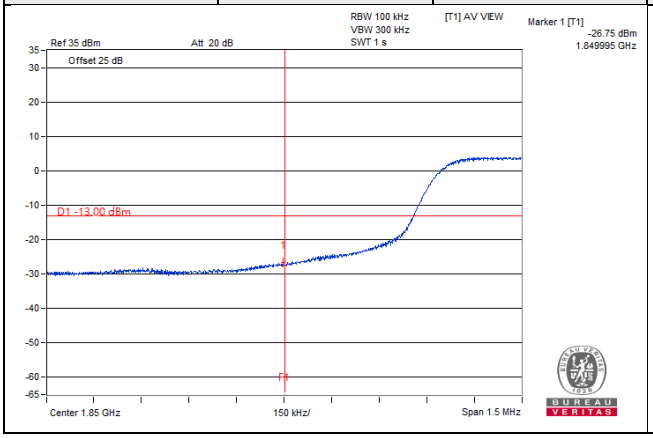
Channel Bandwidth 10MHz

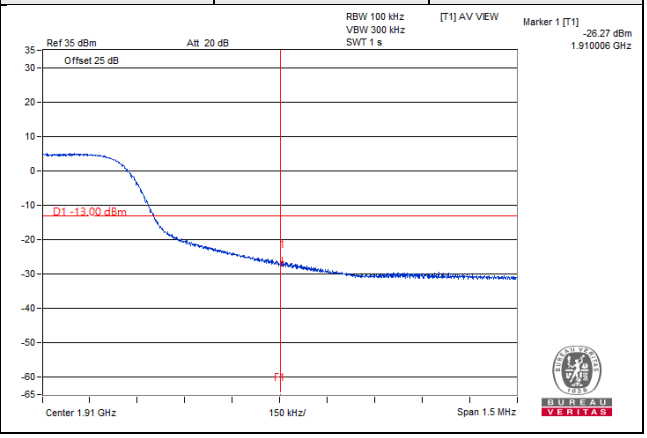
Channel	18650	1 RB	Channel	19150	1 RB





Channel	18650	50 RB	Channel	19150	50 RB

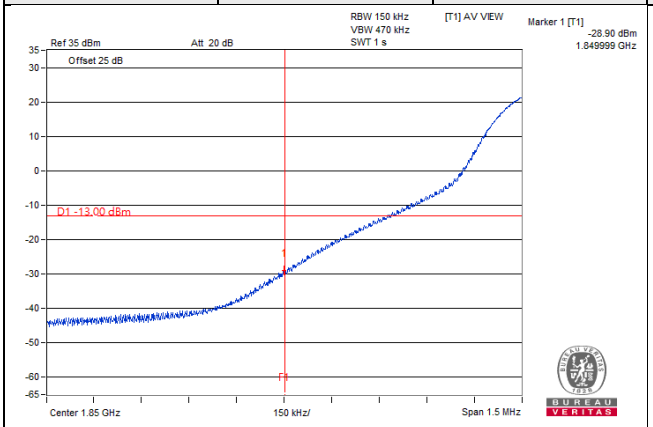


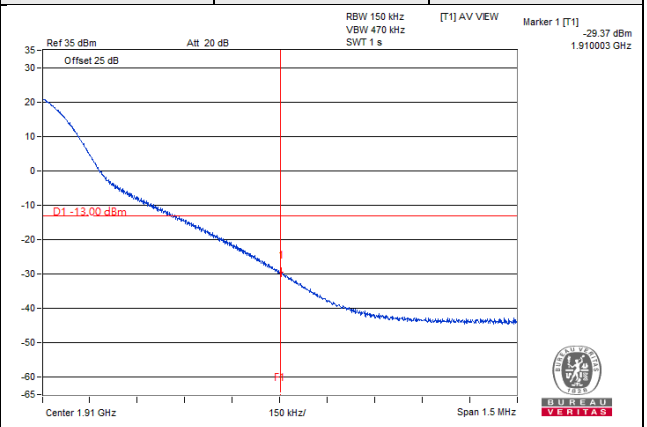


LTE Band 2

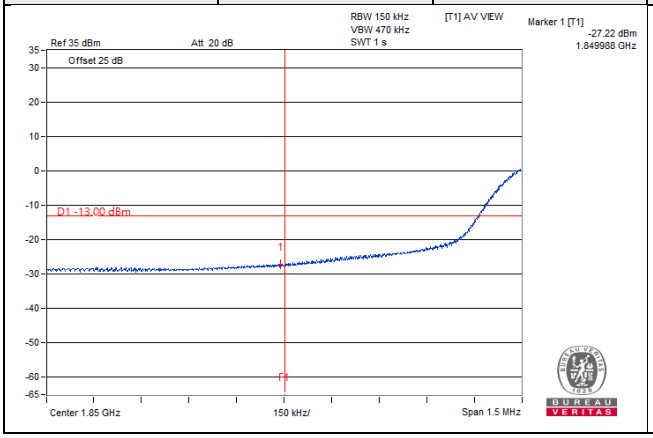
Channel Bandwidth 15MHz

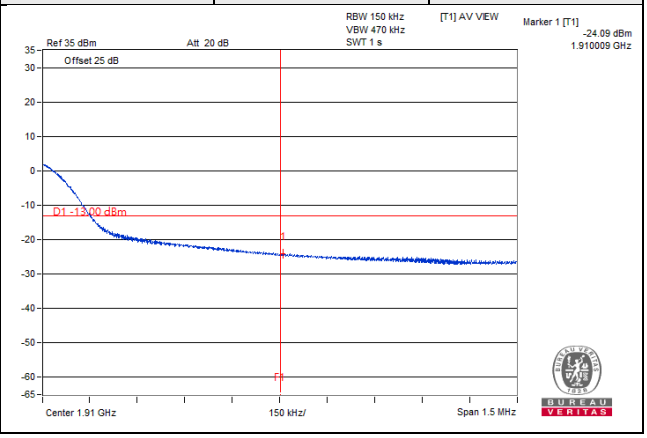
Channel	18675	1 RB	Channel	19125	1 RB





Channel	18675	75 RB	Channel	19125	75 RB

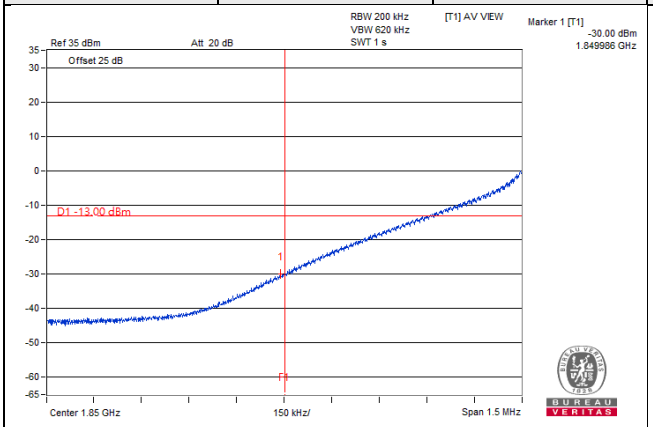


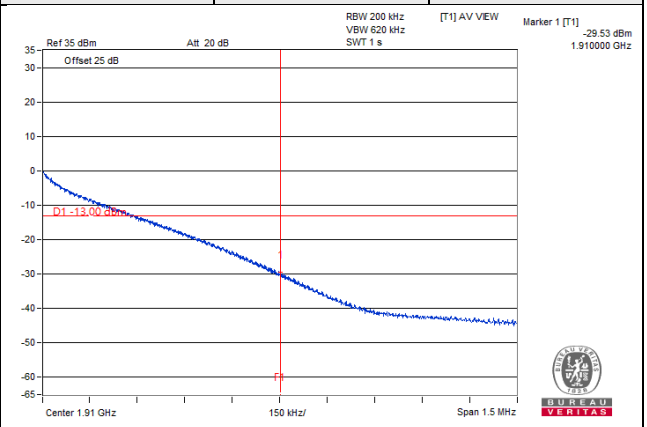


LTE Band 2

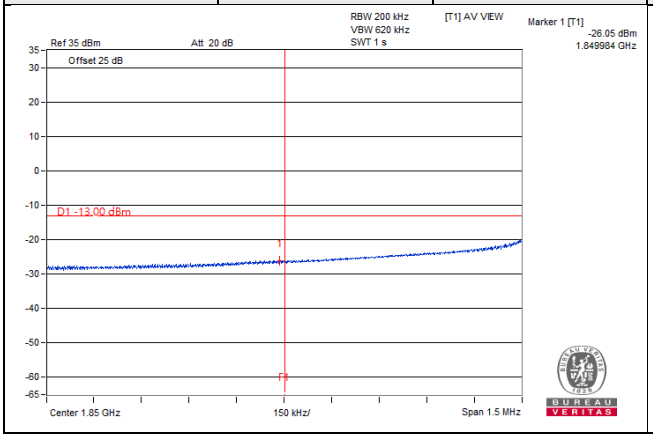
Channel Bandwidth 20MHz

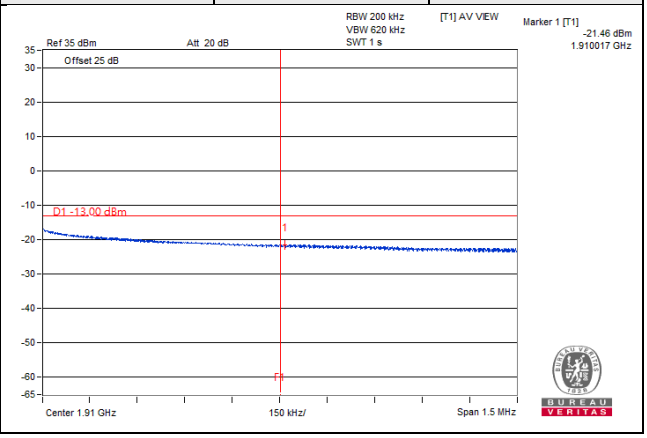
Channel	18700	1 RB	Channel	19100	1 RB

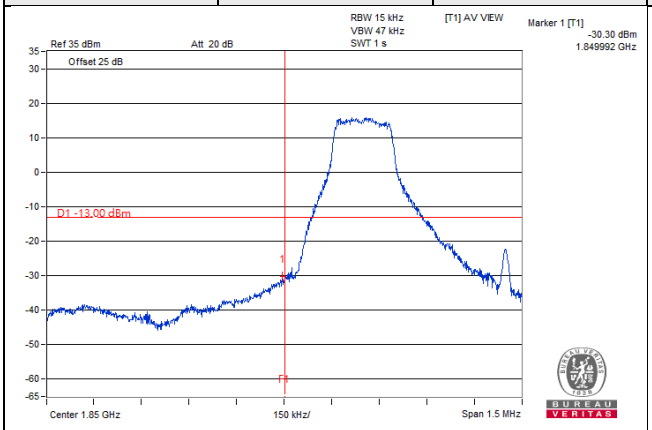
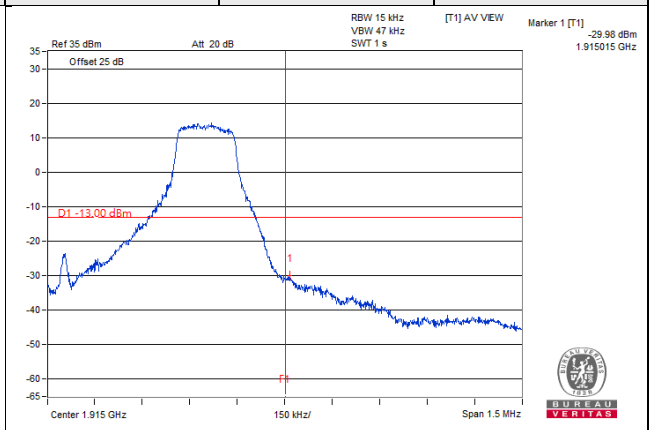
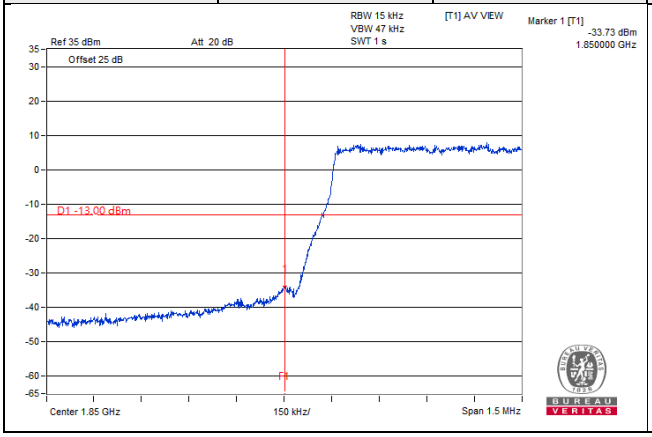
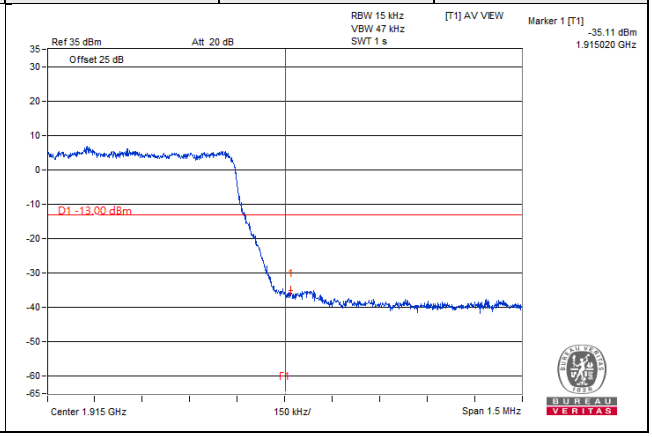


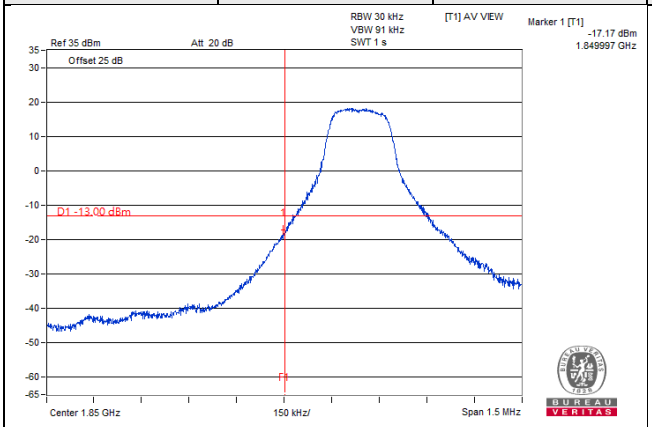
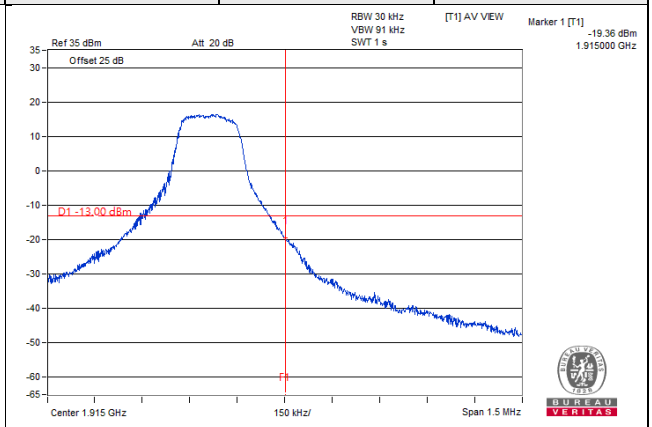
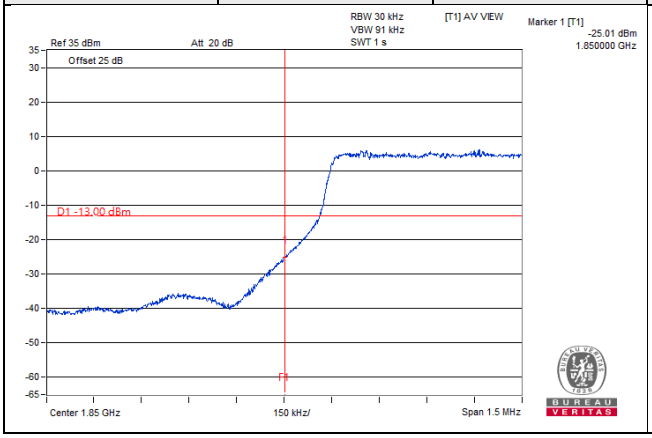
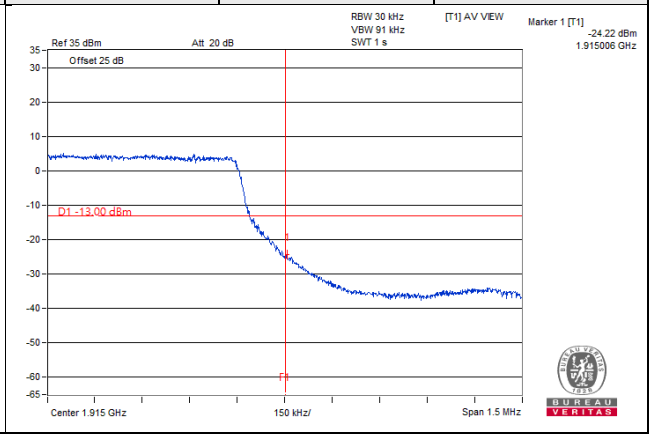


Channel	18700	100 RB	Channel	19100	100 RB





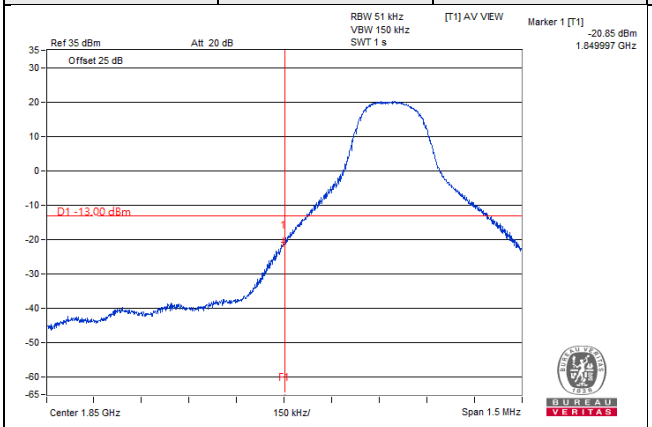
LTE Band 25					
Channel Bandwidth 1.4MHz					
Channel	26047	1 RB	Channel	26683	1 RB
					
Channel	26047	6 RB	Channel	26683	6 RB
					

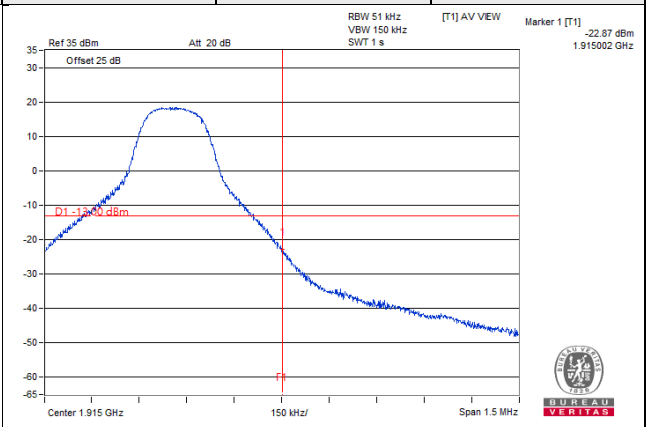
LTE Band 25					
Channel Bandwidth 3MHz					
Channel	26055	1 RB	Channel	26675	1 RB
					
Channel	26055	15 RB	Channel	26675	15 RB
					

LTE Band 25

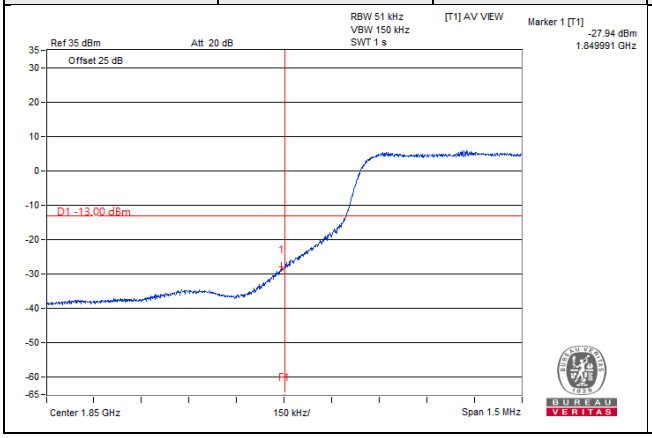
Channel Bandwidth 5MHz

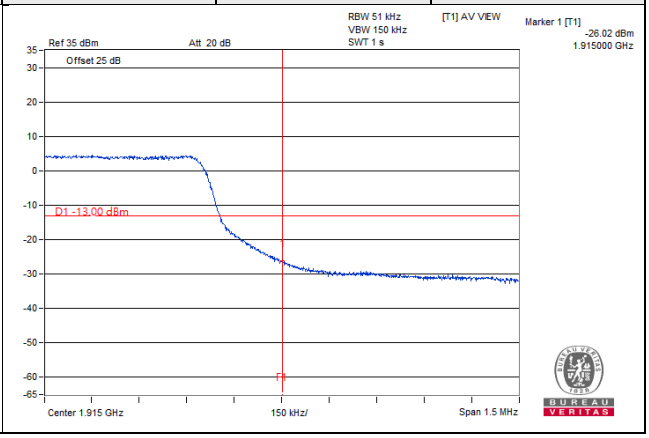
Channel	26065	1 RB	Channel	26665	1 RB





Channel	26065	25 RB	Channel	26665	25 RB

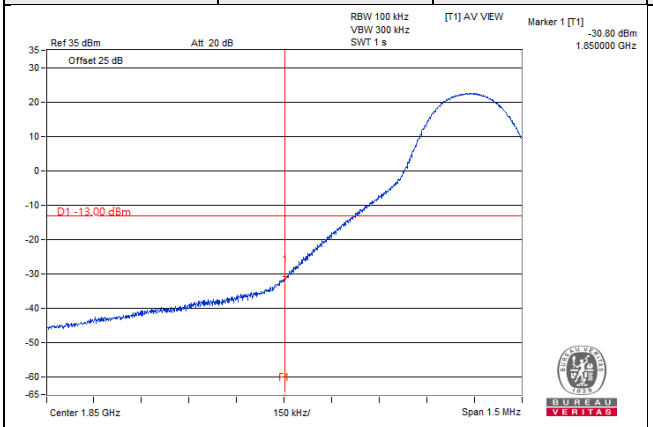


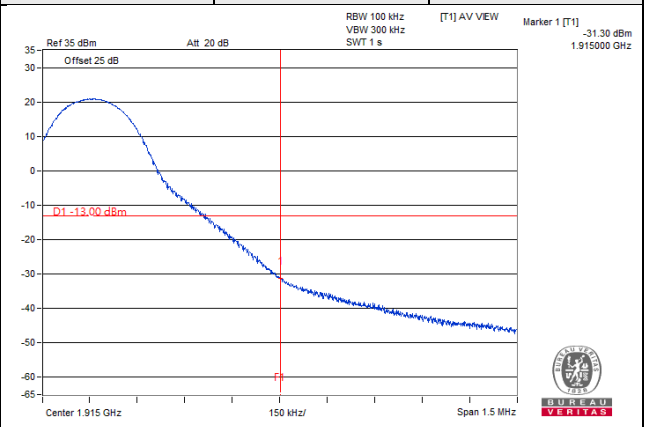


LTE Band 25

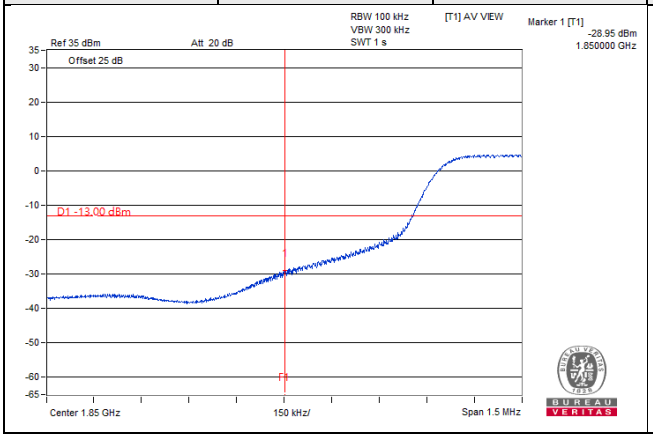
Channel Bandwidth 10MHz

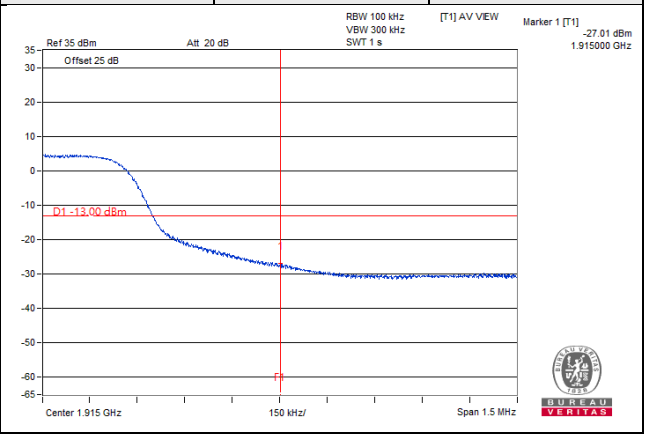
Channel	26090	1 RB	Channel	26640	1 RB





Channel	26090	50 RB	Channel	26640	50 RB

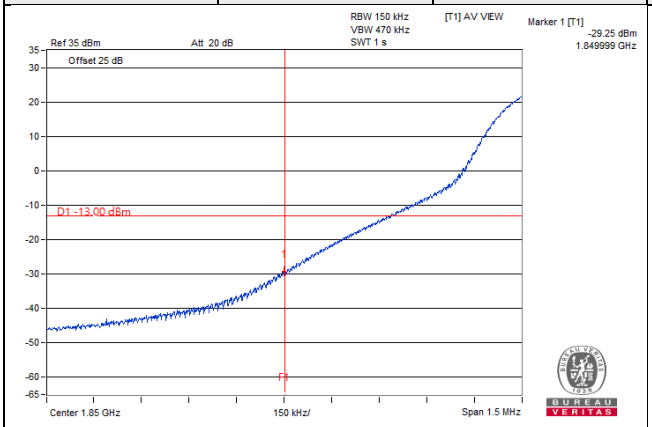


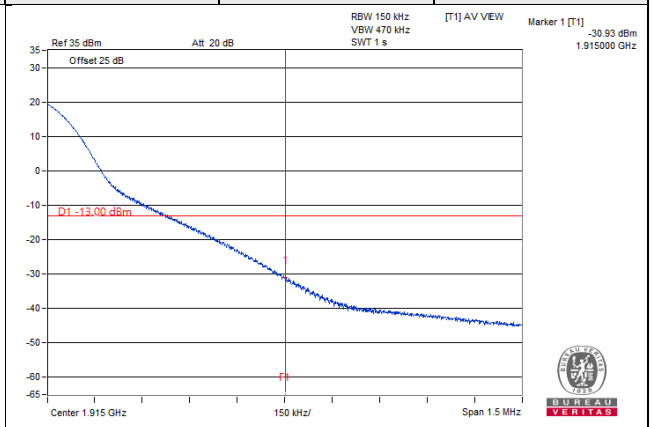


LTE Band 25

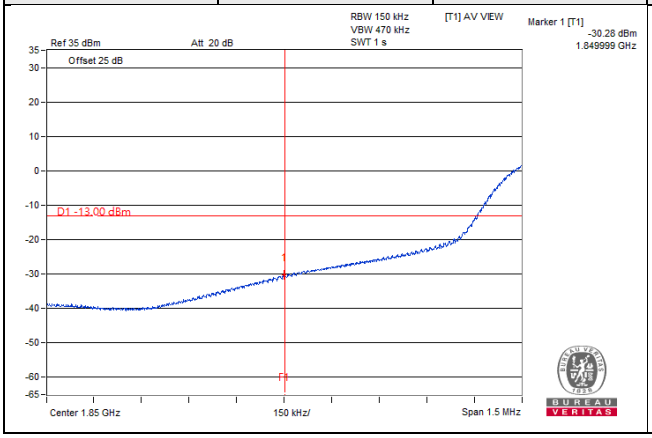
Channel Bandwidth 15MHz

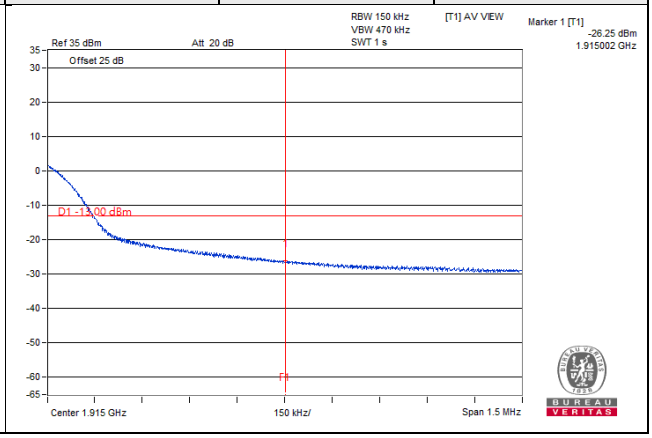
Channel	26115	1 RB	Channel	26615	1 RB





Channel	26115	75 RB	Channel	26615	75 RB

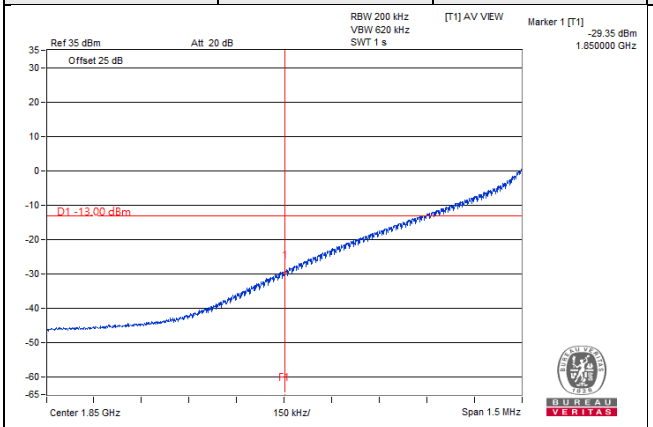


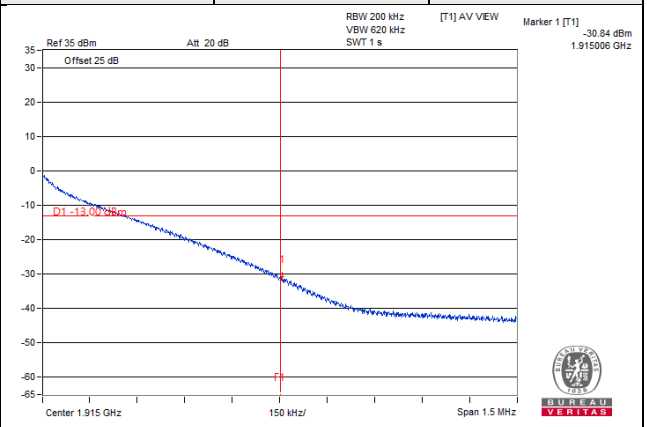


LTE Band 25

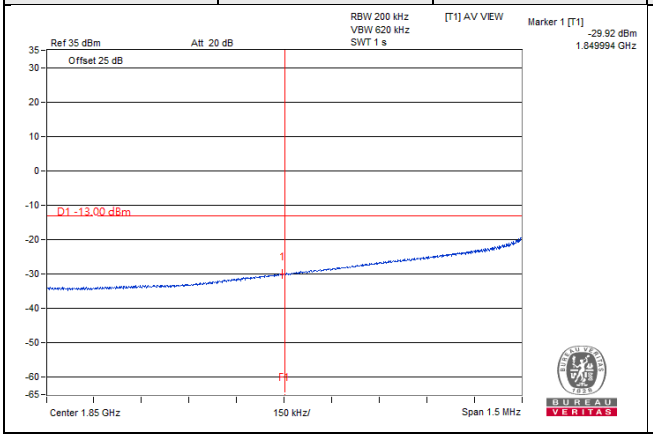
Channel Bandwidth 20MHz

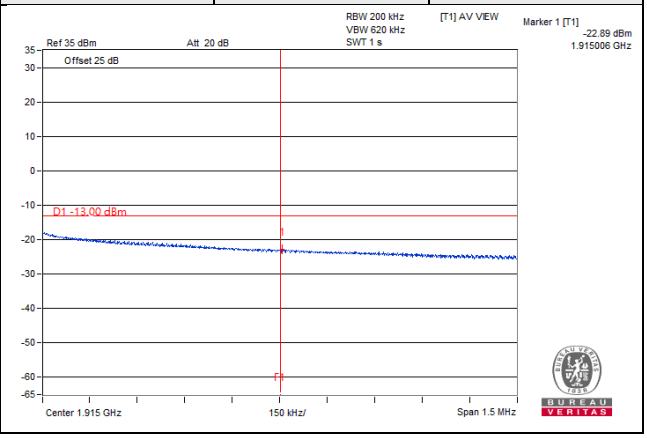
Channel	26140	1 RB	Channel	26590	1 RB





Channel	26140	100 RB	Channel	26590	100 RB



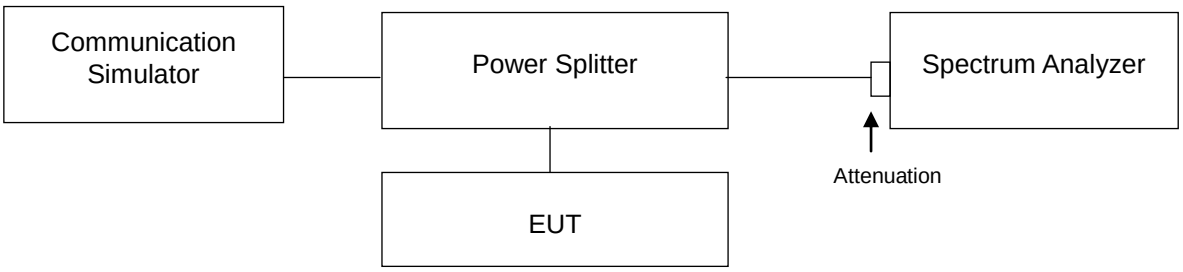


4.6 Peak to Average Ratio

4.5.1 Limits of Peak to Average Ratio Measurement

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

4.5.2 Test Setup



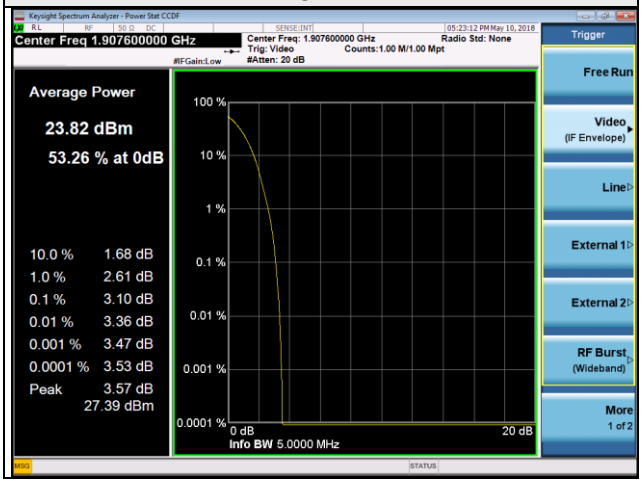
4.5.3 Test Procedures

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

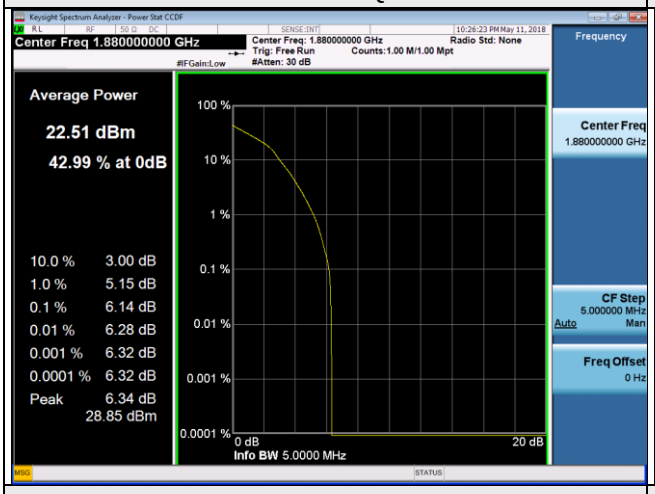
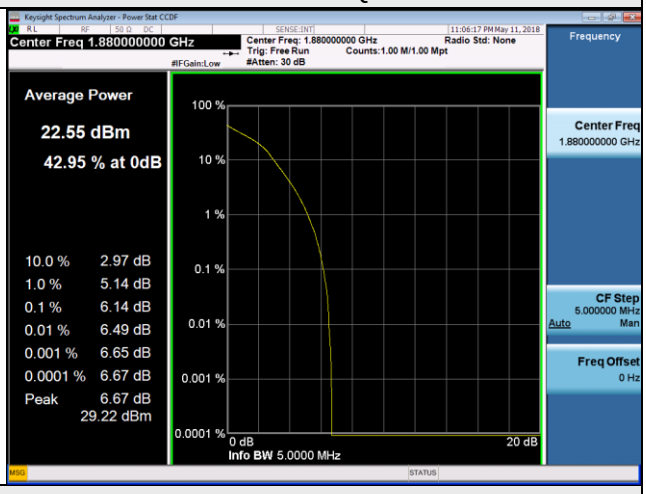
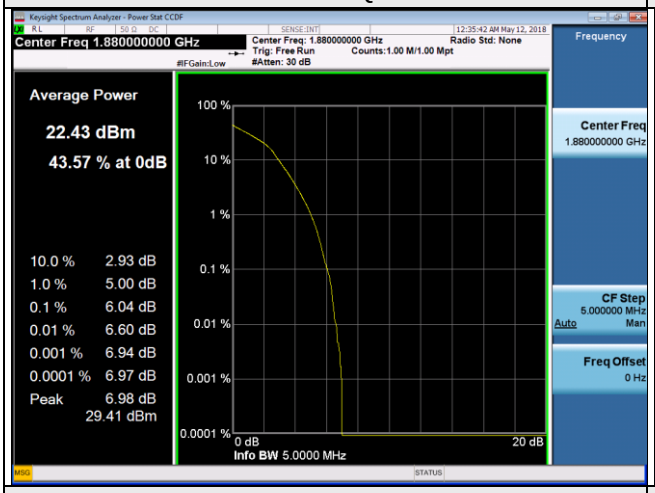
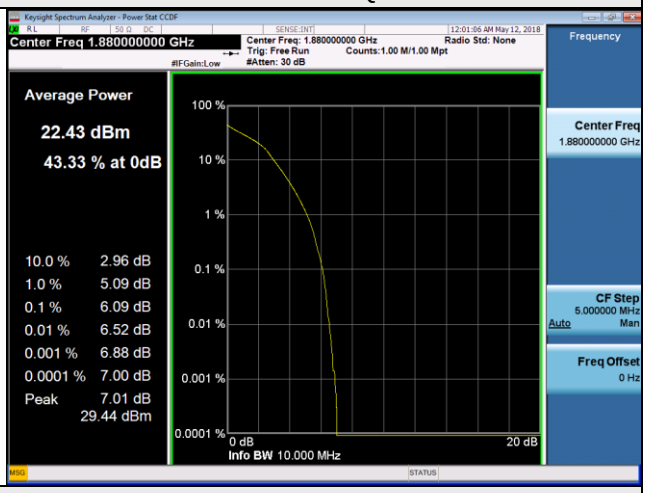
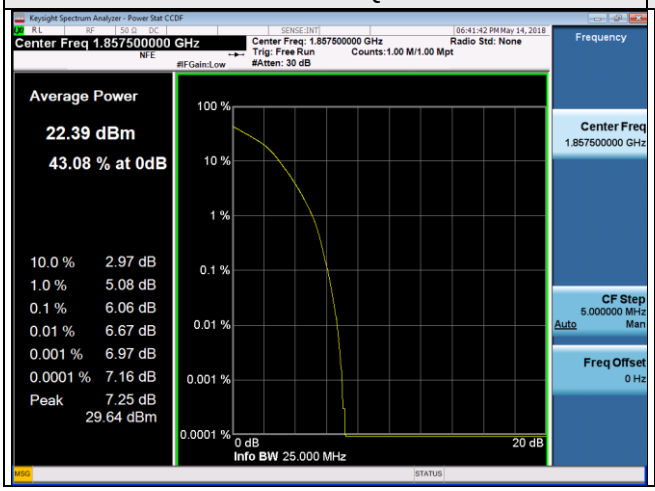
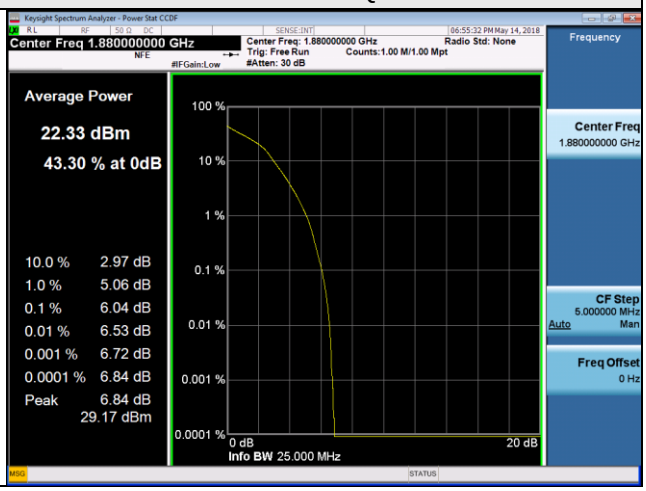
4.5.4 Test Results

Channel	Freq. (MHz)	Peak to Average Ratio (dB)
		WCDMA
9262	1852.4	2.98
9400	1880	3.07
9538	1907.6	3.10

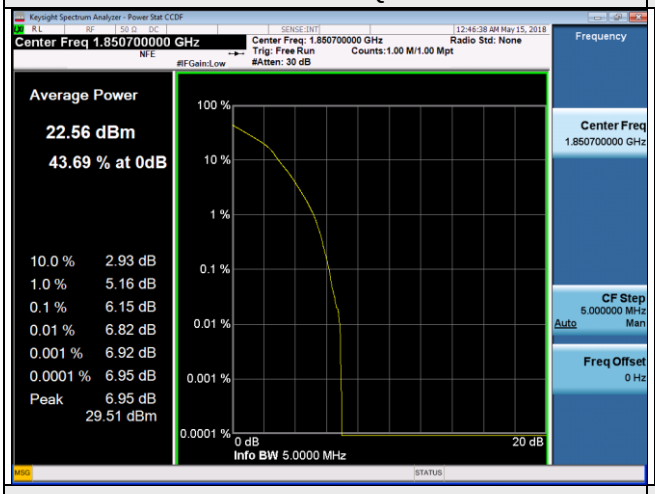
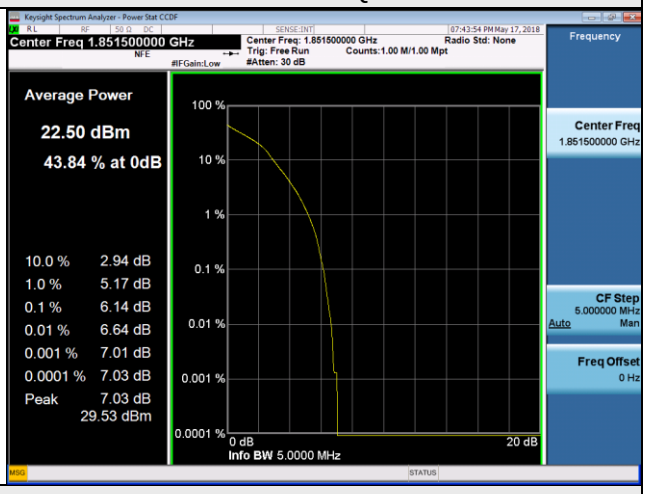
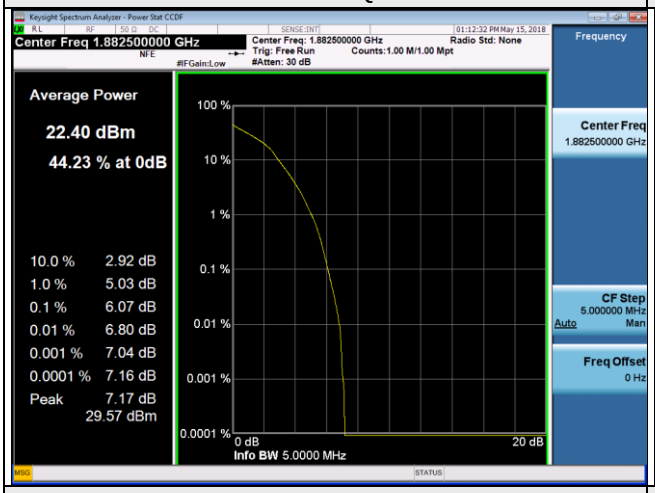
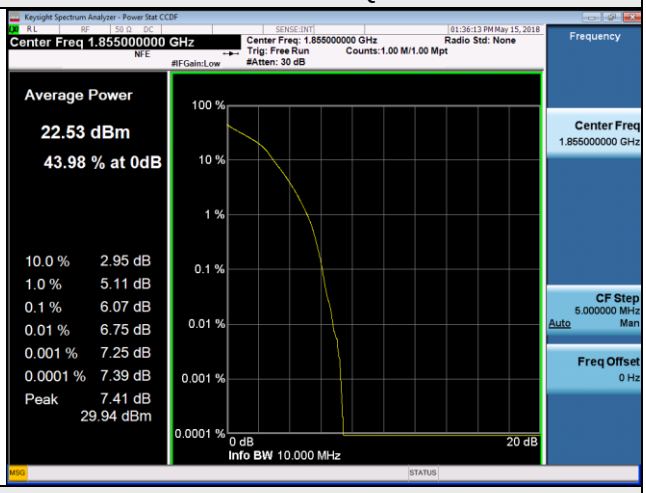
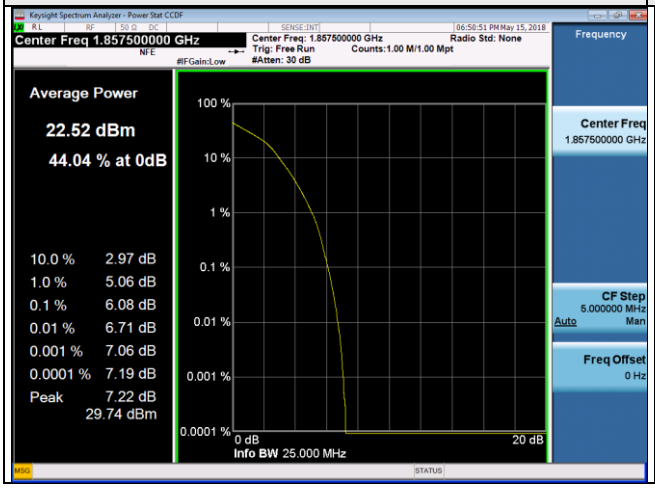
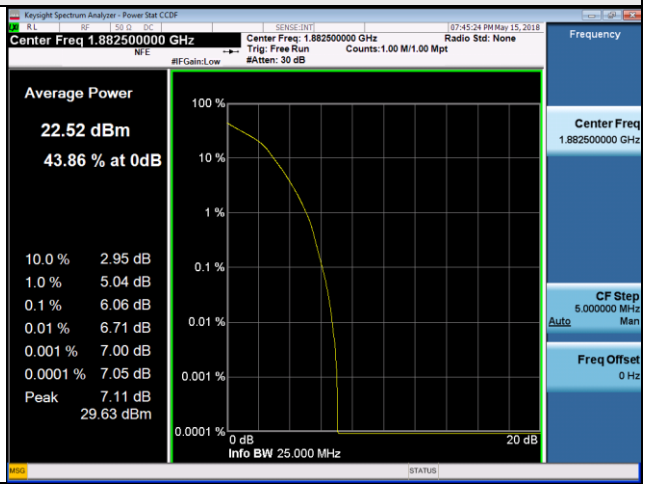
Spectrum Plot of Worst Value
WCDMA



LTE Band 2									
Channel Bandwidth 1.4MHz					Channel Bandwidth 3MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18607	1850.7	4.9	6.08	6.06	18615	1851.5	4.74	6.07	6.08
18900	1880	4.93	6.14	6.12	18900	1880	4.8	6.14	6.05
19193	1909.3	4.93	6.09	6.06	19185	1907.5	4.76	6.14	6.01
Channel Bandwidth 5MHz					Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18625	1852.5	4.97	6.03	5.98	18650	1855	4.91	6.03	6.04
18900	1880	4.91	6.00	6.04	18900	1880	4.94	6.09	6.06
19175	1907.5	4.9	6.00	6.01	19150	1905	4.89	6.05	6.05
Channel Bandwidth 15MHz					Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
18675	1857.5	4.87	6.06	6.05	18700	1860	4.83	6.02	5.99
18900	1880	4.91	6.03	6.03	18900	1880	4.88	6.01	6.04
19125	1902.5	4.81	6.00	5.99	19100	1900	4.8	6.00	5.99

Spectrum Plot of Worst Value	
1.4MHz / 16QAM	3MHz / 16QAM
	
5MHz / 64QAM	10MHz / 16QAM
	
15MHz / 16QAM	20MHz / 64QAM
	

LTE Band 25									
Channel Bandwidth 1.4MHz					Channel Bandwidth 3MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26047	1850.7	4.92	6.15	6.10	26055	1851.5	4.77	6.14	6.11
26365	1882.5	4.94	6.14	6.11	26365	1882.5	4.76	6.13	6.04
26683	1914.3	4.35	5.25	5.32	26675	1913.5	4.44	5.48	5.47
Channel Bandwidth 5MHz					Channel Bandwidth 10MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26065	1852.5	4.91	6.05	6.04	26090	1855	4.95	6.05	6.07
26365	1882.5	4.97	6.07	6.02	26365	1882.5	4.93	6.05	6.07
26665	1912.5	4.58	5.63	5.65	26640	1910	4.65	5.72	5.77
Channel Bandwidth 15MHz					Channel Bandwidth 20MHz				
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			Channel	Frequency (MHz)	Peak To Average Ratio (dB)		
		QPSK	16QAM	64QAM			QPSK	16QAM	64QAM
26115	1857.5	4.88	6.05	6.08	26140	1860	4.85	6.04	6.03
26365	1882.5	4.89	6.06	6.06	26365	1882.5	4.87	6.06	5.99
26615	1907.5	4.79	5.89	5.87	26590	1905	4.77	6.00	5.93

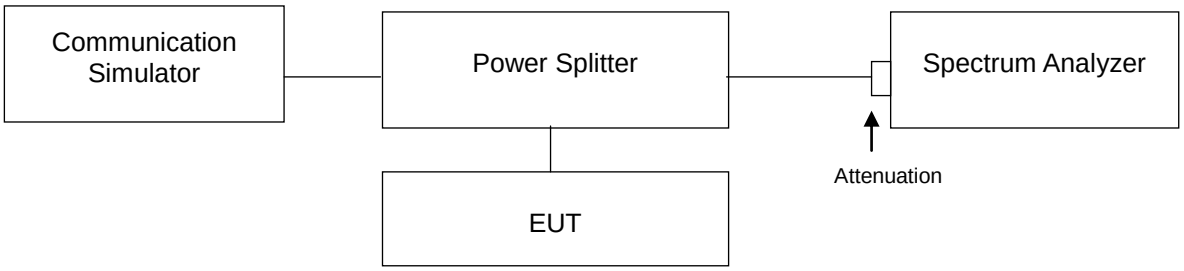
Spectrum Plot of Worst Value	
1.4MHz / 16QAM	3MHz / 16QAM
	
5MHz / 16QAM	10MHz / 64QAM
	
15MHz / 64QAM	20MHz / 16QAM
	

4.7 Conducted Spurious Emissions

4.7.1 Limits of Conducted Spurious Emissions 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.

4.7.2 Test Setup



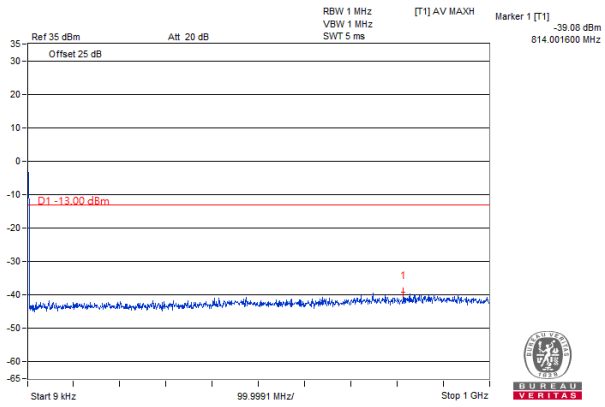
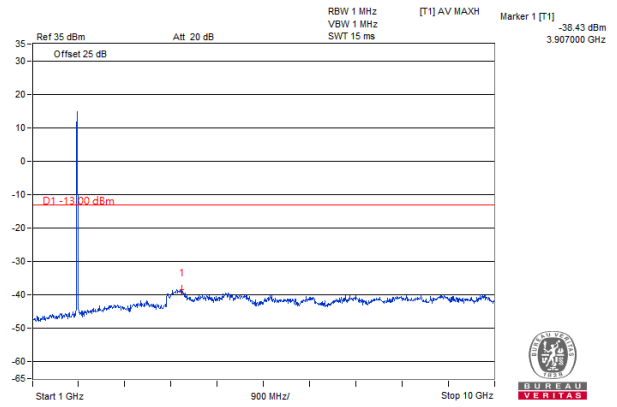
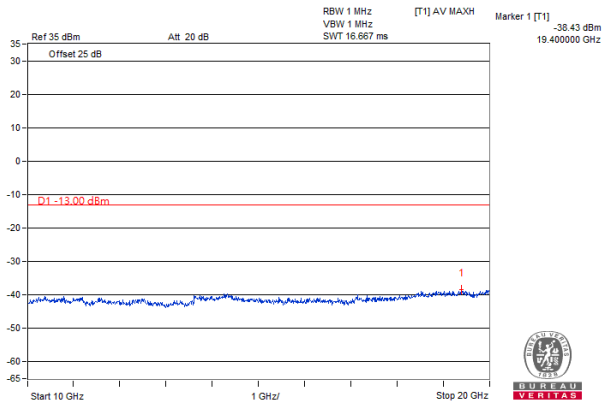
4.7.3 Test Procedure

a. All measurements were done at middle operational frequency range.

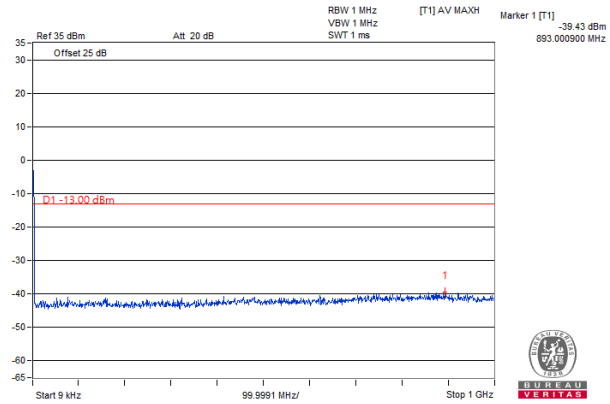
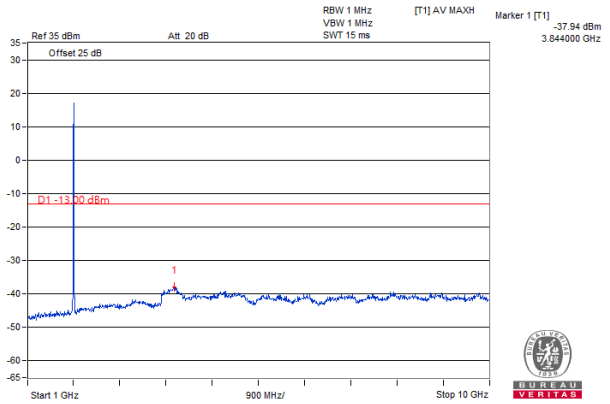
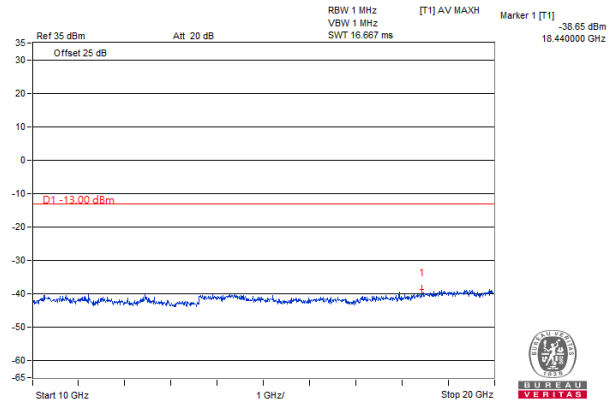
b. Measuring frequency range is from 9 kHz to the tenth harmonic of the highest fundamental frequency, it shall be connected to the pad attenuated the carried frequency.

RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

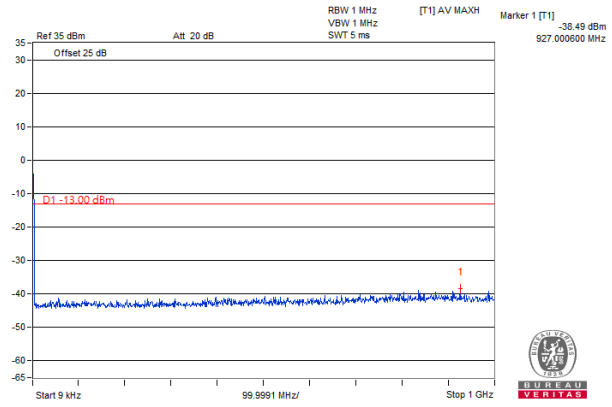
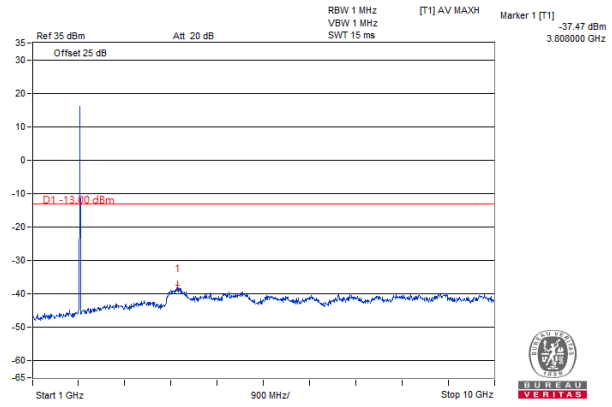
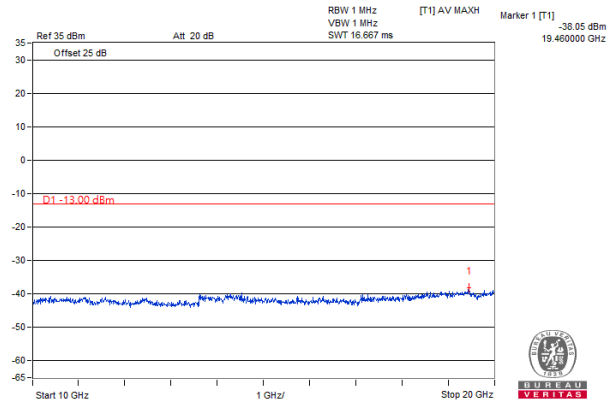
4.7.4 Test Results

WCDMA	WCDMA
Channel 9262	Channel 9262
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz~10GHz
	
Frequency Range : 10GHz~20GHz	
	

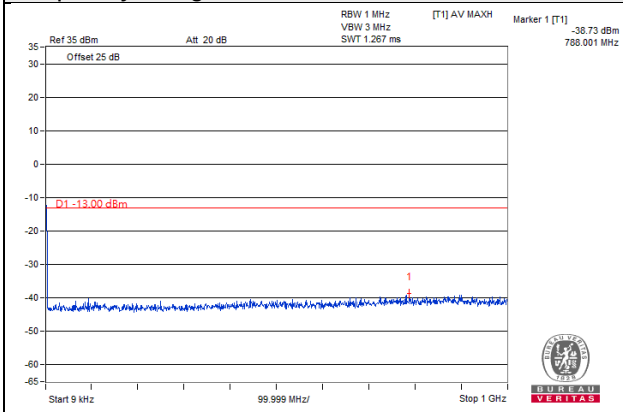
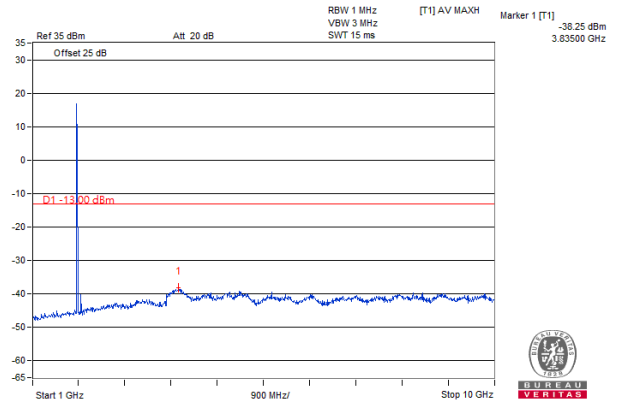
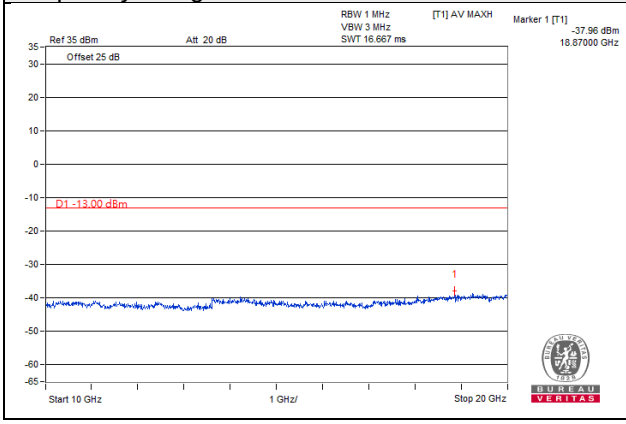
Note: The signal of 9kHz is IF signal from test instrument.

WCDMA	WCDMA
Channel 9400	Channel 9400
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz~10GHz
	
Frequency Range : 10GHz~20GHz	
	

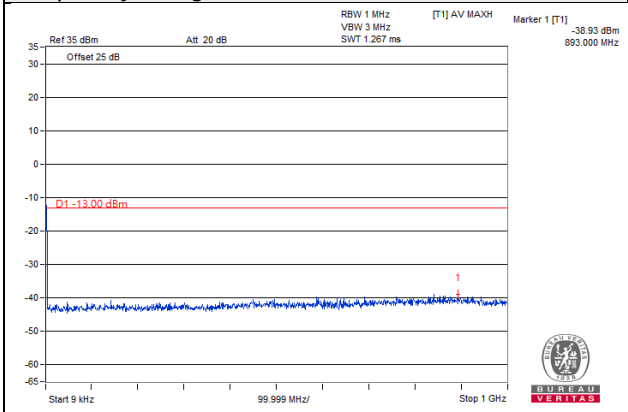
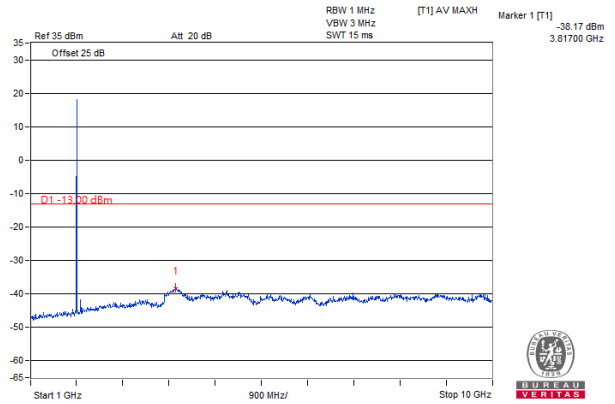
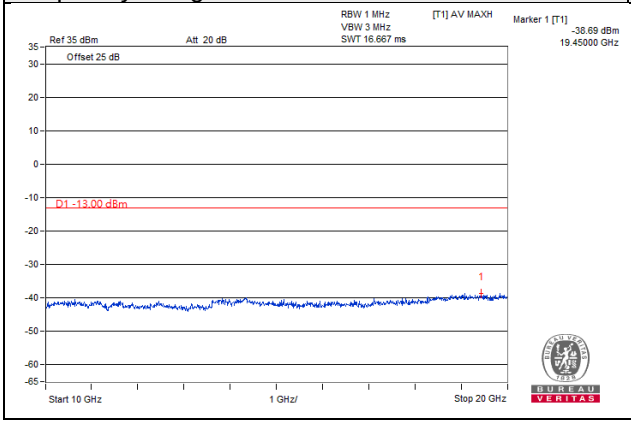
Note: The signal of 9kHz is IF signal from test instrument.

WCDMA	WCDMA
Channel 9538	Channel 9538
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz~10GHz
	
Frequency Range : 10GHz~20GHz	
	

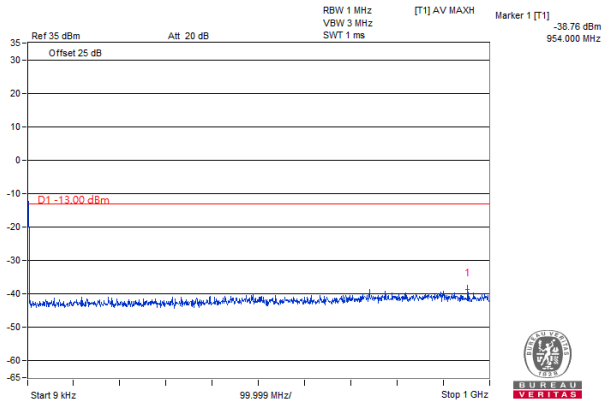
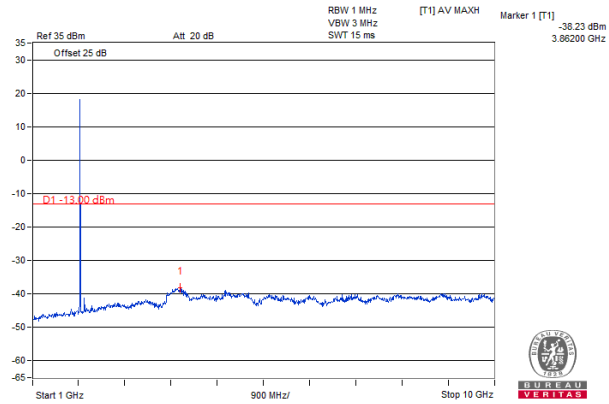
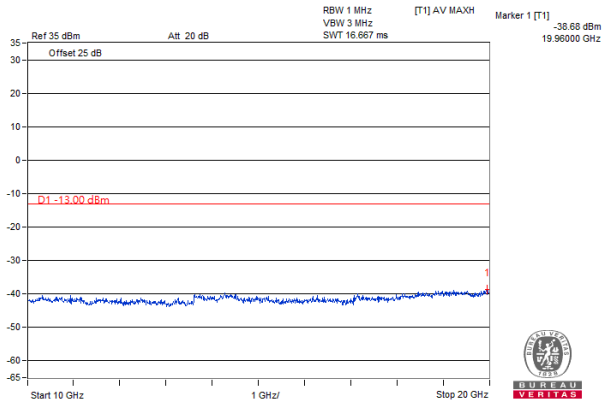
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 1.4MHz	
Channel 18607	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

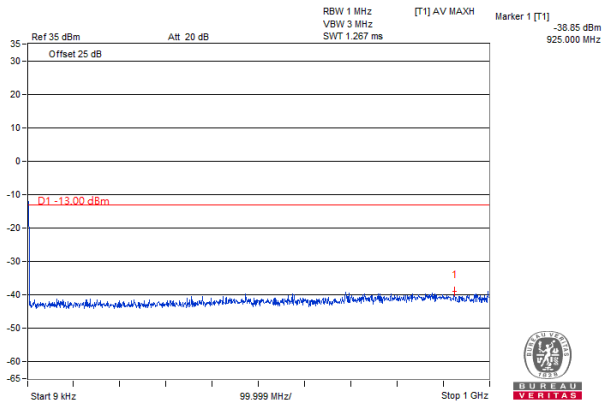
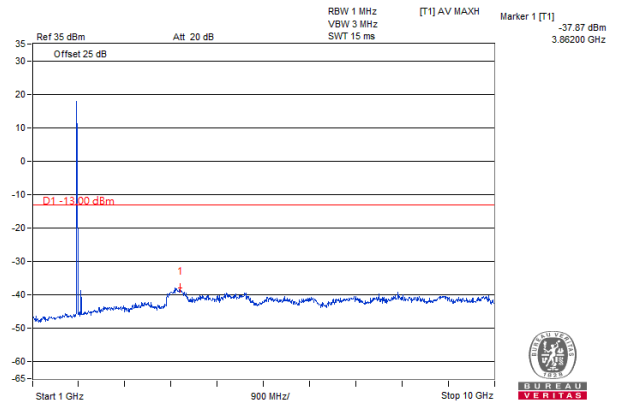
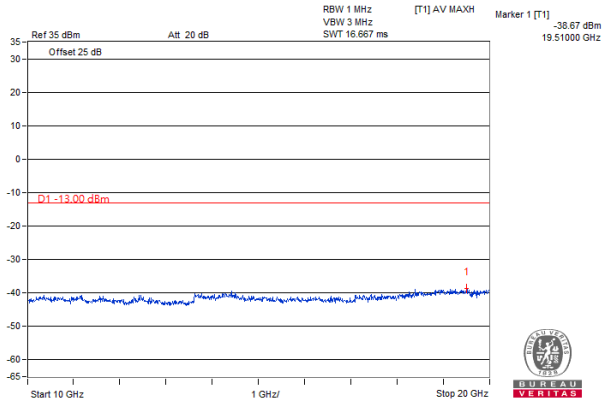
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 1.4MHz	
Channel 18900	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

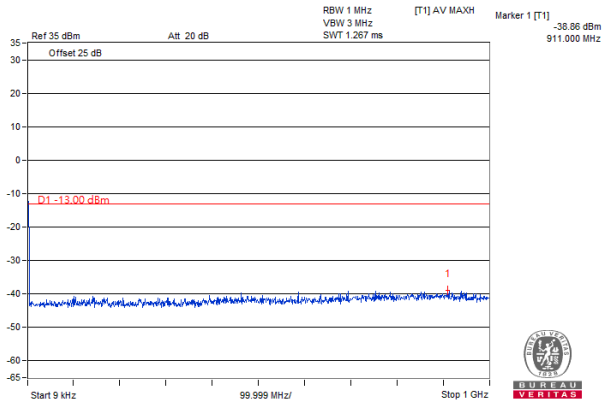
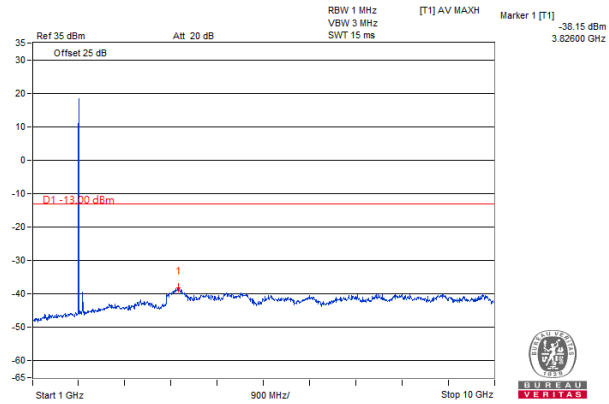
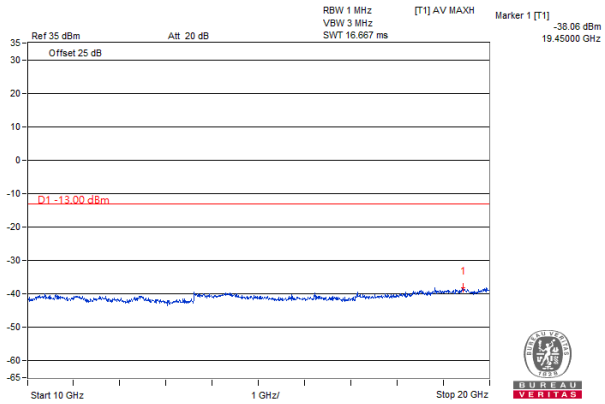
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 1.4MHz	
Channel 19193	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

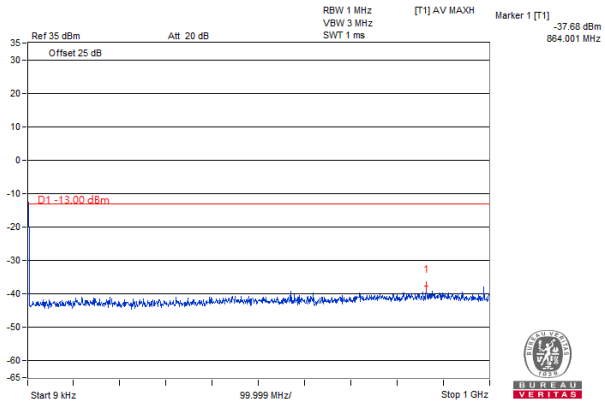
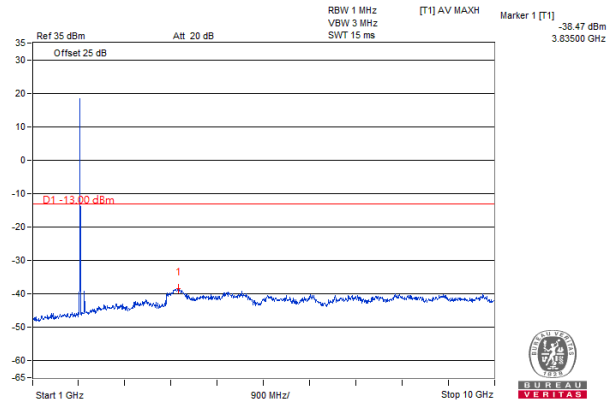
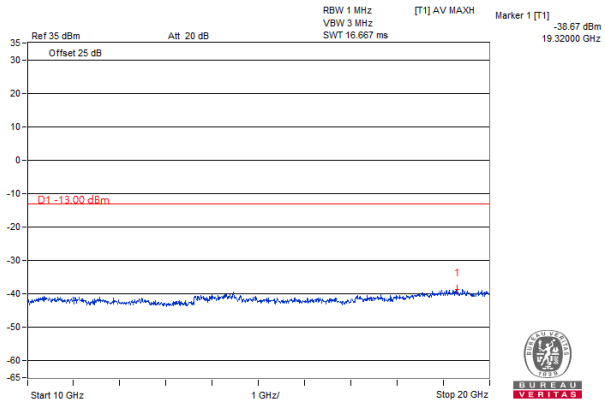
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 3MHz	
Channel 18615	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

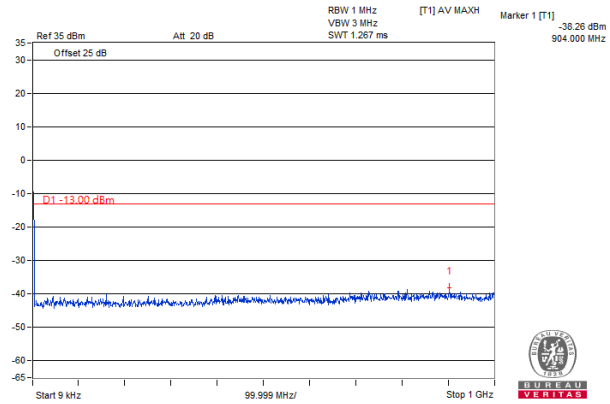
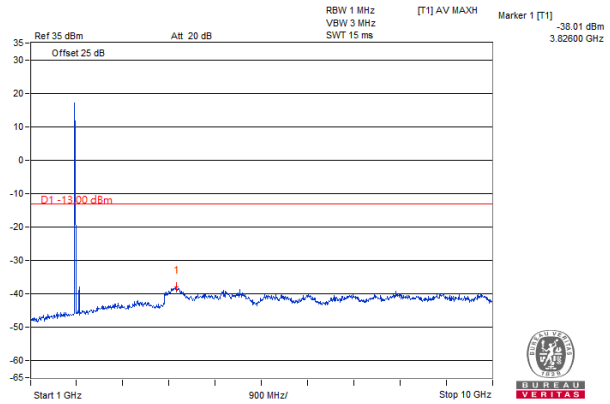
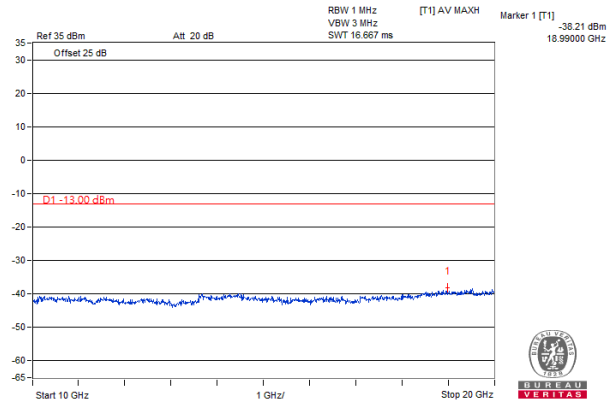
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 3MHz	
Channel 18900	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

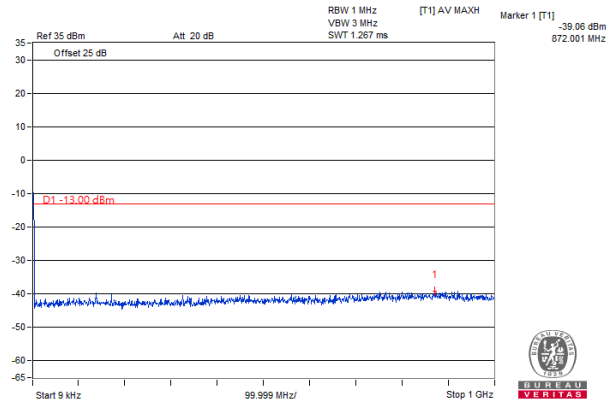
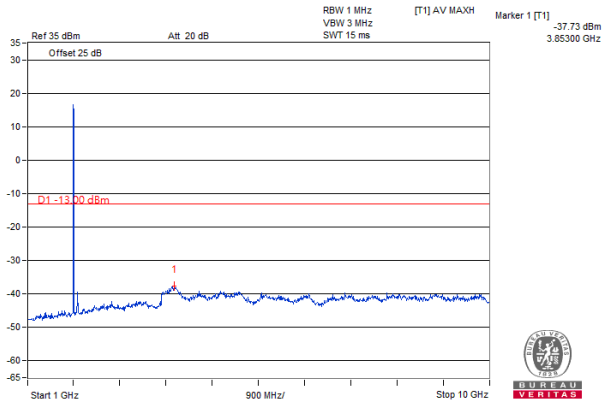
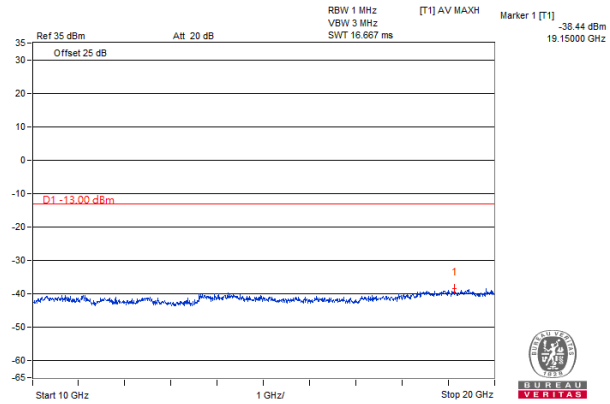
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 3MHz	
Channel 19185	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

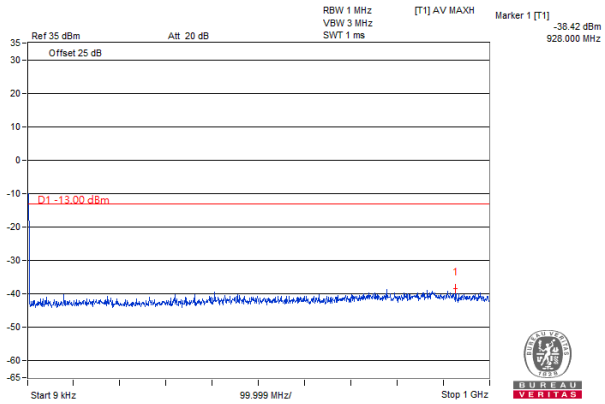
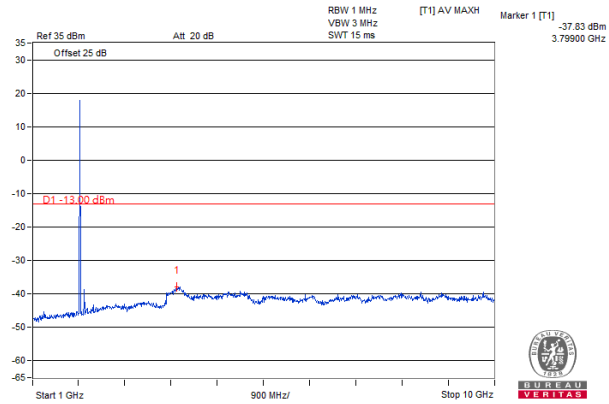
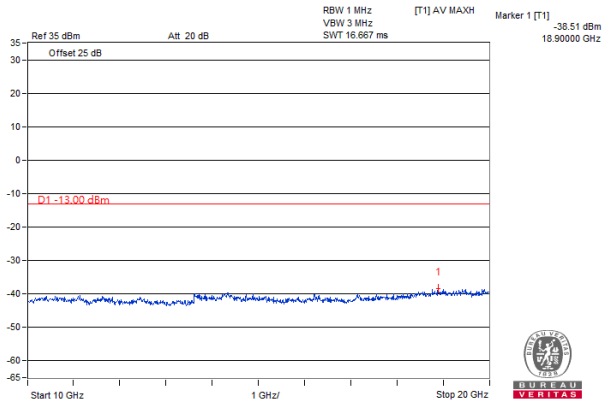
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 5MHz	
Channel 18625	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

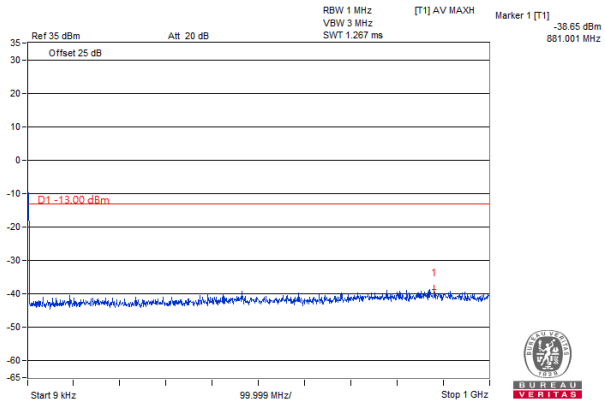
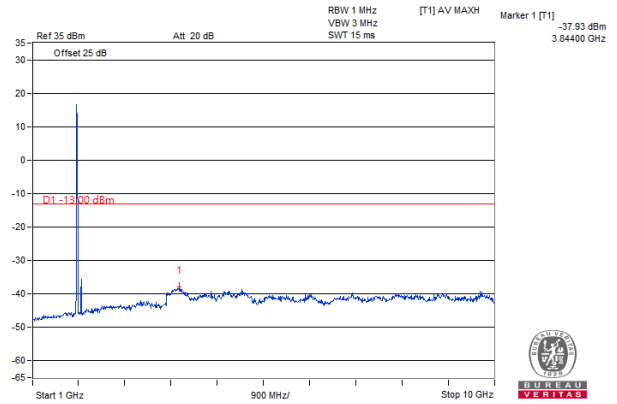
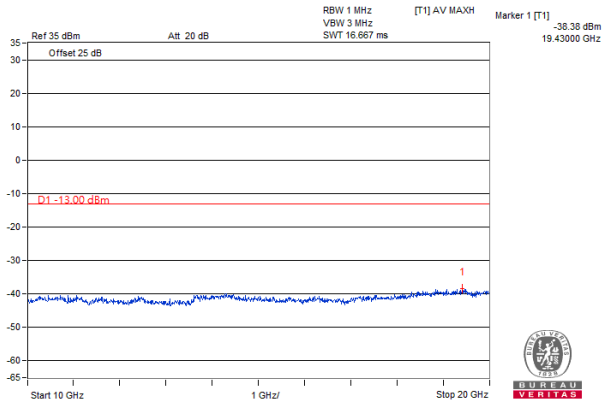
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 5MHz	
Channel 18900	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

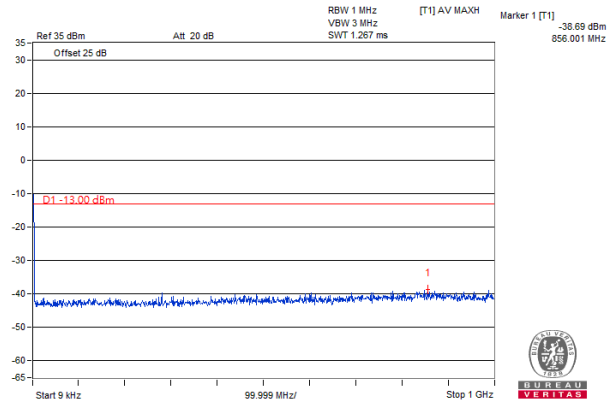
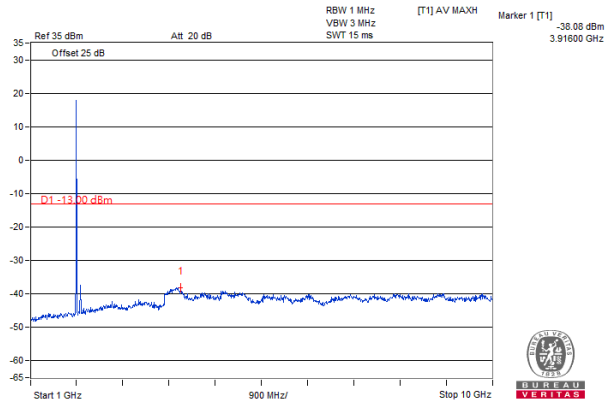
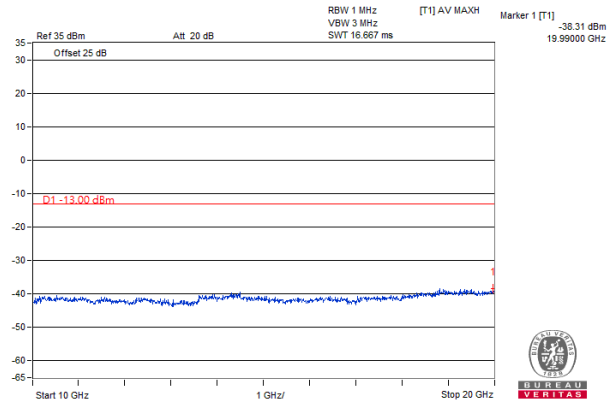
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 5MHz	
Channel 19175	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

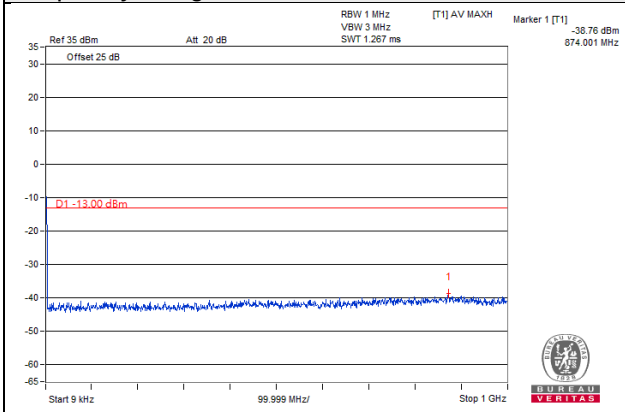
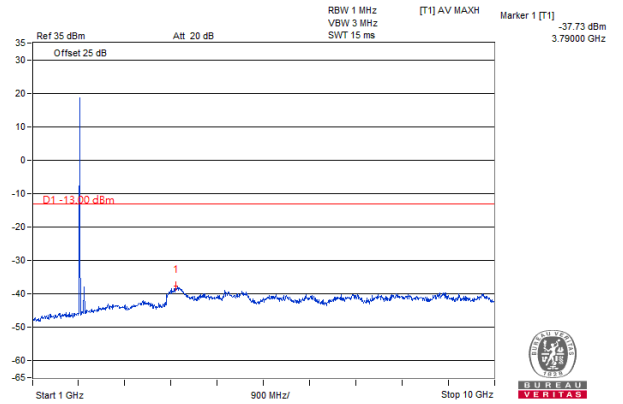
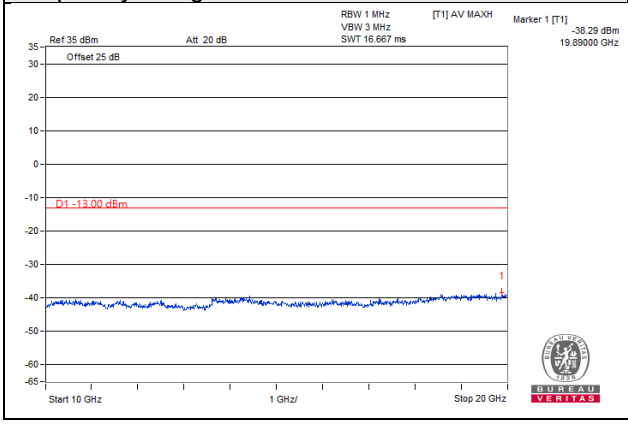
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 10MHz	
Channel 18650	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

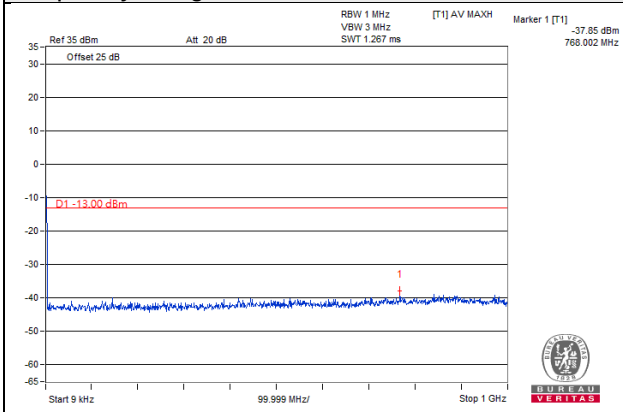
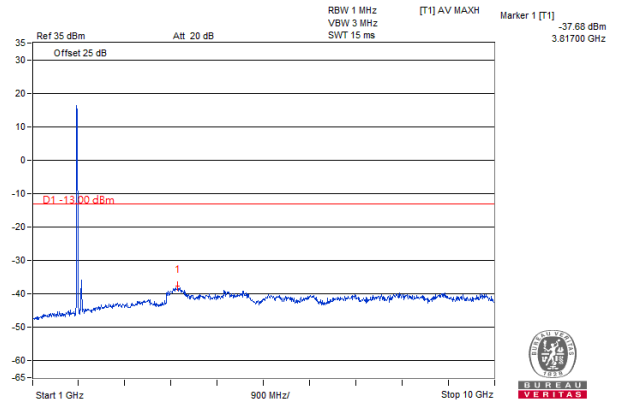
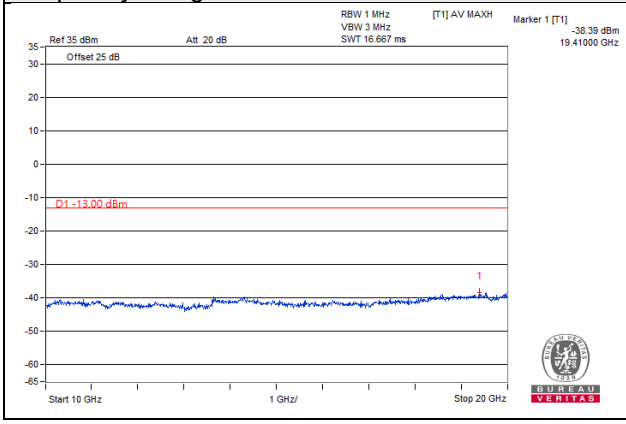
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 10MHz	
Channel 18900	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

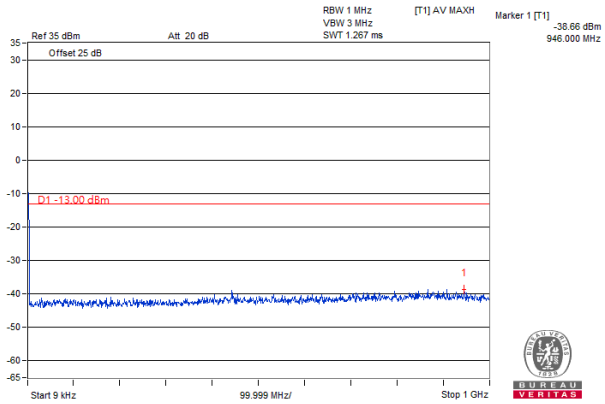
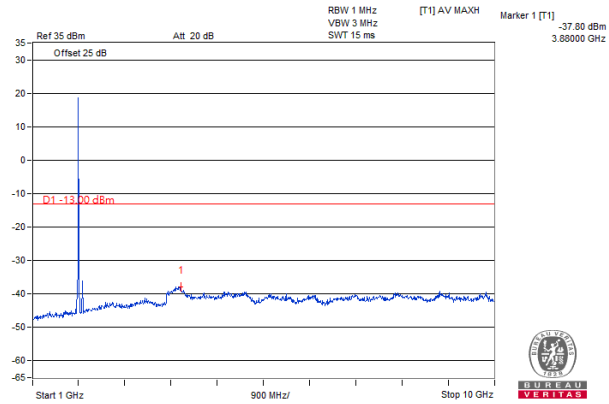
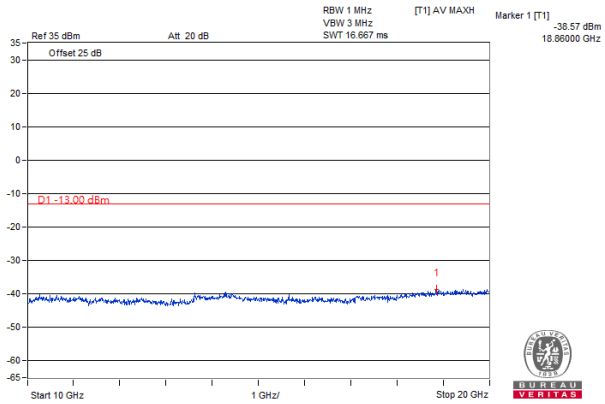
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 10MHz	
Channel 19150	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

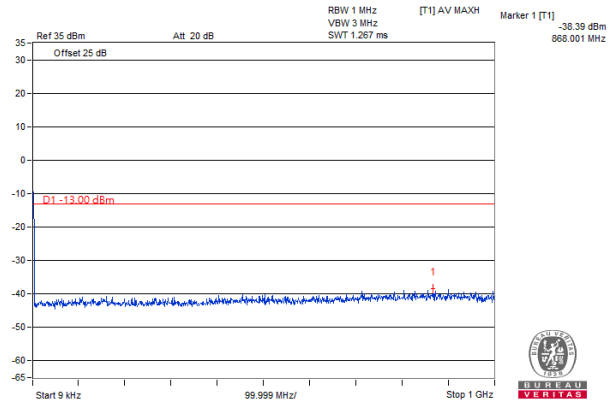
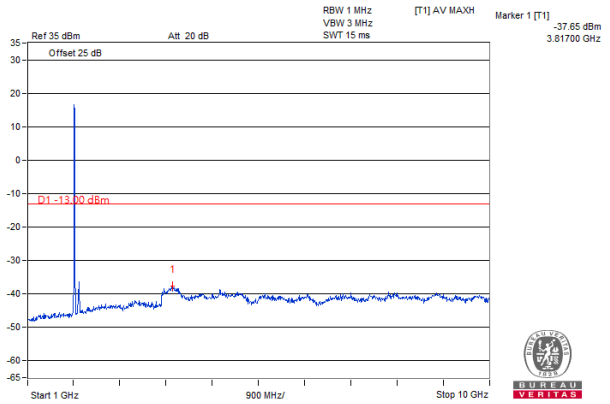
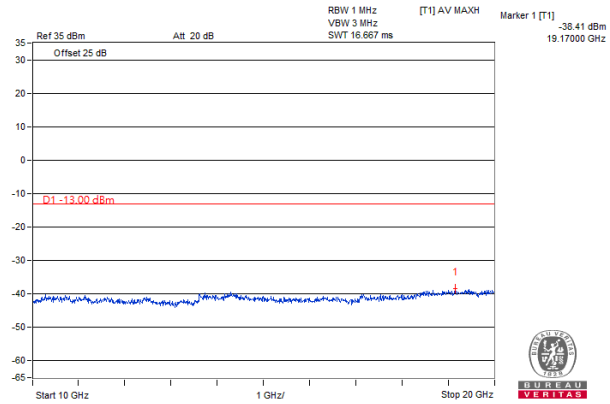
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 15MHz	
Channel 18675	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

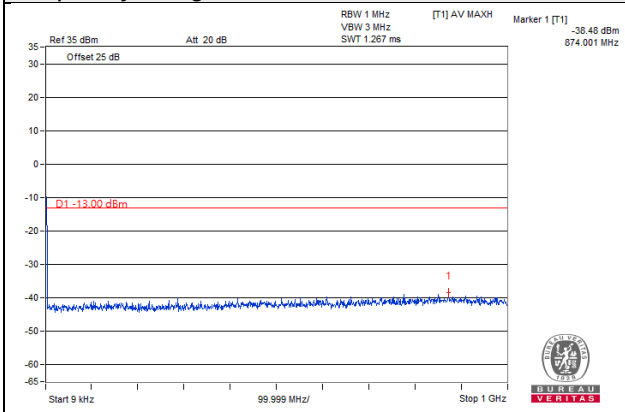
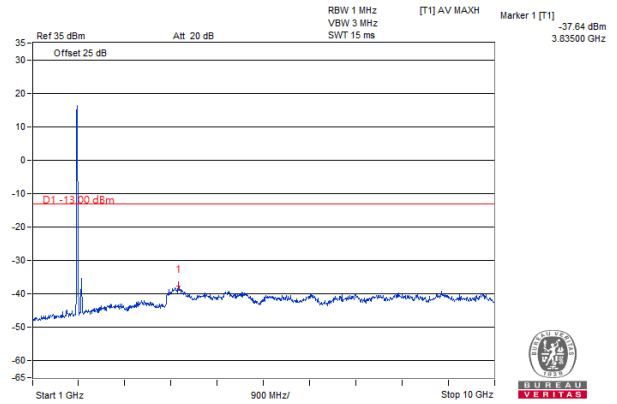
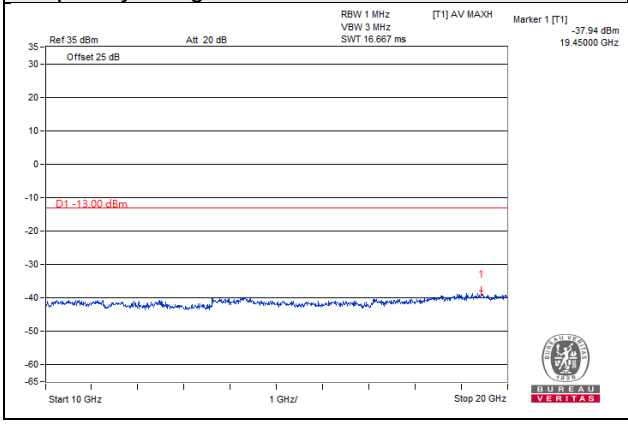
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 15MHz	
Channel 18900	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

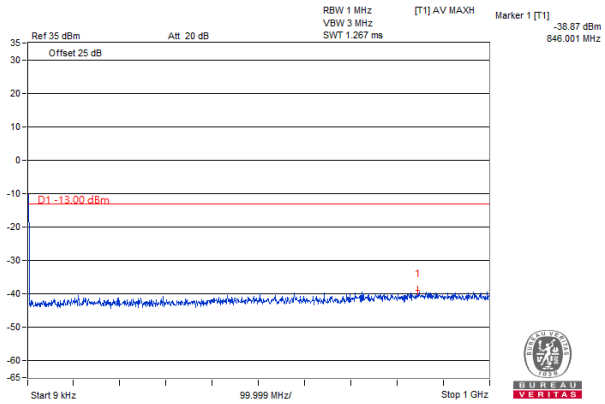
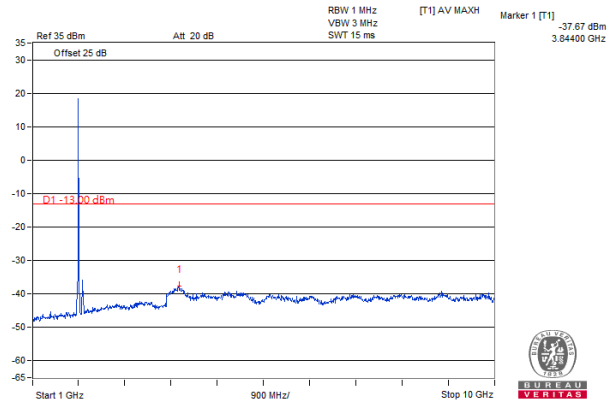
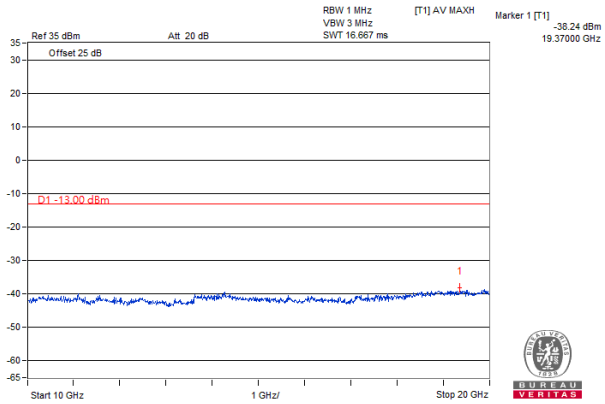
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 15MHz	
Channel 19125	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

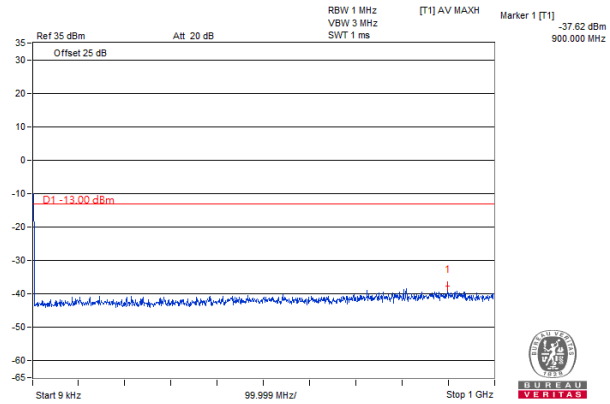
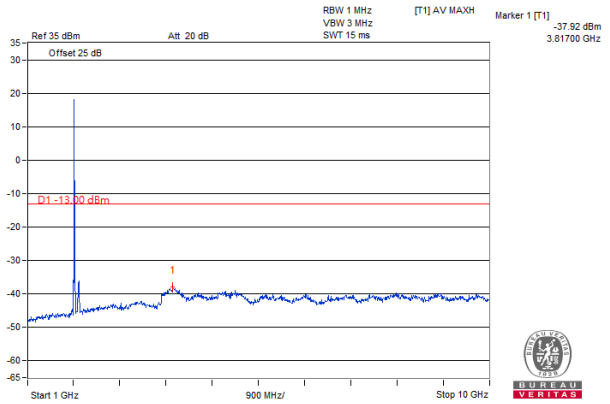
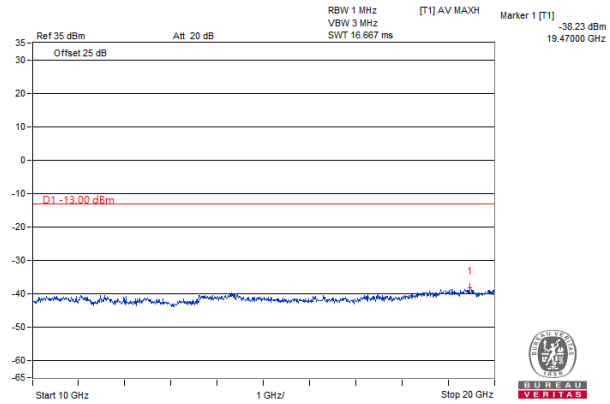
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 20MHz	
Channel 18700	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

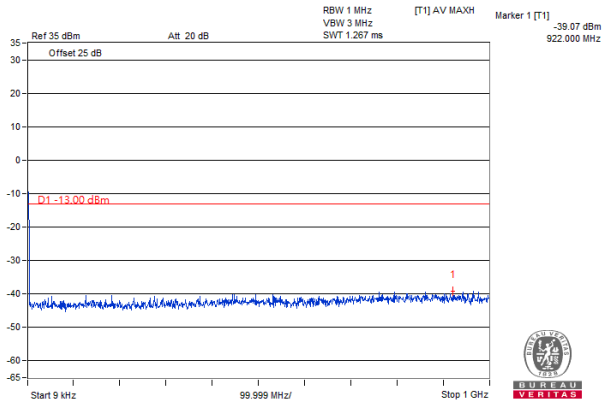
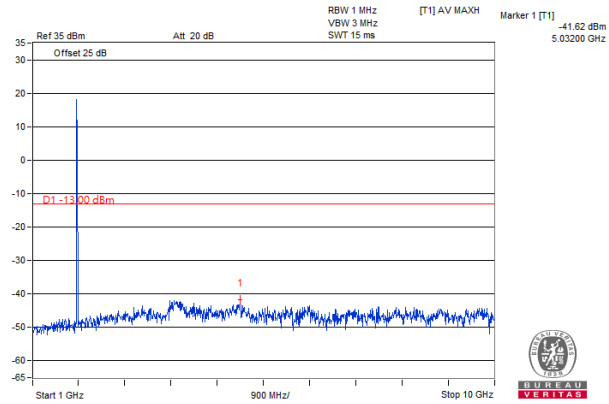
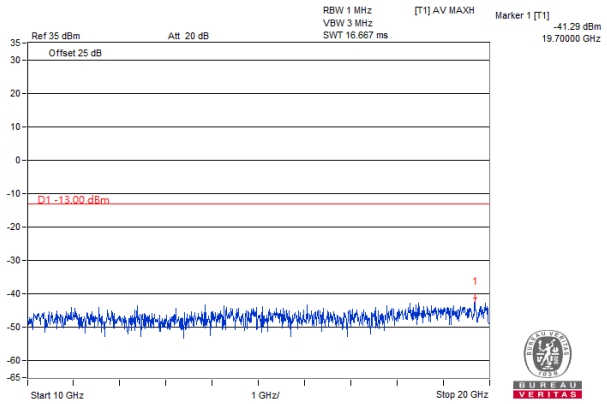
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 20MHz	
Channel 18900	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

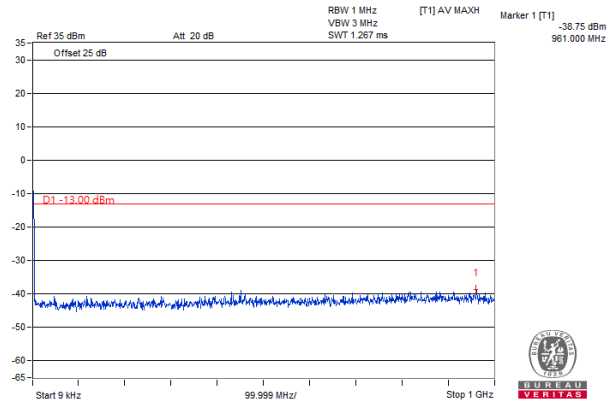
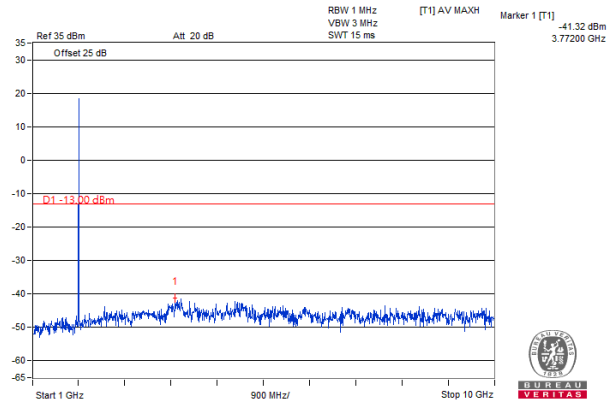
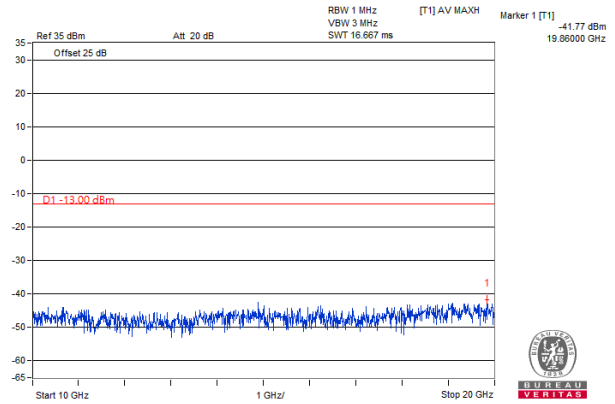
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 2 Channel Band width: 20MHz	
Channel 19100	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

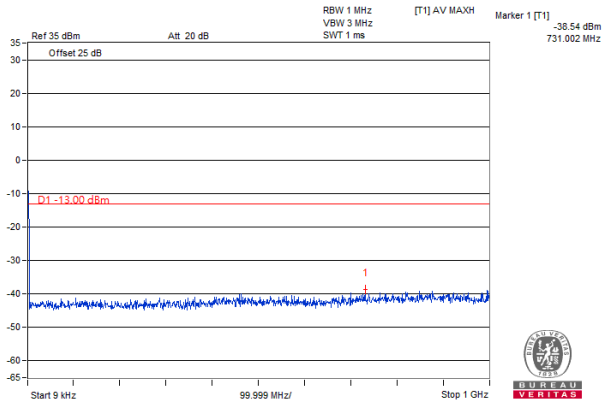
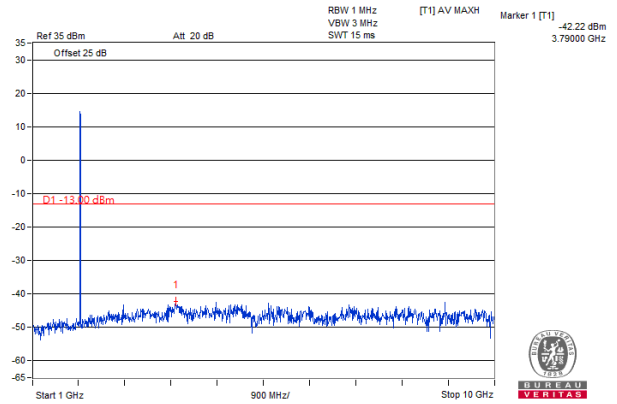
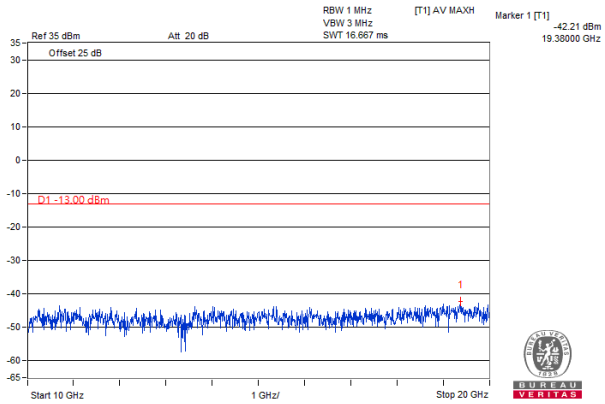
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 1.4MHz	
Channel 26047	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

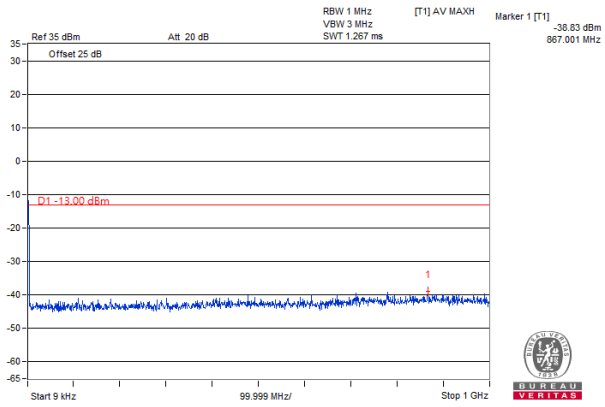
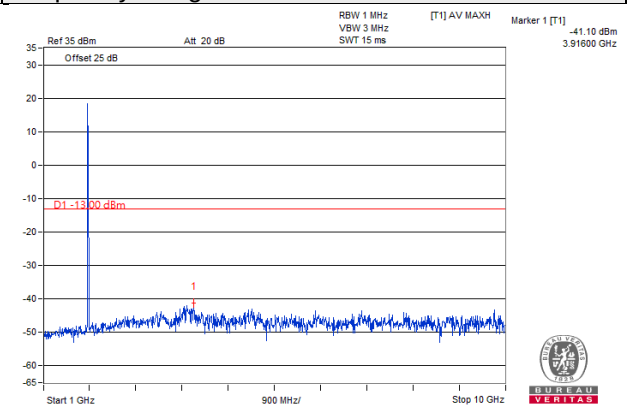
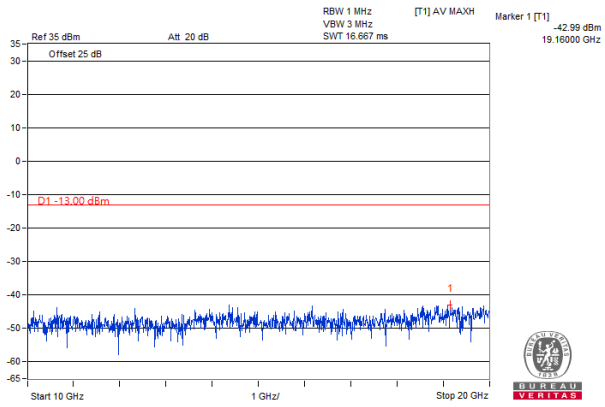
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 1.4MHz	
Channel 26365	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

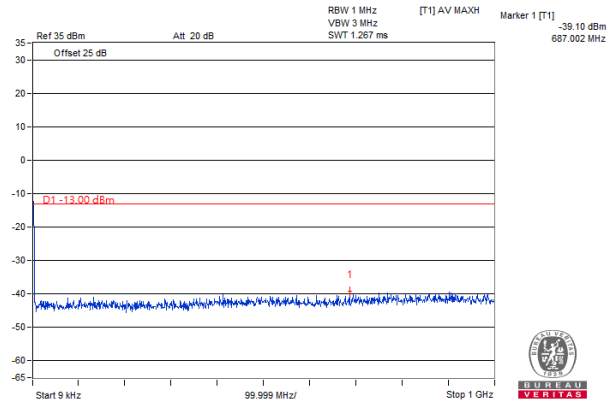
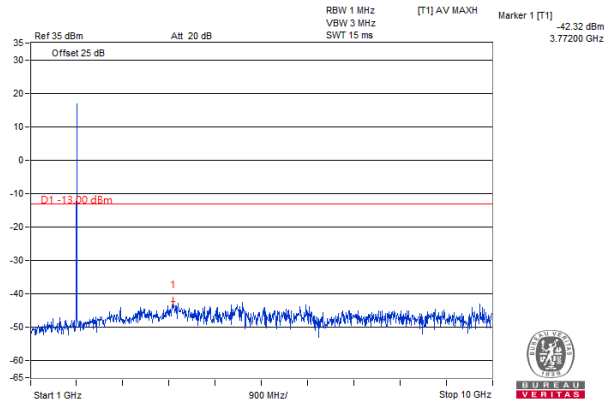
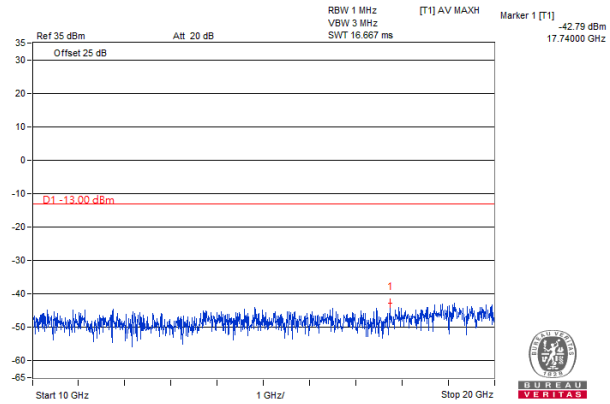
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 1.4MHz	
Channel 26683	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

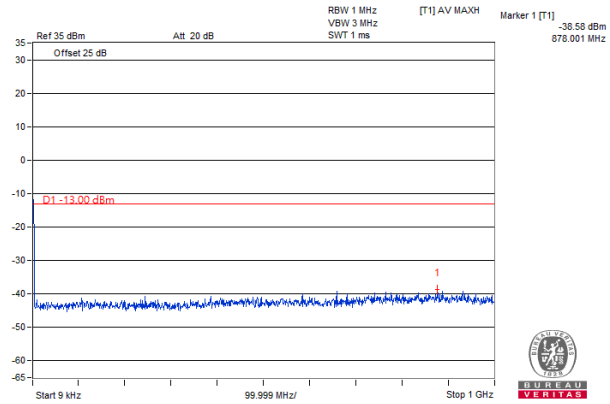
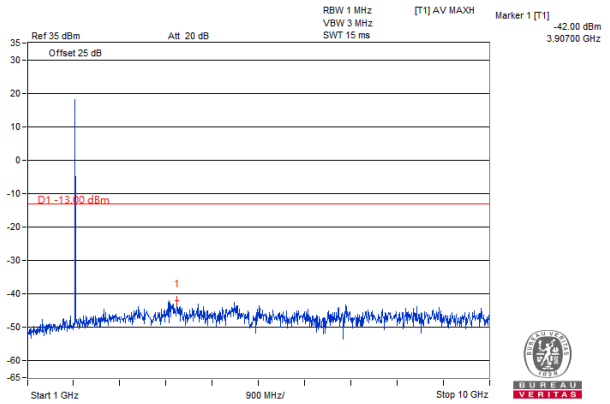
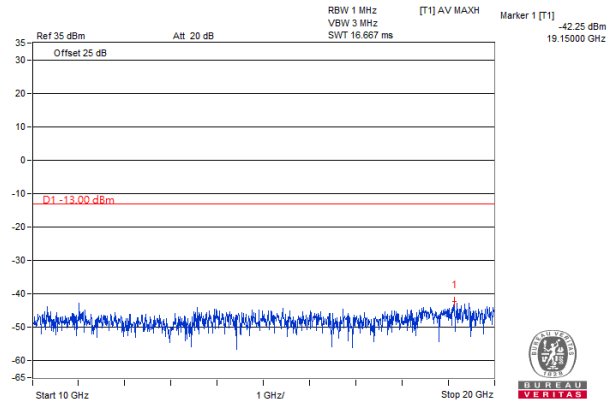
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 3MHz	
Channel 26055	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

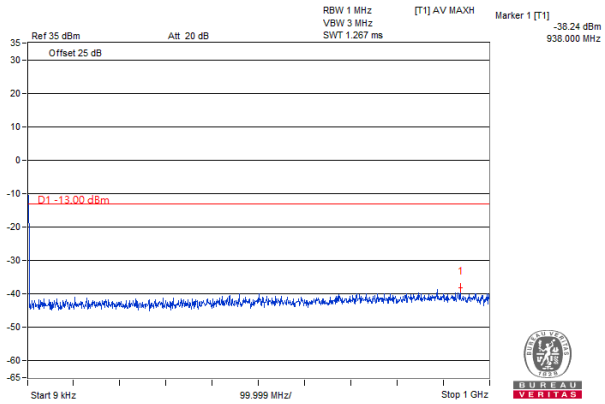
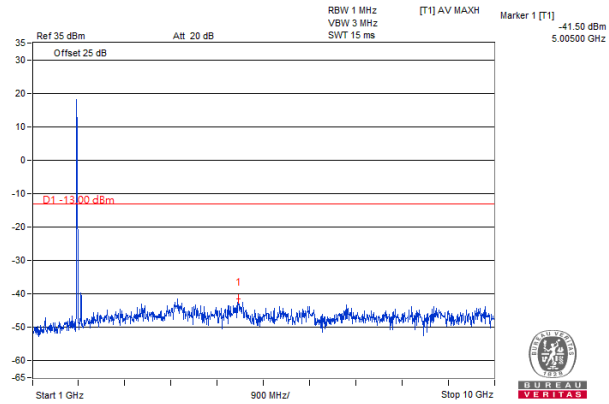
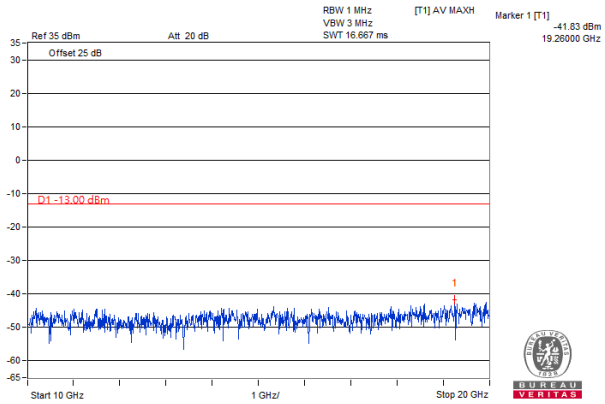
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 3MHz	
Channel 26365	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

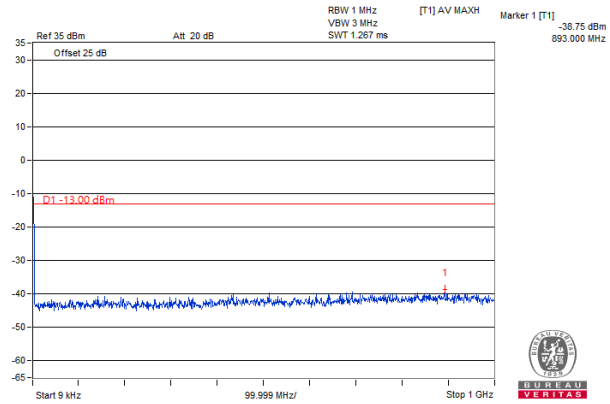
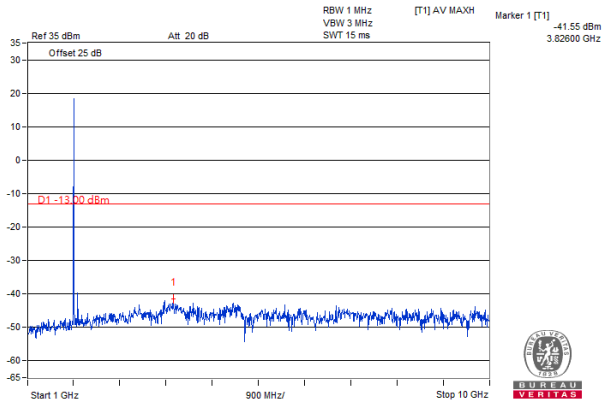
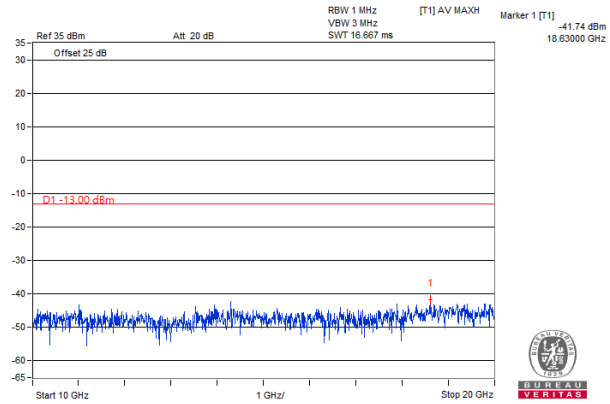
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 3MHz	
Channel 26675	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

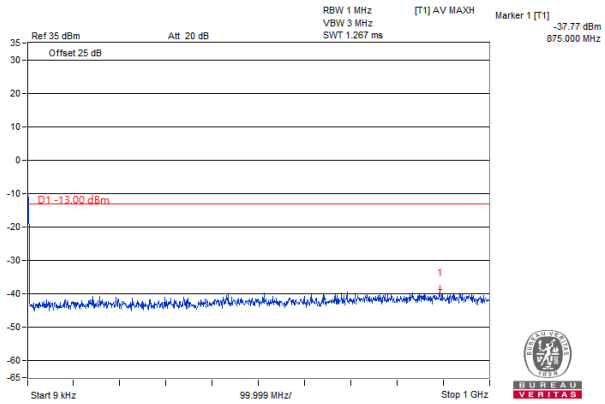
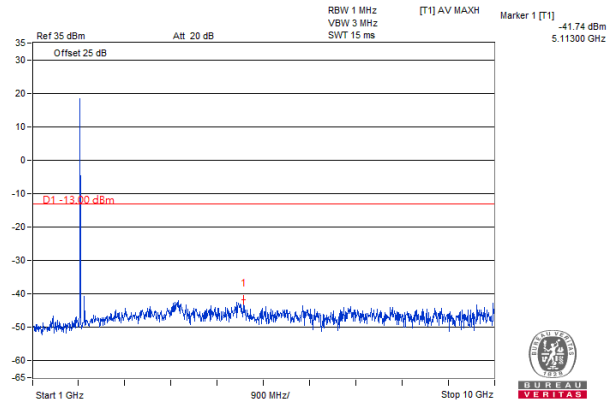
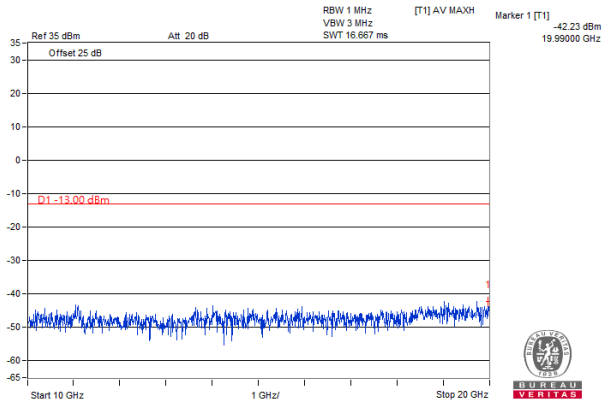
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 5MHz	
Channel 26065	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

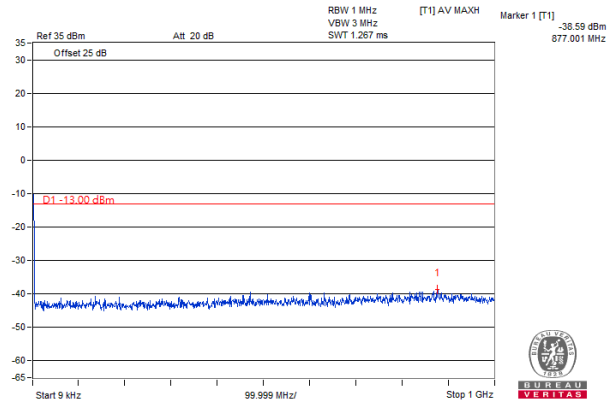
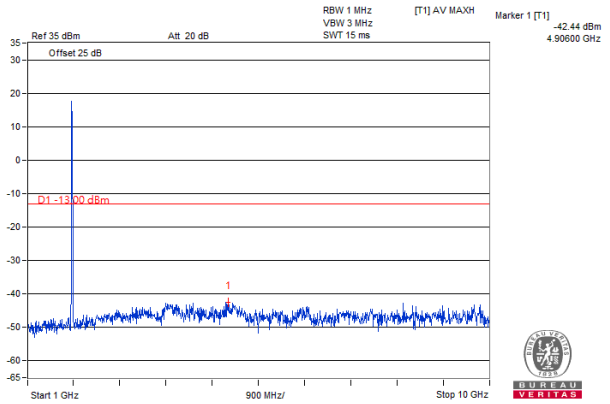
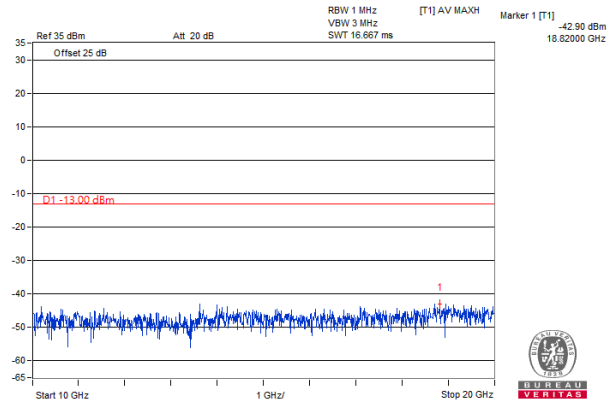
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 5MHz	
Channel 26365	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

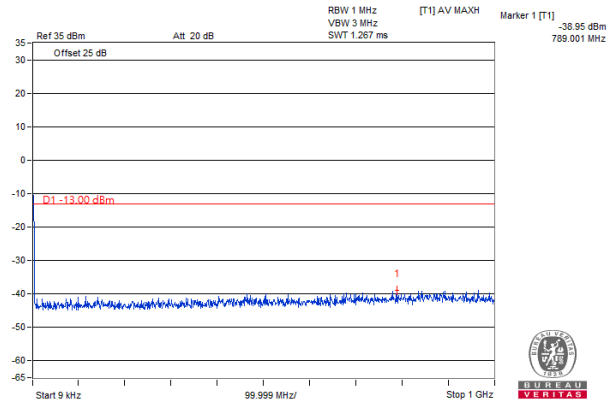
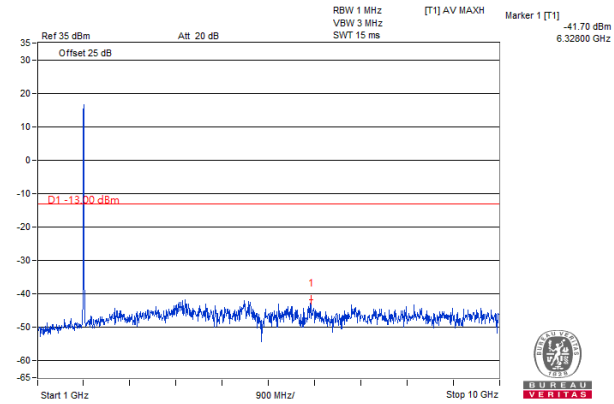
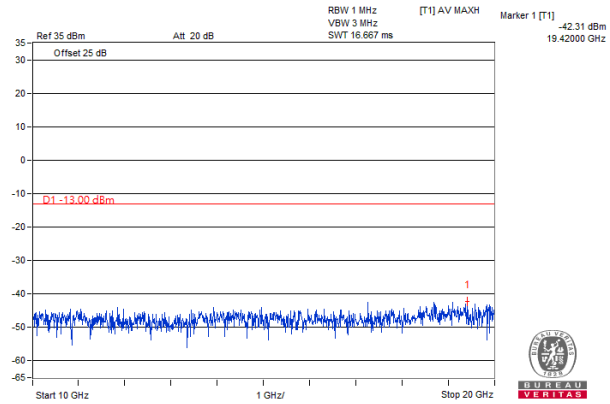
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 5MHz	
Channel 26665	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

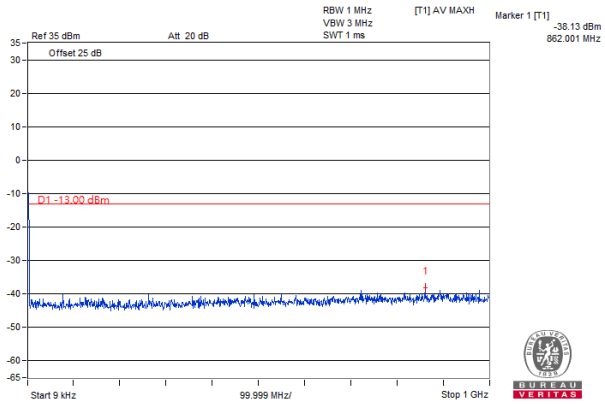
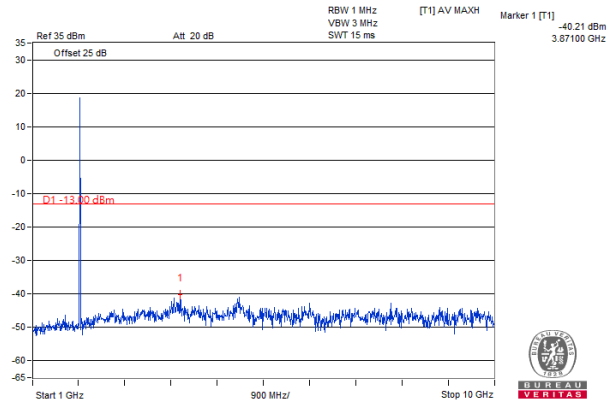
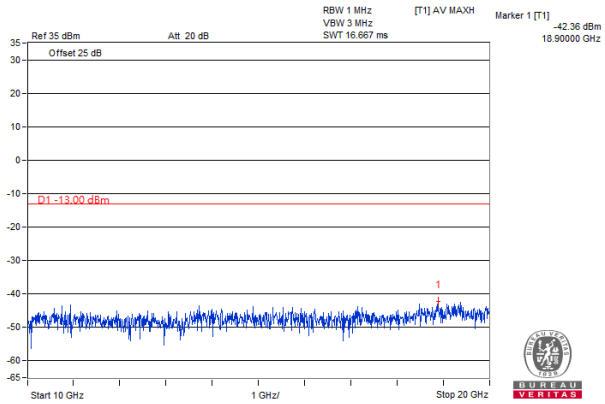
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 10MHz	
Channel 26090	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

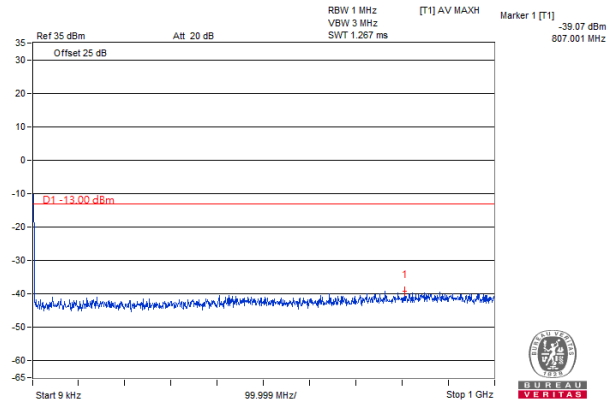
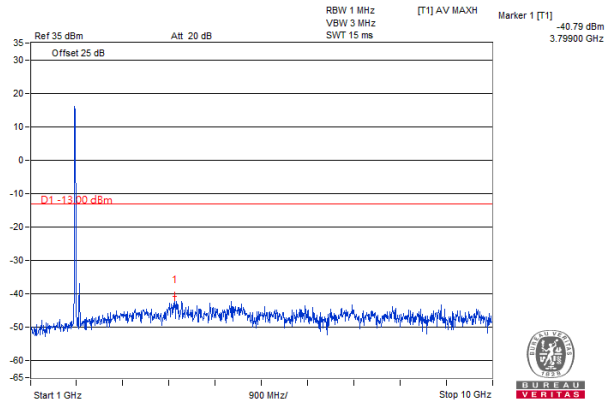
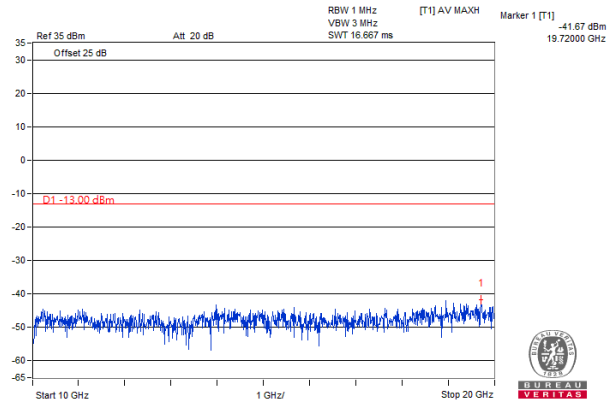
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 10MHz	
Channel 26365	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

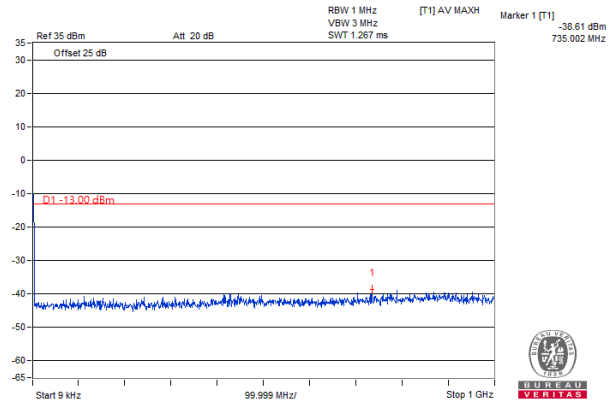
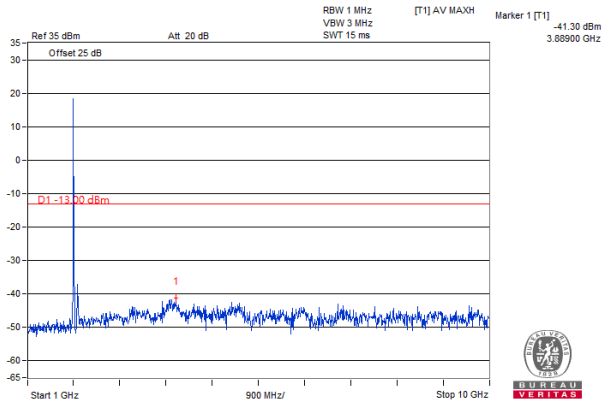
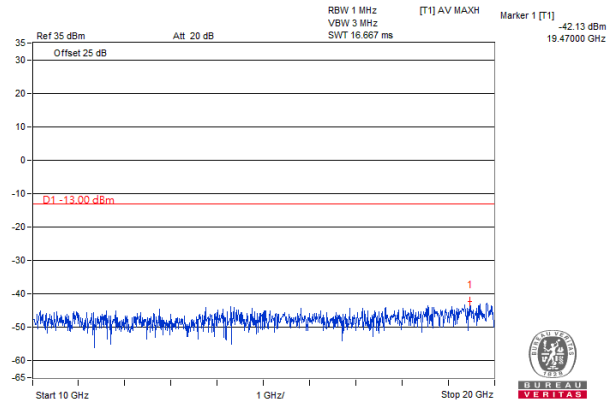
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 10MHz	
Channel 26640	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

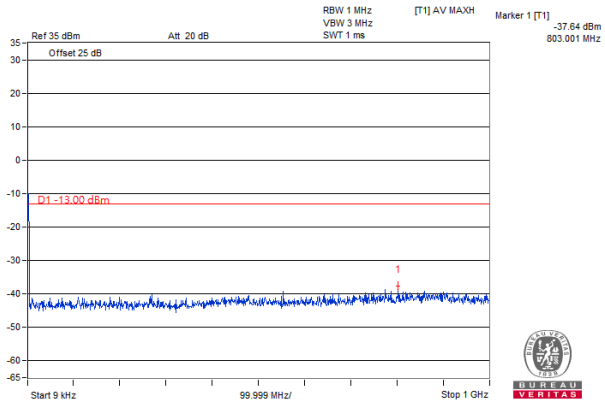
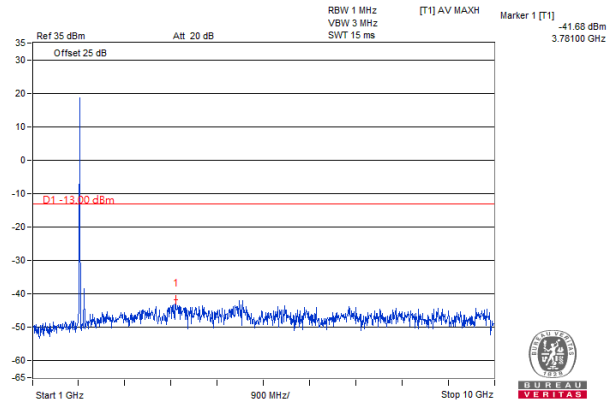
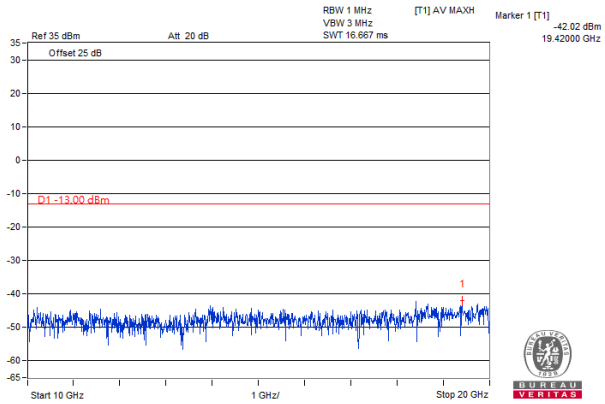
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 15MHz	
Channel 26115	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

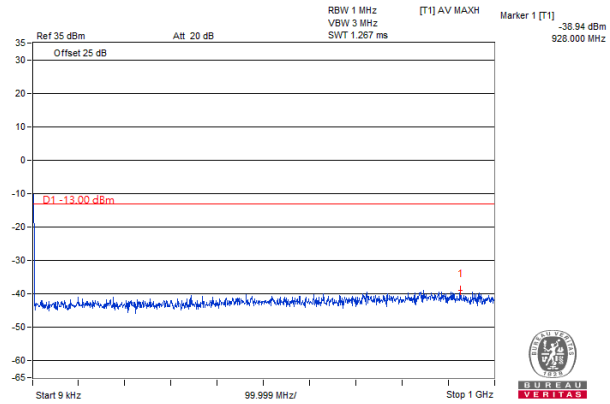
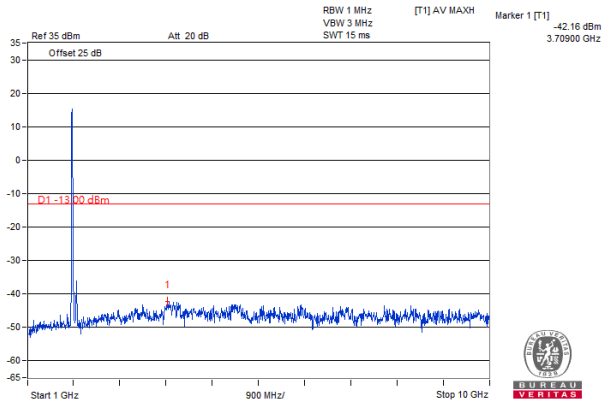
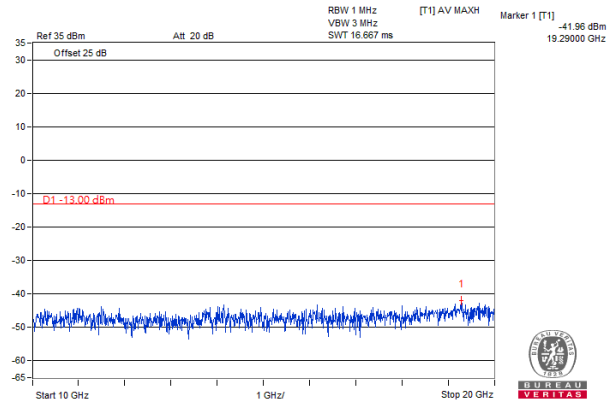
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 15MHz	
Channel 26365	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

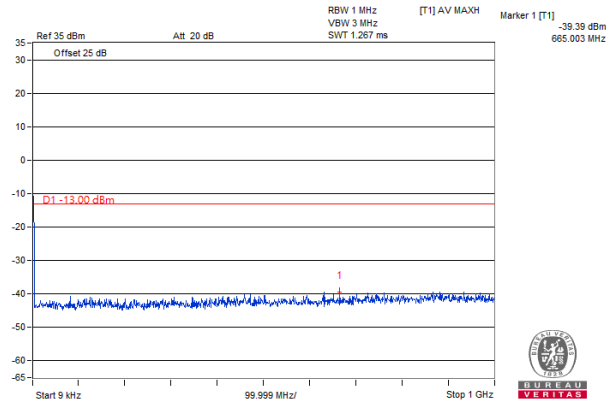
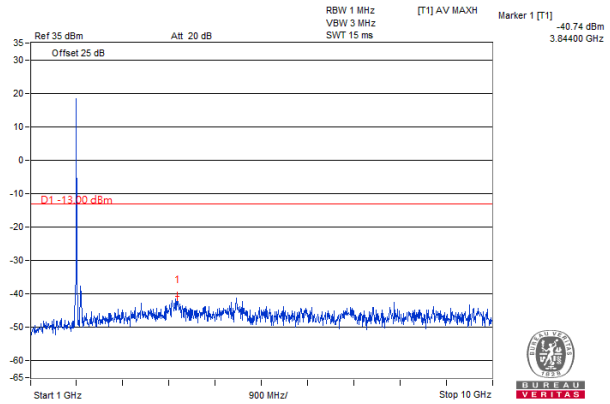
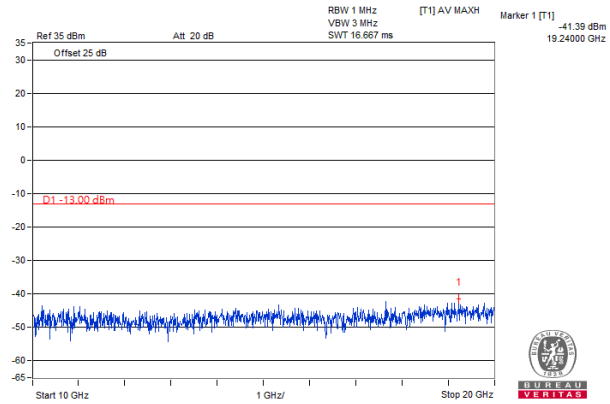
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 15MHz	
Channel 26615	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

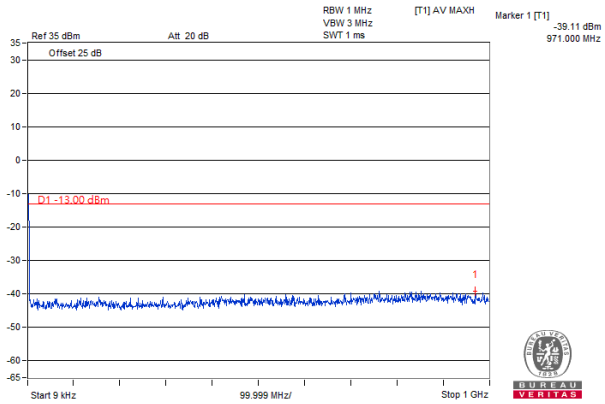
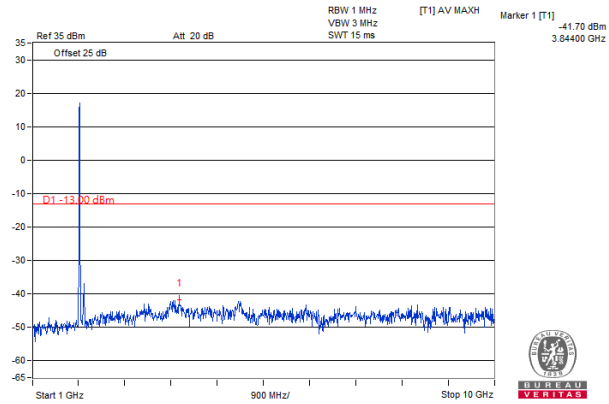
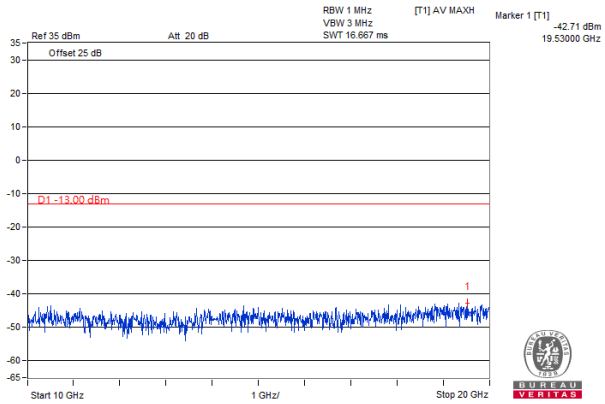
Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 20MHz	
Channel 26140	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 20MHz	
Channel 26365	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

Note: The signal of 9kHz is IF signal from test instrument.

LTE Band 25 Channel Band width: 20MHz	
Channel 26590	
Frequency Range : 9kHz~1GHz	Frequency Range : 1GHz ~10GHz
	
Frequency Range : 10GHz~20GHz	
	

Note: The signal of 9kHz is IF signal from test instrument.

4.8 Radiated Emission Measurement

4.8.1 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.

4.8.2 Test Procedure

a. The power was measured with Spectrum Analyzer.

b. Substitution method is used for EIRP measurement. In the semi-anechoic chamber, EUT placed on the 0.8m/1.5m 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.

c. The substitution antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value “ of step b. Record the power level of S.G

d. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution antenna.

e. ERP power can be calculated form EIRP power by subtracting the gain of dipole, ERP power = EIPR power - 2.15dBi.

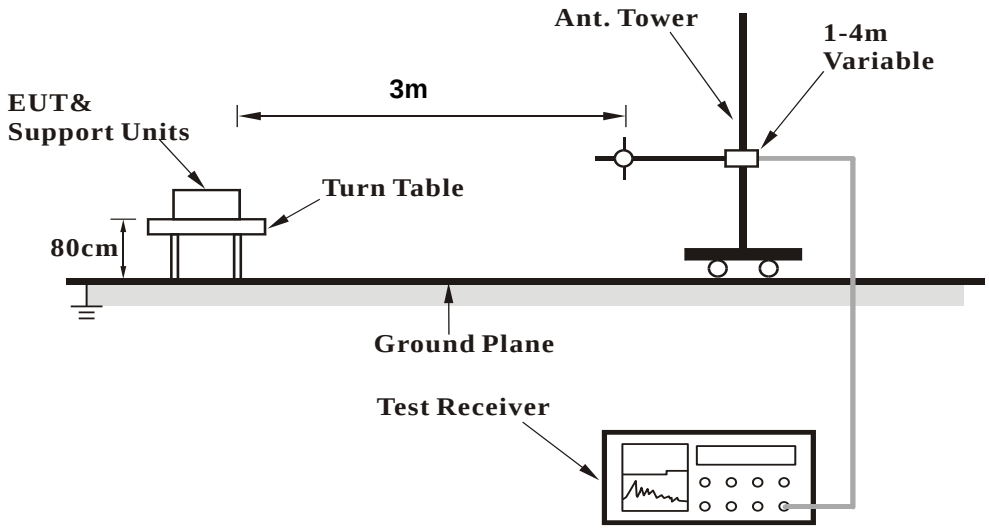
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.8.3 Deviation from Test Standard

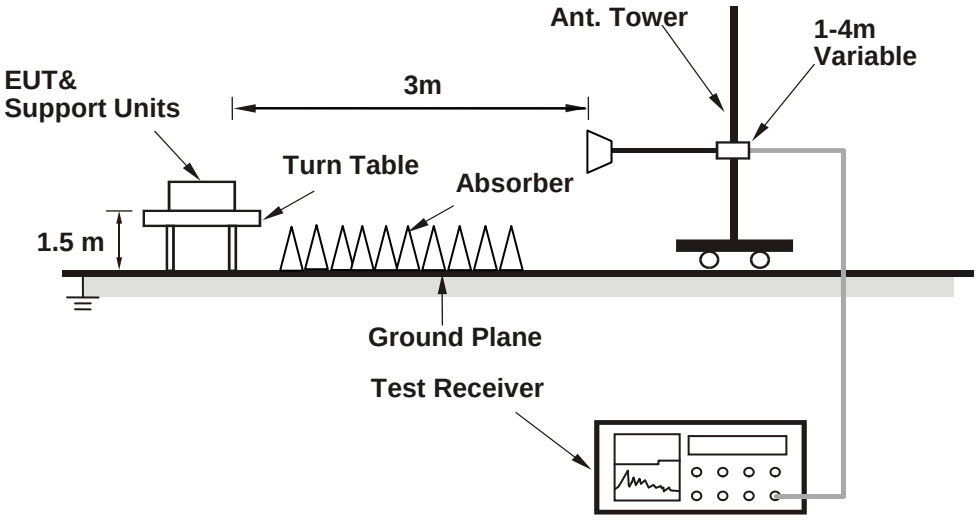
No deviation.

4.8.4 Test Setup

For Below 1GHz



For Above 1GHz:



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

4.8.5 Test Results

BELOW 1GHz

WCDMA:

Mode	TX channel 9262	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	159.1	32.92	-55.01	-0.84	-55.85	-13	-42.85
2	241.2	30.29	-65.01	3.83	-61.18	-13	-48.18
3	335.55	30.50	-67.38	3.67	-63.71	-13	-50.71
4	432.29	28.24	-70.97	2.78	-68.19	-13	-55.19
5	526.55	30.75	-64.32	2.86	-61.46	-13	-48.46
6	802.24	32.56	-65.91	1.52	-64.39	-13	-51.39
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.85	30.26	-65.89	-1.55	-67.44	-13	-54.44
2	260.39	30.16	-64.41	3.98	-60.43	-13	-47.43
3	304.07	29.02	-66.96	3.70	-63.26	-13	-50.26
4	410.96	31.49	-66.45	3.21	-63.24	-13	-50.24
5	670.77	29.01	-66.55	1.69	-64.86	-13	-51.86
6	739.02	29.49	-66.38	0.66	-65.72	-13	-52.72

Remarks:

1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 9400	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	159.06	33.36	-54.57	-0.84	-55.41	-13	-42.41
2	241.7	29.44	-65.86	3.83	-62.03	-13	-49.03
3	335.52	30.17	-67.71	3.67	-64.04	-13	-51.04
4	431.68	28.36	-70.85	2.78	-68.07	-13	-55.07
5	525.77	30.88	-64.19	2.86	-61.33	-13	-48.33
6	804.02	31.49	-66.98	1.52	-65.46	-13	-52.46
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	133.08	31.29	-64.86	-1.55	-66.41	-13	-53.41
2	258.92	29.94	-64.63	3.98	-60.65	-13	-47.65
3	304.25	29.39	-66.59	3.70	-62.89	-13	-49.89
4	411.85	31.79	-66.15	3.21	-62.94	-13	-49.94
5	670.87	29.83	-65.73	1.69	-64.04	-13	-51.04
6	738.76	29.84	-66.03	0.66	-65.37	-13	-52.37

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 9538	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	159.51	33.27	-54.66	-0.84	-55.50	-13	-42.50
2	240.93	29.42	-65.88	3.83	-62.05	-13	-49.05
3	337.39	30.55	-67.33	3.67	-63.66	-13	-50.66
4	433.4	27.02	-72.19	2.78	-69.41	-13	-56.41
5	526.78	29.79	-65.28	2.86	-62.42	-13	-49.42
6	802.97	31.17	-67.30	1.52	-65.78	-13	-52.78
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	132.61	30.98	-65.17	-1.55	-66.72	-13	-53.72
2	259.61	29.63	-64.94	3.98	-60.96	-13	-47.96
3	305.41	29.61	-66.37	3.70	-62.67	-13	-49.67
4	411.4	32.06	-65.88	3.21	-62.67	-13	-49.67
5	670.59	28.60	-66.96	1.69	-65.27	-13	-52.27
6	739.32	30.04	-65.83	0.66	-65.17	-13	-52.17

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 1.4 MHz

Mode	TX channel 18607	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.49	32.94	-54.99	-0.84	-55.83	-13	-42.83
2	240.31	31.59	-63.71	3.83	-59.88	-13	-46.88
3	335.88	33.18	-64.70	3.67	-61.03	-13	-48.03
4	434.29	33.47	-65.74	2.78	-62.96	-13	-49.96
5	526.54	29.86	-65.21	2.86	-62.35	-13	-49.35
6	803.5	30.19	-68.28	1.52	-66.76	-13	-53.76
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.82	29.95	-66.20	-1.55	-67.75	-13	-54.75
2	260.17	28.68	-65.89	3.98	-61.91	-13	-48.91
3	306.6	27.63	-68.35	3.70	-64.65	-13	-51.65
4	409.88	30.18	-67.76	3.21	-64.55	-13	-51.55
5	671.01	29.18	-66.38	1.69	-64.69	-13	-51.69
6	740.33	30.19	-65.68	0.66	-65.02	-13	-52.02

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.66	32.00	-55.93	-0.84	-56.77	-13	-43.77
2	239.58	30.71	-64.59	3.83	-60.76	-13	-47.76
3	336.26	32.75	-65.13	3.67	-61.46	-13	-48.46
4	433.37	33.42	-65.79	2.78	-63.01	-13	-50.01
5	525.63	28.80	-66.27	2.86	-63.41	-13	-50.41
6	803.3	28.94	-69.53	1.52	-68.01	-13	-55.01
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.66	32.00	-55.93	-0.84	-56.77	-13	-43.77
2	239.58	30.71	-64.59	3.83	-60.76	-13	-47.76
3	336.26	32.75	-65.13	3.67	-61.46	-13	-48.46
4	433.37	33.42	-65.79	2.78	-63.01	-13	-50.01
5	525.63	28.80	-66.27	2.86	-63.41	-13	-50.41
6	803.3	28.94	-69.53	1.52	-68.01	-13	-55.01

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19193	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.97	32.63	-55.30	-0.84	-56.14	-13	-43.14
2	241.23	31.52	-63.78	3.83	-59.95	-13	-46.95
3	335.66	32.95	-64.93	3.67	-61.26	-13	-48.26
4	434.99	32.77	-66.44	2.78	-63.66	-13	-50.66
5	526.24	29.11	-65.96	2.86	-63.10	-13	-50.10
6	803.92	29.89	-68.58	1.52	-67.06	-13	-54.06
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.93	29.86	-66.29	-1.55	-67.84	-13	-54.84
2	260.85	28.52	-66.05	3.98	-62.07	-13	-49.07
3	306.19	26.47	-69.51	3.70	-65.81	-13	-52.81
4	410	29.02	-68.92	3.21	-65.71	-13	-52.71
5	671.39	27.76	-67.80	1.69	-66.11	-13	-53.11
6	741.15	29.81	-66.06	0.66	-65.40	-13	-52.40

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 3 MHz

Mode	TX channel 18615	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.9	32.42	-55.51	-0.84	-56.35	-13	-43.35
2	240.33	30.94	-64.36	3.83	-60.53	-13	-47.53
3	335.36	32.57	-65.31	3.67	-61.64	-13	-48.64
4	434.46	32.56	-66.65	2.78	-63.87	-13	-50.87
5	527.31	29.16	-65.91	2.86	-63.05	-13	-50.05
6	804.12	30.13	-68.34	1.52	-66.82	-13	-53.82
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.18	29.50	-66.65	-1.55	-68.20	-13	-55.20
2	259.82	27.99	-66.58	3.98	-62.60	-13	-49.60
3	306.5	26.82	-69.16	3.70	-65.46	-13	-52.46
4	409.97	28.89	-69.05	3.21	-65.84	-13	-52.84
5	671.29	28.39	-67.17	1.69	-65.48	-13	-52.48
6	740.28	28.85	-67.02	0.66	-66.36	-13	-53.36

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.49	32.86	-55.07	-0.84	-55.91	-13	-42.91
2	240.96	30.81	-64.49	3.83	-60.66	-13	-47.66
3	335.72	32.99	-64.89	3.67	-61.22	-13	-48.22
4	434.5	32.38	-66.83	2.78	-64.05	-13	-51.05
5	526.16	29.28	-65.79	2.86	-62.93	-13	-49.93
6	804.49	28.91	-69.56	1.52	-68.04	-13	-55.04
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	129.99	28.63	-67.52	-1.55	-69.07	-13	-56.07
2	259.6	27.33	-67.24	3.98	-63.26	-13	-50.26
3	306.88	26.98	-69.00	3.70	-65.30	-13	-52.30
4	409.49	29.07	-68.87	3.21	-65.66	-13	-52.66
5	671.6	28.83	-66.73	1.69	-65.04	-13	-52.04
6	740.95	29.82	-66.05	0.66	-65.39	-13	-52.39

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19185	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.55	32.34	-55.59	-0.84	-56.43	-13	-43.43
2	240.7	31.01	-64.29	3.83	-60.46	-13	-47.46
3	336.15	31.69	-66.19	3.67	-62.52	-13	-49.52
4	435.13	32.88	-66.33	2.78	-63.55	-13	-50.55
5	526.99	29.58	-65.49	2.86	-62.63	-13	-49.63
6	804.2	29.97	-68.50	1.52	-66.98	-13	-53.98
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.6	29.35	-66.80	-1.55	-68.35	-13	-55.35
2	260.46	27.38	-67.19	3.98	-63.21	-13	-50.21
3	306.07	30.15	-65.83	3.70	-62.13	-13	-49.13
4	409.82	29.03	-68.91	3.21	-65.70	-13	-52.70
5	671.56	28.50	-67.06	1.69	-65.37	-13	-52.37
6	739.63	31.18	-64.69	0.66	-64.03	-13	-51.03

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 5 MHz

Mode	TX channel 18625	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.87	31.99	-55.94	-0.84	-56.78	-13	-43.78
2	239.34	31.01	-64.29	3.83	-60.46	-13	-47.46
3	335.92	31.98	-65.90	3.67	-62.23	-13	-49.23
4	434.57	32.86	-66.35	2.78	-63.57	-13	-50.57
5	526.57	29.30	-65.77	2.86	-62.91	-13	-49.91
6	803.83	28.81	-69.66	1.52	-68.14	-13	-55.14
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	129.77	28.71	-67.44	-1.55	-68.99	-13	-55.99
2	260.03	26.94	-67.63	3.98	-63.65	-13	-50.65
3	305.25	29.17	-66.81	3.70	-63.11	-13	-50.11
4	409.9	28.27	-69.67	3.21	-66.46	-13	-53.46
5	671.81	28.41	-67.15	1.69	-65.46	-13	-52.46
6	738.8	30.91	-64.96	0.66	-64.30	-13	-51.30

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	159.26	32.02	-55.91	-0.84	-56.75	-13	-43.75
2	240.1	31.30	-64.00	3.83	-60.17	-13	-47.17
3	335.37	32.57	-65.31	3.67	-61.64	-13	-48.64
4	435.27	32.70	-66.51	2.78	-63.73	-13	-50.73
5	527.38	28.93	-66.14	2.86	-63.28	-13	-50.28
6	804.3	29.31	-69.16	1.52	-67.64	-13	-54.64
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	129.9	28.21	-67.94	-1.55	-69.49	-13	-56.49
2	260.69	26.56	-68.01	3.98	-64.03	-13	-51.03
3	306.12	30.05	-65.93	3.70	-62.23	-13	-49.23
4	409	28.61	-69.33	3.21	-66.12	-13	-53.12
5	671.79	27.18	-68.38	1.69	-66.69	-13	-53.69
6	739.63	30.24	-65.63	0.66	-64.97	-13	-51.97

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19175	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.4	32.67	-55.26	-0.84	-56.10	-13	-43.10
2	240.64	30.20	-65.10	3.83	-61.27	-13	-48.27
3	335.35	32.26	-65.62	3.67	-61.95	-13	-48.95
4	434.71	33.19	-66.02	2.78	-63.24	-13	-50.24
5	526.41	29.83	-65.24	2.86	-62.38	-13	-49.38
6	803	29.44	-69.03	1.52	-67.51	-13	-54.51
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.73	28.42	-67.73	-1.55	-69.28	-13	-56.28
2	261.45	27.21	-67.36	3.98	-63.38	-13	-50.38
3	305.97	30.00	-65.98	3.70	-62.28	-13	-49.28
4	410.16	28.90	-69.04	3.21	-65.83	-13	-52.83
5	671.89	27.18	-68.38	1.69	-66.69	-13	-53.69
6	739.34	30.72	-65.15	0.66	-64.49	-13	-51.49

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 10 MHz

Mode	TX channel 18650	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.74	32.11	-55.82	-0.84	-56.66	-13	-43.66
2	239.48	30.42	-64.88	3.83	-61.05	-13	-48.05
3	336.71	33.05	-64.83	3.67	-61.16	-13	-48.16
4	433.73	33.19	-66.02	2.78	-63.24	-13	-50.24
5	526.37	29.54	-65.53	2.86	-62.67	-13	-49.67
6	802.79	28.95	-69.52	1.52	-68.00	-13	-55.00
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.76	28.39	-67.76	-1.55	-69.31	-13	-56.31
2	260.61	29.16	-65.41	3.98	-61.43	-13	-48.43
3	305.39	28.66	-67.32	3.70	-63.62	-13	-50.62
4	408.97	28.14	-69.80	3.21	-66.59	-13	-53.59
5	672.34	28.72	-66.84	1.69	-65.15	-13	-52.15
6	739.13	30.16	-65.71	0.66	-65.05	-13	-52.05

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.85	31.55	-56.38	-0.84	-57.22	-13	-44.22
2	239.54	31.00	-64.30	3.83	-60.47	-13	-47.47
3	335.68	32.90	-64.98	3.67	-61.31	-13	-48.31
4	434.2	32.18	-67.03	2.78	-64.25	-13	-51.25
5	525.81	29.31	-65.76	2.86	-62.90	-13	-49.90
6	803.49	29.87	-68.60	1.52	-67.08	-13	-54.08
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.79	27.98	-68.17	-1.55	-69.72	-13	-56.72
2	260.8	28.08	-66.49	3.98	-62.51	-13	-49.51
3	305.15	28.52	-67.46	3.70	-63.76	-13	-50.76
4	408.61	28.12	-69.82	3.21	-66.61	-13	-53.61
5	672.04	28.60	-66.96	1.69	-65.27	-13	-52.27
6	739.54	29.96	-65.91	0.66	-65.25	-13	-52.25

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19150	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.7	32.46	-55.47	-0.84	-56.31	-13	-43.31
2	240.73	30.28	-65.02	3.83	-61.19	-13	-48.19
3	336.5	32.29	-65.59	3.67	-61.92	-13	-48.92
4	434.24	33.21	-66.00	2.78	-63.22	-13	-50.22
5	525.69	28.66	-66.41	2.86	-63.55	-13	-50.55
6	804.25	29.07	-69.40	1.52	-67.88	-13	-54.88
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.37	27.58	-68.57	-1.55	-70.12	-13	-57.12
2	261.25	28.43	-66.14	3.98	-62.16	-13	-49.16
3	305.49	27.64	-68.34	3.70	-64.64	-13	-51.64
4	408.13	26.98	-70.96	3.21	-67.75	-13	-54.75
5	673.24	28.17	-67.39	1.69	-65.70	-13	-52.70
6	738.63	29.33	-66.54	0.66	-65.88	-13	-52.88

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 15 MHz

Mode	TX channel 18675	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158	31.79	-56.14	-0.84	-56.98	-13	-43.98
2	239.87	30.99	-64.31	3.83	-60.48	-13	-47.48
3	335.29	32.55	-65.33	3.67	-61.66	-13	-48.66
4	433.75	32.69	-66.52	2.78	-63.74	-13	-50.74
5	526.46	28.77	-66.30	2.86	-63.44	-13	-50.44
6	803.43	28.93	-69.54	1.52	-68.02	-13	-55.02
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.63	27.11	-69.04	-1.55	-70.59	-13	-57.59
2	261.27	28.78	-65.79	3.98	-61.81	-13	-48.81
3	304.4	28.52	-67.46	3.70	-63.76	-13	-50.76
4	408.5	27.88	-70.06	3.21	-66.85	-13	-53.85
5	672.99	28.26	-67.30	1.69	-65.61	-13	-52.61
6	740.12	29.19	-66.68	0.66	-66.02	-13	-53.02

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.71	32.32	-55.61	-0.84	-56.45	-13	-43.45
2	240.68	31.57	-63.73	3.83	-59.90	-13	-46.90
3	335.59	31.89	-65.99	3.67	-62.32	-13	-49.32
4	434.16	33.04	-66.17	2.78	-63.39	-13	-50.39
5	526.16	28.73	-66.34	2.86	-63.48	-13	-50.48
6	803.61	28.80	-69.67	1.52	-68.15	-13	-55.15
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.96	27.35	-68.80	-1.55	-70.35	-13	-57.35
2	260.03	27.85	-66.72	3.98	-62.74	-13	-49.74
3	304.6	28.62	-67.36	3.70	-63.66	-13	-50.66
4	408.37	26.99	-70.95	3.21	-67.74	-13	-54.74
5	673.13	28.53	-67.03	1.69	-65.34	-13	-52.34
6	739.6	30.02	-65.85	0.66	-65.19	-13	-52.19

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19125	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	159.26	32.80	-55.13	-0.84	-55.97	-13	-42.97
2	240.26	31.47	-63.83	3.83	-60.00	-13	-47.00
3	335.03	32.44	-65.44	3.67	-61.77	-13	-48.77
4	434.38	32.54	-66.67	2.78	-63.89	-13	-50.89
5	526.39	29.05	-66.02	2.86	-63.16	-13	-50.16
6	803.44	28.87	-69.60	1.52	-68.08	-13	-55.08
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.06	27.53	-68.62	-1.55	-70.17	-13	-57.17
2	261.52	28.67	-65.90	3.98	-61.92	-13	-48.92
3	305.82	28.63	-67.35	3.70	-63.65	-13	-50.65
4	409.36	27.65	-70.29	3.21	-67.08	-13	-54.08
5	671.98	28.17	-67.39	1.69	-65.70	-13	-52.70
6	739.17	29.49	-66.38	0.66	-65.72	-13	-52.72

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 20 MHz

Mode	TX channel 18700	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.99	32.59	-55.34	-0.84	-56.18	-13	-43.18
2	239.52	30.47	-64.83	3.83	-61.00	-13	-48.00
3	335.16	32.48	-65.40	3.67	-61.73	-13	-48.73
4	435.23	31.99	-67.22	2.78	-64.44	-13	-51.44
5	526.52	28.76	-66.31	2.86	-63.45	-13	-50.45
6	804.44	30.19	-68.28	1.52	-66.76	-13	-53.76
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.01	26.90	-69.25	-1.55	-70.80	-13	-57.80
2	260.67	28.29	-66.28	3.98	-62.30	-13	-49.30
3	304.74	28.49	-67.49	3.70	-63.79	-13	-50.79
4	408.02	26.74	-71.20	3.21	-67.99	-13	-54.99
5	671.9	27.57	-67.99	1.69	-66.30	-13	-53.30
6	740.08	29.66	-66.21	0.66	-65.55	-13	-52.55

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.81	31.62	-56.31	-0.84	-57.15	-13	-44.15
2	241.31	30.58	-64.72	3.83	-60.89	-13	-47.89
3	335.94	32.26	-65.62	3.67	-61.95	-13	-48.95
4	435.18	32.15	-67.06	2.78	-64.28	-13	-51.28
5	527.53	28.91	-66.16	2.86	-63.30	-13	-50.30
6	802.74	29.45	-69.02	1.52	-67.50	-13	-54.50
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.48	27.36	-68.79	-1.55	-70.34	-13	-57.34
2	260.06	28.32	-66.25	3.98	-62.27	-13	-49.27
3	304.49	28.23	-67.75	3.70	-64.05	-13	-51.05
4	408.12	26.64	-71.30	3.21	-68.09	-13	-55.09
5	671.61	27.80	-67.76	1.69	-66.07	-13	-53.07
6	739.26	29.38	-66.49	0.66	-65.83	-13	-52.83

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19100	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.21	32.12	-55.81	-0.84	-56.65	-13	-43.65
2	240.88	30.64	-64.66	3.83	-60.83	-13	-47.83
3	335.05	31.91	-65.97	3.67	-62.30	-13	-49.30
4	434.1	32.71	-66.50	2.78	-63.72	-13	-50.72
5	527.1	28.59	-66.48	2.86	-63.62	-13	-50.62
6	802.55	29.89	-68.58	1.52	-67.06	-13	-54.06
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.05	27.05	-69.10	-1.55	-70.65	-13	-57.65
2	259.98	28.90	-65.67	3.98	-61.69	-13	-48.69
3	304.41	27.25	-68.73	3.70	-65.03	-13	-52.03
4	409.8	26.96	-70.98	3.21	-67.77	-13	-54.77
5	671.69	28.57	-66.99	1.69	-65.30	-13	-52.30
6	739.63	29.05	-66.82	0.66	-66.16	-13	-53.16

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 1.4 MHz

Mode	TX channel 26047	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.58	32.38	-55.55	-0.84	-56.39	-13	-43.39
2	240.98	30.89	-64.41	3.83	-60.58	-13	-47.58
3	336.33	32.57	-65.31	3.67	-61.64	-13	-48.64
4	434.65	32.10	-67.11	2.78	-64.33	-13	-51.33
5	526.82	28.76	-66.31	2.86	-63.45	-13	-50.45
6	804.12	29.25	-69.22	1.52	-67.70	-13	-54.70
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.38	29.99	-66.16	-1.55	-67.71	-13	-54.71
2	261.21	27.65	-66.92	3.98	-62.94	-13	-49.94
3	306.22	26.67	-69.31	3.70	-65.61	-13	-52.61
4	408.7	29.04	-68.90	3.21	-65.69	-13	-52.69
5	673.14	25.99	-69.57	1.69	-67.88	-13	-54.88
6	738.19	29.01	-66.86	0.66	-66.20	-13	-53.20

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.87	32.77	-55.16	-0.84	-56.00	-13	-43.00
2	239.35	30.98	-64.32	3.83	-60.49	-13	-47.49
3	335.15	32.71	-65.17	3.67	-61.50	-13	-48.50
4	434.71	32.81	-66.40	2.78	-63.62	-13	-50.62
5	525.86	28.54	-66.53	2.86	-63.67	-13	-50.67
6	803.39	28.73	-69.74	1.52	-68.22	-13	-55.22
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	129.81	29.36	-66.79	-1.55	-68.34	-13	-55.34
2	262.11	27.18	-67.39	3.98	-63.41	-13	-50.41
3	305.26	25.19	-70.79	3.70	-67.09	-13	-54.09
4	407.9	28.29	-69.65	3.21	-66.44	-13	-53.44
5	673.48	25.73	-69.83	1.69	-68.14	-13	-55.14
6	738.34	28.02	-67.85	0.66	-67.19	-13	-54.19

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26683	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.87	32.78	-55.15	-0.84	-55.99	-13	-42.99
2	239.51	30.42	-64.88	3.83	-61.05	-13	-48.05
3	336.09	31.77	-66.11	3.67	-62.44	-13	-49.44
4	434.92	33.10	-66.11	2.78	-63.33	-13	-50.33
5	525.95	28.59	-66.48	2.86	-63.62	-13	-50.62
6	803.55	29.33	-69.14	1.52	-67.62	-13	-54.62
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.63	29.53	-66.62	-1.55	-68.17	-13	-55.17
2	260.4	26.49	-68.08	3.98	-64.10	-13	-51.10
3	306.87	25.56	-70.42	3.70	-66.72	-13	-53.72
4	407.96	27.79	-70.15	3.21	-66.94	-13	-53.94
5	673.69	25.93	-69.63	1.69	-67.94	-13	-54.94
6	738.44	28.89	-66.98	0.66	-66.32	-13	-53.32

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 3 MHz

Mode	TX channel 26055	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	159.06	32.41	-55.52	-0.84	-56.36	-13	-43.36
2	239.49	30.86	-64.44	3.83	-60.61	-13	-47.61
3	336.21	32.11	-65.77	3.67	-62.10	-13	-49.10
4	433.83	31.98	-67.23	2.78	-64.45	-13	-51.45
5	526.7	29.18	-65.89	2.86	-63.03	-13	-50.03
6	802.7	29.34	-69.13	1.52	-67.61	-13	-54.61
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	129.65	29.71	-66.44	-1.55	-67.99	-13	-54.99
2	260.22	26.47	-68.10	3.98	-64.12	-13	-51.12
3	305.95	25.64	-70.34	3.70	-66.64	-13	-53.64
4	409.67	27.69	-70.25	3.21	-67.04	-13	-54.04
5	674.11	24.70	-70.86	1.69	-69.17	-13	-56.17
6	737.39	28.67	-67.20	0.66	-66.54	-13	-53.54

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	159.43	32.73	-55.20	-0.84	-56.04	-13	-43.04
2	240.58	30.53	-64.77	3.83	-60.94	-13	-47.94
3	335.31	31.76	-66.12	3.67	-62.45	-13	-49.45
4	433.54	33.30	-65.91	2.78	-63.13	-13	-50.13
5	526.17	29.33	-65.74	2.86	-62.88	-13	-49.88
6	804.15	30.06	-68.41	1.52	-66.89	-13	-53.89
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	129.53	28.57	-67.58	-1.55	-69.13	-13	-56.13
2	261.68	26.47	-68.10	3.98	-64.12	-13	-51.12
3	306.56	26.46	-69.52	3.70	-65.82	-13	-52.82
4	409.39	27.71	-70.23	3.21	-67.02	-13	-54.02
5	673.39	25.28	-70.28	1.69	-68.59	-13	-55.59
6	737.63	27.96	-67.91	0.66	-67.25	-13	-54.25

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26675	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.85	31.52	-56.41	-0.84	-57.25	-13	-44.25
2	240.33	30.41	-64.89	3.83	-61.06	-13	-48.06
3	335.85	32.93	-64.95	3.67	-61.28	-13	-48.28
4	434.06	32.86	-66.35	2.78	-63.57	-13	-50.57
5	526.71	29.09	-65.98	2.86	-63.12	-13	-50.12
6	803.98	28.71	-69.76	1.52	-68.24	-13	-55.24
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.85	31.52	-56.41	-0.84	-57.25	-13	-44.25
2	240.33	30.41	-64.89	3.83	-61.06	-13	-48.06
3	335.85	32.93	-64.95	3.67	-61.28	-13	-48.28
4	434.06	32.86	-66.35	2.78	-63.57	-13	-50.57
5	526.71	29.09	-65.98	2.86	-63.12	-13	-50.12
6	803.98	28.71	-69.76	1.52	-68.24	-13	-55.24

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 5 MHz

Mode	TX channel 26065	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.76	31.96	-55.97	-0.84	-56.81	-13	-43.81
2	240.58	30.45	-64.85	3.83	-61.02	-13	-48.02
3	336.62	32.37	-65.51	3.67	-61.84	-13	-48.84
4	433.52	32.66	-66.55	2.78	-63.77	-13	-50.77
5	527.29	29.20	-65.87	2.86	-63.01	-13	-50.01
6	803.59	29.75	-68.72	1.52	-67.20	-13	-54.20
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.01	29.43	-66.72	-1.55	-68.27	-13	-55.27
2	260.96	27.53	-67.04	3.98	-63.06	-13	-50.06
3	305.38	26.37	-69.61	3.70	-65.91	-13	-52.91
4	407.83	28.75	-69.19	3.21	-65.98	-13	-52.98
5	672.73	25.39	-70.17	1.69	-68.48	-13	-55.48
6	737.2	27.90	-67.97	0.66	-67.31	-13	-54.31

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.62	32.23	-55.70	-0.84	-56.54	-13	-43.54
2	241.21	31.57	-63.73	3.83	-59.90	-13	-46.90
3	336.38	32.80	-65.08	3.67	-61.41	-13	-48.41
4	433.9	32.22	-66.99	2.78	-64.21	-13	-51.21
5	526.05	28.80	-66.27	2.86	-63.41	-13	-50.41
6	803.24	28.89	-69.58	1.52	-68.06	-13	-55.06
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.2	29.83	-66.32	-1.55	-67.87	-13	-54.87
2	261.61	28.67	-65.90	3.98	-61.92	-13	-48.92
3	307.11	29.59	-66.39	3.70	-62.69	-13	-49.69
4	409.31	30.16	-67.78	3.21	-64.57	-13	-51.57
5	672.74	29.43	-66.13	1.69	-64.44	-13	-51.44
6	737.22	31.24	-64.63	0.66	-63.97	-13	-50.97

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26665	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.4	32.22	-55.71	-0.84	-56.55	-13	-43.55
2	240.53	30.62	-64.68	3.83	-60.85	-13	-47.85
3	335.95	32.27	-65.61	3.67	-61.94	-13	-48.94
4	435.11	32.66	-66.55	2.78	-63.77	-13	-50.77
5	525.71	29.34	-65.73	2.86	-62.87	-13	-49.87
6	803.08	29.41	-69.06	1.52	-67.54	-13	-54.54
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	132.12	28.87	-67.28	-1.55	-68.83	-13	-55.83
2	262.55	28.25	-66.32	3.98	-62.34	-13	-49.34
3	307.66	28.19	-67.79	3.70	-64.09	-13	-51.09
4	408.95	29.83	-68.11	3.21	-64.90	-13	-51.90
5	672.51	28.09	-67.47	1.69	-65.78	-13	-52.78
6	737.16	30.92	-64.95	0.66	-64.29	-13	-51.29

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 10 MHz

Mode	TX channel 26090	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.94	32.18	-55.75	-0.84	-56.59	-13	-43.59
2	239.66	30.02	-65.28	3.83	-61.45	-13	-48.45
3	335.81	31.18	-66.70	3.67	-63.03	-13	-50.03
4	435.39	32.31	-66.90	2.78	-64.12	-13	-51.12
5	525.34	28.31	-66.76	2.86	-63.90	-13	-50.90
6	803.3	29.35	-69.12	1.52	-67.60	-13	-54.60
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.69	29.64	-66.51	-1.55	-68.06	-13	-55.06
2	262.49	28.52	-66.05	3.98	-62.07	-13	-49.07
3	307.32	29.18	-66.80	3.70	-63.10	-13	-50.10
4	408.56	29.96	-67.98	3.21	-64.77	-13	-51.77
5	672.12	28.74	-66.82	1.69	-65.13	-13	-52.13
6	737.32	29.87	-66.00	0.66	-65.34	-13	-52.34

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.54	31.17	-56.76	-0.84	-57.60	-13	-44.60
2	239.62	29.33	-65.97	3.83	-62.14	-13	-49.14
3	335.86	32.14	-65.74	3.67	-62.07	-13	-49.07
4	434.7	31.96	-67.25	2.78	-64.47	-13	-51.47
5	526.7	28.51	-66.56	2.86	-63.70	-13	-50.70
6	803.79	28.83	-69.64	1.52	-68.12	-13	-55.12
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.71	29.18	-66.97	-1.55	-68.52	-13	-55.52
2	262.16	27.62	-66.95	3.98	-62.97	-13	-49.97
3	306.14	28.78	-67.20	3.70	-63.50	-13	-50.50
4	408.34	29.66	-68.28	3.21	-65.07	-13	-52.07
5	672.58	28.21	-67.35	1.69	-65.66	-13	-52.66
6	736.86	30.83	-65.04	0.66	-64.38	-13	-51.38

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26640	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.97	31.21	-56.72	-0.84	-57.56	-13	-44.56
2	239.7	29.72	-65.58	3.83	-61.75	-13	-48.75
3	335.79	32.24	-65.64	3.67	-61.97	-13	-48.97
4	435.88	32.12	-67.09	2.78	-64.31	-13	-51.31
5	525.39	28.02	-67.05	2.86	-64.19	-13	-51.19
6	803.1	29.10	-69.37	1.52	-67.85	-13	-54.85
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.34	29.36	-66.79	-1.55	-68.34	-13	-55.34
2	260.77	28.02	-66.55	3.98	-62.57	-13	-49.57
3	307.54	28.53	-67.45	3.70	-63.75	-13	-50.75
4	409.56	29.83	-68.11	3.21	-64.90	-13	-51.90
5	672.69	28.68	-66.88	1.69	-65.19	-13	-52.19
6	737.28	30.01	-65.86	0.66	-65.20	-13	-52.20

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 15 MHz

Mode	TX channel 26115	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.73	30.93	-57.00	-0.84	-57.84	-13	-44.84
2	239.63	30.33	-64.97	3.83	-61.14	-13	-48.14
3	336.39	31.49	-66.39	3.67	-62.72	-13	-49.72
4	435.39	31.66	-67.55	2.78	-64.77	-13	-51.77
5	525.66	27.92	-67.15	2.86	-64.29	-13	-51.29
6	803.34	27.92	-70.55	1.52	-69.03	-13	-56.03
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	132.16	29.40	-66.75	-1.55	-68.30	-13	-55.30
2	261.62	27.22	-67.35	3.98	-63.37	-13	-50.37
3	306.65	28.73	-67.25	3.70	-63.55	-13	-50.55
4	409.58	30.04	-67.90	3.21	-64.69	-13	-51.69
5	672.86	28.25	-67.31	1.69	-65.62	-13	-52.62
6	736.88	30.58	-65.29	0.66	-64.63	-13	-51.63

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.51	31.92	-56.01	-0.84	-56.85	-13	-43.85
2	241.26	29.93	-65.37	3.83	-61.54	-13	-48.54
3	336.24	31.28	-66.60	3.67	-62.93	-13	-49.93
4	435.81	31.72	-67.49	2.78	-64.71	-13	-51.71
5	526.6	28.69	-66.38	2.86	-63.52	-13	-50.52
6	803.54	28.60	-69.87	1.52	-68.35	-13	-55.35
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.84	28.52	-67.63	-1.55	-69.18	-13	-56.18
2	260.77	27.55	-67.02	3.98	-63.04	-13	-50.04
3	306.56	28.80	-67.18	3.70	-63.48	-13	-50.48
4	408.4	29.25	-68.69	3.21	-65.48	-13	-52.48
5	672.88	29.29	-66.27	1.69	-64.58	-13	-51.58
6	738.14	30.28	-65.59	0.66	-64.93	-13	-51.93

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26615	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.84	31.09	-56.84	-0.84	-57.68	-13	-44.68
2	240.27	29.88	-65.42	3.83	-61.59	-13	-48.59
3	336.49	31.99	-65.89	3.67	-62.22	-13	-49.22
4	435.03	31.65	-67.56	2.78	-64.78	-13	-51.78
5	525.14	28.07	-67.00	2.86	-64.14	-13	-51.14
6	803.37	29.16	-69.31	1.52	-67.79	-13	-54.79
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.37	29.48	-66.67	-1.55	-68.22	-13	-55.22
2	262	27.39	-67.18	3.98	-63.20	-13	-50.20
3	306.41	29.20	-66.78	3.70	-63.08	-13	-50.08
4	410.29	29.57	-68.37	3.21	-65.16	-13	-52.16
5	673.24	28.40	-67.16	1.69	-65.47	-13	-52.47
6	737.31	30.74	-65.13	0.66	-64.47	-13	-51.47

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 20 MHz

Mode	TX channel 26140	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.18	31.03	-56.90	-0.84	-57.74	-13	-44.74
2	240.44	29.40	-65.90	3.83	-62.07	-13	-49.07
3	335.4	30.78	-67.10	3.67	-63.43	-13	-50.43
4	434.73	32.45	-66.76	2.78	-63.98	-13	-50.98
5	525.22	28.86	-66.21	2.86	-63.35	-13	-50.35
6	802.56	28.81	-69.66	1.52	-68.14	-13	-55.14
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.69	29.03	-67.12	-1.55	-68.67	-13	-55.67
2	260.66	28.25	-66.32	3.98	-62.34	-13	-49.34
3	307.68	28.53	-67.45	3.70	-63.75	-13	-50.75
4	409.67	28.78	-69.16	3.21	-65.95	-13	-52.95
5	673.43	28.72	-66.84	1.69	-65.15	-13	-52.15
6	737.75	30.50	-65.37	0.66	-64.71	-13	-51.71

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	157.4	31.39	-56.54	-0.84	-57.38	-13	-44.38
2	240.21	29.79	-65.51	3.83	-61.68	-13	-48.68
3	336.56	31.60	-66.28	3.67	-62.61	-13	-49.61
4	435.85	31.93	-67.28	2.78	-64.50	-13	-51.50
5	525.78	28.32	-66.75	2.86	-63.89	-13	-50.89
6	803.88	29.27	-69.20	1.52	-67.68	-13	-54.68
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	131.54	28.64	-67.51	-1.55	-69.06	-13	-56.06
2	261.87	27.59	-66.98	3.98	-63.00	-13	-50.00
3	307.61	28.25	-67.73	3.70	-64.03	-13	-51.03
4	408.68	29.62	-68.32	3.21	-65.11	-13	-52.11
5	673.45	28.08	-67.48	1.69	-65.79	-13	-52.79
6	736.57	30.52	-65.35	0.66	-64.69	-13	-51.69

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26590	Frequency Range	Below 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	158.91	31.15	-56.78	-0.84	-57.62	-13	-44.62
2	239.96	30.47	-64.83	3.83	-61.00	-13	-48.00
3	335.78	31.87	-66.01	3.67	-62.34	-13	-49.34
4	435.77	32.63	-66.58	2.78	-63.80	-13	-50.80
5	526.28	29.33	-65.74	2.86	-62.88	-13	-49.88
6	803.53	28.91	-69.56	1.52	-68.04	-13	-55.04
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	130.69	29.04	-67.11	-1.55	-68.66	-13	-55.66
2	262.53	27.26	-67.31	3.98	-63.33	-13	-50.33
3	306.38	29.12	-66.86	3.70	-63.16	-13	-50.16
4	409.12	29.12	-68.82	3.21	-65.61	-13	-52.61
5	673.67	29.23	-66.33	1.69	-64.64	-13	-51.64
6	737.56	30.18	-65.69	0.66	-65.03	-13	-52.03

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

ABOVE 1GHz

WCDMA:

Mode	TX channel 9262	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3704.8	39.58	-64.37	7.71	-56.66	-13	-43.66
2	5557.2	34.11	-70.77	7.08	-63.69	-13	-50.69
3	7409.6	50.36	-52.15	4.62	-47.53	-13	-34.53
4	9262	52.81	-49.41	4.23	-45.18	-13	-32.18
5	11114.4	54.65	-46.88	3.25	-43.63	-13	-30.63
6	12966.8	47.51	-53.37	4.53	-48.84	-13	-35.84
7	14819.2	46.82	-50.53	3.70	-46.83	-13	-33.83
8	16671.6	47.01	-50.34	3.70	-46.64	-13	-33.64
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3704.8	36.31	-67.64	7.71	-59.93	-13	-46.93
2	5557.2	39.29	-65.59	7.08	-58.51	-13	-45.51
3	7409.6	47.36	-55.15	4.62	-50.53	-13	-37.53
4	9262	42.18	-60.04	4.23	-55.81	-13	-42.81
5	11114.4	41.28	-60.25	3.25	-57.00	-13	-44.00
6	12966.8	44.36	-56.52	4.53	-51.99	-13	-38.99
7	14819.2	48.29	-49.06	3.70	-45.36	-13	-32.36
8	16671.6	46.11	-51.24	3.70	-47.54	-13	-34.54

Remarks:

1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 9400	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	37.91	-66.04	7.71	-58.33	-13	-45.33
2	5640	38.11	-66.77	7.08	-59.69	-13	-46.69
3	7520	49.71	-52.80	4.62	-48.18	-13	-35.18
4	9400	49.62	-52.60	4.23	-48.37	-13	-35.37
5	11280	53.08	-48.45	3.25	-45.20	-13	-32.20
6	13160	47.49	-53.39	4.53	-48.86	-13	-35.86
7	15040	48.01	-49.34	3.70	-45.64	-13	-32.64
8	16920	49.77	-47.58	3.70	-43.88	-13	-30.88
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	35.03	-68.92	7.71	-61.21	-13	-48.21
2	5640	40.41	-64.47	7.08	-57.39	-13	-44.39
3	7520	45.15	-57.36	4.62	-52.74	-13	-39.74
4	9400	40.96	-61.26	4.23	-57.03	-13	-44.03
5	11280	38.15	-63.38	3.25	-60.13	-13	-47.13
6	13160	44.53	-56.35	4.53	-51.82	-13	-38.82
7	15040	47.32	-50.03	3.70	-46.33	-13	-33.33
8	16920	44.98	-52.37	3.70	-48.67	-13	-35.67

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 9538	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3815.2	37.07	-66.88	7.71	-59.17	-13	-46.17
2	5722.8	36.18	-68.70	7.08	-61.62	-13	-48.62
3	7630.4	50.05	-52.46	4.62	-47.84	-13	-34.84
4	9538	47.64	-54.58	4.23	-50.35	-13	-37.35
5	11445.6	56.48	-45.05	3.25	-41.80	-13	-28.80
6	13353.2	46.45	-54.43	4.53	-49.90	-13	-36.90
7	15260.8	51.24	-46.11	3.70	-42.41	-13	-29.41
8	17168.4	50.44	-46.91	3.70	-43.21	-13	-30.21
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3815.2	36.74	-67.21	7.71	-59.50	-13	-46.50
2	5722.8	39.24	-65.64	7.08	-58.56	-13	-45.56
3	7630.4	47.70	-54.81	4.62	-50.19	-13	-37.19
4	9538	43.42	-58.80	4.23	-54.57	-13	-41.57
5	11445.6	41.01	-60.52	3.25	-57.27	-13	-44.27
6	13353.2	45.34	-55.54	4.53	-51.01	-13	-38.01
7	15260.8	45.74	-51.61	3.70	-47.91	-13	-34.91
8	17168.4	46.69	-50.66	3.70	-46.96	-13	-33.96

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 1.4 MHz

Mode	TX channel 18607	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3701.4	41.54	-62.40	7.72	-54.68	-13	-41.68
2	5552.1	44.58	-60.31	7.08	-53.23	-13	-40.23
3	7402.8	47.05	-55.57	4.63	-50.94	-13	-37.94
4	9253.5	48.39	-53.86	4.23	-49.62	-13	-36.62
5	11104.2	50.85	-50.68	3.24	-47.44	-13	-34.44
6	12954.9	44.84	-56.06	4.44	-51.62	-13	-38.62
7	14805.6	47.02	-50.63	3.42	-47.21	-13	-34.21
8	16656.3	51.21	-46.14	3.70	-42.44	-13	-29.44
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3701.4	42.31	-61.63	7.72	-53.91	-13	-40.91
2	5552.1	42.82	-62.07	7.08	-54.99	-13	-41.99
3	7402.8	42.02	-60.60	4.63	-55.97	-13	-42.97
4	9253.5	44.68	-57.57	4.23	-53.33	-13	-40.33
5	11104.2	52.95	-48.58	3.24	-45.34	-13	-32.34
6	12954.9	48.98	-51.92	4.44	-47.48	-13	-34.48
7	14805.6	56.88	-40.77	3.42	-37.35	-13	-24.35
8	16656.3	56.91	-40.44	3.70	-36.74	-13	-23.74

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	41.02	-63.13	7.68	-55.45	-13	-42.45
2	5640	46.37	-58.37	7.02	-51.35	-13	-38.35
3	7520	46.65	-55.97	4.53	-51.44	-13	-38.44
4	9400	48.04	-53.59	4.22	-49.37	-13	-36.37
5	11280	49.83	-51.66	3.48	-48.18	-13	-35.18
6	13160	45.60	-54.98	4.48	-50.50	-13	-37.50
7	15040	48.49	-48.86	3.70	-45.16	-13	-32.16
8	16920	52.02	-45.33	3.70	-41.63	-13	-28.63
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	41.69	-62.46	7.68	-54.78	-13	-41.78
2	5640	42.15	-62.59	7.02	-55.57	-13	-42.57
3	7520	41.06	-61.56	4.53	-57.03	-13	-44.03
4	9400	45.94	-55.69	4.22	-51.47	-13	-38.47
5	11280	53.50	-47.99	3.48	-44.51	-13	-31.51
6	13160	48.33	-52.25	4.48	-47.77	-13	-34.77
7	15040	55.00	-42.35	3.70	-38.65	-13	-25.65
8	16920	55.50	-41.85	3.70	-38.15	-13	-25.15

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19193	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3818.6	41.72	-62.43	7.68	-54.75	-13	-41.75
2	5727.9	45.52	-59.22	7.02	-52.20	-13	-39.20
3	7637.2	47.80	-54.82	4.53	-50.29	-13	-37.29
4	9546.5	48.47	-53.14	4.18	-48.97	-13	-35.97
5	11455.8	49.33	-52.16	3.48	-48.68	-13	-35.68
6	13365.1	45.39	-55.19	4.48	-50.71	-13	-37.71
7	15274.4	47.80	-49.55	3.70	-45.85	-13	-32.85
8	17183.7	51.01	-46.34	3.70	-42.64	-13	-29.64
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3818.6	41.42	-62.73	7.68	-55.05	-13	-42.05
2	5727.9	43.51	-61.23	7.02	-54.21	-13	-41.21
3	7637.2	43.34	-59.28	4.53	-54.75	-13	-41.75
4	9546.5	45.70	-55.91	4.18	-51.74	-13	-38.74
5	11455.8	53.06	-48.43	3.48	-44.95	-13	-31.95
6	13365.1	48.83	-51.75	4.48	-47.27	-13	-34.27
7	15274.4	54.61	-42.74	3.70	-39.04	-13	-26.04
8	17183.7	55.20	-42.15	3.70	-38.45	-13	-25.45

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 3 MHz

Mode	TX channel 18615	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3703	42.94	-61.00	7.72	-53.29	-13	-40.29
2	5554.5	45.99	-58.90	7.08	-51.82	-13	-38.82
3	7406	48.93	-53.58	4.63	-48.95	-13	-35.95
4	9257.5	48.18	-53.47	4.26	-49.21	-13	-36.21
5	11109	50.54	-50.99	3.24	-47.74	-13	-34.74
6	12960.5	43.85	-57.04	4.44	-52.60	-13	-39.60
7	14812	48.39	-48.96	3.70	-45.26	-13	-32.26
8	16663.5	50.92	-46.43	3.70	-42.73	-13	-29.73
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3703	42.98	-60.96	7.72	-53.25	-13	-40.25
2	5554.5	44.14	-60.75	7.08	-53.67	-13	-40.67
3	7406	42.63	-59.88	4.63	-55.25	-13	-42.25
4	9257.5	45.27	-56.38	4.26	-52.12	-13	-39.12
5	11109	52.64	-48.89	3.24	-45.64	-13	-32.64
6	12960.5	49.37	-51.52	4.44	-47.08	-13	-34.08
7	14812	55.20	-42.15	3.70	-38.45	-13	-25.45
8	16663.5	56.81	-40.54	3.70	-36.84	-13	-23.84

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	42.03	-63.24	7.63	-55.62	-13	-42.62
2	5640	46.41	-58.33	7.02	-51.31	-13	-38.31
3	7520	47.47	-55.15	4.53	-50.62	-13	-37.62
4	9400	49.39	-52.24	4.22	-48.02	-13	-35.02
5	11280	49.97	-51.52	3.48	-48.04	-13	-35.04
6	13160	46.14	-54.47	4.06	-50.40	-13	-37.40
7	15040	47.82	-49.53	3.70	-45.83	-13	-32.83
8	16920	51.40	-45.95	3.70	-42.25	-13	-29.25
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	41.25	-64.02	7.63	-56.40	-13	-43.40
2	5640	42.88	-61.86	7.02	-54.84	-13	-41.84
3	7520	41.55	-61.07	4.53	-56.54	-13	-43.54
4	9400	45.39	-56.24	4.22	-52.02	-13	-39.02
5	11280	54.27	-47.22	3.48	-43.74	-13	-30.74
6	13160	48.00	-52.61	4.06	-48.54	-13	-35.54
7	15040	56.03	-41.32	3.70	-37.62	-13	-24.62
8	16920	56.17	-41.18	3.70	-37.48	-13	-24.48

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19185	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3817	41.42	-62.94	7.64	-55.30	-13	-42.30
2	5725.5	47.42	-57.18	6.96	-50.22	-13	-37.22
3	7634	48.19	-54.43	4.43	-50.00	-13	-37.00
4	9542.5	47.28	-54.33	4.18	-50.16	-13	-37.16
5	11451	48.53	-52.92	3.73	-49.19	-13	-36.19
6	13359.5	44.93	-55.39	3.57	-51.82	-13	-38.82
7	15268	46.89	-50.46	3.70	-46.76	-13	-33.76
8	17176.5	51.83	-45.52	3.70	-41.82	-13	-28.82
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3817	43.24	-61.12	7.64	-53.48	-13	-40.48
2	5725.5	41.86	-62.74	6.96	-55.78	-13	-42.78
3	7634	40.83	-61.79	4.43	-57.36	-13	-44.36
4	9542.5	44.55	-57.06	4.18	-52.89	-13	-39.89
5	11451	52.60	-48.85	3.73	-45.12	-13	-32.12
6	13359.5	48.84	-51.48	3.57	-47.91	-13	-34.91
7	15268	55.97	-41.38	3.70	-37.68	-13	-24.68
8	17176.5	55.64	-41.71	3.70	-38.01	-13	-25.01

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 5 MHz

Mode	TX channel 18625	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3705	43.14	-60.81	7.71	-53.10	-13	-40.10
2	5557.5	47.73	-57.15	7.08	-50.07	-13	-37.07
3	7410	47.72	-54.90	4.62	-50.28	-13	-37.28
4	9262.5	48.86	-53.36	4.23	-49.13	-13	-36.13
5	11115	51.27	-50.26	3.25	-47.01	-13	-34.01
6	12967.5	44.98	-55.90	4.52	-51.37	-13	-38.37
7	14820	47.19	-50.16	3.70	-46.46	-13	-33.46
8	16672.5	53.54	-43.81	3.70	-40.11	-13	-27.11
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3705	41.04	-62.91	7.71	-55.20	-13	-42.20
2	5557.5	41.98	-62.90	7.08	-55.82	-13	-42.82
3	7410	42.19	-60.43	4.62	-55.81	-13	-42.81
4	9262.5	43.57	-58.65	4.23	-54.42	-13	-41.42
5	11115	53.29	-48.24	3.25	-44.99	-13	-31.99
6	12967.5	49.07	-51.81	4.52	-47.28	-13	-34.28
7	14820	55.81	-41.54	3.70	-37.84	-13	-24.84
8	16672.5	56.38	-40.97	3.70	-37.27	-13	-24.27

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	41.37	-63.90	7.63	-56.28	-13	-43.28
2	5640	47.00	-57.74	7.02	-50.72	-13	-37.72
3	7520	49.62	-53.00	4.53	-48.47	-13	-35.47
4	9400	46.90	-54.73	4.22	-50.51	-13	-37.51
5	11280	49.82	-51.67	3.48	-48.19	-13	-35.19
6	13160	44.64	-55.97	4.06	-51.90	-13	-38.90
7	15040	48.15	-49.20	3.70	-45.50	-13	-32.50
8	16920	51.41	-45.94	3.70	-42.24	-13	-29.24
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	41.08	-64.19	7.63	-56.57	-13	-43.57
2	5640	43.71	-61.03	7.02	-54.01	-13	-41.01
3	7520	40.62	-62.00	4.53	-57.47	-13	-44.47
4	9400	44.93	-56.70	4.22	-52.48	-13	-39.48
5	11280	53.34	-48.15	3.48	-44.67	-13	-31.67
6	13160	49.04	-51.57	4.06	-47.50	-13	-34.50
7	15040	56.92	-40.43	3.70	-36.73	-13	-23.73
8	16920	56.13	-41.22	3.70	-37.52	-13	-24.52

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19175	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3815	40.94	-64.28	7.60	-56.68	-13	-43.68
2	5722.5	47.61	-56.53	7.24	-49.29	-13	-36.29
3	7630	48.69	-53.93	4.43	-49.50	-13	-36.50
4	9537.5	47.70	-53.92	4.18	-49.74	-13	-36.74
5	11445	50.36	-51.10	3.71	-47.39	-13	-34.39
6	13352.5	43.89	-56.43	3.57	-52.86	-13	-39.86
7	15260	47.23	-50.12	3.70	-46.42	-13	-33.42
8	17167.5	52.52	-44.83	3.70	-41.13	-13	-28.13
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3815	42.08	-63.14	7.60	-55.54	-13	-42.54
2	5722.5	42.18	-61.96	7.24	-54.72	-13	-41.72
3	7630	41.33	-61.29	4.43	-56.86	-13	-43.86
4	9537.5	44.85	-56.77	4.18	-52.59	-13	-39.59
5	11445	53.39	-48.07	3.71	-44.36	-13	-31.36
6	13352.5	46.81	-53.51	3.57	-49.94	-13	-36.94
7	15260	54.84	-42.51	3.70	-38.81	-13	-25.81
8	17167.5	57.93	-39.42	3.70	-35.72	-13	-22.72

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 10 MHz

Mode	TX channel 18650	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3710	42.68	-61.29	7.71	-53.58	-13	-40.58
2	5565	47.30	-57.57	7.07	-50.50	-13	-37.50
3	7420	46.68	-55.94	4.61	-51.33	-13	-38.33
4	9275	49.09	-53.10	4.23	-48.87	-13	-35.87
5	11130	50.35	-51.17	3.27	-47.90	-13	-34.90
6	12985	45.97	-54.88	4.48	-50.40	-13	-37.40
7	14840	45.93	-51.42	3.70	-47.72	-13	-34.72
8	16695	52.61	-44.74	3.70	-41.04	-13	-28.04
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3710	41.67	-62.30	7.71	-54.59	-13	-41.59
2	5565	44.10	-60.77	7.07	-53.70	-13	-40.70
3	7420	41.37	-61.25	4.61	-56.64	-13	-43.64
4	9275	44.60	-57.59	4.23	-53.36	-13	-40.36
5	11130	52.13	-49.39	3.27	-46.12	-13	-33.12
6	12985	48.88	-51.97	4.48	-47.49	-13	-34.49
7	14840	57.16	-40.19	3.70	-36.49	-13	-23.49
8	16695	57.80	-39.55	3.70	-35.85	-13	-22.85

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	43.29	-61.98	7.63	-54.36	-13	-41.36
2	5640	45.87	-58.87	7.02	-51.85	-13	-38.85
3	7520	48.31	-54.31	4.53	-49.78	-13	-36.78
4	9400	47.96	-53.67	4.22	-49.45	-13	-36.45
5	11280	49.73	-51.76	3.48	-48.28	-13	-35.28
6	13160	46.31	-54.30	4.06	-50.23	-13	-37.23
7	15040	46.50	-50.85	3.70	-47.15	-13	-34.15
8	16920	51.85	-45.50	3.70	-41.80	-13	-28.80
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	41.09	-64.18	7.63	-56.56	-13	-43.56
2	5640	42.59	-62.15	7.02	-55.13	-13	-42.13
3	7520	40.54	-62.08	4.53	-57.55	-13	-44.55
4	9400	44.99	-56.64	4.22	-52.42	-13	-39.42
5	11280	54.19	-47.30	3.48	-43.82	-13	-30.82
6	13160	47.39	-53.22	4.06	-49.15	-13	-36.15
7	15040	54.93	-42.42	3.70	-38.72	-13	-25.72
8	16920	56.62	-40.73	3.70	-37.03	-13	-24.03

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19150	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3810	42.56	-62.66	7.60	-55.06	-13	-42.06
2	5715	45.41	-58.73	7.23	-51.50	-13	-38.50
3	7620	49.25	-53.37	4.43	-48.94	-13	-35.94
4	9525	48.94	-52.67	4.17	-48.50	-13	-35.50
5	11430	49.98	-51.48	3.73	-47.74	-13	-34.74
6	13335	45.22	-55.14	3.65	-51.50	-13	-38.50
7	15240	48.33	-49.02	3.70	-45.32	-13	-32.32
8	17145	50.93	-46.42	3.70	-42.72	-13	-29.72
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3810	43.41	-61.81	7.60	-54.21	-13	-41.21
2	5715	43.59	-60.55	7.23	-53.32	-13	-40.32
3	7620	41.96	-60.66	4.43	-56.23	-13	-43.23
4	9525	44.42	-57.19	4.17	-53.02	-13	-40.02
5	11430	52.54	-48.92	3.73	-45.18	-13	-32.18
6	13335	48.84	-51.52	3.65	-47.88	-13	-34.88
7	15240	56.28	-41.07	3.70	-37.37	-13	-24.37
8	17145	55.90	-41.45	3.70	-37.75	-13	-24.75

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 15 MHz

Mode	TX channel 18675	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3715	41.91	-63.41	7.65	-55.77	-13	-42.77
2	5572.5	45.72	-59.14	7.07	-52.07	-13	-39.07
3	7430	46.83	-55.79	4.61	-51.18	-13	-38.18
4	9287.5	46.28	-55.88	4.23	-51.65	-13	-38.65
5	11145	49.75	-51.77	3.29	-48.48	-13	-35.48
6	13002.5	44.54	-56.29	4.44	-51.85	-13	-38.85
7	14860	46.68	-50.89	3.50	-47.39	-13	-34.39
8	16717.5	52.58	-44.77	3.70	-41.07	-13	-28.07
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3715	42.28	-63.04	7.65	-55.40	-13	-42.40
2	5572.5	42.79	-62.07	7.07	-55.00	-13	-42.00
3	7430	42.38	-60.24	4.61	-55.63	-13	-42.63
4	9287.5	45.46	-56.70	4.23	-52.47	-13	-39.47
5	11145	52.36	-49.16	3.29	-45.87	-13	-32.87
6	13002.5	50.04	-50.79	4.44	-46.35	-13	-33.35
7	14860	55.55	-42.02	3.50	-38.52	-13	-25.52
8	16717.5	55.29	-42.06	3.70	-38.36	-13	-25.36

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	42.06	-63.21	7.63	-55.59	-13	-42.59
2	5640	47.86	-56.88	7.02	-49.86	-13	-36.86
3	7520	48.34	-54.28	4.53	-49.75	-13	-36.75
4	9400	47.15	-54.48	4.22	-50.26	-13	-37.26
5	11280	50.67	-50.82	3.48	-47.34	-13	-34.34
6	13160	46.11	-54.50	4.06	-50.43	-13	-37.43
7	15040	48.91	-48.44	3.70	-44.74	-13	-31.74
8	16920	52.34	-45.01	3.70	-41.31	-13	-28.31
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	42.23	-63.04	7.63	-55.42	-13	-42.42
2	5640	41.68	-63.06	7.02	-56.04	-13	-43.04
3	7520	41.91	-60.71	4.53	-56.18	-13	-43.18
4	9400	44.21	-57.42	4.22	-53.20	-13	-40.20
5	11280	54.85	-46.64	3.48	-43.16	-13	-30.16
6	13160	48.41	-52.20	4.06	-48.13	-13	-35.13
7	15040	56.36	-40.99	3.70	-37.29	-13	-24.29
8	16920	56.44	-40.91	3.70	-37.21	-13	-24.21

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19125	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3805	42.74	-62.49	7.61	-54.88	-13	-41.88
2	5707.5	47.25	-57.38	6.97	-50.41	-13	-37.41
3	7610	47.85	-54.77	4.43	-50.34	-13	-37.34
4	9512.5	48.21	-53.41	4.19	-49.22	-13	-36.22
5	11415	51.06	-50.41	3.67	-46.74	-13	-33.74
6	13317.5	43.40	-56.97	3.65	-53.32	-13	-40.32
7	15220	47.59	-49.76	3.70	-46.06	-13	-33.06
8	17122.5	52.37	-44.98	3.70	-41.28	-13	-28.28
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3805	43.07	-62.16	7.61	-54.55	-13	-41.55
2	5707.5	42.47	-62.16	6.97	-55.19	-13	-42.19
3	7610	42.12	-60.50	4.43	-56.07	-13	-43.07
4	9512.5	43.14	-58.48	4.19	-54.29	-13	-41.29
5	11415	53.24	-48.23	3.67	-44.56	-13	-31.56
6	13317.5	48.66	-51.71	3.65	-48.06	-13	-35.06
7	15220	55.11	-42.24	3.70	-38.54	-13	-25.54
8	17122.5	56.64	-40.71	3.70	-37.01	-13	-24.01

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 2: 20 MHz

Mode	TX channel 18700	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3720	42.11	-61.90	7.70	-54.19	-13	-41.19
2	5580	46.44	-58.41	7.06	-51.34	-13	-38.34
3	7440	46.51	-56.04	4.60	-51.44	-13	-38.44
4	9300	47.86	-54.27	4.23	-50.04	-13	-37.04
5	11160	50.72	-50.80	3.31	-47.48	-13	-34.48
6	13020	44.85	-55.95	4.40	-51.55	-13	-38.55
7	14880	48.43	-48.92	3.70	-45.22	-13	-32.22
8	16740	51.43	-45.92	3.70	-42.22	-13	-29.22
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3720	41.76	-62.25	7.70	-54.54	-13	-41.54
2	5580	41.52	-63.33	7.06	-56.26	-13	-43.26
3	7440	41.39	-61.16	4.60	-56.56	-13	-43.56
4	9300	45.12	-57.01	4.23	-52.78	-13	-39.78
5	11160	53.01	-48.51	3.31	-45.19	-13	-32.19
6	13020	48.38	-52.42	4.40	-48.02	-13	-35.02
7	14880	54.88	-42.47	3.70	-38.77	-13	-25.77
8	16740	56.63	-40.72	3.70	-37.02	-13	-24.02

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 18900	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	42.45	-62.82	7.63	-55.20	-13	-42.20
2	5640	45.62	-59.12	7.02	-52.10	-13	-39.10
3	7520	47.33	-55.29	4.53	-50.76	-13	-37.76
4	9400	48.09	-53.54	4.22	-49.32	-13	-36.32
5	11280	48.85	-52.67	3.29	-49.38	-13	-36.38
6	13160	45.14	-56.35	3.48	-52.87	-13	-39.87
7	15040	47.11	-50.24	3.70	-46.54	-13	-33.54
8	16920	51.57	-45.78	3.70	-42.08	-13	-29.08
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3760	43.62	-61.65	7.63	-54.03	-13	-41.03
2	5640	42.02	-62.72	7.02	-55.70	-13	-42.70
3	7520	42.83	-59.79	4.53	-55.26	-13	-42.26
4	9400	45.22	-56.41	4.22	-52.19	-13	-39.19
5	11280	53.56	-47.96	3.29	-44.67	-13	-31.67
6	13160	48.41	-53.08	3.48	-49.60	-13	-36.60
7	15040	55.45	-41.90	3.70	-38.20	-13	-25.20
8	16920	55.64	-41.71	3.70	-38.01	-13	-25.01

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 19100	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3800	41.30	-63.92	7.60	-56.32	-13	-43.32
2	5700	47.83	-56.31	7.25	-49.06	-13	-36.06
3	7600	48.63	-53.99	4.44	-49.55	-13	-36.55
4	9500	47.95	-53.67	4.18	-49.49	-13	-36.49
5	11400	49.40	-52.06	3.69	-48.37	-13	-35.37
6	13300	44.86	-55.50	3.65	-51.86	-13	-38.86
7	15200	46.28	-51.07	3.70	-47.37	-13	-34.37
8	17100	52.72	-44.63	3.70	-40.93	-13	-27.93
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3800	41.45	-63.77	7.60	-56.17	-13	-43.17
2	5700	42.62	-61.52	7.25	-54.27	-13	-41.27
3	7600	41.28	-61.34	4.44	-56.90	-13	-43.90
4	9500	43.40	-58.22	4.18	-54.04	-13	-41.04
5	11400	52.82	-48.64	3.69	-44.95	-13	-31.95
6	13300	50.14	-50.22	3.65	-46.58	-13	-33.58
7	15200	56.64	-40.71	3.70	-37.01	-13	-24.01
8	17100	56.84	-40.51	3.70	-36.81	-13	-23.81

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 1.4 MHz

Mode	TX channel 26047	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3701.4	41.72	-62.22	7.72	-54.50	-13	-41.50
2	5552.1	45.57	-59.32	7.08	-52.24	-13	-39.24
3	7402.8	47.97	-54.65	4.63	-50.02	-13	-37.02
4	9253.5	48.96	-53.29	4.23	-49.05	-13	-36.05
5	11104.2	50.12	-51.41	3.24	-48.17	-13	-35.17
6	12954.9	45.25	-55.65	4.44	-51.21	-13	-38.21
7	14805.6	47.09	-50.56	3.42	-47.14	-13	-34.14
8	16656.3	52.52	-44.83	3.70	-41.13	-13	-28.13
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3701.4	42.31	-61.63	7.72	-53.91	-13	-40.91
2	5552.1	42.82	-62.07	7.08	-54.99	-13	-41.99
3	7402.8	42.02	-60.60	4.63	-55.97	-13	-42.97
4	9253.5	44.68	-57.57	4.23	-53.33	-13	-40.33
5	11104.2	52.95	-48.58	3.24	-45.34	-13	-32.34
6	12954.9	48.98	-51.92	4.44	-47.48	-13	-34.48
7	14805.6	56.88	-40.77	3.42	-37.35	-13	-24.35
8	16656.3	56.91	-40.44	3.70	-36.74	-13	-23.74

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	41.84	-62.33	7.68	-54.65	-13	-41.65
2	5647.5	45.49	-59.24	7.02	-52.23	-13	-39.23
3	7530	47.32	-55.30	4.52	-50.78	-13	-37.78
4	9412.5	48.29	-53.34	4.22	-49.12	-13	-36.12
5	11295	50.61	-50.88	3.50	-47.38	-13	-34.38
6	13177.5	45.46	-55.10	4.48	-50.61	-13	-37.61
7	15060	48.40	-48.95	3.70	-45.25	-13	-32.25
8	16942.5	51.56	-45.79	3.70	-42.09	-13	-29.09
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	42.18	-61.99	7.68	-54.31	-13	-41.31
2	5647.5	42.38	-62.35	7.02	-55.34	-13	-42.34
3	7530	41.34	-61.28	4.52	-56.76	-13	-43.76
4	9412.5	45.23	-56.40	4.22	-52.18	-13	-39.18
5	11295	54.06	-47.43	3.50	-43.93	-13	-30.93
6	13177.5	49.22	-51.34	4.48	-46.85	-13	-33.85
7	15060	55.11	-42.24	3.70	-38.54	-13	-25.54
8	16942.5	56.38	-40.97	3.70	-37.27	-13	-24.27

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26683	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3828.6	42.55	-61.60	7.68	-53.92	-13	-40.92
2	5742.9	46.20	-58.54	7.02	-51.52	-13	-38.52
3	7657.2	47.20	-55.42	4.53	-50.89	-13	-37.89
4	9571.5	47.82	-53.79	4.18	-49.62	-13	-36.62
5	11485.8	49.02	-52.47	3.48	-48.99	-13	-35.99
6	13400.1	45.89	-54.69	4.48	-50.21	-13	-37.21
7	15314.4	47.29	-50.06	3.70	-46.36	-13	-33.36
8	17228.7	51.11	-46.24	3.70	-42.54	-13	-29.54
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3828.6	41.68	-62.47	7.68	-54.79	-13	-41.79
2	5742.9	43.09	-61.65	7.02	-54.63	-13	-41.63
3	7657.2	42.37	-60.25	4.53	-55.72	-13	-42.72
4	9571.5	45.52	-56.09	4.18	-51.92	-13	-38.92
5	11485.8	53.59	-47.90	3.48	-44.42	-13	-31.42
6	13400.1	49.06	-51.52	4.48	-47.04	-13	-34.04
7	15314.4	55.06	-42.29	3.70	-38.59	-13	-25.59
8	17228.7	56.18	-41.17	3.70	-37.47	-13	-24.47

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 3 MHz

Mode	TX channel 26055	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3703	42.82	-61.12	7.72	-53.41	-13	-40.41
2	5554.5	46.01	-58.88	7.08	-51.80	-13	-38.80
3	7406	48.90	-53.61	4.63	-48.98	-13	-35.98
4	9257.5	48.43	-53.22	4.26	-48.96	-13	-35.96
5	11109	49.64	-51.89	3.24	-48.64	-13	-35.64
6	12960.5	44.30	-56.59	4.44	-52.15	-13	-39.15
7	14812	48.32	-49.03	3.70	-45.33	-13	-32.33
8	16663.5	51.11	-46.24	3.70	-42.54	-13	-29.54
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3703	42.13	-61.81	7.72	-54.10	-13	-41.10
2	5554.5	43.44	-61.45	7.08	-54.37	-13	-41.37
3	7406	42.18	-60.33	4.63	-55.70	-13	-42.70
4	9257.5	44.48	-57.17	4.26	-52.91	-13	-39.91
5	11109	52.59	-48.94	3.24	-45.69	-13	-32.69
6	12960.5	49.07	-51.82	4.44	-47.38	-13	-34.38
7	14812	56.09	-41.26	3.70	-37.56	-13	-24.56
8	16663.5	56.94	-40.41	3.70	-36.71	-13	-23.71

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	42.40	-62.87	7.63	-55.25	-13	-42.25
2	5647.5	46.08	-58.65	7.02	-51.64	-13	-38.64
3	7530	47.60	-55.02	4.52	-50.50	-13	-37.50
4	9412.5	48.89	-52.74	4.22	-48.52	-13	-35.52
5	11295	49.57	-51.92	3.50	-48.42	-13	-35.42
6	13177.5	46.09	-54.52	4.06	-50.45	-13	-37.45
7	15060	48.13	-49.22	3.70	-45.52	-13	-32.52
8	16942.5	52.01	-45.34	3.70	-41.64	-13	-28.64
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	41.41	-63.86	7.63	-56.24	-13	-43.24
2	5647.5	43.48	-61.26	7.02	-54.24	-13	-41.24
3	7530	41.70	-60.92	4.53	-56.39	-13	-43.39
4	9412.5	44.67	-56.96	4.22	-52.74	-13	-39.74
5	11295	54.52	-46.97	3.48	-43.49	-13	-30.49
6	13177.5	48.73	-51.88	4.06	-47.81	-13	-34.81
7	15060	55.12	-42.23	3.70	-38.53	-13	-25.53
8	16942.5	55.72	-41.63	3.70	-37.93	-13	-24.93

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26675	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3827	41.80	-62.60	7.63	-54.96	-13	-41.96
2	5740.5	46.81	-57.77	6.95	-50.81	-13	-37.81
3	7654	48.61	-54.01	4.43	-49.58	-13	-36.58
4	9567.5	47.35	-54.26	4.18	-50.09	-13	-37.09
5	11481	49.39	-52.06	3.73	-48.33	-13	-35.33
6	13394.5	45.83	-54.49	3.57	-50.92	-13	-37.92
7	15308	46.85	-50.50	3.70	-46.80	-13	-33.80
8	17221.5	51.61	-45.74	3.70	-42.04	-13	-29.04
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3827	42.40	-61.96	7.64	-54.32	-13	-41.32
2	5740.5	42.76	-61.84	6.96	-54.88	-13	-41.88
3	7654	41.81	-60.81	4.43	-56.38	-13	-43.38
4	9567.5	43.84	-57.77	4.18	-53.60	-13	-40.60
5	11481	53.24	-48.21	3.73	-44.48	-13	-31.48
6	13394.5	49.35	-50.97	3.57	-47.40	-13	-34.40
7	15308	55.36	-41.99	3.70	-38.29	-13	-25.29
8	17221.5	55.69	-41.66	3.70	-37.96	-13	-24.96

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 5 MHz

Mode	TX channel 26065	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3705	42.21	-61.74	7.71	-54.03	-13	-41.03
2	5557.5	47.08	-57.80	7.08	-50.72	-13	-37.72
3	7410	47.39	-55.23	4.62	-50.61	-13	-37.61
4	9262.5	48.47	-53.75	4.23	-49.52	-13	-36.52
5	11115	50.72	-50.81	3.25	-47.56	-13	-34.56
6	12967.5	45.62	-55.26	4.52	-50.73	-13	-37.73
7	14820	47.54	-49.81	3.70	-46.11	-13	-33.11
8	16672.5	52.67	-44.68	3.70	-40.98	-13	-27.98
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3705	41.42	-62.53	7.71	-54.82	-13	-41.82
2	5557.5	42.75	-62.13	7.08	-55.05	-13	-42.05
3	7410	41.33	-61.29	4.62	-56.67	-13	-43.67
4	9262.5	44.20	-58.02	4.23	-53.79	-13	-40.79
5	11115	54.08	-47.45	3.25	-44.20	-13	-31.20
6	12967.5	48.16	-52.72	4.52	-48.19	-13	-35.19
7	14820	56.26	-41.09	3.70	-37.39	-13	-24.39
8	16672.5	55.83	-41.52	3.70	-37.82	-13	-24.82

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	41.80	-63.47	7.63	-55.85	-13	-42.85
2	5647.5	46.03	-58.71	7.02	-51.69	-13	-38.69
3	7530	48.83	-53.79	4.53	-49.26	-13	-36.26
4	9412.5	47.37	-54.26	4.22	-50.04	-13	-37.04
5	11295	49.58	-51.91	3.48	-48.43	-13	-35.43
6	13177.5	44.27	-56.34	4.06	-52.27	-13	-39.27
7	15060	47.17	-50.18	3.70	-46.48	-13	-33.48
8	16942.5	51.15	-46.20	3.70	-42.50	-13	-29.50
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	41.94	-63.33	7.63	-55.71	-13	-42.71
2	5647.5	43.15	-61.59	7.02	-54.57	-13	-41.57
3	7530	41.37	-61.25	4.53	-56.72	-13	-43.72
4	9412.5	44.30	-57.33	4.22	-53.11	-13	-40.11
5	11295	54.25	-47.24	3.48	-43.76	-13	-30.76
6	13177.5	48.61	-52.00	4.06	-47.93	-13	-34.93
7	15060	56.47	-40.88	3.70	-37.18	-13	-24.18
8	16942.5	56.54	-40.81	3.70	-37.11	-13	-24.11

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26665	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3825	41.40	-63.82	7.60	-56.22	-13	-43.22
2	5737.5	47.07	-57.07	7.24	-49.83	-13	-36.83
3	7650	48.32	-54.30	4.43	-49.87	-13	-36.87
4	9562.5	47.98	-53.64	4.18	-49.46	-13	-36.46
5	11475	50.91	-50.55	3.71	-46.84	-13	-33.84
6	13387.5	44.29	-56.03	3.57	-52.46	-13	-39.46
7	15300	47.89	-49.46	3.70	-45.76	-13	-32.76
8	17212.5	51.84	-45.51	3.70	-41.81	-13	-28.81
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3825	41.25	-63.97	7.60	-56.37	-13	-43.37
2	5737.5	41.85	-62.29	7.24	-55.05	-13	-42.05
3	7650	41.35	-61.27	4.43	-56.84	-13	-43.84
4	9562.5	45.19	-56.43	4.18	-52.25	-13	-39.25
5	11475	53.17	-48.29	3.71	-44.58	-13	-31.58
6	13387.5	47.79	-52.53	3.57	-48.96	-13	-35.96
7	15300	55.01	-42.34	3.70	-38.64	-13	-25.64
8	17212.5	57.23	-40.12	3.70	-36.42	-13	-23.42

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 10 MHz

Mode	TX channel 26090	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3710	42.06	-61.91	7.71	-54.20	-13	-41.20
2	5565	46.65	-58.22	7.07	-51.15	-13	-38.15
3	7420	47.51	-55.11	4.61	-50.50	-13	-37.50
4	9275	48.57	-53.62	4.23	-49.39	-13	-36.39
5	11130	50.82	-50.70	3.27	-47.43	-13	-34.43
6	12985	45.95	-54.90	4.48	-50.42	-13	-37.42
7	14840	46.57	-50.78	3.70	-47.08	-13	-34.08
8	16695	52.40	-44.95	3.70	-41.25	-13	-28.25
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3710	41.33	-62.64	7.71	-54.93	-13	-41.93
2	5565	43.27	-61.60	7.07	-54.53	-13	-41.53
3	7420	41.29	-61.33	4.61	-56.72	-13	-43.72
4	9275	44.67	-57.52	4.23	-53.29	-13	-40.29
5	11130	53.01	-48.51	3.27	-45.24	-13	-32.24
6	12985	48.01	-52.84	4.48	-48.36	-13	-35.36
7	14840	56.29	-41.06	3.70	-37.36	-13	-24.36
8	16695	57.06	-40.29	3.70	-36.59	-13	-23.59

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	42.47	-62.80	7.63	-55.18	-13	-42.18
2	5647.5	46.25	-58.49	7.02	-51.47	-13	-38.47
3	7530	48.79	-53.83	4.53	-49.30	-13	-36.30
4	9412.5	47.66	-53.97	4.22	-49.75	-13	-36.75
5	11295	49.72	-51.77	3.48	-48.29	-13	-35.29
6	13177.5	45.43	-55.18	4.06	-51.11	-13	-38.11
7	15060	46.63	-50.72	3.70	-47.02	-13	-34.02
8	16942.5	51.84	-45.51	3.70	-41.81	-13	-28.81
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	41.38	-63.89	7.63	-56.27	-13	-43.27
2	5647.5	41.79	-62.95	7.02	-55.93	-13	-42.93
3	7530	41.44	-61.18	4.53	-56.65	-13	-43.65
4	9412.5	45.46	-56.17	4.22	-51.95	-13	-38.95
5	11295	54.48	-47.01	3.48	-43.53	-13	-30.53
6	13177.5	47.81	-52.80	4.06	-48.73	-13	-35.73
7	15060	55.56	-41.79	3.70	-38.09	-13	-25.09
8	16942.5	56.82	-40.53	3.70	-36.83	-13	-23.83

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26640	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3820	42.75	-62.47	7.60	-54.87	-13	-41.87
2	5730	46.00	-58.14	7.23	-50.91	-13	-37.91
3	7640	48.84	-53.78	4.43	-49.35	-13	-36.35
4	9550	48.06	-53.55	4.17	-49.38	-13	-36.38
5	11460	49.99	-51.47	3.73	-47.73	-13	-34.73
6	13370	44.88	-55.48	3.65	-51.84	-13	-38.84
7	15280	48.47	-48.88	3.70	-45.18	-13	-32.18
8	17190	51.36	-45.99	3.70	-42.29	-13	-29.29
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3820	42.82	-62.40	7.60	-54.80	-13	-41.80
2	5730	43.07	-61.07	7.23	-53.84	-13	-40.84
3	7640	42.21	-60.41	4.43	-55.98	-13	-42.98
4	9550	44.84	-56.77	4.17	-52.60	-13	-39.60
5	11460	53.28	-48.18	3.73	-44.44	-13	-31.44
6	13370	49.23	-51.13	3.65	-47.49	-13	-34.49
7	15280	55.34	-42.01	3.70	-38.31	-13	-25.31
8	17190	56.82	-40.53	3.70	-36.83	-13	-23.83

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 15 MHz

Mode	TX channel 26115	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3715	41.95	-63.37	7.65	-55.73	-13	-42.73
2	5572.5	45.64	-59.22	7.07	-52.15	-13	-39.15
3	7430	47.29	-55.33	4.61	-50.72	-13	-37.72
4	9287.5	47.13	-55.03	4.23	-50.80	-13	-37.80
5	11145	49.27	-52.25	3.29	-48.96	-13	-35.96
6	13002.5	44.40	-56.43	4.44	-51.99	-13	-38.99
7	14860	46.85	-50.72	3.50	-47.22	-13	-34.22
8	16717.5	51.83	-45.52	3.70	-41.82	-13	-28.82
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3715	42.91	-62.41	7.65	-54.77	-13	-41.77
2	5572.5	42.48	-62.38	7.07	-55.31	-13	-42.31
3	7430	42.17	-60.45	4.61	-55.84	-13	-42.84
4	9287.5	45.10	-57.06	4.23	-52.83	-13	-39.83
5	11145	52.73	-48.79	3.29	-45.50	-13	-32.50
6	13002.5	49.28	-51.55	4.44	-47.11	-13	-34.11
7	14860	55.98	-41.59	3.50	-38.09	-13	-25.09
8	16717.5	56.01	-41.34	3.70	-37.64	-13	-24.64

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	43.04	-62.23	7.63	-54.61	-13	-41.61
2	5647.5	46.95	-57.79	7.02	-50.77	-13	-37.77
3	7530	48.34	-54.28	4.53	-49.75	-13	-36.75
4	9412.5	47.57	-54.06	4.22	-49.84	-13	-36.84
5	11295	50.60	-50.89	3.48	-47.41	-13	-34.41
6	13177.5	45.77	-54.84	4.06	-50.77	-13	-37.77
7	15060	48.41	-48.94	3.70	-45.24	-13	-32.24
8	16942.5	51.44	-45.91	3.70	-42.21	-13	-29.21
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	42.45	-62.82	7.63	-55.20	-13	-42.20
2	5647.5	41.91	-62.83	7.02	-55.81	-13	-42.81
3	7530	41.41	-61.21	4.53	-56.68	-13	-43.68
4	9412.5	43.98	-57.65	4.22	-53.43	-13	-40.43
5	11295	54.07	-47.42	3.48	-43.94	-13	-30.94
6	13177.5	48.24	-52.37	4.06	-48.30	-13	-35.30
7	15060	56.37	-40.98	3.70	-37.28	-13	-24.28
8	16942.5	56.38	-40.97	3.70	-37.27	-13	-24.27

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26615	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3815	42.91	-62.32	7.61	-54.71	-13	-41.71
2	5722.5	46.78	-57.85	6.97	-50.88	-13	-37.88
3	7630	47.07	-55.55	4.43	-51.12	-13	-38.12
4	9537.5	47.50	-54.12	4.19	-49.93	-13	-36.93
5	11445	50.44	-51.03	3.67	-47.36	-13	-34.36
6	13352.5	44.39	-55.98	3.65	-52.33	-13	-39.33
7	15260	47.52	-49.83	3.70	-46.13	-13	-33.13
8	17167.5	52.01	-45.34	3.70	-41.64	-13	-28.64
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3815	42.98	-62.25	7.61	-54.64	-13	-41.64
2	5722.5	43.01	-61.62	6.97	-54.65	-13	-41.65
3	7630	41.60	-61.02	4.43	-56.59	-13	-43.59
4	9537.5	43.68	-57.94	4.19	-53.75	-13	-40.75
5	11445	52.84	-48.63	3.67	-44.96	-13	-31.96
6	13352.5	49.42	-50.95	3.65	-47.30	-13	-34.30
7	15260	55.10	-42.25	3.70	-38.55	-13	-25.55
8	17167.5	57.42	-39.93	3.70	-36.23	-13	-23.23

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

LTE Band 25: 20 MHz

Mode	TX channel 26140	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3720	42.06	-61.95	7.70	-54.24	-13	-41.24
2	5580	47.04	-57.81	7.06	-50.74	-13	-37.74
3	7440	47.19	-55.36	4.60	-50.76	-13	-37.76
4	9300	48.82	-53.31	4.23	-49.08	-13	-36.08
5	11160	50.64	-50.88	3.31	-47.56	-13	-34.56
6	13020	45.74	-55.06	4.40	-50.66	-13	-37.66
7	14880	48.23	-49.12	3.70	-45.42	-13	-32.42
8	16740	50.99	-46.36	3.70	-42.66	-13	-29.66
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3720	42.63	-61.38	7.70	-53.67	-13	-40.67
2	5580	42.30	-62.55	7.06	-55.48	-13	-42.48
3	7440	41.17	-61.38	4.60	-56.78	-13	-43.78
4	9300	44.73	-57.40	4.23	-53.17	-13	-40.17
5	11160	52.81	-48.71	3.31	-45.39	-13	-32.39
6	13020	48.94	-51.86	4.40	-47.46	-13	-34.46
7	14880	55.61	-41.74	3.70	-38.04	-13	-25.04
8	16740	56.66	-40.69	3.70	-36.99	-13	-23.99

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26365	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	42.45	-62.82	7.63	-55.20	-13	-42.20
2	5647.5	45.35	-59.39	7.02	-52.37	-13	-39.37
3	7530	47.57	-55.05	4.53	-50.52	-13	-37.52
4	9412.5	47.44	-54.19	4.22	-49.97	-13	-36.97
5	11295	49.06	-52.46	3.29	-49.17	-13	-36.17
6	13177.5	44.88	-56.61	3.48	-53.13	-13	-40.13
7	15060	46.80	-50.55	3.70	-46.85	-13	-33.85
8	16942.5	52.42	-44.93	3.70	-41.23	-13	-28.23
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3765	43.12	-62.15	7.63	-54.53	-13	-41.53
2	5647.5	42.66	-62.08	7.02	-55.06	-13	-42.06
3	7530	42.91	-59.71	4.53	-55.18	-13	-42.18
4	9412.5	45.52	-56.11	4.22	-51.89	-13	-38.89
5	11295	52.76	-48.76	3.29	-45.47	-13	-32.47
6	13177.5	48.31	-53.18	3.48	-49.70	-13	-36.70
7	15060	55.94	-41.41	3.70	-37.71	-13	-24.71
8	16942.5	55.80	-41.55	3.70	-37.85	-13	-24.85

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

Mode	TX channel 26590	Frequency Range	Above 1000 MHz

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3810	41.75	-63.47	7.60	-55.87	-13	-42.87
2	5715	46.91	-57.23	7.25	-49.98	-13	-36.98
3	7620	47.67	-54.95	4.44	-50.51	-13	-37.51
4	9525	47.76	-53.86	4.18	-49.68	-13	-36.68
5	11430	49.07	-52.39	3.69	-48.70	-13	-35.70
6	13335	44.95	-55.41	3.65	-51.77	-13	-38.77
7	15240	47.21	-50.14	3.70	-46.44	-13	-33.44
8	17145	52.53	-44.82	3.70	-41.12	-13	-28.12
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	Emission Value (dBm)	Limit (dBm)	Margin (dB)
1	3810	42.44	-62.78	7.60	-55.18	-13	-42.18
2	5715	43.47	-60.67	7.25	-53.42	-13	-40.42
3	7620	41.79	-60.83	4.44	-56.39	-13	-43.39
4	9525	44.04	-57.58	4.18	-53.40	-13	-40.40
5	11430	53.54	-47.92	3.69	-44.23	-13	-31.23
6	13335	49.37	-50.99	3.65	-47.35	-13	-34.35
7	15240	56.50	-40.85	3.70	-37.15	-13	-24.15
8	17145	56.35	-41.00	3.70	-37.30	-13	-24.30

Remarks:
1. Emission Value (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

5 Pictures of Test Arrangements

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

Appendix – Information on 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 accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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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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