

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)

B T L I N C .

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	12
3.3 BLOCKDIGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED	14
3.4 DESCRIPTION OF SUPPORT UNITS	14
4 . TEST RESULT	15
4.1 OUTPUT POWER MEASUREMENT	15
4.1.1 LIMIT	15
4.1.2 TEST PROCEDURE	15
4.1.3 TESTSETUP LAYOUT	15
4.1.4 TEST DEVIATION	15
4.1.5 TEST RESULTS	15
4.2 OCCUPIED BANDWIDTH MEASUREMENT	16
4.2.1 TEST PROCEDURE	16
4.2.2 TEST SETUP LAYOUT	16
4.2.3 TEST DEVIATION	16
4.2.4 TEST RESULTS	16
4.3 CONDUCTED EMISSIONS MEASUREMENT	17
4.3.1 LIMIT	17
4.3.2 TEST PROCEDURES	17
4.3.3 TESTSETUP LAYOUT	17
4.3.4 TESTDEVIATION	17
4.3.5 TEST RESULTS	17
4.4 RADIATED EMISSIONS MEASUREMENT	18
4.4.1 LIMIT	18
4.4.2 TEST PROCEDURES	18
4.4.3 TESTSETUP LAYOUT	18
4.4.4 TESTDEVIATION	18
4.4.5 TEST RESULTS	18
4.5 BAND EDGE MEASUREMENT	19
4.5.1 LIMIT	19

Table of Contents	Page
4.5.2 TEST PROCEDURES	19
4.5.3 TESTSETUP LAYOUT	19
4.5.4 TESTDEVIATION	19
4.5.5 TEST RESULTS	19
4.6 PEAK TO AVERAGE RATIO MEASUREMENT	20
4.6.1 LIMIT	20
4.6.2 TEST PROCEDURES	20
4.6.3 TESTSETUP LAYOUT	20
4.6.4 TESTDEVIATION	20
4.6.5 TEST RESULTS	20
4.7 FREQUENCY STABILITY MEASUREMENT	21
4.7.1 LIMIT	21
4.7.2 TEST PROCEDURES	21
4.7.3 TESTSETUP LAYOUT	21
4.7.4 TESTDEVIATION	21
4.7.5 TEST RESULTS	21
5. LIST OF MEASUREMENT EQUIPMENTS	22
6. EUT TEST PHOTO	24
ATTACHMENT A - OUTPUT POWER	28
ATTACHMENT B - OCCUPIED BANDWIDTH	35
ATTACHMENT C - CONDUCTED EMISSIONS	47
ATTACHMENT D - RADIATED EMISSION	54
ATTACHMENT E - BAND EDGE	95
ATTACHMENT F - PEAK TO AVERAGE RATIO	102
ATTACHMENT G - FREQUENCY STABILITY	109

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-4-1608C212	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 : Administration Building, Huawei Base, Bantian, Longgang District ,Shenzhen
518129, P.R.China
Date of Test : Aug. 26, 2016 ~ Sep. 12, 2016
Test Sample : Engineering Sample
Standard(s) : 47 CFR FCC Part 22 Subpart H
47 CFR FCC Part 2
ANSI/TIA-603-D-2010
KDB 971168 D01 Power Meas License Digital Systems v02r02

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-4-1608C212) 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 result included in this report is only for the GSM850, WCDMA Band V and LTE Band 5 part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part 22 Subpart H& Part 2			
Standard(s) Section	Test Item	Judgment	Tested By
2.1046 22.913(a)	Radiated power	PASS	Robert Luo
2.1046 22.913(a)	Conducted Output Power	PASS	Allen Li
2.1049(h) 22.917(a)	Occupied Bandwidth	PASS	Allen Li
2.1051 22.917(a)	Conducted Spurious Emissions	PASS	Allen Li
2.1053 22.917(a)	Radiated Spurious Emissions	PASS	Robert Luo
22.917(a)	Band Edge Measurements	PASS	Allen Li
-	Peak To Average Ratio	PASS	Allen Li
2.1055 22.355	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 $y \pm U$, where expanded uncertainty U is based on a standard 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	GSM/GPRS	GMSK		
	EDGE	GMSK, 8PSK		
	WCDMA	Uplink: BPSK Downlink: QPSK		
	WCDMA(HSDPA/HSUPA)	16QAM/64QAM		
	LTE	QPSK, 16QAM		
Operation Frequency	GSM /EDGE/GPRS	824.2 ~ 848.8 MHz		
	WCDMA Band 5	826.4 ~ 846.6 MHz		
	LTE 5 (Channel Bandwidth: 1.4MHz)	824.7 ~ 848.3 MHz		
	LTE 5 (Channel Bandwidth: 3MHz)	825.5 ~ 847.5 MHz		
	LTE 5 (Channel Bandwidth: 5MHz)	826.5 ~ 846.5 MHz		
	LTE 5 (Channel Bandwidth: 10MHz)	829.0 ~ 844.0 MHz		
Max. ERP Power	GSM/GPRS	GMSK	28.38 dBm	
	EDGE	8PSK	22.53 dBm	
	WCDMA	BPSK	19.12 dBm	
	WCDMA_HSDPA	16QAM	19.13 dBm	
	WCDMA_HSUPA	16QAM	17.45 dBm	
	LTE 5 (Channel Bandwidth: 1.4MHz)	QPSK	19.42 dBm	
		16QAM	18.24 dBm	
	LTE 5 (Channel Bandwidth: 3MHz)	QPSK	19.38 dBm	
		16QAM	17.42 dBm	
	LTE 5 (Channel Bandwidth: 5MHz)	QPSK	19.46 dBm	
		16QAM	18.01 dBm	
	LTE 5 (Channel Bandwidth: 10MHz)	QPSK	19.56 dBm	
16QAM		18.14 dBm		
Antenna Type	Fixed Internal Antenna			
Antenna Gain	-2.05 dBi			
Hardware Version	SH1BAGO721LM			
Software 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 ERP and X-axis for radiated emission.
 Following channel(s) was (were) selected for the final test as listed below:

GSM MODE			
Test Item	Available Channel	Tested Channel	Mode
ERP	128 to 251	128, 190, 251	GSM, EDGE
Conducted Output Power	128 to 251	128, 190, 251	GSM, EDGE
Occupied Bandwidth	128 to 251	128, 190, 251	GSM, EDGE
Condcudeted Emission	128 to 251	190	GSM, EDGE
Radiated Emission	128 to 251	190	GSM, EDGE
Band Edge	128 to 251	128, 251	GSM, EDGE
Peak to Average Ratio	128 to 251	128, 190, 251	GSM, EDGE
Frequency Stability	128 to 251	190	GSM, EDGE

WCDMA MODE			
Test Item	Available Channel	Tested Channel	Mode
ERP	4132 to 4233	4132, 4182, 4233	WCDMA, HSDPA, HSUPA
Conducted Output Power	4132 to 4233	4132, 4182, 4233	WCDMA,HSDPA,HSUPA
Condcudeted Emission	4132 to 4233	4182	WCDMA
Radiated Emission	4132 to 4233	4182	WCDMA, HSDPA, HSUPA
Band Edge	4132 to 4233	4132, 4233	WCDMA
Peak to Average Ratio	4132 to 4233	4132, 4182, 4233	WCDMA
Frequency Stability	4132 to 4233	4182	WCDMA

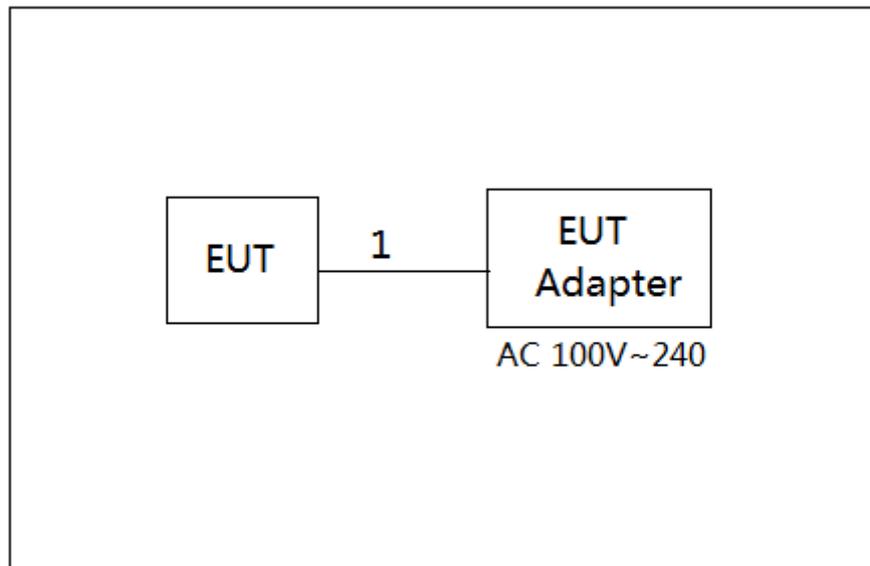
Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in **QPSK** modulation.

LTE BAND 5 MODE						
Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode	
ERP	20407 to 20643	20407, 20525, 20643	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset	
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset	
Occupied Bandwidth	20407 to 20643	20407, 20525, 20643	1.4MHz	QPSK, 16QAM	6 RB / 0 RB Offset	
	20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	15 RB / 0 RB Offset	
	20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset	
	20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset	
Conducted Emission	20407 to 20643	20525	1.4MHz	QPSK	1 RB / 0 RB Offset	
	20415 to 20635	20525	3MHz	QPSK	1 RB / 0 RB Offset	
	20425 to 20625	20525	5MHz	QPSK	1 RB / 0 RB Offset	
	20450 to 20600	20525	10MHz	QPSK	1 RB / 0 RB Offset	
Radiated Emission	20407 to 20643	20525	1.4MHz	QPSK	1 RB / 0 RB Offset	
	20450 to 20600	20525	10MHz	QPSK	1 RB / 0 RB Offset	
Band Edge	20407 to 20643	20407	1.4MHz	QPSK	1 RB / 0 RB Offset	
		20643	1.4MHz	QPSK	6 RB / 0 RB Offset	
	20415 to 20635	20415	3MHz	QPSK	1 RB / 5 RB Offset	
		20635	3MHz	QPSK	6 RB / 0 RB Offset	
	20425 to 20625	20425	5MHz	QPSK	1 RB / 0 RB Offset	
		20625	5MHz	QPSK	15 RB / 0 RB Offset	
	20450 to 20600	20450	10MHz	QPSK	1 RB / 14 RB Offset	
		20600	10MHz	QPSK	15 RB / 0 RB Offset	
	Peak To Average Ratio	20407 to 20643	20407, 20525, 20643	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20415 to 20635	20415, 20525, 20635	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20425 to 20625	20425, 20525, 20625	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20450 to 20600	20450, 20525, 20600	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
Frequency Stability	20407 to 20643	20525	1.4MHz	QPSK	1 RB / 0 RB Offset	
	20415 to 20635	20525	3MHz	QPSK	1 RB / 0 RB Offset	
	20425 to 20625	20525	5MHz	QPSK	1 RB / 0 RB Offset	
	20450 to 20600	20525	10MHz	QPSK	1 RB / 0 RB Offset	

EUT TEST CONDITIONS:

Test Item	Environmental Conditions	Test Voltage
ERP	25°C, 60%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 7 watts e.r.p.

4.1.2 TEST PROCEDURE

EIRP/ERP:

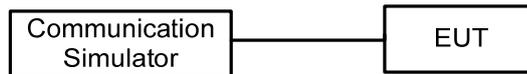
1. EIRP= Conducted Power +Antenan gain
ERP power=EIPR power-2.15dBi.

Conducted Power:

The EUT was set up for the maximum power with GSM, GPRS, EDGE, WCDMA 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

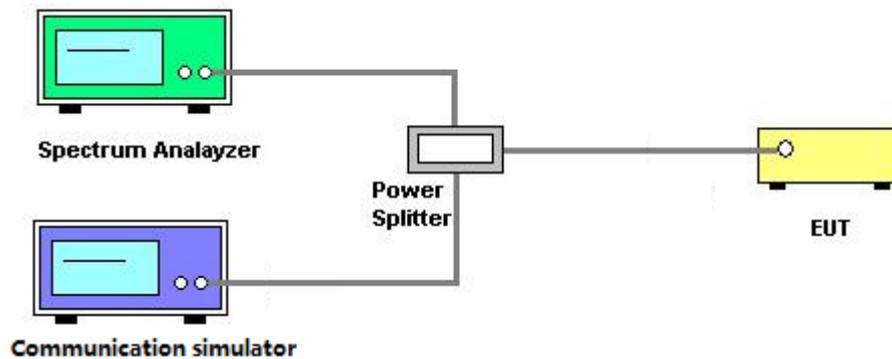
Please refer to the Attachment A.

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

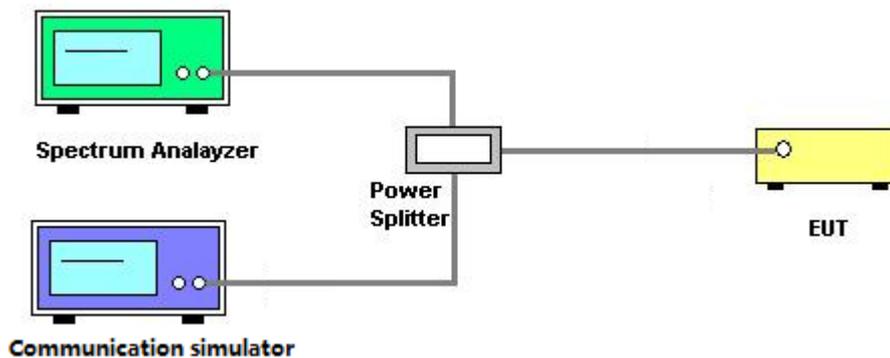
4.3.1 LIMIT

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 $RBW \geq 1\%$ 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 $43+10\log(P)$ dB below the transmitter power P(Watts)
 $=P(W)-[43+10\log(P)](dB)$
 $=[30+10\log(P)](dBm)-[43+10\log(P)](dB)$
 $=-13dBm$

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

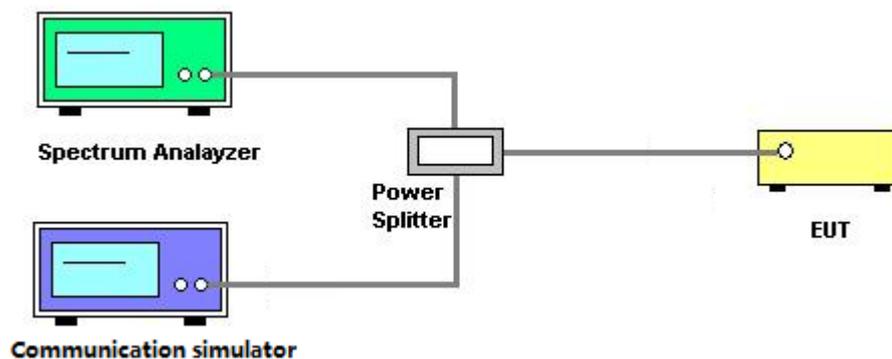
4.5.1 LIMIT

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.

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

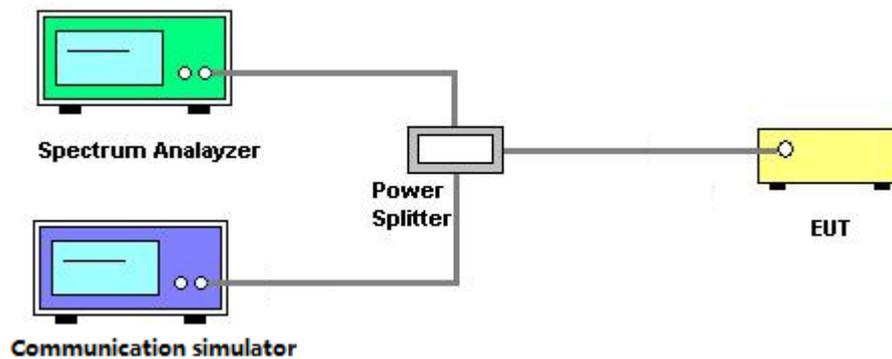
4.6.1 LIMIT

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 \geq 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

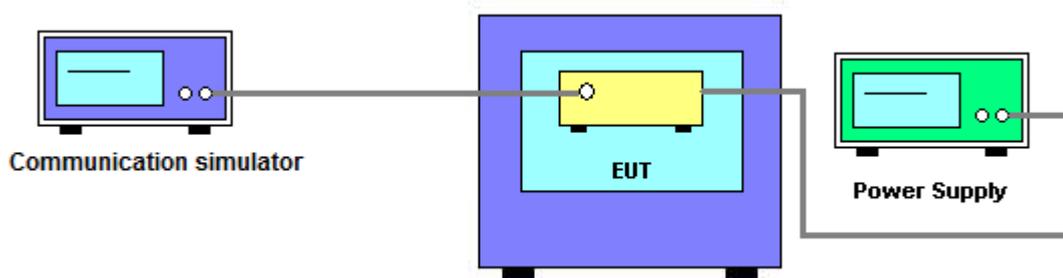
4.7.1 LIMIT

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 $\pm 0.5^{\circ}\text{C}$ 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	Wairwright Instruments Gmbh	WHK 1.5/15G-10ST	11	Mar. 10, 2017
7	Band Reject Filter	Wairwright Instruments Gmbh	WRCG 1710/1785-1690/180 5-60/12SS	38	Feb. 23, 2017
8	Band Reject Filter	Wairwright Instruments Gmbh	WRCG 824/849-810/863-60/ 9SS	7	Feb. 23, 2017
9	Band Reject Filter	Wairwright Instruments Gmbh	WRCG 880/915-860/935-60/ 9SS	14	Feb. 23, 2017
10	Band Reject Filter	Wairwright Instruments Gmbh	WRCG 1850/1910-1830/193 0-60/10SS	17	Feb. 23, 2017
11	HighPass Filter	Wairwright Instruments Gmbh	WHK3.1/18G-10SS	24	Mar. 10, 2017
12	Wireless Communication Test SET	Agilent	E5515C	MY48364183	Mar. 27, 2017
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
14	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
15	wideband radio communication tester	R&S	CMW500	152372	Mar. 27, 2017
16	High pass filter	ZHPF-M1000-4000-1	ZHPF-M3-12.75G-3869	B2015073763	Aug. 04, 2017
17	High pass filter	ZHPF-M3-12.75G-3869	ZHPF-M1000-4000-1	B2015073762	Aug. 04, 2017
18	High pass filter	ZHPF-M6-18G-1727	ZHPF-M6-186-1727	B2015073764	Aug. 04, 2017
19	Cable	emci	LMR-400(30MHz-1GHz)(8m+5m)	N/A	Jun. 27, 2017
20	Cable	emci	EMC104-SM-SM-12000(12m)	N/A	Jul. 06, 2017
21	Controller	ETS-Lindgren	2090	N/A	N/A
22	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	Wireless Communication Test SET	Agilent	E5515C	MY48364183	Mar. 27, 2017
2	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Mar. 27, 2017
3	POWER SPLITTER	Mini-Circuits	ZFRSC-123-S+	331000910-1	Feb. 26, 2017
4	wideband radio communication tester	R&S	CMW500	152372	Mar. 27, 2017
5	Cable	N/A	RG316(0.3m)	N/A	Jul. 06, 2017
6	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	Wireless Communication Test SET	Agilent	E5515C	MY48364183	Mar. 27, 2017
2	DC power supply	GW Instek	GPC-3030DN	EK880675	Oct. 13, 2017
3	POWER SPLITTER	Mini-Circuits	ZFRSC-123-S+	331000910-1	Feb. 26, 2017
4	wideband radio communication tester	R&S	CMW500	152372	Mar. 27, 2017
5	Const Temp, & Humidity Chamber	Giant?Force	ITH-225-20-S	IAB0309-001	Dec. 04, 2016
6	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



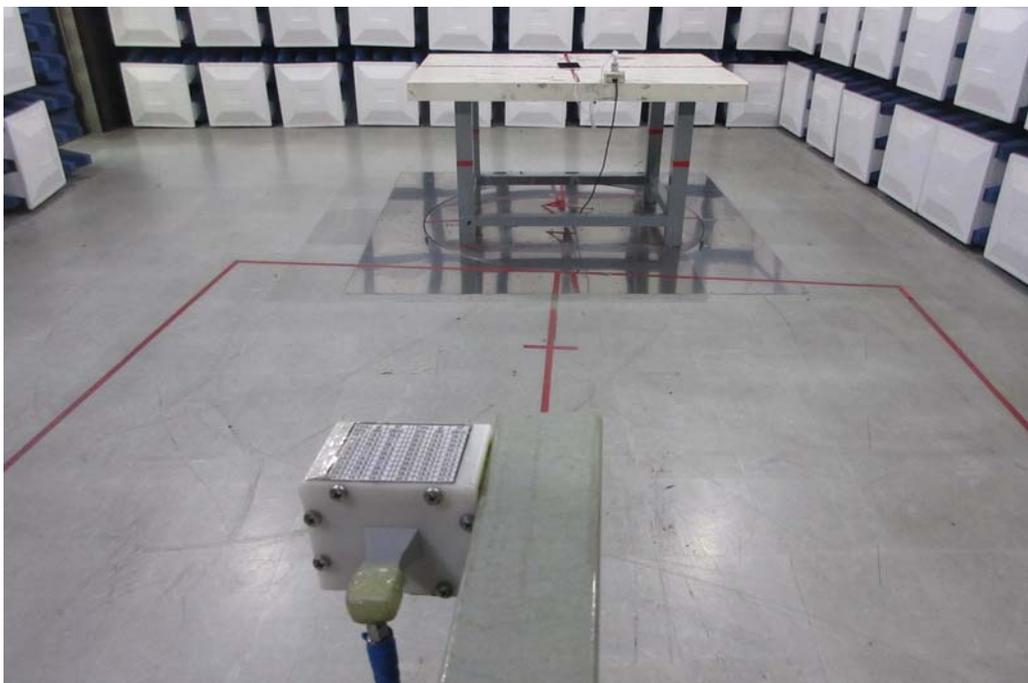
**Radiated Measurement Photos
Below 1GHz**



**Radiated Measurement Photos
1GHz to 18GHz**



**Radiated Measurement Photos
18GHz to 40GHz**



ATTACHMENT A - OUTPUT POWER

Conducted Power:

GSM850 (Capsensor Off)	Burst Conducted Power (dBm)		
	128CH	190CH	251CH
	824.2MHz	836.6MHz	848.8MHz
GSM (CS)	32.31	32.44	32.56
GPRS/EDGE (GMSK)	32.31	32.44	32.58
	30.25	30.33	30.37
	28.49	28.51	28.50
	26.62	26.63	26.65
EDGE (8PSK)	26.59	26.73	26.60
	26.52	26.61	26.51
	24.71	24.80	24.58
	22.57	22.62	22.60

Modulation	Band	WCDMA V(Capsensor Off)		
	Tx Channel	4132CH	4182CH	4233CH
	Rx Channel	4357CH	4407CH	4458CH
	Frequency	826.4MHz	836.4MHz	846.6MHz
BPSK	RMC 12.2K	23.27	23.26	23.32
	RMC 64K	23.25	23.24	23.30
	RMC 144K	23.21	23.25	23.28
	RMC 384K	23.26	23.23	23.26
16QAM	HSDPA Subtest-1	23.16	23.02	23.33
	HSDPA Subtest-2	22.96	22.84	23.03
	HSDPA Subtest-3	22.73	22.56	22.77
	HSDPA Subtest-4	22.70	22.54	22.79
16QAM	HSUPA Subtest-1	21.53	21.42	21.65
	HSUPA Subtest-2	20.24	20.06	20.22
	HSUPA Subtest-3	20.32	20.13	20.25
	HSUPA Subtest-4	20.08	19.96	20.06
	HSUPA Subtest-5	20.97	20.97	21.12

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				20407 CH	20525 CH	20643 CH
				824.7 MHz	836.5 MHz	848.3 MHz
5 / 1.4M	QPSK	1	0	23.60	23.24	23.20
		1	2	23.62	23.21	23.24
		1	5	23.57	23.22	23.20
		3	0	23.49	23.25	23.31
		3	1	23.54	23.28	23.32
		3	3	23.42	23.28	23.30
	16QAM	6	0	22.08	21.72	21.89
		1	0	22.03	21.63	21.57
		1	2	21.92	21.62	21.52
		1	5	21.95	21.60	21.52
		3	0	22.41	22.05	22.09
		3	1	22.43	22.03	22.15
		3	3	22.44	22.03	22.17
		6	0	21.02	21.06	21.27

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				20415 CH	20525 CH	20635 CH
				825.5 MHz	836.5 MHz	847.5 MHz
5 / 3M	QPSK	1	0	23.49	23.47	23.47
		1	7	23.47	23.36	23.38
		1	14	23.58	23.28	23.40
		8	0	22.09	21.86	21.95
		8	3	22.14	21.71	21.92
		8	7	22.05	21.73	21.91
	16QAM	15	0	22.13	21.85	21.94
		1	0	21.54	21.60	21.60
		1	7	21.56	21.59	21.52
		1	14	21.58	21.62	21.56
		8	0	21.15	21.19	21.34
		8	3	21.21	21.57	21.30
		8	7	21.26	21.58	21.29
		15	0	21.15	21.13	21.24

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				20425 CH	20525 CH	20625 CH
				826.5 MHz	836.5 MHz	846.5 MHz
5 / 5M	QPSK	1	0	23.61	23.28	23.50
		1	12	23.66	23.27	23.40
		1	24	23.65	23.23	23.46
		12	0	22.08	21.73	21.96
		12	6	22.10	21.74	21.88
		12	13	22.09	21.66	21.76
		25	0	22.10	21.72	21.88
	16QAM	1	0	22.00	21.54	22.21
		1	12	22.02	21.51	22.16
		1	24	21.99	21.51	22.09
		12	0	21.02	21.08	21.29
		12	6	21.22	21.20	21.34
		12	13	21.14	21.51	21.22
		25	0	21.05	21.03	21.14

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				20450 CH	20525 CH	20600 CH
				829.0 MHz	836.5 MHz	844.0 MHz
5 / 10M	QPSK	1	0	23.59	23.76	23.44
		1	24	23.56	23.46	23.41
		1	49	23.56	23.61	23.35
		25	0	22.29	22.03	22.15
		25	12	22.27	21.91	22.14
		25	25	22.25	21.92	22.07
		50	0	22.19	21.99	22.17
	16QAM	1	0	21.77	22.34	21.60
		1	24	21.77	22.11	21.64
		1	49	21.74	22.26	21.52
		25	0	21.08	21.22	21.70
		25	12	21.19	21.22	21.60
		25	25	21.42	21.52	21.51
		50	0	21.18	21.16	21.56

ERP Power:

GSM850 (Capsensor Off)	ERP Power (dBm)		
	128CH	190CH	251CH
	824.2MHz	836.6MHz	848.8MHz
GSM (CS)	28.11	28.24	28.36
GPRS/EDGE (GMSK)	28.11	28.24	28.38
	26.05	26.13	26.17
	24.29	24.31	24.30
	22.42	22.43	22.45
EDGE (8PSK)	22.39	22.53	22.40
	22.32	22.41	22.31
	20.51	20.60	20.38
	18.37	18.42	18.40

Modulation	Band	WCDMA V(Capsensor Off)		
	Tx Channel	4132CH	4182CH	4233CH
	Rx Channel	4357CH	4407CH	4458CH
	Frequency	826.4MHz	836.4MHz	846.6MHz
BPSK	RMC 12.2K	19.07	19.06	19.12
	RMC 64K	19.05	19.04	19.10
	RMC 144K	19.01	19.05	19.08
	RMC 384K	19.06	19.03	19.06
16QAM	HSDPA Subtest-1	18.96	18.82	19.13
	HSDPA Subtest-2	18.76	18.64	18.83
	HSDPA Subtest-3	18.53	18.36	18.57
	HSDPA Subtest-4	18.50	18.34	18.59
16QAM	HSUPA Subtest-1	17.33	17.22	17.45
	HSUPA Subtest-2	16.04	15.86	16.02
	HSUPA Subtest-3	16.12	15.93	16.05
	HSUPA Subtest-4	15.88	15.76	15.86
	HSUPA Subtest-5	16.77	16.77	16.92

LTE Band / BW	Modulation	RB Siset	RB Offset	Low CH	Mid CH	High CH
				20407 CH	20525 CH	20643 CH
				824.7 MHz	836.5 MHz	848.3 MHz
5 / 1.4M	QPSK	1	0	19.40	19.04	19.00
		1	2	19.42	19.01	19.04
		1	5	19.37	19.02	19.00
		3	0	19.29	19.05	19.11
		3	1	19.34	19.08	19.12
		3	3	19.22	19.08	19.10
	16QAM	1	0	17.83	17.43	17.37
		1	2	17.72	17.42	17.32
		1	5	17.75	17.40	17.32
		3	0	18.21	17.85	17.89
		3	1	18.23	17.83	17.95
		3	3	18.24	17.83	17.97
		6	0	16.82	16.86	17.07

LTE Band / BW	Modulation	RB Siset	RB Offset	Low CH	Mid CH	High CH
				20415 CH	20525 CH	20635 CH
				825.5 MHz	836.5 MHz	847.5 MHz
5 / 3M	QPSK	1	0	19.29	19.27	19.27
		1	7	19.27	19.16	19.18
		1	14	19.38	19.08	19.20
		8	0	17.89	17.66	17.75
		8	3	17.94	17.51	17.72
		8	7	17.85	17.53	17.71
	16QAM	15	0	17.93	17.65	17.74
		1	0	17.34	17.40	17.40
		1	7	17.36	17.39	17.32
		1	14	17.38	17.42	17.36
		8	0	16.95	16.99	17.14
		8	3	17.01	17.37	17.10
		8	7	17.06	17.38	17.09
		15	0	16.95	16.93	17.04

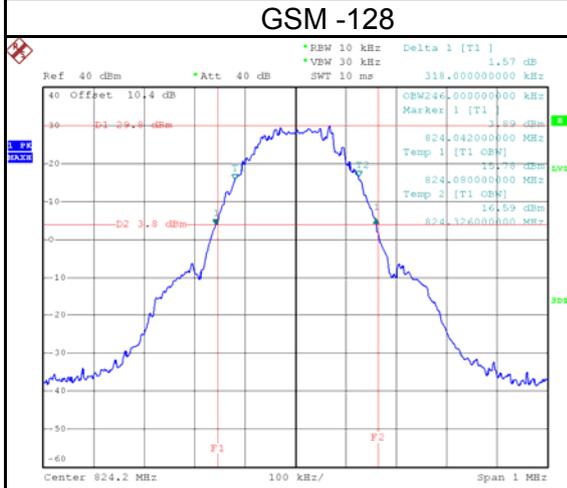
LTE Band / BW	Modulation	RB Siset	RB Offset	Low CH	Mid CH	High CH
				20425 CH	20525 CH	20625 CH
				826.5 MHz	836.5 MHz	846.5 MHz
5 / 5M	QPSK	1	0	19.41	19.08	19.30
		1	12	19.46	19.07	19.20
		1	24	19.45	19.03	19.26
		12	0	17.88	17.53	17.76
		12	6	17.90	17.54	17.68
		12	13	17.89	17.46	17.56
	16QAM	25	0	17.90	17.52	17.68
		1	0	17.80	17.34	18.01
		1	12	17.82	17.31	17.96
		1	24	17.79	17.31	17.89
		12	0	16.82	16.88	17.09
		12	6	17.02	17.00	17.14
		12	13	16.94	17.31	17.02
		25	0	16.85	16.83	16.94

LTE Band / BW	Modulation	RB Sizer	RB Offset	Low CH	Mid CH	High CH
				20450 CH	20525 CH	20600 CH
				829.0 MHz	836.5 MHz	844.0 MHz
5 / 10M	QPSK	1	0	19.39	19.56	19.24
		1	24	19.36	19.26	19.21
		1	49	19.36	19.41	19.15
		25	0	18.09	17.83	17.95
		25	12	18.07	17.71	17.94
		25	25	18.05	17.72	17.87
		50	0	17.99	17.79	17.97
	16QAM	1	0	17.57	18.14	17.40
		1	24	17.57	17.91	17.44
		1	49	17.54	18.06	17.32
		25	0	16.88	17.02	17.5
		25	12	16.99	17.02	17.4
		25	25	17.22	17.32	17.31
		50	0	16.98	16.96	17.36

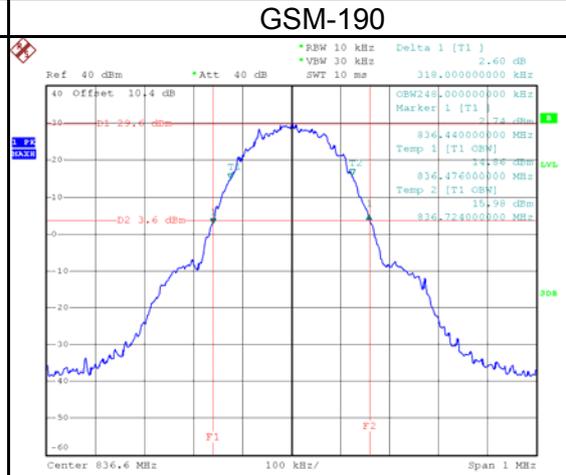
ATTACHMENT B - OCCUPIED BANDWIDTH

GSM850					
GSM			EDGE		
CS			8PSK		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
128	824.2	0.246	128	824.2	0.242
190	836.6	0.248	190	836.6	0.244
251	848.8	0.244	251	848.8	0.244
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
128	824.2	0.318	128	824.2	0.308
190	836.6	0.318	190	836.6	0.308
251	848.8	0.314	251	848.8	0.314

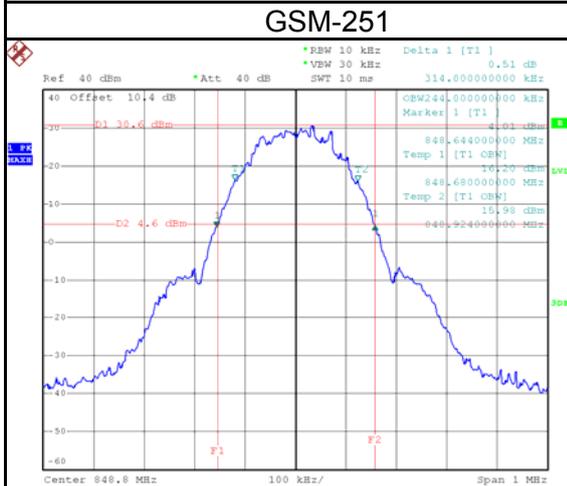
Spectrum Plot



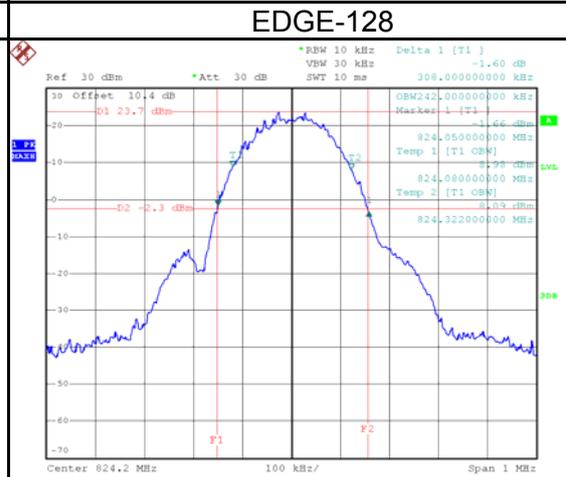
Date: 31.AUG.2016 19:55:08



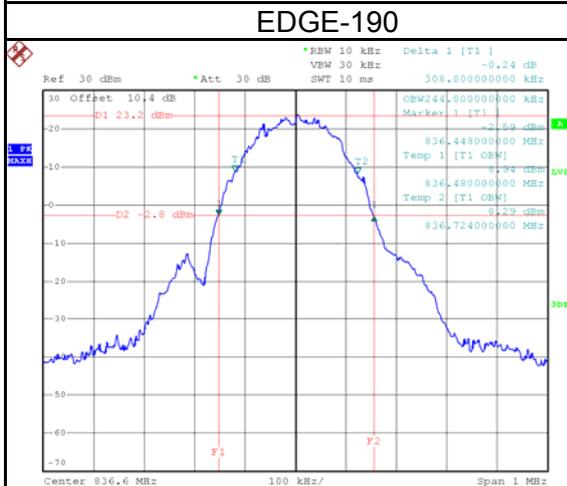
Date: 31.AUG.2016 19:51:30



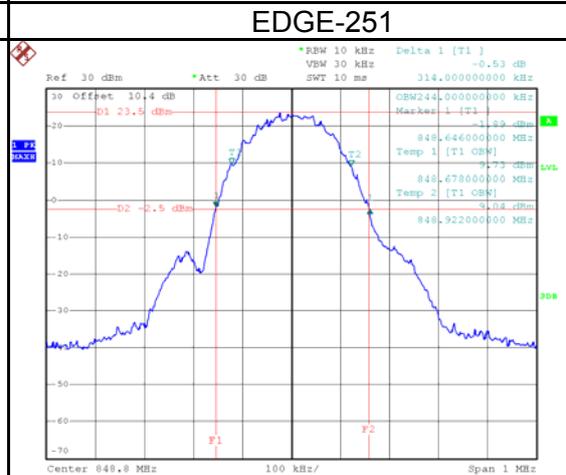
Date: 31.AUG.2016 19:57:04



Date: 31.AUG.2016 22:05:09



Date: 31.AUG.2016 22:09:06



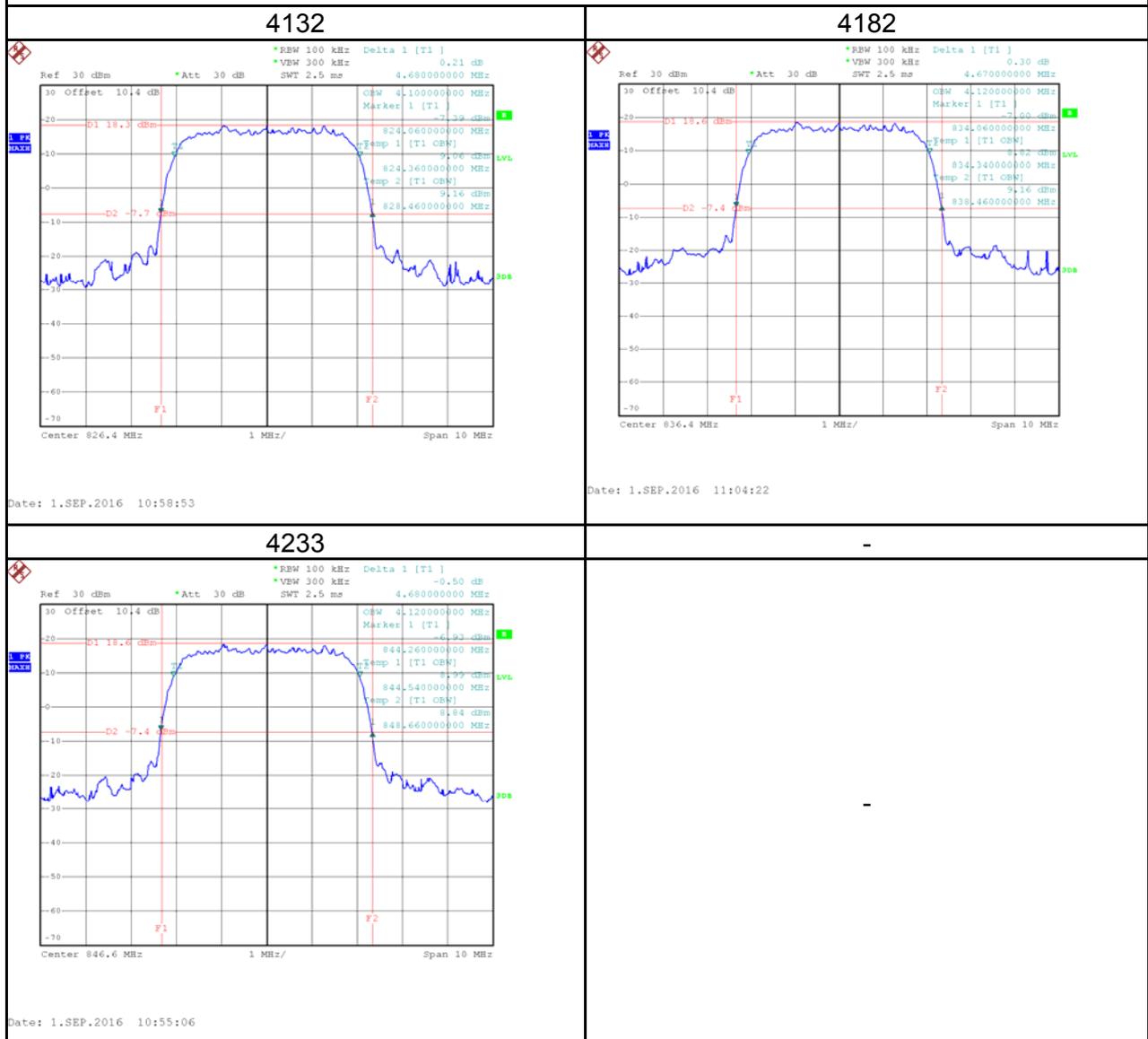
Date: 31.AUG.2016 22:01:09

WCDMA Band V

BPSK

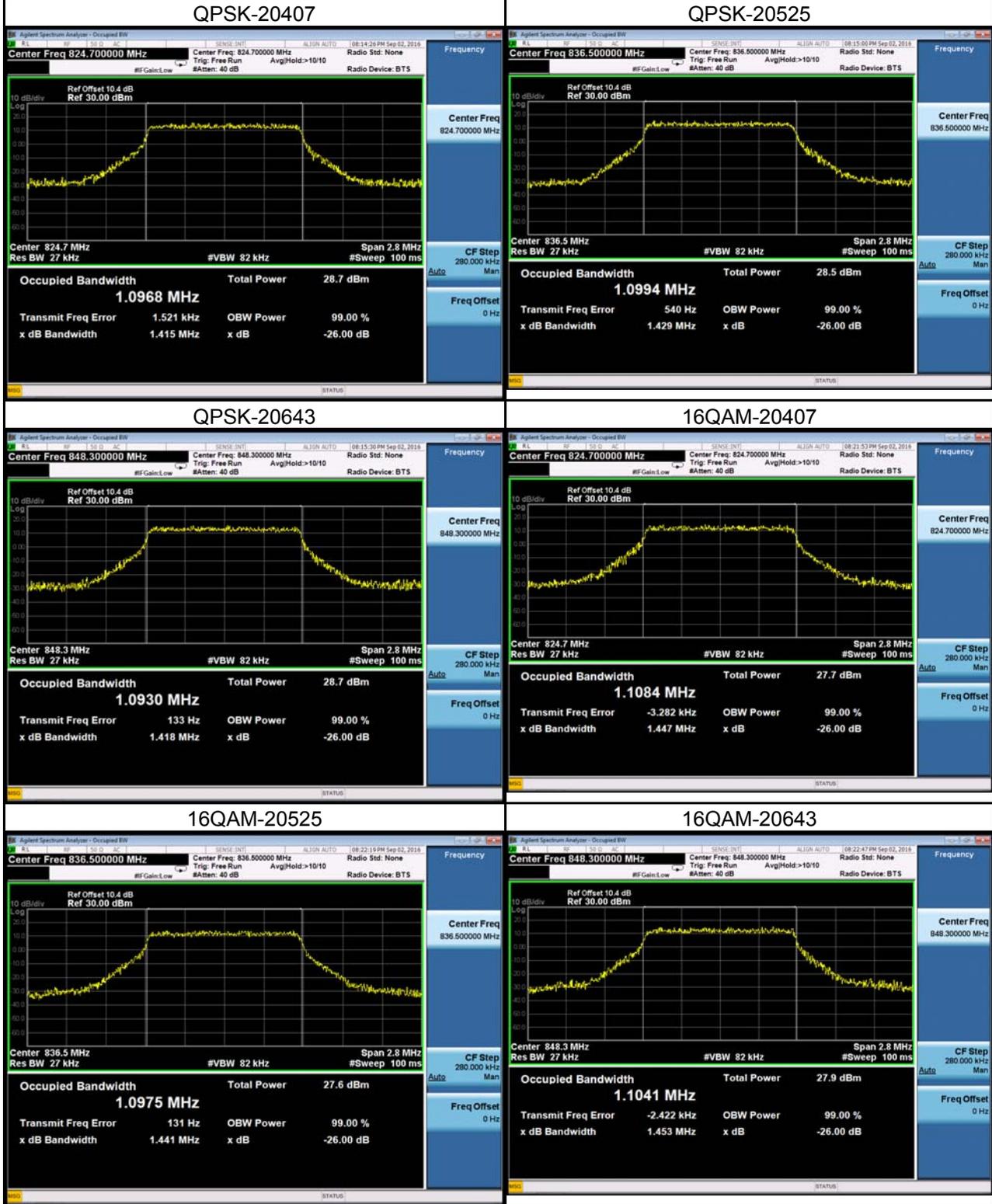
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
4132	826.4	4.10	4132	826.4	4.68
4182	836.4	4.12	4182	836.4	4.67
4233	846.6	4.12	4233	846.6	4.68

Spectrum Plot



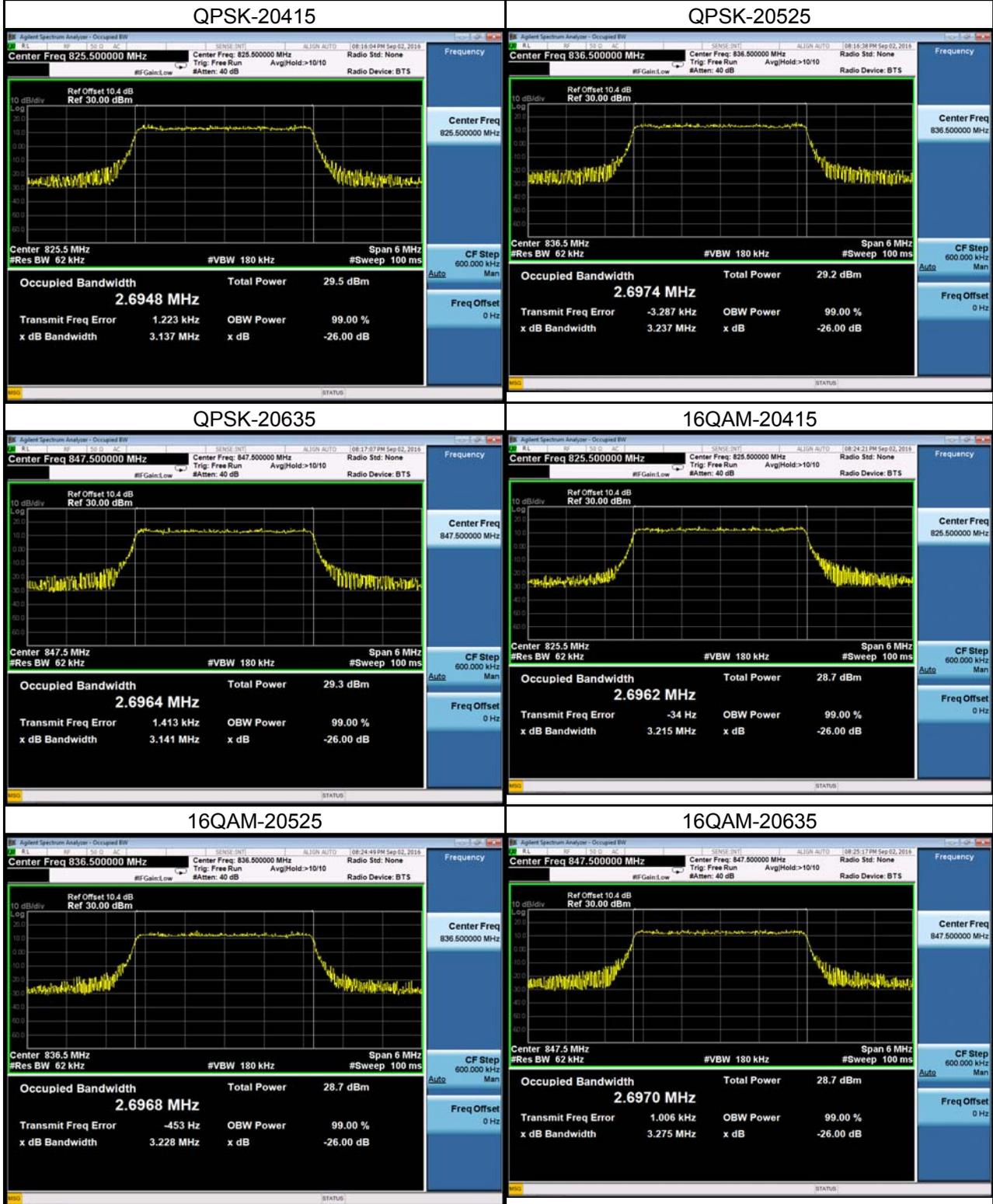
LTE Band 5_1.4M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20407	824.7	1.0968	20407	824.7	1.1084
20525	836.5	1.0994	20525	836.5	1.0975
20643	848.3	1.0930	20643	848.3	1.1041
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20407	824.7	1.415	20407	824.7	1.447
20525	836.5	1.429	20525	836.5	1.441
20643	848.3	1.418	20643	848.3	1.453

Spectrum Plot



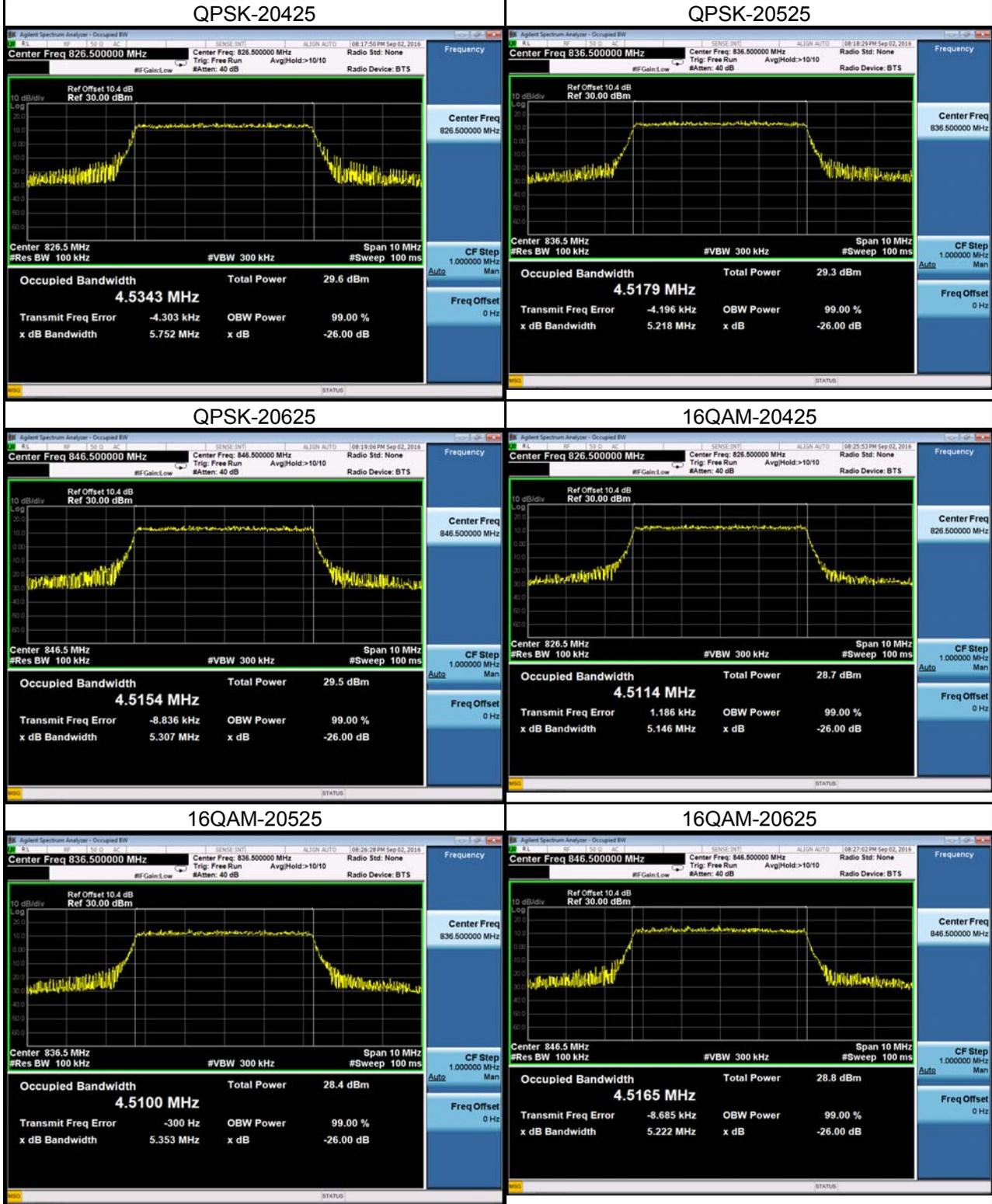
LTE Band 5_3M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20415	825.5	2.6948	20415	825.5	2.6962
20525	836.5	2.6974	20525	836.5	2.6968
20635	847.5	2.694	20635	847.5	2.6970
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20415	825.5	3.137	20415	825.5	3.215
20525	836.5	3.237	20525	836.5	3.228
20635	847.5	3.141	20635	847.5	3.237

Spectrum Plot



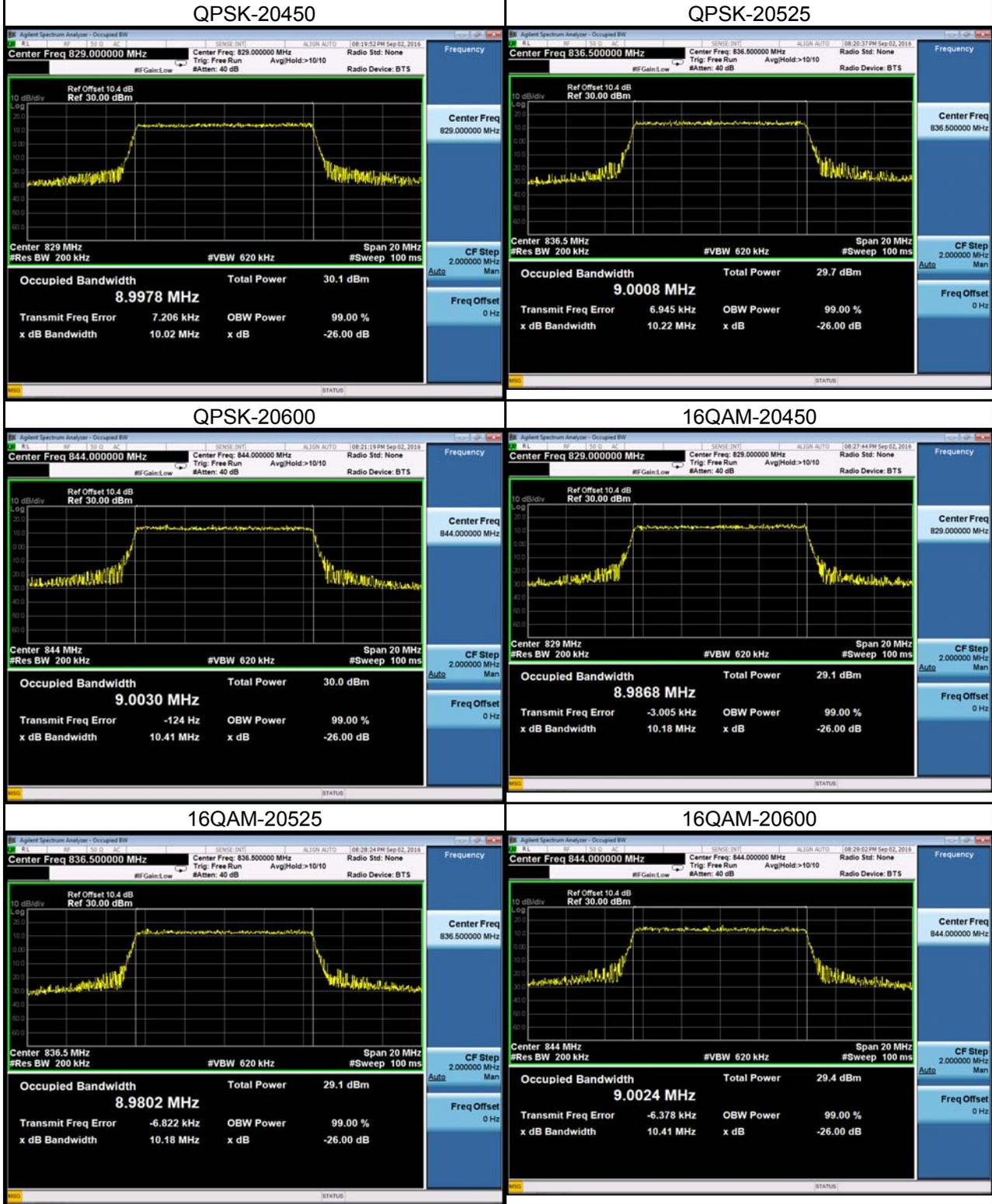
LTE Band 5_5M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20425	826.5	4.5343	20425	826.5	4.5114
20525	836.5	4.5179	20525	836.5	4.5100
20625	846.5	4.5154	20625	846.5	4.5165
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20425	826.5	5.752	20425	826.5	5.146
20525	836.5	5.218	20525	836.5	5.353
20625	846.5	5.307	20625	846.5	5.222

Spectrum Plot



LTE Band 5_10M					
QPSK			16QAM		
Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)
20450	829.0	8.9978	20450	829.0	8.9868
20525	836.5	9.0008	20525	836.5	8.9802
20600	844.0	9.0030	20600	844.0	9.0024
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	Channel	Frequency (MHz)	26dB Bandwidth (MHz)
20450	829.0	10.02	20450	829.0	10.18
20525	836.5	10.22	20525	836.5	10.18
20600	844.0	10.41	20600	844.0	10.41

Spectrum Plot



ATTACHMENT C - CONDUCTED EMISSIONS

GSM850			
GSM		GSM	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
190	836.6	190	836.6
Date: 31.AUG.2016 20:40:17		Date: 31.AUG.2016 20:43:15	
GSM		EDGE	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
190	836.6	190	836.6
Date: 31.AUG.2016 20:33:14		Date: 31.AUG.2016 20:48:47	
EDGE		EDGE	
Channel	Frequency(MHz)	Channel	Frequency(MHz)
190	836.6	190	836.6
Date: 31.AUG.2016 20:46:42		Date: 31.AUG.2016 21:20:02	

WCDMA Band V			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
4182	836.4	4182	836.4
<p>Ref: 20 dBm *Att: 30 dB *RBW: 3 kHz *VBW: 3 kHz SWF: 145 ms Marker 1 [T1] -52.01 dBm 9.28200000 kHz</p> <p>Date: 1.SEP.2016 15:11:12</p>		<p>Ref: 20 dBm *Att: 30 dB *RBW: 30 kHz *VBW: 30 kHz SWF: 200 ms Marker 1 [T1] -50.65 dBm 150.00000000 kHz</p> <p>Date: 1.SEP.2016 15:12:37</p>	
Channel	Frequency(MHz)	-	-
4182	836.4	-	-
<p>Ref: 30 dBm *Att: 30 dB *RBW: 1 MHz *VBW: 3 MHz SWF: 200 ms Marker 1 [T1] -34.99 dBm 3.140640000 GHz</p> <p>Date: 1.SEP.2016 10:36:38</p>		-	

LTE Band 5_1.4M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20525	836.5	20525	836.5
Channel	Frequency(MHz)	-	-
20525	836.5	-	-
		-	

LTE Band 5_3M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20525	836.5	20525	836.5
Channel	Frequency(MHz)	-	-
20525	836.5	-	-

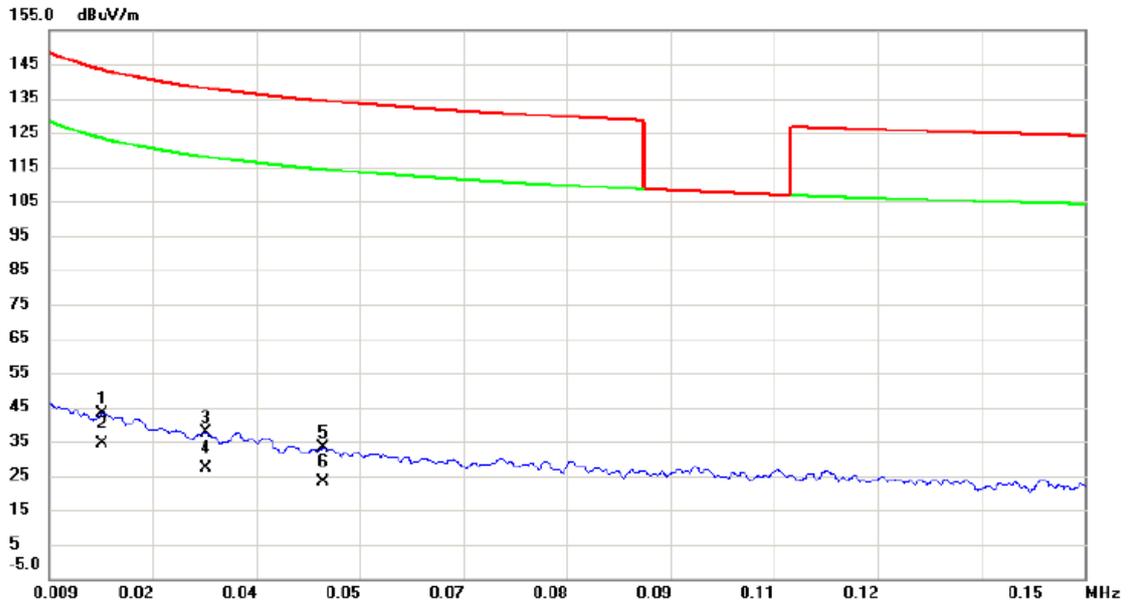
LTE Band 5_5M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20525	836.5	20525	836.5
Date: 14.SEP.2016 14:57:14		Date: 14.SEP.2016 14:58:46	
Channel	Frequency(MHz)	-	-
20525	836.5	-	-
		-	

LTE Band 5_10M			
Channel	Frequency(MHz)	Channel	Frequency(MHz)
20525	836.5	20525	836.5
Date: 14.SEP.2016 14:57:31		Date: 14.SEP.2016 14:59:21	
Channel	Frequency(MHz)	-	-
20525	836.5	-	-

ATTACHMENT D - RADIATED EMISSION

Test Mode: TX Mode(Adapter: Phitek)

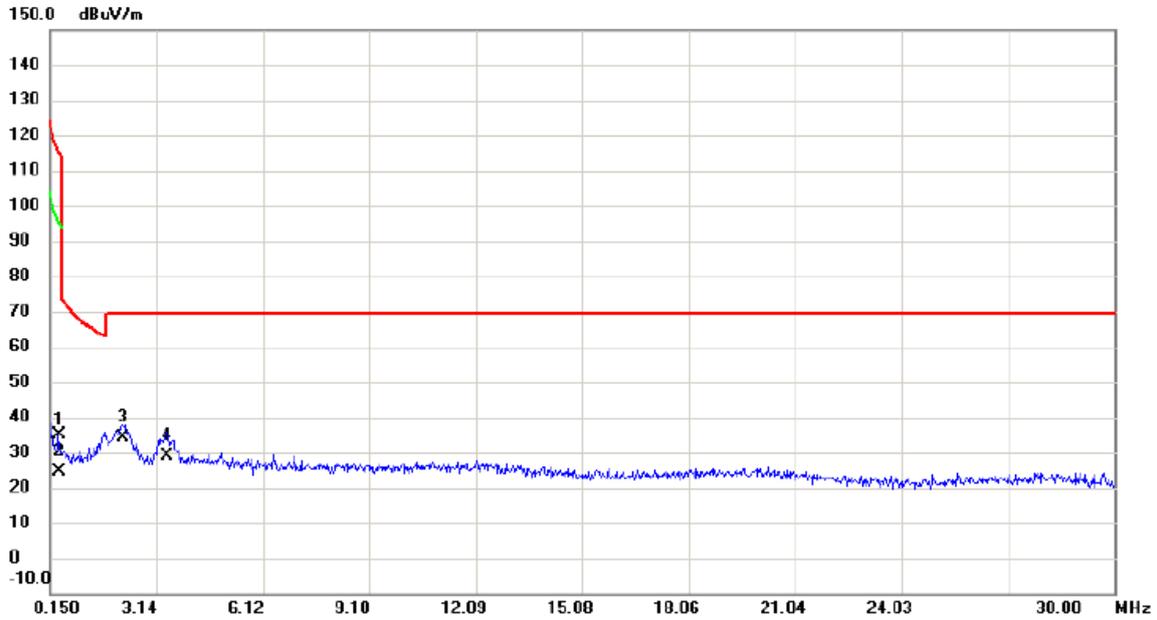
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

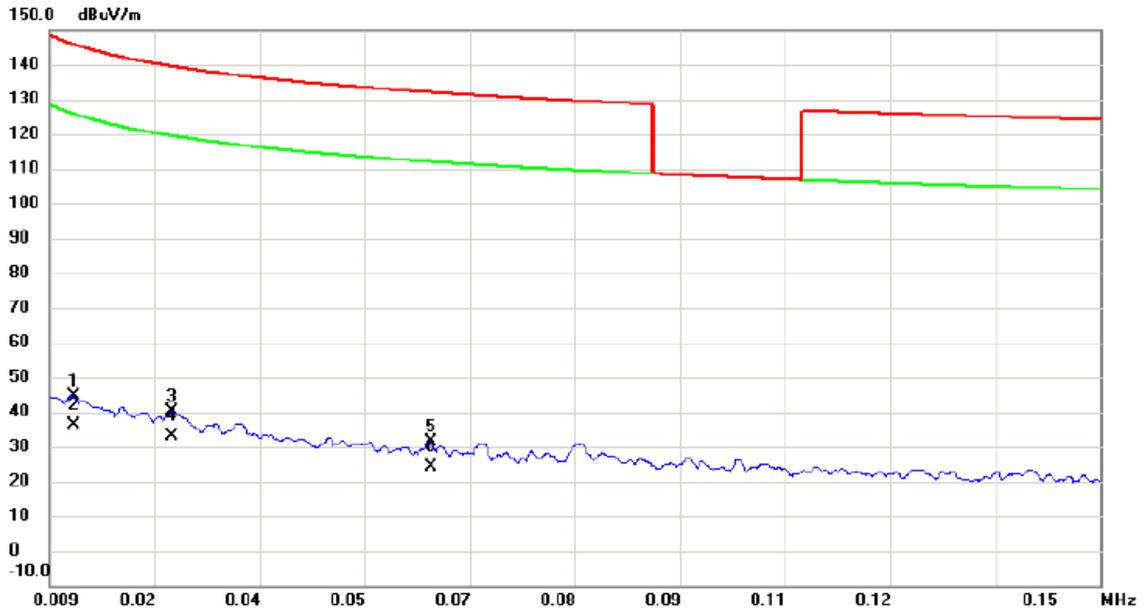
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

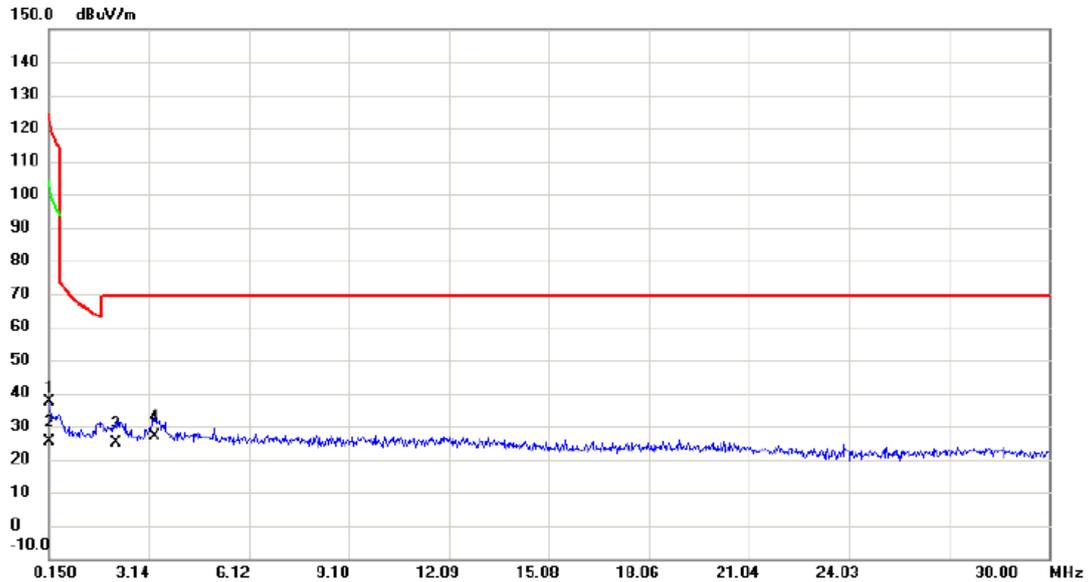
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

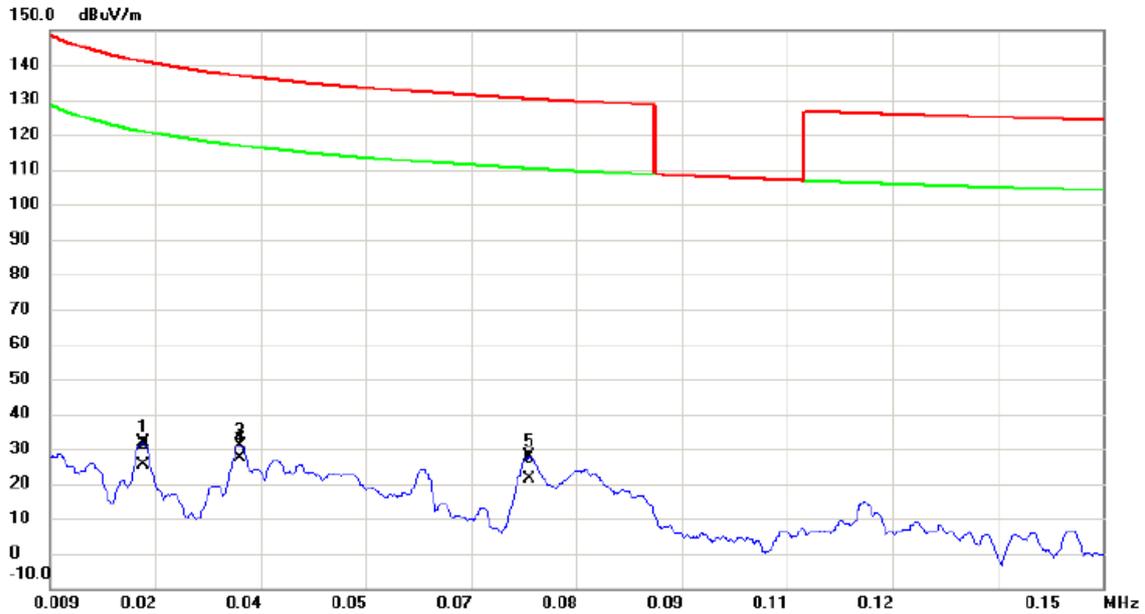
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

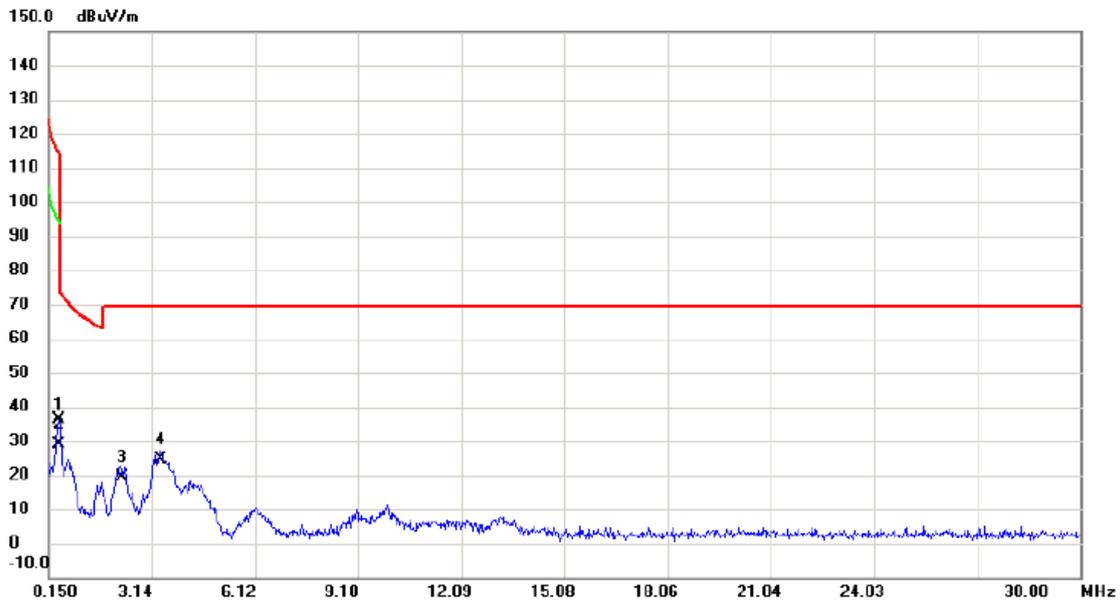
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

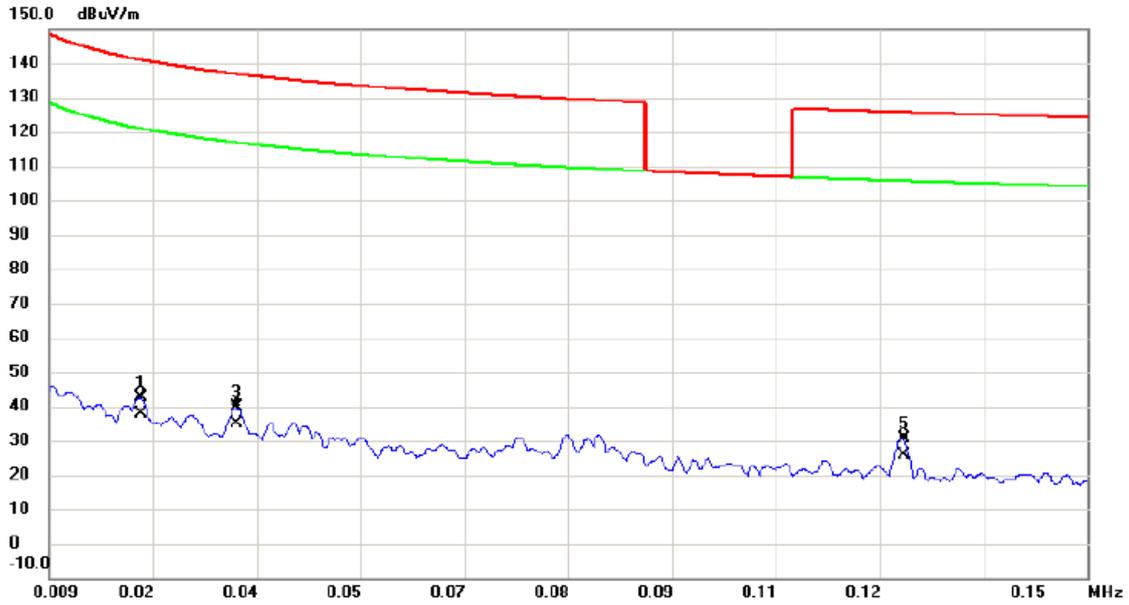
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

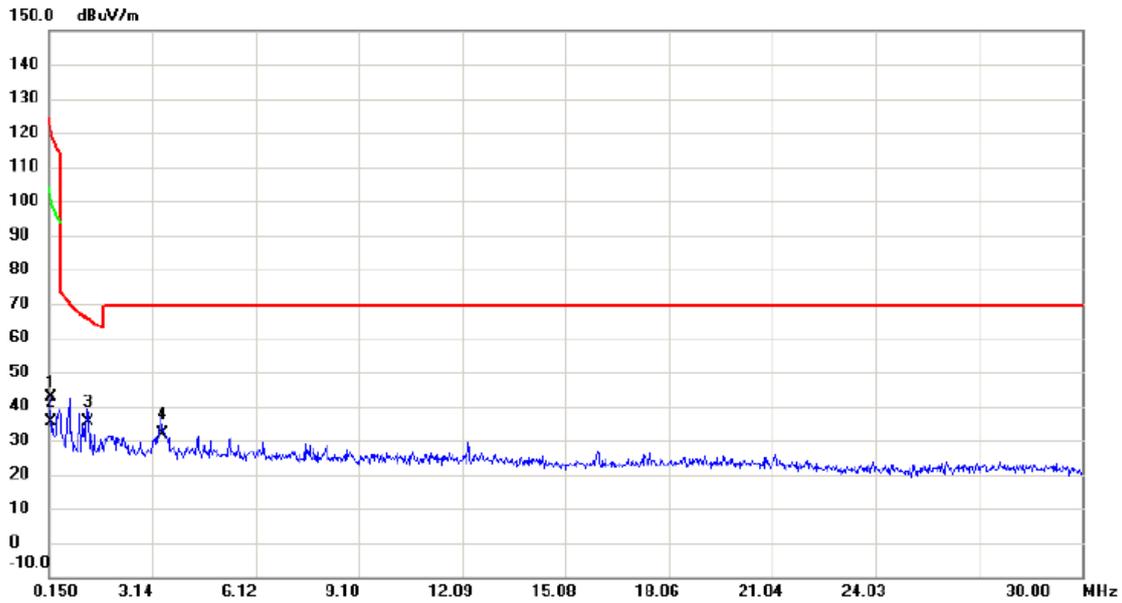
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

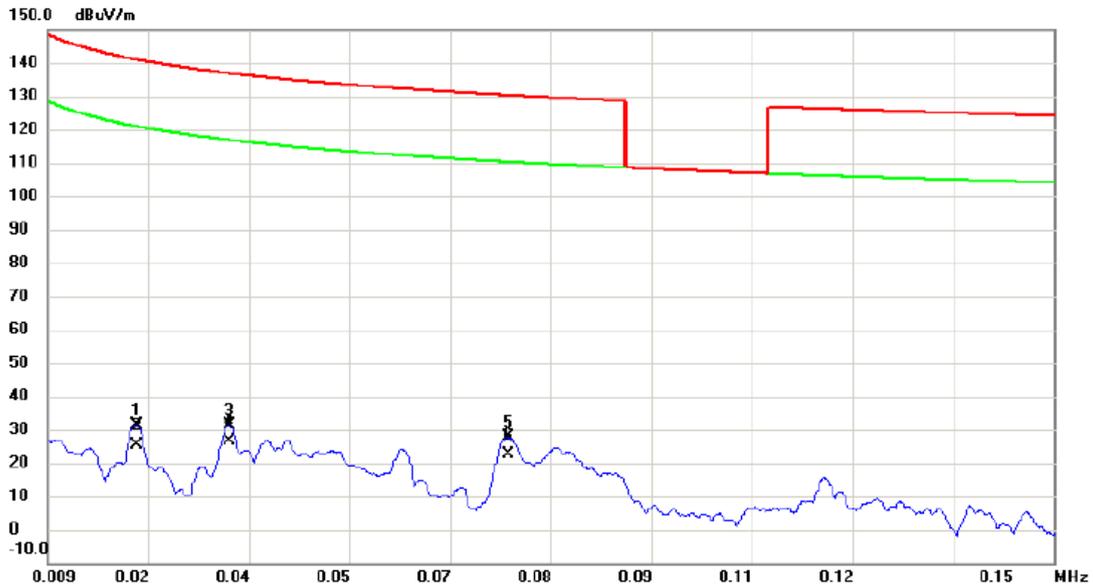
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

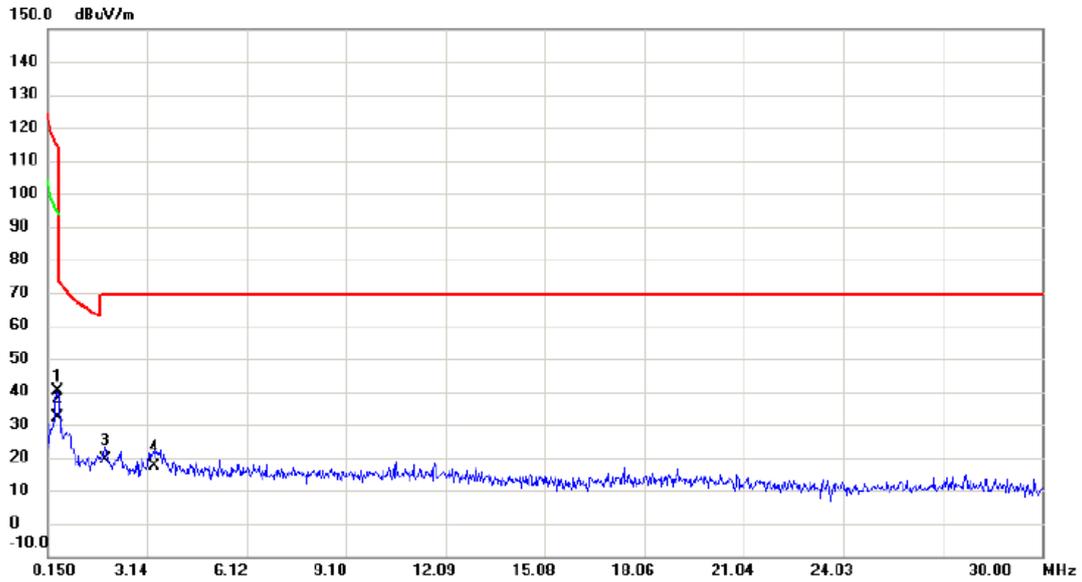
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

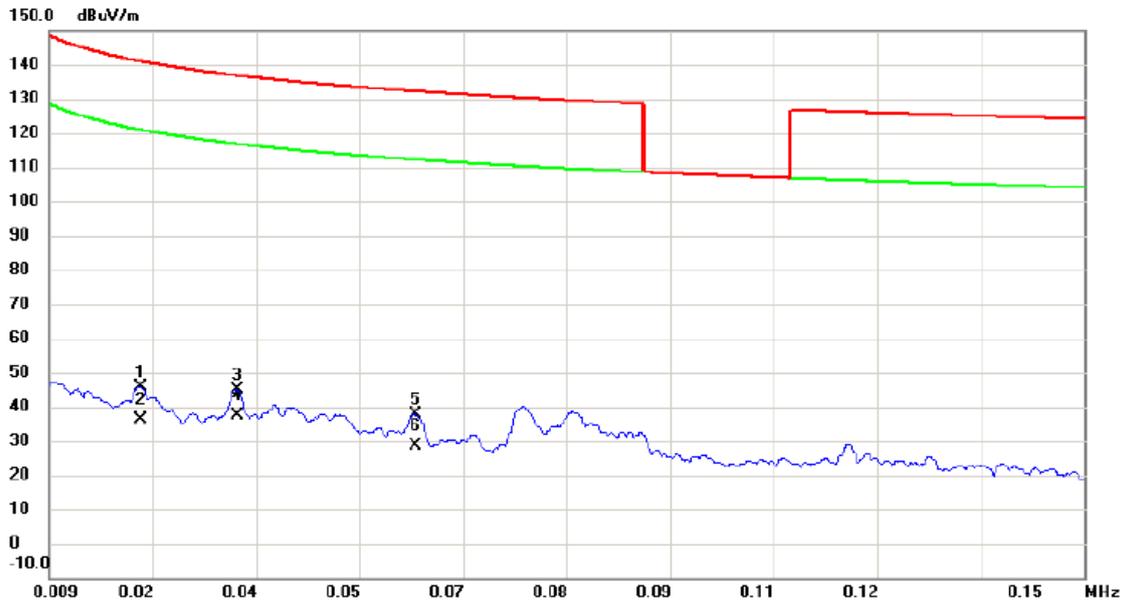
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

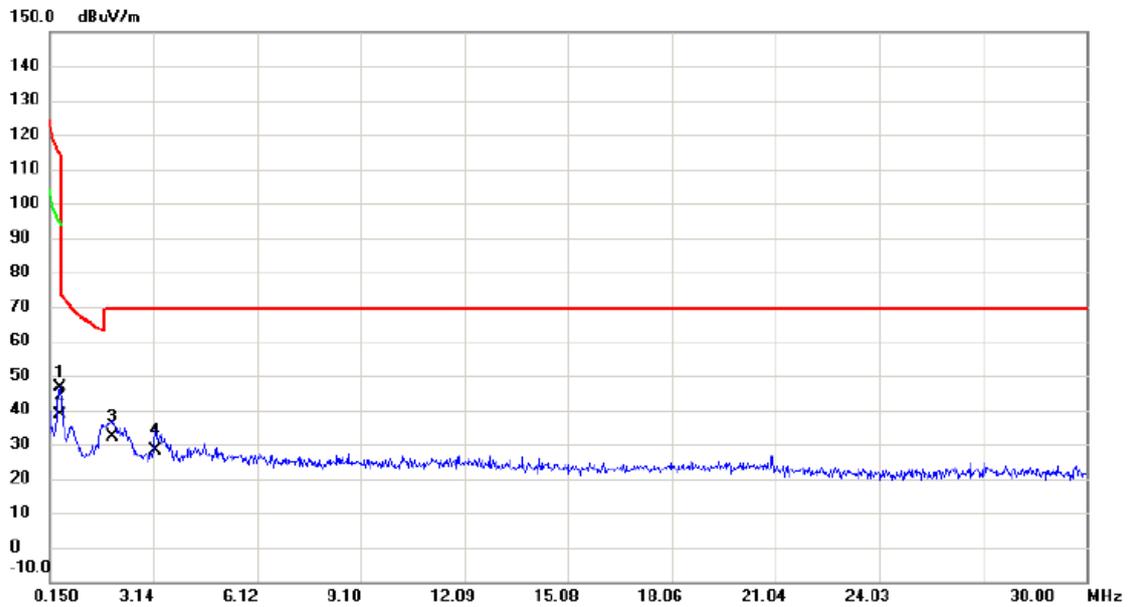
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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)

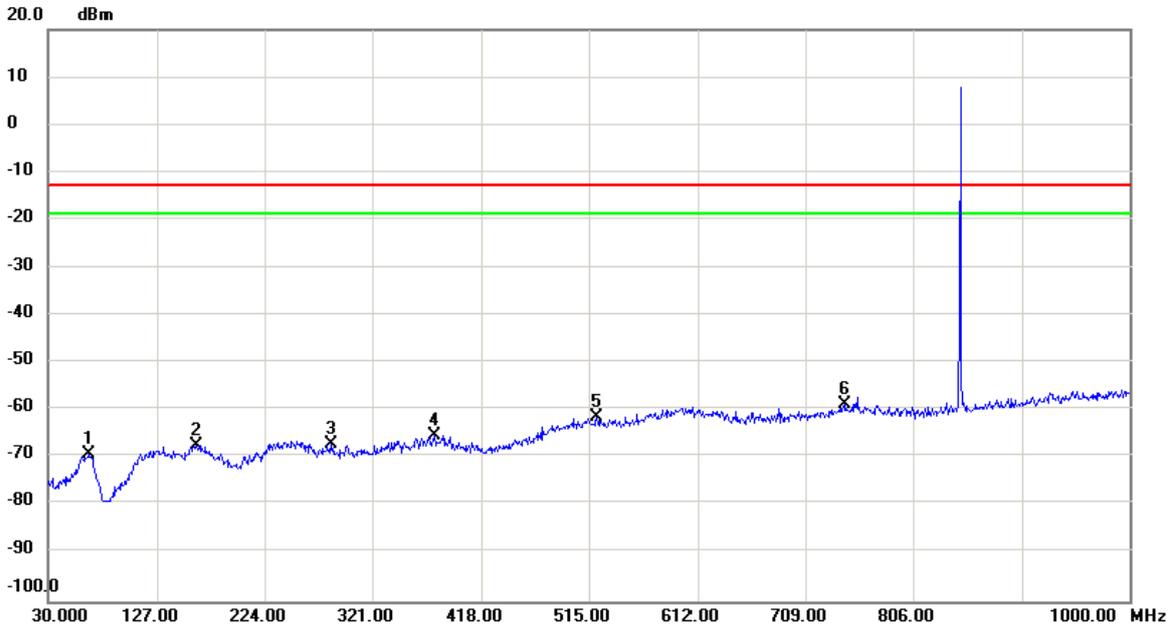
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin 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: GSM850_TX CH190_GSM

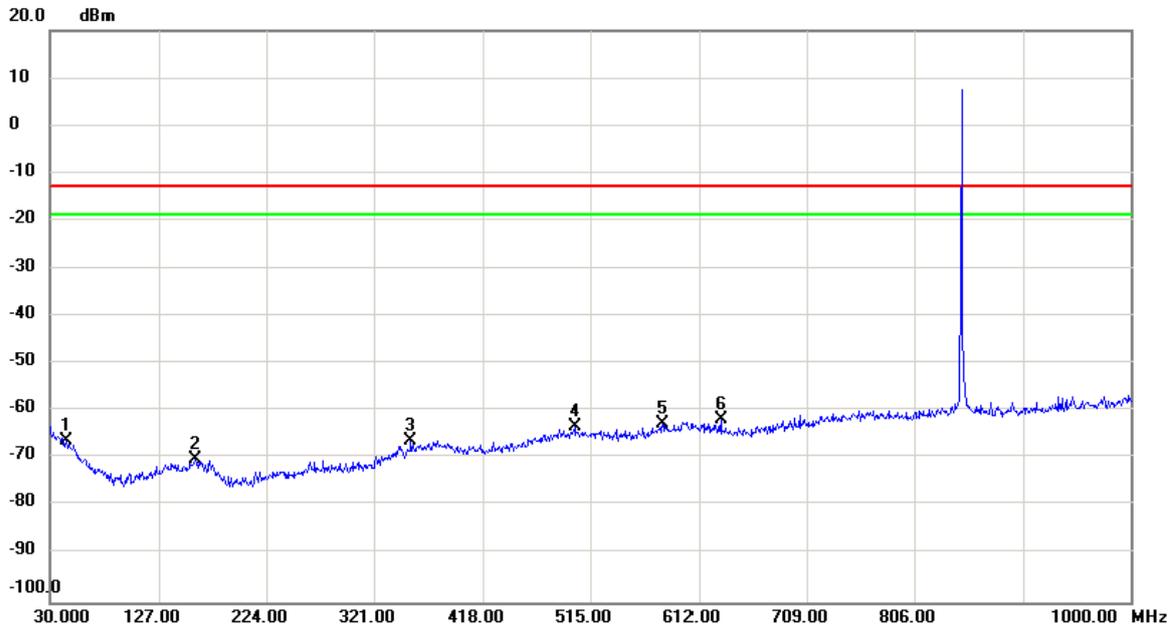
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		67.3450	-80.65	11.28	-69.37	-13.00	-56.37	peak	
2		162.4050	-80.77	13.31	-67.46	-13.00	-54.46	peak	
3		283.6550	-80.36	13.21	-67.15	-13.00	-54.15	peak	
4		375.3200	-80.31	14.91	-65.40	-13.00	-52.40	peak	
5		522.2750	-79.39	17.83	-61.56	-13.00	-48.56	peak	
6	*	744.8900	-79.43	20.63	-58.80	-13.00	-45.80	peak	

Test Mode: GSM850_TX CH190_GSM

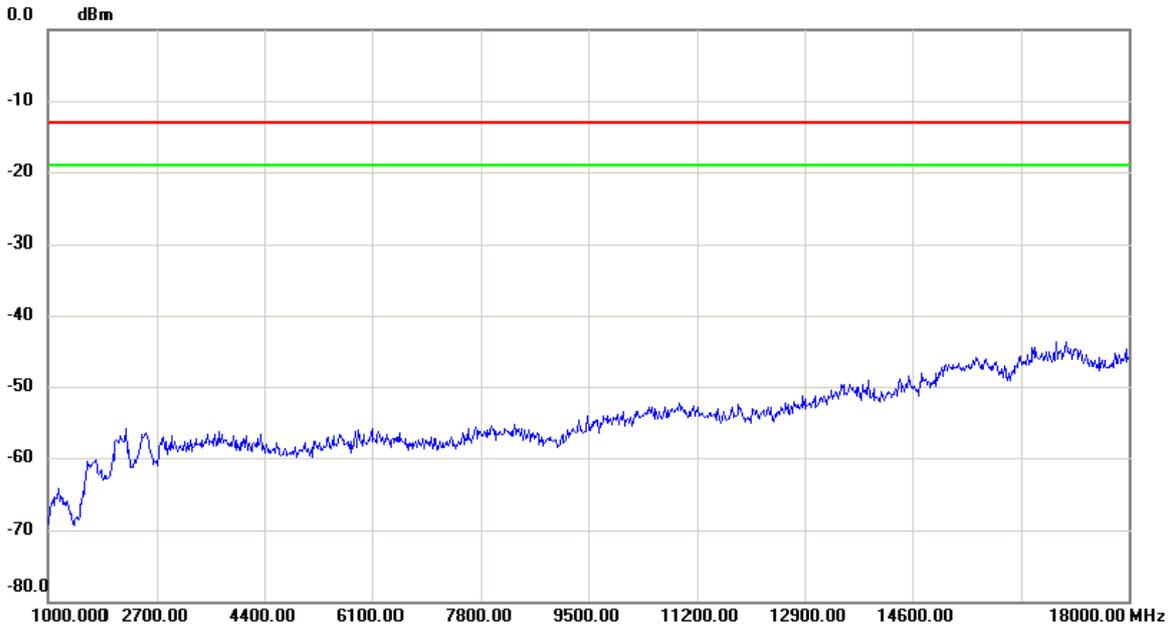
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		44.5500	-80.33	13.98	-66.35	-13.00	-53.35	peak	
2		159.9800	-80.88	10.79	-70.09	-13.00	-57.09	peak	
3		353.0100	-79.88	13.74	-66.14	-13.00	-53.14	peak	
4		500.9350	-79.14	15.95	-63.19	-13.00	-50.19	peak	
5		579.9900	-79.28	16.60	-62.68	-13.00	-49.68	peak	
6	*	631.8850	-77.90	16.28	-61.62	-13.00	-48.62	peak	

Test Mode: GSM850_TX CH190_GSM

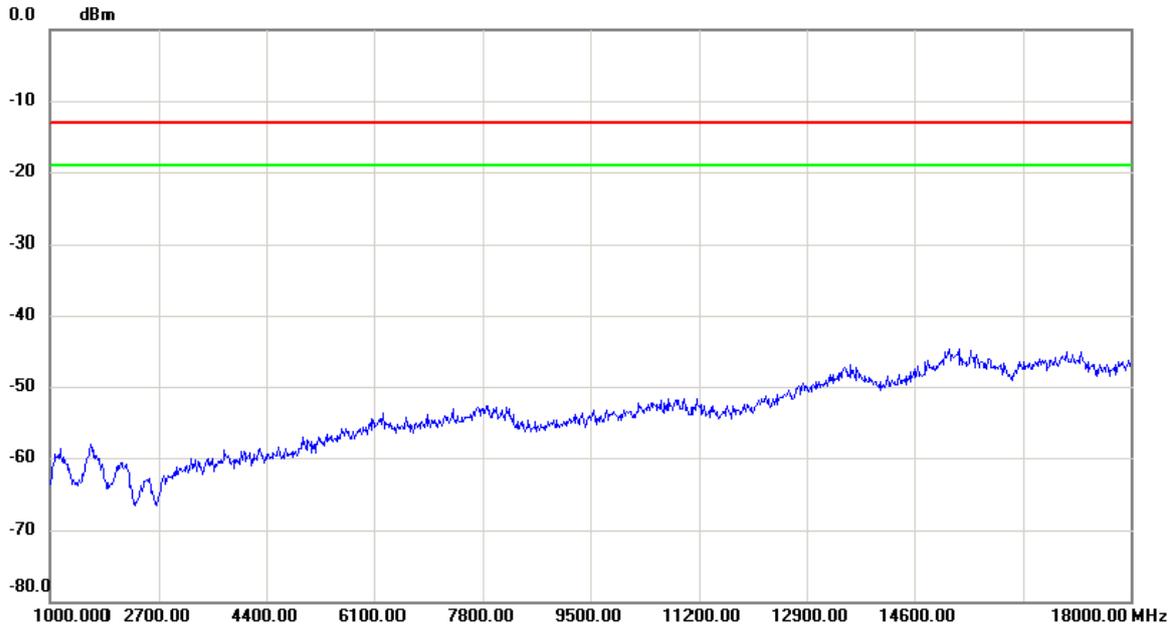
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		

Test Mode: GSM850_TX CH190_GSM

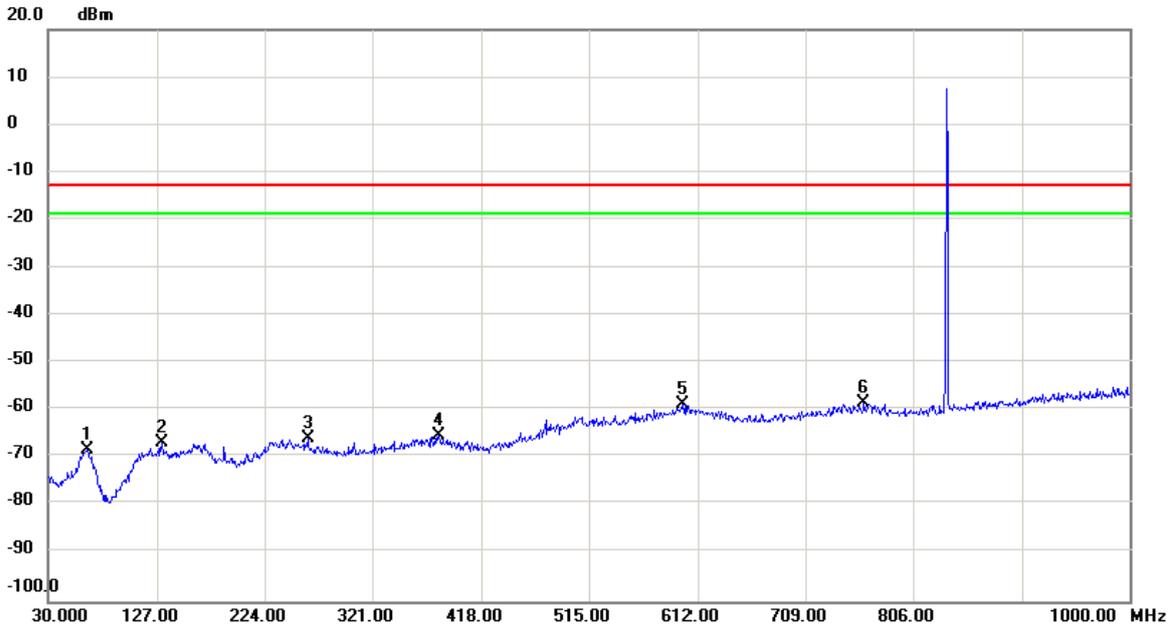
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		

Test Mode: GSM850_TX CH190_EDGE

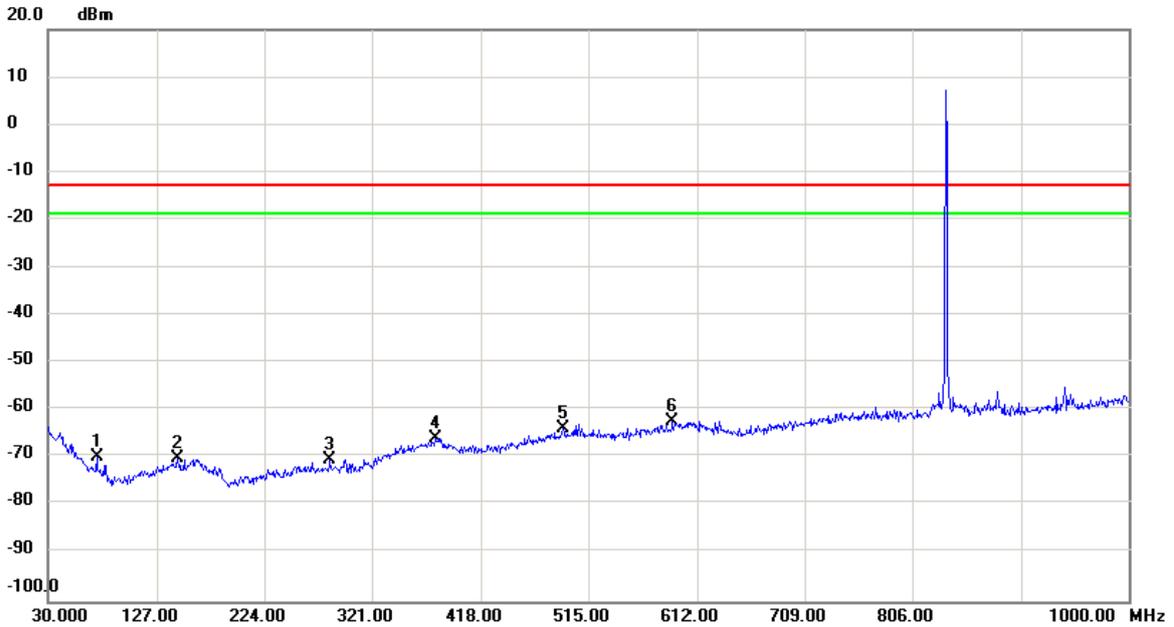
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		64.9200	-80.39	12.19	-68.20	-13.00	-55.20	peak	
2		131.3650	-79.60	12.63	-66.97	-13.00	-53.97	peak	
3		262.8000	-79.99	14.00	-65.99	-13.00	-52.99	peak	
4		379.6850	-80.35	14.98	-65.37	-13.00	-52.37	peak	
5		599.8750	-79.28	20.61	-58.67	-13.00	-45.67	peak	
6	*	761.8650	-79.01	20.58	-58.43	-13.00	-45.43	peak	

Test Mode: GSM850_TX CH190_EDGE

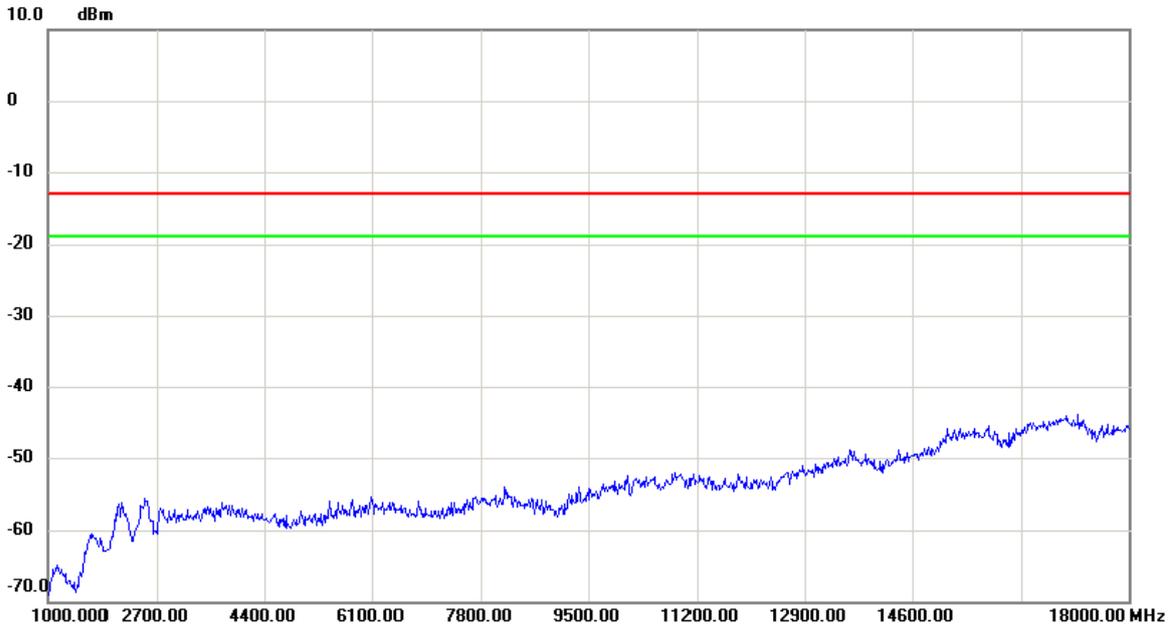
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		74.1350	-78.95	8.96	-69.99	-13.00	-56.99	peak	
2		145.4300	-79.66	9.61	-70.05	-13.00	-57.05	peak	
3		283.1700	-80.13	9.80	-70.33	-13.00	-57.33	peak	
4		377.7450	-80.27	14.44	-65.83	-13.00	-52.83	peak	
5		492.2050	-79.68	15.69	-63.99	-13.00	-50.99	peak	
6	*	590.6600	-79.35	17.10	-62.25	-13.00	-49.25	peak	

Test Mode: GSM850_TX CH190_EDGE

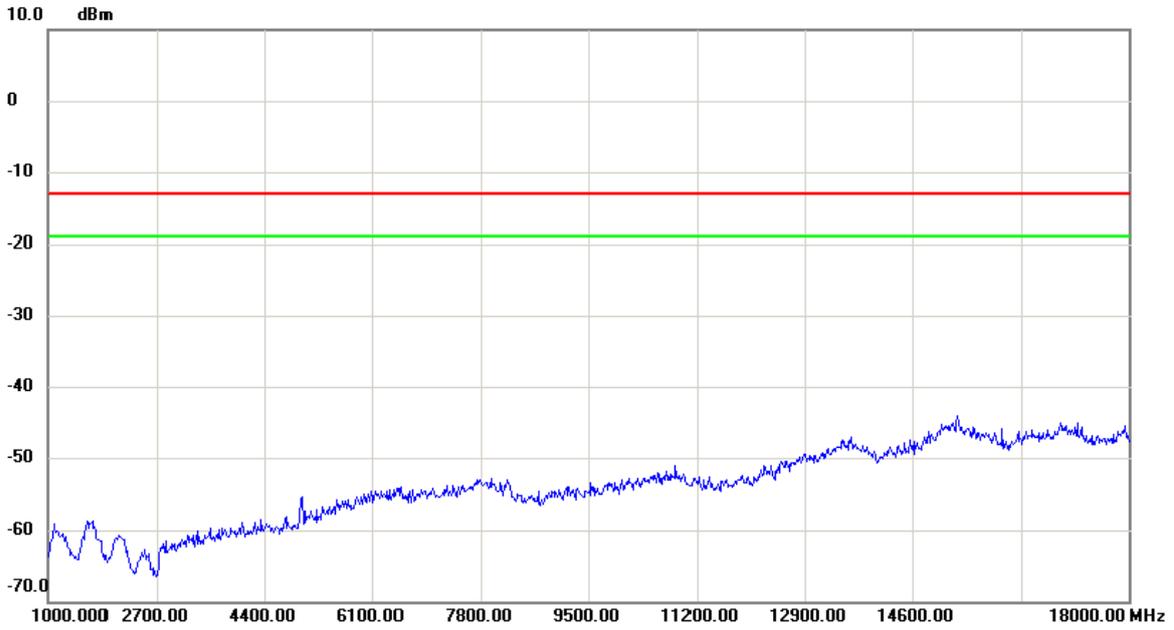
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		

Test Mode: GSM850_TX CH190_EDGE

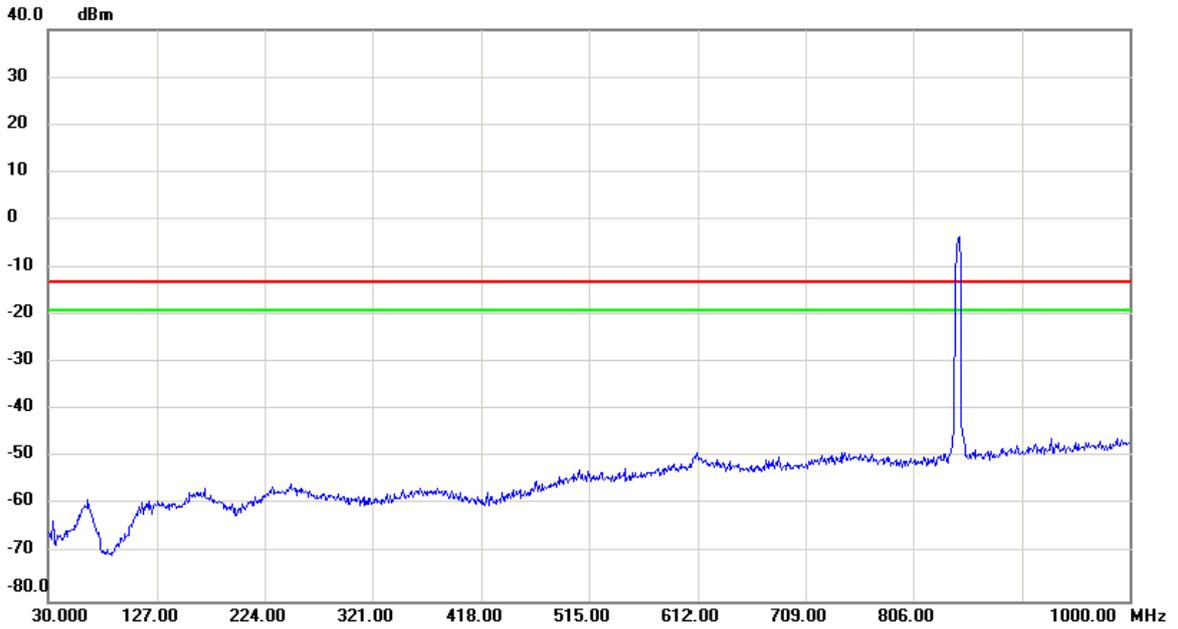
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		

Test Mode: WCDMA Band V_TX CH4182

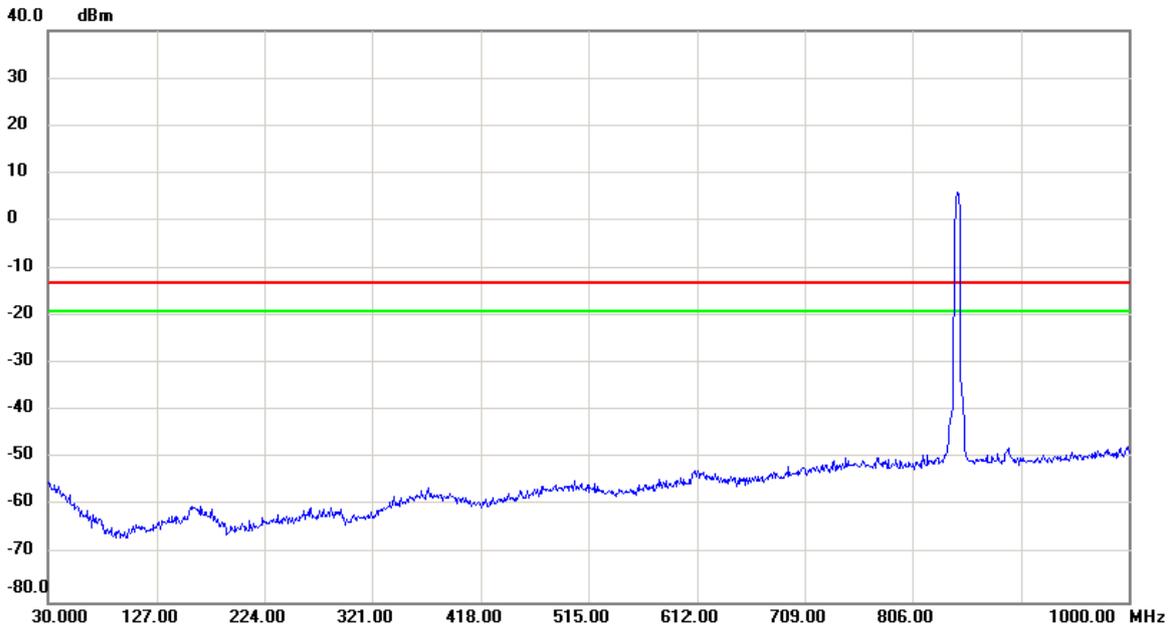
Vertical



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

Test Mode: WCDMA Band V_TX CH4182

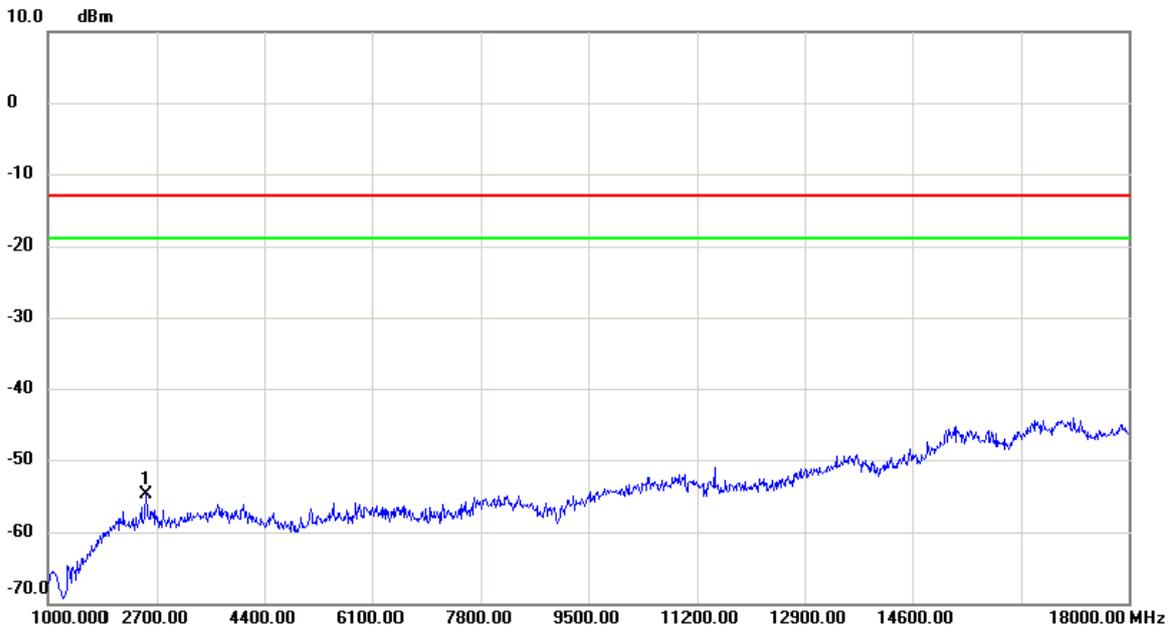
Horizontal



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

Test Mode: WCDMA Band V_TX CH4182

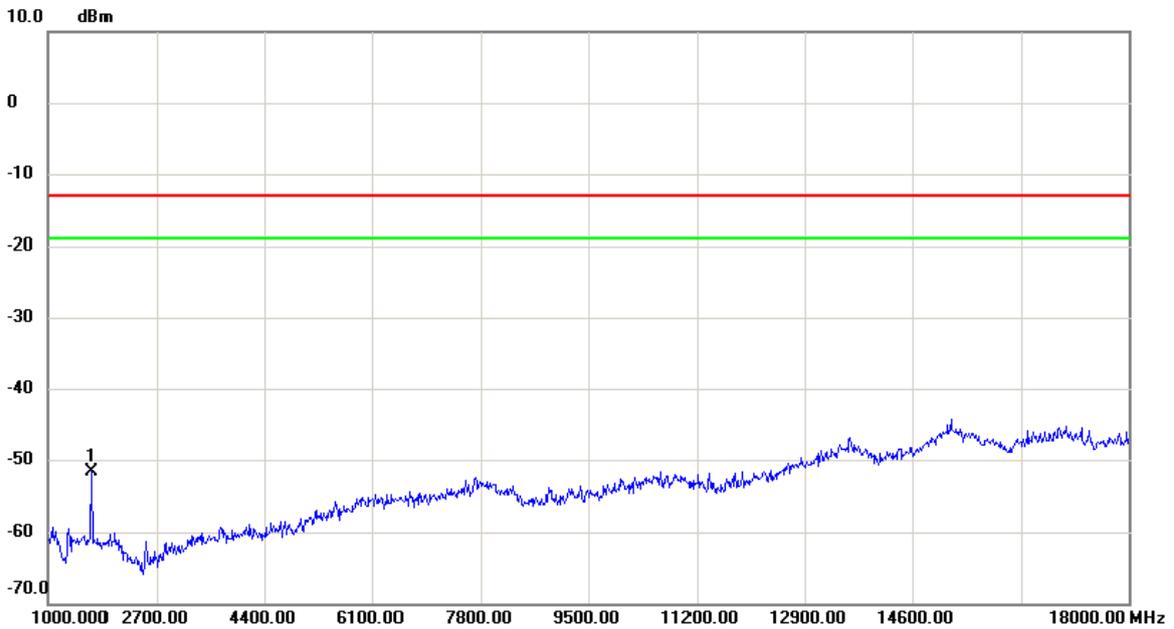
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2538.500	-67.17	12.22	-54.95	-13.00	-41.95	peak	

Test Mode: WCDMA Band V_TX CH4182

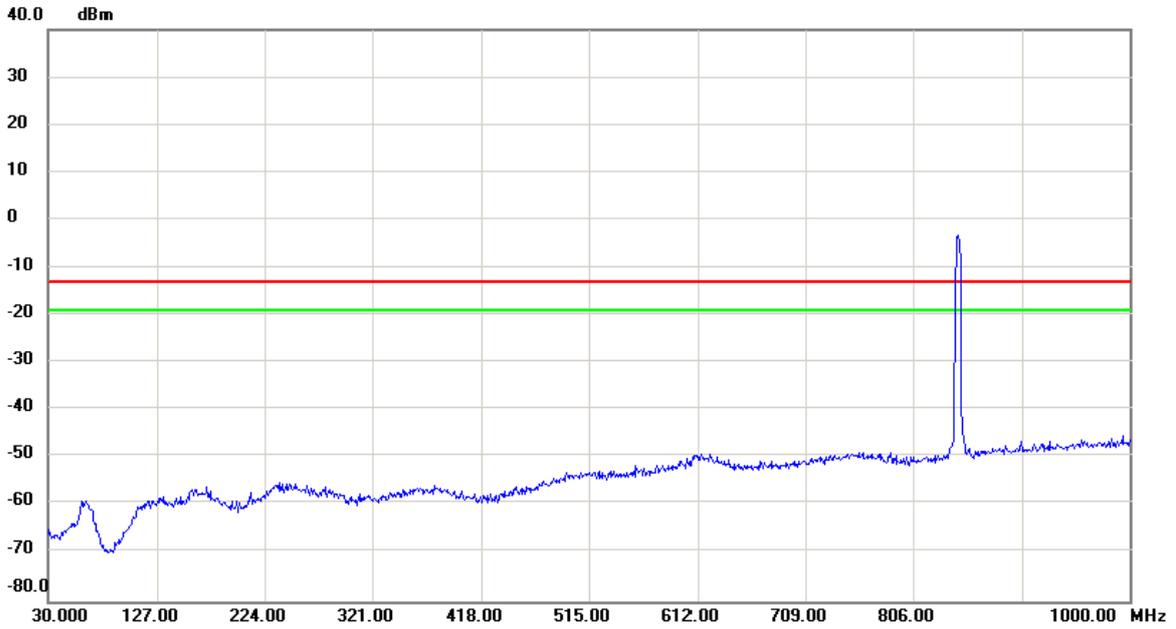
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1688.500	-59.77	8.17	-51.60	-13.00	-38.60	peak	

Test Mode: WCDMA Band V_TX CH4182_HSDPA

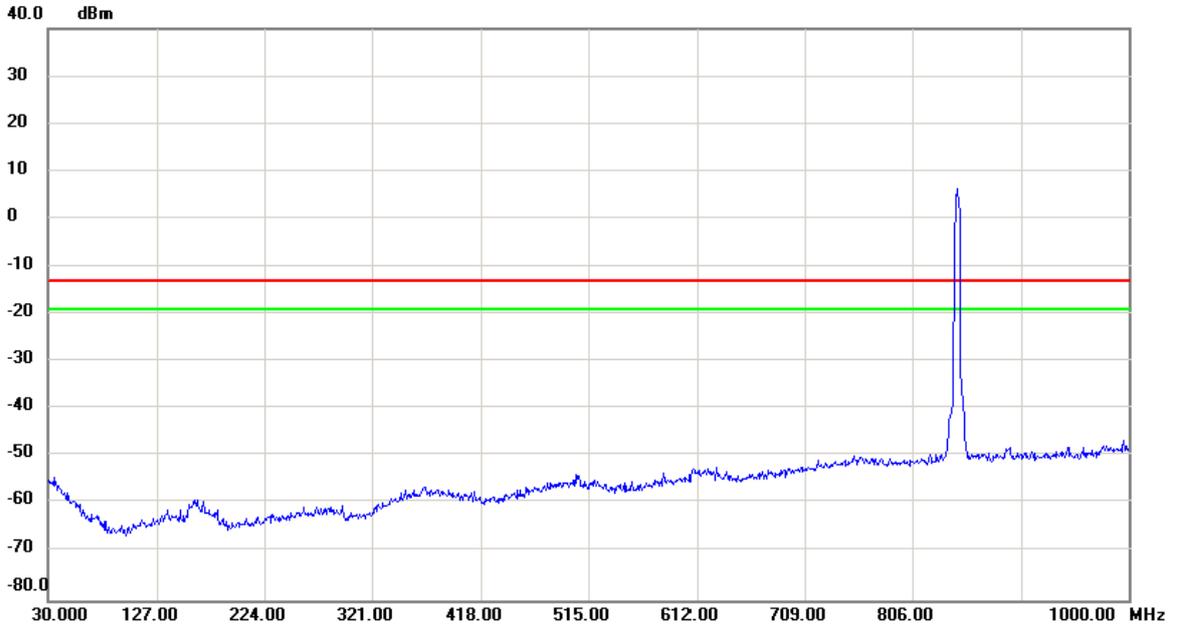
Vertical



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

Test Mode: WCDMA Band V_TX CH4182_HSDPA

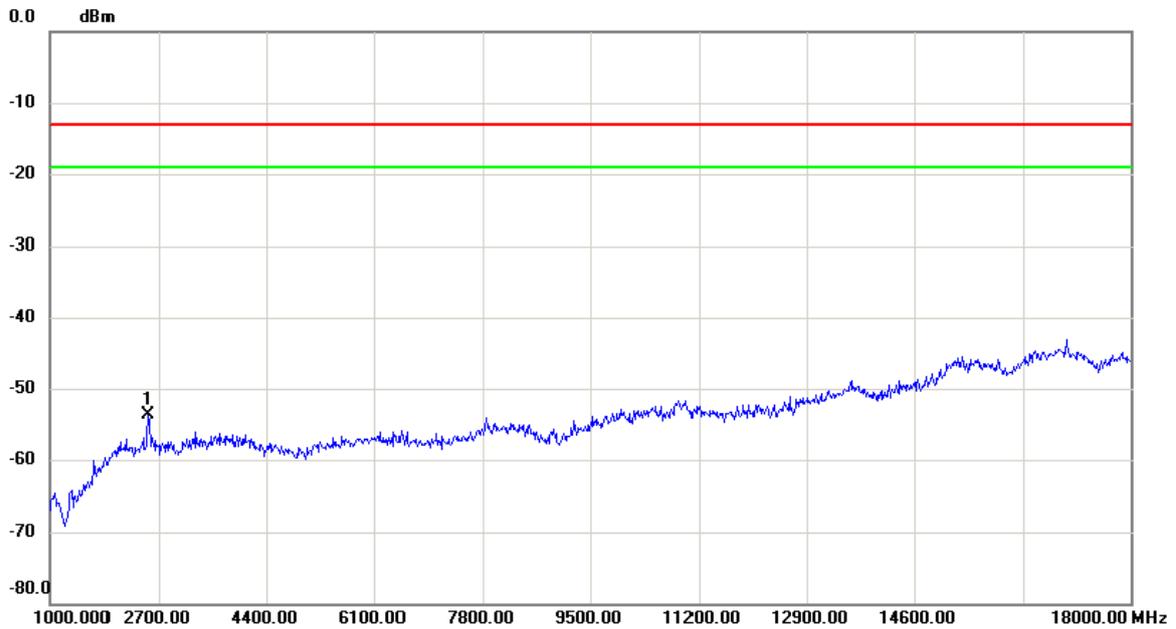
Horizontal



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

Test Mode: WCDMA Band V_TX CH4182_HSDPA

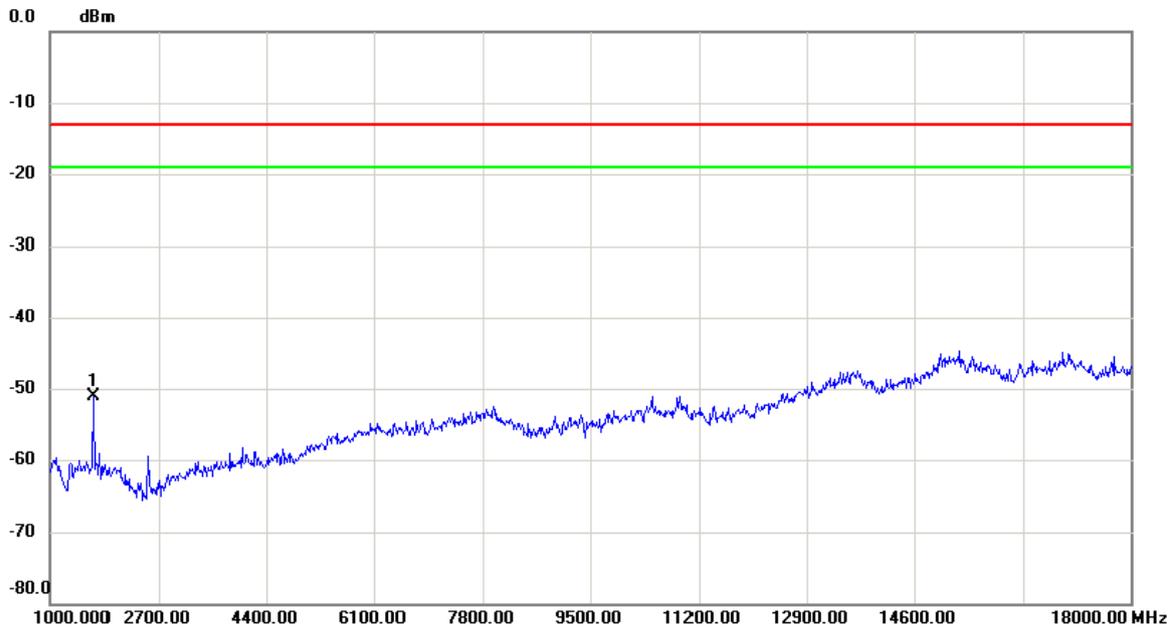
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2538.500	-65.87	12.22	-53.65	-13.00	-40.65	peak	

Test Mode: WCDMA Band V_TX CH4182_HSDPA

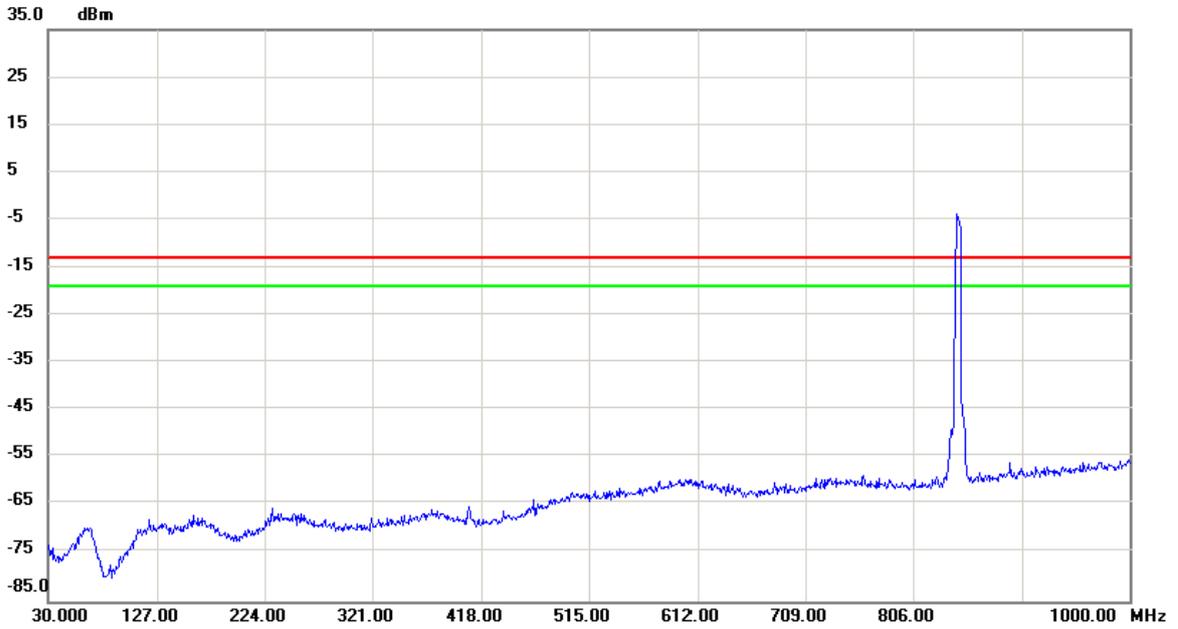
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	1688.500	-59.18	8.17	-51.01	-13.00	-38.01	peak	

Test Mode: WCDMA Band V_TX CH4182_HSUPA

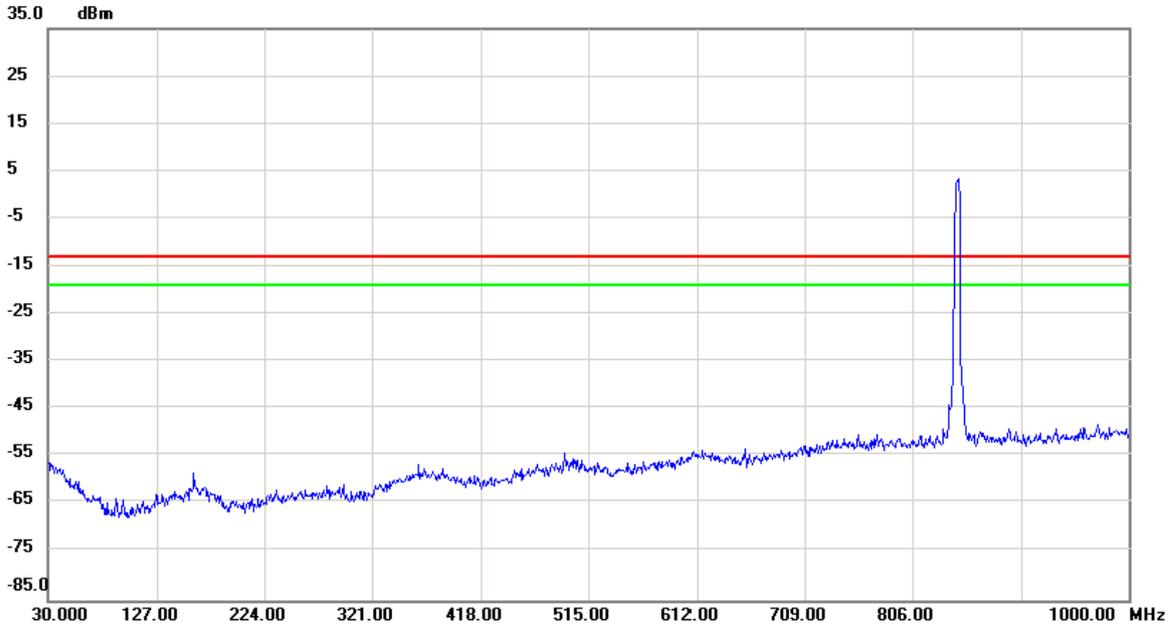
Vertical



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

Test Mode: WCDMA Band V_TX CH4182_HSUPA

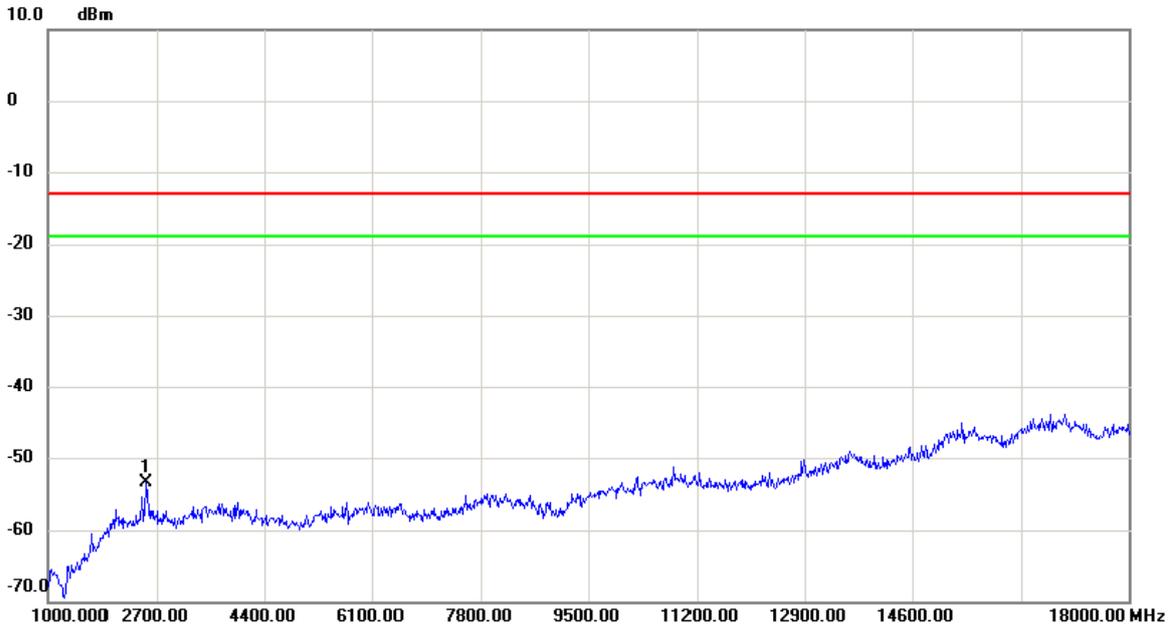
Horizontal



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

Test Mode: WCDMA Band V_TX CH4182_HSUPA

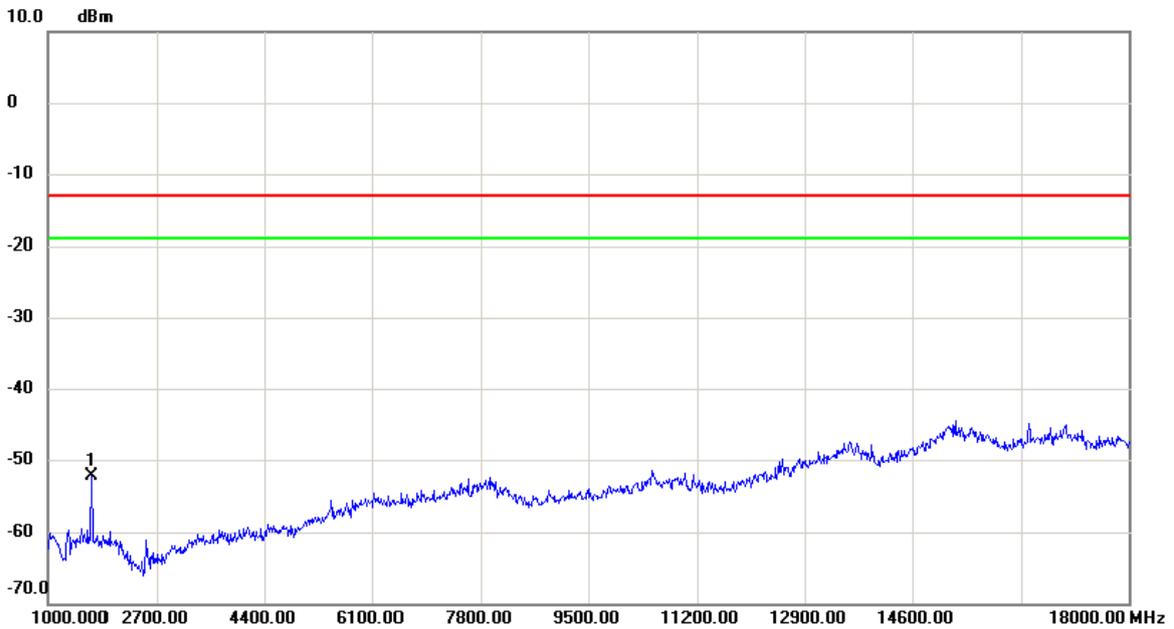
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2538.500	-65.74	12.22	-53.52	-13.00	-40.52	peak	

Test Mode: WCDMA Band V_TX CH4182_HSUPA

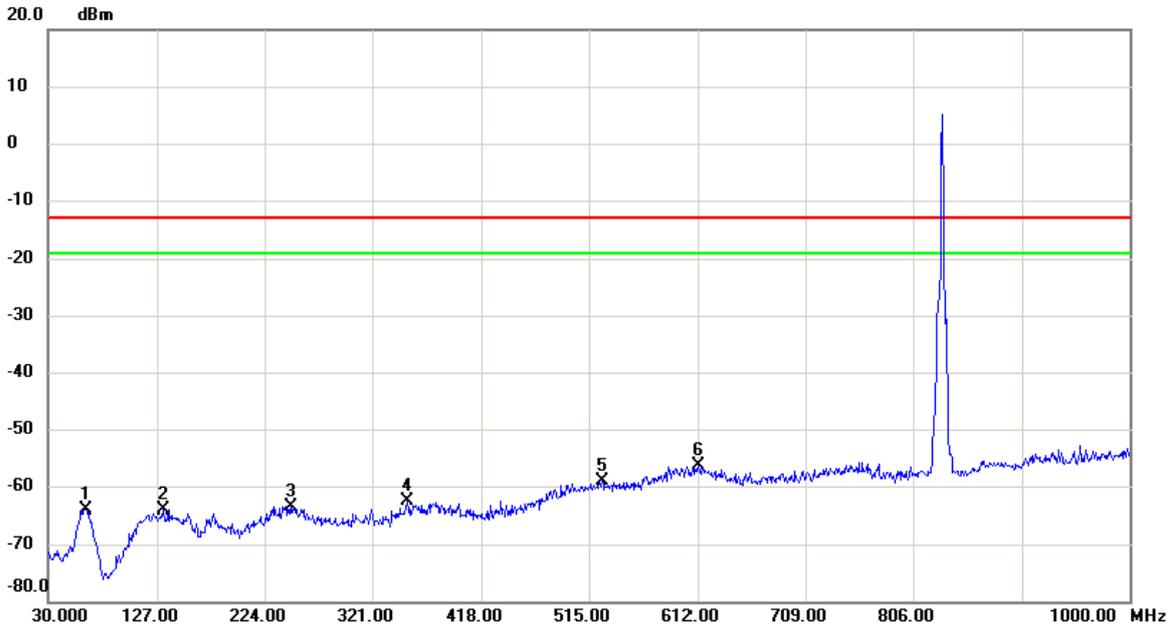
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1697.000	-60.39	8.17	-52.22	-13.00	-39.22	peak	

Test Mode: LTE Band 5_TX CH20525_1.4M

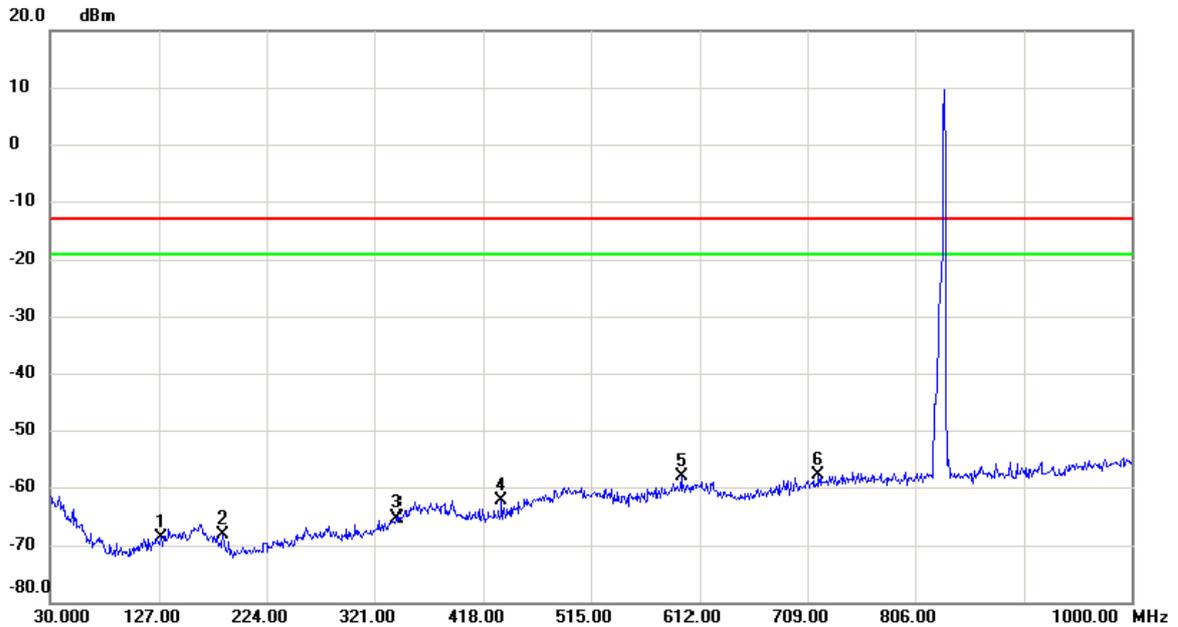
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		63.9500	-76.06	11.94	-64.12	-13.00	-51.12	peak	
2		133.3050	-76.69	12.51	-64.18	-13.00	-51.18	peak	
3		247.7650	-78.06	14.56	-63.50	-13.00	-50.50	peak	
4		351.0700	-76.97	14.30	-62.67	-13.00	-49.67	peak	
5		526.6400	-76.91	17.88	-59.03	-13.00	-46.03	peak	
6	*	612.0000	-76.37	20.04	-56.33	-13.00	-43.33	peak	

Test Mode: LTE Band 5_TX CH20525_1.4M

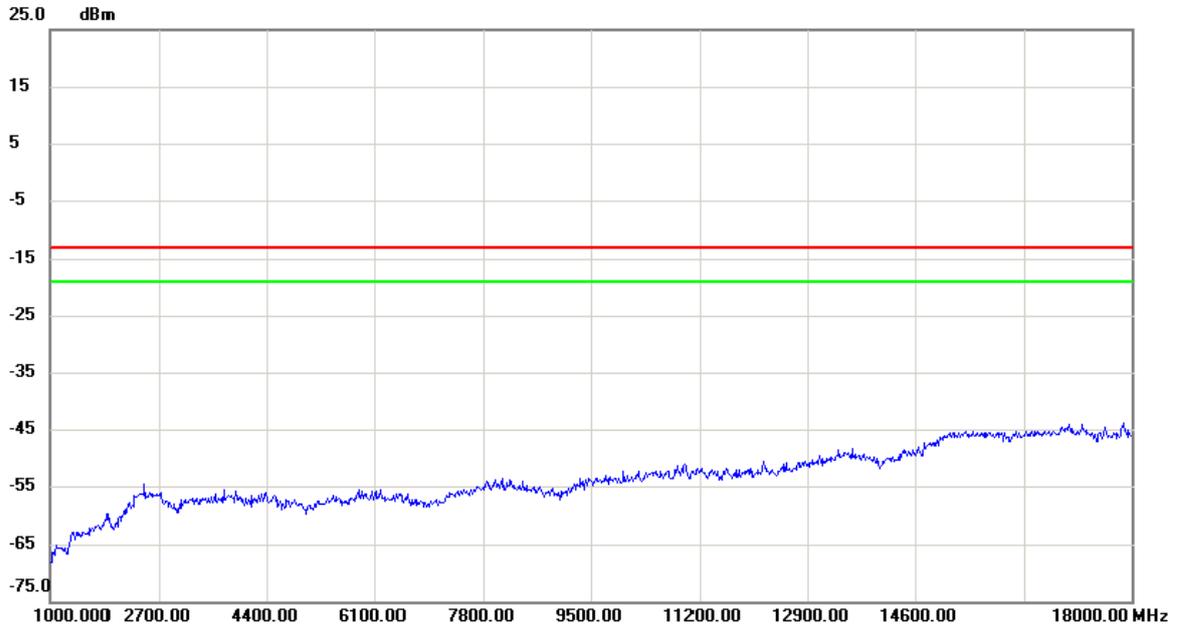
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		128.4550	-77.59	8.89	-68.70	-13.00	-55.70	peak	
2		184.2300	-75.85	7.63	-68.22	-13.00	-55.22	peak	
3		340.8850	-78.41	12.93	-65.48	-13.00	-52.48	peak	
4		434.4900	-75.74	13.25	-62.49	-13.00	-49.49	peak	
5		596.9650	-75.44	17.40	-58.04	-13.00	-45.04	peak	
6	*	718.7000	-76.09	18.28	-57.81	-13.00	-44.81	peak	

Test Mode: LTE Band 5_TX CH20525_1.4M

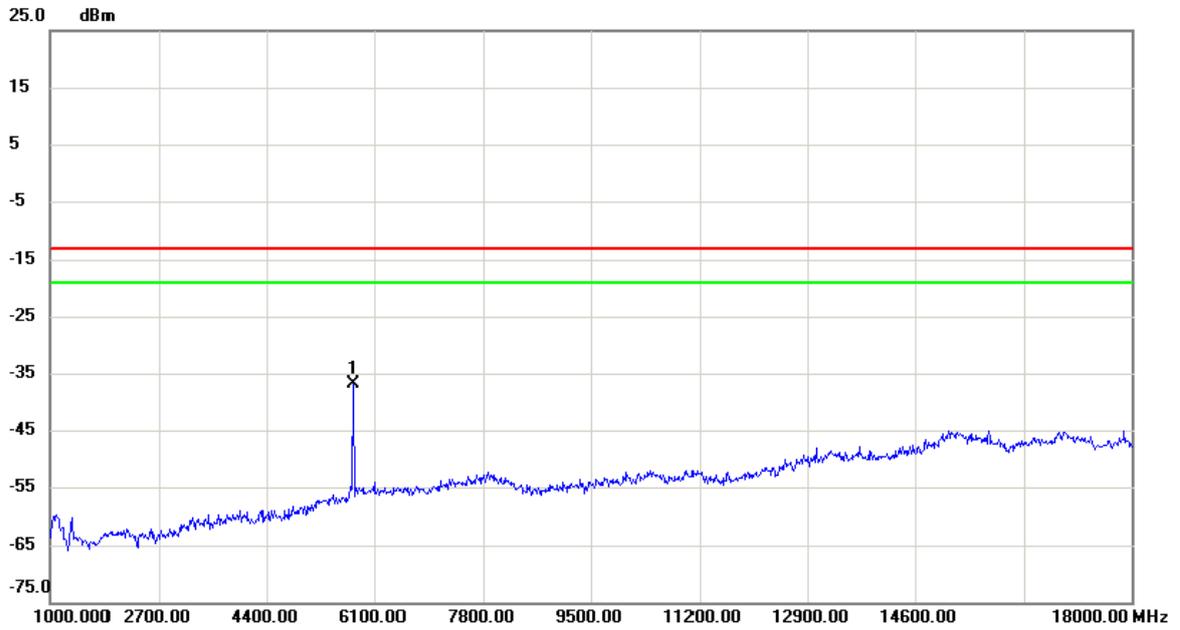
Vertical



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

Test Mode: LTE Band 5_TX CH20525_1.4M

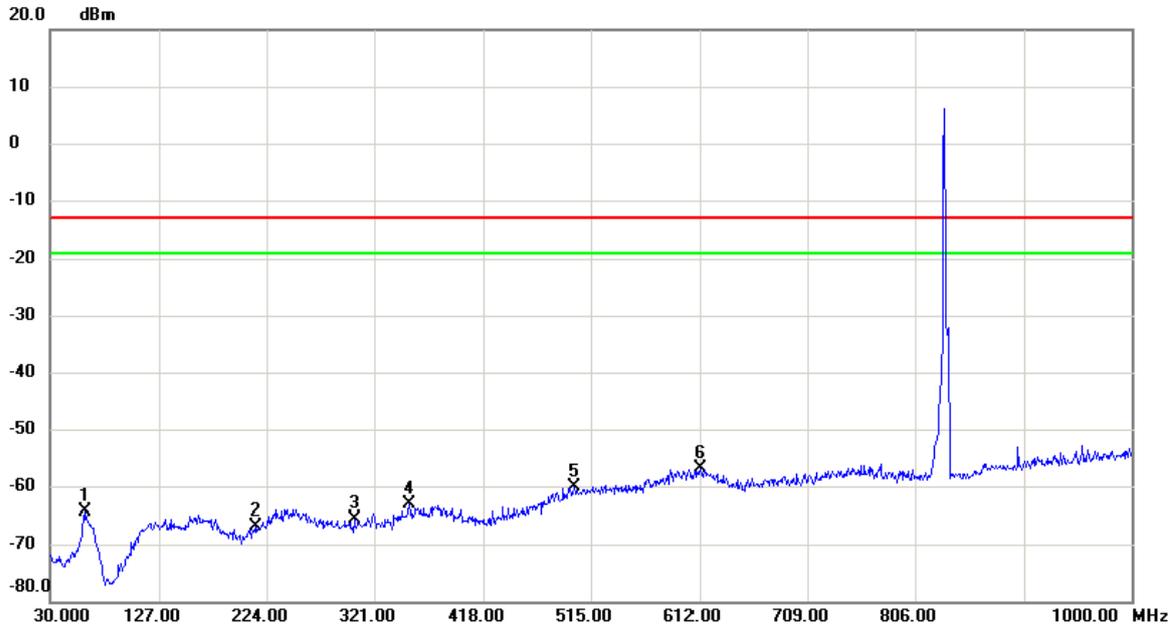
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	5768.500	-54.32	17.45	-36.87	-13.00	-23.87	peak	

Test Mode: LTE Band 5_TX CH20525_10M

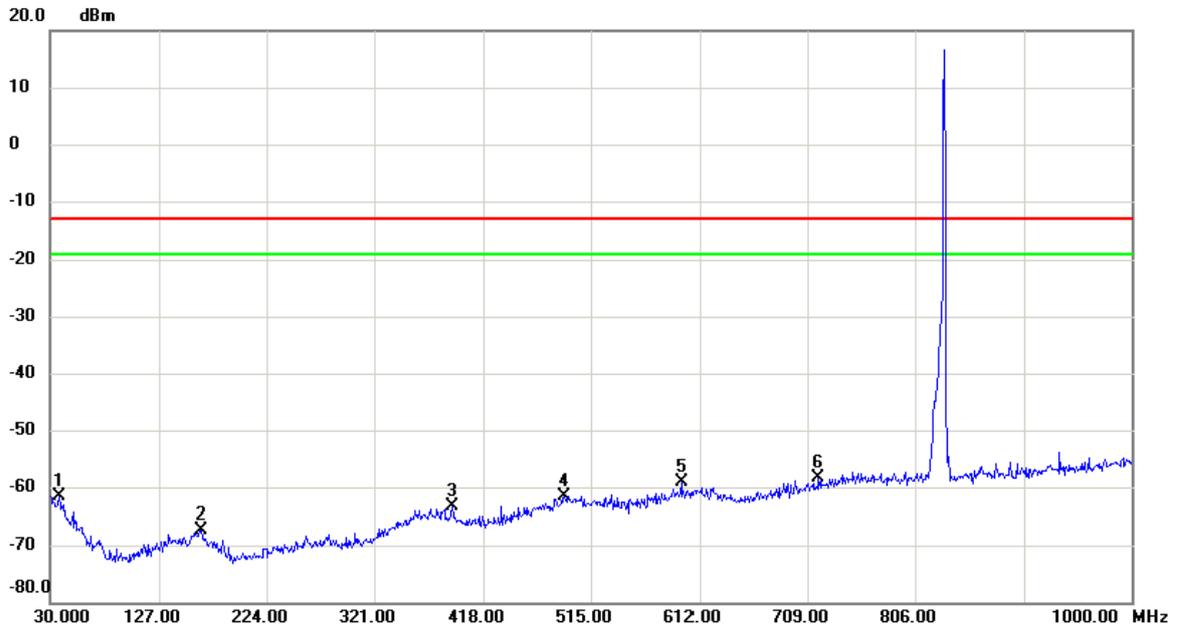
Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		61.0400	-75.44	11.19	-64.25	-13.00	-51.25	peak	
2		214.3000	-78.59	11.63	-66.96	-13.00	-53.96	peak	
3		303.0550	-78.58	12.95	-65.63	-13.00	-52.63	peak	
4		351.0700	-77.47	14.30	-63.17	-13.00	-50.17	peak	
5		499.9650	-77.64	17.58	-60.06	-13.00	-47.06	peak	
6	*	612.0000	-76.87	20.04	-56.83	-13.00	-43.83	peak	

Test Mode: LTE Band 5_TX CH20525_10M

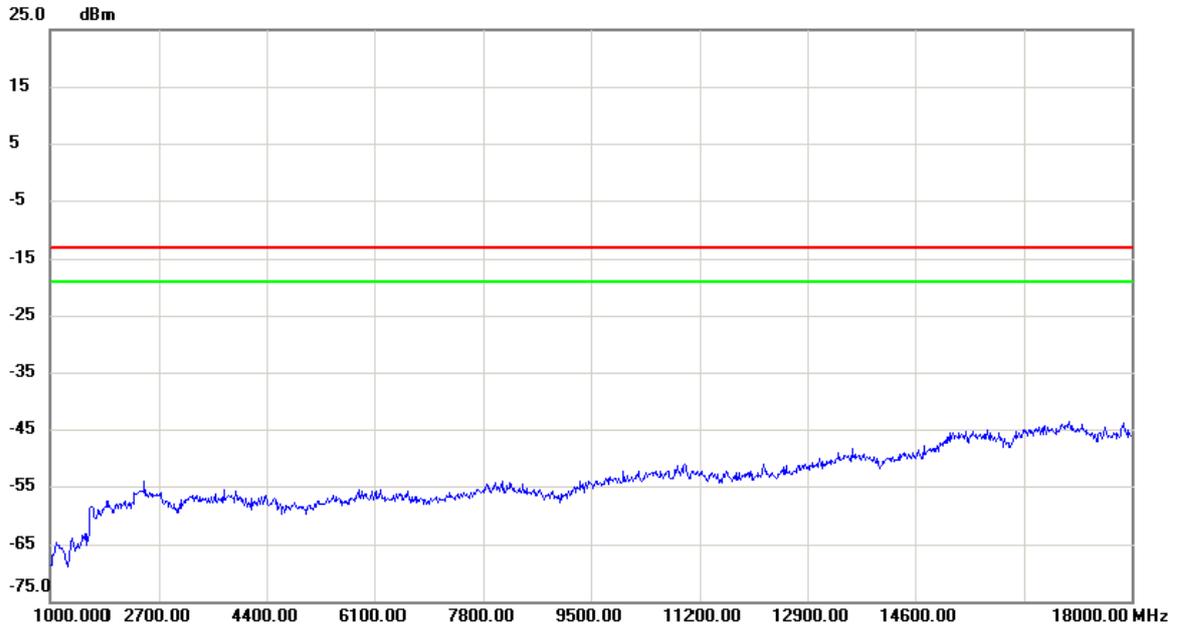
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		38.2450	-77.12	15.51	-61.61	-13.00	-48.61	peak	
2		164.8300	-77.55	10.22	-67.33	-13.00	-54.33	peak	
3		390.3550	-77.06	13.76	-63.30	-13.00	-50.30	peak	
4		491.2350	-77.22	15.66	-61.56	-13.00	-48.56	peak	
5		596.9650	-76.44	17.40	-59.04	-13.00	-46.04	peak	
6	*	718.7000	-76.59	18.28	-58.31	-13.00	-45.31	peak	

Test Mode: LTE Band 5_TX CH20525_10M

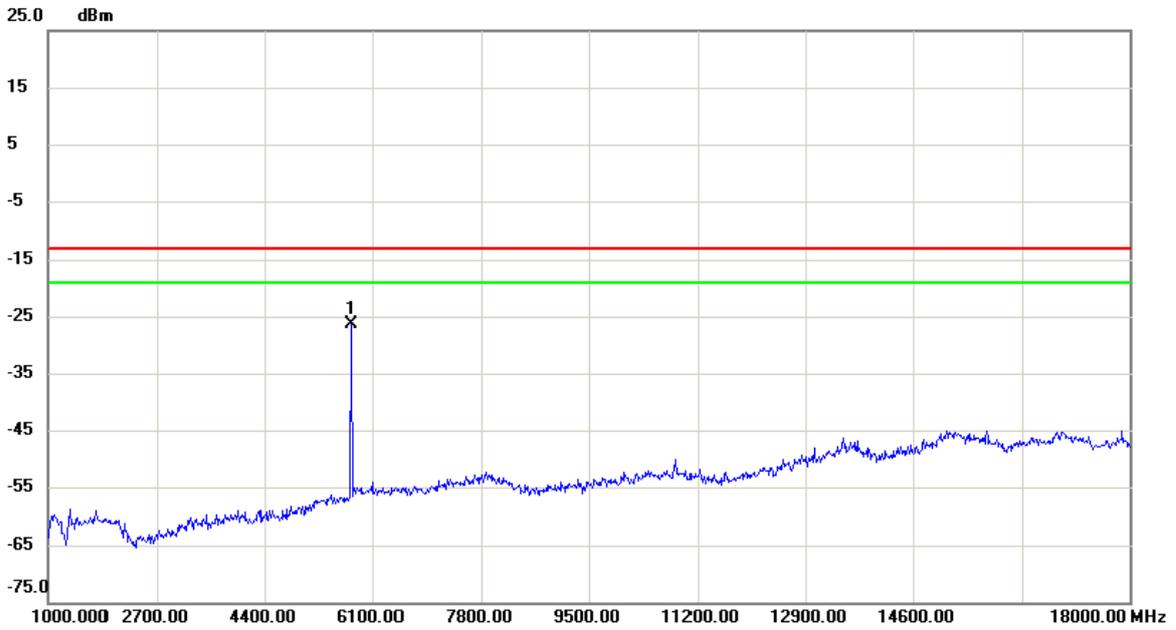
Vertical



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

Test Mode: LTE Band 5_TX CH20525_10M

Horizontal

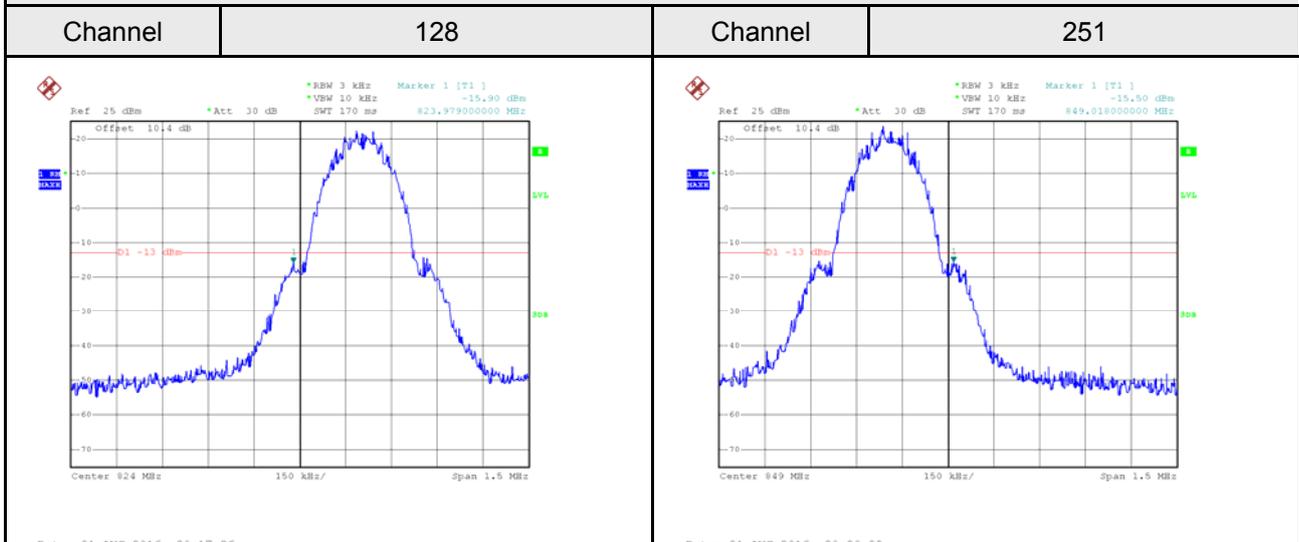


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	5768.500	-43.82	17.45	-26.37	-13.00	-13.37	peak	

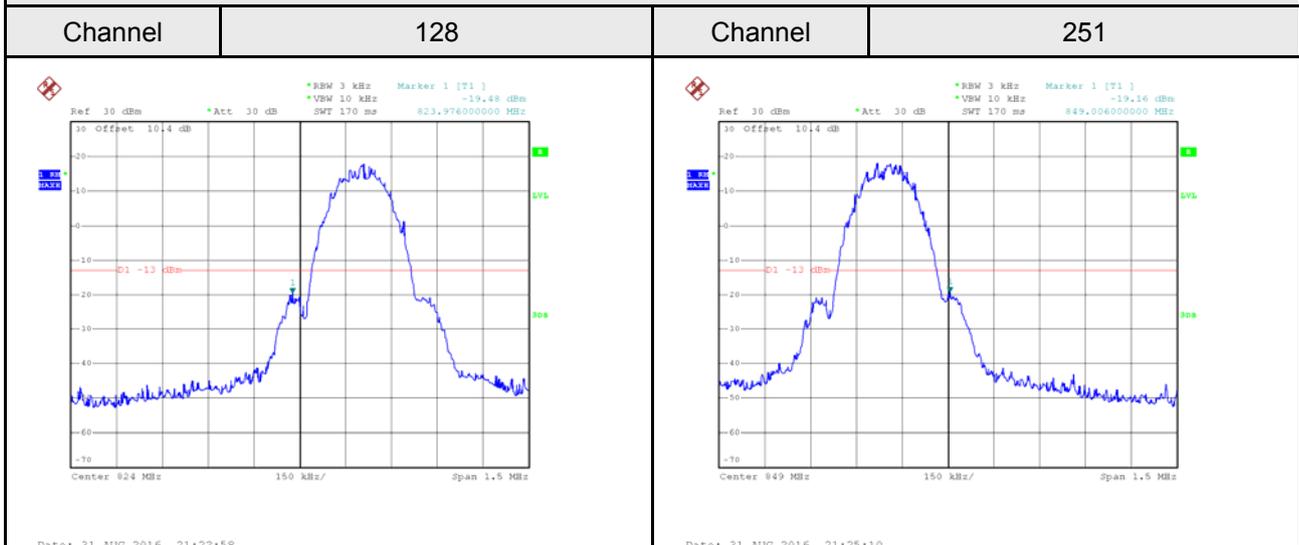
ATTACHMENT E - BAND EDGE

GSM850

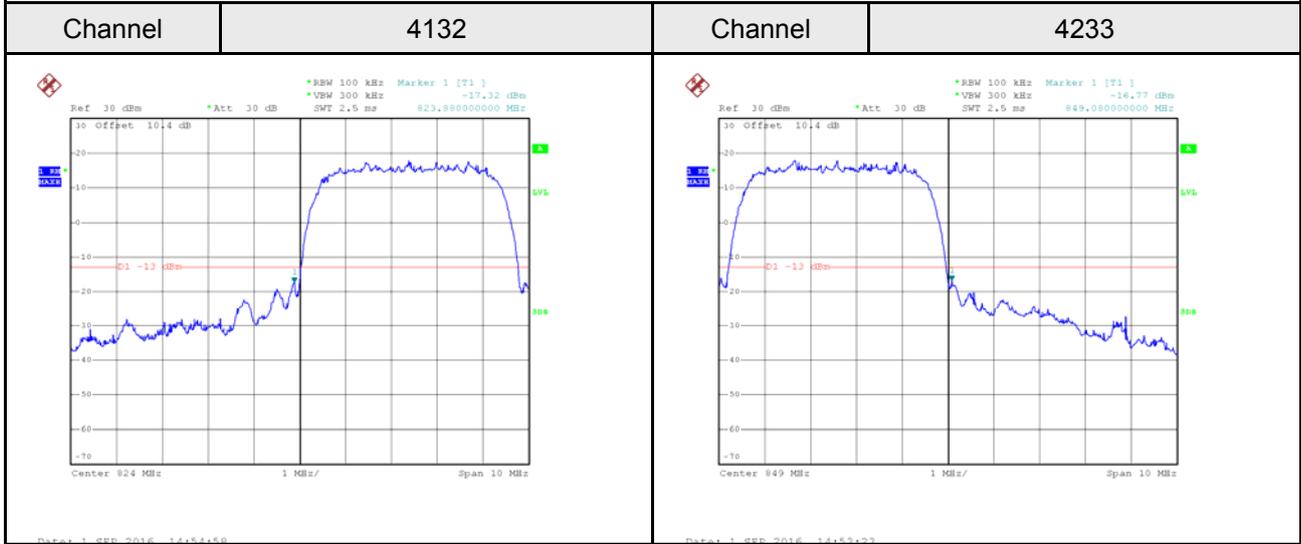
GSM

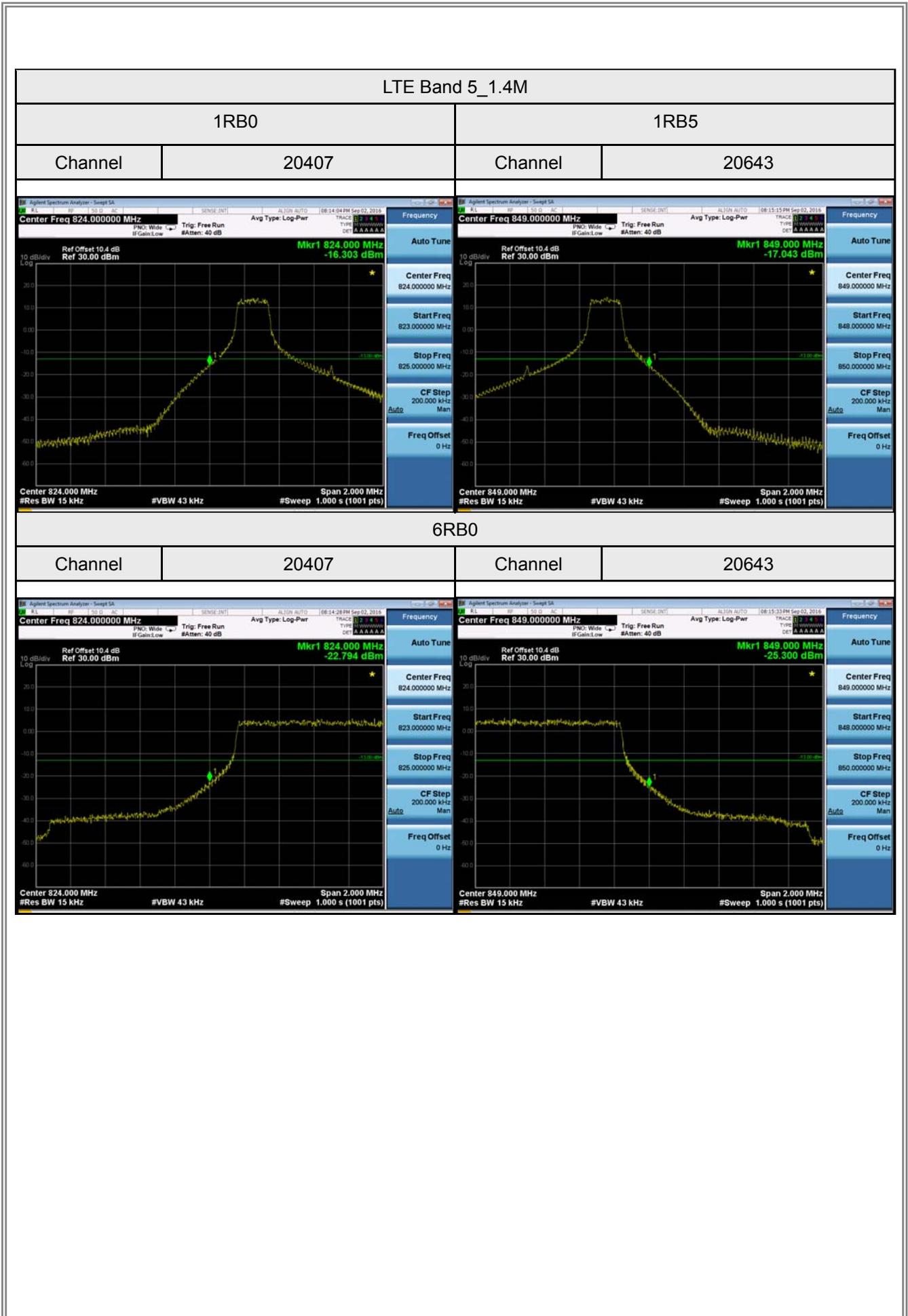


EDGE



WCDMA Band V





LTE Band 5_3M

1RB0

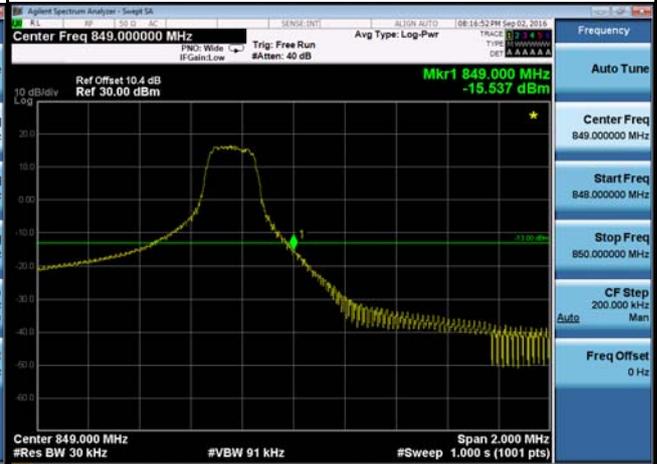
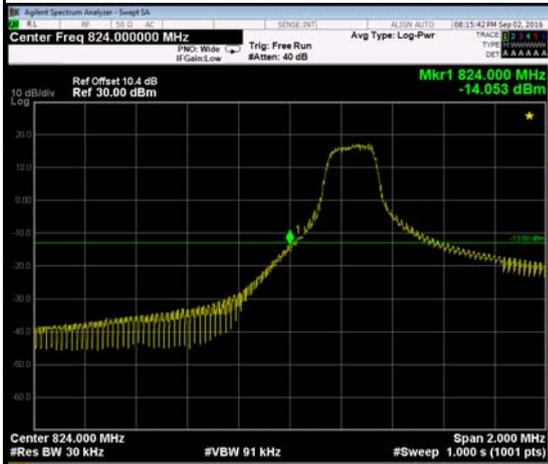
1RB14

Channel

20415

Channel

20635



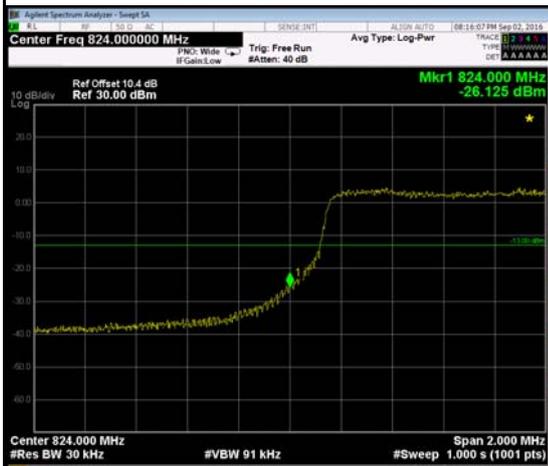
15RB0

Channel

20415

Channel

20635



LTE Band 5_5M

1RB0

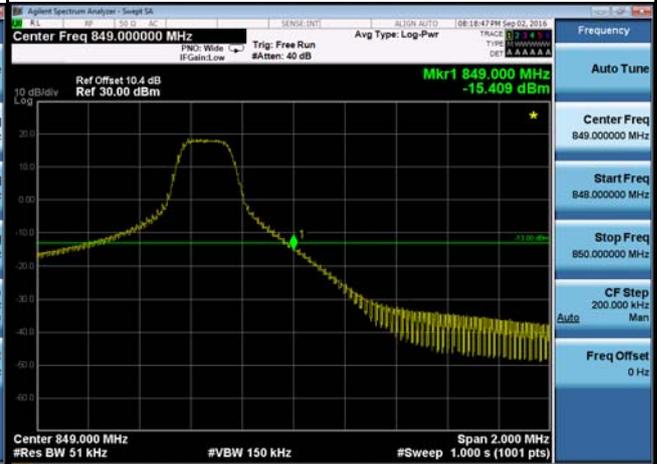
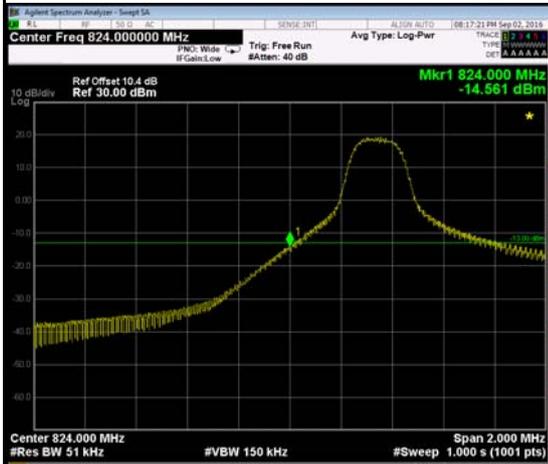
1RB24

Channel

20425

Channel

20625



25RB0

Channel

20425

Channel

20625



LTE Band 5_10M

1RB0

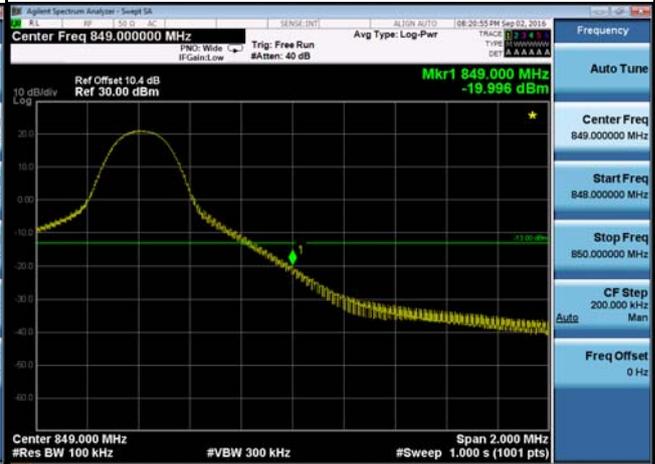
1RB49

Channel

20450

Channel

20600



50RB0

Channel

20450

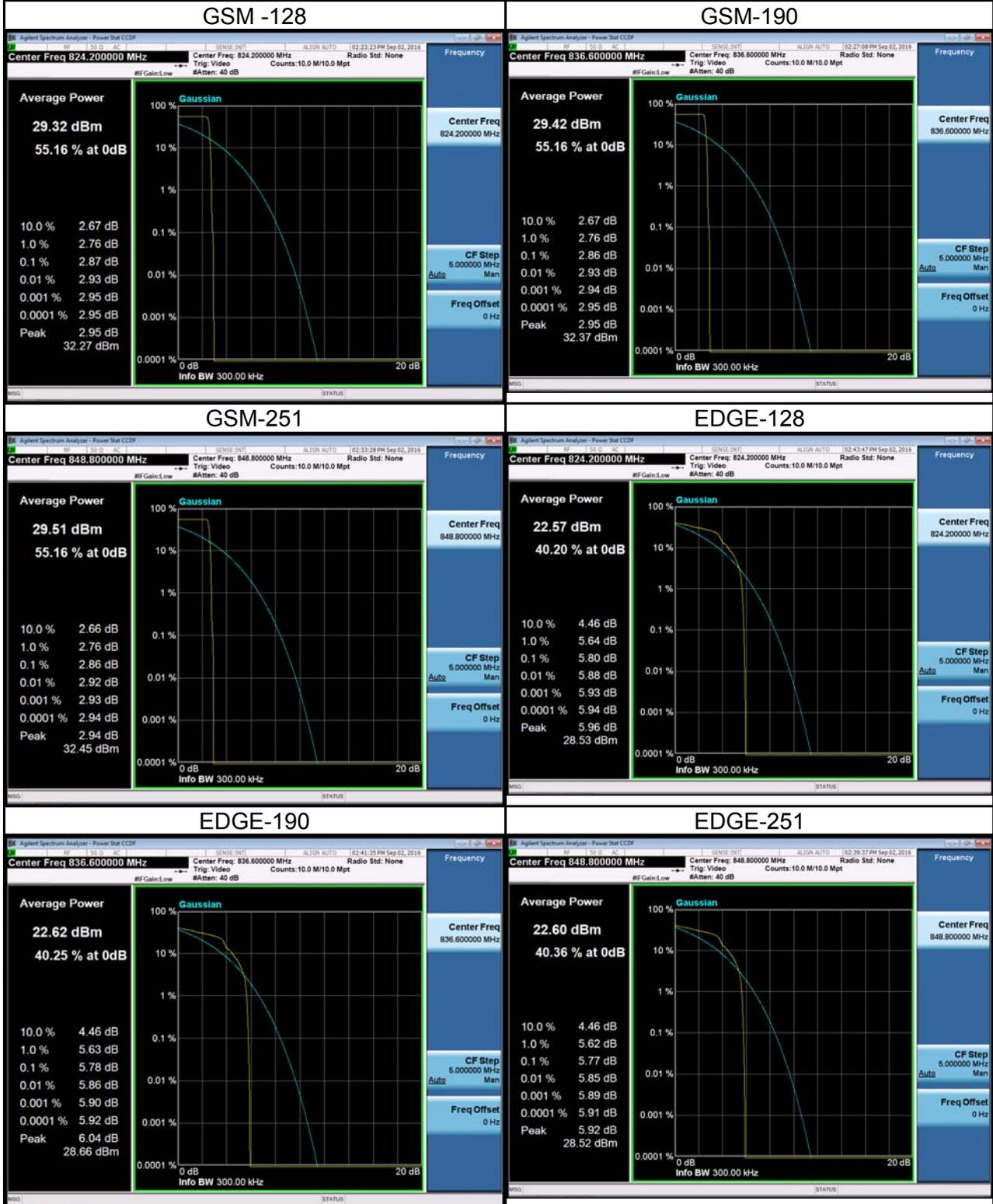
Channel

20600

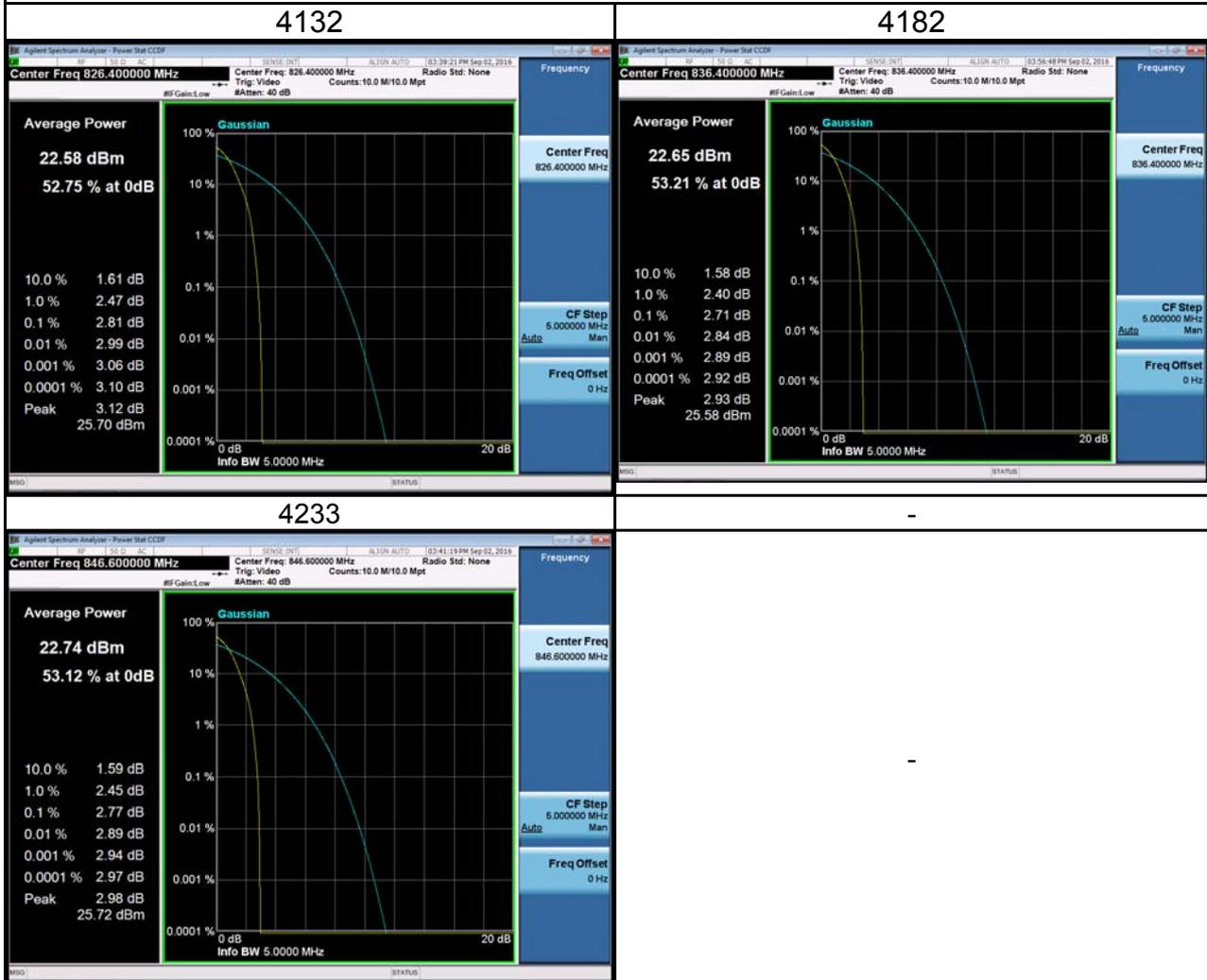


ATTACHMENT F - PEAK TO AVERAGE RATIO

GSM 850 Spectrum Plot



WCDMA Band V Spectrum Plot



LTE Band 5 Spectrum Plot_1.4M



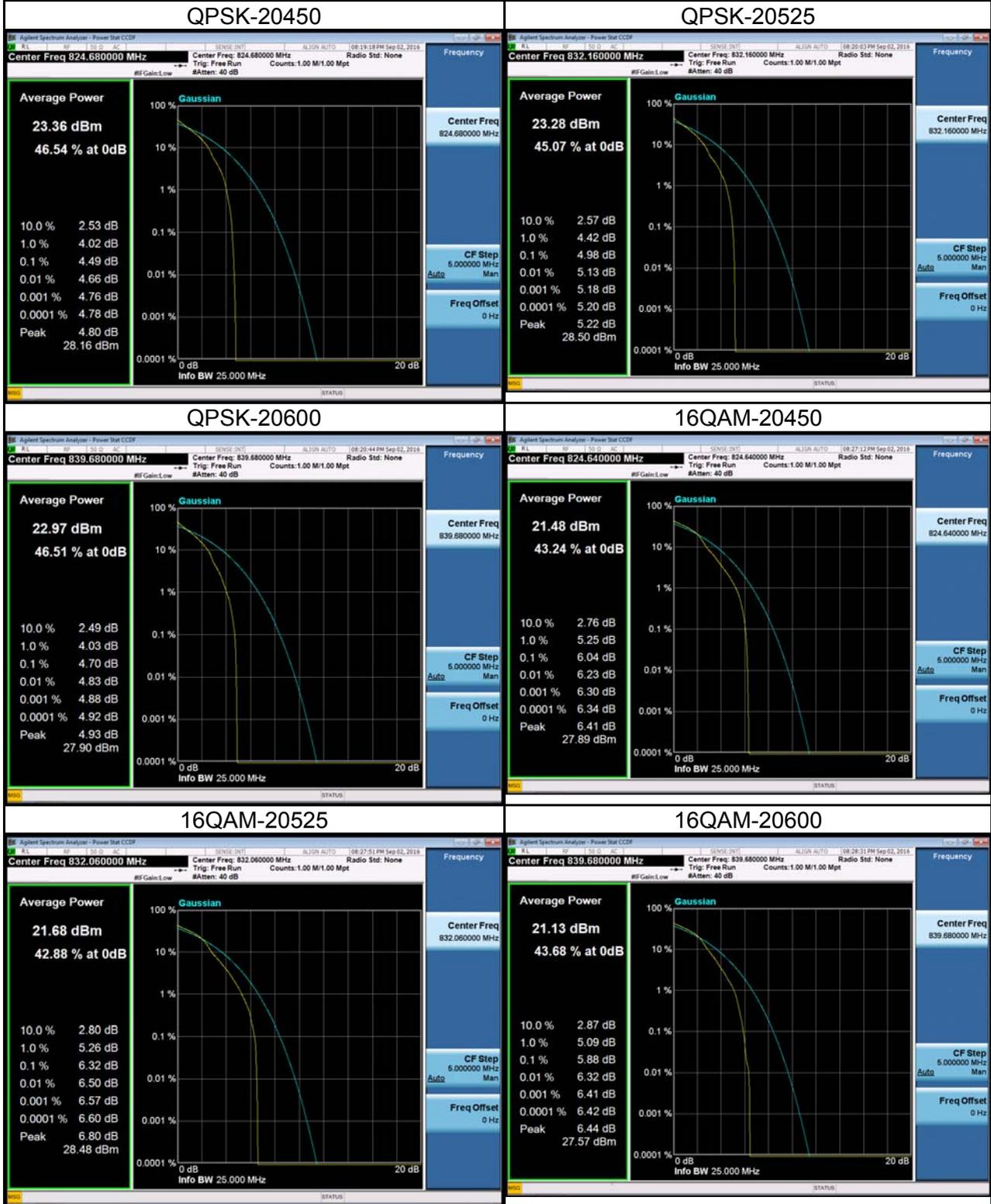
LTE Band 5 Spectrum Plot_3M



LTE Band 5 Spectrum Plot_5M



LTE Band 5 Spectrum Plot_10M



ATTACHMENT G - FREQUENCY STABILITY

Test Mode:	GSM850_CH190
------------	--------------

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	6.37	0.007614153	2.5
5	5.96	0.007124074	2.5
10	4.59	0.005486493	2.5
15	5.07	0.006060244	2.5
20	4.35	0.005199617	2.5
25	3.61	0.004315085	2.5
30	6.57	0.007853215	2.5
35	7.28	0.008701889	2.5
Max. Deviation (ppm)	7.28	0.008701889	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.59	0.004291179	2.5
3.5	2.79	0.003334927	2.5
4.35	3.11	0.003717428	2.5
Max. Deviation (ppm)	3.59	0.004291179	2.5

Test Mode:	WCDMA Band V_CH4182
------------	---------------------

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	5.16	0.006169297	2.5
5	4.33	0.005176949	2.5
10	4.67	0.005583453	2.5
15	3.99	0.004770445	2.5
20	2.79	0.003335725	2.5
25	2.55	0.00304878	2.5
30	2.08	0.002486848	2.5
35	5.21	0.006229077	2.5
Max. Deviation (ppm)	5.21	0.006229077	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.18	0.003802009	2.5
3.5	2.47	0.002953132	2.5
4.35	4.26	0.005093257	2.5
Max. Deviation (ppm)	4.26	0.005093257	2.5

Test Mode:	LTE Band 5_CH20525_1.4M
------------	-------------------------

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-2.16	0.002582188	2.5
5	4.33	0.00517633	2.5
10	2.97	0.003550508	2.5
15	-2.57	0.003072325	2.5
20	2.64	0.003156007	2.5
25	-2.55	0.003048416	2.5
30	5.77	0.006897788	2.5
35	3.75	0.004482965	2.5
Max. Deviation (ppm)	4.33	0.006897788	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	5.94	0.007101016	2.5
3.5	-2.96	0.003538553	2.5
4.35	6.31	0.007543335	2.5
Max. Deviation (ppm)	6.31	0.007543335	2.5

Test Mode:	LTE Band 5_CH20525_3M
------------	-----------------------

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	3.67	0.004387328	2.5
5	-2.31	0.002761506	2.5
10	-7.52	0.008989839	2.5
15	2.45	0.00292887	2.5
20	2.76	0.003299462	2.5
25	-2.55	0.003048416	2.5
30	3.76	0.004494919	2.5
35	-5.91	0.007065152	2.5
Max. Deviation (ppm)	7.52	0.008989839	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	6.30	0.007531381	2.5
3.5	-2.45	0.00292887	2.5
4.35	5.19	0.006204423	2.5
Max. Deviation (ppm)	6.3	0.007531381	2.5

Test Mode:	LTE Band 5_CH20525_5M
------------	-----------------------

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-2.67	0.003191871	2.5
5	5.67	0.006778243	2.5
10	3.46	0.004136282	2.5
15	-1.93	0.002307233	2.5
20	-2.46	0.002940825	2.5
25	0.83	0.00099223	2.5
30	-4.36	0.005212194	2.5
35	-5.44	0.006503288	2.5
Max. Deviation (ppm)	5.67	0.006778243	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.76	0.004494919	2.5
3.5	1.97	0.002355051	2.5
4.35	2.58	0.00308428	2.5
Max. Deviation (ppm)	3.76	0.004494919	2.5

Test Mode:	LTE Band 5_CH20525_10M
------------	------------------------

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
0	-7.34	0.008774656	2.5
5	3.46	0.004136282	2.5
10	2.46	0.002940825	2.5
15	-5.19	0.006204423	2.5
20	-2.77	0.003311417	2.5
25	-2.53	0.003024507	2.5
30	3.18	0.003801554	2.5
35	-4.06	0.004853556	2.5
Max. Deviation (ppm)	7.34	0.008774656	2.5

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.8	3.47	0.004148237	2.5
3.5	3.22	0.003849372	2.5
4.35	-5.68	0.006790197	2.5
Max. Deviation (ppm)	5.68	0.006790197	2.5