FCC Radio Test Report

FCC ID: QISBGO-L03

This report concerns (check one): ☒**Original Grant** ☐**Class II Change**

Project No.	: 1608C212
Equipment	: HUAWEI MediaPad T2 7.0 (MediaPad T2 7.0 for short)
Test Model	: BGO-L03
Series Model	: N/A
Applicant	: Huawei Technologies Co., Ltd.
Address	: Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

Date of Receipt	: Aug. 26, 2016
Date of Test	: Aug. 26, 2016 ~ Sep. 12, 2016
Issued Date	: Sep. 13, 2016
Tested by	: BTL Inc.

Technical Engineer : Shawn Xiao

(Shawn Xiao)

Authorized Signatory : Steven Lu

(Steven Lu)

BTL INC.

No.3,Jinshagang 1st Road, Shixia,Dalang Town, Dongguan, Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

BTL's report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **BTL-self**, extracts from the test report shall not be reproduced except in full with **BTL**'s authorized written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO Guide17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Table of Contents Page

REPORT ISSUED HISTORY 5

1 . CERTIFICATION 6

2 . SUMMARY OF TEST RESULTS 7

2.1 TEST FACILITY 8

2.2 MEASUREMENT UNCERTAINTY 8

3 . GENERAL INFORMATION 9

3.1 GENERAL DESCRIPTION OF EUT 9

3.2 DESCRIPTION OF TEST MODES AND TEST CONDITION 11

3.3 BLOCKDIGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED 16

3.4 DESCRIPTION OF SUPPORT UNITS 16

4 . TEST RESULT 17

4.1 OUTPUT POWER MEASUREMENT 17

4.1.1 LIMIT 17

4.1.2 TEST PROCEDURE 17

4.1.3 TESTSETUP LAYOUT 17

4.1.4 TEST DEVIATION 17

4.1.5 TEST RESULTS 17

4.2 OCCUPIED BANDWIDTH MEASUREMENT 18

4.2.1 TEST PROCEDURE 18

4.2.2 TEST SETUP LAYOUT 18

4.2.3 TEST DEVIATION 18

4.2.4 TEST RESULTS 18

4.3 CONDUCTED EMISSIONS MEASUREMENT 19

4.3.1 LIMIT 19

4.3.2 TEST PROCEDURES 19

4.3.3 TESTSETUP LAYOUT 19

4.3.4 TESTDEVIATION 19

4.3.5 TEST RESULTS 19

4.4 RADIATED EMISSIONS MEASUREMENT 20

4.4.1 LIMIT 20

4.4.2 TEST PROCEDURES 20

4.4.3 TESTSETUP LAYOUT 20

4.4.4 TESTDEVIATION 20

4.4.5 TEST RESULTS 20

4.5 BAND EDGE MEASUREMENT 21

4.5.1 LIMIT 21

Table of Contents Page

4.5.2 TEST PROCEDURES 21
4.5.3 TESTSETUP LAYOUT 21
4.5.4 TESTDEVIATION 22
4.5.5 TEST RESULTS 22
4.6 PEAK TO AVERAGE RATIO MEASUREMENT 23
4.6.1 LIMIT 23
4.6.2 TEST PROCEDURES 23
4.6.3 TESTSETUP LAYOUT 23
4.6.4 TESTDEVIATION 23
4.6.5 TEST RESULTS 23
4.7 FREQUENCY STABILITY MEASUREMENT 24
4.7.1 LIMIT 24
4.7.2 TEST PROCEDURES 24
4.7.3 TESTSETUP LAYOUT 24
4.7.4 TESTDEVIATION 24
4.7.5 TEST RESULTS 24
5. LIST OF MEASUREMENT EQUIPMENTS 25
6. EUT TEST PHOTO 27
ATTACHMENT A - OUTPUT POWER 31
ATTACHMENT B - OCCUPIED BANDWIDTH 44
ATTACHMENT C - CONDUCTED EMISSIONS 70
ATTACHMENT D - RADIATED EMISSION 84
ATTACHMENT E - BAND EDGE 161
ATTACHMENT F - PEAK TO AVERAGE RATIO 175
ATTACHMENT G - FREQUENCY STABILITY 189

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-6-1608C212	Original Issue.	Sep. 13, 2016

1. CERTIFICATION

Equipment	:	HUAWEI MediaPad T2 7.0 (MediaPad T2 7.0 for short)
Brand Name	:	HUAWEI
Test Model	:	BGO-L03
Series Model	:	N/A
Applicant	:	Huawei Technologies Co., Ltd.
Manufacturer	:	Huawei Technologies Co.,Ltd.
Address	:	Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen 518129, P.R.China
Factory	:	Huawei Technologies Co.,Ltd.
Address	:	No.3666,Sixian Rd.,Songjiang District,Shanghai,P.R.China
Date of Test	:	Aug. 26, 2016 ~ Sep. 12, 2016
Test Sample	:	Engineering Sample
Standard(s)	:	47 CFR FCC Part 27 47 CFR FCC Part 2 & ANSI/TIA-603-D-2010

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-6-1608C212) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the WCDMA Band 4, LTE Band 4, 7 and 17 part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part 27 & Part 2			
Standard(s) Section	Test Item	Judgment	Tested By
2.1046 27.50(d)(4)	Radiated power	PASS	Robort Luo
2.1046 27.50(d)(4)	Conducted Output Power	PASS	Allen Li
2.1049 27.53(h)	Occupied Bandwidth	PASS	Allen Li
2.1051 27.53(h)	Conducted Spurious Emissions	PASS	Allen Li
2.1053 27.53(h)	Radiated Spurious Emissions	PASS	Robort Luo
27.53(h)	Band Edge Measurements	PASS	Allen Li
27.50	Peak To Average Ratio	PASS	Allen Li
2.1055 27.54	Frequency Stability	PASS	Allen Li

NOTE:

(1)" N/A" denotes test is not applicable to this device.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's test firm number for FCC: 319330

2.2 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. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

The reported uncertainty of measurement **y** ± **U**, where expanded uncertainty **U** is based on astandard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95**%.

A. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	9KHz ~ 30MHz	V	3.79
		9KHz ~ 30MHz	H	3.57
		30MHz ~ 200MHz	V	3.82
		30MHz ~ 200MHz	H	3.78
		200MHz ~ 1,000MHz	V	4.10
		200MHz ~ 1,000MHz	H	4.06

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 18GHz	V	3.12
		1GHz ~ 18GHz	H	3.68

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (1m)	CISPR	18GHz ~ 40GHz	V	4.15
		18GHz ~ 40GHz	H	4.14

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	HUAWEI MediaPad T2 7.0 (MediaPad T2 7.0 for short)		
Brand Name	HUAWEI		
Test Model	BGO-L03		
Series Model	N/A		
Model Difference	N/A		
Modulation Type	WCDMA	Uplink: BPSK Downlink: QPSK	
	WCDMA(HSDPA/HSUPA)	16QAM	
	LTE	QPSK, 16QAM	
Operation Frequency	WCDMA Band 4	1712.4 ~1752.6MHz	
	LTE 4 (Channel Bandwidth: 1.4MHz)	1710.7 ~ 1754.3 MHz	
	LTE 4 (Channel Bandwidth: 3MHz)	1711.5 ~ 1753.5 MHz	
	LTE 4 (Channel Bandwidth: 5MHz)	1712.5 ~ 1752.5 MHz	
	LTE 4 (Channel Bandwidth: 10MHz)	1715.0 ~ 1750.0 MHz	
	LTE 4 (Channel Bandwidth: 15MHz)	1717.5 ~ 1747.5 MHz	
	LTE 4 (Channel Bandwidth: 20MHz)	1720.0 ~ 1745.0 MHz	
	LTE 7 (Channel Bandwidth: 5MHz)	2502.5 ~ 2567.5 MHz	
	LTE 7 (Channel Bandwidth: 10MHz)	2505.0 ~ 2565.0 MHz	
	LTE 7 (Channel Bandwidth: 15MHz)	2507.5 ~ 2562.5 MHz	
	LTE 7 (Channel Bandwidth: 20MHz)	2510.0 ~ 2560.0 MHz	
	LTE 17 (Channel Bandwidth: 10MHz)	706.5 ~ 713.5 MHz	
	LTE 17 (Channel Bandwidth: 15MHz)	709.0 ~ 711.0 MHz	
Max. EIRP Power	WCDMA Band 4_WCDMA	BPSK	23.26 dBm
	WCDMA Band 4_HSDPA	16QAM	23.05 dBm
	WCDMA Band 4_HSUPA	16QAM	21.99 dBm
	LTE 4 (Channel Bandwidth: 1.4MHz)	QPSK	23.78 dBm
		16QAM	22.88 dBm
	LTE 4 (Channel Bandwidth: 3MHz)	QPSK	23.73 dBm
		16QAM	22.86 dBm
	LTE 4 (Channel Bandwidth: 5MHz)	QPSK	23.73 dBm
		16QAM	22.85 dBm
	LTE 4 (Channel Bandwidth: 10MHz)	QPSK	23.71 dBm
		16QAM	22.78 dBm
	LTE 4 (Channel Bandwidth: 15MHz)	QPSK	23.67 dBm
		16QAM	22.82 dBm
	LTE 4 (Channel Bandwidth: 20MHz)	QPSK	23.95 dBm
		16QAM	22.87 dBm

Max. EIRP Power	LTE 7 (Channel Bandwidth: 5MHz)	QPSK	21.63 dBm
		16QAM	21.60 dBm
	LTE 7 (Channel Bandwidth: 10MHz)	QPSK	21.56 dBm
		16QAM	21.08 dBm
	LTE 7 (Channel Bandwidth: 15MHz)	QPSK	21.61 dBm
		16QAM	20.93 dBm
	LTE 7 (Channel Bandwidth: 20MHz)	QPSK	21.75 dBm
		16QAM	21.19 dBm
Max. ERP Power	LTE 17 (Channel Bandwidth: 10MHz)	QPSK	16.20 dBm
		16QAM	14.97 dBm
	LTE 17 (Channel Bandwidth: 15MHz)	QPSK	16.21 dBm
		16QAM	14.61 dBm
Antenna Type	Fixed Internal Antenna		
Antenna Gain	WCDMA Band 4	0.84 dBi	
	LTE 4	0.84 dBi	
	LTE 7	-0.69 dBi	
	LTE 17	-5.12 dBi	
Hardware Version	SH1BAGO721LM		
Softwarre Version	BGO-L03C331B002		
IMEI No.	004401727645588		
Power Source	#1 DC voltage supplied from AC/DC adapter. Manufacturer: (1) HUIZHOU BYD ELECTRONIC CO., LTD. (2) Shenzhen Huntkey Electric Co., Ltd. (3) Dongguan Phitek Electronics Co., Ltd Model: HW-050100U01 (US), HW-050100A01 (AU) HW-050100E01 (EU), HW-050100B01 (UK) #2 Supplied from battery.		
Power Rating	#1 I/P: 100-240V~50/60Hz, 0.2A #2 DC 3.7V 4000mAh		

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT contains following accessory devices.

Item	Mfr/Brand	Model.
Battery	Harbin Coslight Power Co., Ltd.	HB3G1
	Sunwoda Electronic Co., LTD	
USB Cable	HONGLIN TECHNOLOGY CO., LTD	130-26988
	FOXCONN INTERCONNECT CO., LTD	CUBB01M-HC304-DH
	Shenzhen Luxshare Precision Industry Co., Ltd	L99U2017-CS-H
Earphone	GoerTek Inc	HA1-3, HG-04A
	Jiangxi Lianchuang Hongsheng Electronic Co., LTD	MEMD1632B580C00
	BOLUO COUNTY QUANCHENG ELECTRONIC CO.,LTD	1311-3291-3.5mm-229

3.2 DESCRIPTION OF TEST MODES AND TEST CONDITION

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 for EIRP and X-axis for radiated emission.
Following channel(s) was (were) selected for the final test as listed below:

WCDMA BAnd 4			
Test Item	Available Channel	Tested Channel	Mode
EIRP	1312 to 1513	1312, 1413, 1513	WCDMA,HSDPA,HSUPA
Frequency Stability	1312 to 1513	1413	WCDMA
Occupied Bandwidth	1312 to 1513	1312, 1413, 1513	WCDMA
Band Edge	1312 to 1513	1312, 1513	WCDMA
Peak to Average Ratio	1312 to 1513	1312, 1413, 1513	WCDMA
Condcudeted Emission	1312 to 1513	1413	WCDMA
Radiated Emission	1312 to 1513	1413	WCDMA,HSDPA,HSUPA

LTE BAND 4 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
Occupied Bandwidth	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	6 RB / 0 RB Offset
	19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	15 RB / 0 RB Offset
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
Conducted Emission	19957 to 20393	20175	1.4MHz	QPSK	1 RB / 0 RB Offset
	19965 to 20385	20175	3MHz	QPSK	1 RB / 0 RB Offset
	19975 to 20375	20175	5MHz	QPSK	1 RB / 0 RB Offset
	20000 to 20350	20175	10MHz	QPSK	1 RB / 0 RB Offset
	20025 to 20325	20175	15MHz	QPSK	1 RB / 0 RB Offset
	20050 to 20300	20175	20MHz	QPSK	1 RB / 0 RB Offset
Radiated Emission	19957 to 20393	20175	1.4MHz	QPSK	1 RB / 0 RB Offset
	20050 to 20300	20175	20MHz	QPSK	1 RB / 0 RB Offset

LTE BAND 4 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
Band Edge	19957 to 20393	19957	1.4MHz	QPSK	1 RB / 0 RB Offset
					6 RB / 0 RB Offset
		20393	1.4MHz	QPSK	1 RB / 5 RB Offset
					6 RB / 0 RB Offset
	19965 to 20385	19965	3MHz	QPSK	1 RB / 0 RB Offset
					15 RB / 0 RB Offset
		20385	3MHz	QPSK	1 RB / 14 RB Offset
					15 RB / 0 RB Offset
	19975 to 20375	19975	5MHz	QPSK	1 RB / 0 RB Offset
					25 RB / 0 RB Offset
		20375	5MHz	QPSK	1 RB / 24 RB Offset
					25 RB / 0 RB Offset
	20000 to 20350	20000	10MHz	QPSK	1 RB / 0 RB Offset
					50 RB / 0 RB Offset
		20350	10MHz	QPSK	1 RB / 49 RB Offset
					50 RB / 0 RB Offset
	20025 to 20325	20025	15MHz	QPSK	1 RB / 0 RB Offset
					75 RB / 0 RB Offset
		20325	15MHz	QPSK	1 RB / 74 RB Offset
					75 RB / 0 RB Offset
	20050 to 20300	20050	20MHz	QPSK	1 RB / 0 RB Offset
					100 RB / 0 RB Offset
		20300	20MHz	QPSK	1 RB / 99 RB Offset
					100 RB / 0 RB Offset
Peak To Average Ratio	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
Frequency Stability	19957 to 20393	20175	1.4MHz	QPSK	1 RB / 0 RB Offset
	19965 to 20385	20175	3MHz	QPSK	1 RB / 0 RB Offset
	19975 to 20375	20175	5MHz	QPSK	1 RB / 0 RB Offset
	20000 to 20350	20175	10MHz	QPSK	1 RB / 0 RB Offset
	20025 to 20325	20175	15MHz	QPSK	1 RB / 0 RB Offset
	20050 to 20300	20175	20MHz	QPSK	1 RB / 0 RB Offset

LTE BAND 7 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
Occupied Bandwidth	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
	20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
Conducted Emission	20775 to 21425	21100	5MHz	QPSK	1 RB / 0 RB Offset
	20800 to 21400	21100	10MHz	QPSK	1 RB / 0 RB Offset
	20825 to 21375	21100	15MHz	QPSK	1 RB / 0 RB Offset
	20850 to 21350	21100	20MHz	QPSK	1 RB / 0 RB Offset
Radiated Emission	20775 to 21425	21100	5MHz	QPSK	1 RB / 0 RB Offset
	20850 to 21350	21100	20MHz	QPSK	1 RB / 0 RB Offset

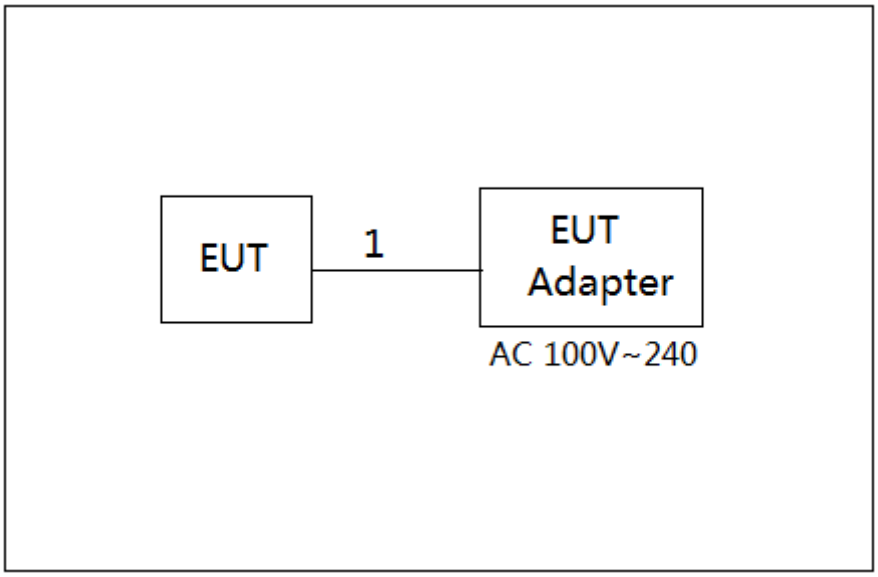
LTE BAND 7 MODE					
Band Edge	20775 to 21425	20775	5MHz	QPSK	1 RB / 0 RB Offset
					25 RB / 0 RB Offset
		21425	5MHz	QPSK	1 RB / 24 RB Offset
					25 RB / 0 RB Offset
	20800 to 21400	20800	10MHz	QPSK	1 RB / 0 RB Offset
					50 RB / 0 RB Offset
		21400	10MHz	QPSK	1 RB / 49 RB Offset
					50 RB / 0 RB Offset
	20825 to 21375	20825	15MHz	QPSK	1 RB / 0 RB Offset
					75 RB / 0 RB Offset
		21375	15MHz	QPSK	1 RB / 74 RB Offset
					75 RB / 0 RB Offset
	20850 to 21350	20850	20MHz	QPSK	1 RB / 0 RB Offset
					100 RB / 0 RB Offset
		21350	20MHz	QPSK	1 RB / 99 RB Offset
					100 RB / 0 RB Offset
Peak To Average Ratio	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
Frequency Stability	20775 to 21425	21100	5MHz	QPSK	1 RB / 0 RB Offset
	20800 to 21400	21100	10MHz	QPSK	1 RB / 0 RB Offset
	20825 to 21375	21100	15MHz	QPSK	1 RB / 0 RB Offset
	20850 to 21350	21100	20MHz	QPSK	1 RB / 0 RB Offset

LTE BAND 17 MODE					
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
ERP	706.5 to 713.5	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	709.0 to 711.0	23780, 23790, 23775	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
Occupied Bandwidth	706.5 to 713.5	23755, 23790, 23825	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
	709.0 to 711.0	23780, 23790, 23775	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
Conducted Emission	706.5 to 713.5	23790	5MHz	QPSK	1 RB / 0 RB Offset
	709.0 to 711.0	23790	10MHz	QPSK	1 RB / 0 RB Offset
Radiated Emission	706.5 to 713.5	23755	5MHz	QPSK	1 RB / 0 RB Offset
	709.0 to 711.0	23755	10MHz	QPSK	1 RB / 0 RB Offset
Band Edge	706.5 to 713.5	23755	5MHz	QPSK	1 RB / 0 RB Offset
					25 RB / 0 RB Offset
		23825	5MHz	QPSK	1 RB / 24 RB Offset
					25 RB / 0 RB Offset
	709.0 to 711.0	23780	10MHz	QPSK	1 RB / 0 RB Offset
					50 RB / 0 RB Offset
		23775	10MHz	QPSK	1 RB / 49 RB Offset
					50 RB / 0 RB Offset
Peak To Average Ratio	706.5 to 713.5	23755, 23790, 23825	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
	709.0 to 711.0	23780, 23790, 23775	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
Frequency Stability	706.5 to 713.5	23790	5MHz	QPSK	1 RB / 0 RB Offset
	709.0 to 711.0	23790	10MHz	QPSK	1 RB / 0 RB Offset

EUT TEST CONDITIONS:

Test Item	Environmental Conditions	Test Voltage
EIRP	24°C, 63%RH	AC 120V/60Hz
Conducted Output Power	25°C, 65%RH	AC 120V/60Hz
Occupied Bandwidth	25°C, 65%RH	AC 120V/60Hz
Conducted Emission	25°C, 65%RH	AC 120V/60Hz
Radiated Emission	25°C, 60%RH	AC 120V/60Hz
Band Edge	25°C, 65%RH	AC 120V/60Hz
Peak to Average Ratio	25°C, 65%RH	AC 120V/60Hz
Frequency Stability	25°C, 65%RH	AC 120V/60Hz

3.3 BLOCKDIGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED



3.4 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.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1m	USB cable

4. TEST RESULT

4.1 OUTPUT POWER MEASUREMENT

4.1.1 LIMIT

Mobile / Portable station are limited to 1 watts e.i.r.p. (WCDMA band 4 and LTE 4)
Mobile / Portable station are limited to 2 watts e.i.r.p. (LTE 7)
Mobile / Portable station are limited to 3 watts e.i.r.p. (LTE 17)

4.1.2 TEST PROCEDURE

EIRP/ERP:

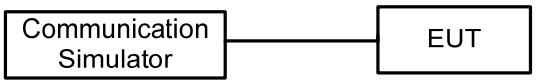
EIRP= Conducted Power +Antenan gain
ERP power=EIPR power-2.15dBi.

Conducted Power:

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

4.1.3 TESTSETUP LAYOUT

Conducted Power Measurement



4.1.4 TEST DEVIATION

No deviation

4.1.5 TEST RESULTS

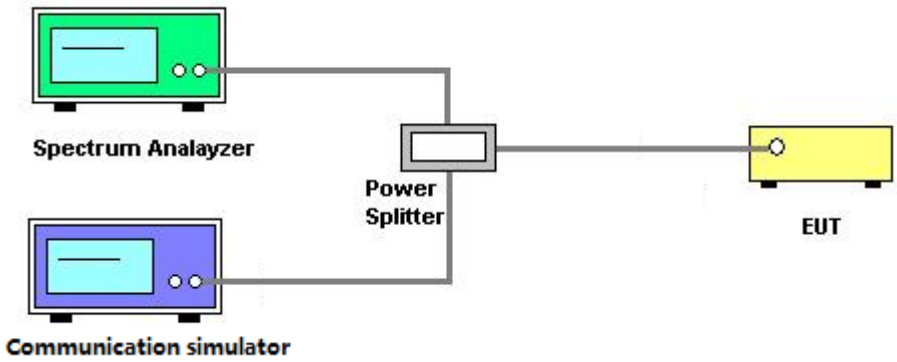
Please refer to the Attachment A.

4.2 OCCUPIED BANDWIDTH MEASUREMENT

4.2.1 TEST PROCEDURE

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

4.2.2 TEST SETUP LAYOUT



4.2.3 TEST DEVIATION

No deviation

4.2.4 TEST RESULTS

Please refer to the Attachment B.

4.3 CONDUCTED EMISSIONS MEASUREMENT

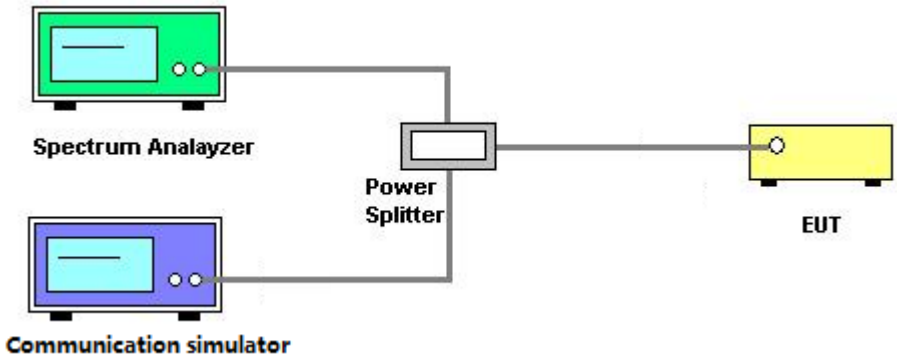
4.3.1 LIMIT

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.

4.3.2 TEST PROCEDURES

1. The testing follows FCC KDB 971168 v02r02 Section 6.0.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured. Set RBW>=1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Set spectrum analyzer with RMS detector.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from 43+10log(P)dB below the transmitter power P(Watts)
   =P(W)-[43+10log(P)](dB)
   =[30+10log(P)](dBm)-[43+10log(P)](dB)
   =-13dBm

4.3.3 TESTSETUP LAYOUT



4.3.4 TESTDEVIATION

No deviation

4.3.5 TEST RESULTS

Please refer to the Attachment C.

4.4 RADIATED EMISSIONS MEASUREMENT

4.4.1 LIMIT

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.

4.4.2 TEST PROCEDURES

1. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m 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.
2. The substitution horn 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 a. Record the power level of S.G
3. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
4. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15dBi.
5. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.4.3 TESTSETUP LAYOUT

This test setup layout is the same as that shown in **section 4.1.3.**

4.4.4 TESTDEVIATION

No deviation

4.4.5 TEST RESULTS

Please refer to the Attachment D.

4.5 BAND EDGE MEASUREMENT

4.5.1 LIMIT

WCDMA Band 4 and LTE 4: A 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.

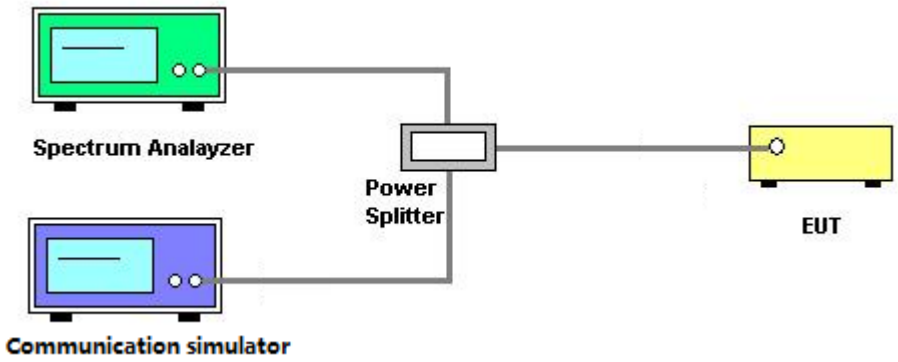
LTE 7: A Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

LTE 17: A 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 55 + 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 PROCEDURES

1. All measurements were done at low and high operational frequency range.
2. The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 3kHz and VB of the spectrum is 10kHz (GSM/GPRS/EDGE).
3. The center frequency of spectrum is the band edge frequency and span is 5MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz (WCDMA).
4. The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 13kHz and VB of the spectrum is 51kHz (LTE Bandwidth 1.4MHz).
5. The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 30kHz and VB of the spectrum is 100kHz (LTE Bandwidth 3MHz).
6. The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz (LTE Bandwidth 5MHz/10MHz).
7. Record the max trace plot into the test report.

4.5.3 TESTSETUP LAYOUT



4.5.4 TESTDEVIATION

No deviation

4.5.5 TEST RESULTS

Please refer to the Attachment E.

4.6 PEAK TO AVERAGE RATIO MEASUREMENT

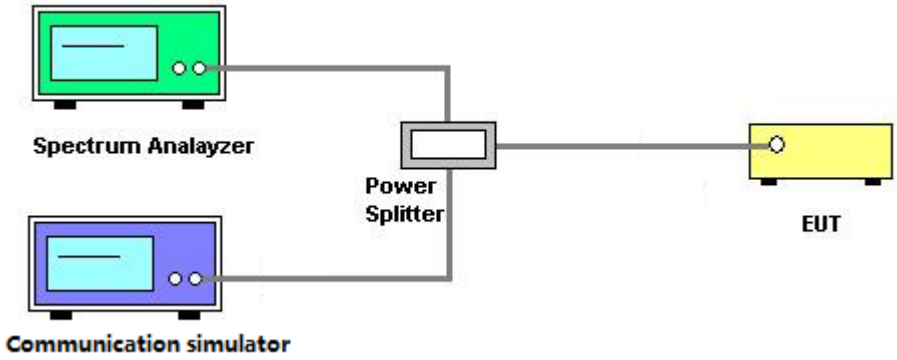
4.6.1 LIMIT

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

4.6.2 TEST 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%.

4.6.3 TESTSETUP LAYOUT



4.6.4 TESTDEVIATION

No deviation

4.6.5 TEST RESULTS

Please refer to the Attachment F.

4.7 FREQUENCY STABILITY MEASUREMENT

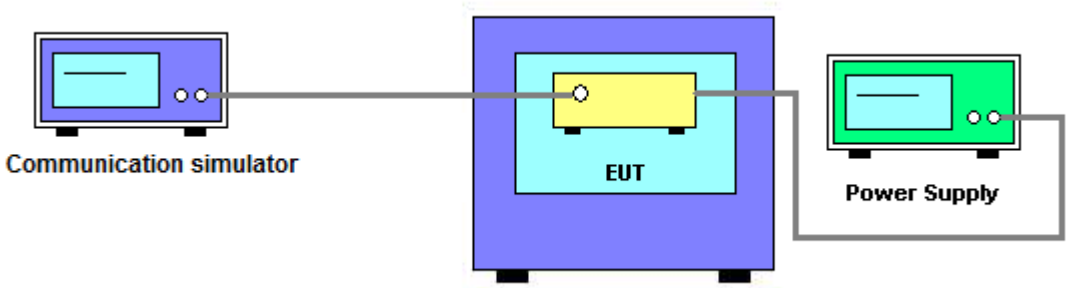
4.7.1 LIMIT

1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

4.7.2 TEST PROCEDURES

1. 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.
2. 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.
3. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5°C 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.
4. The frequency error was recorded frequency error from the communication simulator.

4.7.3 TESTSETUP LAYOUT



4.7.4 TESTDEVIATION

No deviation

4.7.5 TEST RESULTS

Please refer to the Attachment G.

5. LIST OF MEASUREMENT EQUIPMENTS

Radiated Emission & ERP or EIRP Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 27, 2017
3	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017
4	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
5	Amplifier	HP	8447D	2944A09673	Nov. 09, 2016
6	HighPass Filter	Wairrwright Instruments Gmbh	WHK 1.5/15G-10ST	11	Mar. 10, 2017
7	Band Reject Filter	Wairrwright Instruments Gmbh	WRCG 1710/1785-1690 /1805-60/12SS	38	Feb. 23, 2017
8	Band Reject Filter	Wairrwright Instruments Gmbh	WRCG 824/849-810/86 3-60/9SS	7	Feb. 23, 2017
9	Band Reject Filter	Wairrwright Instruments Gmbh	WRCG 880/915-860/93 5-60/9SS	14	Feb. 23, 2017
10	Band Reject Filter	Wairrwright Instruments Gmbh	WRCG 1850/1910-1830 /1930-60/10SS	17	Feb. 23, 2017
11	HighPass Filter	Wairrwright Instruments Gmbh	WHK3.1/18G-10 SS	24	Mar. 10, 2017
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
13	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
14	wideband radio communication tester	R&S	CMW500	152372	Mar. 27, 2017
15	High pass filter	ZHPF-M1000-4000 -1	ZHPF-M3-12.75 G-3869	B2015073763	Aug. 04, 2017
16	High pass filter	ZHPF-M3-12.75G-3869	ZHPF-M1000-40 00-1	B2015073762	Aug. 04, 2017
17	High pass filter	ZHPF-M6-18G-172 7	ZHPF-M6-186-1 727	B2015073764	Aug. 04, 2017
18	Cable	emci	LMR-400(30MH z-1GHz)(8m+5m)	N/A	Jun. 27, 2017
19	Cable	emci	EMC104-SM-S M-12000(12m)	N/A	Jul. 06, 2017
20	Controller	ETS-Lindgren	2090	N/A	N/A
21	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Conducted Emission & Band Edge & Occupied Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Mar. 27, 2017
2	POWER SPLITTER	Mini-Circuits	ZFRSC-123-S +	331000910-1	Feb. 26, 2017
3	wideband radio communication tester	R&S	CMW500	152372	Mar. 27, 2017
4	Cable	N/A	RG316(0.3m)	N/A	Jul. 06, 2017
5	Cable	N/A	RG316(0.3m)	N/A	Jul. 06, 2017

Frequency Stability Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	DC power supply	GW Instek	GPC-3030DN	EK880675	Oct. 13, 2017
2	POWER SPLITTER	Mini-Circuits	ZFRSC-123-S +	331000910-1	Feb. 26, 2017
3	wideband radio communication tester	R&S	CMW500	152372	Mar. 27, 2017
4	Const Temp,& Humidity Chamber	Giant?Force	ITH-225-20-S	IAB0309-001	Dec. 04, 2016
5	Cable	N/A	RG316(0.3m)	N/A	Jul. 06, 2017

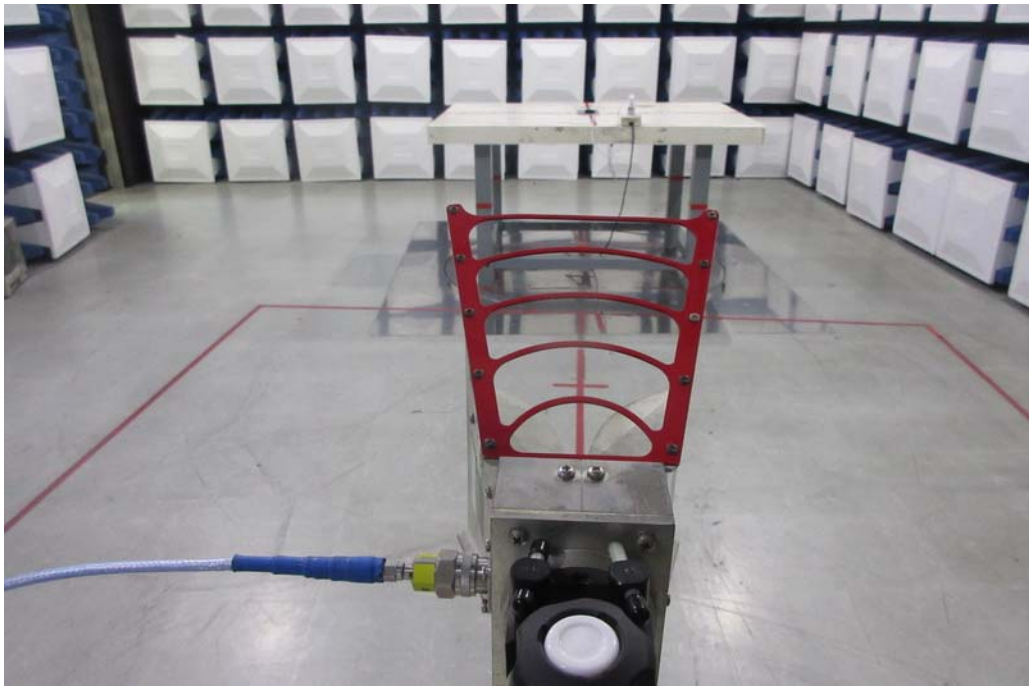
Remark: ”N/A” denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.

6. EUT TEST PHOTO

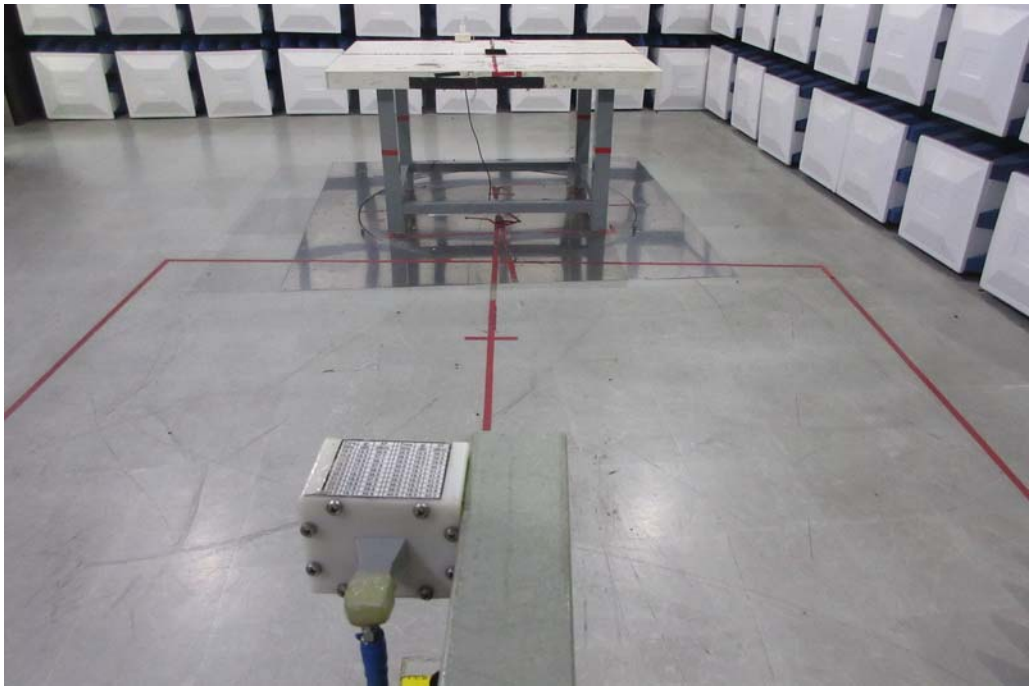
Radiated Measurement Photos
9KHz to 30MHz

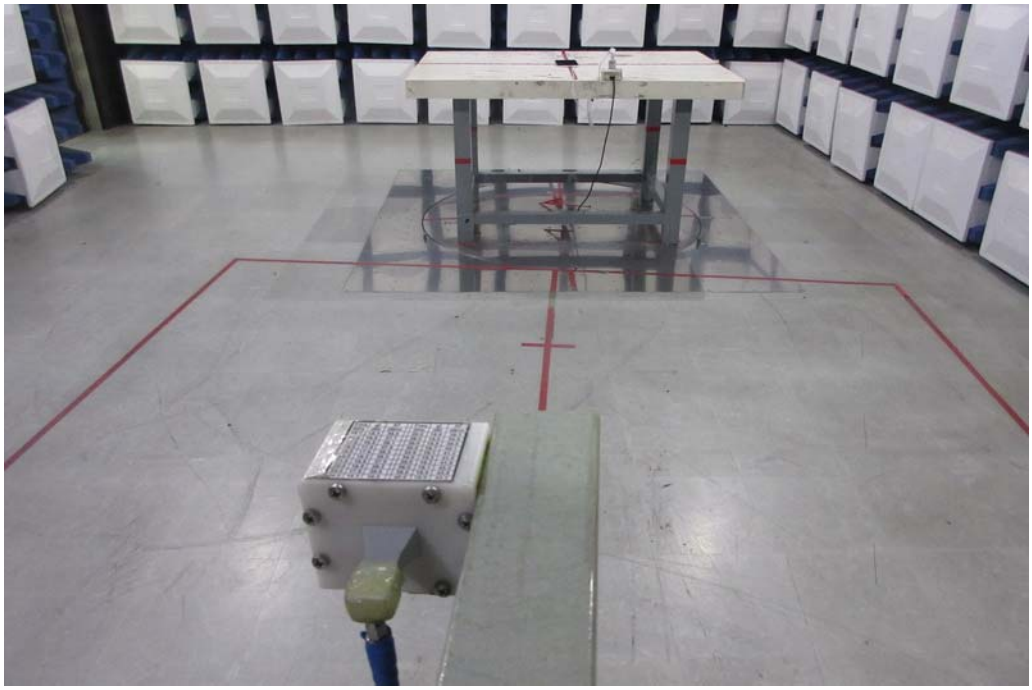
Radiated Measurement Photos
Below 1GHz

Radiated Measurement Photos
1GHz to 18GHz



Radiated Measurement Photos
18GHz to 40GHz





ATTACHMENT A - OUTPUT POWER

Conducted Power:

Modulation	Band	WCDMA 4		
	Channel	1312	1413	1513
	Frequency (MHz)	1712.4	1732.6	1752.6
BPSK	12.2kbps RMC	22.30	22.42	22.34
	64kbps RMC	22.29	22.35	22.32
	144kbps RMC	22.27	22.36	22.31
	384kbps RMC	22.28	22.37	22.35
16QAM	HSDPA Subtest 1	21.95	22.21	22.23
	HSDPA Subtest 2	21.80	22.00	22.05
	HSDPA Subtest 3	21.71	21.90	21.91
	HSDPA Subtest 4	21.74	21.95	21.96
16QAM	HSUPA Subtest 1	20.88	21.15	21.06
	HSUPA Subtest 2	19.77	19.85	19.73
	HSUPA Subtest 3	19.71	19.82	19.75
	HSUPA Subtest 4	19.23	19.65	19.53
	HSUPA Subtest 5	20.54	20.78	20.35

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				19957 CH	20175 CH	20393 CH
				1710.7 MHz	1732.5 MHz	1754.3 MHz
4 / 1.4M	QPSK	1	0	22.62	22.90	22.66
		1	2	22.61	22.93	22.66
		1	5	22.62	22.94	22.61
		3	0	22.67	22.84	22.61
		3	1	22.69	22.84	22.71
		3	3	22.68	22.84	22.66
		6	0	21.82	21.88	21.76
	16QAM	1	0	21.73	22.04	21.28
		1	2	21.71	21.88	21.30
		1	5	21.61	21.91	21.22
		3	0	21.99	21.96	21.74
		3	1	22.01	22.00	21.75
		3	3	22.01	21.98	21.72
		6	0	20.87	20.90	20.68

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				19965 CH	20175 CH	20385 CH
				1711.5 MHz	1732.5 MHz	1753.5 MHz
4 / 3M	QPSK	1	0	22.54	22.89	22.61
		1	7	22.64	22.73	22.60
		1	14	22.69	22.79	22.58
		8	0	21.96	21.91	21.91
		8	3	21.94	21.86	21.89
		8	7	21.85	21.86	21.86
		15	0	21.94	21.89	21.90
	16QAM	1	0	21.54	22.02	21.42
		1	7	21.44	22.01	21.41
		1	14	21.38	22.01	21.41
		8	0	20.92	21.21	20.82
		8	3	20.92	21.37	20.73
		8	7	20.94	21.36	20.65
		15	0	20.86	21.09	20.64

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				19975 CH	20175 CH	20375 CH
				1712.5 MHz	1732.5 MHz	1752.5 MHz
4 / 5M	QPSK	1	0	22.74	22.89	22.86
		1	12	22.86	22.81	22.73
		1	24	22.86	22.86	22.81
		12	0	21.93	21.99	21.92
		12	6	21.91	21.95	21.83
		12	13	21.86	21.88	21.89
		25	0	21.96	21.91	21.91
	16QAM	1	0	21.35	21.92	22.01
		1	12	21.37	21.83	21.95
		1	24	21.34	21.92	21.95
		12	0	20.75	21.13	20.85
		12	6	20.90	21.21	20.89
		12	13	20.76	21.29	20.71
		25	0	20.70	20.99	20.64

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20000 CH	20175 CH	20350 CH
				1715 MHz	1732.5 MHz	1750 MHz
4 / 10M	QPSK	1	0	22.54	22.86	22.61
		1	24	22.57	22.87	22.60
		1	49	22.64	22.83	22.55
		25	0	21.95	21.94	21.97
		25	12	21.85	21.98	21.86
		25	25	21.96	21.93	21.92
		50	0	21.87	21.97	21.94
	16QAM	1	0	21.26	21.93	21.76
		1	24	21.24	21.94	21.87
		1	49	21.24	21.93	21.74
		25	0	20.80	21.16	21.22
		25	12	20.86	21.10	21.11
		25	25	20.97	21.20	20.94
		50	0	20.85	21.05	21.01

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20025 CH	20175 CH	20325 CH
				1717.5 MHz	1732.5 MHz	1747.5 MHz
4 / 15M	QPSK	1	0	22.54	22.83	22.64
		1	37	22.56	22.79	22.62
		1	74	22.59	22.76	22.54
		36	0	21.88	22.76	21.94
		36	19	21.88	21.96	21.90
		36	39	21.93	21.99	21.87
		75	0	21.89	21.98	21.91
	16QAM	1	0	21.30	21.94	21.85
		1	37	21.31	21.98	21.93
		1	74	21.27	21.95	21.81
		36	0	21.41	21.45	20.83
		36	19	20.88	21.05	20.87
		36	39	20.86	20.89	20.65
		75	0	20.81	20.80	20.72

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20050 CH	20175 CH	20300 CH
				1720 MHz	1732.5 MHz	1745 MHz
4 / 20M	QPSK	1	0	22.88	**23.11**	22.87
		1	50	22.84	22.92	22.86
		1	99	22.85	23.01	22.77
		50	0	21.95	**22.03**	21.94
		50	25	21.93	21.96	21.87
		50	50	21.92	22.00	21.93
		100	0	21.94	21.96	21.87
	16QAM	1	0	21.80	22.03	21.96
		1	50	21.91	21.82	21.90
		1	99	21.80	21.96	22.03
		50	0	20.63	20.79	20.76
		50	25	20.91	20.92	20.86
		50	50	20.62	20.66	20.57
		100	0	20.84	20.66	20.83

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20775 CH	21100 CH	21425 CH
				2502.5 MHz	2535 MHz	2567.5 MHz
7 / 5M	QPSK	1	0	22.32	22.02	21.92
		1	12	21.85	21.88	21.69
		1	24	22.17	22.26	22.00
		12	0	21.69	21.35	21.28
		12	6	21.71	21.51	21.32
		12	13	21.47	21.55	21.22
		25	0	21.58	21.42	21.21
	16QAM	1	0	22.29	21.91	21.87
		1	12	21.90	21.81	21.62
		1	24	22.04	22.09	21.97
		12	0	20.62	20.37	20.26
		12	6	20.62	20.51	20.30
		12	13	20.39	20.43	20.20
		25	0	20.45	20.23	20.10

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20800 CH	21100 CH	21400 CH
				2505 MHz	2535 MHz	2565 MHz
7 / 10M	QPSK	1	0	21.77	22.21	22.08
		1	24	21.80	22.17	22.00
		1	49	21.86	22.25	22.10
		25	0	21.30	21.37	21.51
		25	12	21.31	21.44	21.60
		25	25	21.41	21.37	21.56
		50	0	21.30	21.46	21.53
	16QAM	1	0	21.18	21.77	21.41
		1	24	21.03	21.76	21.35
		1	49	21.17	21.71	21.30
		25	0	21.02	21.50	20.91
		25	12	20.90	21.39	21.00
		25	25	20.78	21.33	20.97
		50	0	20.88	21.40	20.89

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20825 CH	21100 CH	21375 CH
				2507.5 MHz	2535 MHz	2562.5 MHz
7 / 15M	QPSK	1	0	22.20	22.20	22.30
		1	37	22.09	22.15	22.27
		1	74	22.12	22.13	22.26
		36	0	21.34	21.52	21.59
		36	19	21.38	21.40	21.54
		36	39	21.35	21.47	21.53
		75	0	21.32	21.45	21.51
	16QAM	1	0	21.12	21.32	21.62
		1	37	21.01	21.30	21.62
		1	74	21.06	21.20	21.59
		36	0	20.79	21.37	20.83
		36	19	20.85	21.43	20.90
		36	39	20.91	21.35	20.78
		75	0	20.69	21.28	20.70

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20850 CH	21100 CH	21350 CH
				2510 MHz	2535 MHz	2560 MHz
7 / 20M	QPSK	1	0	22.12	22.29	22.26
		1	50	22.32	22.44	22.31
		1	99	22.29	22.33	22.29
		50	0	21.57	21.63	21.62
		50	25	21.42	21.49	21.59
		50	50	21.54	21.56	21.63
		100	0	21.49	21.57	21.57
	16QAM	1	0	21.19	21.88	21.56
		1	50	21.21	21.82	21.58
		1	99	21.38	21.88	21.57
		50	0	20.77	20.90	20.24
		50	25	20.68	21.40	20.42
		50	50	20.33	21.12	20.68
		100	0	20.71	21.24	20.36

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				23755 CH	23790 CH	23825 CH
				706.5 MHz	710.0 MHz	713.5 MHz
17 / 5M	QPSK	1	0	23.47	23.31	23.28
		1	12	23.44	23.32	23.39
		1	24	23.46	23.25	23.46
		12	0	21.91	21.79	21.82
		12	6	21.91	21.78	21.86
		12	13	21.94	21.80	21.94
		25	0	21.98	21.87	22.00
	16QAM	1	0	21.56	21.74	22.15
		1	12	21.53	21.75	22.16
		1	24	21.51	21.76	22.24
		12	0	21.52	21.26	21.06
		12	6	21.64	21.32	21.39
		12	13	21.32	21.17	21.45
		25	0	21.45	21.08	21.12

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				23780 CH	23790 CH	23800 CH
				709.0 MHz	710.0 MHz	711.0 MHz
17 / 10M	QPSK	1	0	23.24	23.25	23.21
		1	24	23.31	23.48	23.25
		1	49	23.30	23.36	23.24
		25	0	22.05	22.06	22.05
		25	12	22.04	22.04	22.00
		25	25	21.95	22.03	21.99
		50	0	21.87	21.96	22.01
	16QAM	1	0	21.58	21.87	21.60
		1	24	21.52	21.79	21.58
		1	49	21.59	21.88	21.58
		25	0	21.15	21.16	21.21
		25	12	21.12	21.14	21.21
		25	25	21.15	21.11	21.28
		50	0	21.12	21.18	21.25

EIRP Power:

Modulation	Band	WCDMA 4		
	Channel	1312	1413	1513
	Frequency (MHz)	1712.4	1732.6	1752.6
BPSK	12.2kbps RMC	23.14	**23.26**	23.18
	64kbps RMC	23.13	23.19	23.16
	144kbps RMC	23.11	23.20	23.15
	384kbps RMC	23.12	23.21	23.19
16QAM	HSDPA Subtest 1	22.79	**23.05**	23.07
	HSDPA Subtest 2	22.64	22.84	22.89
	HSDPA Subtest 3	22.55	22.74	22.75
	HSDPA Subtest 4	22.58	22.79	22.80
16QAM	HSUPA Subtest 1	21.72	**21.99**	21.90
	HSUPA Subtest 2	20.61	20.69	20.57
	HSUPA Subtest 3	20.55	20.66	20.59
	HSUPA Subtest 4	20.07	20.49	20.37
	HSUPA Subtest 5	21.38	21.62	21.19

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				19957 CH	20175 CH	20393 CH
				1710.7 MHz	1732.5 MHz	1754.3 MHz
4 / 1.4M	QPSK	1	0	23.46	23.74	23.50
		1	2	23.45	23.77	23.50
		1	5	23.46	**23.78**	23.45
		3	0	23.51	23.68	23.45
		3	1	23.53	23.68	23.55
		3	3	23.52	23.68	23.50
		6	0	22.66	22.72	22.60
	16QAM	1	0	22.57	**22.88**	22.12
		1	2	22.55	22.72	22.14
		1	5	22.45	22.75	22.06
		3	0	22.83	22.80	22.58
		3	1	22.85	22.84	22.59
		3	3	22.85	22.82	22.56
		6	0	21.71	21.74	21.52

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				19965 CH	20175 CH	20385 CH
				1711.5 MHz	1732.5 MHz	1753.5 MHz
4 / 3M	QPSK	1	0	23.38	**23.73**	23.45
		1	7	23.48	23.57	23.44
		1	14	23.53	23.63	23.42
		8	0	22.80	22.75	22.75
		8	3	22.78	22.70	22.73
		8	7	22.69	22.70	22.70
		15	0	22.78	22.73	22.74
	16QAM	1	0	22.38	**22.86**	22.26
		1	7	22.28	22.85	22.25
		1	14	22.22	22.85	22.25
		8	0	21.76	22.05	21.66
		8	3	21.76	22.21	21.57
		8	7	21.78	22.20	21.49
		15	0	21.70	21.93	21.48

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				19975 CH	20175 CH	20375 CH
				1712.5 MHz	1732.5 MHz	1752.5 MHz
4 / 5M	QPSK	1	0	23.58	**23.73**	23.70
		1	12	23.70	23.65	23.57
		1	24	23.70	23.70	23.65
		12	0	22.77	22.83	22.76
		12	6	22.75	22.79	22.67
		12	13	22.70	22.72	22.73
		25	0	22.80	22.75	22.75
	16QAM	1	0	22.19	22.76	**22.85**
		1	12	22.21	22.67	22.79
		1	24	22.18	22.76	22.79
		12	0	21.59	21.97	21.69
		12	6	21.74	22.05	21.73
		12	13	21.60	22.13	21.55
		25	0	21.54	21.83	21.48

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20000 CH	20175 CH	20350 CH
				1715 MHz	1732.5 MHz	1750 MHz
4 / 10M	QPSK	1	0	23.38	23.70	23.45
		1	24	23.41	**23.71**	23.44
		1	49	23.48	23.67	23.39
		25	0	22.79	22.78	22.81
		25	12	22.69	22.82	22.70
		25	25	22.80	22.77	22.76
		50	0	22.71	22.81	22.78
	16QAM	1	0	22.10	22.77	22.60
		1	24	22.08	**22.78**	22.71
		1	49	22.08	22.77	22.58
		25	0	21.64	22.00	22.06
		25	12	21.70	21.94	21.95
		25	25	21.81	22.04	21.78
		50	0	21.69	21.89	21.85

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20025 CH	20175 CH	20325 CH
				1717.5 MHz	1732.5 MHz	1747.5 MHz
4 / 15M	QPSK	1	0	23.38	**23.67**	23.48
		1	37	23.40	23.63	23.46
		1	74	23.43	23.60	23.38
		36	0	22.72	23.60	22.78
		36	19	22.72	22.80	22.74
		36	39	22.77	22.83	22.71
		75	0	22.73	22.82	22.75
	16QAM	1	0	22.14	22.78	22.69
		1	37	22.15	**22.82**	22.77
		1	74	22.11	22.79	22.65
		36	0	22.25	22.29	21.67
		36	19	21.72	21.89	21.71
		36	39	21.70	21.73	21.49
		75	0	21.65	21.64	21.56

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20050 CH	20175 CH	20300 CH
				1720 MHz	1732.5 MHz	1745 MHz
4 / 20M	QPSK	1	0	23.72	**23.95**	23.71
		1	50	23.68	23.76	23.70
		1	99	23.69	23.85	23.61
		50	0	22.79	22.87	22.78
		50	25	22.77	22.80	22.71
		50	50	22.76	22.84	22.77
		100	0	22.78	22.80	22.71
	16QAM	1	0	22.64	22.87	22.80
		1	50	22.75	22.66	22.74
		1	99	22.64	22.80	**22.87**
		50	0	21.47	21.63	21.60
		50	25	21.75	21.76	21.70
		50	50	21.46	21.50	21.41
		100	0	21.68	21.50	21.67

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20775 CH	21100 CH	21425 CH
				2502.5 MHz	2535 MHz	2567.5 MHz
7 / 5M	QPSK	1	0	**21.63**	21.33	21.23
		1	12	21.16	21.19	21.00
		1	24	21.48	21.57	21.31
		12	0	21.00	20.66	20.59
		12	6	21.02	20.82	20.63
		12	13	20.78	20.86	20.53
		25	0	20.89	20.73	20.52
	16QAM	1	0	**21.60**	21.22	21.18
		1	12	21.21	21.12	20.93
		1	24	21.35	21.40	21.28
		12	0	19.93	19.68	19.57
		12	6	19.93	19.82	19.61
		12	13	19.70	19.74	19.51
		25	0	19.76	19.54	19.41

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20800 CH	21100 CH	21400 CH
				2505 MHz	2535 MHz	2565 MHz
7 / 10M	QPSK	1	0	21.08	21.52	21.39
		1	24	21.11	21.48	21.31
		1	49	21.17	**21.56**	21.41
		25	0	20.61	20.68	20.82
		25	12	20.62	20.75	20.91
		25	25	20.72	20.68	20.87
		50	0	20.61	20.77	20.84
	16QAM	1	0	20.49	**21.08**	20.72
		1	24	20.34	21.07	20.66
		1	49	20.48	21.02	20.61
		25	0	20.33	20.81	20.22
		25	12	20.21	20.70	20.31
		25	25	20.09	20.64	20.28
		50	0	20.19	20.71	20.20

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20825 CH	21100 CH	21375 CH
				2507.5 MHz	2535 MHz	2562.5 MHz
7 / 15M	QPSK	1	0	21.51	21.51	**21.61**
		1	37	21.40	21.46	21.58
		1	74	21.43	21.44	21.57
		36	0	20.65	20.83	20.90
		36	19	20.69	20.71	20.85
		36	39	20.66	20.78	20.84
		75	0	20.63	20.76	20.82
	16QAM	1	0	20.43	20.63	**20.93**
		1	37	20.32	20.61	20.93
		1	74	20.37	20.51	20.90
		36	0	20.10	20.68	20.14
		36	19	20.16	20.74	20.21
		36	39	20.22	20.66	20.09
		75	0	20.00	20.59	20.01

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				20850 CH	21100 CH	21350 CH
				2510 MHz	2535 MHz	2560 MHz
7 / 20M	QPSK	1	0	21.43	21.60	21.57
		1	50	21.63	**21.75**	21.62
		1	99	21.60	21.64	21.60
		50	0	20.88	20.94	20.93
		50	25	20.73	20.80	20.90
		50	50	20.85	20.87	20.94
		100	0	20.80	20.88	20.88
	16QAM	1	0	20.50	**21.19**	20.87
		1	50	20.52	21.13	20.89
		1	99	20.69	21.19	20.88
		50	0	20.08	20.21	19.55
		50	25	19.99	20.71	19.73
		50	50	19.64	20.43	19.99
		100	0	20.02	20.55	19.67

ERP Power:

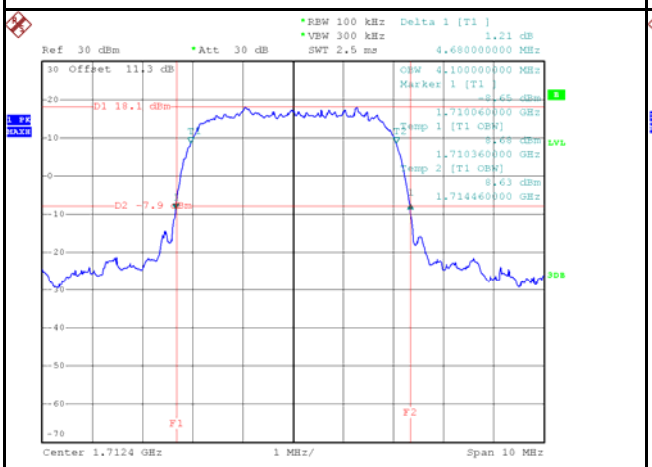
LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				23755 CH	23790 CH	23825 CH
				706.5 MHz	710.0 MHz	713.5 MHz
17 / 5M	QPSK	1	0	**16.20**	16.04	16.01
		1	12	16.17	16.05	16.12
		1	24	16.19	15.98	16.19
		12	0	14.64	14.52	14.55
		12	6	14.64	14.51	14.59
		12	13	14.67	14.53	14.67
		25	0	14.71	14.60	14.73
	16QAM	1	0	14.29	14.47	14.88
		1	12	14.26	14.48	14.89
		1	24	14.24	14.49	**14.97**
		12	0	14.25	13.99	13.79
		12	6	14.37	14.05	14.12
		12	13	14.05	13.90	14.18
		25	0	14.18	13.81	13.85

LTE Band / BW	Modulation	RB Sizet	RB Offset	Low CH	Mid CH	High CH
				23780 CH	23790 CH	23800 CH
				709.0 MHz	710.0 MHz	711.0 MHz
17 / 10M	QPSK	1	0	15.97	15.98	15.94
		1	24	16.04	**16.21**	15.98
		1	49	16.03	16.09	15.97
		25	0	14.78	14.79	14.78
		25	12	14.77	14.77	14.73
		25	25	14.68	14.76	14.72
		50	0	14.60	14.69	14.74
	16QAM	1	0	14.31	14.60	14.33
		1	24	14.25	14.52	14.31
		1	49	14.32	**14.61**	14.31
		25	0	13.88	13.89	13.94
		25	12	13.85	13.87	13.94
		25	25	13.88	13.84	14.01
		50	0	13.85	13.91	13.98

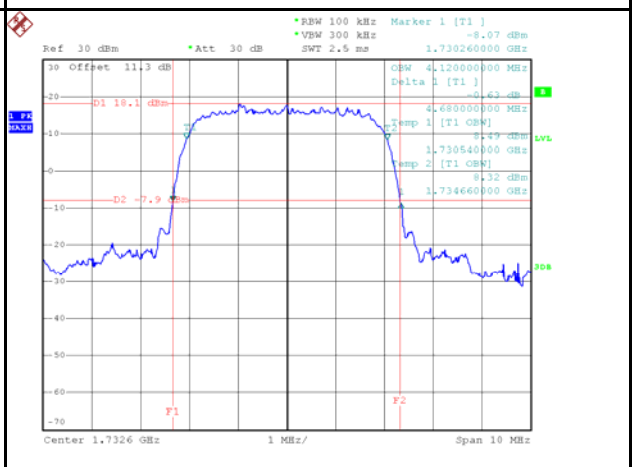
ATTACHMENT B - OCCUPIED BANDWIDTH

WCDMA Band 4					
BPSK					
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
1312	1712.4	4.10	1312	1712.4	4.68
1413	1732.6	4.12	1413	1732.6	4.68
1513	1752.6	4.10	1513	1752.6	4.68

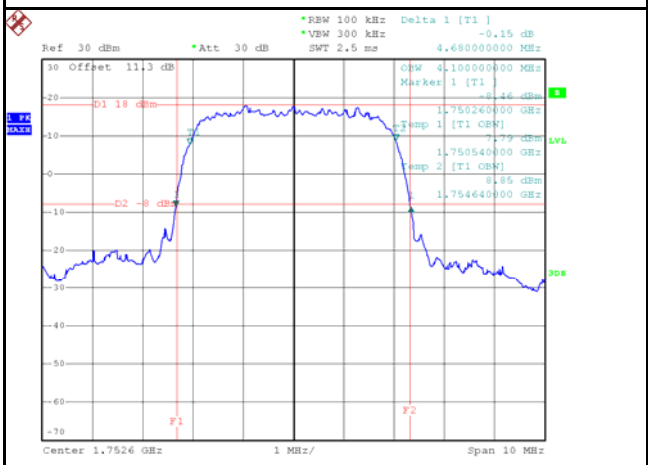
Spectrum Plot



Date: 1.SEP.2016 12:21:11

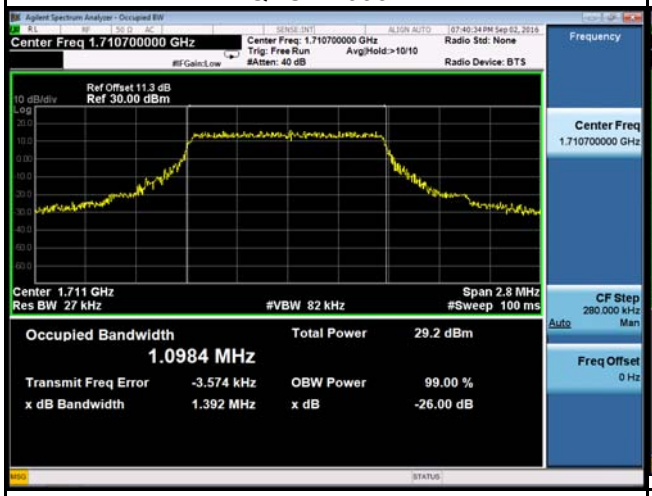
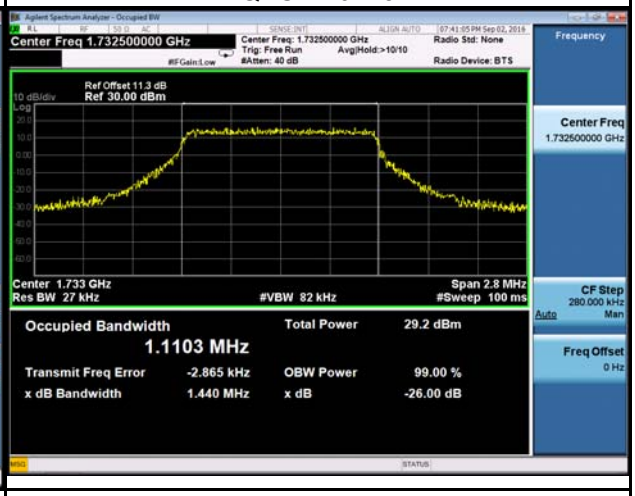
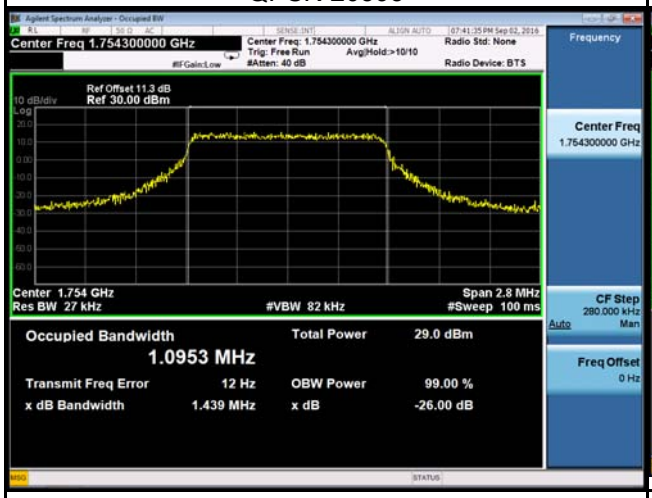
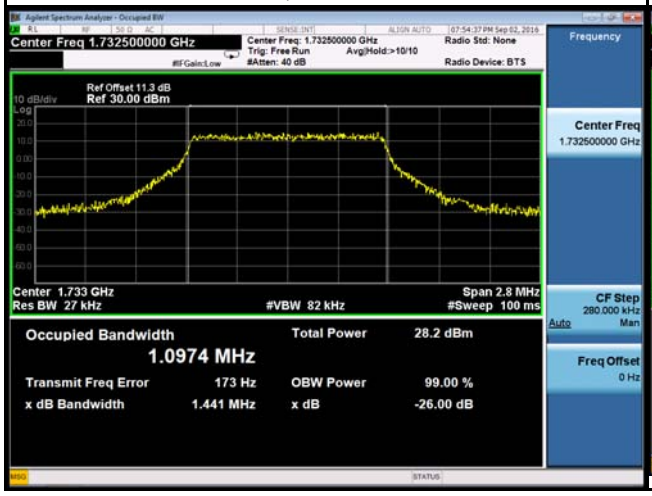
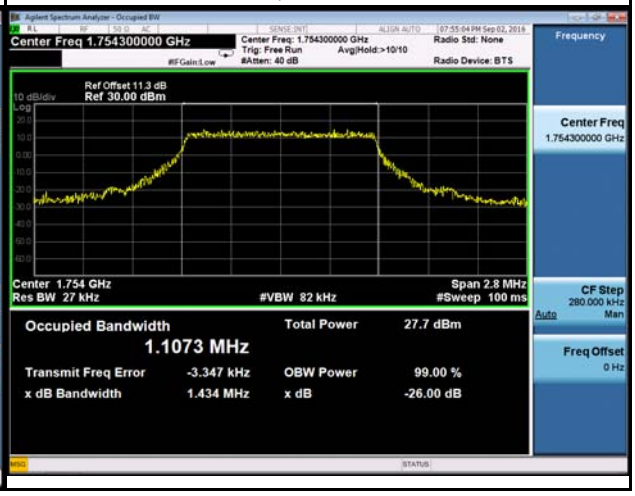


Date: 1.SEP.2016 12:24:34

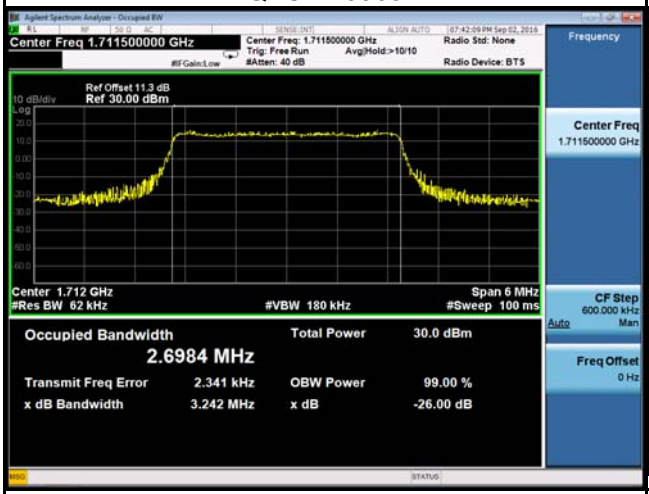
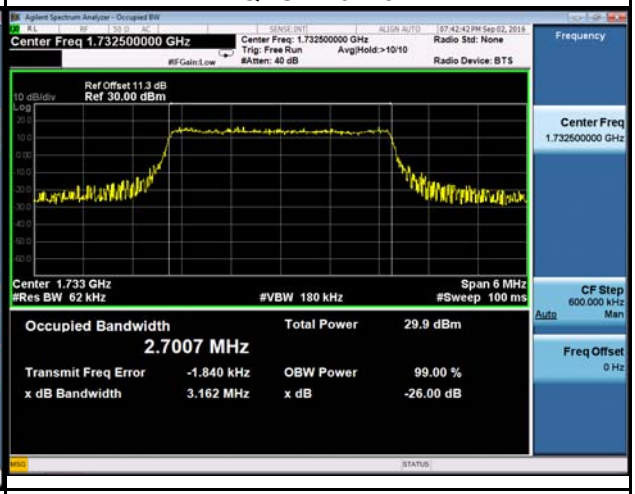
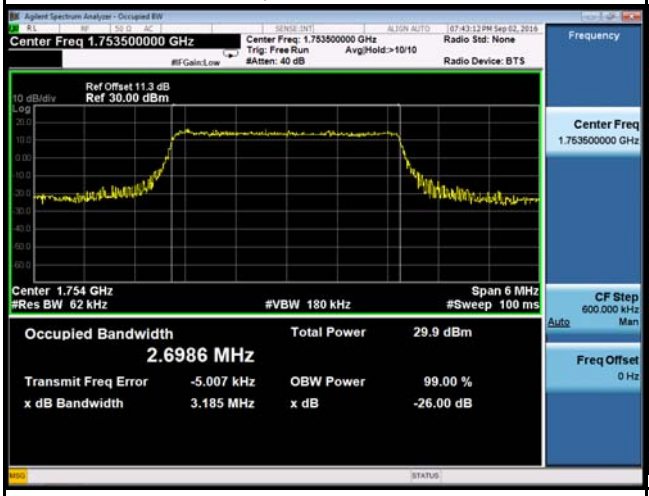
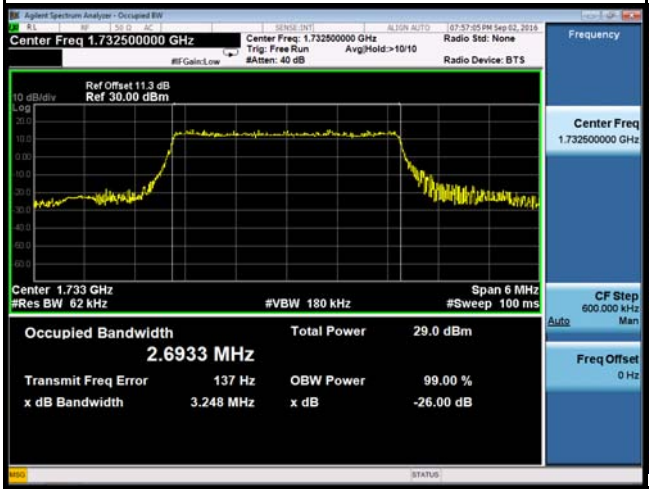
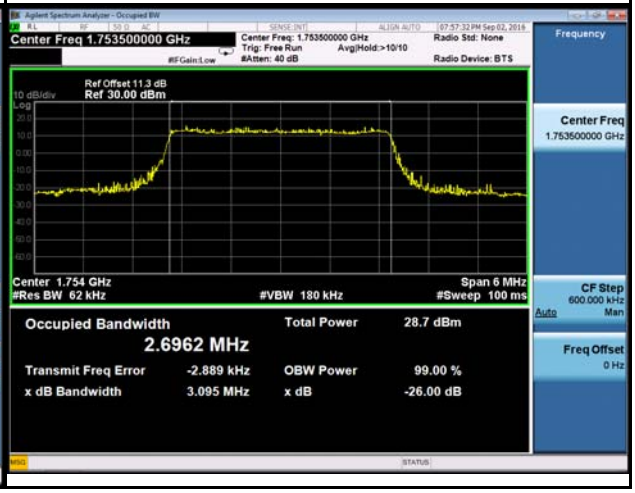


Date: 1.SEP.2016 12:26:32

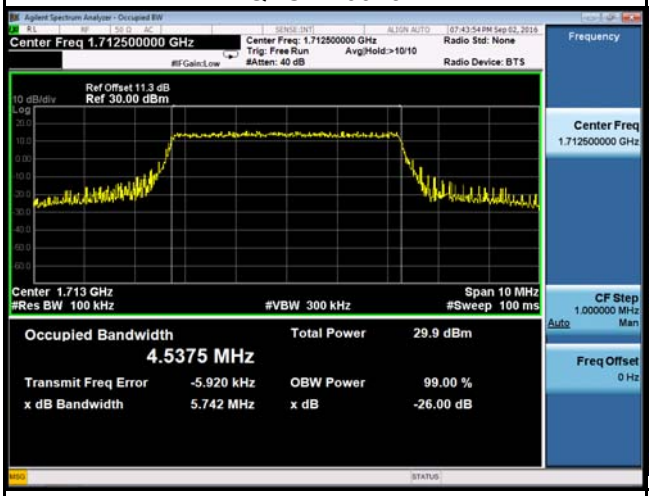
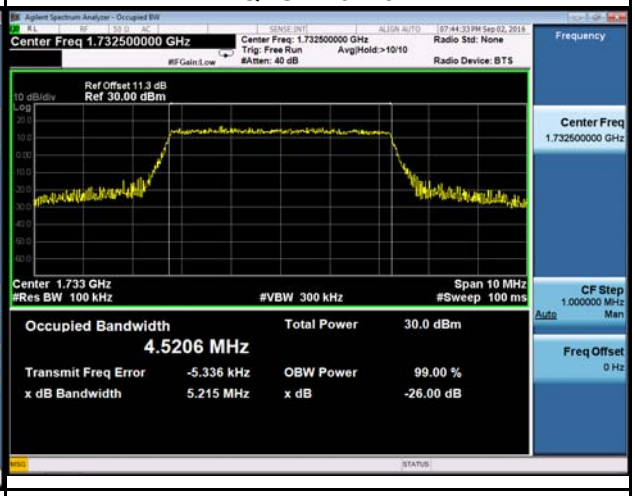
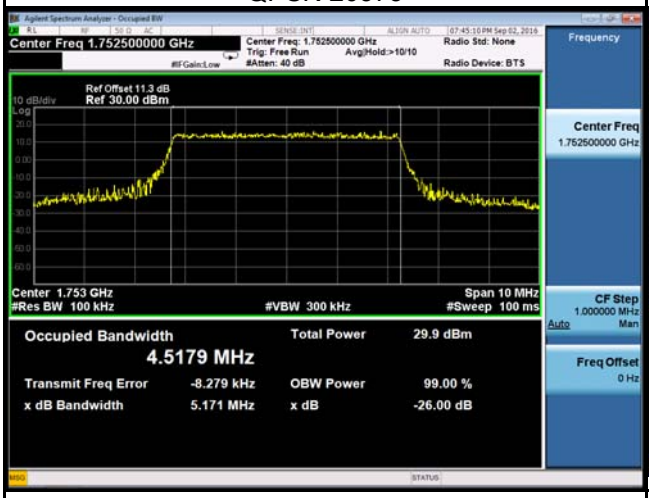
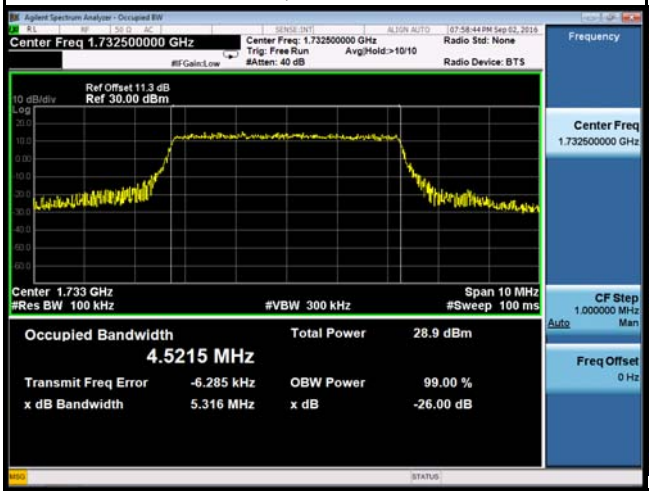
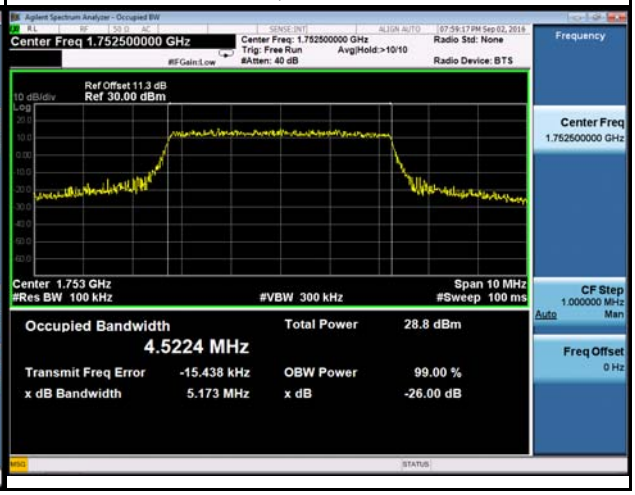
LTE Band 4_1.4M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
19957	1710.7	1.0984	19957	1710.7	1.1138
20175	1732.5	1.1103	20175	1732.5	1.0974
20393	1754.3	1.0953	20393	1754.3	1.1073
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19957	1710.7	1.392	19957	1710.7	1.460
20175	1732.5	1.440	20175	1732.5	1.441
20393	1754.3	1.439	20393	1754.3	1.434

Spectrum Plot	
QPSK-19957	QPSK-20175
	
QPSK-20393	16QAM-19957
	
16QAM-20175	16QAM-20393
	

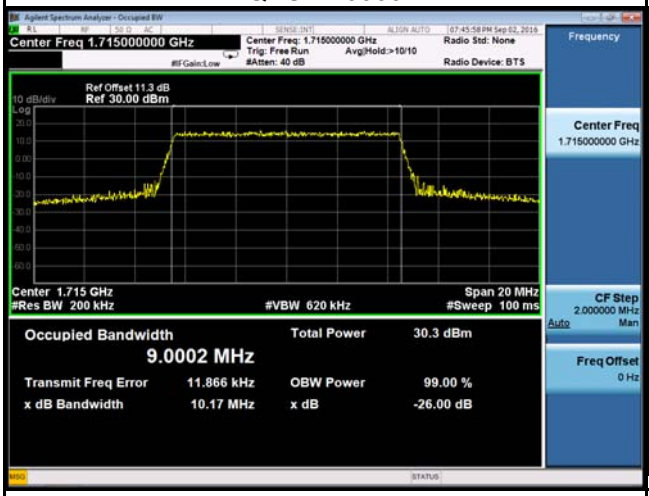
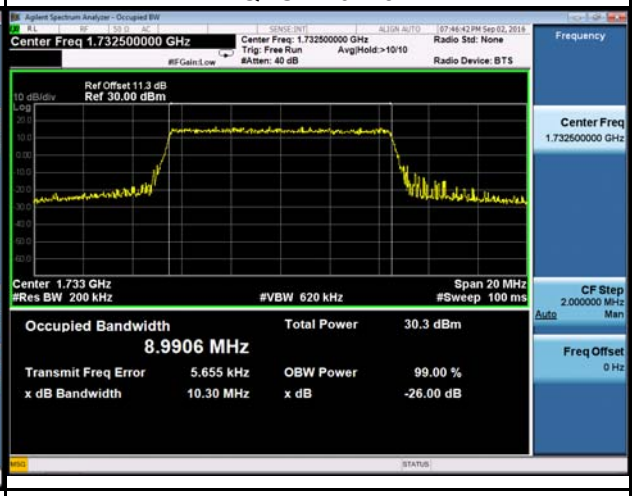
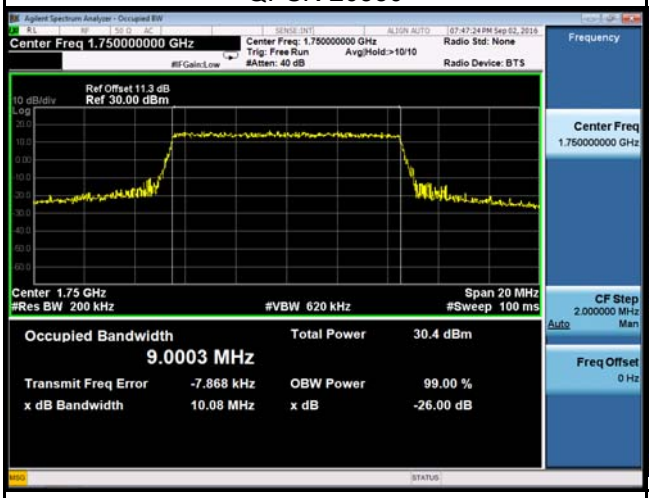
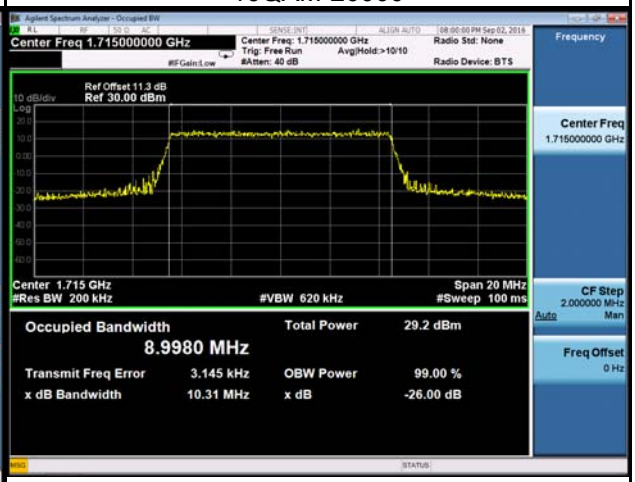
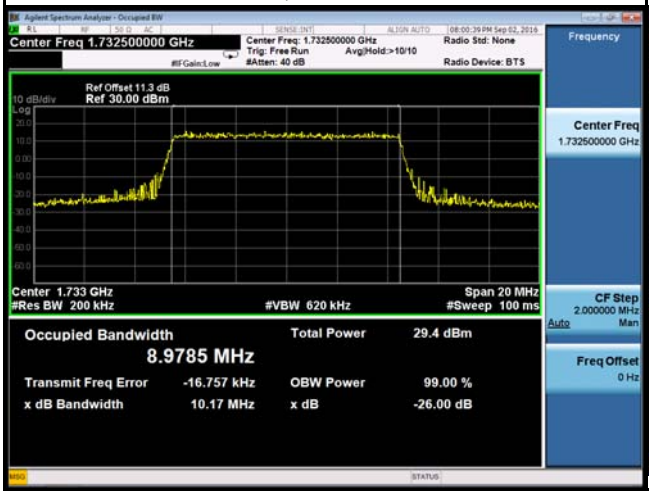
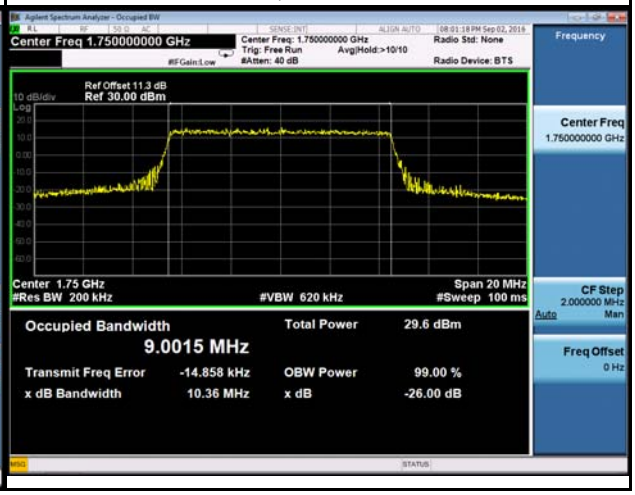
LTE Band 4_3M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
19965	1711.5	2.6984	19965	1711.5	2.7000
20175	1732.5	2.7007	20175	1732.5	2.6933
20385	1753.5	2.6986	20385	1753.5	2.6962
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19965	1711.5	3.242	19965	1711.5	3.333
20175	1732.5	3.162	20175	1732.5	3.248
20385	1753.5	3.185	20385	1753.5	3.095

Spectrum Plot	
QPSK-19965	QPSK-20175
	
QPSK-20385	16QAM-19965
	
16QAM-20175	16QAM-20385
	

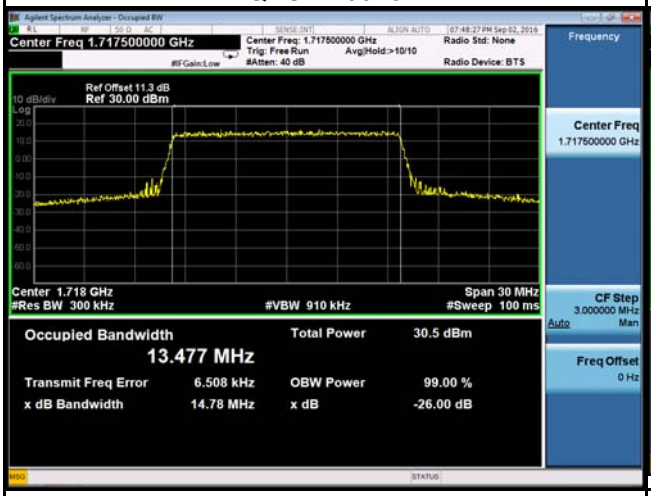
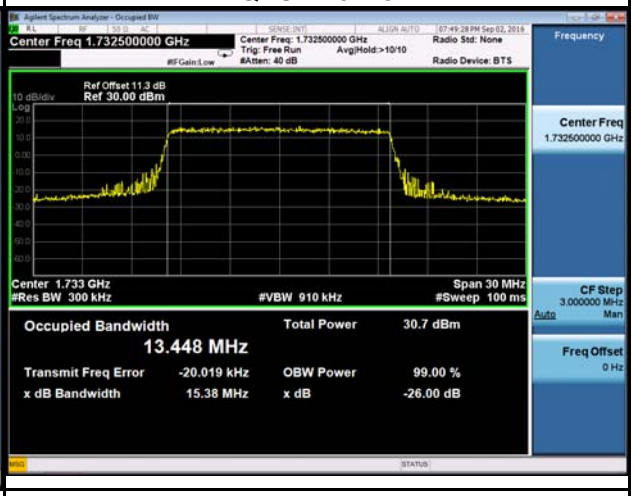
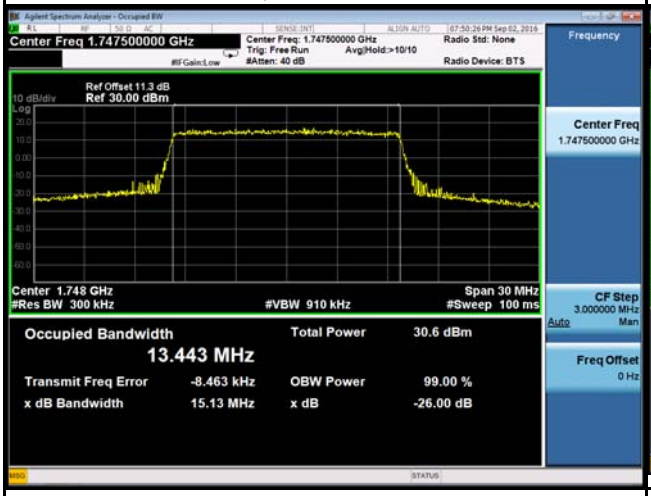
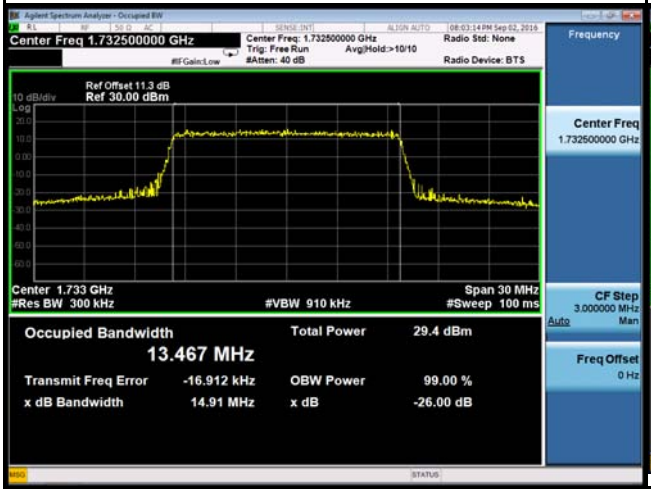
LTE Band 4_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
19975	1712.5	4.5375	19975	1712.5	4.5167
20175	1732.5	4.5206	20175	1732.5	4.5215
20375	1752.5	4.5179	20375	1752.5	4.5224
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
19975	1712.5	5.742	19975	1712.5	5.426
20175	1732.5	5.215	20175	1732.5	5.316
20375	1752.5	5.171	20375	1752.5	5173

Spectrum Plot	
QPSK-19975	QPSK-20175
	
QPSK-20375	16QAM-19975
	
16QAM-20175	16QAM-20375
	

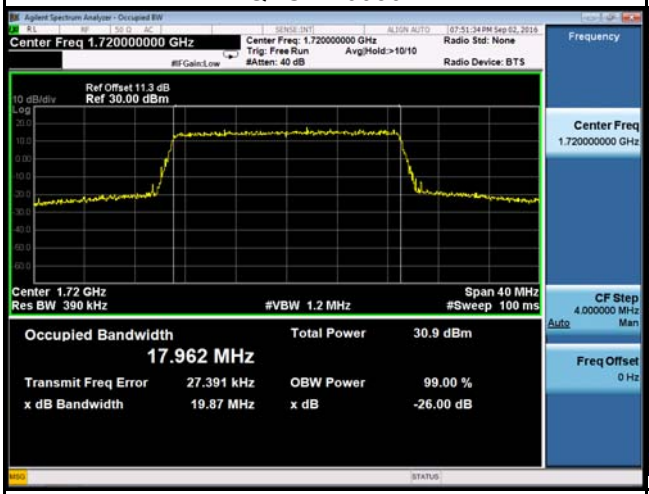
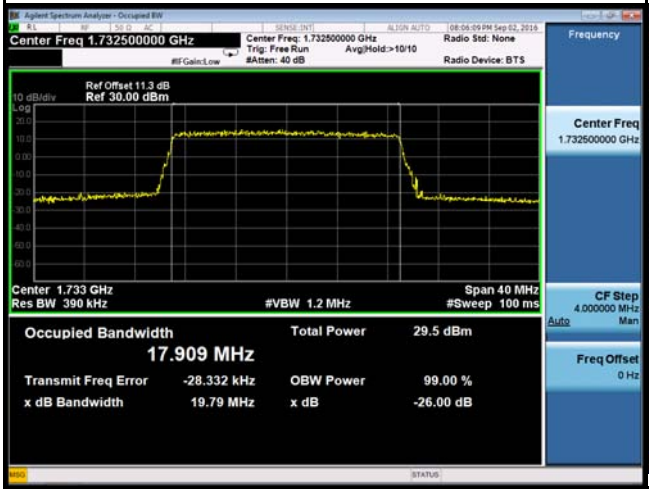
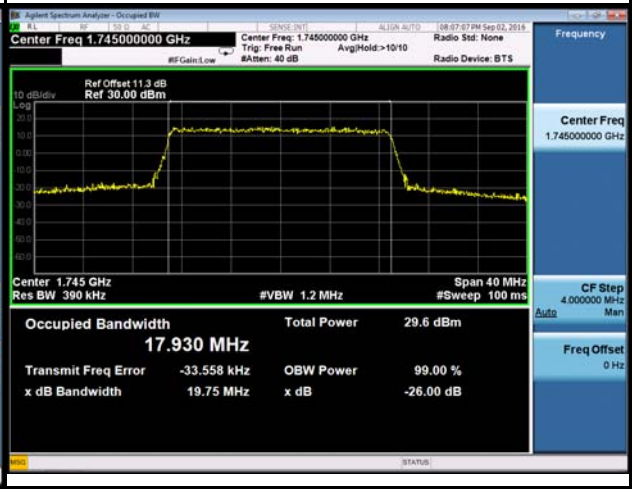
LTE Band 4_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20000	1715	9.0002	20000	1715	8.9980
20175	1732.5	8.9906	20175	1732.5	8.9785
20350	1750	9.0003	20350	1750	9.0015
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20000	1715	10.17	20000	1715	10.31
20175	1732.5	10.30	20175	1732.5	10.17
20350	1750	10.08	20350	1750	10.36

Spectrum Plot	
QPSK-20000	QPSK-20175
	
QPSK-20350	16QAM-20000
	
16QAM-20175	16QAM-20350
	

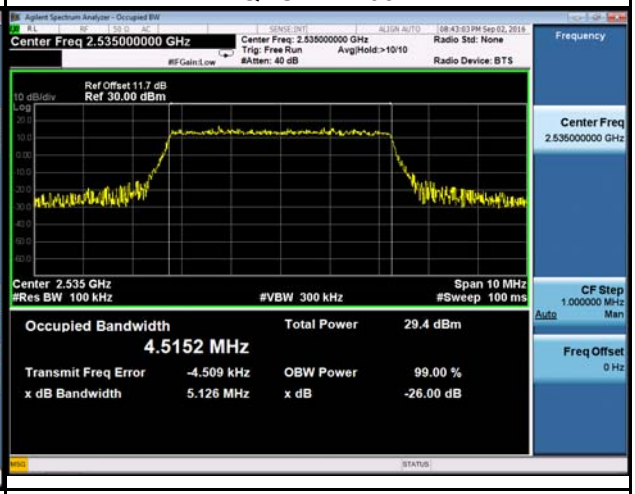
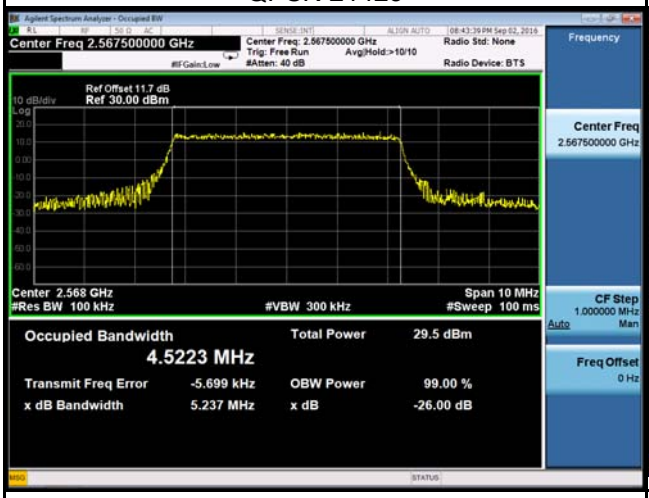
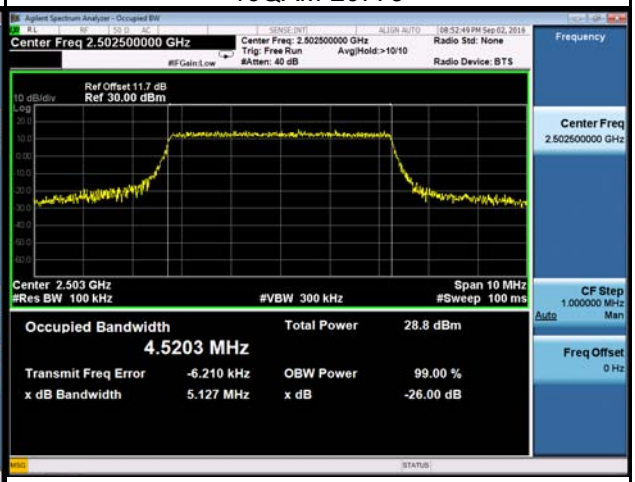
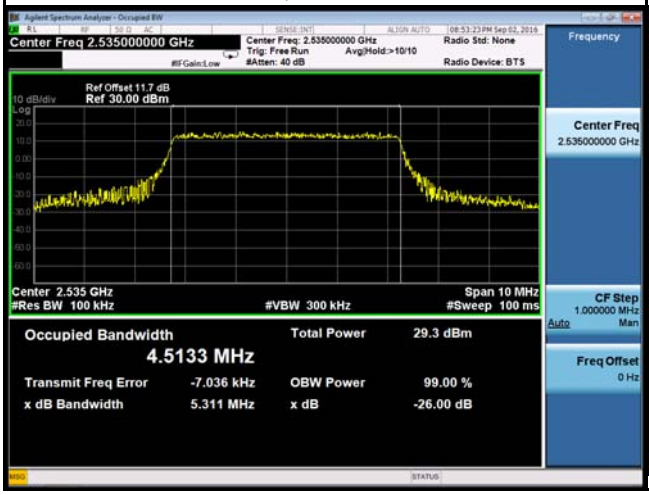
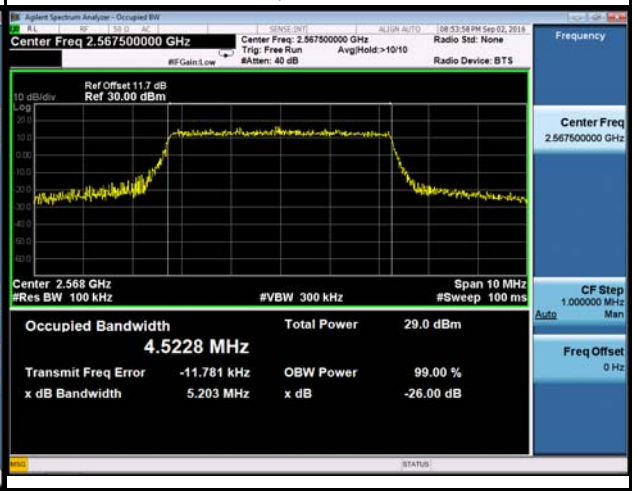
LTE Band 4_15M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20025	1717.5	13.477	20025	1717.5	13.467
20175	1732.5	13.448	20175	1732.5	13.467
20325	1747.5	13.443	20325	1747.5	13.455
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20025	1717.5	14.78	20025	1717.5	15.02
20175	1732.5	15.38	20175	1732.5	14.91
20325	1747.5	15.13	20325	1747.5	14.81

Spectrum Plot	
QPSK-20025	QPSK-20175
	
QPSK-20325	16QAM-20025
	
16QAM-20175	16QAM-20325
	

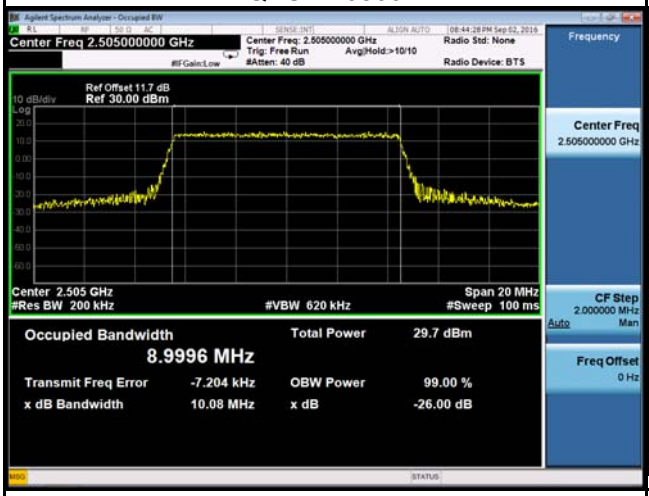
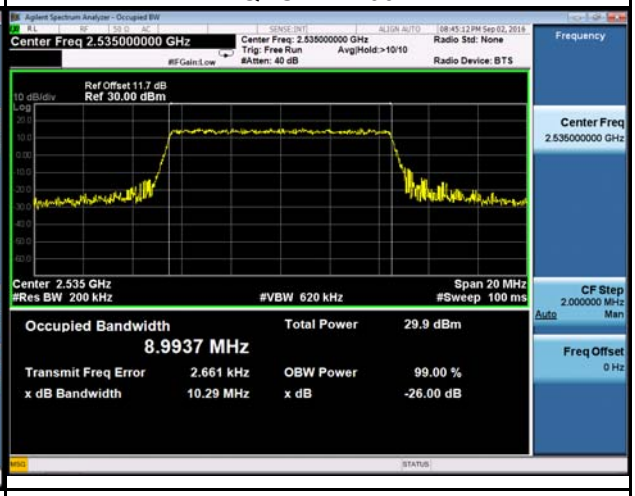
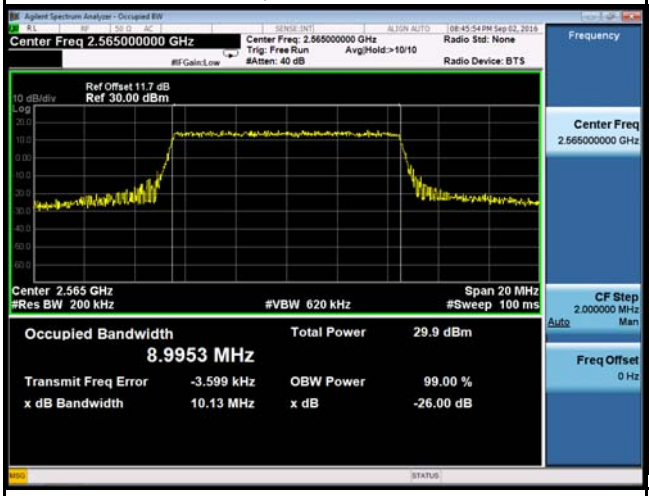
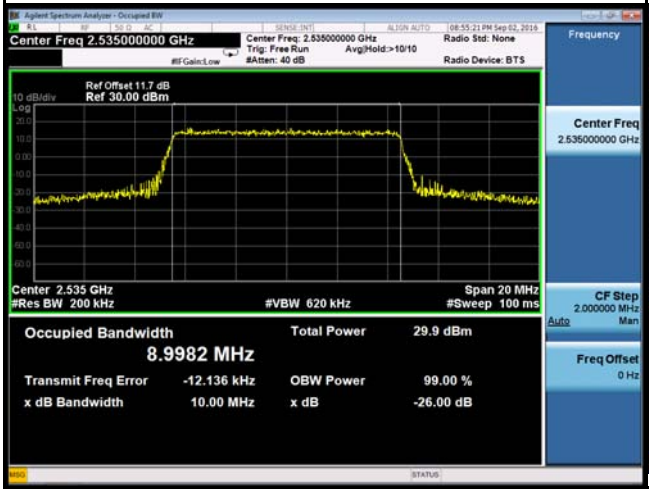
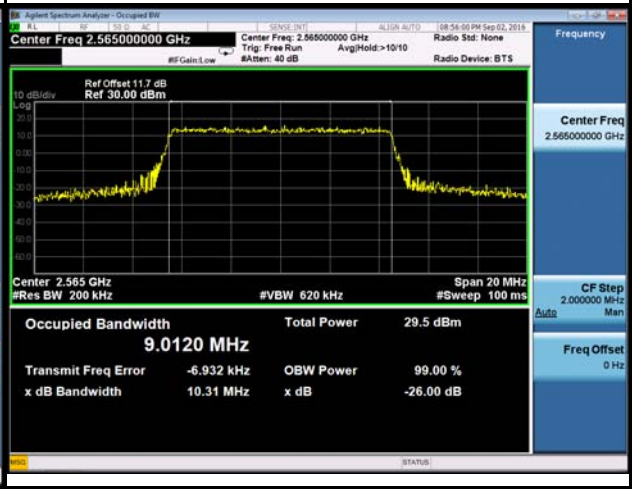
LTE Band 4_20M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20050	1720	17.962	20050	1720	17.968
20175	1732.5	17.929	20175	1732.5	17.909
20300	1745	17.949	20300	1745	17.930
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20050	1720	19.87	20050	1720	19.80
20175	1732.5	19.65	20175	1732.5	19.79
20300	1745	19.80	20300	1745	19.75

Spectrum Plot	
QPSK-20050	QPSK-20175
	
QPSK-20300	16QAM-20050
16QAM-20175	16QAM-20300
	

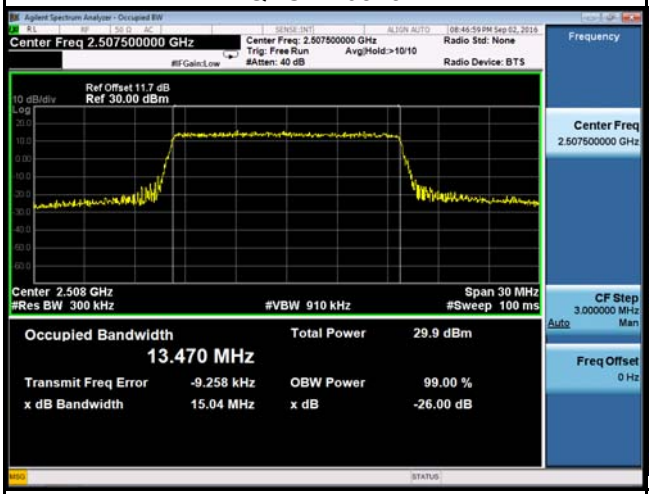
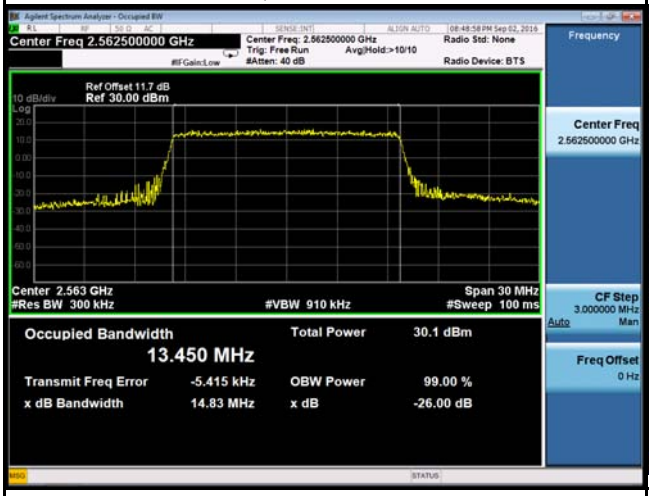
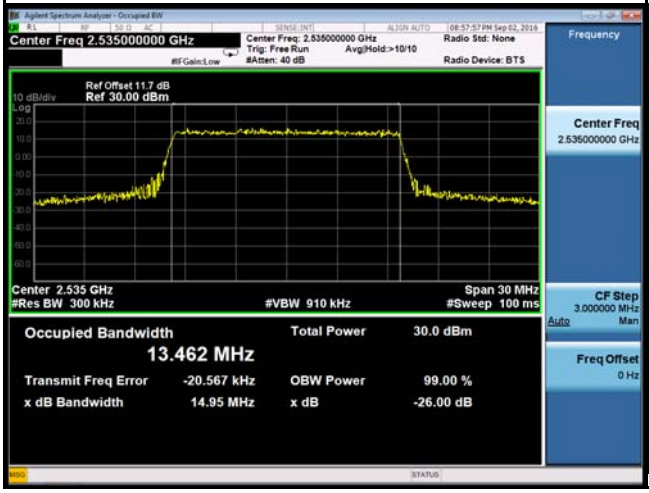
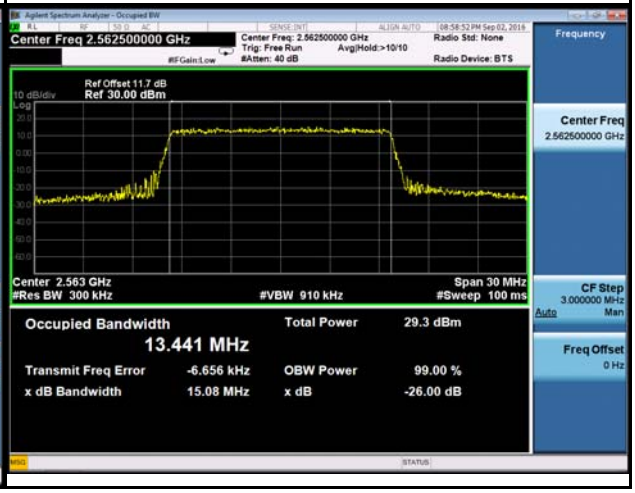
LTE Band 7_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20775	2502.5	4.5273	20775	2502.5	4.5203
21100	2535	4.5152	21100	2535	4.5133
21425	2567.5	4.5223	21425	2567.5	4.5228
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20775	2502.5	5.608	20775	2502.5	5.127
21100	2535	5.126	21100	2535	5.311
21425	2567.5	5.237	21425	2567.5	5.203

Spectrum Plot	
QPSK-20775	QPSK-21100
	
QPSK-21425	16QAM-20775
	
16QAM-21100	16QAM-21425
	

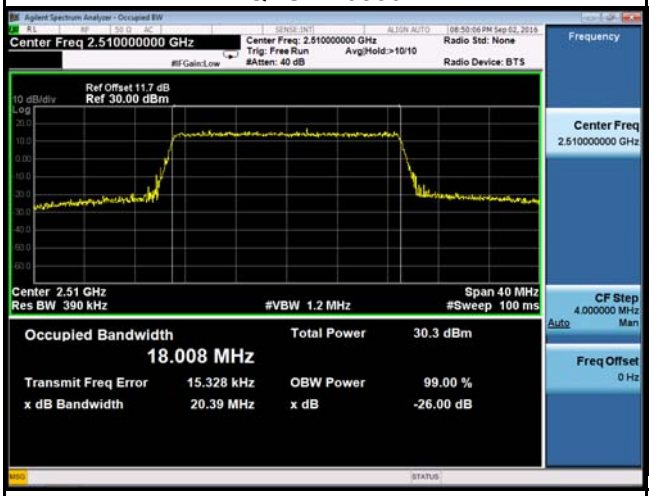
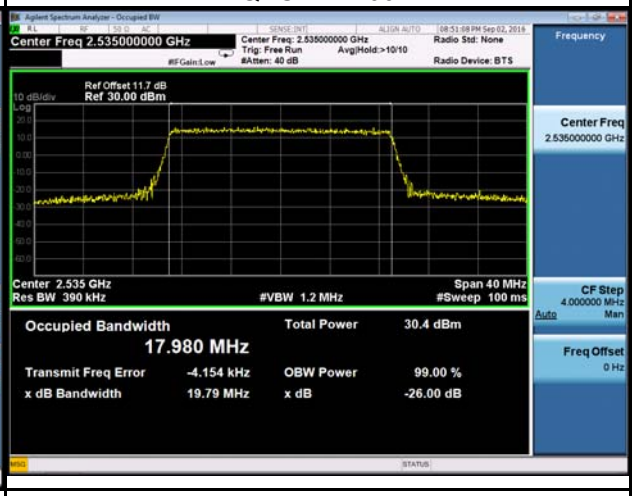
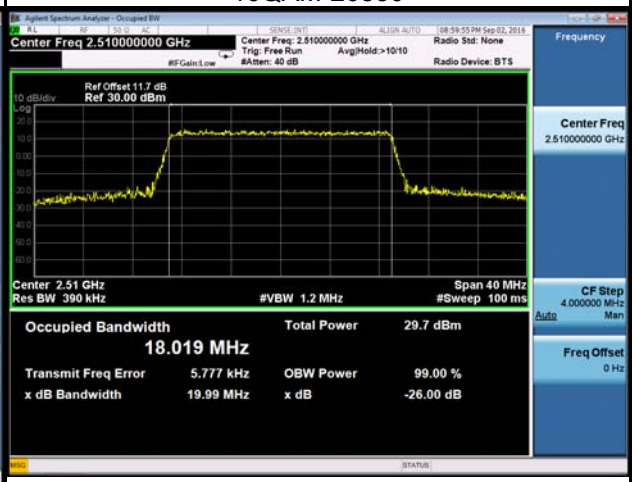
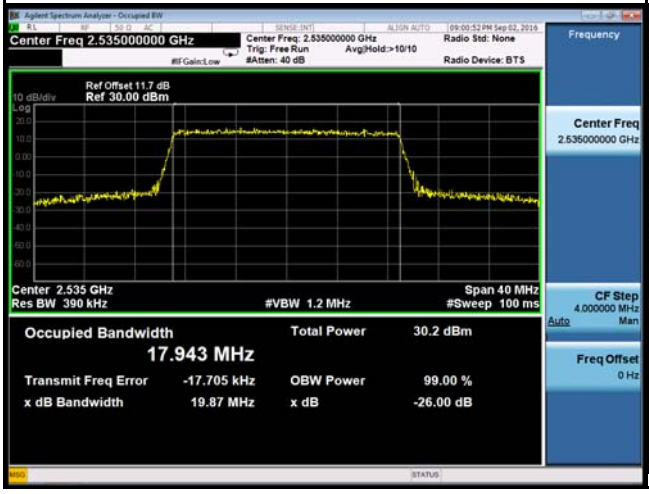
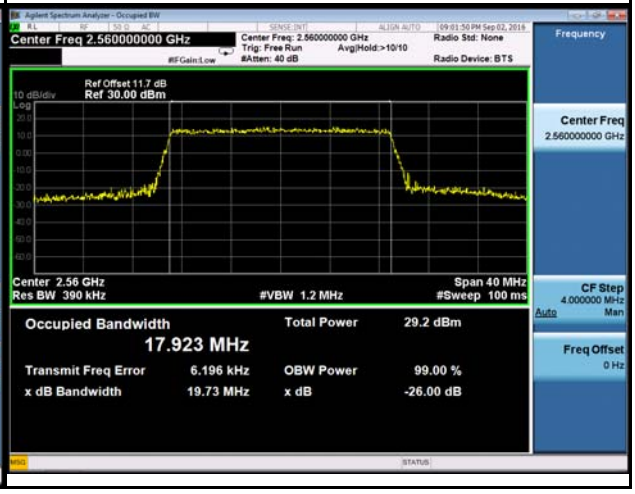
LTE Band 7_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20800	2505	8.9996	20800	2505	8.9860
21100	2535	8.9937	21100	2535	8.9982
21400	2565	8.9953	21400	2565	9.0120
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20800	2505	10.08	20800	2505	10.25
21100	2535	10.29	21100	2535	10.00
21400	2565	10.13	21400	2565	10.31

Spectrum Plot	
QPSK-20800	QPSK-21100
	
QPSK-21400	16QAM-20800
	
16QAM-21100	16QAM-21400
	

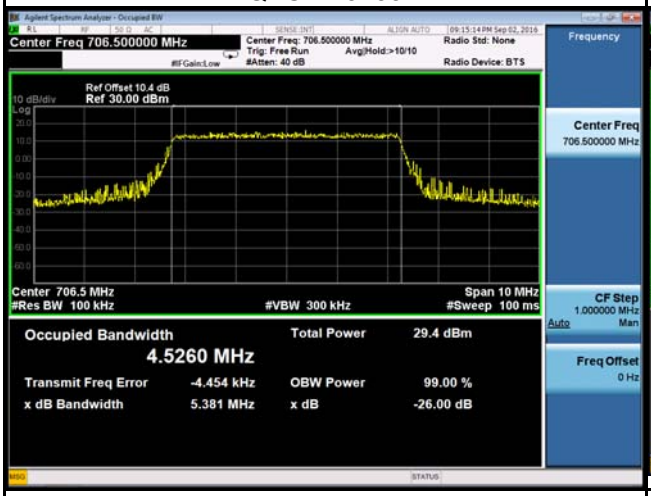
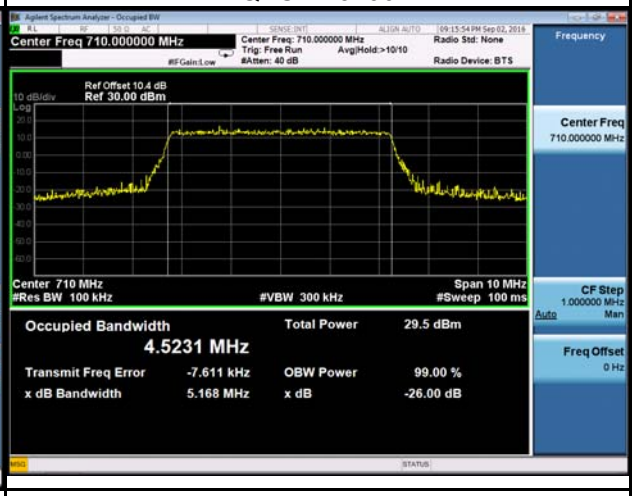
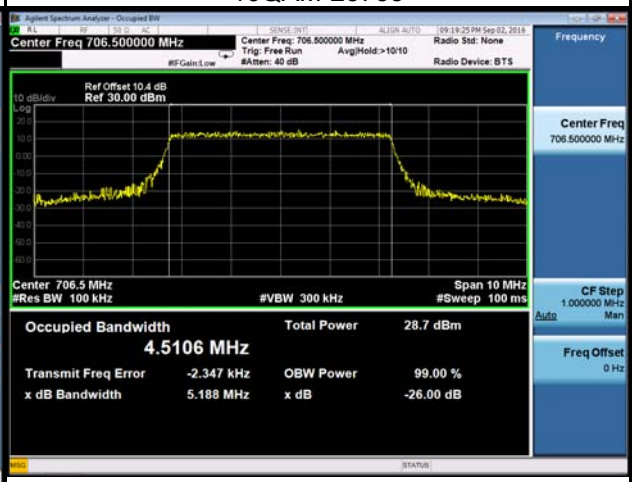
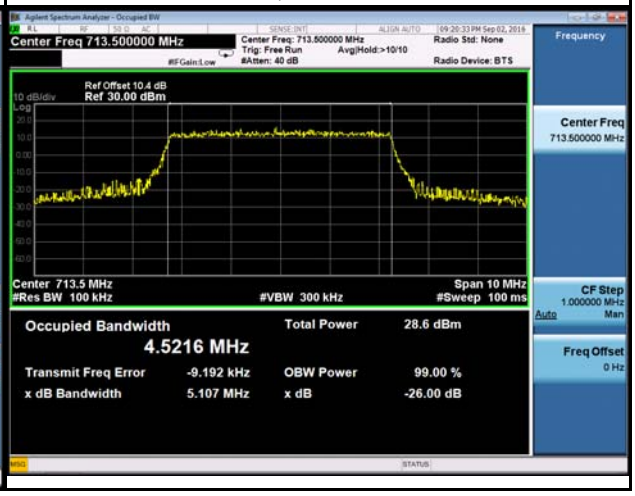
LTE Band 7_15M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20825	2507.5	13.470	20825	2507.5	13.469
21100	2535	13.480	21100	2535	13.462
21375	2562.5	13.450	21375	2562.5	13441
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20825	2507.5	15.04	20825	2507.5	15.09
21100	2535	15.20	21100	2535	14.95
21375	2562.5	14.83	21375	2562.5	15.08

Spectrum Plot	
QPSK-20825	QPSK-21100
	
QPSK-21375	16QAM-20825
	
16QAM-21100	16QAM-21375
	

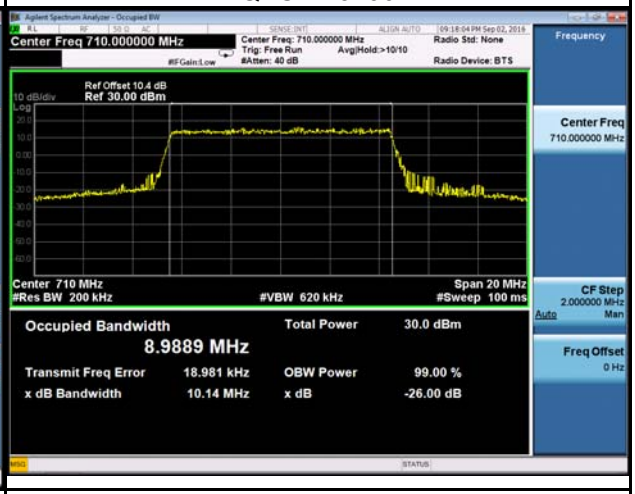
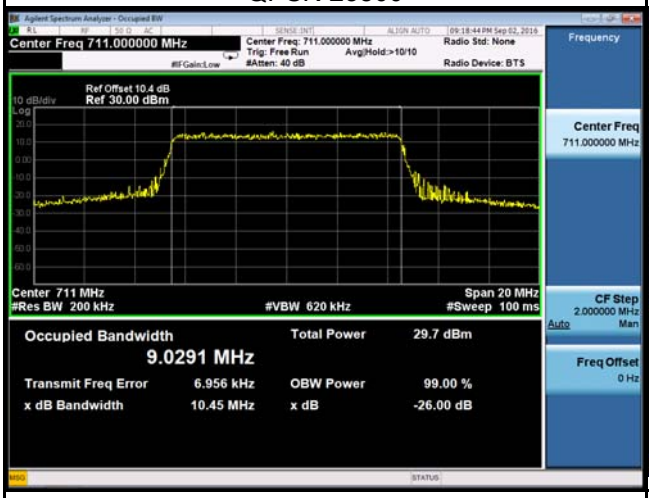
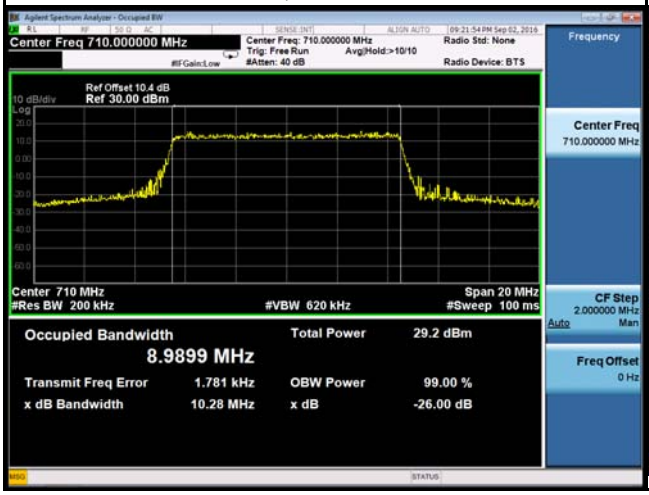
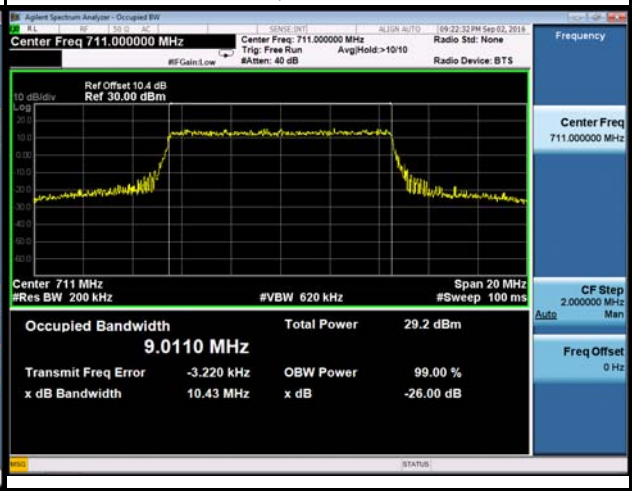
LTE Band 7_20M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20850	2510	18.008	20850	2510	18.019
21100	2535	17.980	21100	2535	17.943
21350	2560	17.943	21350	2560	17.923
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20850	2510	20.39	20850	2510	19.99
21100	2535	19.79	21100	2535	19.87
21350	2560	20.20	21350	2560	19.73

Spectrum Plot	
QPSK-20850	QPSK-21100
	
QPSK-21350	16QAM-20850
	
16QAM-21100	16QAM-21350
	

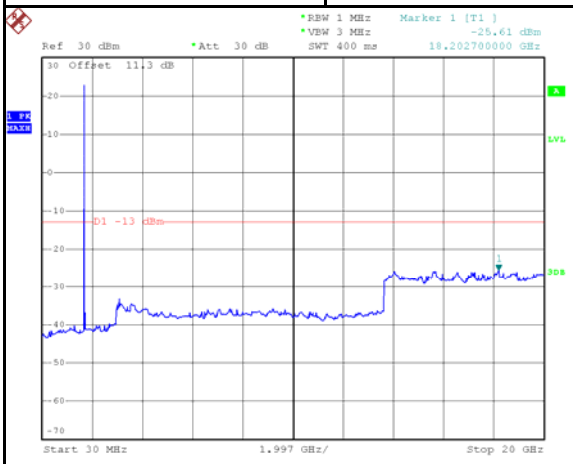
LTE Band 17_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23755	706.5	4.5260	23755	706.5	4.5106
23790	710.0	4.5231	23790	710.0	4.5140
23825	713.5	4.5125	23825	713.5	4.5216
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23755	706.5	5.381	23755	706.5	5.188
23790	710.0	5.168	23790	710.0	5.406
23825	713.5	5.211	23825	713.5	5.107

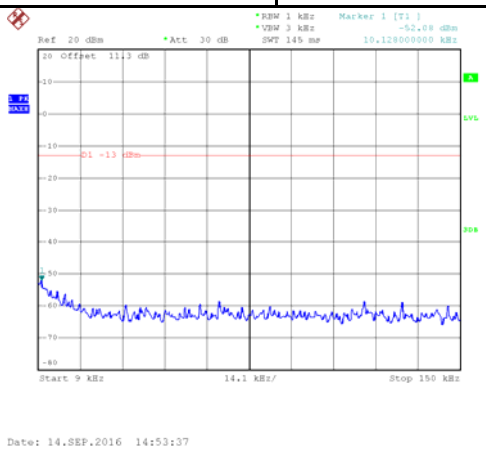
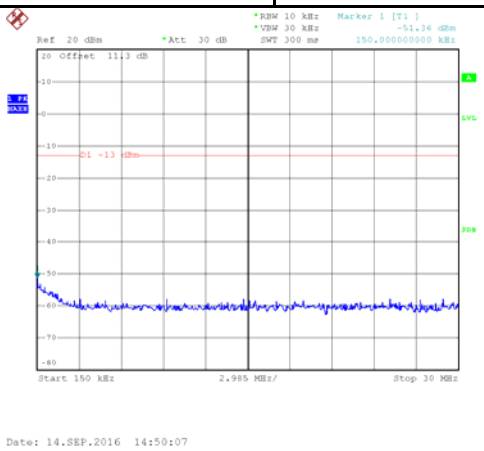
Spectrum Plot	
QPSK-23755	QPSK-23790
	
QPSK-23825	16QAM-23755
	
16QAM-23790	16QAM-23825
	

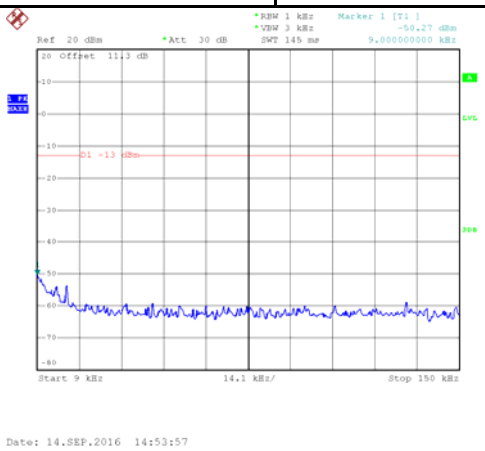
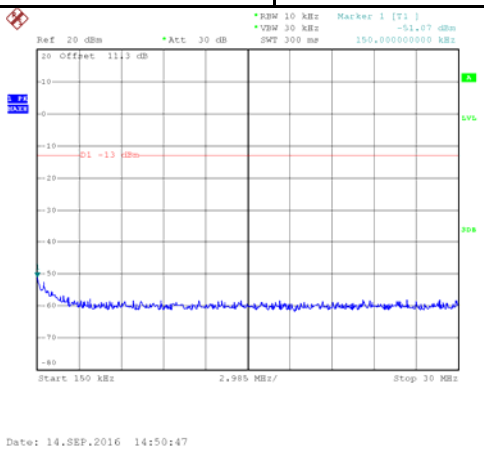
LTE Band 17_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
23780	709.0	9.0049	23780	709.0	9.0099
23790	710.0	8.9889	23790	710.0	8.9899
23800	711.0	9.0291	23800	711.0	9.0110
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
23780	709.0	10.10	23780	709.0	10.24
23790	710.0	10.14	23790	710.0	10.28
23800	711.0	10.45	23800	711.0	10.43

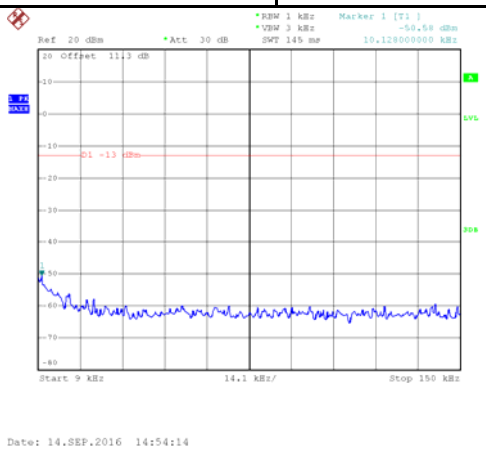
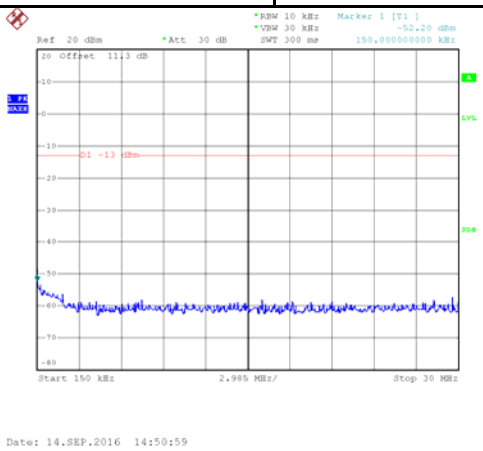
Spectrum Plot	
QPSK-23780	QPSK-23790
	
QPSK-23800	16QAM-13780
	
16QAM-23790	16QAM-23800
	

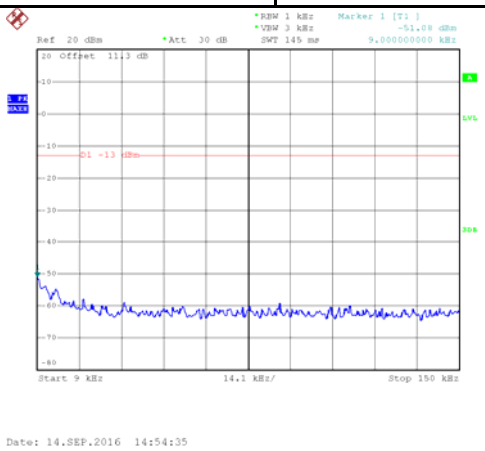
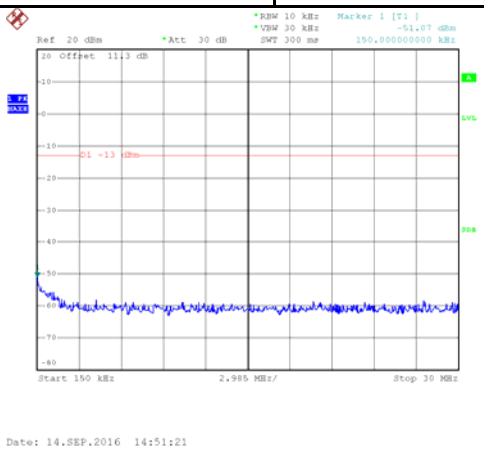
ATTACHMENT C - CONDUCTED EMISSIONS

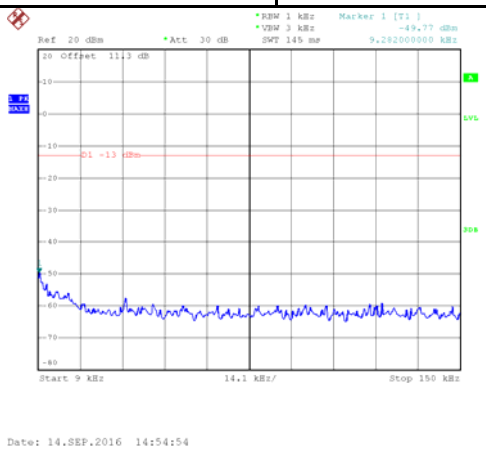
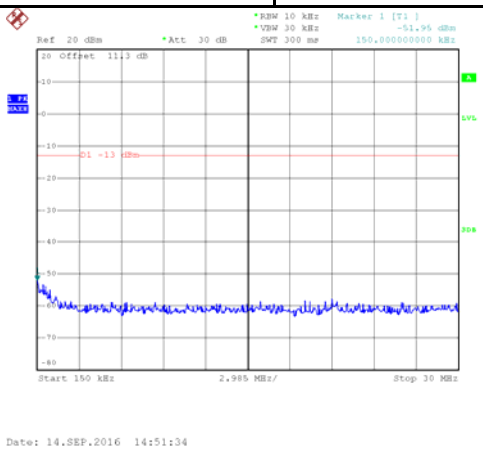
WCDMA Band 4			
Channel	Frequency(MHz)	-	-
1413	1732.6	-	-
	-		

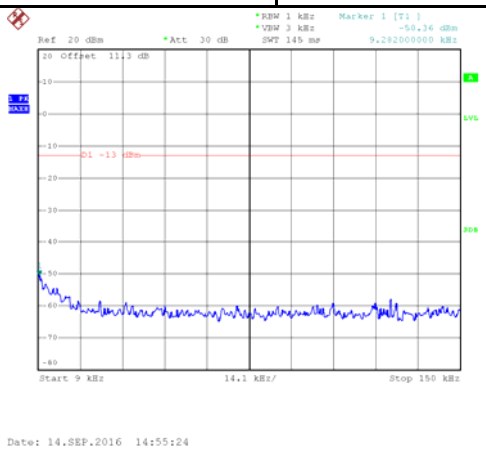
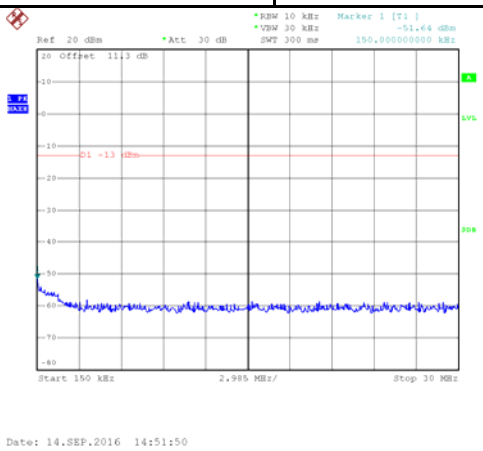
LTE Band 4_1.4M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

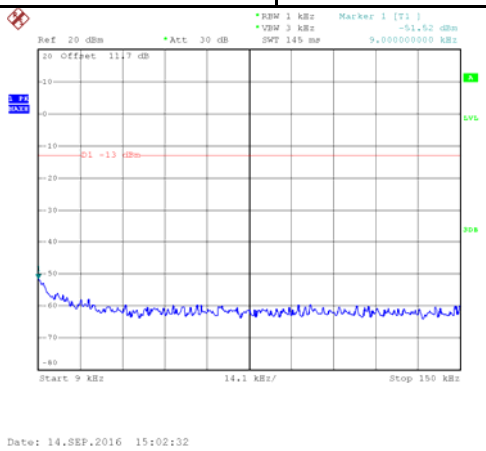
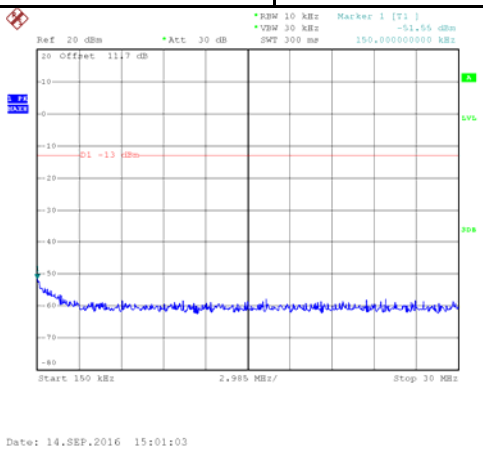
LTE Band 4_3M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

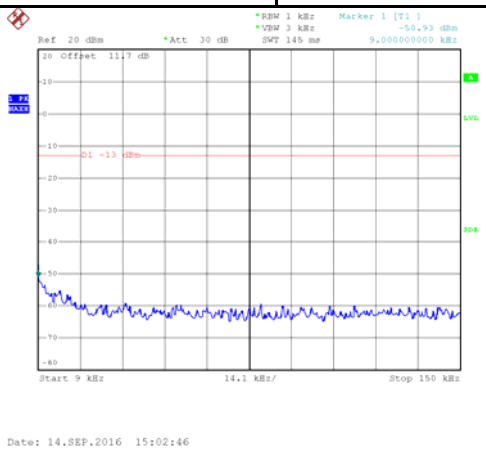
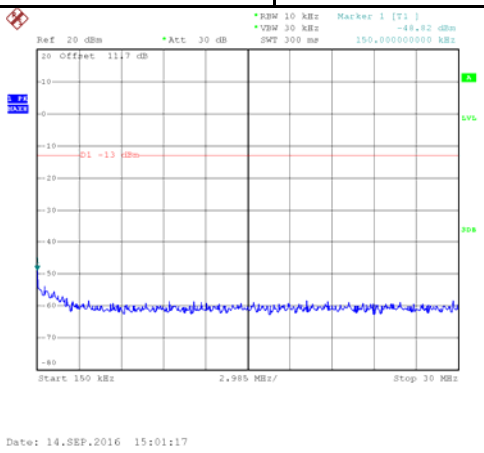
LTE Band 4_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

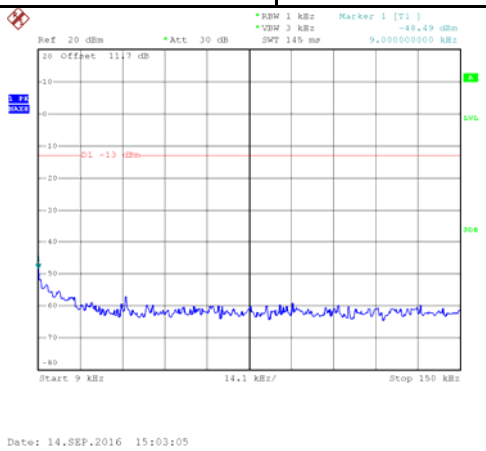
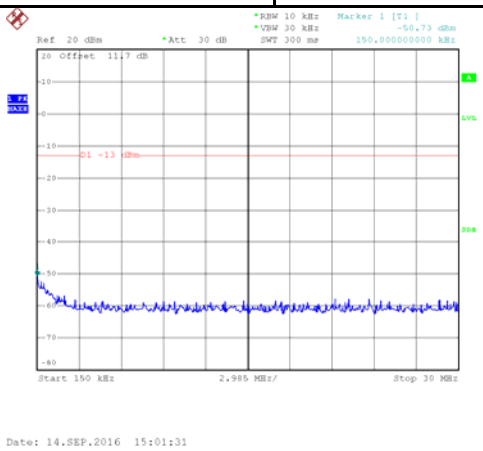
LTE Band 4_10M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

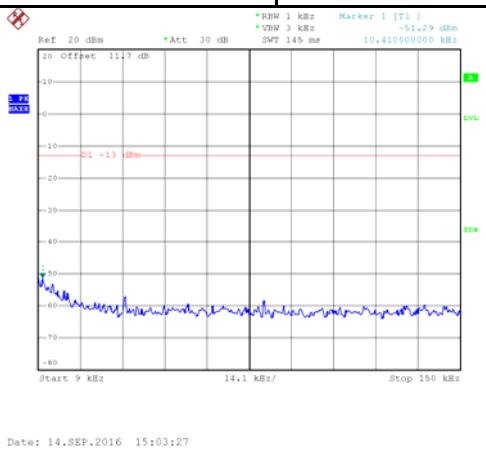
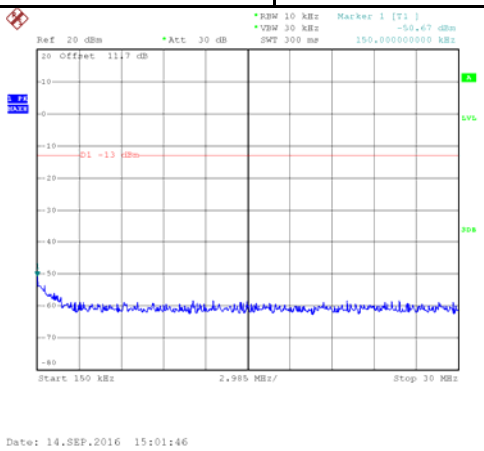
LTE Band 4_15M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

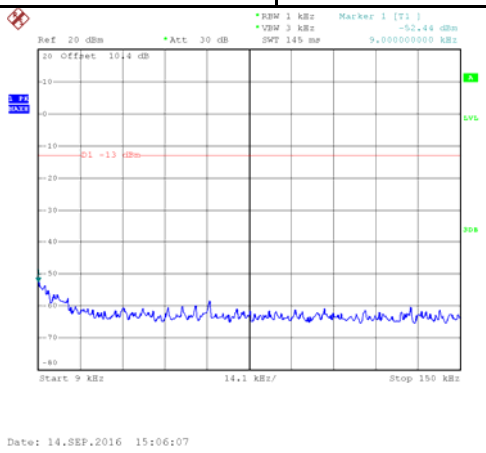
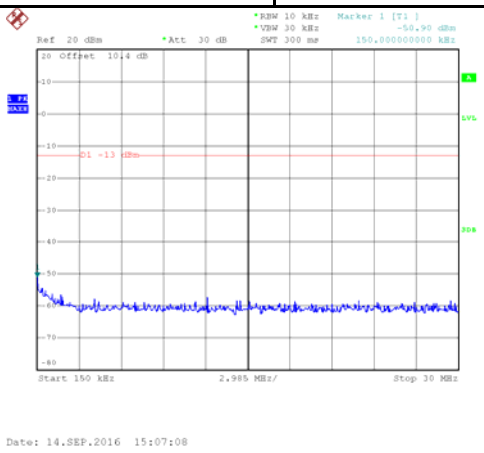
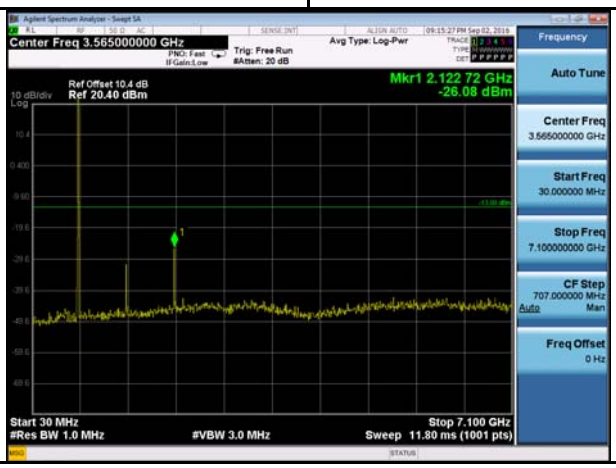
LTE Band 4_20M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20175	1732.5	20175	1732.5
			
Channel	Frequency(MHz)	-	-
20175	1732.5	-	-
		-	

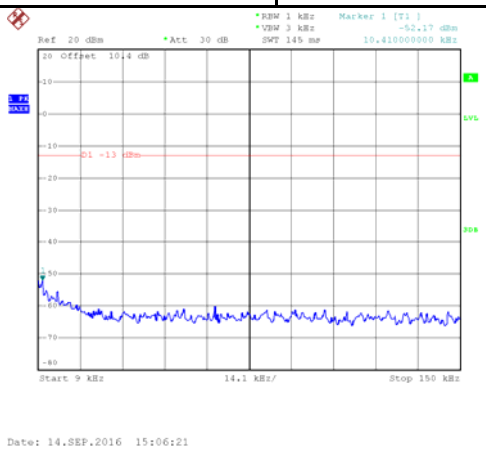
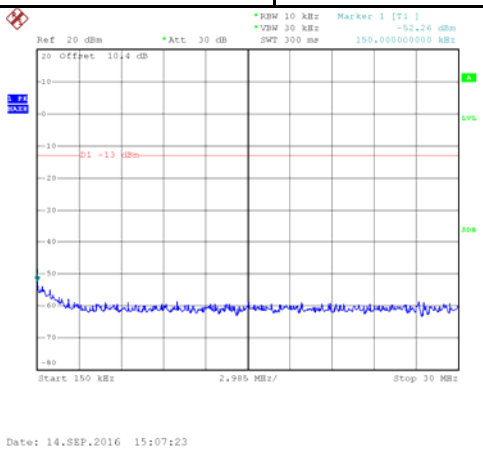
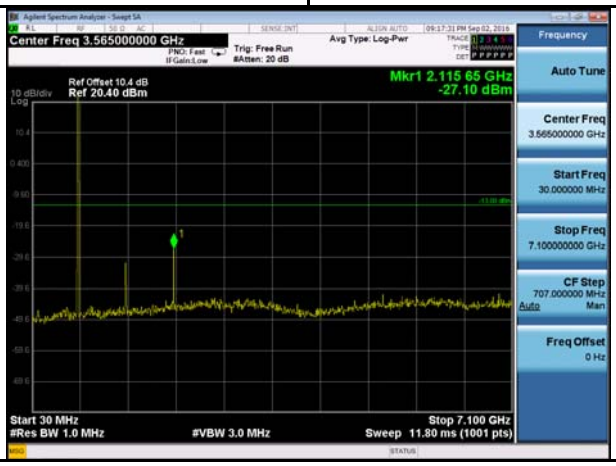
LTE Band 7_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
21100	2535	21100	2535
			
Channel	Frequency(MHz)	-	-
21100	2535	-	-
		-	

LTE Band 7_10M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
21100	2535	21100	2535
			
Channel	Frequency(MHz)	-	-
21100	2535	-	-
		-	

LTE Band 7_15M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
21100	2535	21100	2535
			
Channel	Frequency(MHz)	-	-
21100	2535	-	-
		-	

LTE Band 7_20M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
21100	2535	21100	2535
			
Channel	Frequency(MHz)	-	-
21100	2535	-	-
		-	

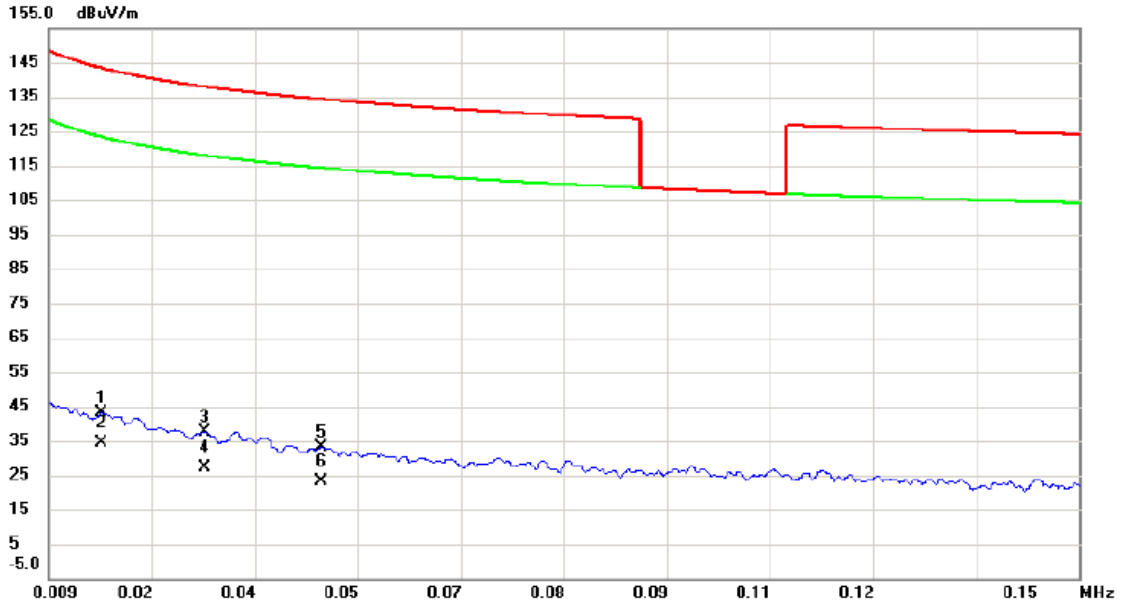
LTE Band 17_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23790	710.0	23790	710.0
			
Channel	Frequency(MHz)	-	-
23790	710.0	-	-
		-	

LTE Band 17_10M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
23790	710.0	23790	710.0
			
Channel	Frequency(MHz)	-	-
23790	710.0	-	-
		-	

ATTACHMENT D - RADIATED EMISSION

Test Mode:	TX Mode(Adapter: Phitek)

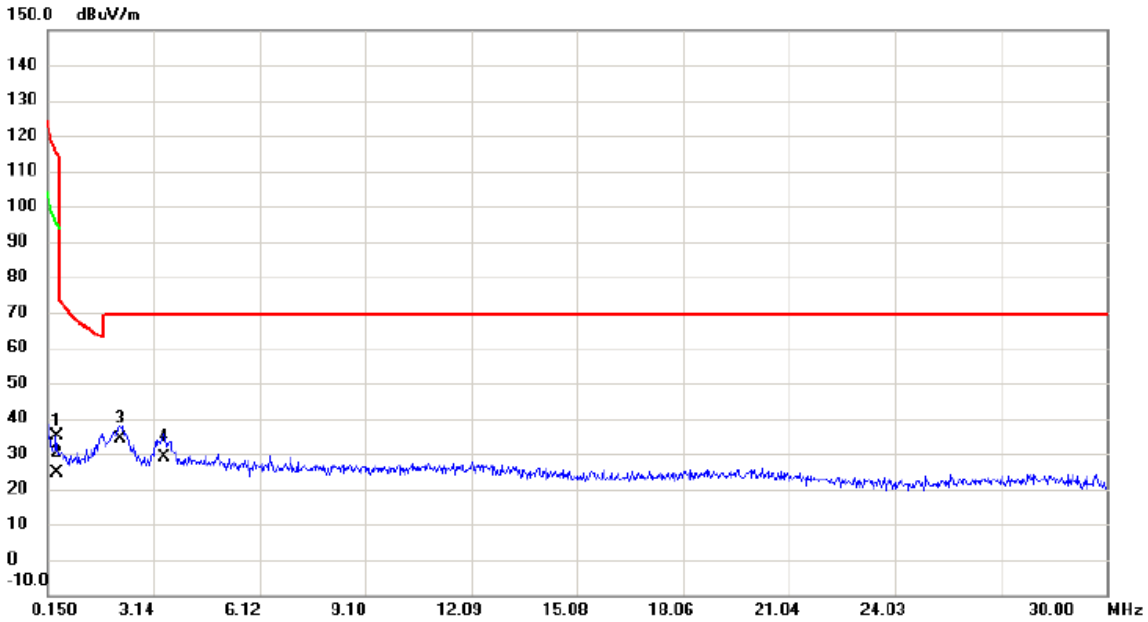
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0163	19.45	23.74	43.19	143.36	-100.17	peak	
2	*	0.0163	10.58	23.74	34.32	123.36	-89.04	AVG	
3		0.0304	15.36	22.24	37.60	137.95	-100.35	peak	
4		0.0304	4.88	22.24	27.12	117.95	-90.83	AVG	
5		0.0464	12.80	20.26	33.06	134.27	-101.21	peak	
6		0.0464	2.76	20.26	23.02	114.27	-91.25	AVG	

Test Mode:	TX Mode(Adapter: Phitek)

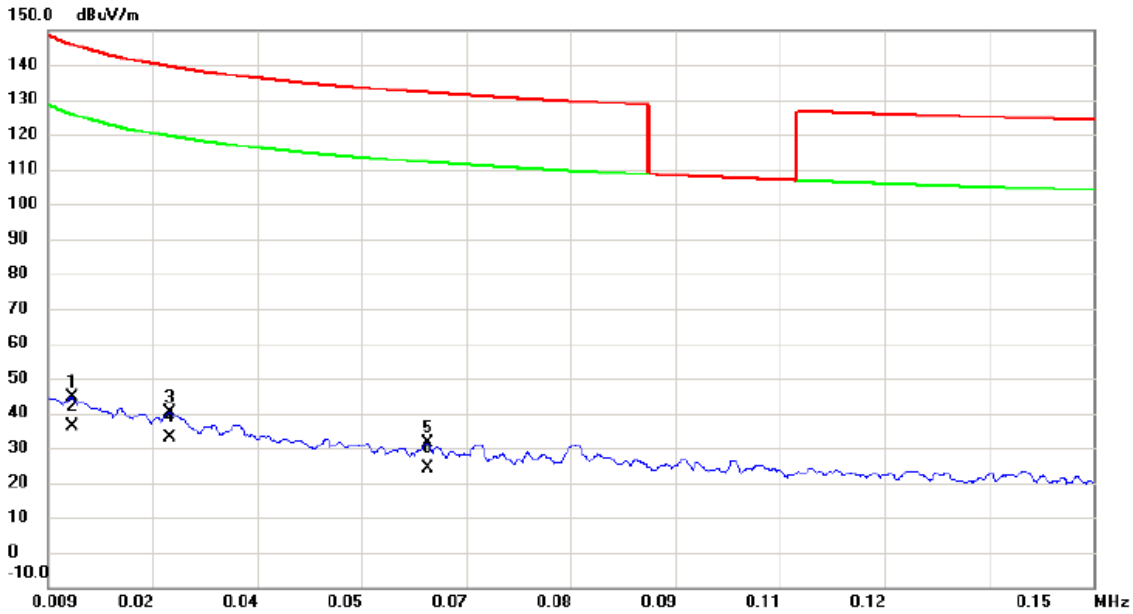
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4186	16.41	18.46	34.87	115.17	-80.30	peak	
2		0.4186	6.30	18.46	24.76	95.17	-70.41	AVG	
3	*	2.1947	16.55	17.66	34.21	69.54	-35.33	QP	
4		3.4483	11.56	17.58	29.14	69.54	-40.40	QP	

Test Mode:	TX Mode(Adapter: Phitek)

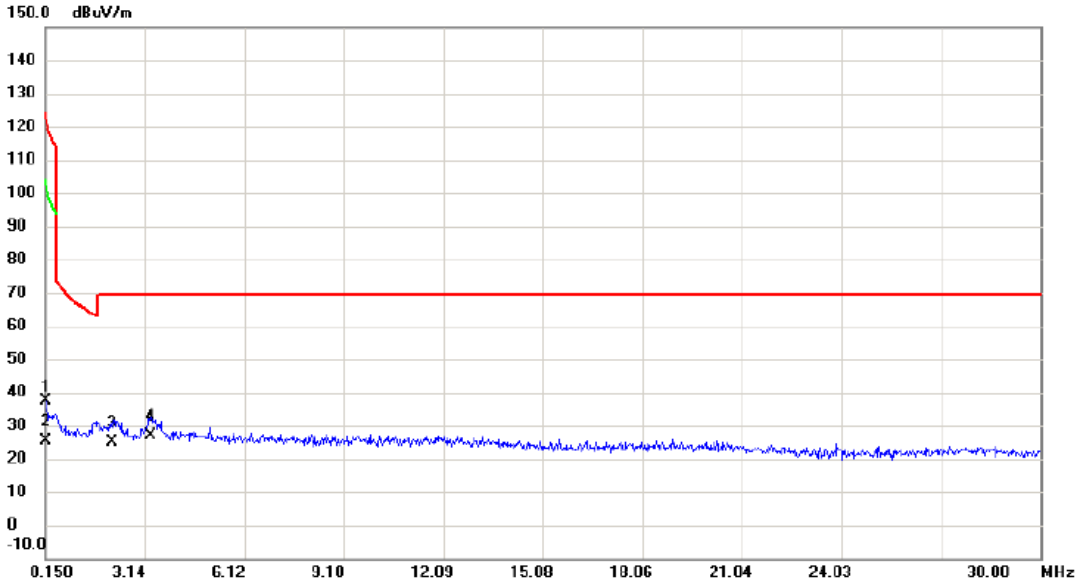
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0122	20.45	23.99	44.44	145.88	-101.44	peak	
2		0.0122	12.13	23.99	36.12	125.88	-89.76	AVG	
3		0.0255	17.28	22.84	40.12	139.47	-99.35	peak	
4	*	0.0255	10.18	22.84	33.02	119.47	-86.45	AVG	
5		0.0602	11.88	19.71	31.59	132.01	-100.42	peak	
6		0.0602	4.63	19.71	24.34	112.01	-87.67	AVG	

Test Mode:	TX Mode(Adapter: Phitek)

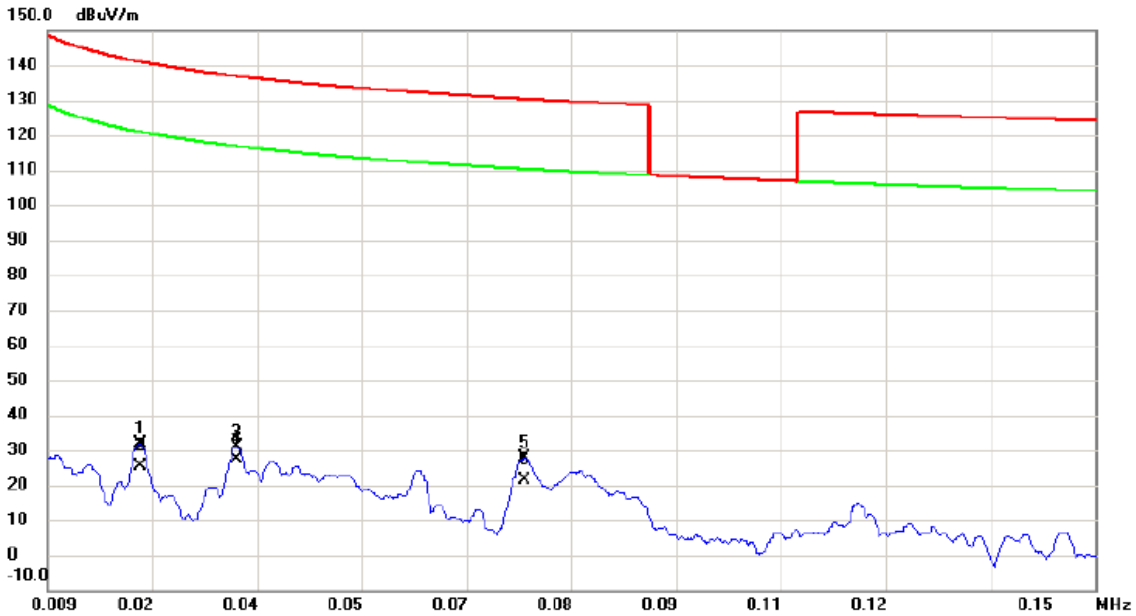
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1500	18.69	18.74	37.43	124.09	-86.66	peak	
2		0.1500	6.80	18.74	25.54	104.09	-78.55	AVG	
3		2.1650	7.11	17.70	24.81	69.54	-44.73	QP	
4	*	3.3290	9.81	17.33	27.14	69.54	-42.40	QP	

Test Mode:	TX Mode (Adapter: Huntkey)

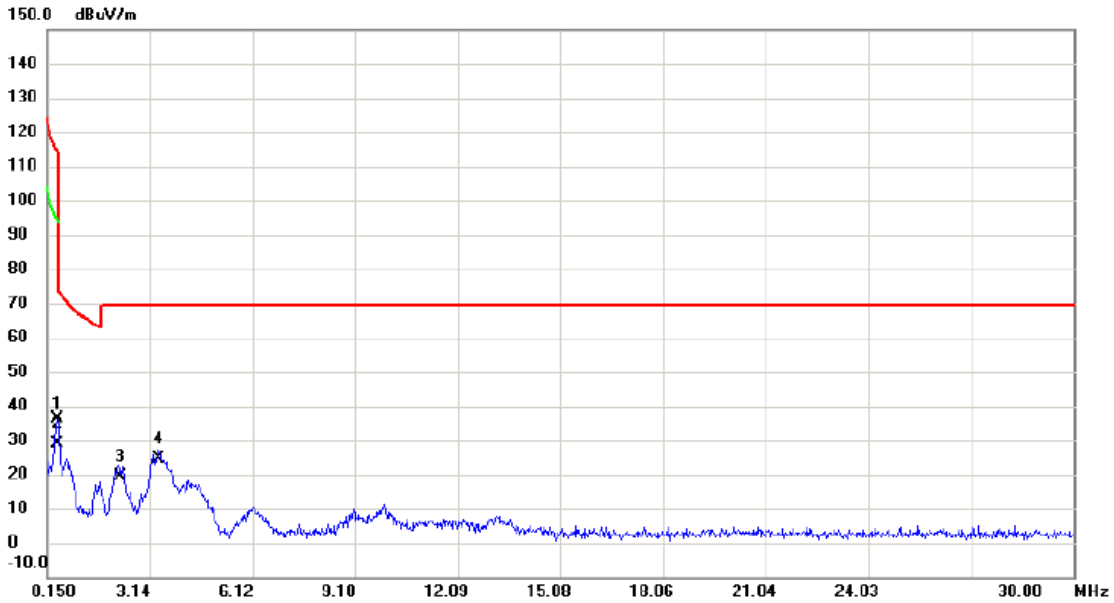
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0215	8.30	23.34	31.64	140.96	-109.32	peak	
2		0.0215	2.09	23.34	25.43	120.96	-95.53	AVG	
3		0.0345	9.42	21.73	31.15	136.85	-105.70	peak	
4		0.0345	5.60	21.73	27.33	116.85	-89.52	AVG	
5		0.0732	8.45	19.55	28.00	130.31	-102.31	peak	
6	*	0.0732	1.95	19.55	21.50	110.31	-88.81	AVG	

Test Mode:	TX Mode (Adapter: Huntkey)

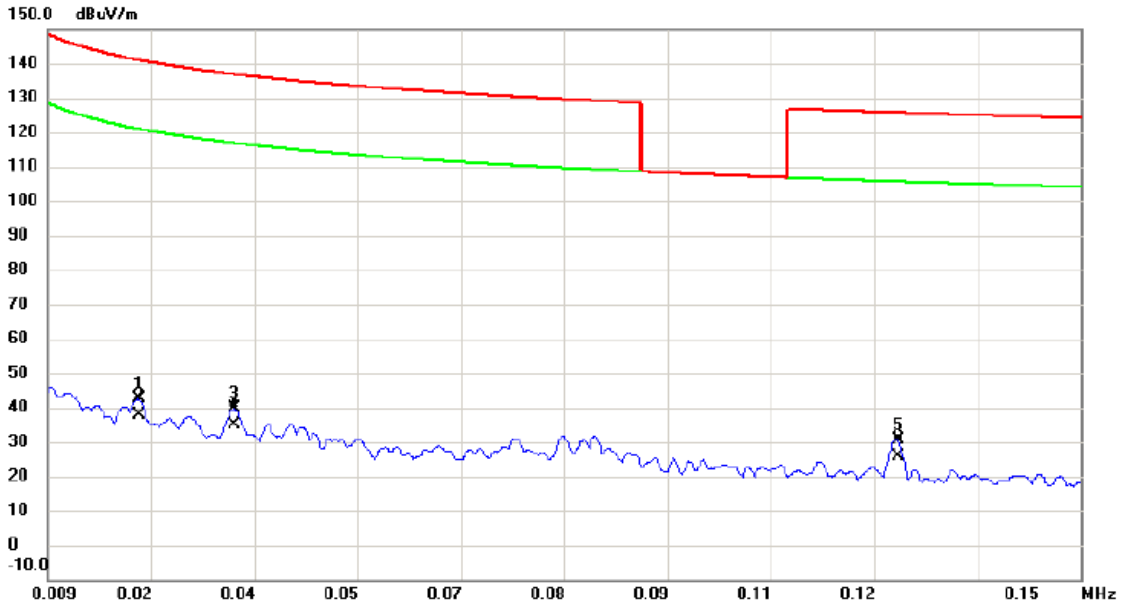
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4485	17.93	18.43	36.36	114.57	-78.21	peak	
2		0.4485	10.75	18.43	29.18	94.57	-65.39	AVG	
3		2.2694	1.93	17.56	19.49	69.54	-50.05	QP	
4	*	3.3887	7.04	17.46	24.50	69.54	-45.04	QP	

Test Mode:	TX Mode (Adapter: Huntkey)

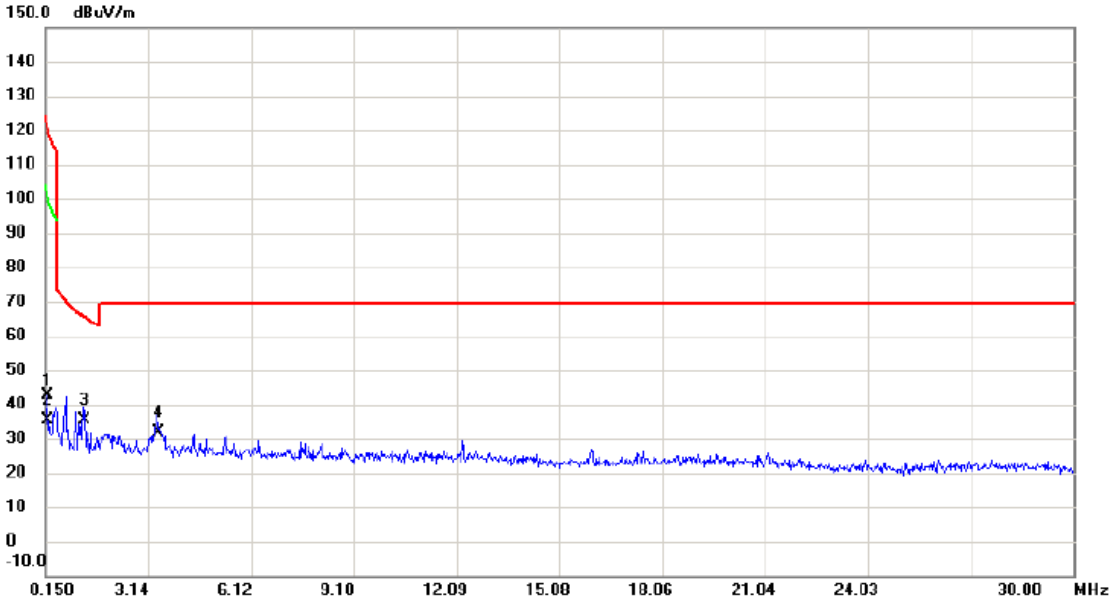
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0215	19.10	23.34	42.44	140.96	-98.52	peak	
2		0.0215	14.36	23.34	37.70	120.96	-83.26	AVG	
3		0.0345	17.88	21.73	39.61	136.85	-97.24	peak	
4		0.0345	13.13	21.73	34.86	116.85	-81.99	AVG	
5		0.1250	12.19	18.59	30.78	125.67	-94.89	peak	
6	*	0.1250	7.26	18.59	25.85	105.67	-79.82	AVG	

Test Mode:	TX Mode (Adapter: Huntkey)

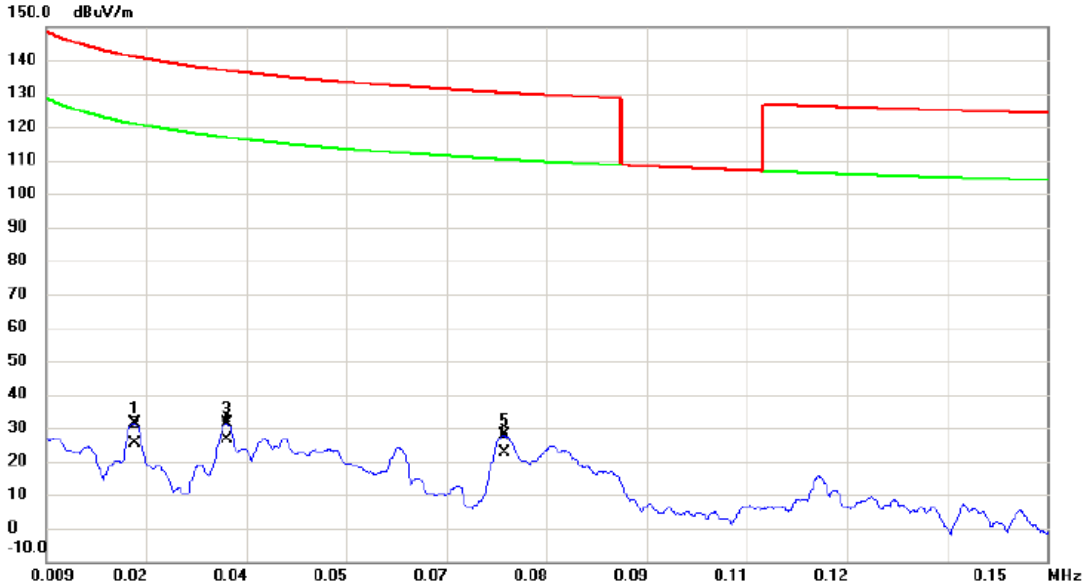
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1948	23.92	18.70	42.62	121.81	-79.19	peak	
2		0.1948	16.61	18.70	35.31	101.81	-66.50	AVG	
3	*	1.2694	17.72	17.74	35.46	65.53	-30.07	QP	
4		3.4186	14.41	17.52	31.93	69.54	-37.61	QP	

Test Mode:	TX Mode (Adapter: BYD)

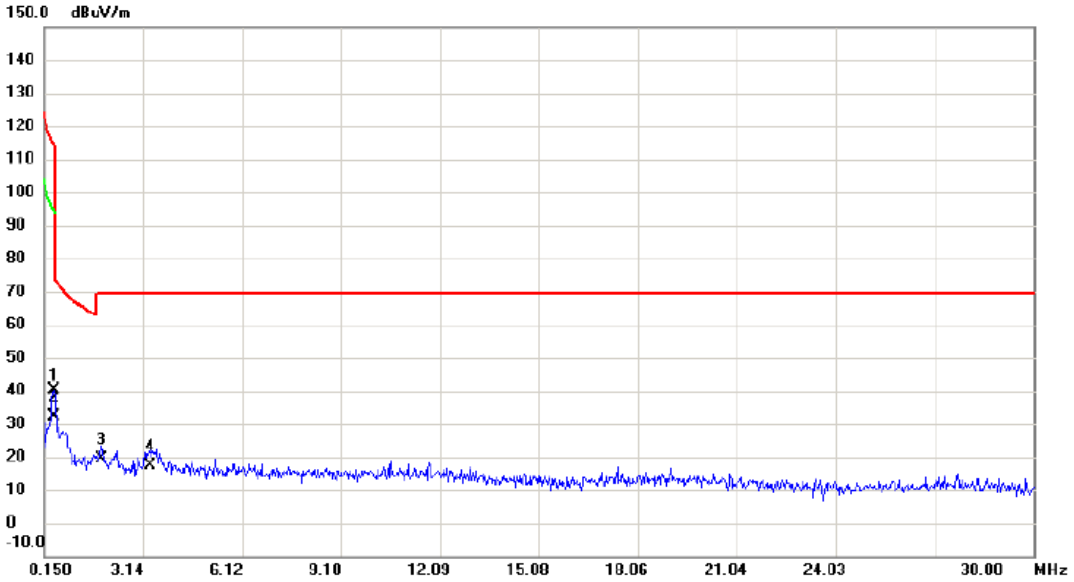
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0215	8.18	23.34	31.52	140.96	-109.44	peak	
2		0.0215	2.18	23.34	25.52	120.96	-95.44	AVG	
3		0.0345	9.61	21.73	31.34	136.85	-105.51	peak	
4		0.0345	5.03	21.73	26.76	116.85	-90.09	AVG	
5		0.0735	8.37	19.55	27.92	130.28	-102.36	peak	
6	*	0.0735	3.22	19.55	22.77	110.28	-87.51	AVG	

Test Mode:	TX Mode (Adapter: BYD)

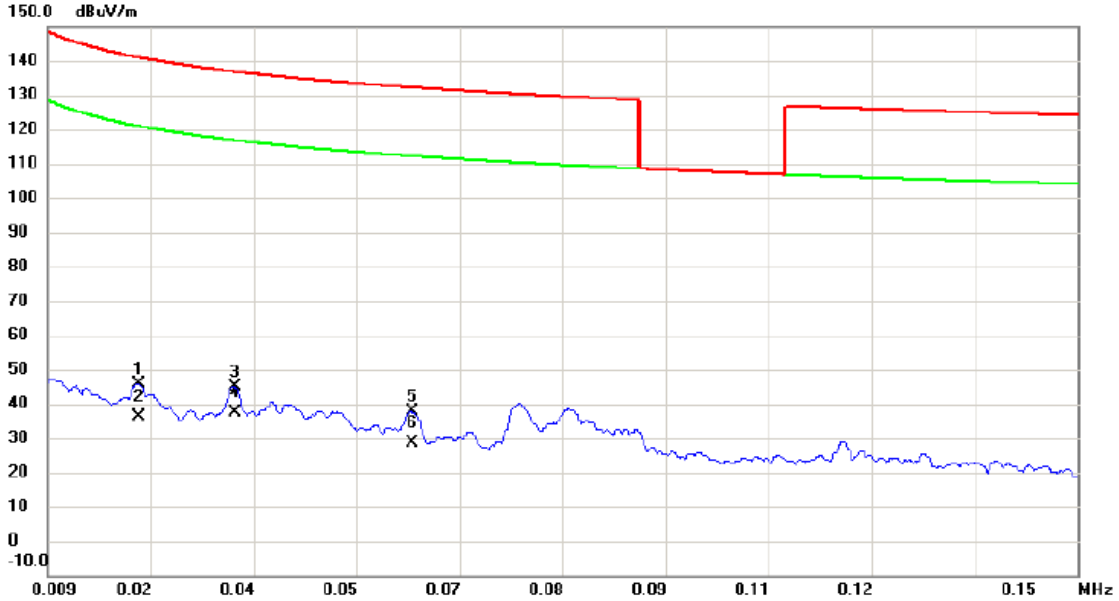
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4634	21.74	18.41	40.15	114.28	-74.13	peak	
2		0.4634	13.84	18.41	32.25	94.28	-62.03	AVG	
3	*	1.8962	1.42	17.88	19.30	69.54	-50.24	QP	
4		3.3440	-0.14	17.36	17.22	69.54	-52.32	QP	

Test Mode:	TX Mode (Adapter: BYD)

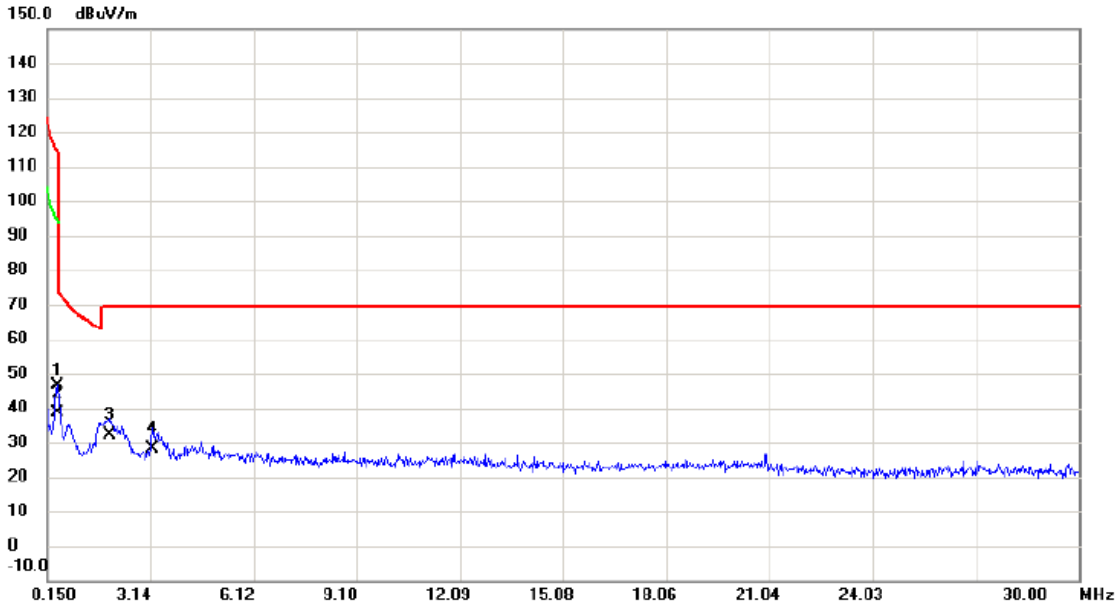
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0215	22.62	23.34	45.96	140.96	-95.00	peak	
2		0.0215	13.05	23.34	36.39	120.96	-84.57	AVG	
3		0.0346	23.40	21.72	45.12	136.82	-91.70	peak	
4	*	0.0346	15.72	21.72	37.44	116.82	-79.38	AVG	
5		0.0590	17.95	19.72	37.67	132.19	-94.52	peak	
6		0.0590	8.98	19.72	28.70	112.19	-83.49	AVG	

Test Mode:	TX Mode (Adapter: BYD)

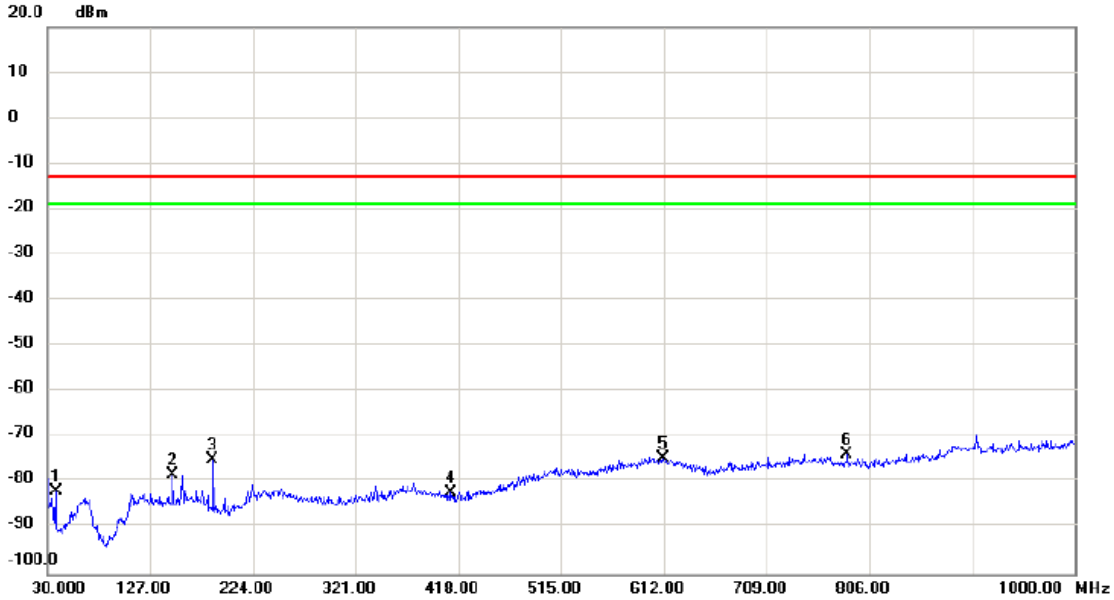
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.4485	28.29	18.43	46.72	114.57	-67.85	peak	
2		0.4485	20.22	18.43	38.65	94.57	-55.92	AVG	
3	*	1.9410	14.25	17.89	32.14	69.54	-37.40	QP	
4		3.2096	11.27	17.08	28.35	69.54	-41.19	QP	

Test Mode:	WCDMA Band 4_TX 1738_WCDMA

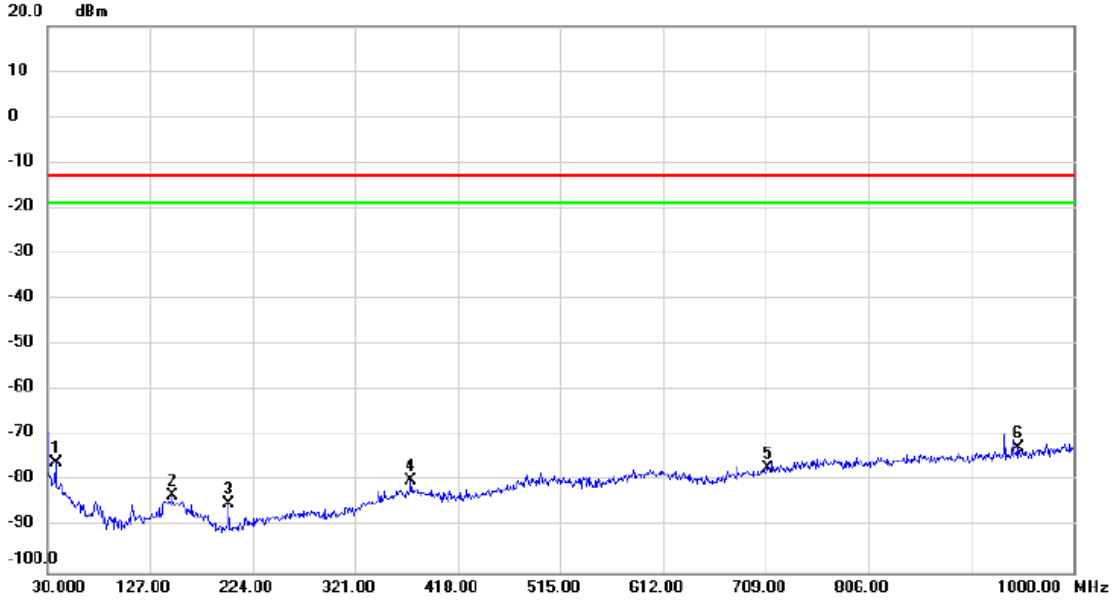
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		38.2450	-71.99	-9.71	-81.70	-13.00	-68.70	peak	
2		148.3400	-75.42	-2.81	-78.23	-13.00	-65.23	peak	
3		186.1700	-70.90	-4.05	-74.95	-13.00	-61.95	peak	
4		410.2400	-80.36	-1.91	-82.27	-13.00	-69.27	peak	
5		611.0300	-79.70	5.08	-74.62	-13.00	-61.62	peak	
6	*	785.1450	-78.76	5.14	-73.62	-13.00	-60.62	peak	

Test Mode:	WCDMA Band 4_TX 1738_WCDMA

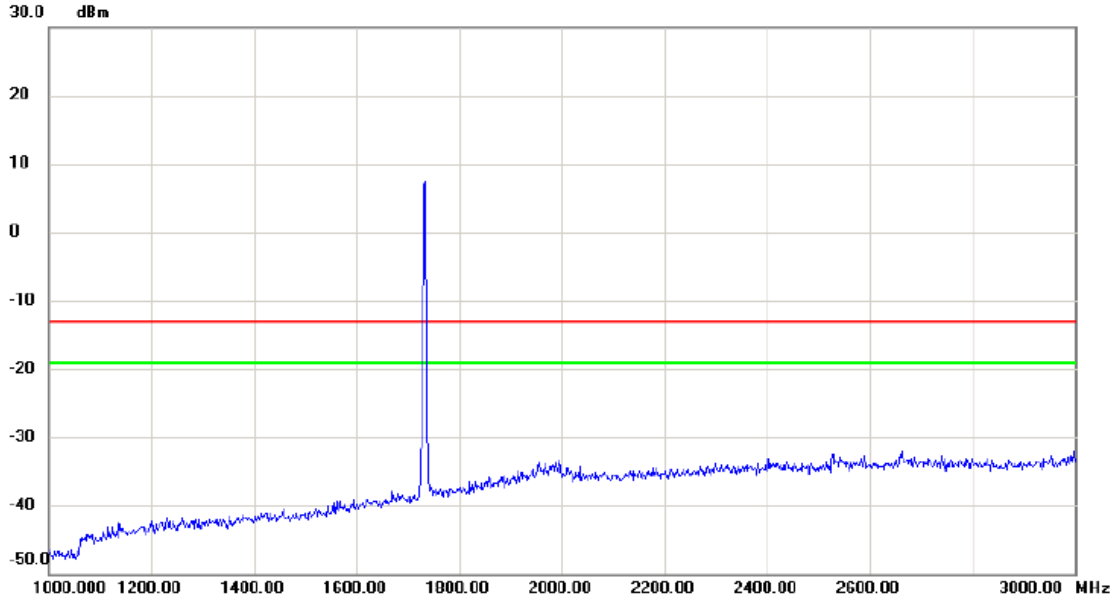
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		38.2450	-76.22	0.51	-75.71	-13.00	-62.71	peak	
2		148.8250	-77.31	-5.64	-82.95	-13.00	-69.95	peak	
3		201.6900	-76.42	-8.28	-84.70	-13.00	-71.70	peak	
4		373.3800	-79.09	-0.62	-79.71	-13.00	-66.71	peak	
5		710.9400	-80.03	3.00	-77.03	-13.00	-64.03	peak	
6	*	947.6200	-79.37	6.94	-72.43	-13.00	-59.43	peak	

Test Mode:	WCDMA Band 4_TX 1738_WCDMA

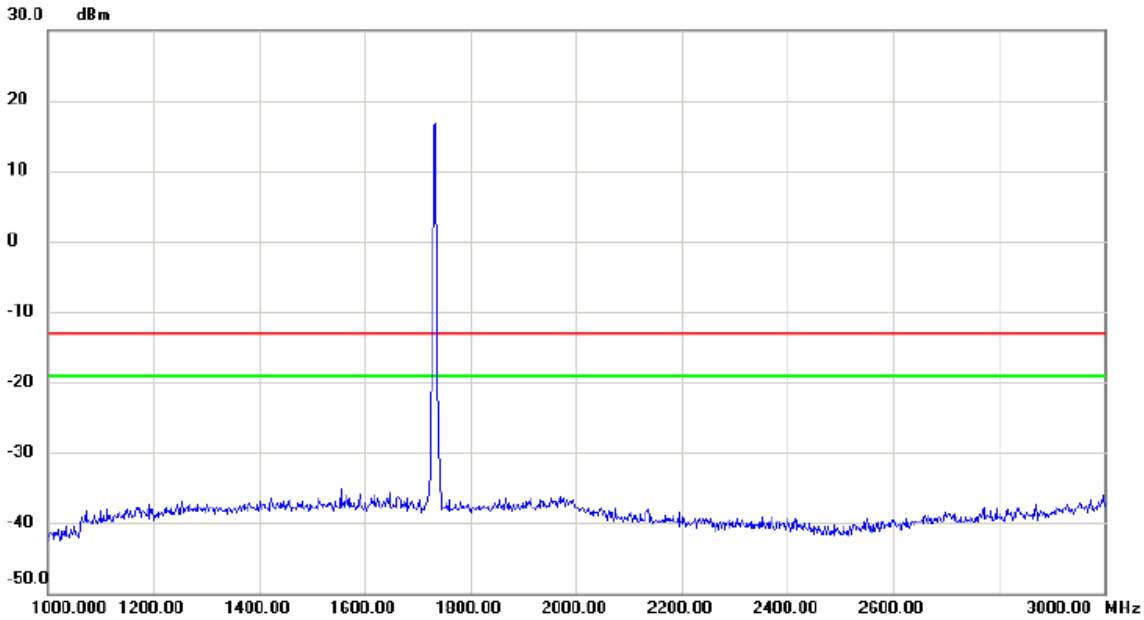
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_WCDMA

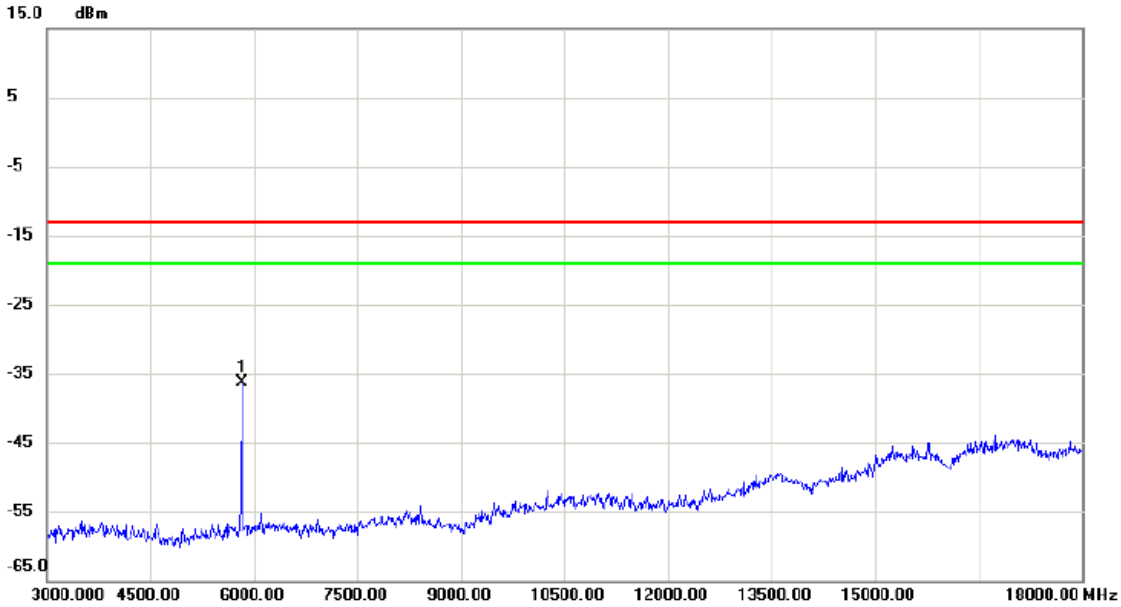
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_WCDMA

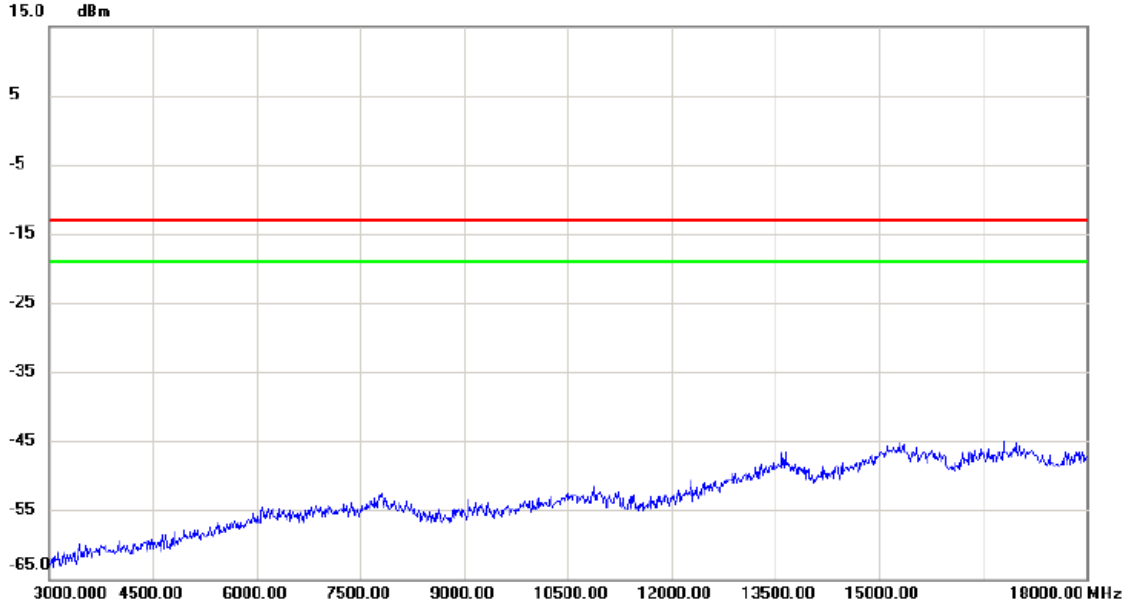
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5820.000	-52.95	16.61	-36.34	-13.00	-23.34	peak	

Test Mode:	WCDMA Band 4_TX 1738_WCDMA

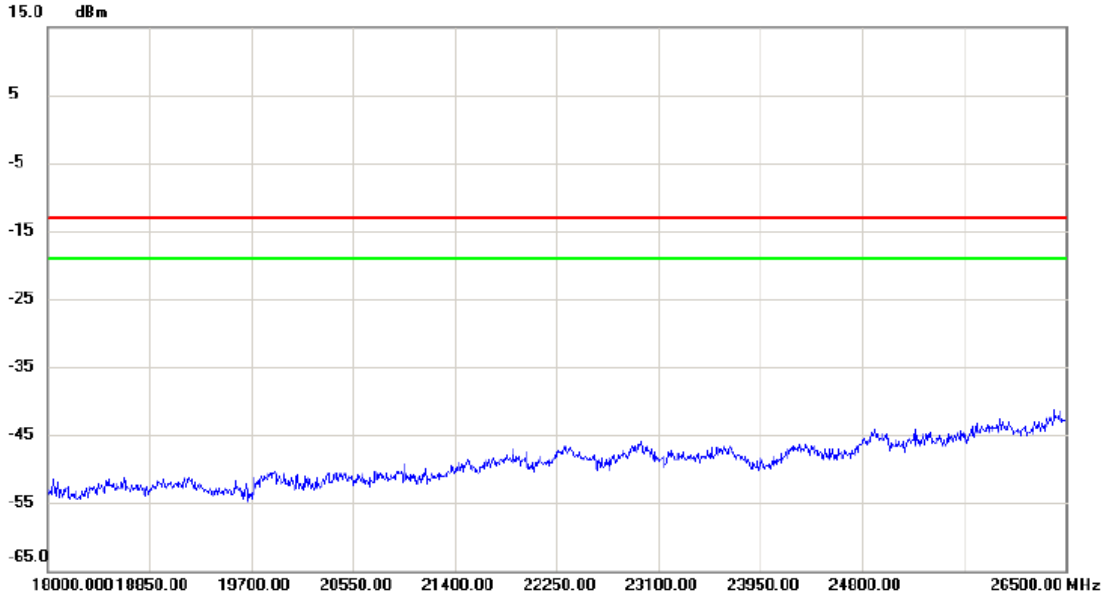
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_WCDMA

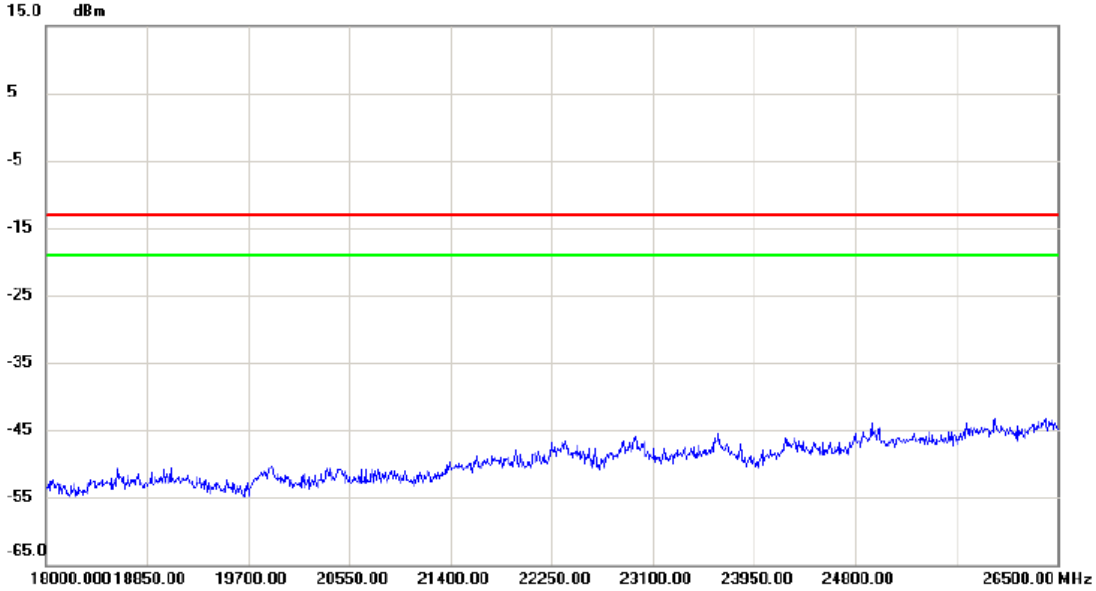
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_WCDMA

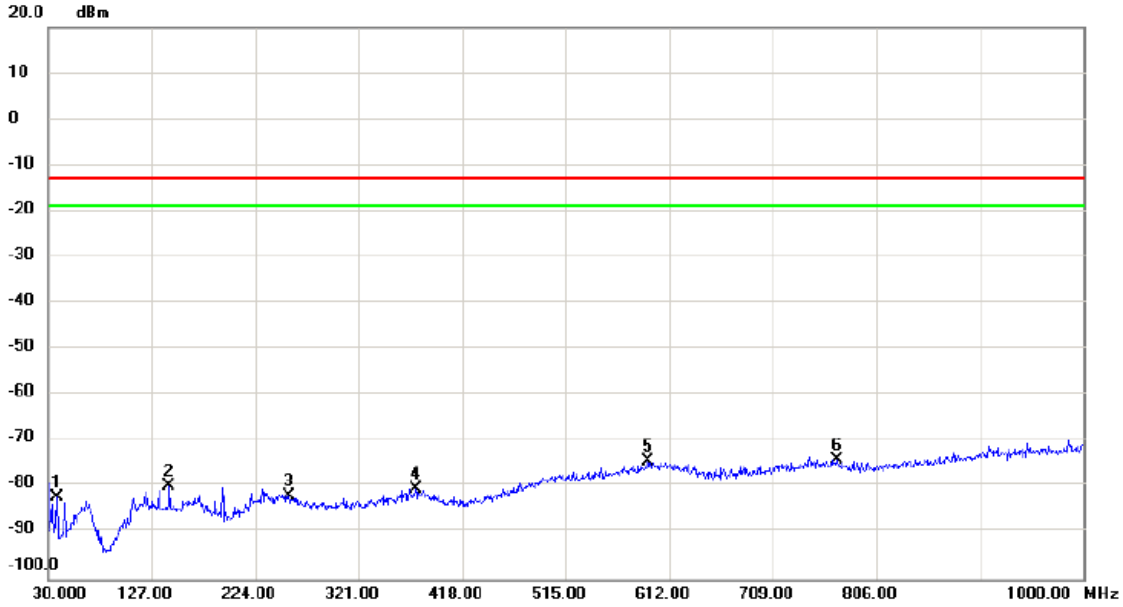
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSDPA

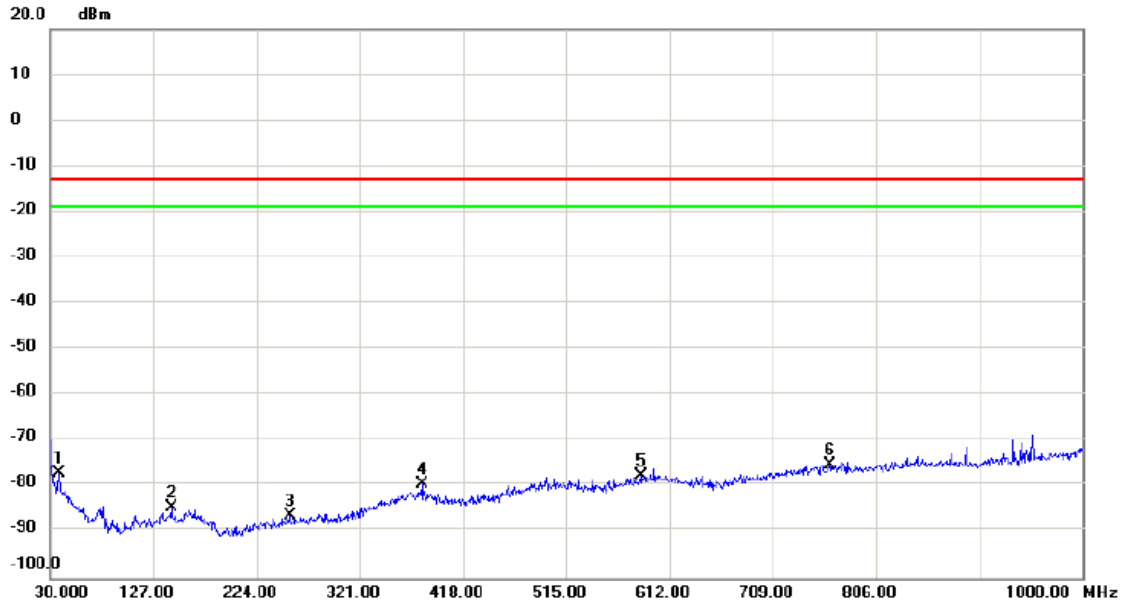
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		38.2450	-72.37	-9.71	-82.08	-13.00	-69.08	peak	
2		143.4900	-76.89	-2.86	-79.75	-13.00	-66.75	peak	
3		255.0400	-81.25	-0.58	-81.83	-13.00	-68.83	peak	
4		374.8350	-80.19	-0.09	-80.28	-13.00	-67.28	peak	
5		591.6300	-79.44	5.21	-74.23	-13.00	-61.23	peak	
6	*	768.6550	-79.41	5.45	-73.96	-13.00	-60.96	peak	

Test Mode:	WCDMA Band 4_TX 1738_HSDPA

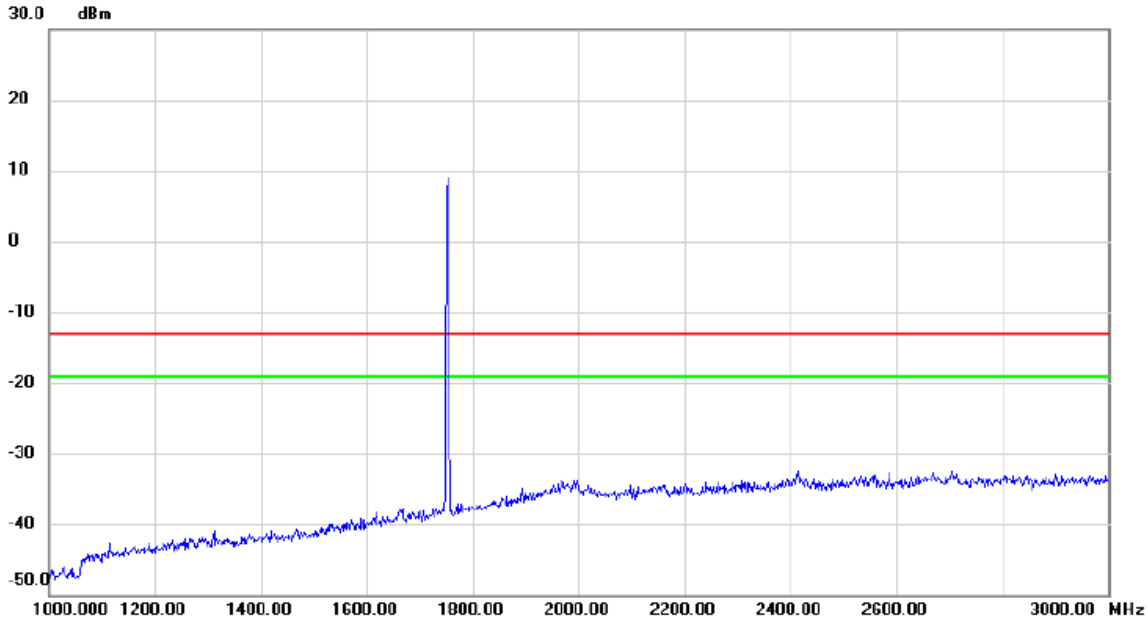
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		38.2450	-77.59	0.51	-77.08	-13.00	-64.08	peak	
2		143.9750	-79.27	-5.29	-84.56	-13.00	-71.56	peak	
3		255.5250	-80.60	-5.74	-86.34	-13.00	-73.34	peak	
4		379.2000	-79.03	-0.54	-79.57	-13.00	-66.57	peak	
5		584.8400	-79.50	1.82	-77.68	-13.00	-64.68	peak	
6	*	762.3500	-79.84	4.46	-75.38	-13.00	-62.38	peak	

Test Mode:	WCDMA Band 4_TX 1738_HSDPA

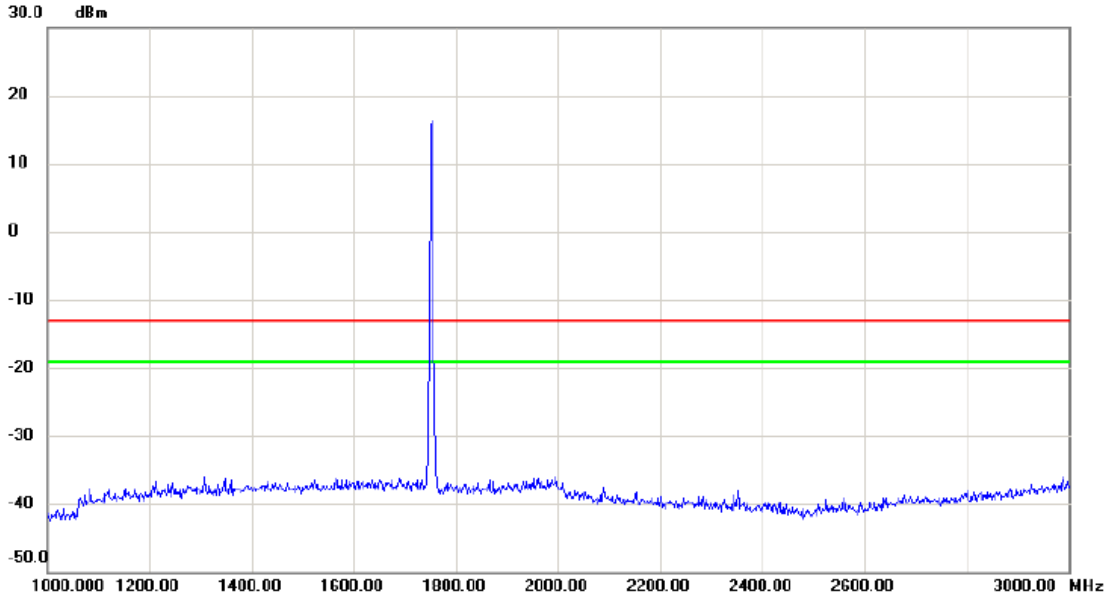
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSDPA

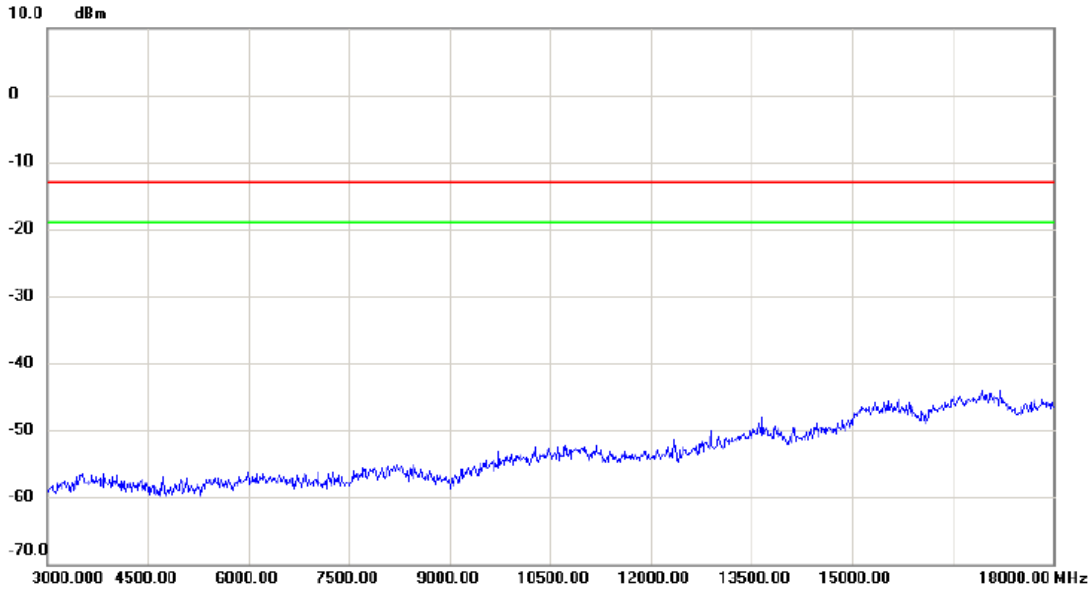
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSDPA

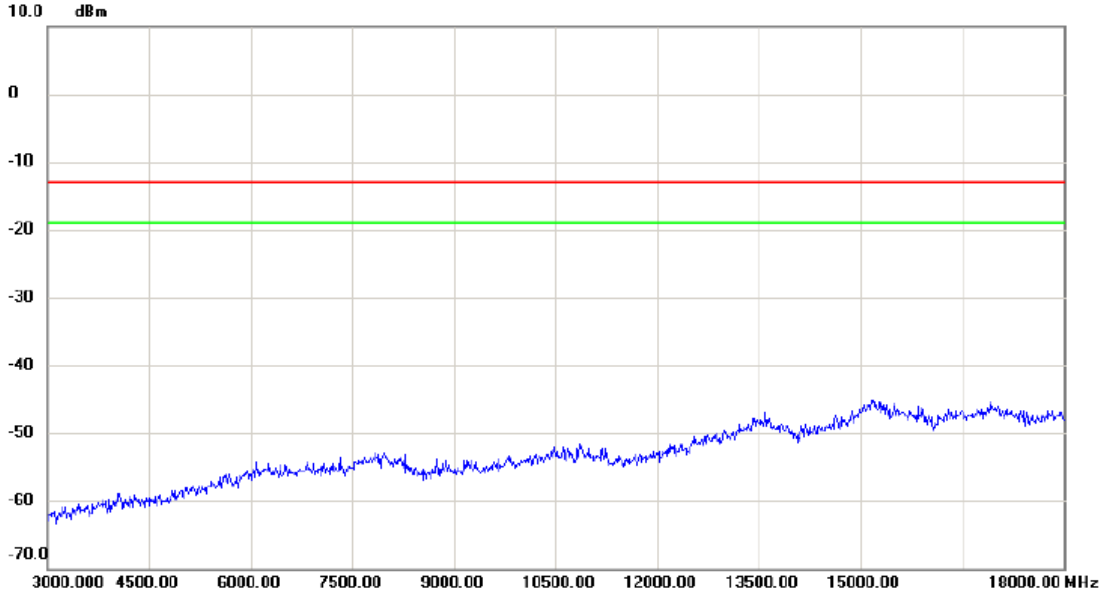
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSDPA

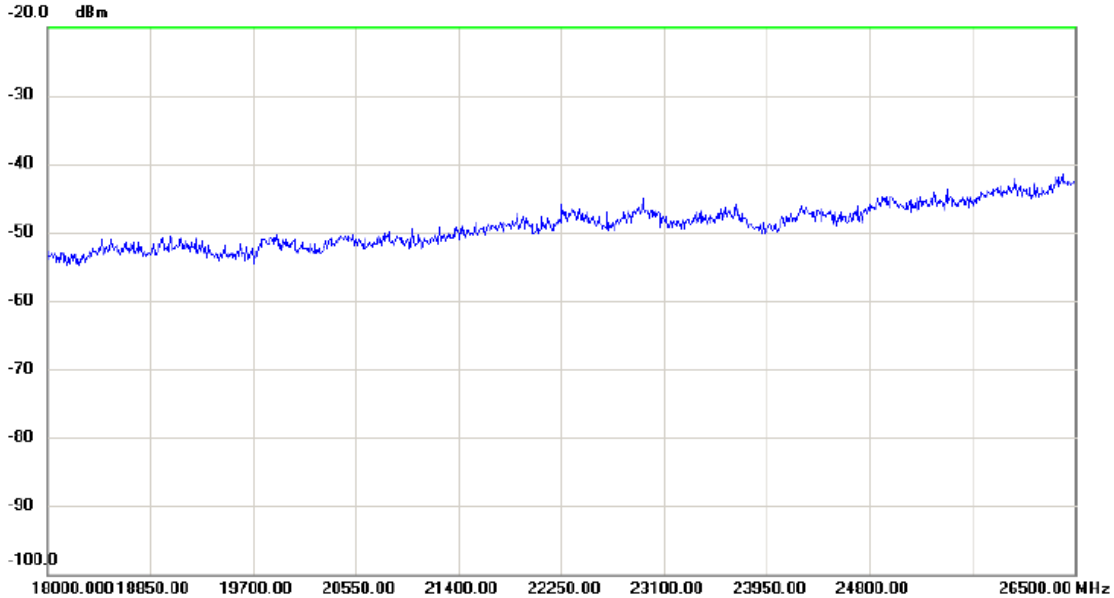
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSDPA

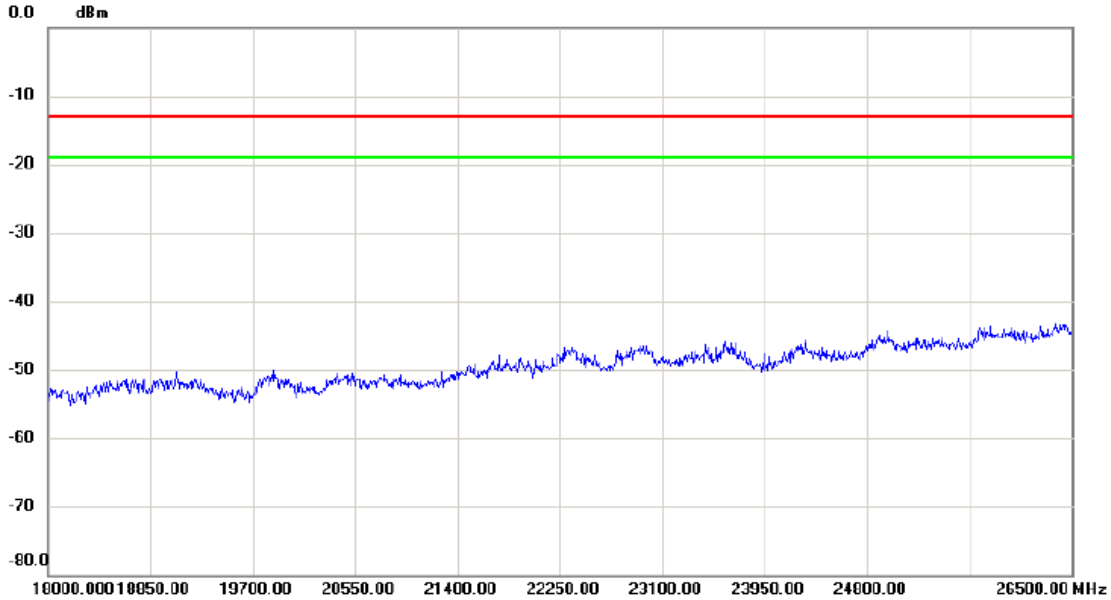
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSDPA

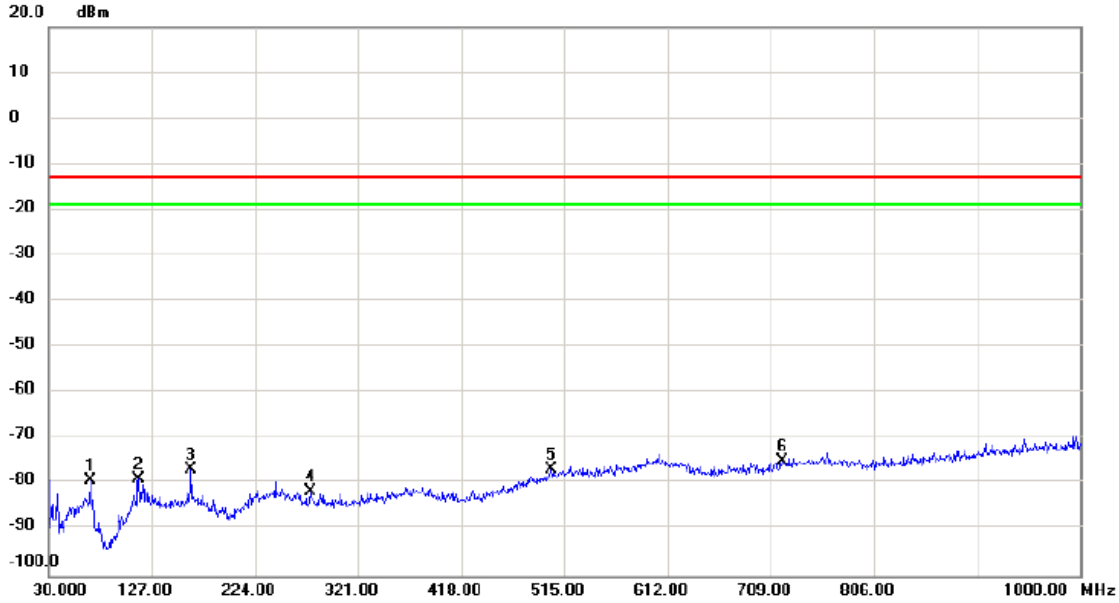
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSUPA

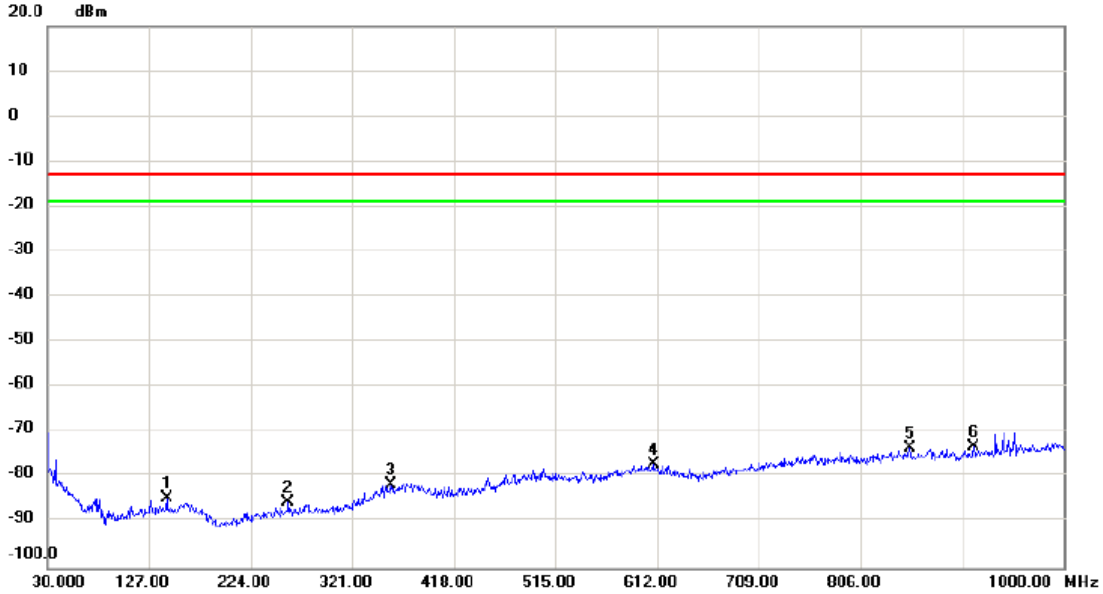
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		68.8000	-74.81	-4.30	-79.11	-13.00	-66.11	peak	
2		114.8750	-75.57	-3.22	-78.79	-13.00	-65.79	peak	
3		163.8600	-75.01	-1.71	-76.72	-13.00	-63.72	peak	
4		275.8950	-80.02	-1.59	-81.61	-13.00	-68.61	peak	
5		502.3900	-79.31	2.61	-76.70	-13.00	-63.70	peak	
6	*	720.1550	-79.80	4.76	-75.04	-13.00	-62.04	peak	

Test Mode:	WCDMA Band 4_TX 1738_HSUPA

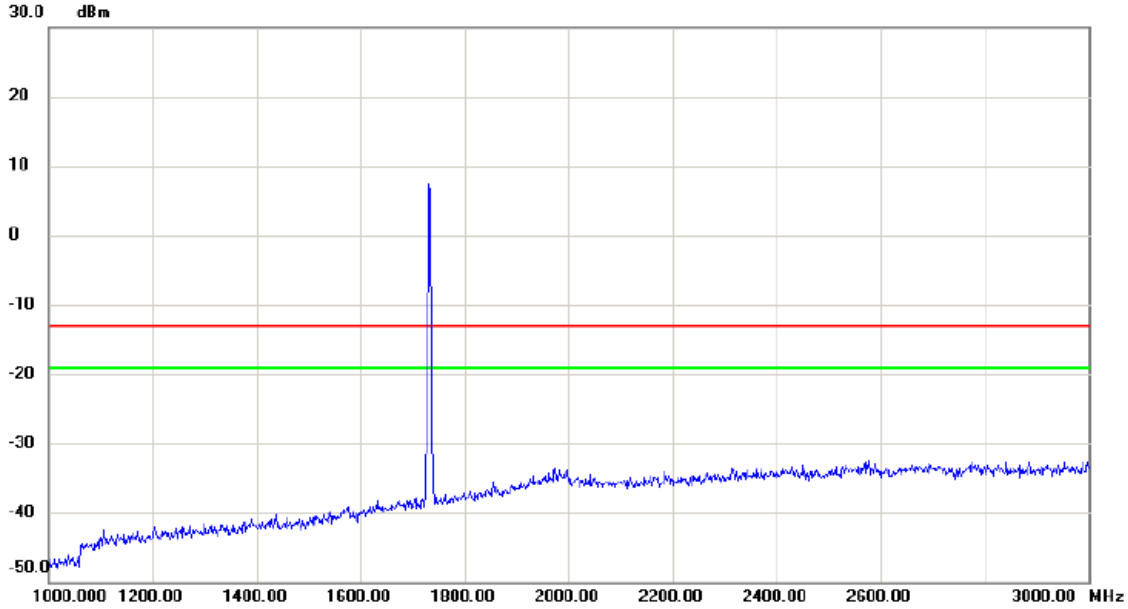
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		143.9750	-79.29	-5.29	-84.58	-13.00	-71.58	peak	
2		259.8900	-80.01	-5.37	-85.38	-13.00	-72.38	peak	
3		357.3750	-80.64	-0.97	-81.61	-13.00	-68.61	peak	
4		609.0900	-79.36	2.18	-77.18	-13.00	-64.18	peak	
5		852.5600	-79.19	5.88	-73.31	-13.00	-60.31	peak	
6	*	913.6700	-79.49	6.21	-73.28	-13.00	-60.28	peak	

Test Mode:	WCDMA Band 4_TX 1738_HSUPA

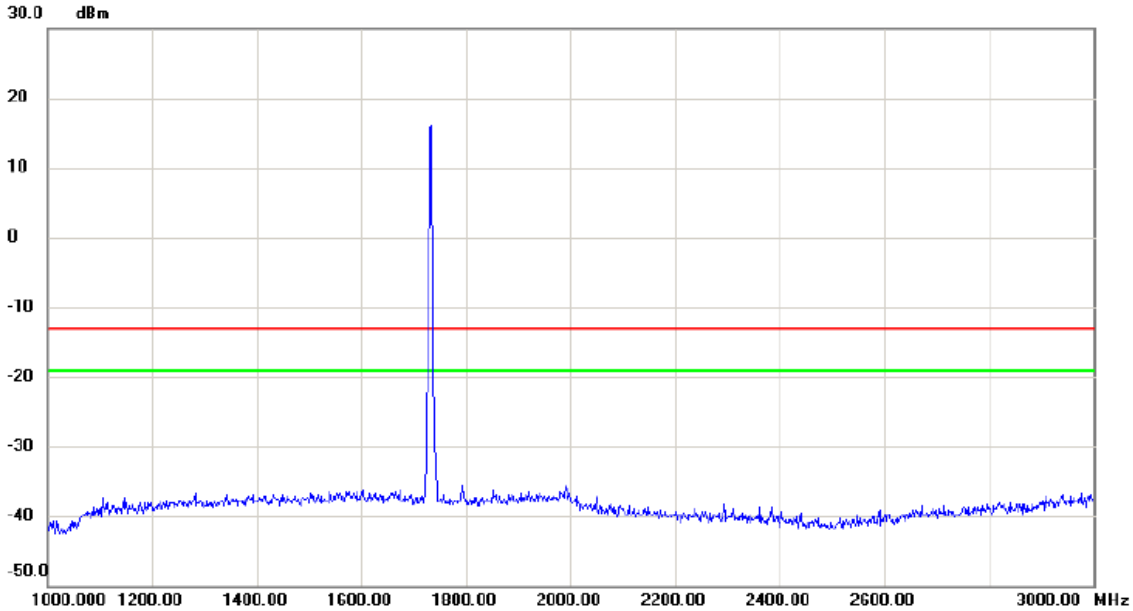
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSUPA

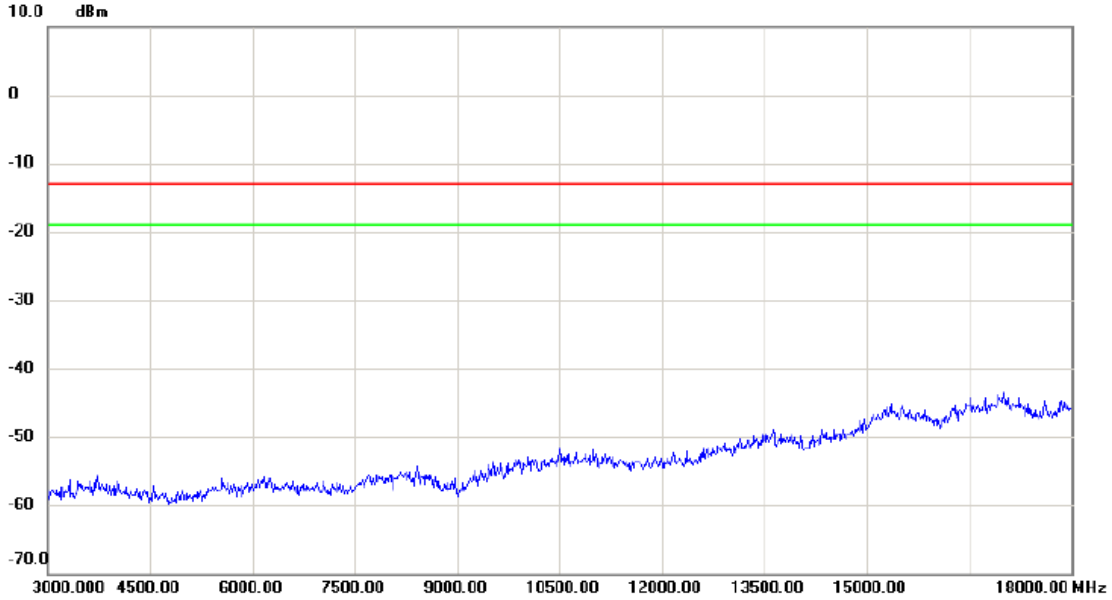
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSUPA

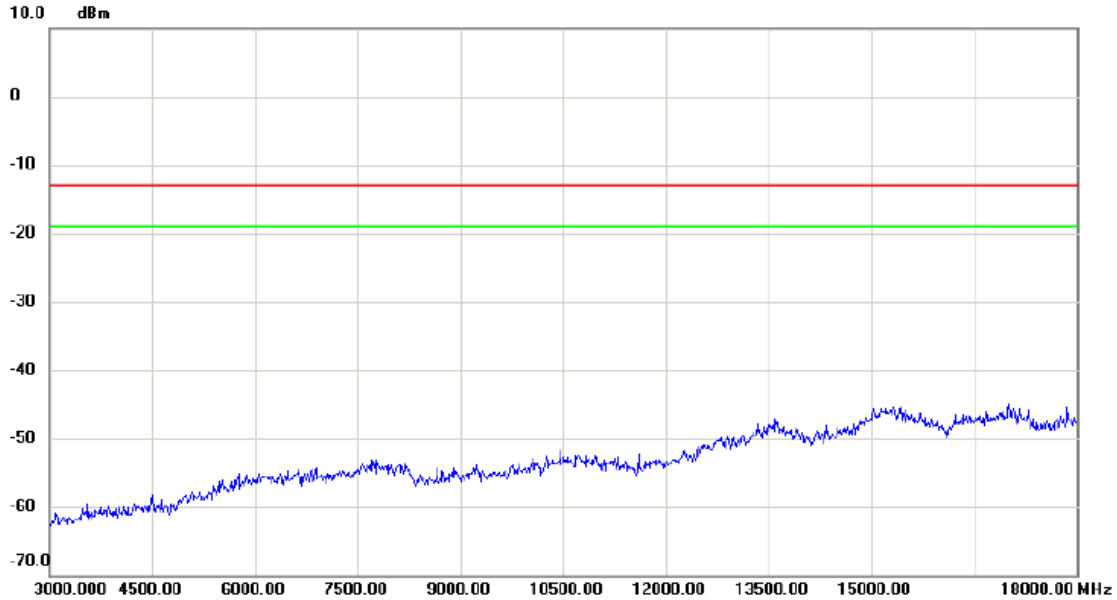
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSUPA

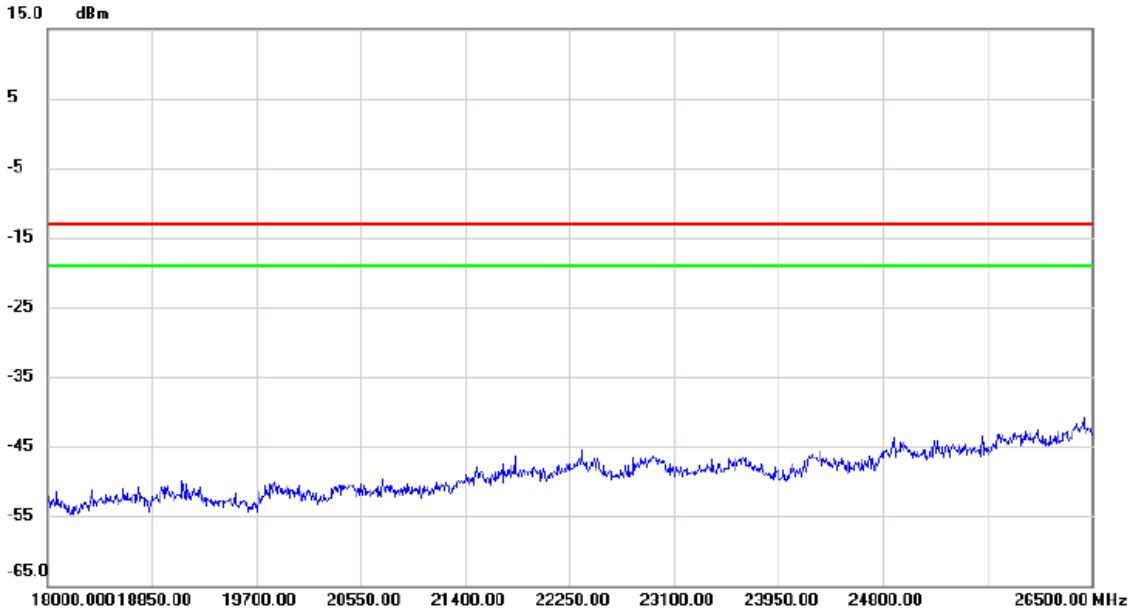
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSUPA

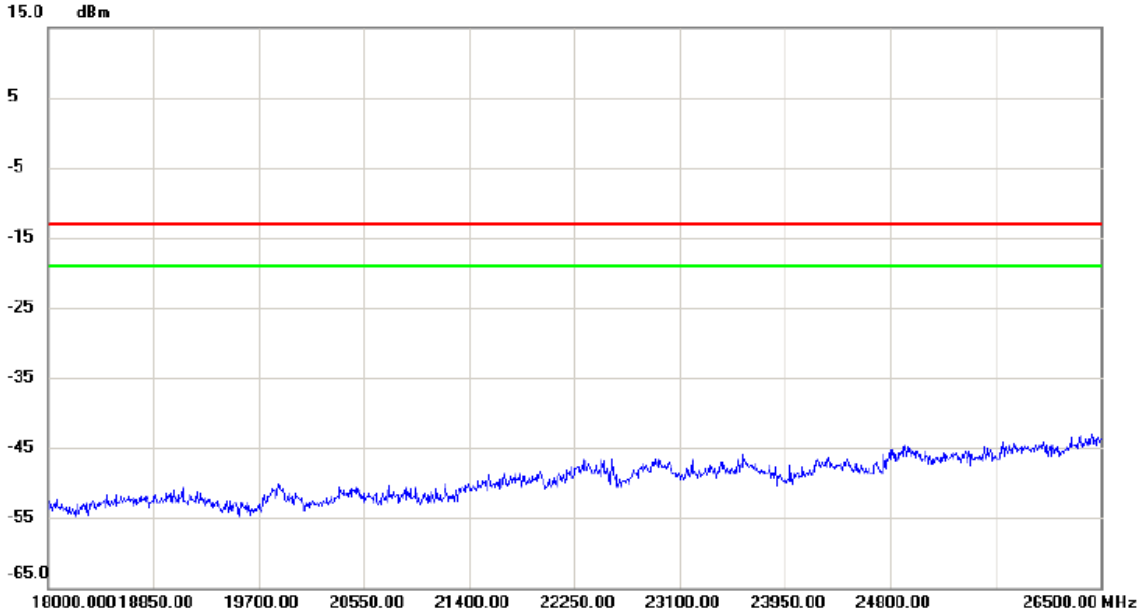
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	WCDMA Band 4_TX 1738_HSUPA

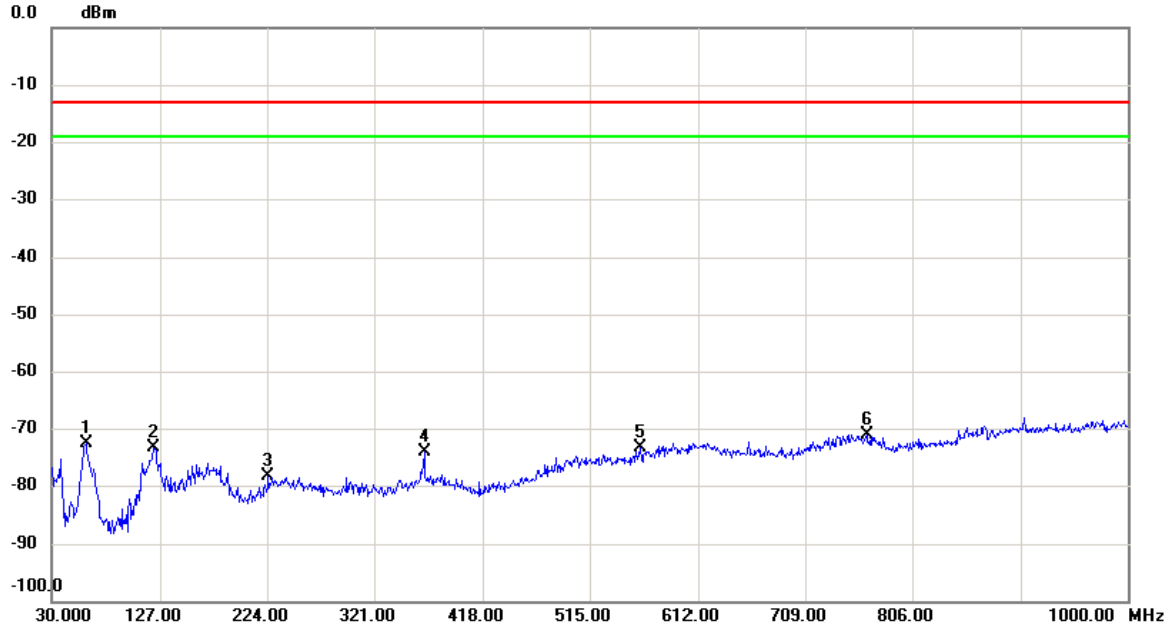
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_1.4M

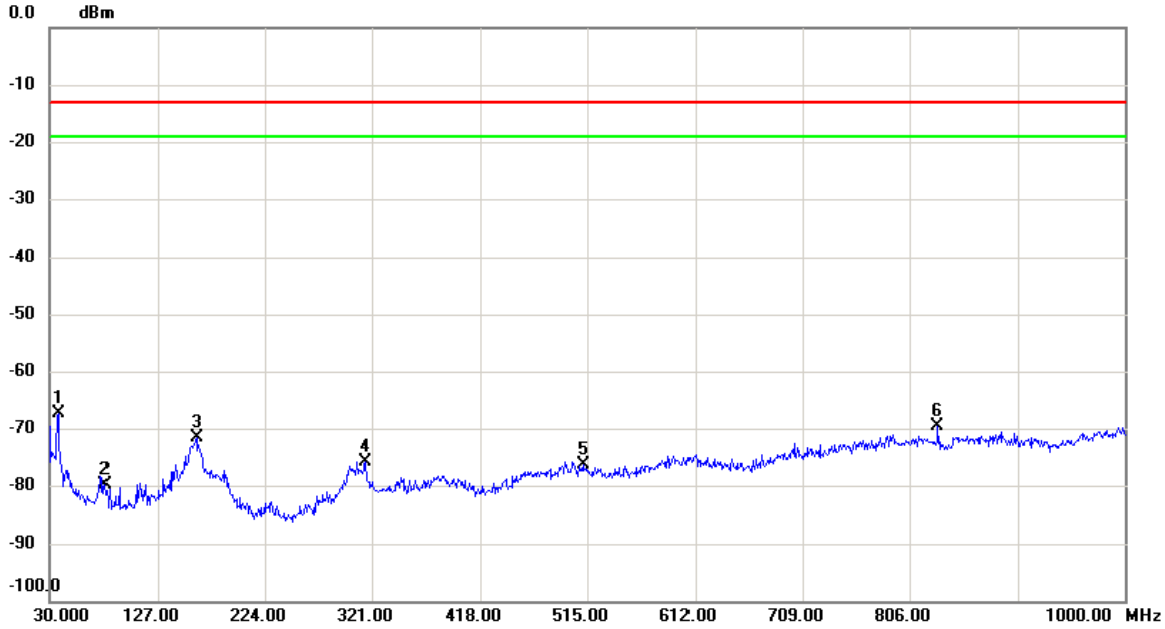
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		61.0400	-68.88	-3.81	-72.69	-13.00	-59.69	peak	
2		120.6950	-70.49	-2.76	-73.25	-13.00	-60.25	peak	
3		224.9700	-76.64	-1.85	-78.49	-13.00	-65.49	peak	
4		365.1350	-73.94	-0.23	-74.17	-13.00	-61.17	peak	
5		561.0750	-77.11	3.70	-73.41	-13.00	-60.41	peak	
6	*	764.7750	-76.68	5.53	-71.15	-13.00	-58.15	peak	

Test Mode:	LTE Band 4_TX CH20175_1.4M

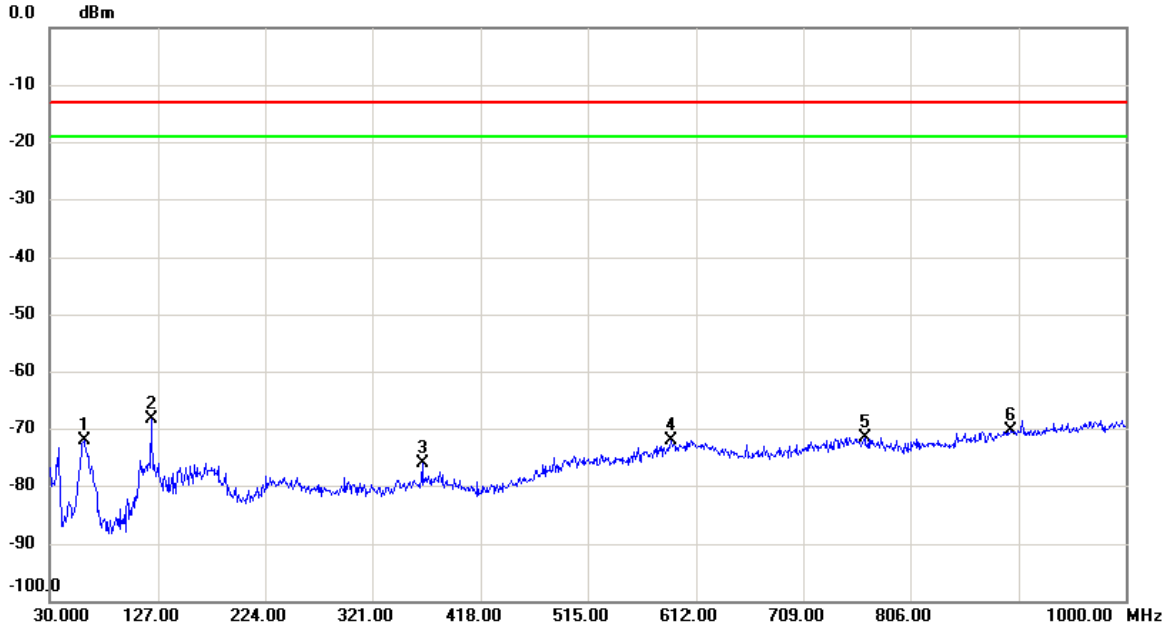
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	38.2450	-67.92	0.51	-67.41	-13.00	-54.41	peak	
2		79.9550	-72.14	-7.77	-79.91	-13.00	-66.91	peak	
3		162.4050	-67.13	-4.49	-71.62	-13.00	-58.62	peak	
4		315.1800	-71.18	-4.58	-75.76	-13.00	-62.76	peak	
5		511.1200	-77.27	0.79	-76.48	-13.00	-63.48	peak	
6		831.2200	-75.08	5.39	-69.69	-13.00	-56.69	peak	

Test Mode:	LTE Band 4_TX CH20175_20M

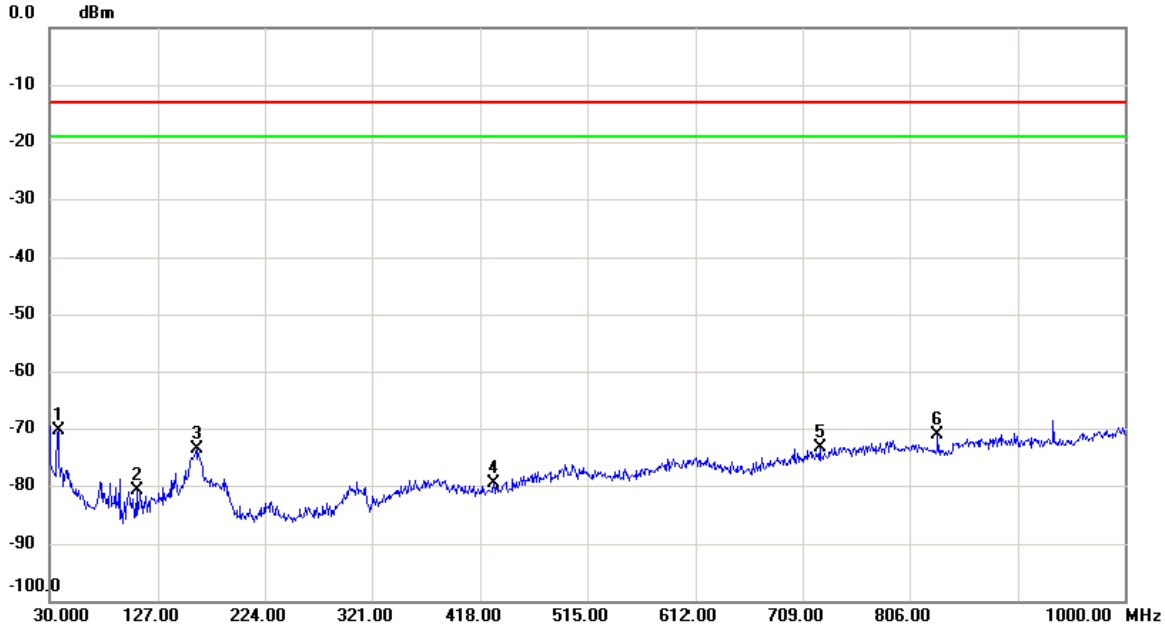
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		61.0400	-68.38	-3.81	-72.19	-13.00	-59.19	peak	
2	*	120.6950	-65.49	-2.76	-68.25	-13.00	-55.25	peak	
3		365.1350	-75.94	-0.23	-76.17	-13.00	-63.17	peak	
4		591.1450	-77.41	5.18	-72.23	-13.00	-59.23	peak	
5		764.7750	-77.18	5.53	-71.65	-13.00	-58.65	peak	
6		896.2100	-77.77	7.51	-70.26	-13.00	-57.26	peak	

Test Mode:	LTE Band 4_TX CH20175_20M

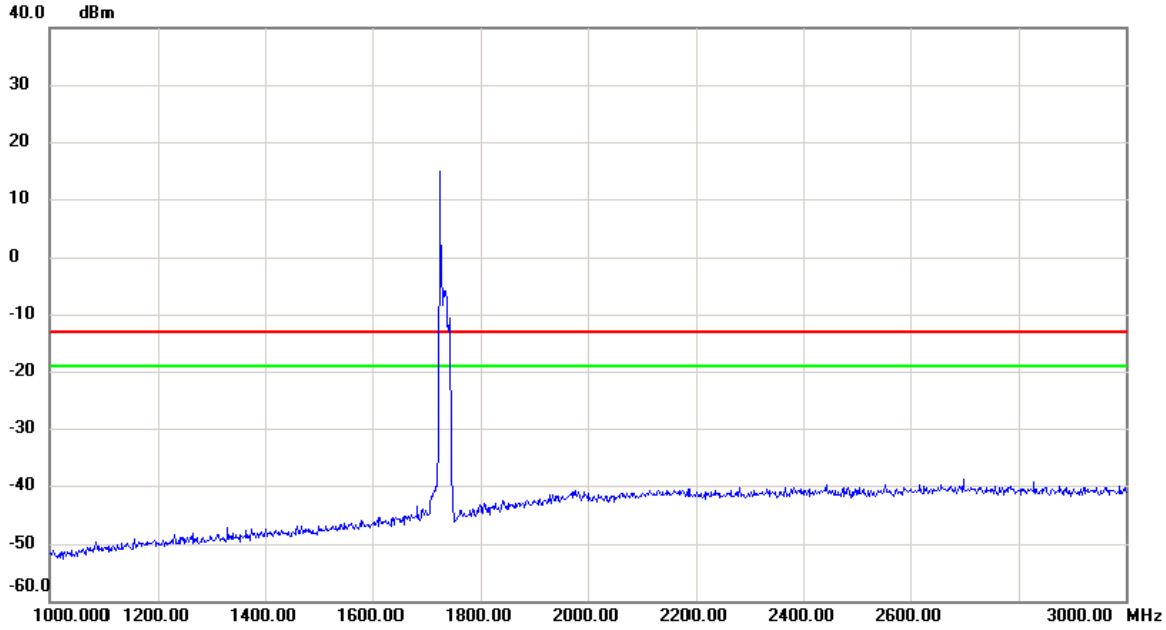
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	38.2450	-70.92	0.51	-70.41	-13.00	-57.41	peak	
2		107.6000	-73.50	-7.43	-80.93	-13.00	-67.93	peak	
3		162.4050	-69.13	-4.49	-73.62	-13.00	-60.62	peak	
4		429.6400	-77.61	-1.92	-79.53	-13.00	-66.53	peak	
5		725.0050	-76.96	3.51	-73.45	-13.00	-60.45	peak	
6		831.2200	-76.58	5.39	-71.19	-13.00	-58.19	peak	

Test Mode:	LTE Band 4_TX CH20175_1.4M

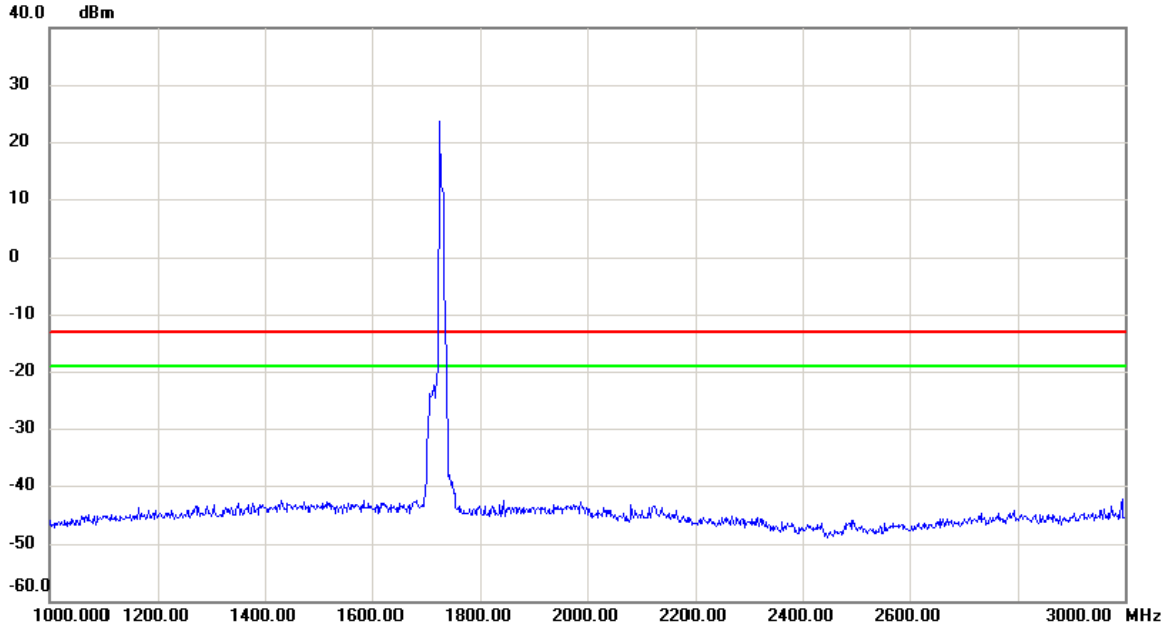
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_1.4M

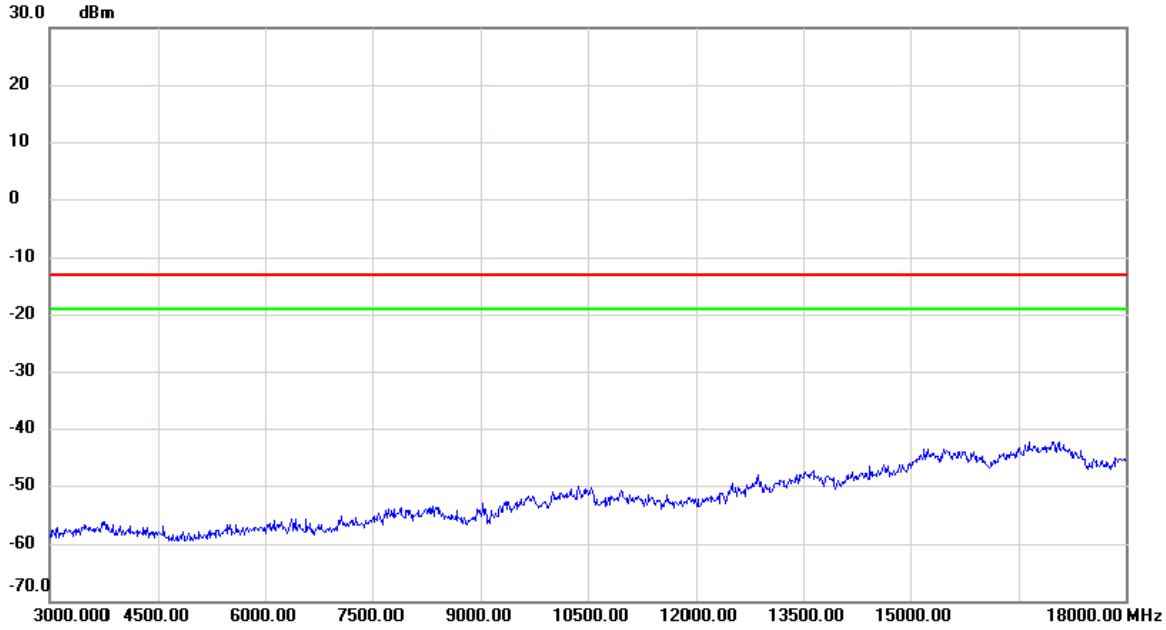
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_1.4M

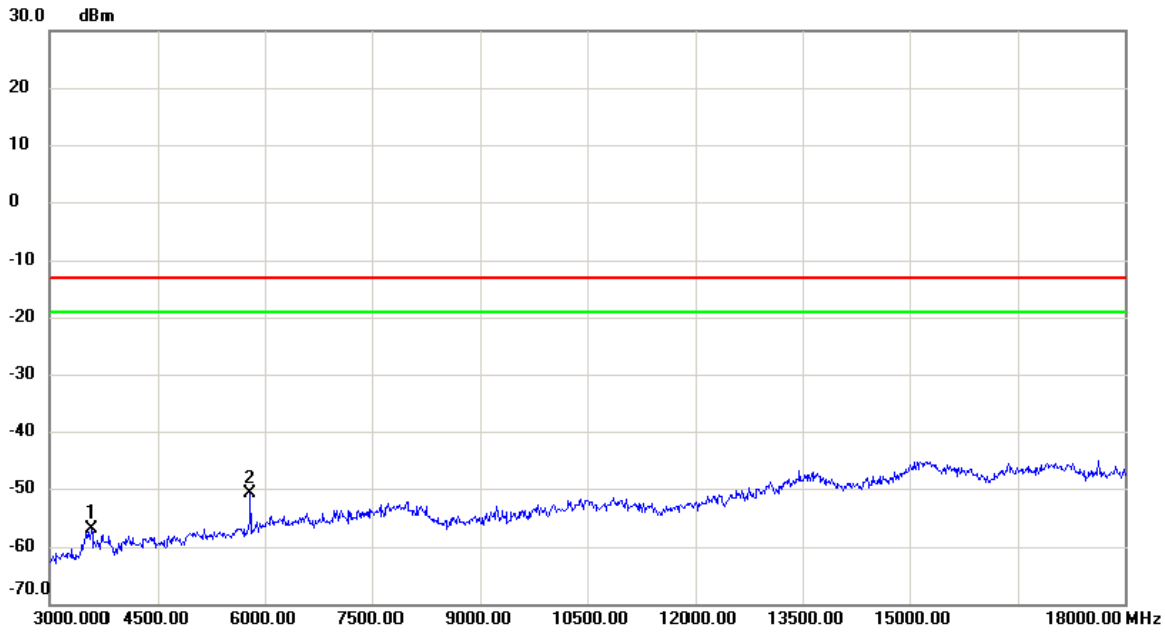
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_1.4M

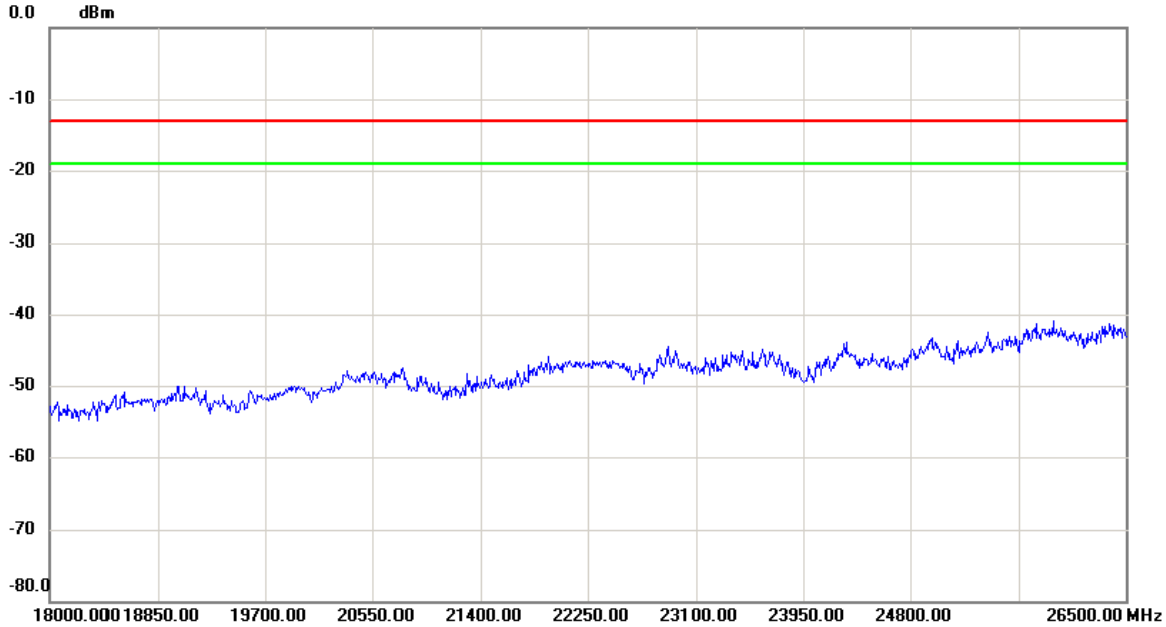
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		3592.500	-67.79	10.88	-56.91	-13.00	-43.91	peak	
2	*	5790.000	-68.33	17.52	-50.81	-13.00	-37.81	peak	

Test Mode:	LTE Band 4_TX CH20175_1.4M

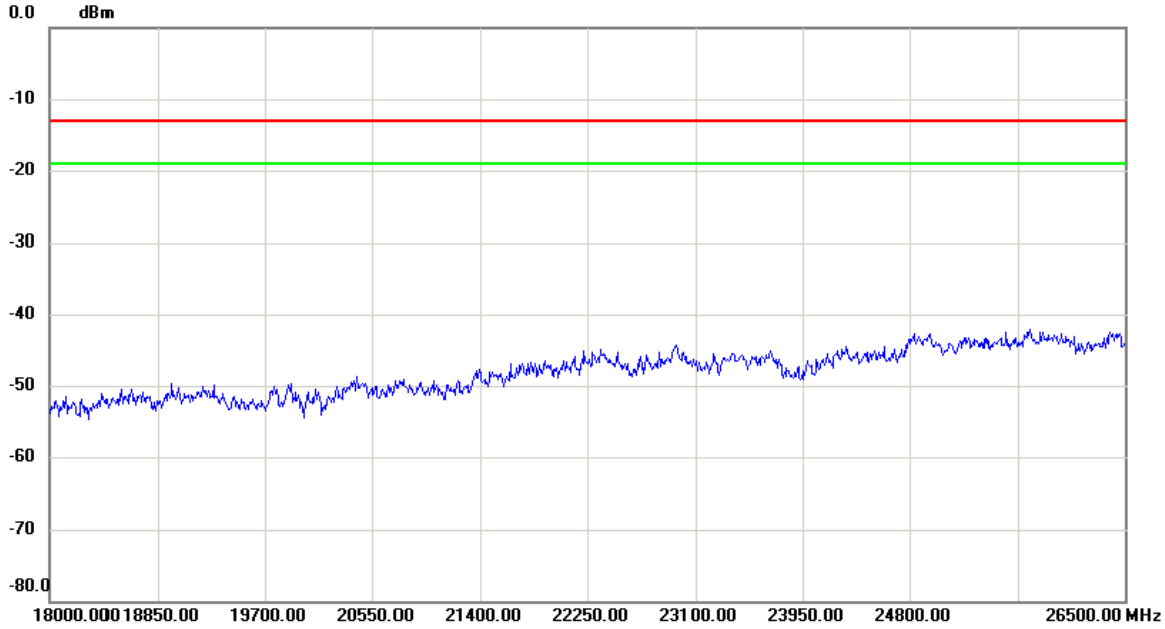
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_1.4M

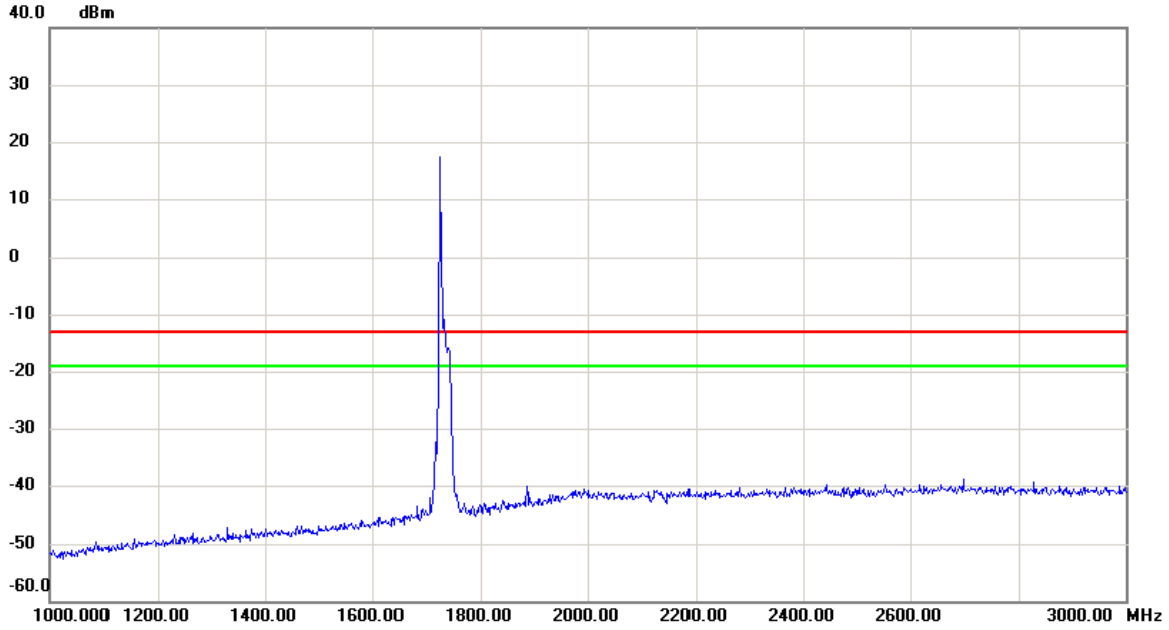
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_20M

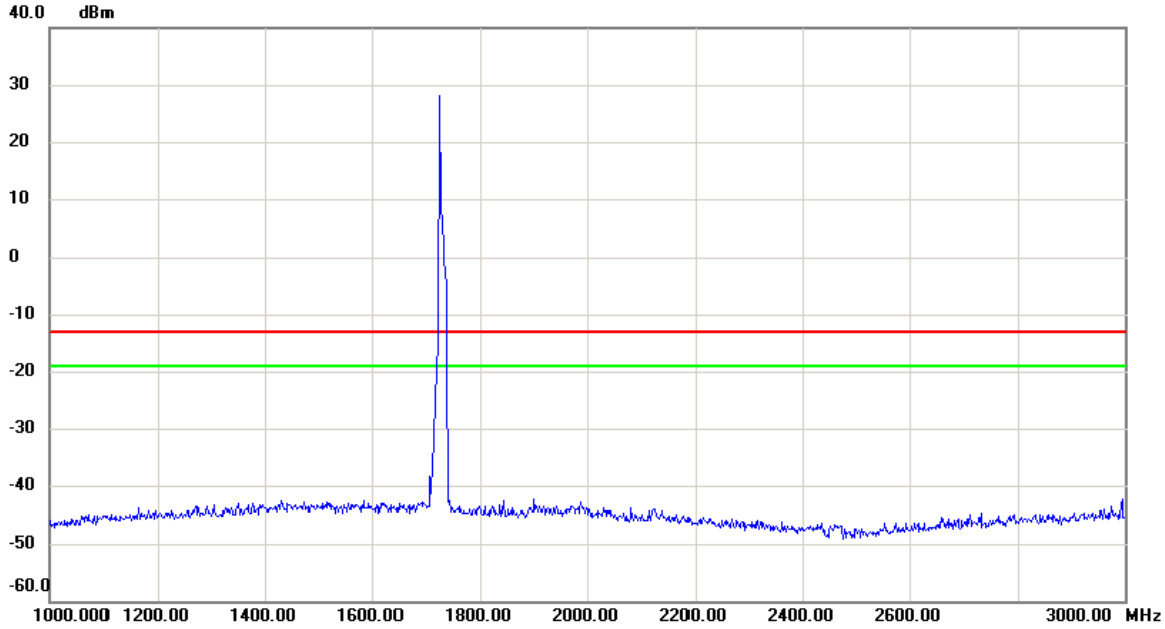
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_20M

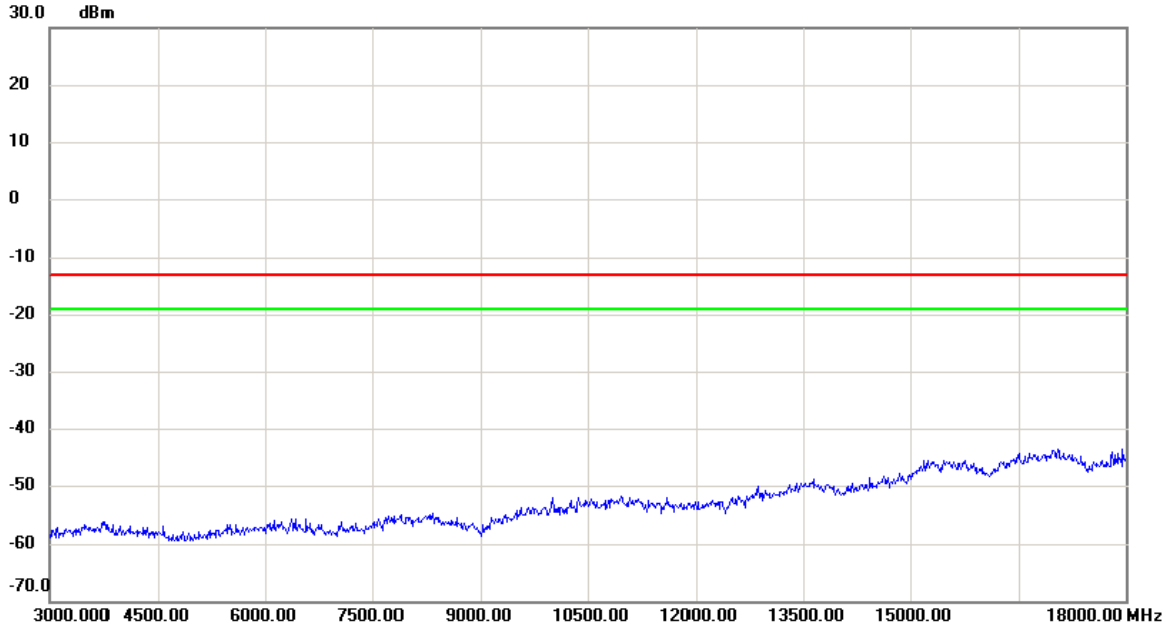
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_20M

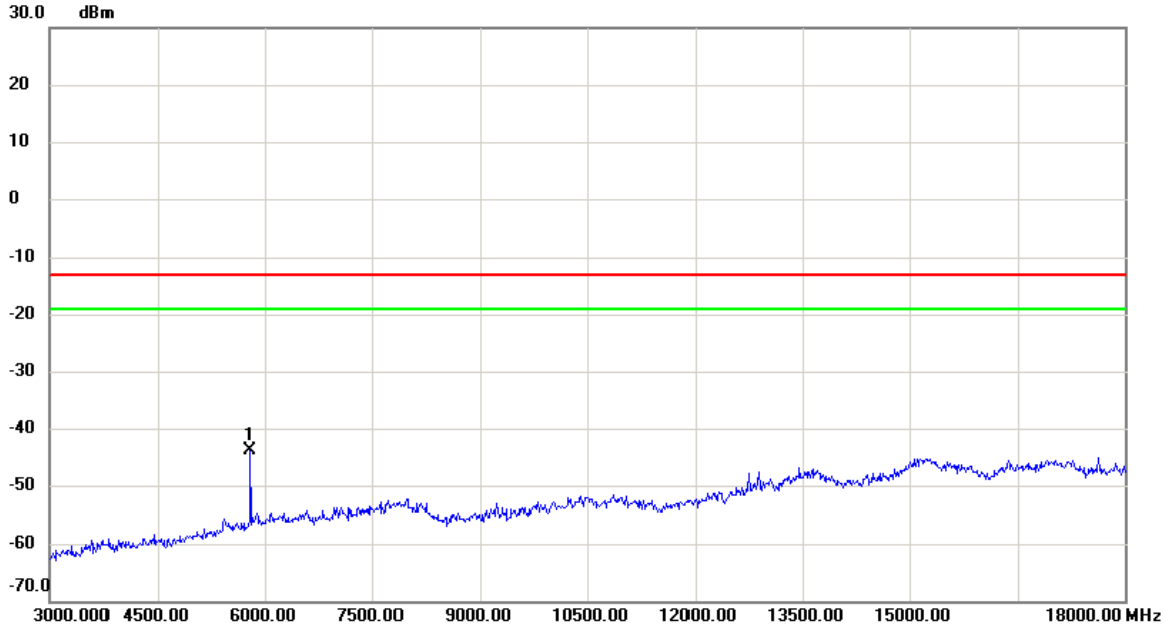
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_20M

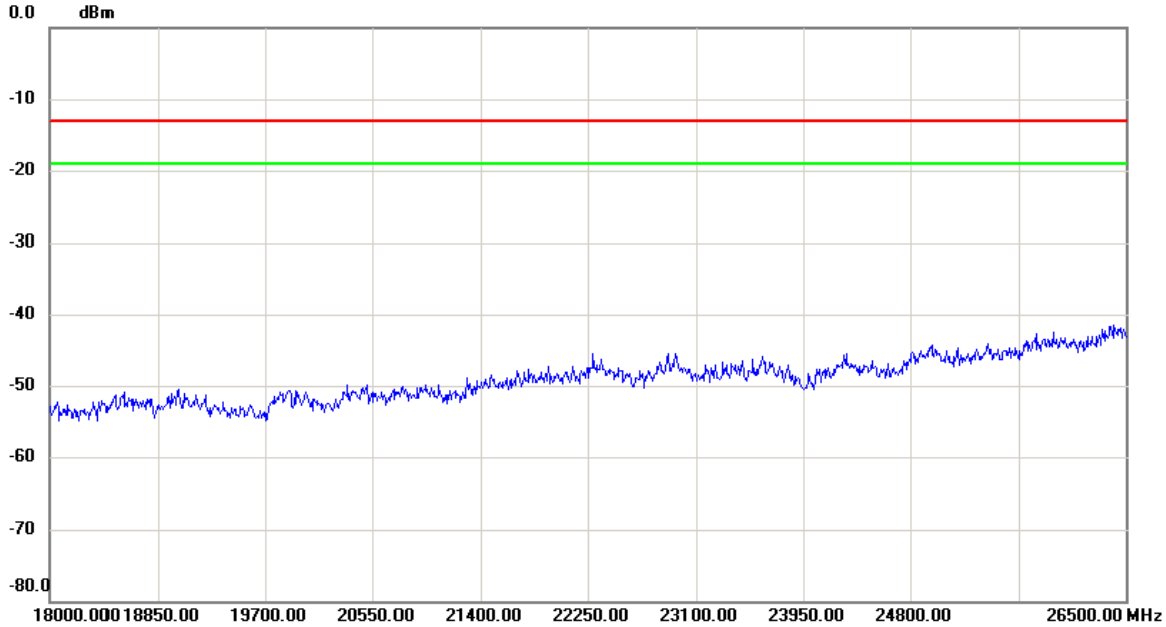
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5790.000	-61.33	17.52	-43.81	-13.00	-30.81	peak	

Test Mode:	LTE Band 4_TX CH20175_20M

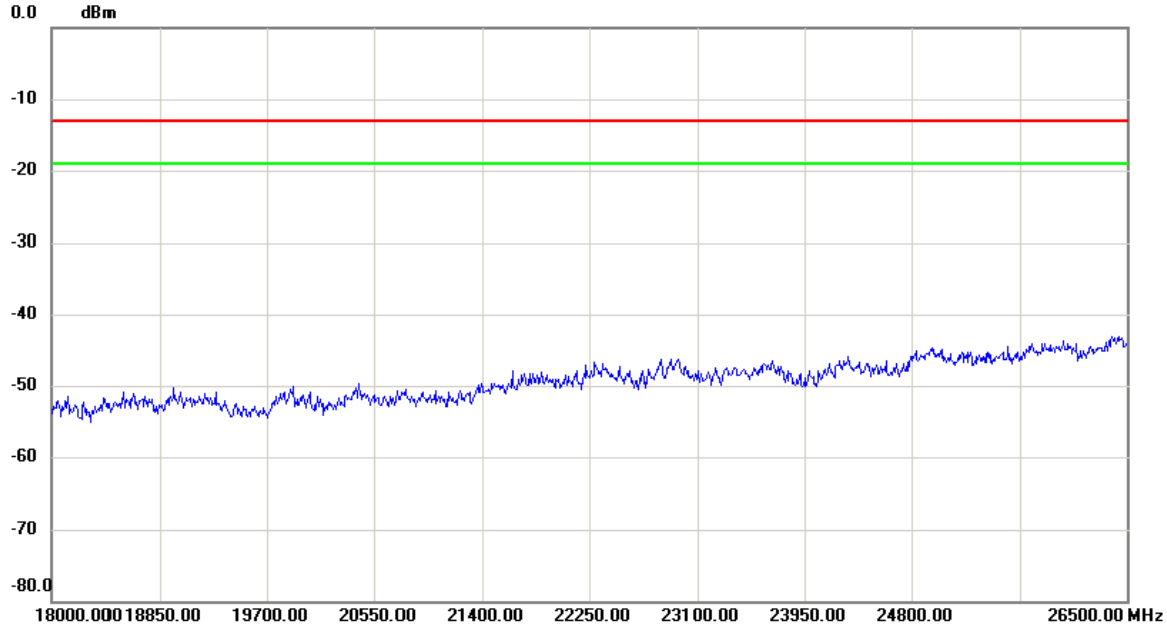
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 4_TX CH20175_20M

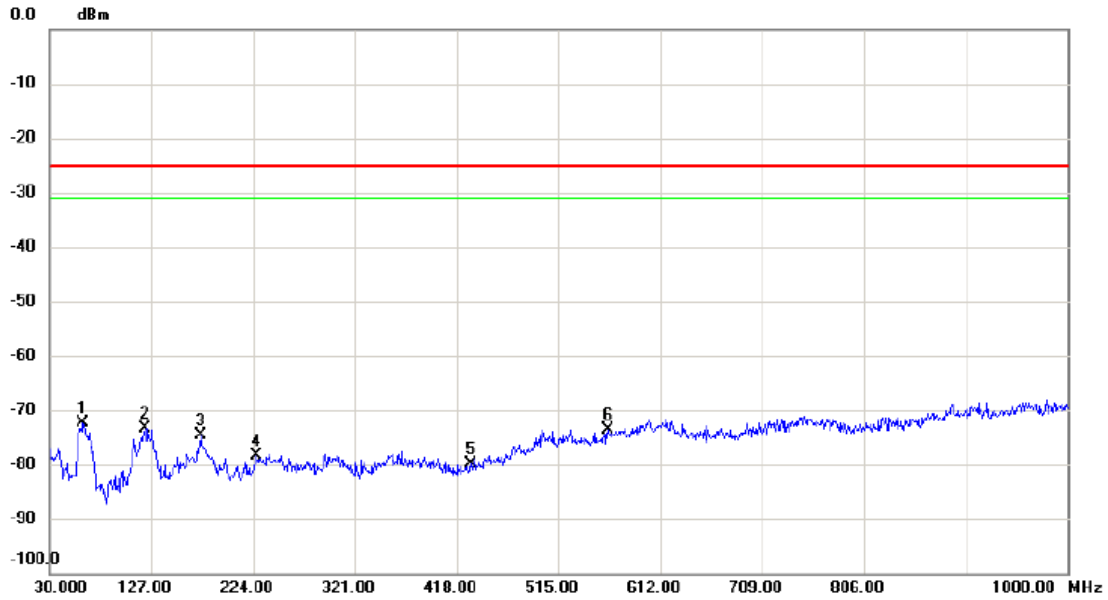
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment

Test Mode:	LTE Band 7_TX CH21100_5M

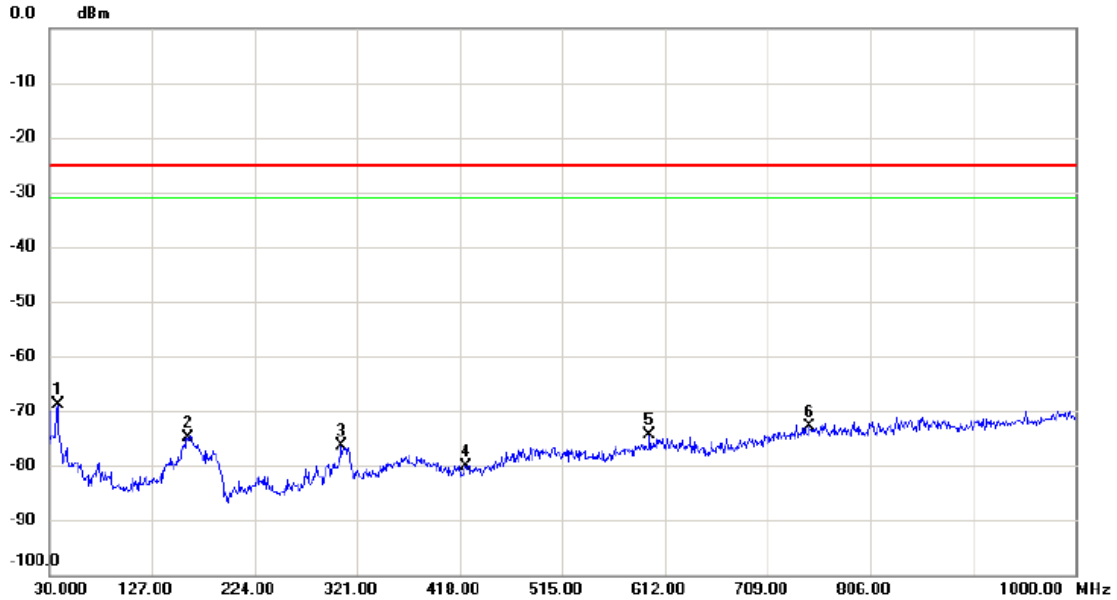
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	62.0100	-68.86	-3.56	-72.42	-25.00	-47.42	peak	
2		121.6650	-70.77	-2.71	-73.48	-25.00	-48.48	peak	
3		174.5300	-72.25	-2.44	-74.69	-25.00	-49.69	peak	
4		227.3950	-77.12	-1.27	-78.39	-25.00	-53.39	peak	
5		431.5800	-78.29	-1.65	-79.94	-25.00	-54.94	peak	
6		562.0450	-77.45	3.75	-73.70	-25.00	-48.70	peak	

Test Mode:	LTE Band 7_TX CH21100_5M

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	37.7600	-69.35	0.53	-68.82	-25.00	-43.82	peak	
2		161.4350	-70.44	-4.38	-74.82	-25.00	-49.82	peak	
3		306.4500	-71.40	-4.99	-76.39	-25.00	-51.39	peak	
4		424.3050	-77.92	-2.11	-80.03	-25.00	-55.03	peak	
5		597.4500	-76.91	2.42	-74.49	-25.00	-49.49	peak	
6		748.7700	-77.20	4.38	-72.82	-25.00	-47.82	peak	