

FCC Radio Test Report

FCC ID: QISALP-LX9

This report concerns (check one): Original Grant Class I Change Class II Change

Project No. : 1708C104B
Equipment : Smart Phone
Model Name : ALP-L29
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 : Sep. 25, 2017
Date of Test : Sep. 25, 2017 ~ Oct. 10, 2017
Issued Date : Oct. 10, 2017
Tested by : BTL Inc.

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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.

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REPORT ISSUED HISTORY

| Issued No. | Description | Issued Date |
|----------------------|-----------------|---------------|
| BTL-FCCP-1-1708C104B | Original Issue. | Oct. 10, 2017 |

1. CERTIFICATION

Equipment : Smart Phone
Brand Name : HUAWEI
Model Name : ALP-L29
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 : Sep. 25, 2017 ~ Oct. 10, 2017
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-1-1708C104B) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of NVLAP according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the LTE Band 26 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 | Paul Li |
| 2.1046 & 22.913(a) | Conducted Output Power | PASS | Paul Li |
| 2.1049(h) & 22.917(a) | Occupied Bandwidth | PASS | Paul Li |
| 2.1051 & 22.917(a) | Conducted Spurious Emissions | PASS | Paul Li |
| 2.1053 & 22.917(a) | Radiated Spurious Emissions | PASS | Paul Li |
| 22.917(a) | Band Edge Measurements | PASS | Paul Li |
| - | Peak To Average Ratio | PASS | Paul Li |
| 2.1055 & 22.355 | Frequency Stability | PASS | Paul 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: 854385

BTL's designation number for FCC:CN5020

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 |

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 | Smart Phone | | | |
| Brand Name | HUAWEI | | | |
| Model Name | ALP-L29 | | | |
| Model Difference | N/A | | | |
| Modulation Type | LTE | QPSK, 16QAM | | |
| Operation Frequency | LTE 26 (Channel Bandwidth: 1.4MHz) | 824.7 ~ 848.3 MHz | | |
| | LTE 26 (Channel Bandwidth: 3MHz) | 825.5 ~ 847.5 MHz | | |
| | LTE 26 (Channel Bandwidth: 5MHz) | 826.5 ~ 846.5 MHz | | |
| | LTE 26 (Channel Bandwidth: 10MHz) | 829 ~ 844 MHz | | |
| | LTE 26 (Channel Bandwidth: 15MHz) | 831.5 ~ 841.5 MHz | | |
| Max. ERP Power | LTE 26 (Channel Bandwidth: 1.4MHz) | QPSK | 21.03 | dBm |
| | | 16QAM | 20.15 | dBm |
| | LTE 26 (Channel Bandwidth: 3MHz) | QPSK | 20.98 | dBm |
| | | 16QAM | 20.33 | dBm |
| | LTE 26 (Channel Bandwidth: 5MHz) | QPSK | 21.11 | dBm |
| | | 16QAM | 20.38 | dBm |
| | LTE 26 (Channel Bandwidth: 10MHz) | QPSK | 21.87 | dBm |
| | | 16QAM | 21.21 | dBm |
| | LTE 26 (Channel Bandwidth: 15MHz) | QPSK | 21.67 | dBm |
| | | 16QAM | 21.30 | dBm |
| | Antenna Type | Fixed Internal Antenna | | |
| | Antenna Gain | -2 dBi(Top Ant),-2.2 dBi(Bottom Ant) | | |
| Hardware Version | HL1AALPSM | | | |
| Software Version | ALP-L29 5.0.1.67(C432log) | | | |
| IMEI No 1. | Radiated | 866214030024848 | | |
| | Conducted | 866214030024822 | | |
| IMEI No 2. | Radiated | 866214030025845 | | |
| | Conducted | 866214030025829 | | |
| Power Source | #1 Supplied from AC/DC adapter. #2 Battery Supplied. #3 USB Supplied. | | | |
| Power Rating | #1 Input: 100-240V~50/60Hz 0.75A Output: 5V 2A or 5V 5A or 5V 4.5A #2 3.82V 3900mA #3 DC 5V | | | |

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 | Sunwoda Electronic Co., LTD | HB436486ECW |
| | SCUD (FUJIAN) Electronics Co., Ltd | HB436486ECW |
| | Desay Battery Co., Ltd. | HB436486ECW |
| USB Cable | LUXSHARE-ICT Co., Ltd. | L99UC018-CS-H |
| | Chang Shu Honglin Technology Co.,Ltd. | 130-27309 |
| Adapter | DONGGUAN PHITEK ELECTRONICS CO.,LTD | HW-050450B00 (UK) HW-050450U00 (US) HW-050450E00 (EU) HW-050450A00 (AU) |
| | SHENZHEN HUNTKEY ELECTRONIC CO.,LTD. | |
| | Salcomp (Shenzhen)Co.,Ltd | |
| | HUAWEI Technologies Co., Ltd.(only for UK,US, EU type) | |
| Earphone | JIANGXI LIANCHUANG HONGSHENG ELECTRONIC CO., LTD | MEMD1632B580C00 |
| | BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD | 1311-3291-3.5mm-229 |
| | Goer Tek Inc | NA12 |
| | MERRY ELECTRONICS (SHENZHEN) CO., LTD. | EMC309-001 |

3.2 DESCRIPTION OF TEST MODES AND TEST CONDITION

Following channel(s) was (were) selected for the final test as listed below:

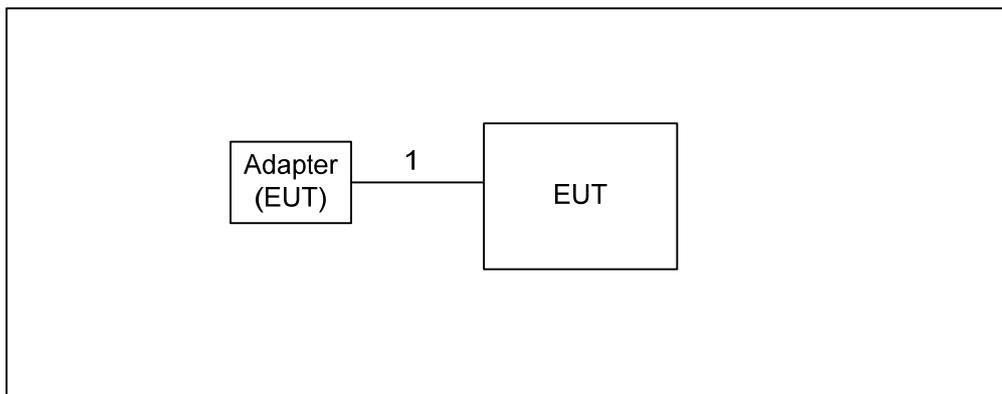
| LTE BAND 26 | | | | | |
|--------------------|-------------------|---------------------|-------------------|---------------------|---------------------|
| Test Item | Available Channel | Tested Channel | Channel Bandwidth | Modulation | Mode |
| ERP | 26797 to 27033 | 26797, 26915, 27033 | 1.4MHz | QPSK, 16QAM | 1 RB / 5 RB Offset |
| | 26805 to 27025 | 26805, 26915, 27025 | 3MHz | QPSK, 16QAM | 1 RB / 14 RB Offset |
| | 26815 to 27015 | 26815, 26915, 27015 | 5MHz | QPSK, 16QAM | 1 RB / 24 RB Offset |
| | 26840 to 26990 | 26840, 26915, 26990 | 10MHz | QPSK, 16QAM | 1 RB / 49 RB Offset |
| | 26865 to 26965 | 26865, 26915, 26965 | 15MHz | QPSK, 16QAM | 1 RB / 49 RB Offset |
| Occupied Bandwidth | 26797 to 27033 | 26797, 26915, 27033 | 1.4MHz | QPSK, 16QAM | 1 RB / 0 RB Offset |
| | 26805 to 27025 | 26805, 26915, 27025 | 3MHz | QPSK, 16QAM | 15 RB / 0 RB Offset |
| | 26815 to 27015 | 26815, 26915, 27015 | 5MHz | QPSK, 16QAM | 25 RB / 0 RB Offset |
| | 26840 to 26990 | 26840, 26915, 26990 | 10MHz | QPSK, 16QAM | 50 RB / 0 RB Offset |
| | 26865 to 26965 | 26865, 26915, 26965 | 15MHz | QPSK, 16QAM | 75 RB / 0 RB Offset |
| Conducted Emission | 26797 to 27033 | 26915 | 1.4MHz | QPSK | 1 RB / 0 RB Offset |
| | 26805 to 27025 | 26915 | 3MHz | QPSK | 15 RB / 0 RB Offset |
| | 26815 to 27015 | 26915 | 5MHz | QPSK | 25 RB / 0 RB Offset |
| | 26840 to 26990 | 26915 | 10MHz | QPSK | 1 RB / 0 RB Offset |
| | 26865 to 26965 | 26915 | 15MHz | QPSK | 25 RB / 0 RB Offset |
| Radiated Emission | 26797 to 27033 | 26797 | 1.4MHz | QPSK | 1 RB / 5 RB Offset |
| | 26865 to 26965 | 26865 | 15MHz | QPSK | 1 RB / 0 RB Offset |
| Band Edge | 26797 to 27033 | 26797 | 1.4MHz | QPSK | 1 RB / 0 RB Offset |
| | | 27033 | 1.4MHz | QPSK | 6 RB / 0 RB Offset |
| | 26805 to 27025 | 26805 | 3MHz | QPSK | 1 RB / 5 RB Offset |
| | | 27025 | 3MHz | QPSK | 1 RB / 0 RB Offset |
| | 26815 to 27015 | 26815 | 5MHz | QPSK | 15 RB / 0 RB Offset |
| | | 27015 | 5MHz | QPSK | 1 RB / 14 RB Offset |
| | 26840 to 26990 | 26840 | 10MHz | QPSK | 15 RB / 0 RB Offset |
| | | 26990 | 10MHz | QPSK | 1 RB / 0 RB Offset |
| | 26865 to 26965 | 26865 | 15MHz | QPSK | 25 RB / 0 RB Offset |
| | | 26965 | 15MHz | QPSK | 1 RB / 24 RB Offset |
| | 26865 to 26965 | 26865 | 15MHz | QPSK | 25 RB / 0 RB Offset |
| | | 26965 | 15MHz | QPSK | 1 RB / 0 RB Offset |
| | 26865 to 26965 | 26865 | 15MHz | QPSK | 75 RB / 0 RB Offset |
| | | 26965 | 15MHz | QPSK | 1 RB / 74 RB Offset |
| 26865 to 26965 | 26865 | 15MHz | QPSK | 75 RB / 0 RB Offset | |
| | 26965 | 15MHz | QPSK | 75 RB / 0 RB Offset | |

| | | | | | |
|-----------------------|----------------|---------------------|--------|-------------|---------------------|
| Peak To Average Ratio | 26797 to 27033 | 26797, 26915, 27033 | 1.4MHz | QPSK, 16QAM | 1 RB / 0 RB Offset |
| | 26805 to 27025 | 26805, 26915, 27025 | 3MHz | QPSK, 16QAM | 15 RB / 0 RB Offset |
| | 26815 to 27015 | 26815, 26915, 27015 | 5MHz | QPSK, 16QAM | 25 RB / 0 RB Offset |
| | 26840 to 26990 | 26840, 26915, 26990 | 10MHz | QPSK, 16QAM | 50 RB / 0 RB Offset |
| | 26865 to 26965 | 26865, 26915, 26965 | 15MHz | QPSK, 16QAM | 75 RB / 0 RB Offset |
| Frequency Stability | 26797 to 27033 | 26915 | 1.4MHz | QPSK | 1 RB / 5 RB Offset |
| | 26805 to 27025 | 26915 | 3MHz | QPSK | 1 RB / 14 RB Offset |
| | 26815 to 27015 | 26915 | 5MHz | QPSK | 1 RB / 24 RB Offset |
| | 26840 to 26990 | 26915 | 10MHz | QPSK | 1 RB / 49 RB Offset |
| | 26865 to 26965 | 26915 | 15MHz | QPSK | 1 RB / 49 RB Offset |

EUT TEST CONDITIONS:

| Test Item | Environmental Conditions | Test Voltage |
|------------------------|--------------------------|--------------|
| ERP | 25°C, 60%RH | DC 3.82V |
| Conducted Output Power | 25°C, 65%RH | DC 3.82V |
| Occupied Bandwidth | 25°C, 65%RH | DC 3.82V |
| Conducted Emission | 25°C, 65%RH | DC 3.82V |
| Radiated Emission | 25°C, 60%RH | AC 120V/60Hz |
| Band Edge | 25°C, 65%RH | DC 3.82V |
| Peak to Average Ratio | 25°C, 65%RH | DC 3.82V |
| Frequency Stability | 25°C, 65%RH | DC 3.82V |

3.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED FOR RADIATED



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 | 1.5m | 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:

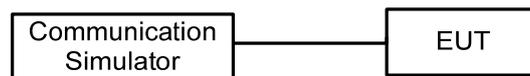
1. EIRP= Conducted Power +Antenan gain
ERP power=EIPR power-2.15dBi.

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

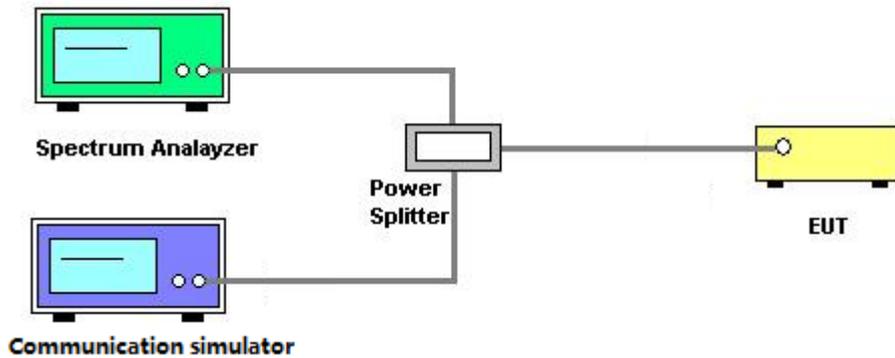
Please refer to the Appendix A.

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 Appendix B.

4.3 CONDUCTED EMISSIONS MEASUREMENT

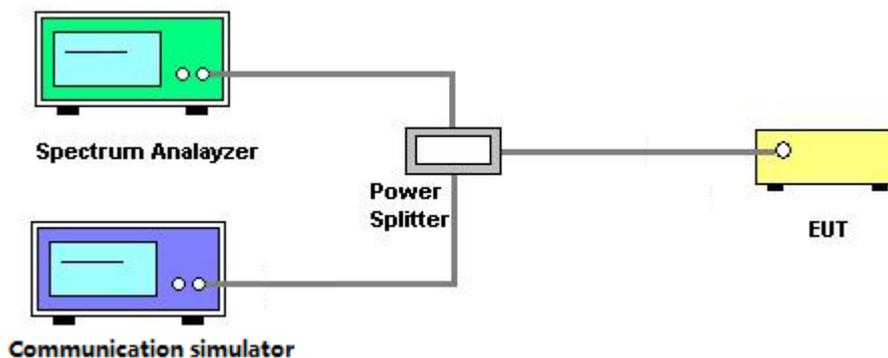
4.3.1 LIMIT

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

4.3.3 TESTSETUP LAYOUT



4.3.4 TESTDEVIATION

No deviation

4.3.5 TEST RESULTS

Please refer to the Appendix C.

4.4 RADIATED EMISSIONS MEASUREMENT

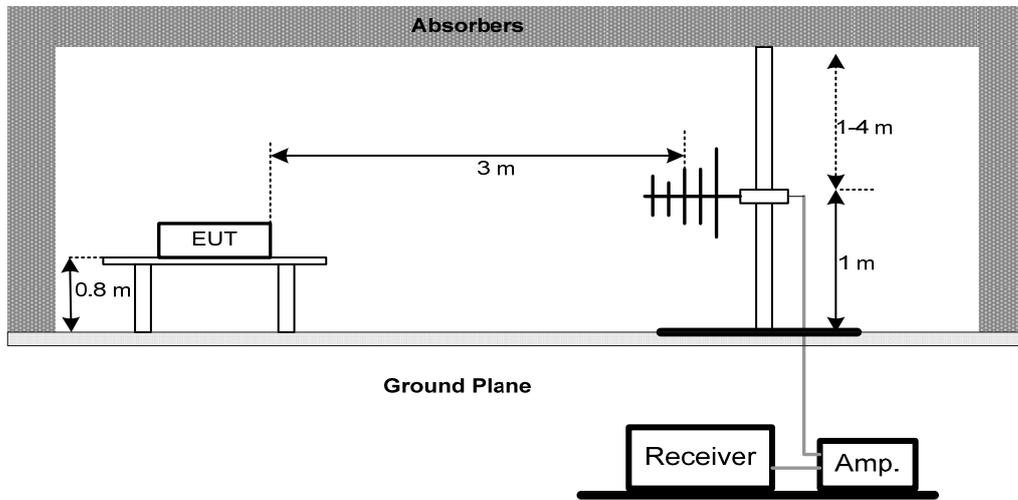
4.4.1 LIMIT

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.

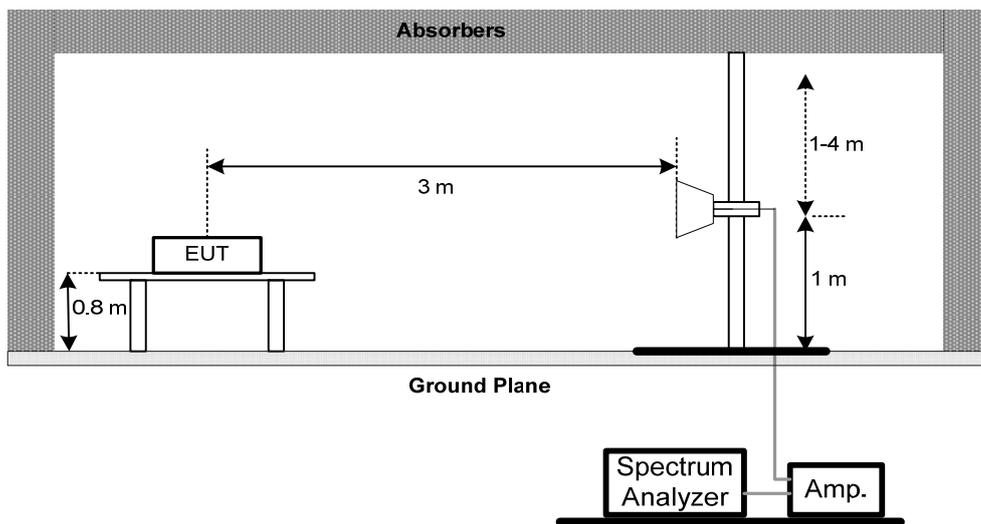
4.4.2 TEST PROCEDURES

1. 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
Below 1G



Above 1G



4.4.4 TESTDEVIATION

No deviation

4.4.5 TEST RESULTS

Please refer to the Appendix D.

4.5 BAND EDGE MEASUREMENT

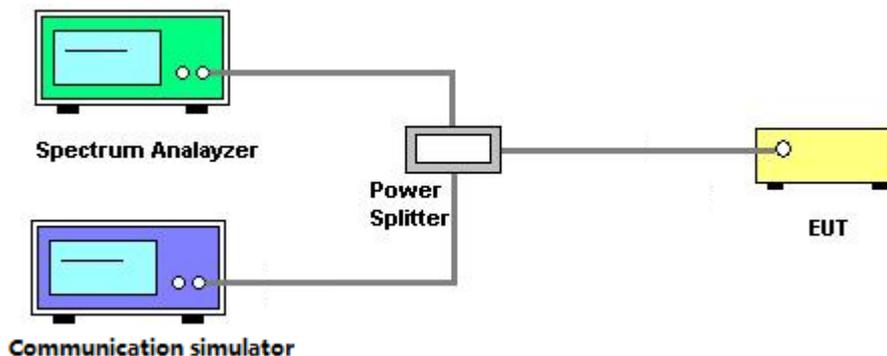
4.5.1 LIMIT

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 Appendix E.

4.6 PEAK TO AVERAGE RATIO MEASUREMENT

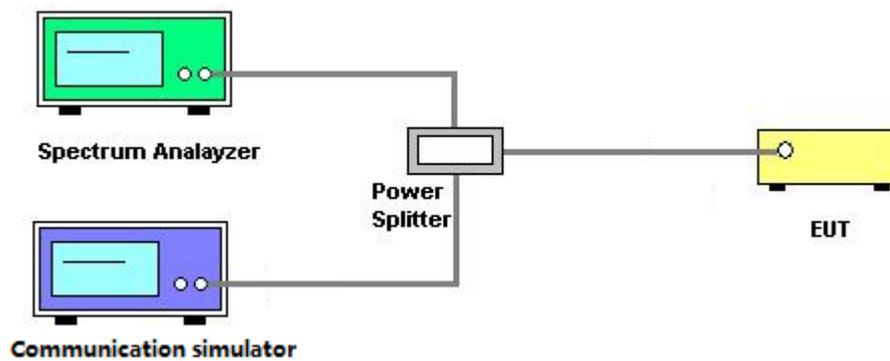
4.6.1 LIMIT

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 Appendix F.

4.7 FREQUENCY STABILITY MEASUREMENT

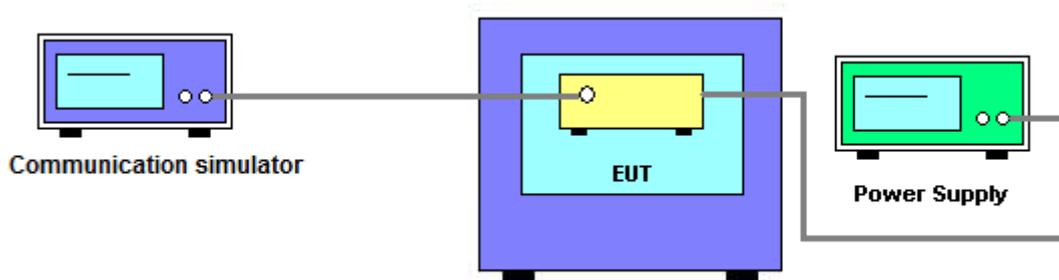
4.7.1 LIMIT

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 Appendix G.

5. LIST OF MEASUREMENT EQUIPMENTS

| Radiated Emission Measurement | | | | | |
|-------------------------------|-------------------------------------|-----------------------------|---|-----------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Antenna | Schwarbeck | VULB9160 | 9160-3232 | Mar. 26, 2018 |
| 2 | Double Ridged Guide Antenna | ETS | 3115 | 75789 | Mar. 26, 2018 |
| 3 | Broad-Band Horn Antenna | Schwarzbeck | BBHA 9170 | 9170319 | Jun. 08, 2018 |
| 4 | Amplifier | Agilent | 8449B | 3008A02274 | May. 16, 2018 |
| 5 | Amplifier | HP | 8447D | 2944A09673 | Oct. 20, 2017 |
| 6 | HighPass Filter | Wairwright Instruments Gmbh | WHK 1.5/15G-10ST | 11 | Feb. 20, 2018 |
| 7 | Band Reject Filter | Wairwright Instruments Gmbh | WRCG 1710/1785-1690/180 5-60/12SS | 38 | Feb. 15, 2018 |
| 8 | Band Reject Filter | Wairwright Instruments Gmbh | WRCG 824/849-810/863-60/ 9SS | 7 | Feb. 15, 2018 |
| 9 | Band Reject Filter | Wairwright Instruments Gmbh | WRCG 880/915-860/935-60/ 9SS | 14 | Feb. 15, 2018 |
| 10 | Band Reject Filter | Wairwright Instruments Gmbh | WRCG 1850/1910-1830/193 0-60/10SS | 17 | Feb. 15, 2018 |
| 11 | HighPass Filter | Wairwright Instruments Gmbh | WHK3.1/18G-10SS | 24 | Feb. 20, 2018 |
| 12 | Wireless Communication Test SET | Agilent | E5515C | MY48364183 | Mar. 26, 2018 |
| 13 | Microwave Preamplifier With Adaptor | EMC INSTRUMENT | EMC2654045 | 980039 & HA01 | Mar. 26, 2018 |
| 14 | Receiver | Agilent | N9038A | MY52130039 | Aug. 20, 2018 |
| 15 | wideband radio communication tester | R&S | CMW500 | 152372 | Mar. 26, 2018 |
| 16 | High pass filter | Chengdu kangmaiwei | ZHPF-M3-12.75G-38 69 | B201507376 3 | Aug. 04, 2018 |
| 17 | High pass filter | Chengdu kangmaiwei | ZHPF-M1000-4000- 1 | B201507376 2 | Aug. 04, 2018 |
| 18 | High pass filter | Chengdu kangmaiwei | ZHPF-M6-186-1727 | B201507376 4 | Aug. 04, 2018 |
| 19 | Cable | emci | LMR-400(30MHz-1G Hz)(8m+5m) | N/A | Jun. 26, 2018 |
| 20 | Cable | emci | EMC104-SM-SM-12 000(12m) | N/A | Jun. 26, 2018 |
| 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. 26, 2018 |
| 2 | EXA Spectrum Analyzer | Agilent | N9010A | MY50520044 | Mar. 26, 2018 |
| 3 | POWER SPLITTER | Mini-Circuits | ZFRSC-123-S+ | 331000910-1 | May. 16, 2018 |
| 4 | wideband radio communication tester | R&S | CMW500 | 152372 | Mar. 26, 2018 |

| Frequency Stability Measurement | | | | | |
|---------------------------------|-------------------------------------|---------------|--------------|-------------|------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
| 1 | Wireless Communication Test SET | Agilent | E5515C | MY48364183 | Mar. 26, 2018 |
| 2 | Multi-output DC Power Supply | GW Instek | GPC-3030DN | EK880675 | Oct. 13, 2017 |
| 3 | POWER SPLITTER | Mini-Circuits | ZFRSC-123-S+ | 331000910-1 | May. 16, 2018 |
| 4 | wideband radio communication tester | R&S | CMW500 | 152372 | Mar. 26, 2018 |
| 5 | Const Temp, & Humidity Chamber | Bell | BTH-50C | 20170306001 | Mar. 26, 2018 |

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

APPENDIX A - OUTPUT POWER

Conducted Power:

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26797 CH | 26915 CH | 27033 CH |
| | | | | 824.7 MHz | 836.5 MHz | 848.3 MHz |
| 26 / 1.4M | QPSK | 1 | 0 | 23.03 | 22.51 | 22.27 |
| | | 1 | 2 | 23.01 | 22.58 | 22.88 |
| | | 1 | 5 | 22.97 | 22.73 | 22.95 |
| | | 3 | 0 | 22.99 | 22.63 | 22.92 |
| | | 3 | 1 | 22.98 | 22.96 | 22.93 |
| | | 3 | 2 | 22.98 | 22.96 | 22.94 |
| | | 6 | 0 | 22.04 | 21.89 | 21.97 |
| | 16QAM | 1 | 0 | 22.15 | 22.10 | 22.03 |
| | | 1 | 2 | 22.15 | 22.00 | 22.04 |
| | | 1 | 5 | 22.07 | 22.01 | 21.98 |
| | | 3 | 0 | 22.07 | 21.99 | 21.91 |
| | | 3 | 1 | 22.06 | 22.01 | 21.89 |
| | | 3 | 2 | 22.09 | 21.97 | 21.89 |
| | | 6 | 0 | 21.12 | 20.92 | 21.03 |

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26805 CH | 26915 CH | 27025 CH |
| | | | | 825.5 MHz | 836.5 MHz | 847.5 MHz |
| 26 / 3M | QPSK | 1 | 0 | 22.55 | 22.38 | 22.90 |
| | | 1 | 7 | 22.89 | 22.98 | 22.91 |
| | | 1 | 14 | 22.87 | 22.76 | 22.61 |
| | | 8 | 0 | 21.55 | 22.01 | 21.95 |
| | | 8 | 4 | 21.89 | 21.90 | 21.94 |
| | | 8 | 7 | 21.83 | 21.84 | 21.86 |
| | | 15 | 0 | 21.85 | 21.92 | 21.94 |
| | 16QAM | 1 | 0 | 22.04 | 22.08 | 22.01 |
| | | 1 | 7 | 22.33 | 22.04 | 22.13 |
| | | 1 | 14 | 22.32 | 21.87 | 21.98 |
| | | 8 | 0 | 21.04 | 20.99 | 20.84 |
| | | 8 | 4 | 21.11 | 20.96 | 21.00 |
| | | 8 | 7 | 21.02 | 20.87 | 20.92 |
| | | 15 | 0 | 21.05 | 20.87 | 20.98 |

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26815 CH | 26915 CH | 27015 CH |
| | | | | 826.5 MHz | 836.5 MHz | 846.5 MHz |
| 26 / 5M | QPSK | 1 | 0 | 22.73 | 22.59 | 22.66 |
| | | 1 | 13 | 22.99 | 22.86 | 22.94 |
| | | 1 | 24 | 23.11 | 22.84 | 22.95 |
| | | 12 | 0 | 22.11 | 22.12 | 21.99 |
| | | 12 | 6 | 22.04 | 22.06 | 22.04 |
| | | 12 | 11 | 21.94 | 21.92 | 22.14 |
| | 16QAM | 25 | 0 | 21.95 | 22.01 | 21.91 |
| | | 1 | 0 | 22.13 | 22.38 | 22.10 |
| | | 1 | 13 | 22.32 | 22.17 | 22.38 |
| | | 1 | 24 | 22.33 | 22.10 | 22.10 |
| | | 12 | 0 | 21.01 | 21.07 | 20.96 |
| | | 12 | 6 | 21.06 | 20.92 | 21.07 |
| | | 12 | 11 | 21.07 | 20.91 | 21.22 |
| | | 25 | 0 | 21.00 | 20.91 | 20.91 |

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26840 CH | 26915 CH | 26990 CH |
| | | | | 829.0 MHz | 836.5 MHz | 844.0 MHz |
| 26 / 10M | QPSK | 1 | 0 | 23.73 | 22.91 | 23.44 |
| | | 1 | 25 | 23.28 | 23.87 | 23.87 |
| | | 1 | 49 | 23.10 | 23.66 | 22.83 |
| | | 25 | 0 | 22.25 | 22.10 | 22.32 |
| | | 25 | 13 | 22.01 | 22.13 | 22.47 |
| | | 25 | 25 | 21.74 | 22.28 | 22.10 |
| | 16QAM | 50 | 0 | 21.10 | 22.07 | 22.36 |
| | | 1 | 0 | 22.94 | 22.12 | 22.70 |
| | | 1 | 25 | 23.11 | 23.18 | 23.21 |
| | | 1 | 49 | 22.39 | 22.66 | 22.19 |
| | | 25 | 0 | 21.14 | 21.24 | 21.41 |
| | | 25 | 13 | 21.01 | 21.37 | 21.20 |
| | | 25 | 25 | 20.77 | 21.39 | 20.98 |
| | | 50 | 0 | 21.00 | 21.20 | 21.25 |

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26865 CH | 26915 CH | 26965 CH |
| | | | | 831.5 MHz | 836.5 MHz | 841.5 MHz |
| 26 / 15M | QPSK | 1 | 0 | 23.67 | 23.23 | 23.25 |
| | | 1 | 38 | 23.01 | 22.98 | 23.35 |
| | | 1 | 74 | 23.07 | 22.84 | 22.64 |
| | | 36 | 0 | 23.07 | 22.34 | 22.57 |
| | | 36 | 18 | 22.12 | 22.10 | 22.49 |
| | | 36 | 39 | 22.05 | 22.23 | 22.36 |
| | | 75 | 0 | 22.28 | 22.17 | 22.39 |
| | 16QAM | 1 | 0 | 23.30 | 22.58 | 22.61 |
| | | 1 | 38 | 22.27 | 22.16 | 22.69 |
| | | 1 | 74 | 22.42 | 22.68 | 21.91 |
| | | 36 | 0 | 22.42 | 21.55 | 21.44 |
| | | 36 | 18 | 20.98 | 21.12 | 21.38 |
| | | 36 | 39 | 20.92 | 21.10 | 21.30 |
| | | 75 | 0 | 21.19 | 21.13 | 21.28 |

ERP Power:

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26797 CH | 26915 CH | 27033 CH |
| | | | | 824.7 MHz | 836.5 MHz | 848.3 MHz |
| 26 / 1.4M | QPSK | 1 | 0 | 21.03 | 20.51 | 20.27 |
| | | 1 | 2 | 21.01 | 20.58 | 20.88 |
| | | 1 | 5 | 20.97 | 20.73 | 20.95 |
| | | 3 | 0 | 20.99 | 20.63 | 20.92 |
| | | 3 | 1 | 20.98 | 20.96 | 20.93 |
| | | 3 | 2 | 20.98 | 20.96 | 20.94 |
| | | 6 | 0 | 20.04 | 19.89 | 19.97 |
| | 16QAM | 1 | 0 | 20.15 | 20.10 | 20.03 |
| | | 1 | 2 | 20.15 | 20.00 | 20.04 |
| | | 1 | 5 | 20.07 | 20.01 | 19.98 |
| | | 3 | 0 | 20.07 | 19.99 | 19.91 |
| | | 3 | 1 | 20.06 | 20.01 | 19.89 |
| | | 3 | 2 | 20.09 | 19.97 | 19.89 |
| | | 6 | 0 | 19.12 | 18.92 | 19.03 |

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26805 CH | 26915 CH | 27025 CH |
| | | | | 825.5 MHz | 836.5 MHz | 847.5 MHz |
| 26 / 3M | QPSK | 1 | 0 | 20.55 | 20.38 | 20.90 |
| | | 1 | 7 | 20.89 | 20.98 | 20.91 |
| | | 1 | 14 | 20.87 | 20.76 | 20.61 |
| | | 8 | 0 | 19.55 | 20.01 | 19.95 |
| | | 8 | 4 | 19.89 | 19.90 | 19.94 |
| | | 8 | 7 | 19.83 | 19.84 | 19.86 |
| | | 15 | 0 | 19.85 | 19.92 | 19.94 |
| | 16QAM | 1 | 0 | 20.04 | 20.08 | 20.01 |
| | | 1 | 7 | 20.33 | 20.04 | 20.13 |
| | | 1 | 14 | 20.32 | 19.87 | 19.98 |
| | | 8 | 0 | 19.04 | 18.99 | 18.84 |
| | | 8 | 4 | 19.11 | 18.96 | 19.00 |
| | | 8 | 7 | 19.02 | 18.87 | 18.92 |
| | | 15 | 0 | 19.05 | 18.87 | 18.98 |

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26815 CH | 26915 CH | 27015 CH |
| | | | | 826.5 MHz | 836.5 MHz | 846.5 MHz |
| 26 / 5M | QPSK | 1 | 0 | 20.73 | 20.59 | 20.66 |
| | | 1 | 13 | 20.99 | 20.86 | 20.94 |
| | | 1 | 24 | 21.11 | 20.84 | 20.95 |
| | | 12 | 0 | 20.11 | 20.12 | 19.99 |
| | | 12 | 6 | 20.04 | 20.06 | 20.04 |
| | | 12 | 11 | 19.94 | 19.92 | 20.14 |
| | 16QAM | 25 | 0 | 19.95 | 20.01 | 19.91 |
| | | 1 | 0 | 20.13 | 20.38 | 20.10 |
| | | 1 | 13 | 20.32 | 20.17 | 20.38 |
| | | 1 | 24 | 20.33 | 20.10 | 20.10 |
| | | 12 | 0 | 19.01 | 19.07 | 18.96 |
| | | 12 | 6 | 19.06 | 18.92 | 19.07 |
| | | 12 | 11 | 19.07 | 18.91 | 19.22 |
| | | 25 | 0 | 19.00 | 18.91 | 18.91 |

| LTE Band / BW | Modulation | RB Sizing | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|-----------|-----------|-----------|-----------|-----------|
| | | | | 26840 CH | 26915 CH | 26990 CH |
| | | | | 829.0 MHz | 836.5 MHz | 844.0 MHz |
| 26 / 10M | QPSK | 1 | 0 | 21.73 | 20.91 | 21.44 |
| | | 1 | 25 | 21.28 | 21.87 | 21.87 |
| | | 1 | 49 | 21.10 | 21.66 | 20.83 |
| | | 25 | 0 | 20.25 | 20.10 | 20.32 |
| | | 25 | 13 | 20.01 | 20.13 | 20.47 |
| | | 25 | 25 | 19.74 | 20.28 | 20.10 |
| | | 50 | 0 | 19.10 | 20.07 | 20.36 |
| | 16QAM | 1 | 0 | 20.94 | 20.12 | 20.70 |
| | | 1 | 25 | 21.11 | 21.18 | 21.21 |
| | | 1 | 49 | 20.39 | 20.66 | 20.19 |
| | | 25 | 0 | 19.14 | 19.24 | 19.41 |
| | | 25 | 13 | 19.01 | 19.37 | 19.20 |
| | | 25 | 25 | 18.77 | 19.39 | 18.98 |
| | | 50 | 0 | 19.00 | 19.20 | 19.25 |

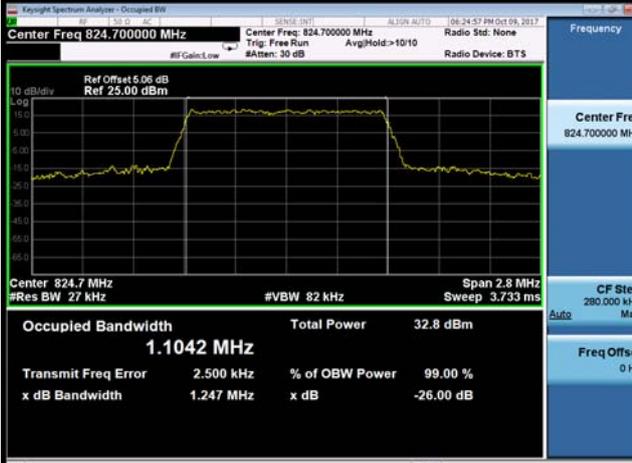
| LTE Band / BW | Modulation | RB Sizer | RB Offset | Low CH | Mid CH | High CH |
|---------------|------------|----------|-----------|-----------|-----------|-----------|
| | | | | 26865 CH | 26915 CH | 26965 CH |
| | | | | 831.5 MHz | 836.5 MHz | 841.5 MHz |
| 26 / 15M | QPSK | 1 | 0 | 21.67 | 21.23 | 21.25 |
| | | 1 | 38 | 21.01 | 20.98 | 21.35 |
| | | 1 | 74 | 21.07 | 20.84 | 20.64 |
| | | 36 | 0 | 21.07 | 20.34 | 20.57 |
| | | 36 | 18 | 20.12 | 20.10 | 20.49 |
| | | 36 | 39 | 20.05 | 20.23 | 20.36 |
| | | 75 | 0 | 20.28 | 20.17 | 20.39 |
| | 16QAM | 1 | 0 | 21.30 | 20.58 | 20.61 |
| | | 1 | 38 | 20.27 | 20.16 | 20.69 |
| | | 1 | 74 | 20.42 | 20.68 | 19.91 |
| | | 36 | 0 | 20.42 | 19.55 | 19.44 |
| | | 36 | 18 | 18.98 | 19.12 | 19.38 |
| | | 36 | 39 | 18.92 | 19.10 | 19.30 |
| | | 75 | 0 | 19.19 | 19.13 | 19.28 |

APPENDIX B - OCCUPIED BANDWIDTH

| LTE Band 26_1.4M | | | | | |
|------------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK | | | 16QAM | | |
| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 26797 | 824.7 | 1.1042 | 26797 | 824.7 | 1.0990 |
| 26915 | 836.5 | 1.0930 | 26915 | 836.5 | 1.1052 |
| 27033 | 848.3 | 1.0985 | 27033 | 848.3 | 1.1011 |
| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 26797 | 824.7 | 1.247 | 26797 | 824.7 | 1.252 |
| 26915 | 836.5 | 1.253 | 26915 | 836.5 | 1.251 |
| 27033 | 848.3 | 1.244 | 27033 | 848.3 | 1.248 |

Spectrum Plot

QPSK-26797



QPSK-26915



QPSK-27033



16QAM-26797



16QAM-26915



16QAM-27033



| LTE Band 26_3M | | | | | |
|----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK | | | 16QAM | | |
| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 26805 | 825.5 | 2.7122 | 26805 | 825.5 | 2.7272 |
| 26915 | 836.5 | 2.7077 | 26915 | 836.5 | 2.7180 |
| 27025 | 847.5 | 2.7342 | 27025 | 847.5 | 2.7195 |
| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 26805 | 825.5 | 2.990 | 26805 | 825.5 | 3.009 |
| 26915 | 836.5 | 3.003 | 26915 | 836.5 | 2.991 |
| 27025 | 847.5 | 3.005 | 27025 | 847.5 | 2.980 |

Spectrum Plot



| LTE Band 26_5M | | | | | |
|----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK | | | 16QAM | | |
| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 26815 | 826.5 | 4.5332 | 26815 | 826.5 | 4.5268 |
| 26915 | 836.5 | 4.5243 | 26915 | 836.5 | 4.5280 |
| 27015 | 846.5 | 4.5299 | 27015 | 846.5 | 4.5296 |
| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 26815 | 826.5 | 4.988 | 26815 | 826.5 | 4.995 |
| 26915 | 836.5 | 5.014 | 26915 | 836.5 | 4.984 |
| 27015 | 846.5 | 5.000 | 27015 | 846.5 | 5.020 |

Spectrum Plot



| LTE Band 26_10M | | | | | |
|-----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK | | | 16QAM | | |
| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 26840 | 829.0 | 8.9917 | 26840 | 829.0 | 9.0228 |
| 26915 | 836.5 | 9.0194 | 26915 | 836.5 | 9.0330 |
| 26990 | 844.0 | 8.9827 | 26990 | 844.0 | 9.0057 |
| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 26840 | 829.0 | 9.893 | 26840 | 829.0 | 9.941 |
| 26915 | 836.5 | 9.926 | 26915 | 836.5 | 9.979 |
| 26990 | 844.0 | 9.870 | 26990 | 844.0 | 9.907 |

Spectrum Plot



| LTE Band 26_15M | | | | | |
|-----------------|-----------------|------------------------------|---------|-----------------|------------------------------|
| QPSK | | | 16QAM | | |
| Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |
| 26865 | 831.5 | 13.550 | 26865 | 831.5 | 13.578 |
| 26915 | 836.5 | 13.532 | 26915 | 836.5 | 13.542 |
| 26965 | 841.5 | 13.516 | 26965 | 841.5 | 13.458 |
| Channel | Frequency (MHz) | 26dB Bandwidth (MHz) | Channel | Frequency (MHz) | 26dB Bandwidth (MHz) |
| 26865 | 831.5 | 15.03 | 26865 | 831.5 | 15.10 |
| 26915 | 836.5 | 14.96 | 26915 | 836.5 | 15.02 |
| 26965 | 841.5 | 14.89 | 26965 | 841.5 | 14.87 |

Spectrum Plot



APPENDIX C - CONDUCTED EMISSIONS

LTE Band 26_1.4M

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| 26915 | 836.5 | 26915 | 836.5 |
| | | | |
| Channel | Frequency(MHz) | - | - |
| 26915 | 836.5 | - | - |
| | | | |

LTE Band 26_3M

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| 26915 | 836.5 | 26915 | 836.5 |
| | | | |
| Channel | Frequency(MHz) | - | - |
| 26915 | 836.5 | - | - |
| | | | |

LTE Band 26_5M

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| 26915 | 836.5 | 26915 | 836.5 |
| | | | |
| Channel | Frequency(MHz) | - | - |
| 26915 | 836.5 | - | - |
| | | | |

LTE Band 26_10M

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| 26915 | 836.5 | 26915 | 836.5 |
| | | | |
| Channel | Frequency(MHz) | - | - |
| 26915 | 836.5 | - | - |
| | | | |

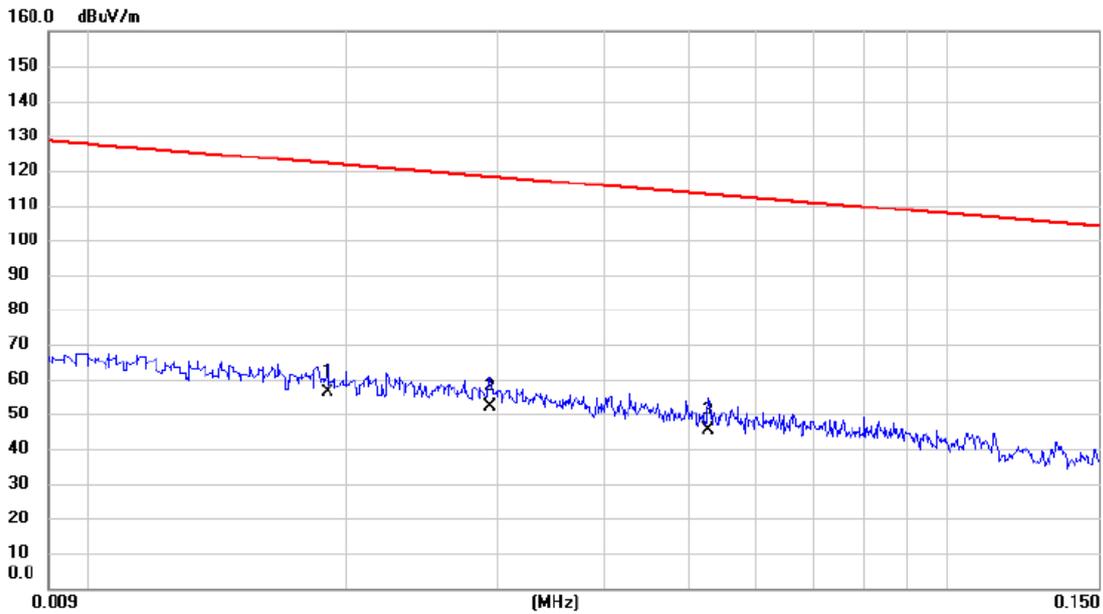
LTE Band 26_15M

| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
|---------|----------------|---------|----------------|
| 26915 | 836.5 | 26915 | 836.5 |
| | | | |
| Channel | Frequency(MHz) | - | - |
| 26915 | 836.5 | - | - |
| | | - | |

APPENDIX D - RADIATED EMISSION

Test Mode: TX Mode (Adapter: PHITEK)

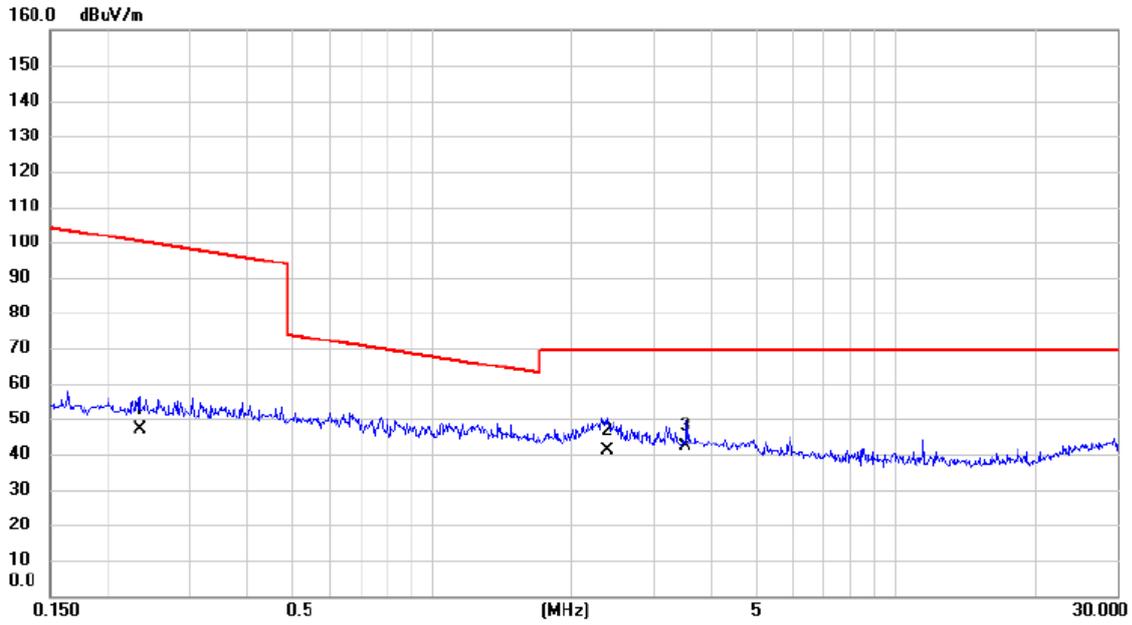
Ant 0°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 0.019 | 36.58 | 19.75 | 56.33 | 122.03 | -65.70 | AVG | |
| 2 | | 0.029 | 32.67 | 19.34 | 52.01 | 118.24 | -66.23 | AVG | |
| 3 | | 0.053 | 26.57 | 18.66 | 45.23 | 113.15 | -67.92 | AVG | |

Test Mode: TX Mode (Adapter: PHITEK)

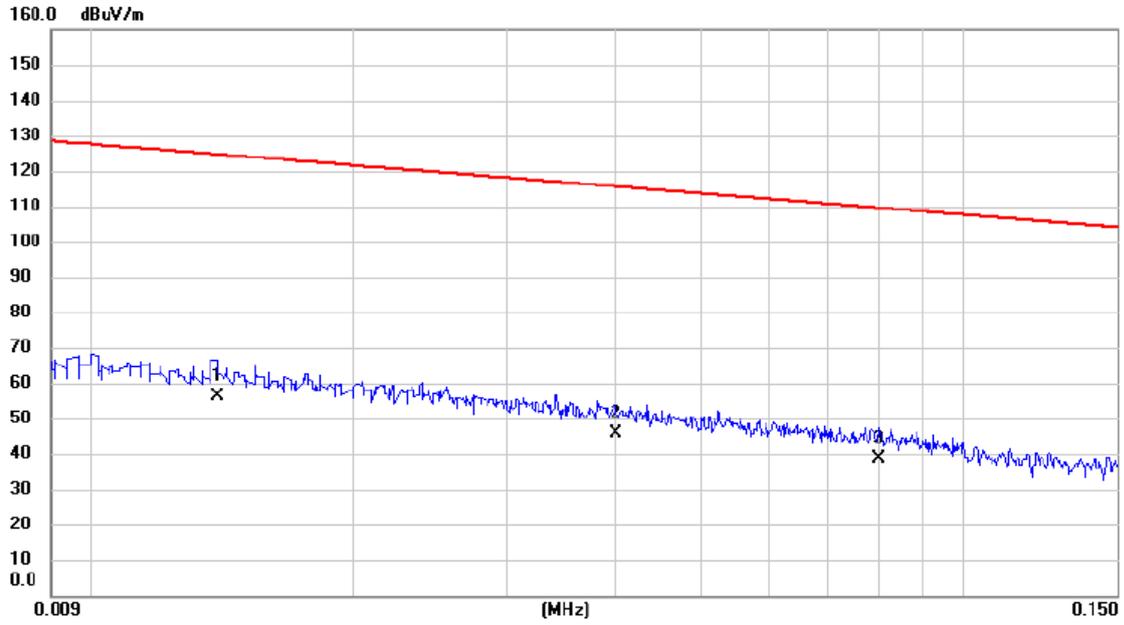
Ant 0°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.234 | 30.46 | 16.70 | 47.16 | 100.22 | -53.06 | AVG | |
| 2 | | 2.384 | 25.76 | 15.40 | 41.16 | 69.54 | -28.38 | QP | |
| 3 | * | 3.528 | 26.94 | 15.08 | 42.02 | 69.54 | -27.52 | QP | |

Test Mode: TX Mode (Adapter: PHITEK)

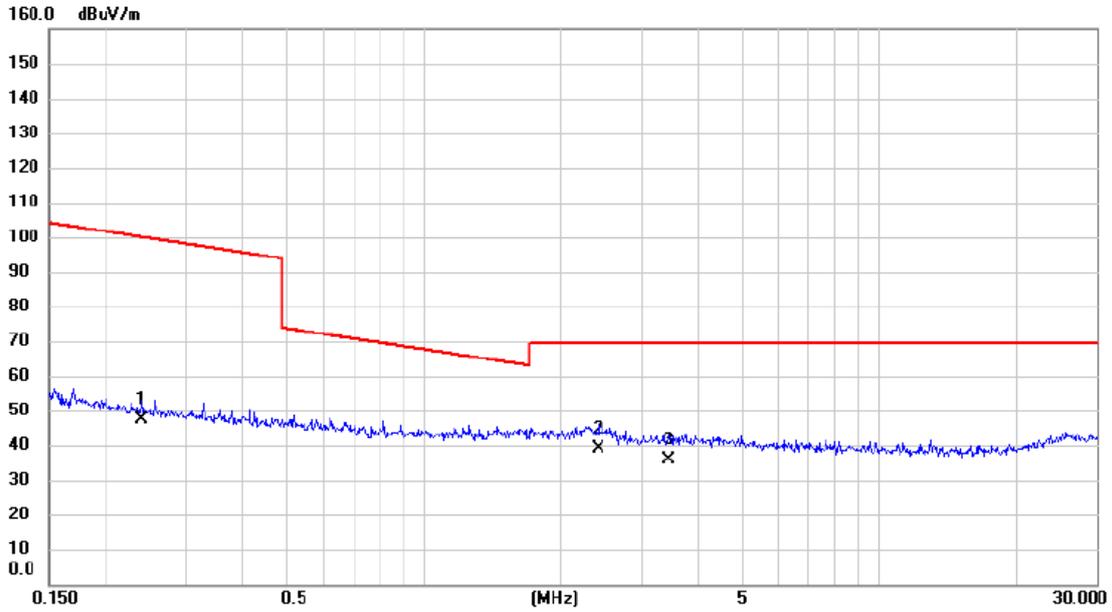
Ant 90°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 0.014 | 35.70 | 20.40 | 56.10 | 124.68 | -68.58 | AVG | |
| 2 | | 0.040 | 26.64 | 19.02 | 45.66 | 115.56 | -69.90 | AVG | |
| 3 | | 0.080 | 20.43 | 18.11 | 38.54 | 109.53 | -70.99 | AVG | |

Test Mode: TX Mode (Adapter: PHITEK)

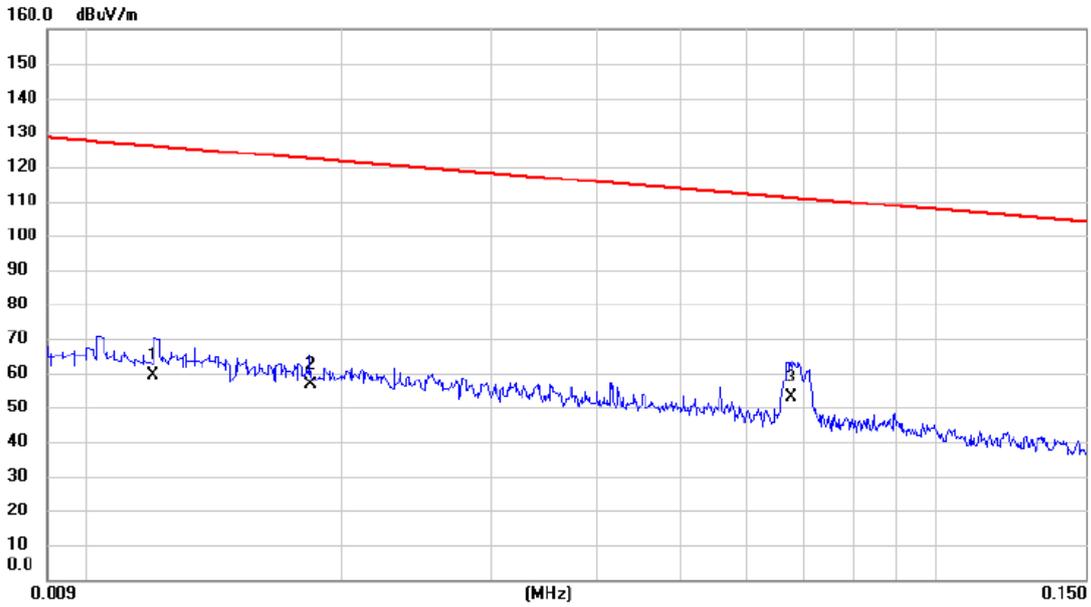
Ant 90°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.240 | 30.58 | 16.69 | 47.27 | 99.99 | -52.72 | AVG | |
| 2 | * | 2.422 | 23.49 | 15.39 | 38.88 | 69.54 | -30.66 | QP | |
| 3 | | 3.454 | 20.84 | 15.10 | 35.94 | 69.54 | -33.60 | QP | |

Test Mode: TX Mode (Adapter: HUNTKEY)

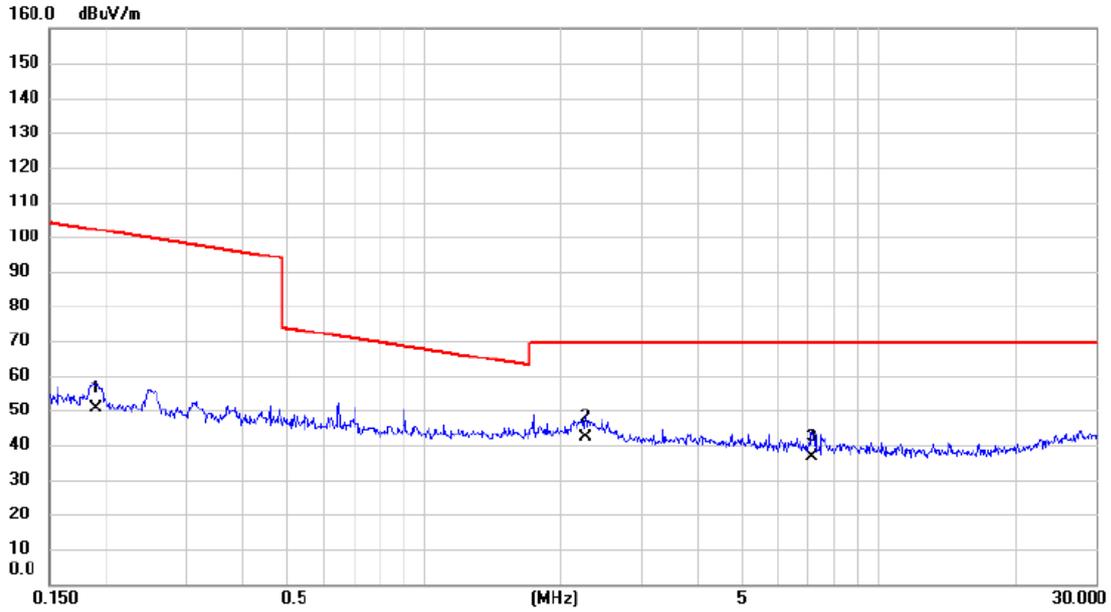
Ant 0°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.012 | 38.55 | 20.66 | 59.21 | 126.02 | -66.81 | AVG | |
| 2 | | 0.018 | 36.97 | 19.83 | 56.80 | 122.31 | -65.51 | AVG | |
| 3 | * | 0.068 | 34.69 | 18.38 | 53.07 | 110.99 | -57.92 | AVG | |

Test Mode: TX Mode (Adapter: HUNTKEY)

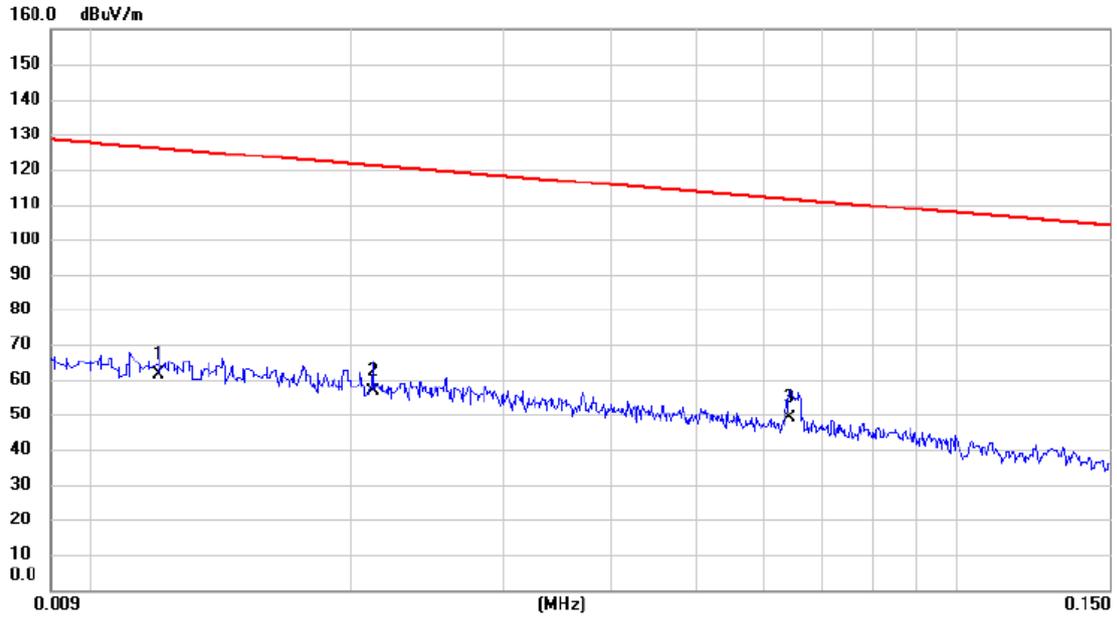
Ant 0°



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|-------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | | |
| 1 | | 0.190 | 33.69 | 16.83 | 50.52 | 102.01 | -51.49 | AVG | |
| 2 | * | 2.273 | 26.57 | 15.44 | 42.01 | 69.54 | -27.53 | QP | |
| 3 | | 7.137 | 22.63 | 14.10 | 36.73 | 69.54 | -32.81 | QP | |

Test Mode: TX Mode (Adapter: HUNTKEY)

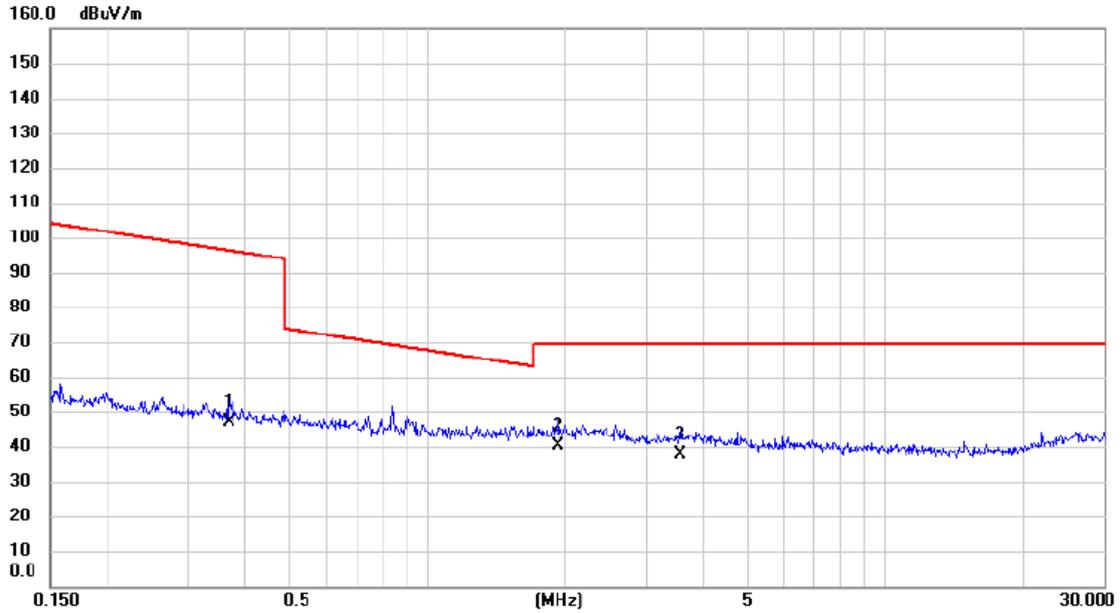
Ant 90°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.012 | 40.65 | 20.66 | 61.31 | 126.02 | -64.71 | AVG | |
| 2 | | 0.021 | 36.84 | 19.58 | 56.42 | 121.08 | -64.66 | AVG | |
| 3 | * | 0.064 | 30.49 | 18.45 | 48.94 | 111.47 | -62.53 | AVG | |

Test Mode: TX Mode (Adapter: HUNTKEY)

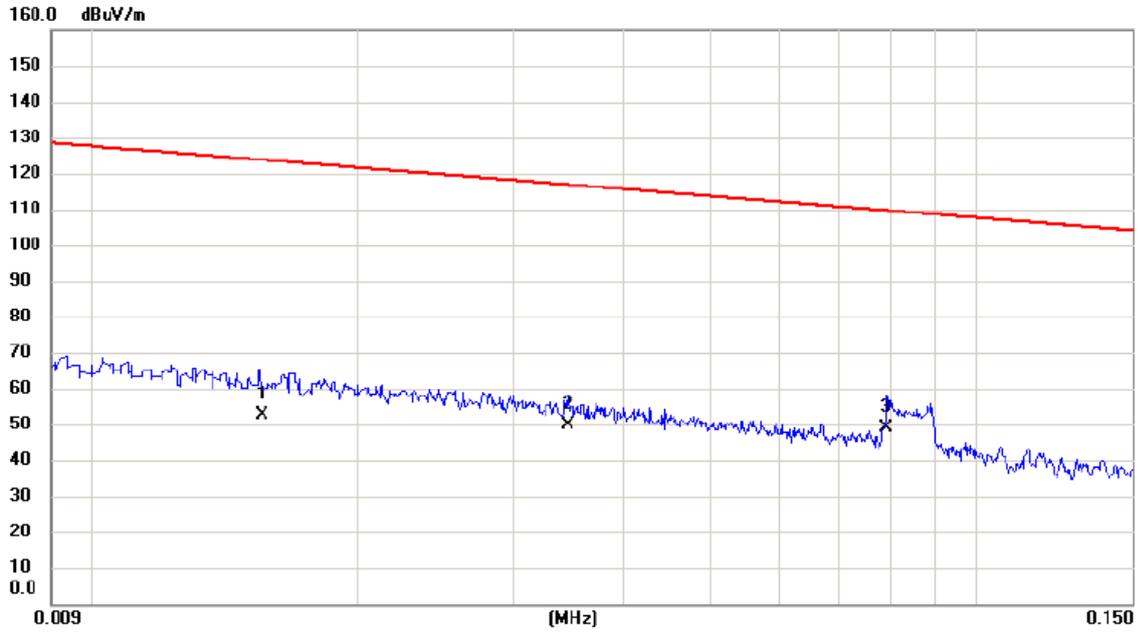
Ant 90°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.369 | 30.59 | 16.56 | 47.15 | 96.26 | -49.11 | AVG | |
| 2 | * | 1.928 | 24.63 | 15.54 | 40.17 | 69.54 | -29.37 | QP | |
| 3 | | 3.565 | 22.73 | 15.07 | 37.80 | 69.54 | -31.74 | QP | |

Test Mode: TX Mode (Adapter: Salcomp)

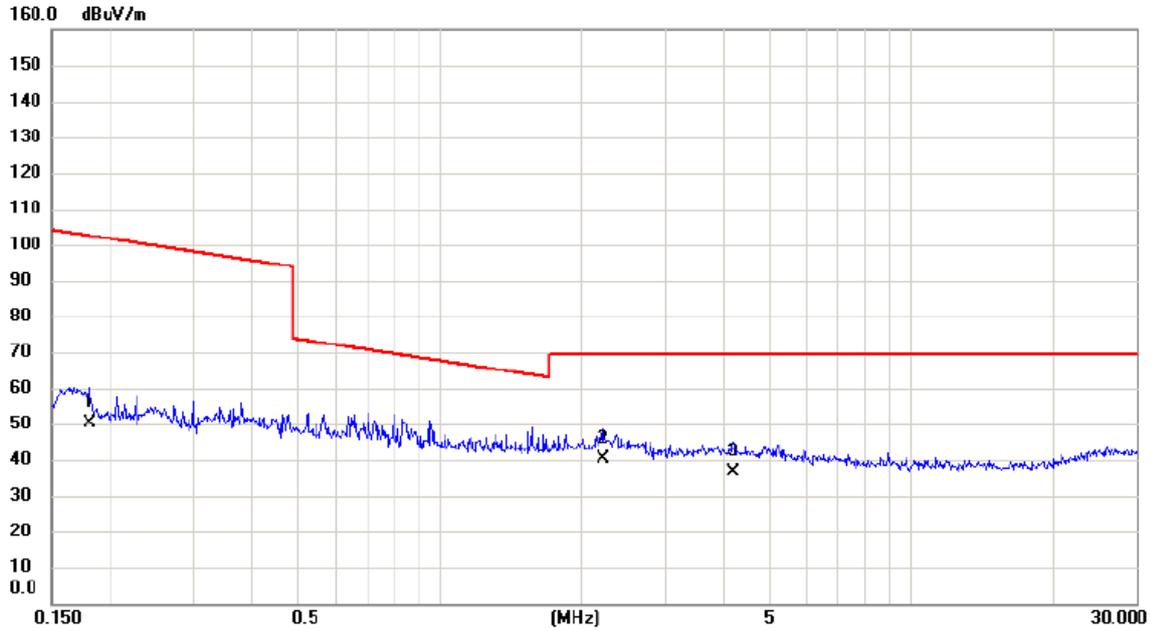
Ant 0°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.0156 | 32.25 | 20.19 | 52.44 | 123.74 | -71.30 | AVG | |
| 2 | | 0.0345 | 30.49 | 19.18 | 49.67 | 116.85 | -67.18 | AVG | |
| 3 | * | 0.0792 | 30.68 | 18.13 | 48.81 | 109.63 | -60.82 | AVG | |

Test Mode: TX Mode (Adapter: Salcomp)

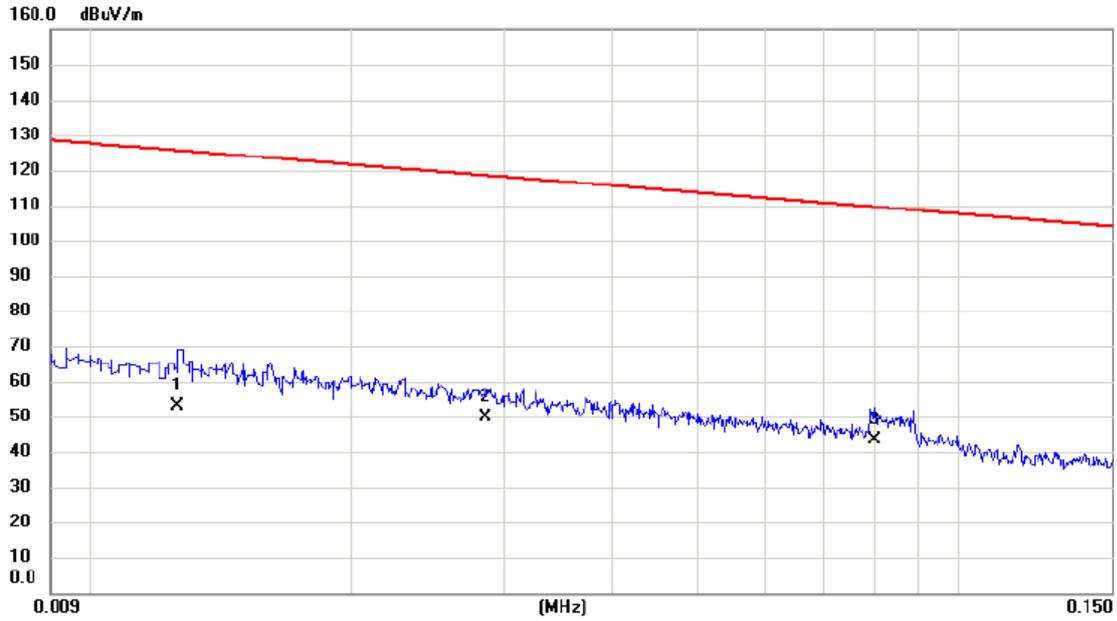
Ant 0°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1806 | 33.21 | 16.86 | 50.07 | 102.47 | -52.40 | AVG | |
| 2 | * | 2.2132 | 24.59 | 15.45 | 40.04 | 69.54 | -29.50 | QP | |
| 3 | | 4.2018 | 21.87 | 14.83 | 36.70 | 69.54 | -32.84 | QP | |

Test Mode: TX Mode (Adapter: Salcomp)

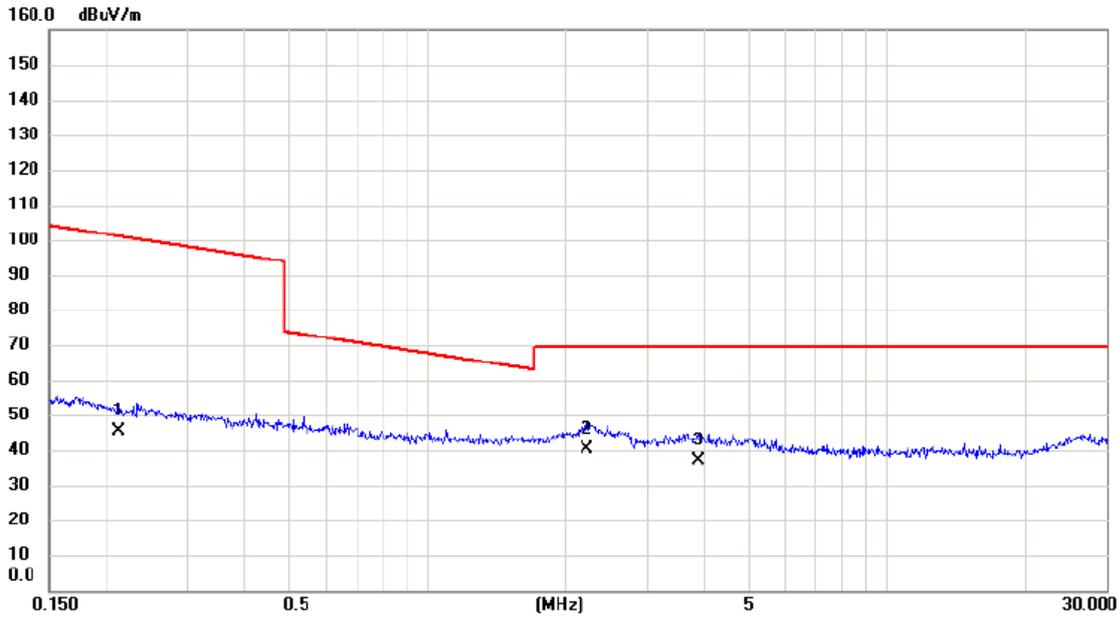
Ant 90°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.0126 | 32.40 | 20.58 | 52.98 | 125.60 | -72.62 | AVG | |
| 2 | | 0.0285 | 30.59 | 19.37 | 49.96 | 118.51 | -68.55 | AVG | |
| 3 | * | 0.0801 | 25.48 | 18.11 | 43.59 | 109.53 | -65.94 | AVG | |

Test Mode: TX Mode (Adapter: Salcomp)

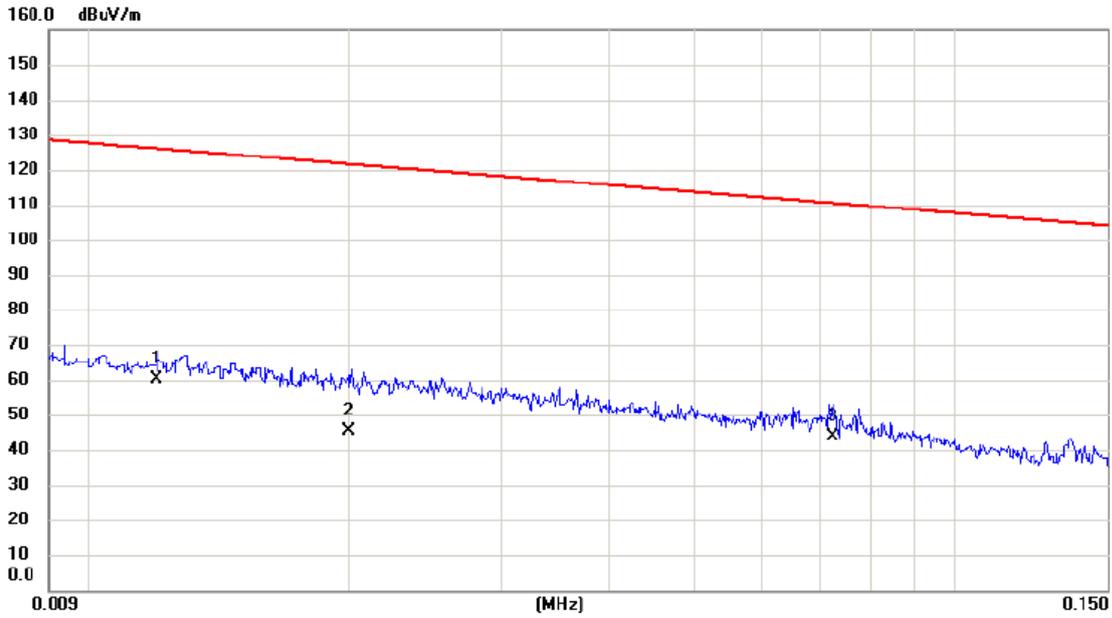
Ant 90°



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | | |
|-----|-----|--------|---------------|----------------|-------------|--------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 0.2128 | 28.49 | 16.76 | 45.25 | 101.05 | -55.80 | AVG | |
| 2 | * | 2.2132 | 24.73 | 15.45 | 40.18 | 69.54 | -29.36 | QP | |
| 3 | | 3.8808 | 21.89 | 14.99 | 36.88 | 69.54 | -32.66 | QP | |

Test Mode: TX Mode (Adapter: HUAWEI)

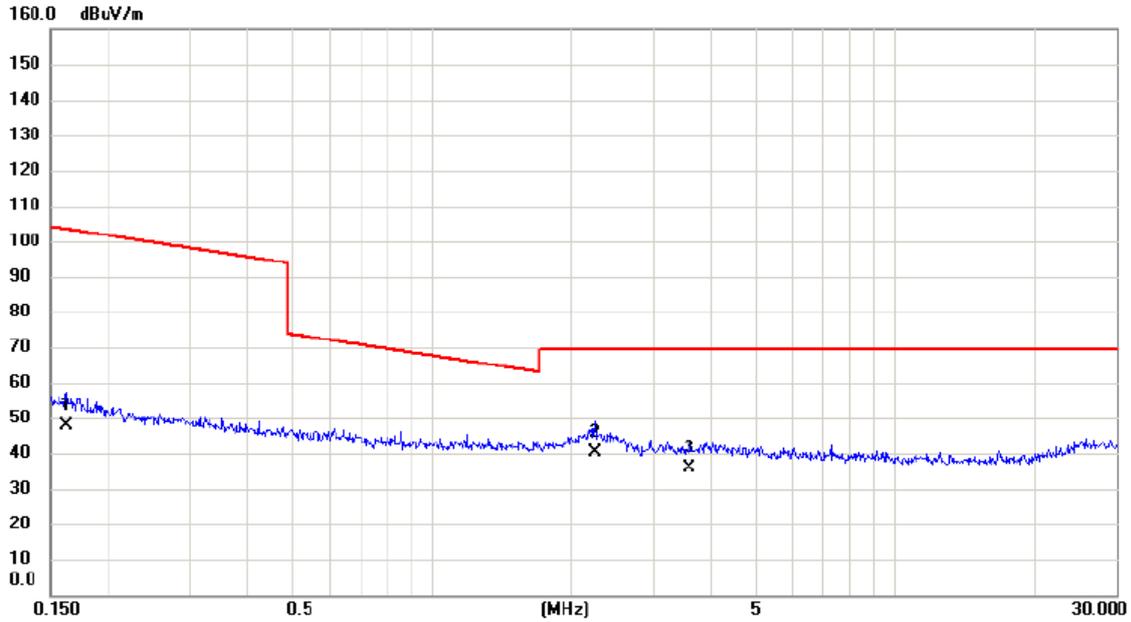
Ant 0°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 0.0120 | 39.48 | 20.66 | 60.14 | 126.02 | -65.88 | AVG | |
| 2 | | 0.0200 | 25.76 | 19.62 | 45.38 | 121.58 | -76.20 | AVG | |
| 3 | | 0.0724 | 25.63 | 18.28 | 43.91 | 110.41 | -66.50 | AVG | |

Test Mode: TX Mode (Adapter: HUAWEI)

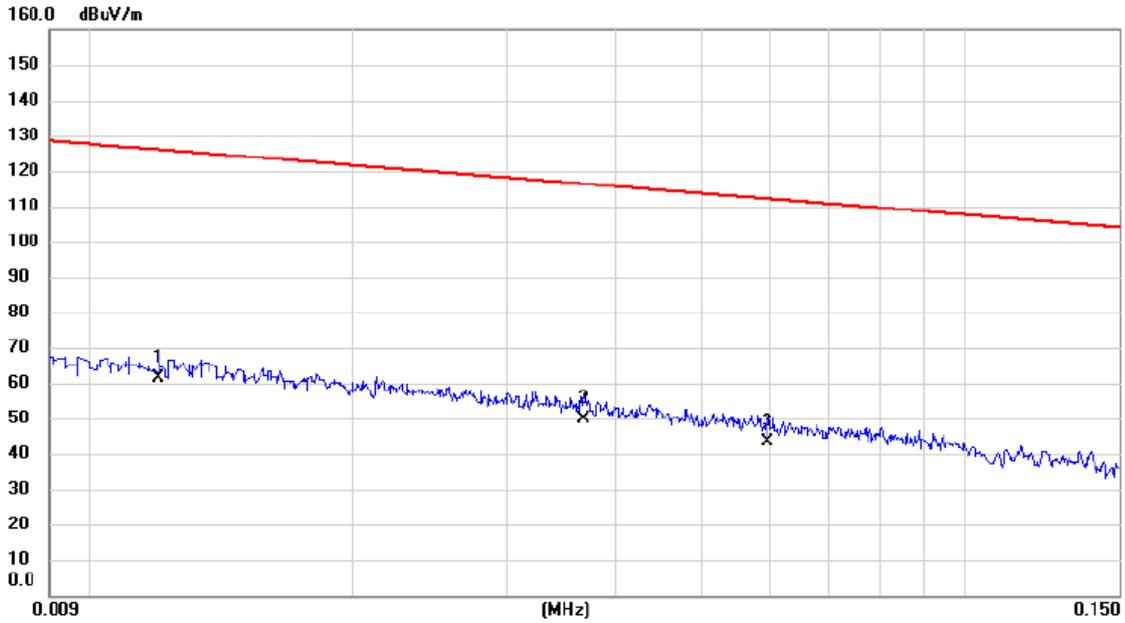
Ant 0°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.1624 | 30.85 | 16.91 | 47.76 | 103.40 | -55.64 | AVG | |
| 2 | * | 2.2486 | 24.69 | 15.44 | 40.13 | 69.54 | -29.41 | QP | |
| 3 | | 3.5843 | 20.57 | 15.06 | 35.63 | 69.54 | -33.91 | QP | |

Test Mode: TX Mode (Adapter: HUAWEI)

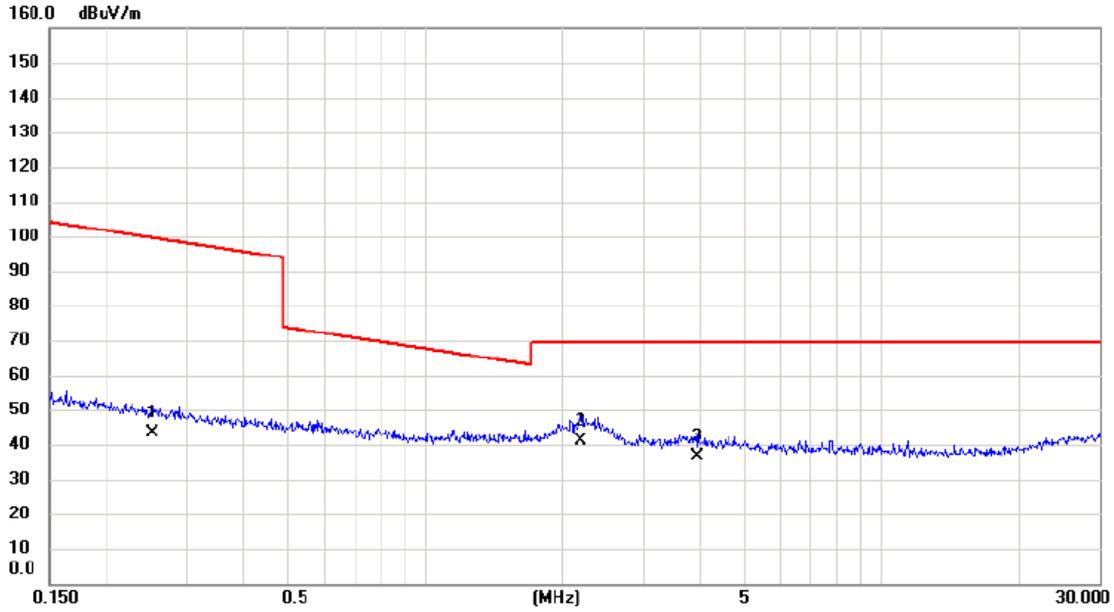
Ant 90°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | * | 0.0120 | 40.86 | 20.66 | 61.52 | 126.02 | -64.50 | AVG | |
| 2 | | 0.0367 | 30.64 | 19.12 | 49.76 | 116.31 | -66.55 | AVG | |
| 3 | | 0.0594 | 24.69 | 18.54 | 43.23 | 112.13 | -68.90 | AVG | |

Test Mode: TX Mode (Adapter: HUAWEI)

Ant 90°



| No. | Mk. | Freq. MHz | Reading Level dBuV | Correct Factor dB | Measure- ment dBuV/m | Limit dBuV/m | Margin dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|--------------|----------|---------|
| 1 | | 0.2521 | 26.59 | 16.66 | 43.25 | 99.57 | -56.32 | AVG | |
| 2 | * | 2.1898 | 25.74 | 15.45 | 41.19 | 69.54 | -28.35 | QP | |
| 3 | | 3.9430 | 21.63 | 14.97 | 36.60 | 69.54 | -32.94 | QP | |

Test Mode: LTE Band 26_TX CH26797_1.4M_Top Ant

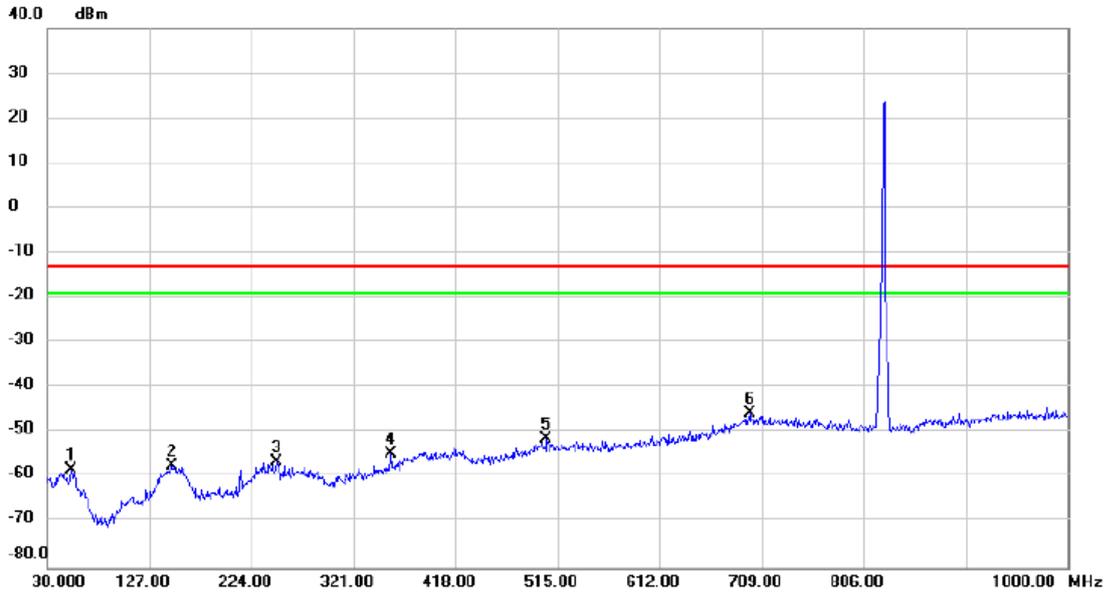
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 96.930 | -65.31 | 7.28 | -58.03 | -13.00 | -45.03 | peak | |
| 2 | | 155.130 | -71.13 | 13.17 | -57.96 | -13.00 | -44.96 | peak | |
| 3 | | 240.490 | -69.59 | 10.24 | -59.35 | -13.00 | -46.35 | peak | |
| 4 | | 400.540 | -69.42 | 14.12 | -55.30 | -13.00 | -42.30 | peak | |
| 5 | | 525.670 | -69.29 | 17.50 | -51.79 | -13.00 | -38.79 | peak | |
| 6 | * | 682.810 | -68.96 | 20.36 | -48.60 | -13.00 | -35.60 | peak | |

Test Mode: LTE Band 26_TX CH26797_1.4M_Top Ant

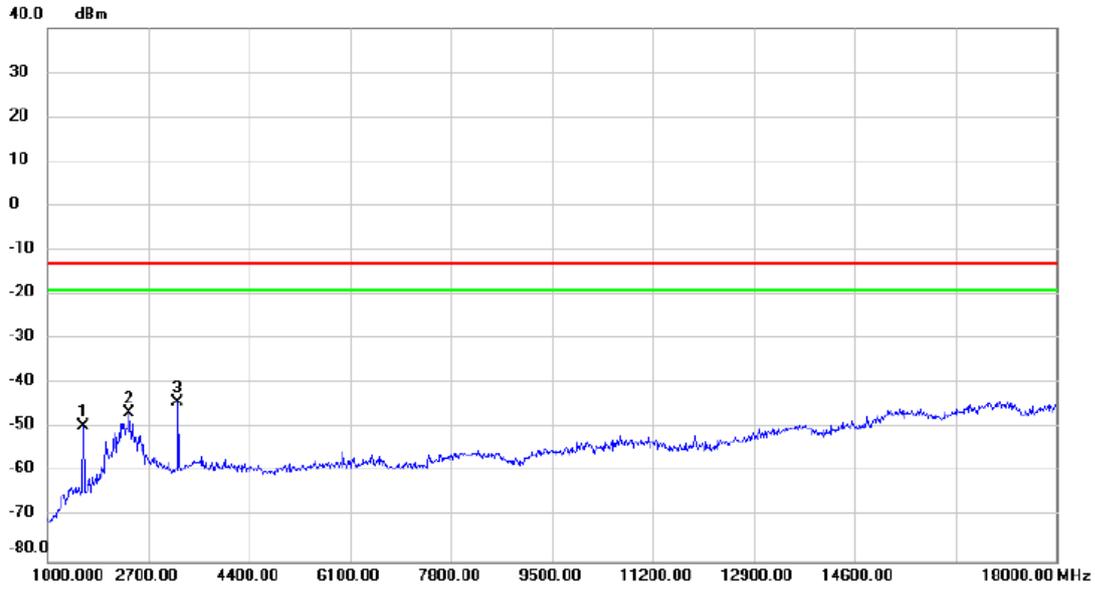
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 52.310 | -70.30 | 11.92 | -58.38 | -13.00 | -45.38 | peak | |
| 2 | | 148.340 | -71.34 | 14.06 | -57.28 | -13.00 | -44.28 | peak | |
| 3 | | 248.250 | -68.29 | 11.96 | -56.33 | -13.00 | -43.33 | peak | |
| 4 | | 356.890 | -68.31 | 13.53 | -54.78 | -13.00 | -41.78 | peak | |
| 5 | | 504.330 | -69.48 | 18.06 | -51.42 | -13.00 | -38.42 | peak | |
| 6 | * | 697.360 | -69.60 | 23.80 | -45.80 | -13.00 | -32.80 | peak | |

Test Mode: LTE Band 26_TX CH26797_1.4M_Top Ant

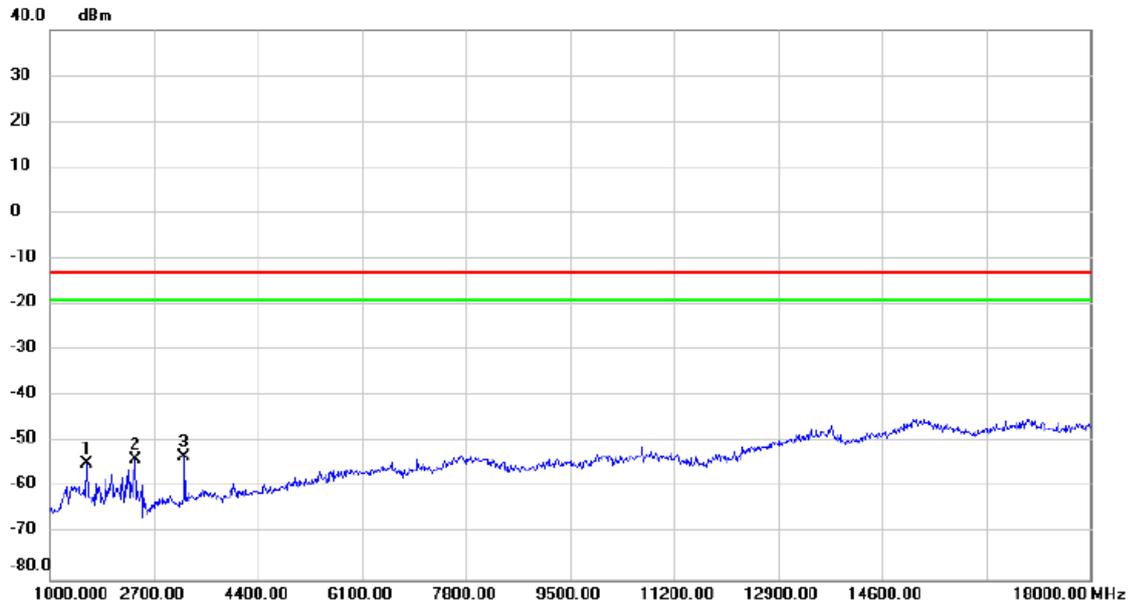
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 1595.000 | -55.03 | 5.43 | -49.60 | -13.00 | -36.60 | peak | |
| 2 | | 2377.000 | -58.33 | 11.89 | -46.44 | -13.00 | -33.44 | peak | |
| 3 | * | 3193.000 | -57.15 | 13.15 | -44.00 | -13.00 | -31.00 | peak | |

Test Mode: LTE Band 26_TX CH26797_1.4M_Top Ant

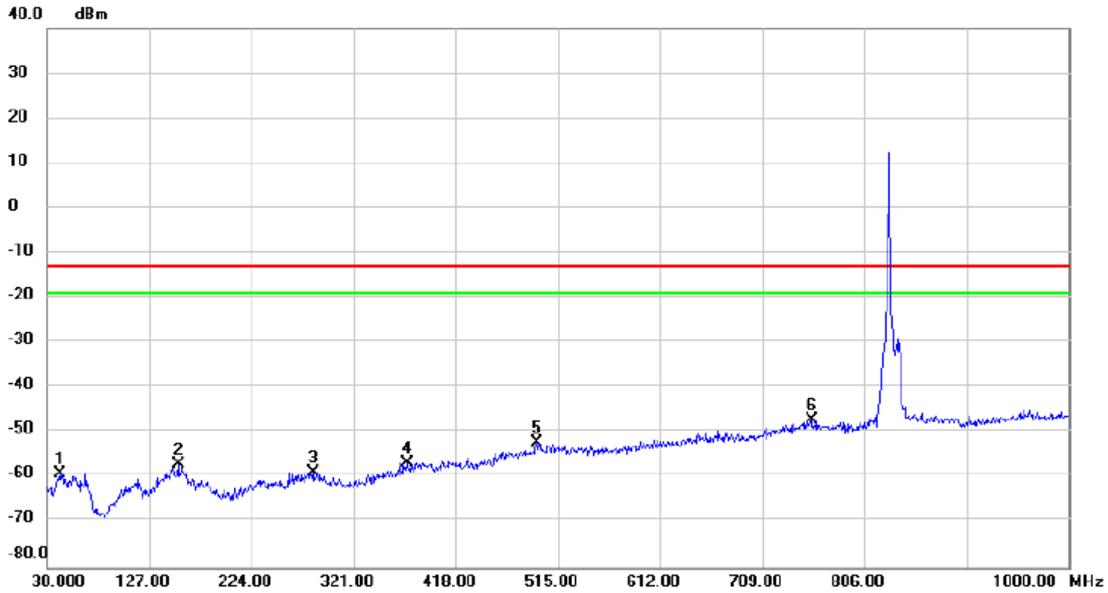
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 1595.000 | -62.65 | 8.13 | -54.52 | -13.00 | -41.52 | peak | |
| 2 | | 2394.000 | -59.55 | 5.87 | -53.68 | -13.00 | -40.68 | peak | |
| 3 | * | 3193.000 | -62.59 | 9.45 | -53.14 | -13.00 | -40.14 | peak | |

Test Mode: LTE Band 26_TX CH26865_15M_Top Ant

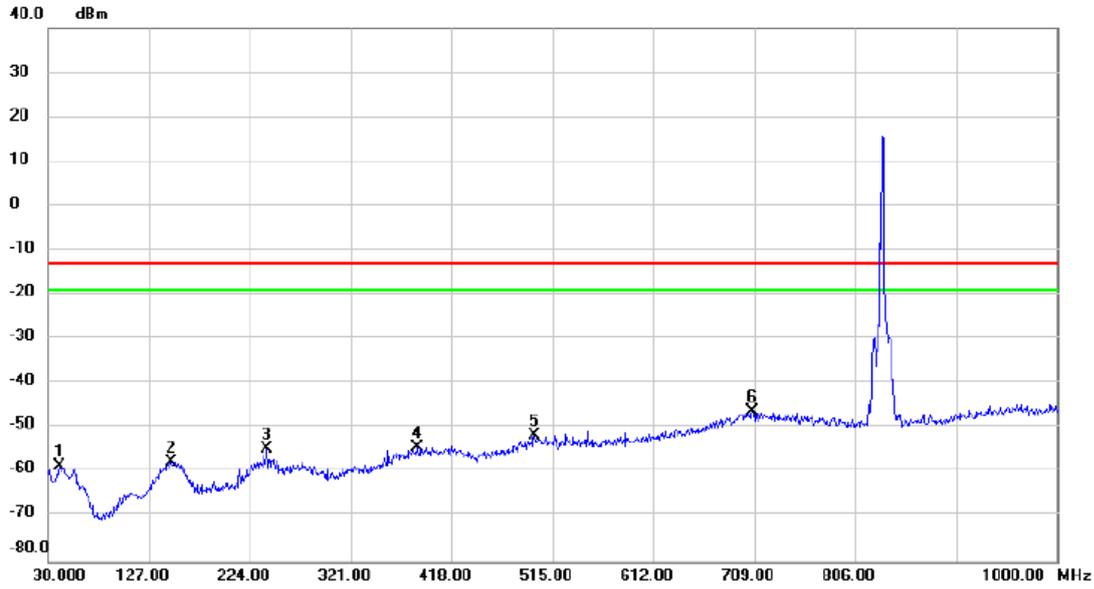
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 41.640 | -71.14 | 12.06 | -59.08 | -13.00 | -46.08 | peak | |
| 2 | | 154.160 | -70.30 | 13.16 | -57.14 | -13.00 | -44.14 | peak | |
| 3 | | 282.200 | -71.33 | 12.56 | -58.77 | -13.00 | -45.77 | peak | |
| 4 | | 371.440 | -70.17 | 13.40 | -56.77 | -13.00 | -43.77 | peak | |
| 5 | | 494.630 | -69.38 | 17.24 | -52.14 | -13.00 | -39.14 | peak | |
| 6 | * | 755.560 | -69.68 | 22.41 | -47.27 | -13.00 | -34.27 | peak | |

Test Mode: LTE Band 26_TX CH26865_15M_Top Ant

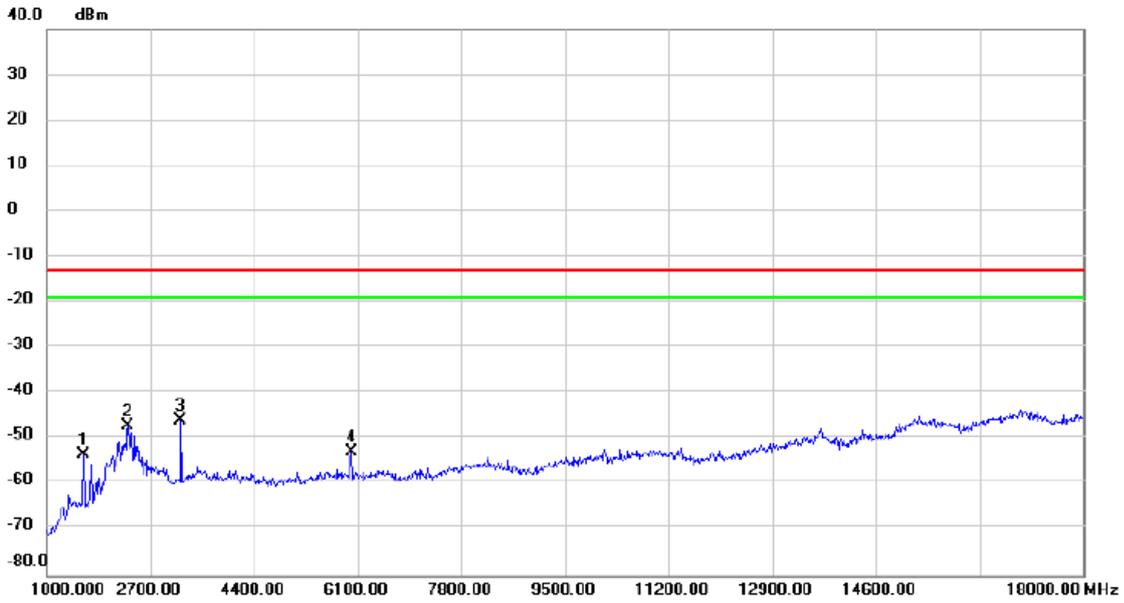
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 40.670 | -70.83 | 12.21 | -58.62 | -13.00 | -45.62 | peak | |
| 2 | | 148.340 | -71.58 | 14.06 | -57.52 | -13.00 | -44.52 | peak | |
| 3 | | 240.490 | -67.07 | 12.37 | -54.70 | -13.00 | -41.70 | peak | |
| 4 | | 385.020 | -70.32 | 16.04 | -54.28 | -13.00 | -41.28 | peak | |
| 5 | | 497.540 | -69.42 | 17.88 | -51.54 | -13.00 | -38.54 | peak | |
| 6 | * | 707.060 | -69.92 | 23.81 | -46.11 | -13.00 | -33.11 | peak | |

Test Mode: LTE Band 26_TX CH26865_15M_Top Ant

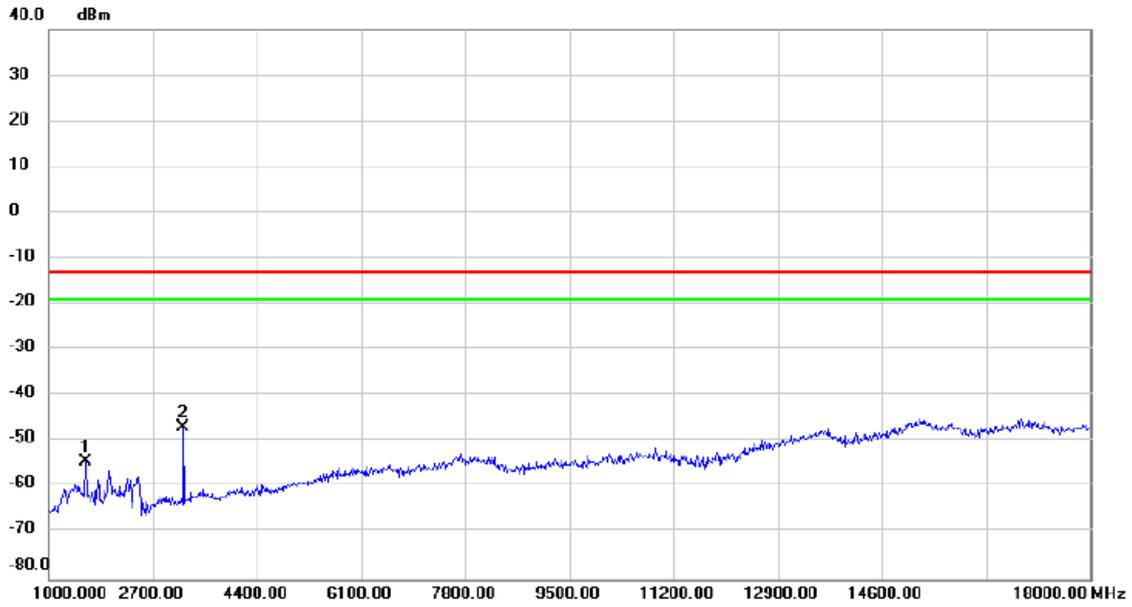
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 1595.000 | -58.86 | 5.43 | -53.43 | -13.00 | -40.43 | peak | |
| 2 | | 2326.000 | -58.89 | 11.77 | -47.12 | -13.00 | -34.12 | peak | |
| 3 | * | 3193.000 | -59.20 | 13.15 | -46.05 | -13.00 | -33.05 | peak | |
| 4 | | 5998.000 | -69.67 | 16.92 | -52.75 | -13.00 | -39.75 | peak | |

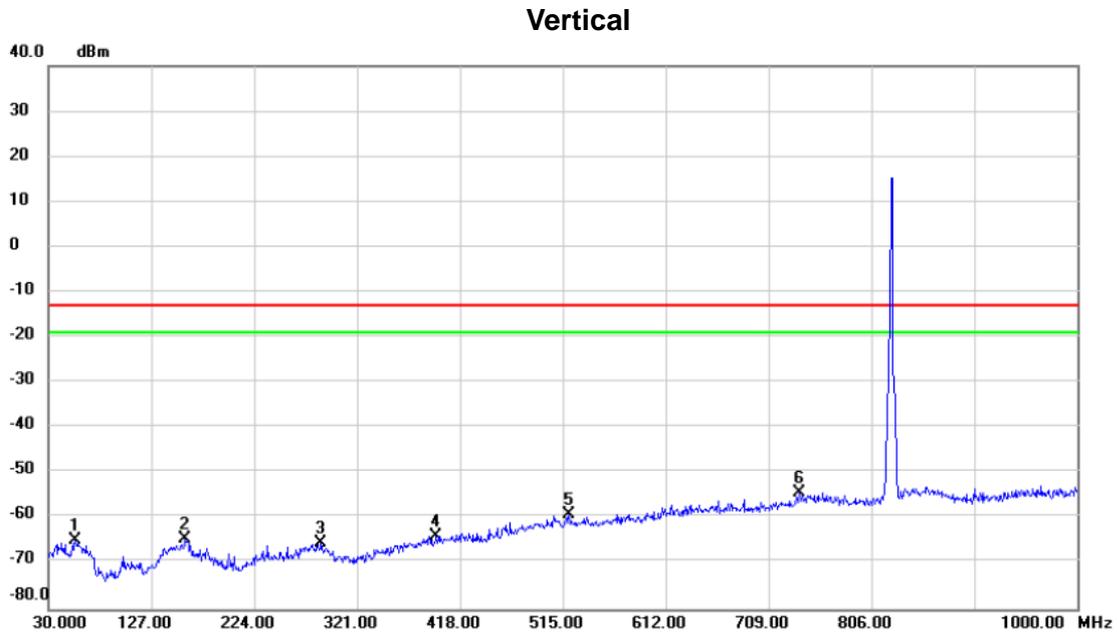
Test Mode: LTE Band 26_TX CH26865_15M_Top Ant

Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 1595.000 | -62.36 | 8.13 | -54.23 | -13.00 | -41.23 | peak | |
| 2 | * | 3193.000 | -56.43 | 9.45 | -46.98 | -13.00 | -33.98 | peak | |

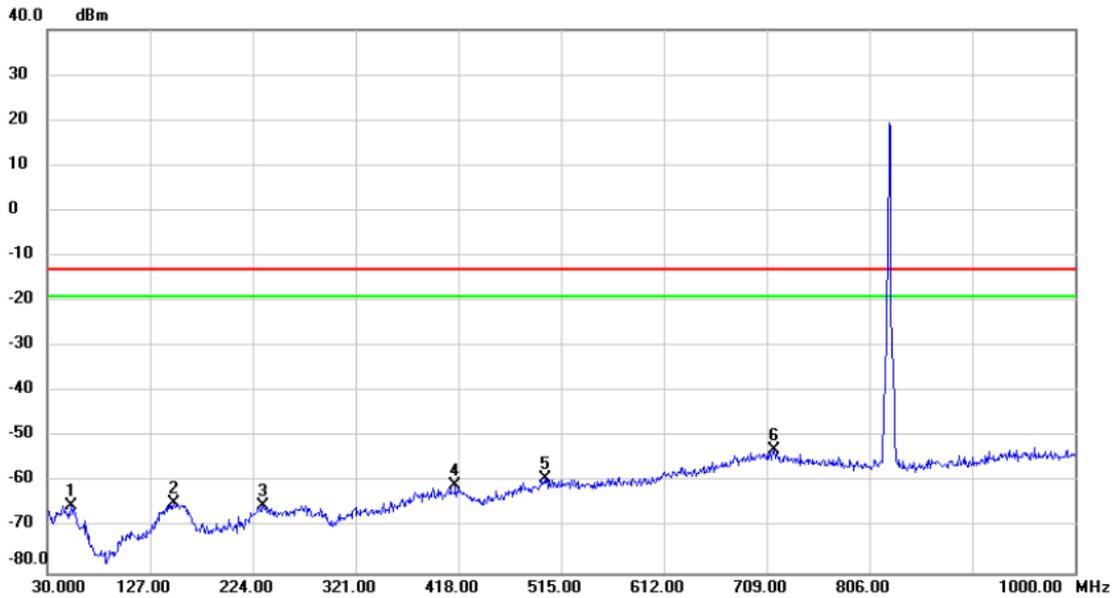
Test Mode: LTE Band 26_TX CH26797_1.4M_Bottom Ant



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 55.220 | -77.51 | 12.61 | -64.90 | -13.00 | -51.90 | peak | |
| 2 | | 159.010 | -77.81 | 13.18 | -64.63 | -13.00 | -51.63 | peak | |
| 3 | | 287.050 | -77.70 | 12.35 | -65.35 | -13.00 | -52.35 | peak | |
| 4 | | 395.690 | -77.89 | 14.05 | -63.84 | -13.00 | -50.84 | peak | |
| 5 | | 520.820 | -76.60 | 17.51 | -59.09 | -13.00 | -46.09 | peak | |
| 6 | * | 738.100 | -76.36 | 22.00 | -54.36 | -13.00 | -41.36 | peak | |

Test Mode: LTE Band 26_TX CH26797_1.4M_Bottom Ant

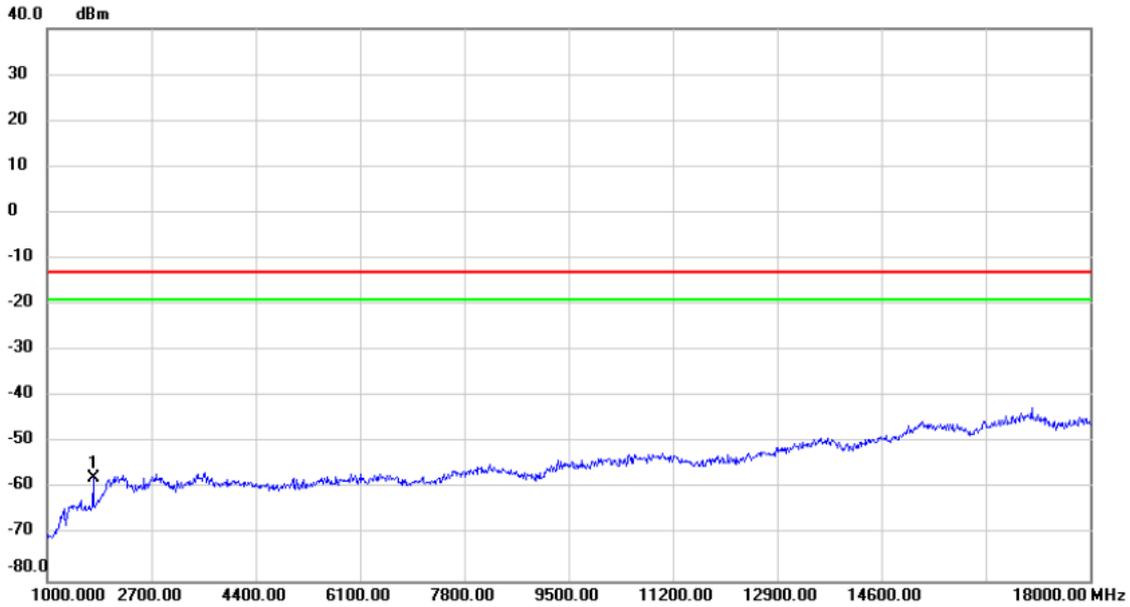
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | | 52.310 | -77.14 | 11.92 | -65.22 | -13.00 | -52.22 | peak | |
| 2 | | 149.310 | -78.68 | 14.16 | -64.52 | -13.00 | -51.52 | peak | |
| 3 | | 233.700 | -78.00 | 12.94 | -65.06 | -13.00 | -52.06 | peak | |
| 4 | | 415.090 | -77.34 | 16.63 | -60.71 | -13.00 | -47.71 | peak | |
| 5 | | 499.480 | -77.23 | 18.02 | -59.21 | -13.00 | -46.21 | peak | |
| 6 * | | 715.790 | -76.37 | 23.60 | -52.77 | -13.00 | -39.77 | peak | |

Test Mode: LTE Band 26_TX CH26797_1.4M_Bottom Ant

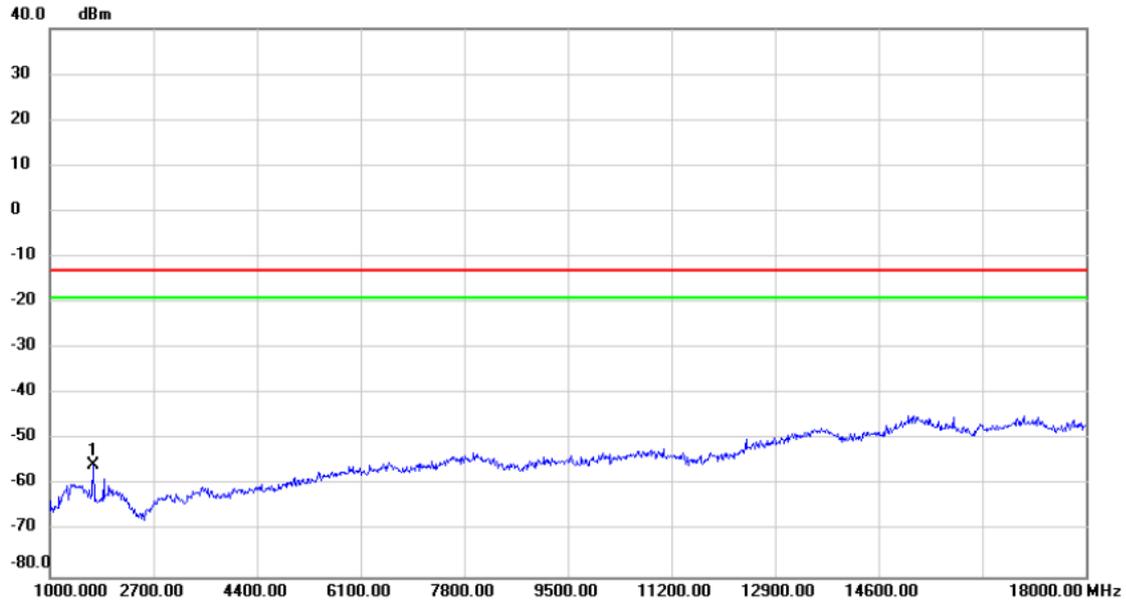
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | * | 1748.000 | -65.10 | 7.52 | -57.58 | -13.00 | -44.58 | peak | |

Test Mode: LTE Band 26_TX CH26797_1.4M_Bottom Ant

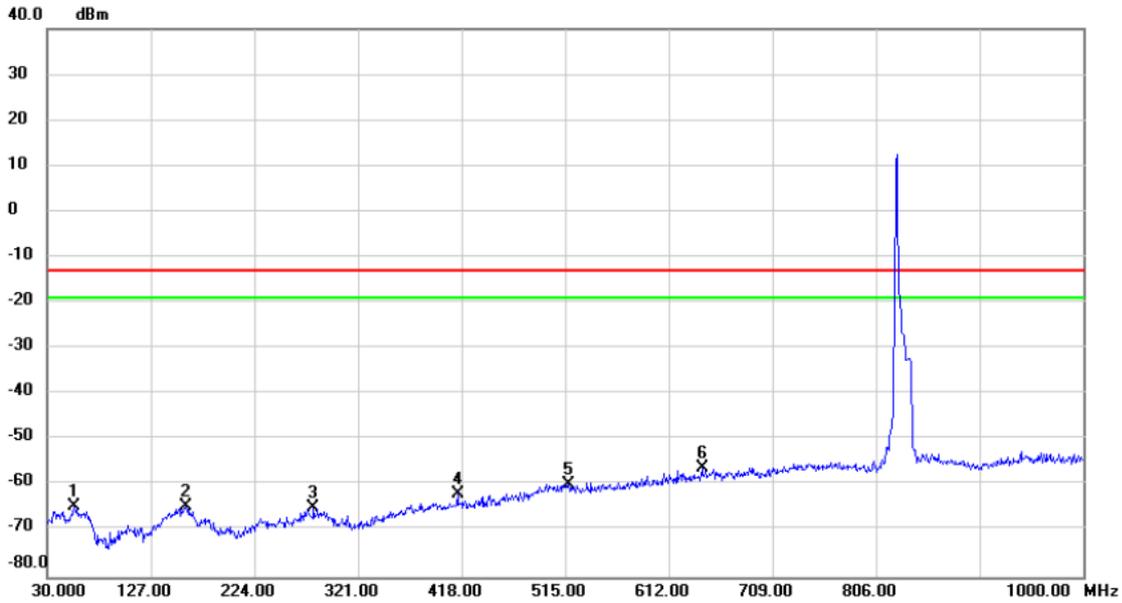
Horizontal



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | * | 1714.000 | -63.65 | 8.18 | -55.47 | -13.00 | -42.47 | peak | |

Test Mode: LTE Band 26_TX CH26865_15M_Bottom Ant

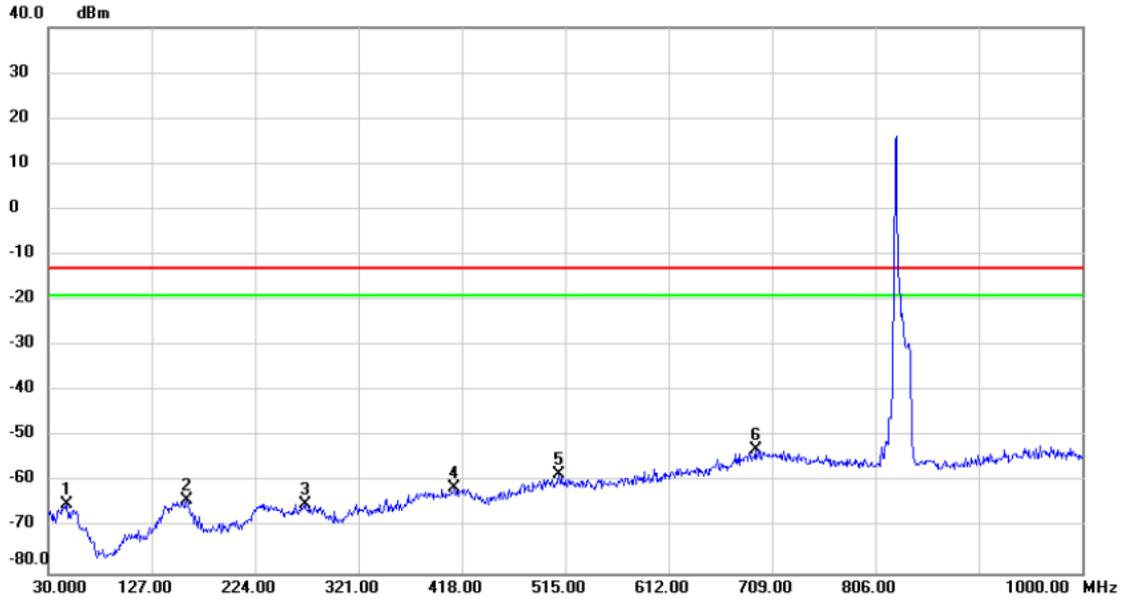
Vertical



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 | 55.220 | -77.23 | 12.61 | -64.62 | -13.00 | -51.62 | peak | |
| 2 | 159.980 | -77.59 | 13.18 | -64.41 | -13.00 | -51.41 | peak | |
| 3 | 279.290 | -77.51 | 12.62 | -64.89 | -13.00 | -51.89 | peak | |
| 4 | 414.120 | -76.38 | 14.49 | -61.89 | -13.00 | -48.89 | peak | |
| 5 | 517.910 | -77.17 | 17.51 | -59.66 | -13.00 | -46.66 | peak | |
| 6 * | 643.040 | -75.96 | 19.92 | -56.04 | -13.00 | -43.04 | peak | |

Test Mode: LTE Band 26_TX CH26865_15M_Bottom Ant

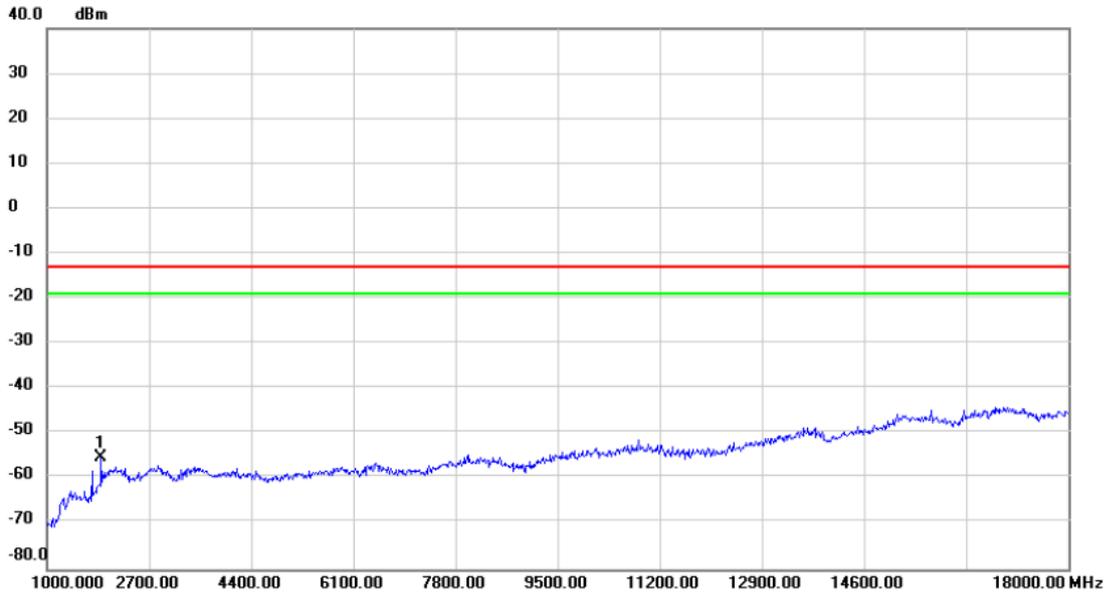
Horizontal



| No. Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measurement dBm | Limit dBm | Margin dB | Detector | Comment |
|---------|-----------|-------------------|-------------------|-----------------|-----------|-----------|----------|---------|
| 1 | 47.460 | -77.11 | 12.17 | -64.94 | -13.00 | -51.94 | peak | |
| 2 | 159.980 | -76.84 | 12.75 | -64.09 | -13.00 | -51.09 | peak | |
| 3 | 270.560 | -77.86 | 12.99 | -64.87 | -13.00 | -51.87 | peak | |
| 4 | 411.210 | -77.72 | 16.44 | -61.28 | -13.00 | -48.28 | peak | |
| 5 | 509.180 | -76.20 | 18.07 | -58.13 | -13.00 | -45.13 | peak | |
| 6 * | 693.480 | -76.53 | 23.54 | -52.99 | -13.00 | -39.99 | peak | |

Test Mode: LTE Band 26_TX CH26865_15M_Bottom Ant

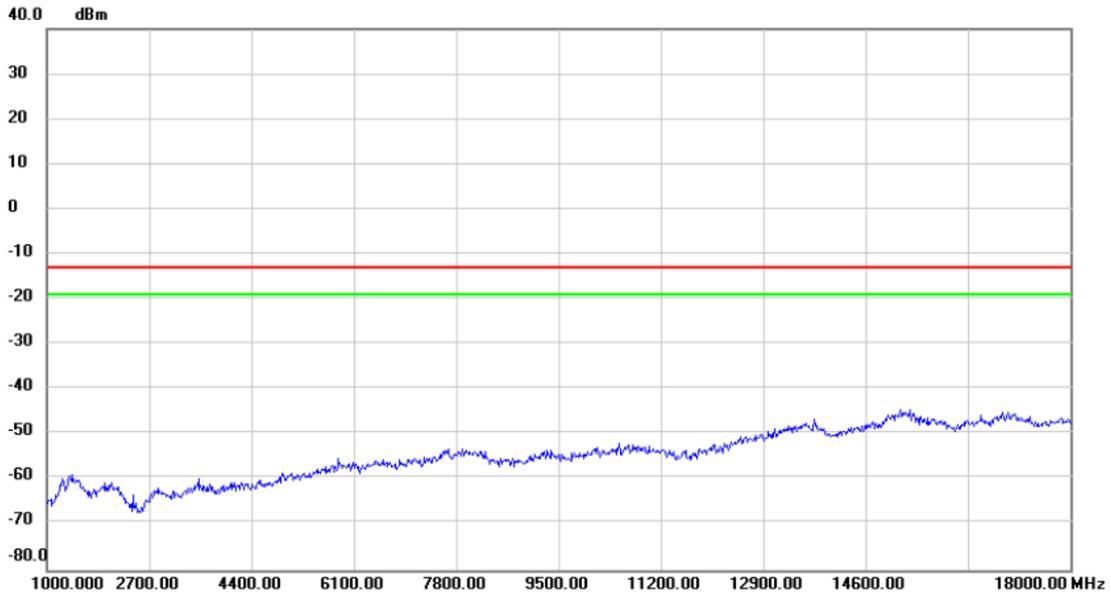
Vertical



| No. | Mk. | Freq. MHz | Reading Level dBm | Correct Factor dB | Measure- ment dBm | Limit dBm | Margin dB | Detector | Comment |
|-----|-----|--------------|-------------------------|-------------------------|-------------------------|--------------|--------------|----------|---------|
| 1 | * | 1901.000 | -64.91 | 9.61 | -55.30 | -13.00 | -42.30 | peak | |

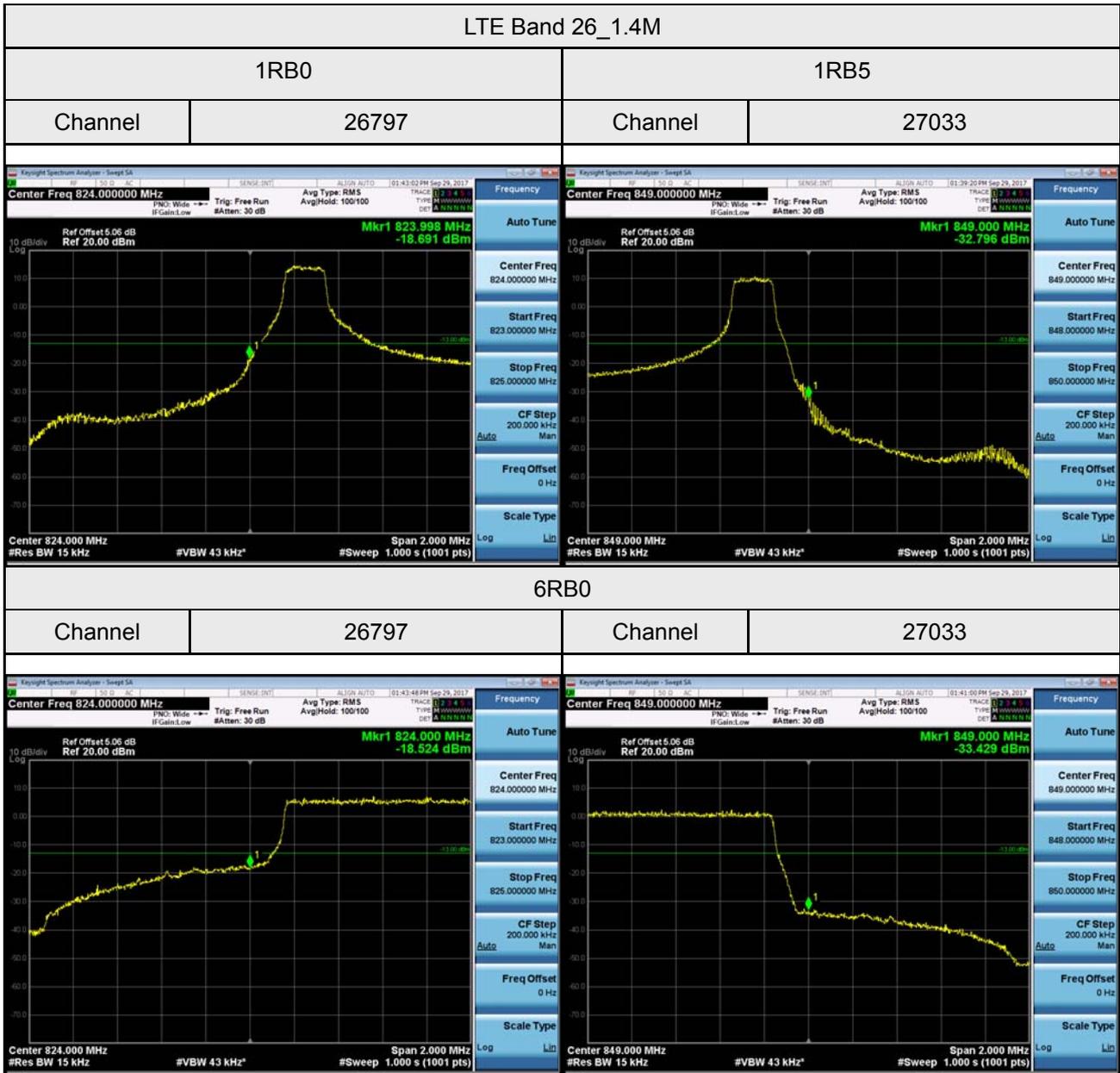
Test Mode: LTE Band 26_TX CH26865_15M_Bottom Ant

Horizontal

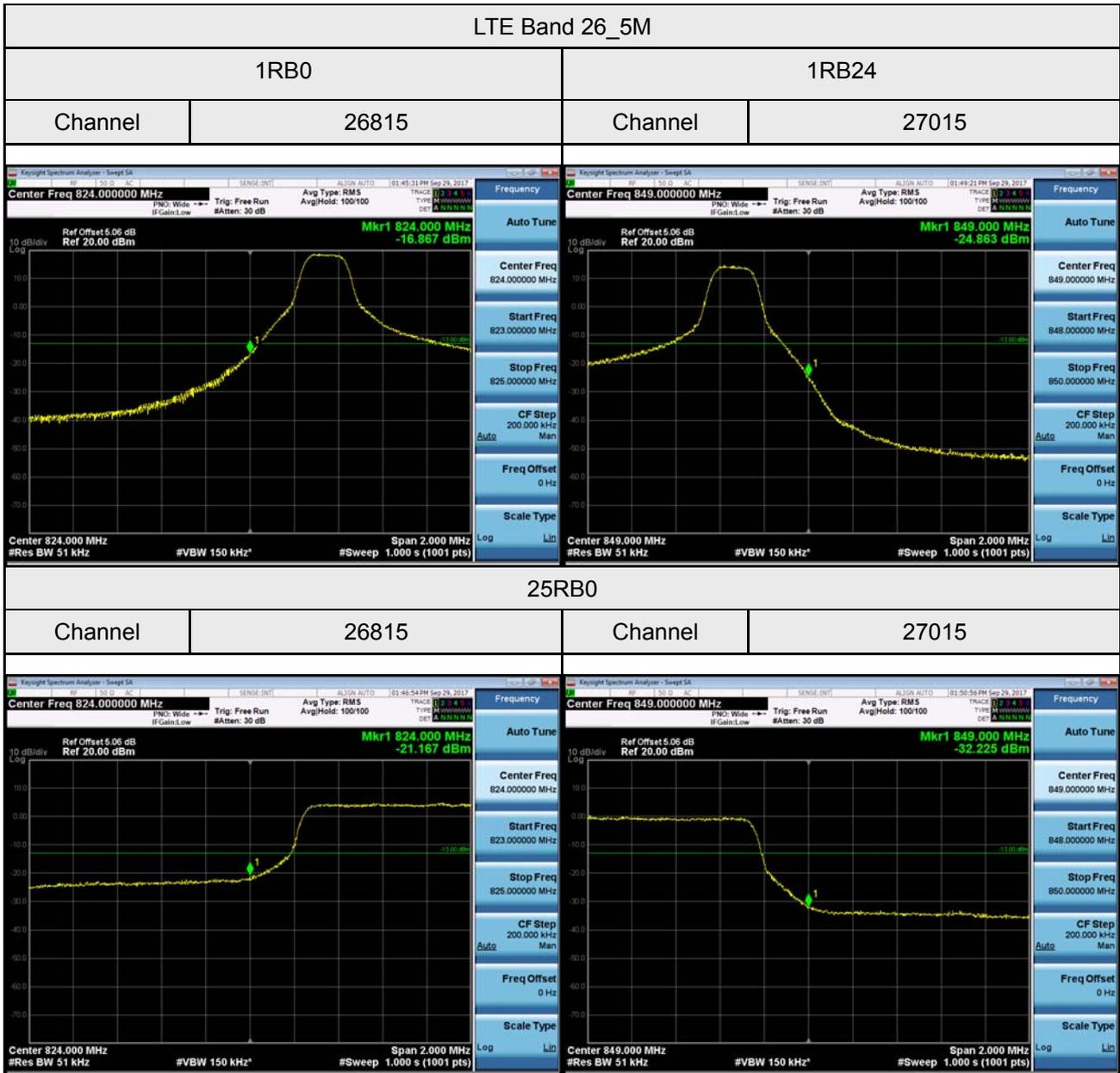


| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Margin | Detector | Comment |
|-----|-----|-------|---------------|----------------|-------------|-------|--------|----------|---------|
| | | MHz | dBm | dB | dBm | dBm | dB | | |

APPENDIX E - BAND EDGE







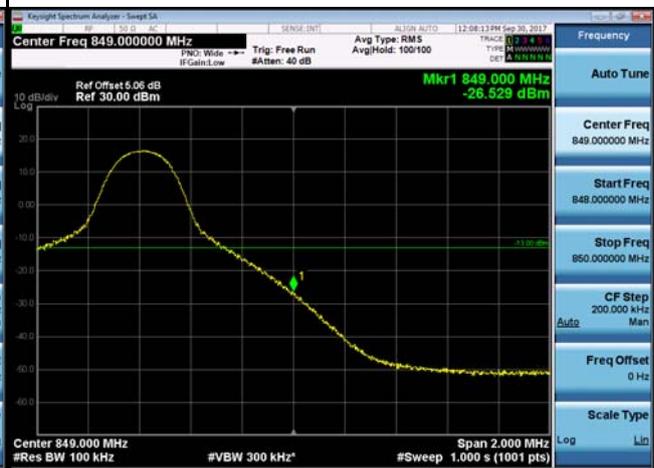
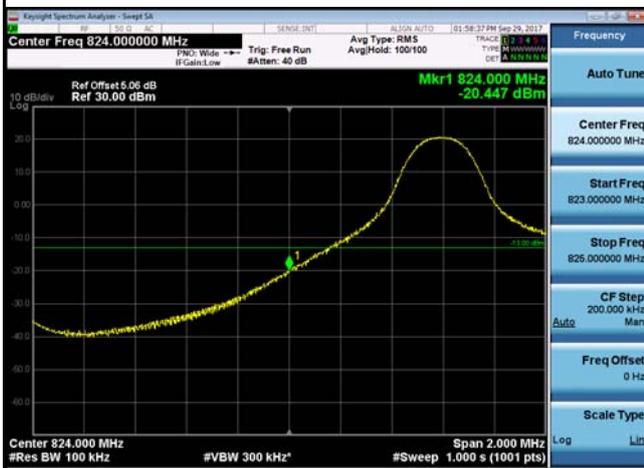
LTE Band 26_10M

1RB0

1RB49

Channel 26840

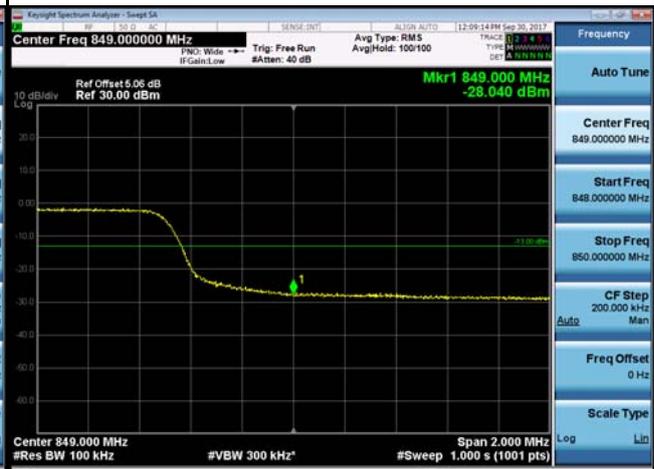
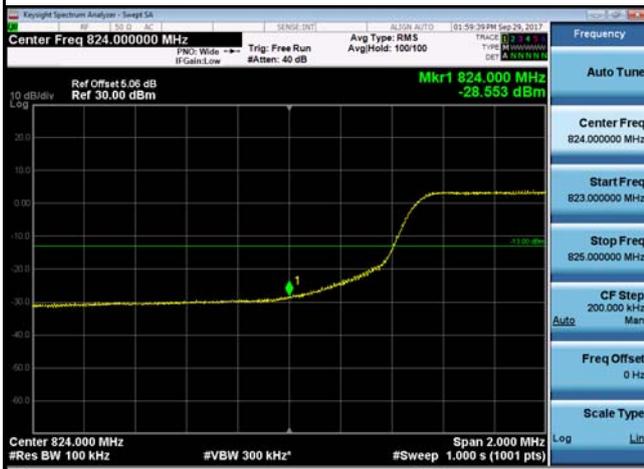
Channel 26990

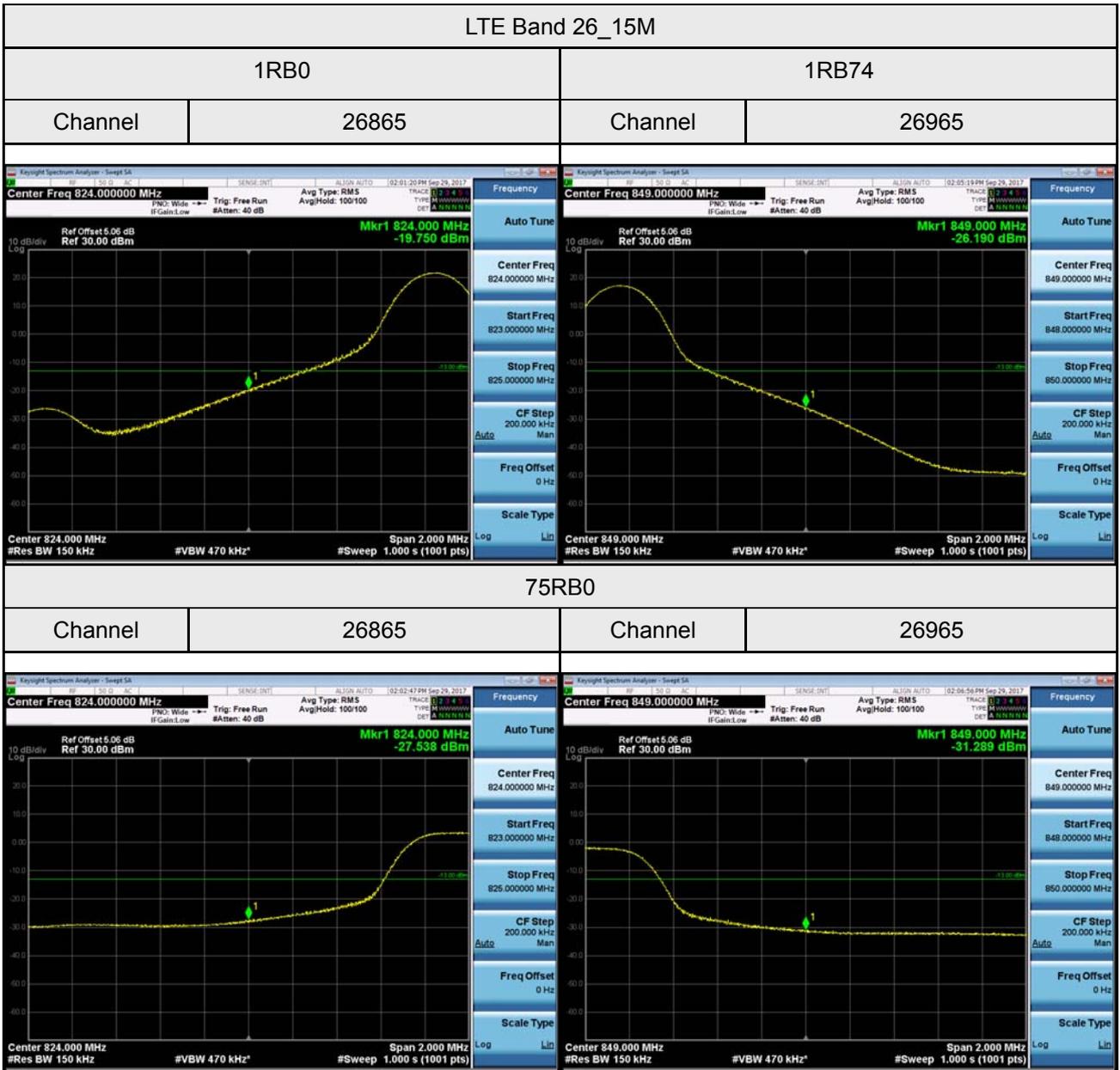


50RB0

Channel 26840

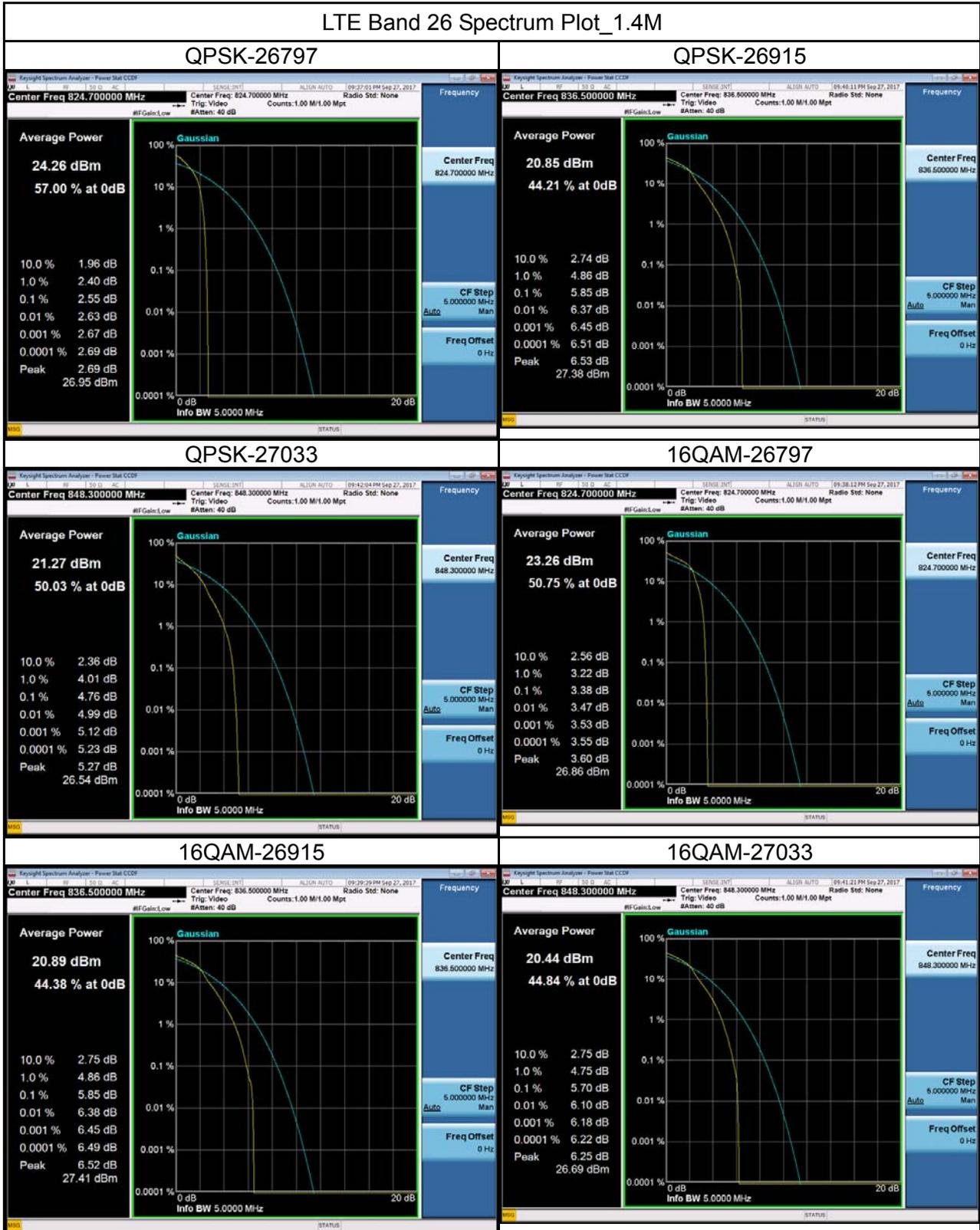
Channel 26990



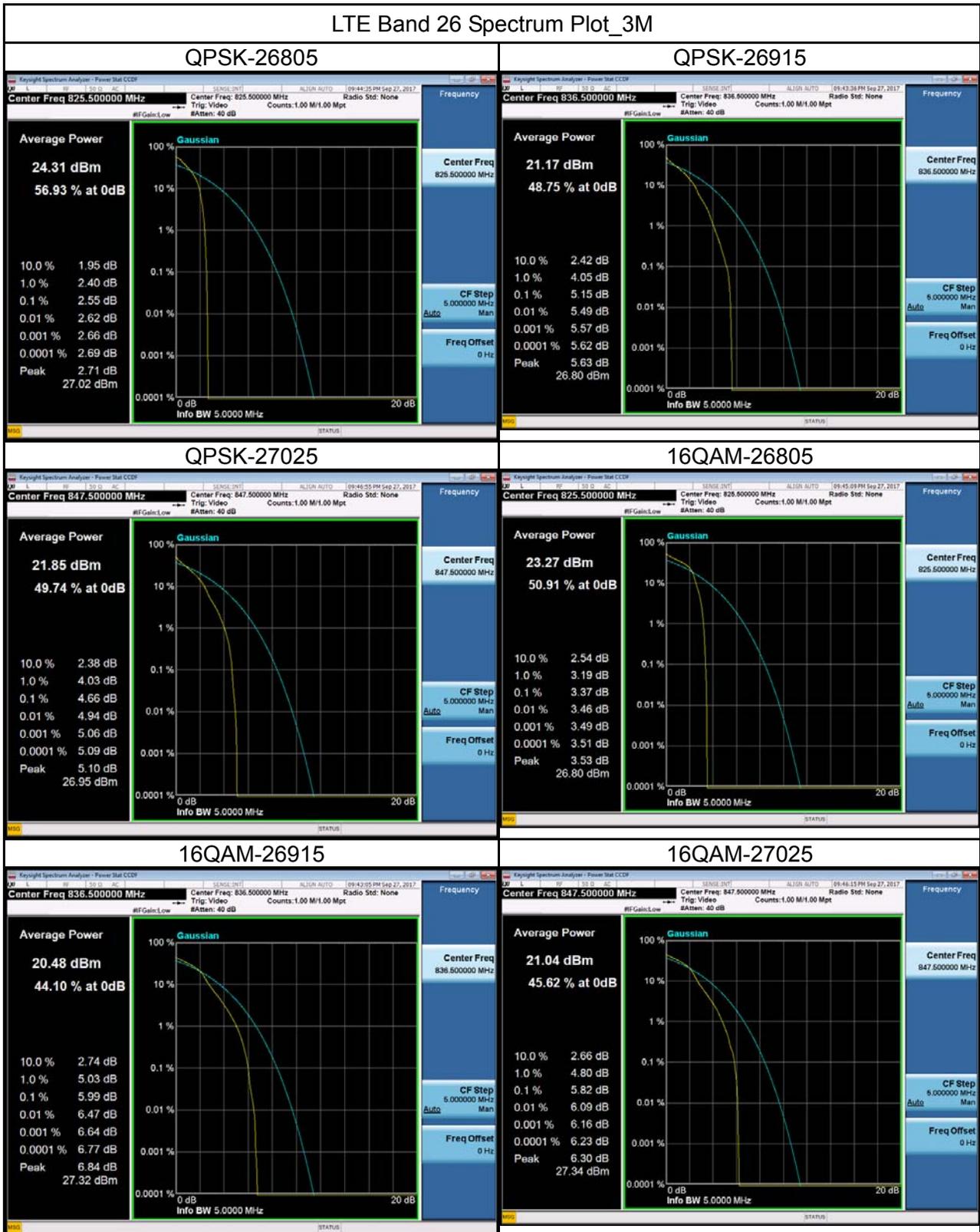


APPENDIX F - PEAK TO AVERAGE RATIO

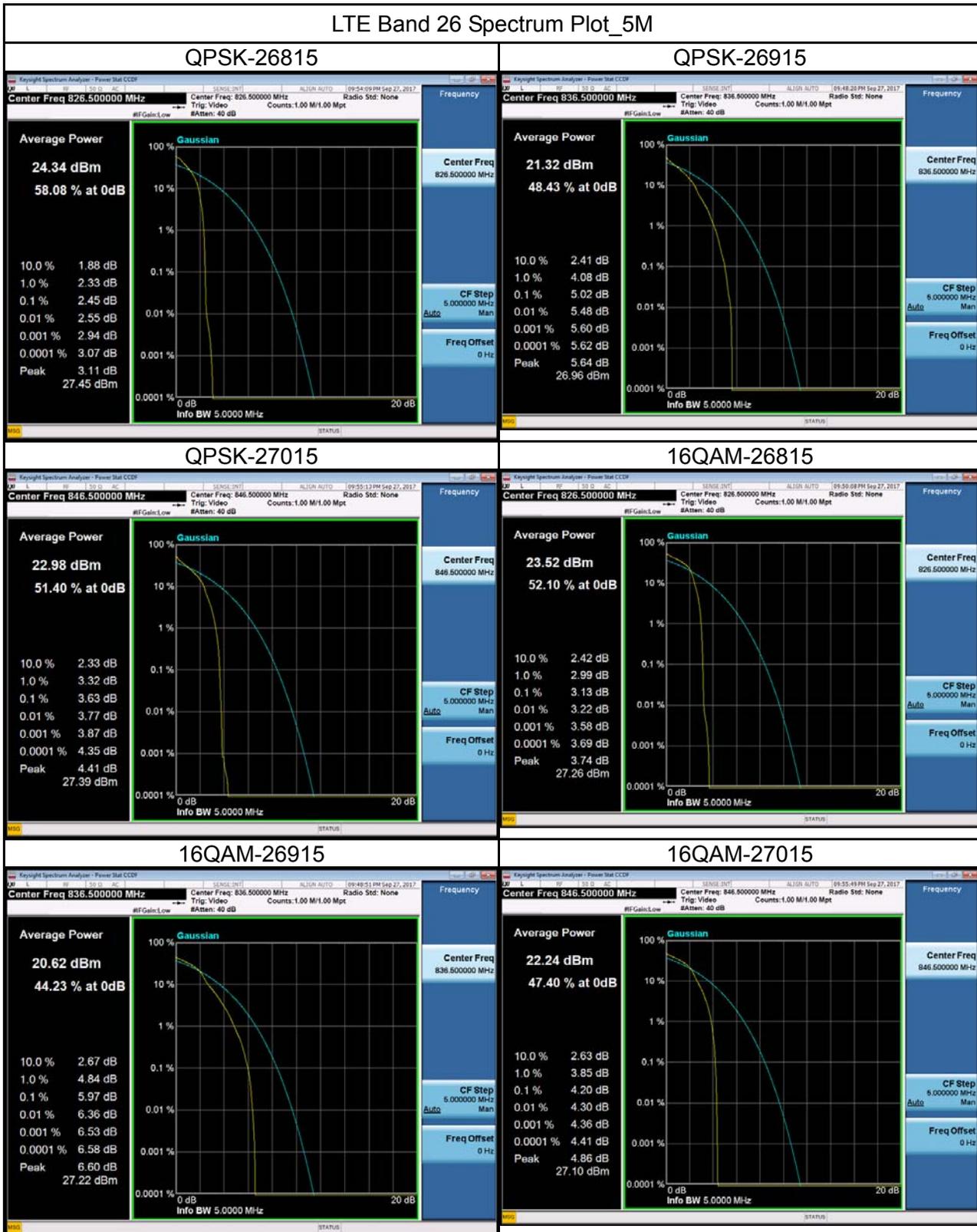
LTE Band 26 Spectrum Plot_1.4M



LTE Band 26 Spectrum Plot_3M



LTE Band 26 Spectrum Plot_5M

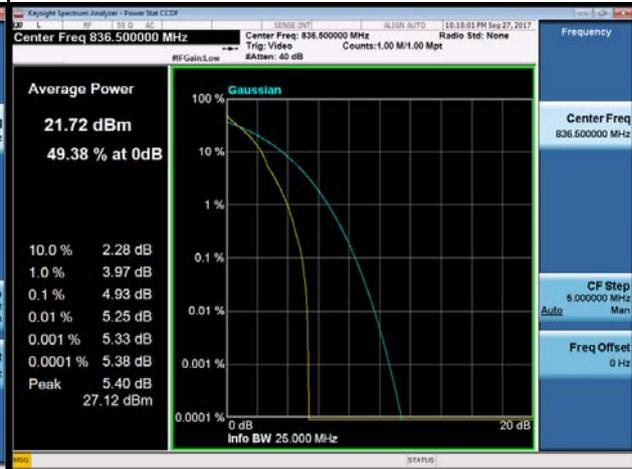


LTE Band 26 Spectrum Plot_10M

QPSK-26840



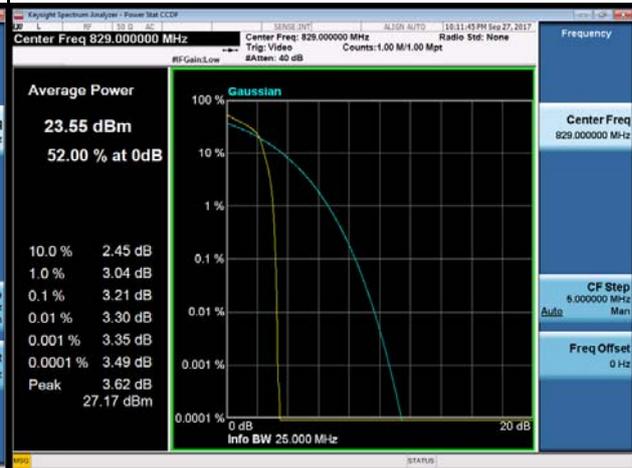
QPSK-26915



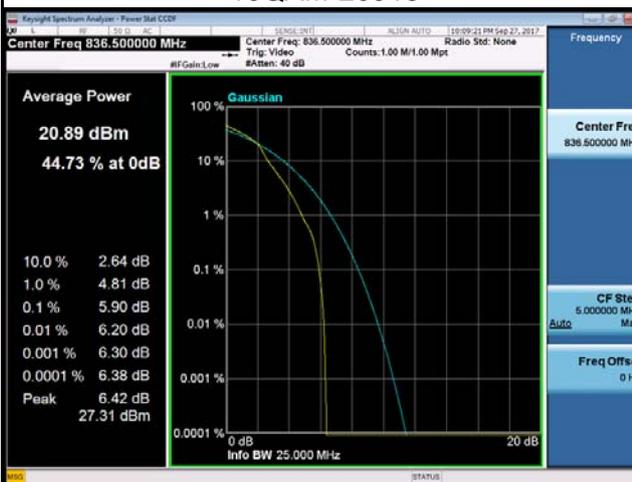
QPSK-26990



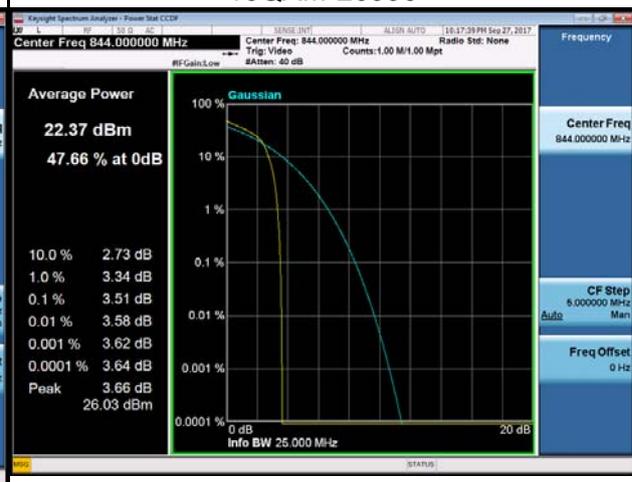
16QAM-26840



16QAM-26915



16QAM-26990

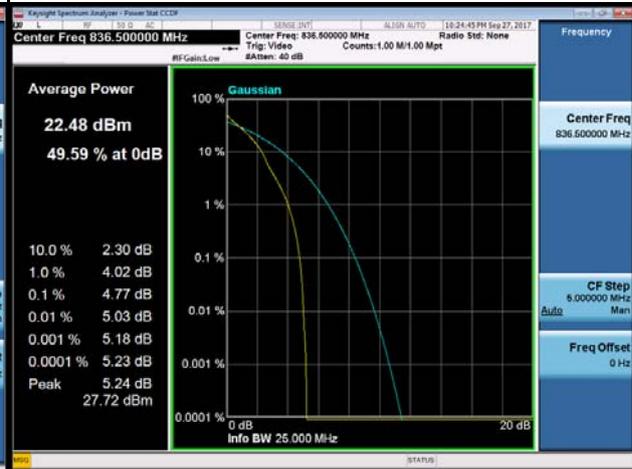


LTE Band 26 Spectrum Plot_15M

QPSK-26865



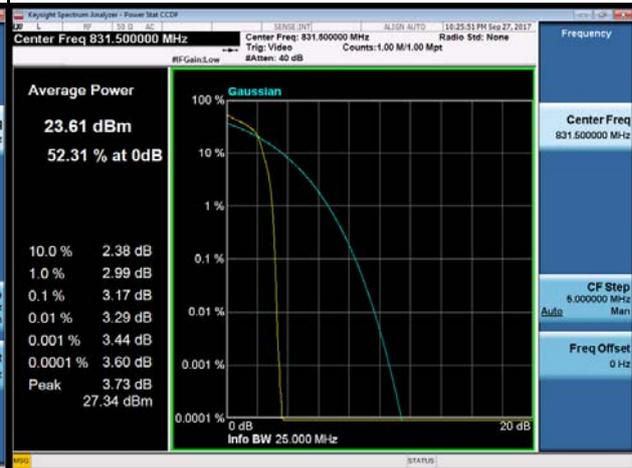
QPSK-26915



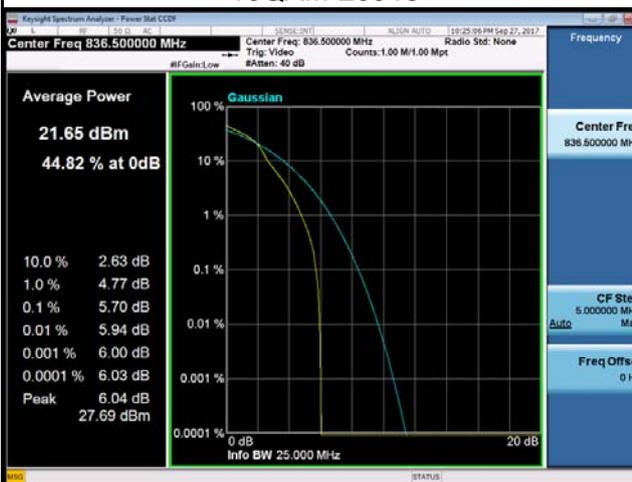
QPSK-26965



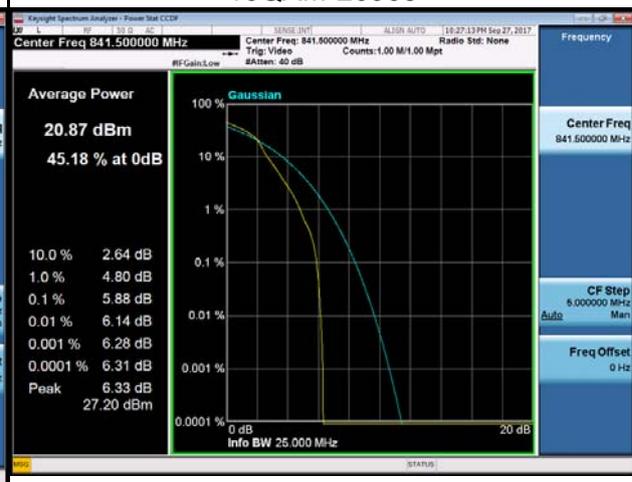
16QAM-26865



16QAM-26915



16QAM-26965



APPENDIX G - FREQUENCY STABILITY

| | |
|------------|--------------------------|
| Test Mode: | LTE Band 26_CH26915_1.4M |
|------------|--------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30 | 4.23 | 0.005056784 | 2.5 |
| -20 | 3.37 | 0.004028691 | 2.5 |
| -10 | -1.88 | 0.00224746 | 2.5 |
| 0 | -2.04 | 0.002438733 | 2.5 |
| 10 | 3.61 | 0.004315601 | 2.5 |
| 20 | -2.15 | 0.002570233 | 2.5 |
| 30 | -3.30 | 0.003945009 | 2.5 |
| 40 | 2.64 | 0.003156007 | 2.5 |
| 50 | 1.94 | 0.002319187 | 2.5 |
| Max. Deviation (ppm) | 4.23 | 0.005056784 | 2.5 |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.50 | 2.23 | 0.00266587 | 2.5 |
| 3.82 | 1.88 | 0.00224746 | 2.5 |
| 4.35 | 3.06 | 0.003658099 | 2.5 |
| Max. Deviation (ppm) | 3.06 | 0.003658099 | 2.5 |

| | |
|------------|------------------------|
| Test Mode: | LTE Band 26_CH26915_3M |
|------------|------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30 | -1.74 | 0.002080096 | 2.5 |
| -20 | 2.03 | 0.002426778 | 2.5 |
| -10 | -3.52 | 0.00420801 | 2.5 |
| 0 | 1.81 | 0.002163778 | 2.5 |
| 10 | -4.02 | 0.004805738 | 2.5 |
| 20 | 3.31 | 0.003956964 | 2.5 |
| 30 | 3.58 | 0.004279737 | 2.5 |
| 40 | 3.74 | 0.00447101 | 2.5 |
| 50 | 2.66 | 0.003179916 | 2.5 |
| Max. Deviation (ppm) | 4.02 | 0.004805738 | 2.5 |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.50 | 2.14 | 0.002558279 | 2.5 |
| 3.82 | -3.05 | 0.003646145 | 2.5 |
| 4.35 | -2.67 | 0.003191871 | 2.5 |
| Max. Deviation (ppm) | 3.05 | 0.003646145 | 2.5 |

| | |
|------------|------------------------|
| Test Mode: | LTE Band 26_CH26915_5M |
|------------|------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30 | 2.21 | 0.002641961 | 2.5 |
| -20 | 2.63 | 0.003144053 | 2.5 |
| -10 | -3.04 | 0.00363419 | 2.5 |
| 0 | 1.62 | 0.001936641 | 2.5 |
| 10 | 2.47 | 0.002952779 | 2.5 |
| 20 | -3.16 | 0.003777645 | 2.5 |
| 30 | 3.08 | 0.003682008 | 2.5 |
| 40 | -1.99 | 0.00237896 | 2.5 |
| 50 | 2.85 | 0.003407053 | 2.5 |
| Max. Deviation (ppm) | 3.16 | 0.003777645 | 2.5 |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.50 | 3.42 | 0.004088464 | 2.5 |
| 3.82 | 1.98 | 0.002367005 | 2.5 |
| 4.35 | -2.04 | 0.002438733 | 2.5 |
| Max. Deviation (ppm) | 3.42 | 0.004088464 | 2.5 |

| | |
|------------|-------------------------|
| Test Mode: | LTE Band 26_CH26915_10M |
|------------|-------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30 | -4.11 | 0.004913329 | 2.5 |
| -20 | 3.64 | 0.004351464 | 2.5 |
| -10 | -2.08 | 0.002486551 | 2.5 |
| 0 | -2.49 | 0.002976689 | 2.5 |
| 10 | 3.42 | 0.004088464 | 2.5 |
| 20 | 2.51 | 0.003000598 | 2.5 |
| 30 | 3.08 | 0.003682008 | 2.5 |
| 40 | -4.15 | 0.004961148 | 2.5 |
| 50 | 4.07 | 0.004865511 | 2.5 |
| Max. Deviation (ppm) | 4.15 | 0.004961148 | 2.5 |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.50 | -3.45 | 0.004124328 | 2.5 |
| 3.82 | 2.64 | 0.003156007 | 2.5 |
| 4.35 | 2.33 | 0.002785415 | 2.5 |
| Max. Deviation (ppm) | 3.45 | 0.004124328 | 2.5 |

| | |
|------------|-------------------------|
| Test Mode: | LTE Band 26_CH26915_15M |
|------------|-------------------------|

Temperature vs. Frequency Stability

| Temperature(°C) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| -30 | 1.26 | 0.001506276 | 2.5 |
| -20 | 3.67 | 0.004387328 | 2.5 |
| -10 | -2.24 | 0.002677824 | 2.5 |
| 0 | 2.91 | 0.003478781 | 2.5 |
| 10 | 1.73 | 0.002068141 | 2.5 |
| 20 | 3.08 | 0.003682008 | 2.5 |
| 30 | -2.51 | 0.003000598 | 2.5 |
| 40 | -2.67 | 0.003191871 | 2.5 |
| 50 | 3.19 | 0.003813509 | 2.5 |
| Max. Deviation (ppm) | 3.67 | 0.004387328 | 2.5 |

Voltage vs. Frequency Stability

| Voltage(Volts) | Frequency Error (Hz) | Frequency Error (ppm) | Limit(ppm) |
|----------------------|----------------------|-----------------------|------------|
| 3.50 | 1.63 | 0.001948595 | 2.5 |
| 3.82 | 2.18 | 0.002606097 | 2.5 |
| 4.35 | -1.67 | 0.001996414 | 2.5 |
| Max. Deviation (ppm) | 2.18 | 0.002606097 | 2.5 |