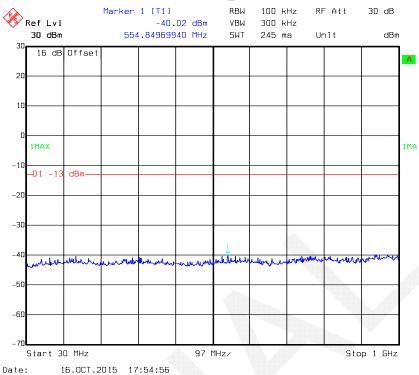
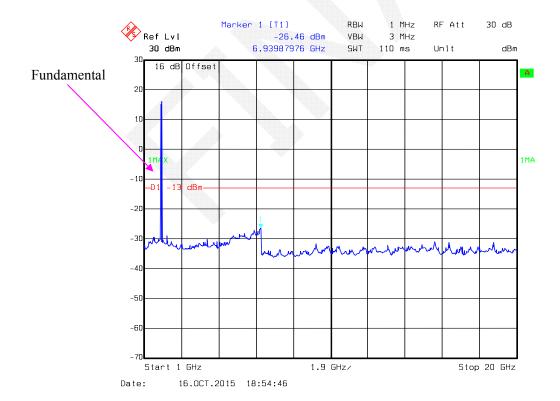
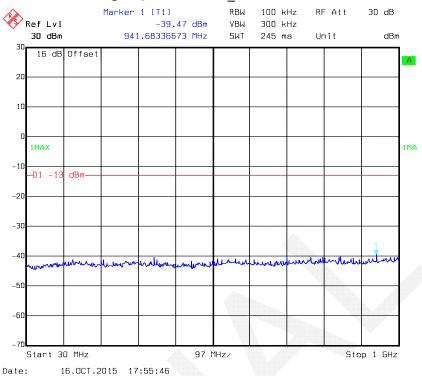
16-QAM, Band 2-10M _ Middle Channel



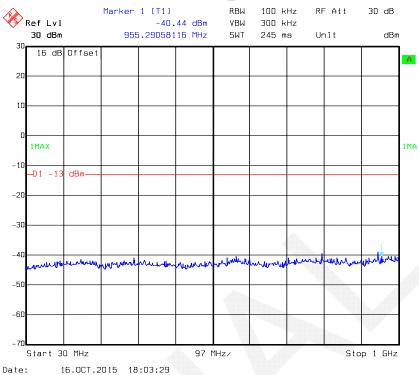


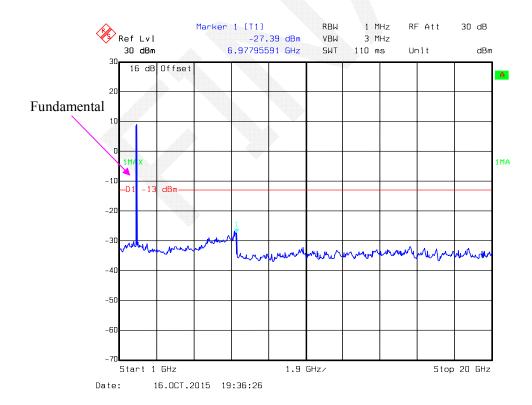
16-QAM, Band 2-15M _ Middle Channel



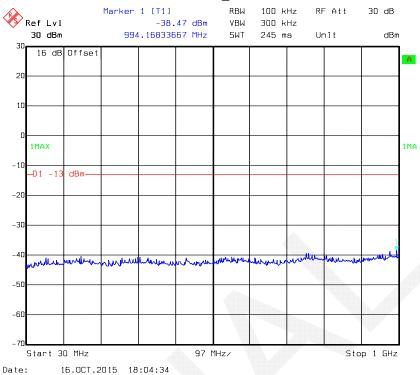


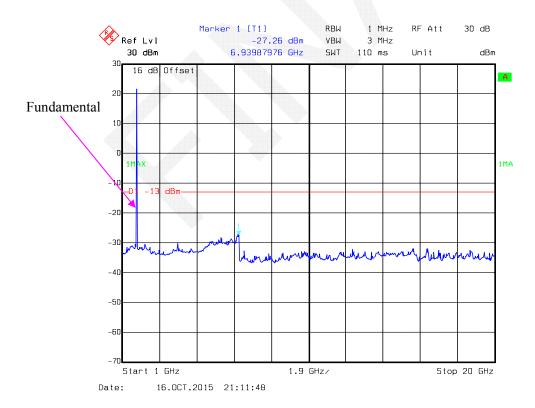
16-QAM, Band 2-20M _ Middle Channel



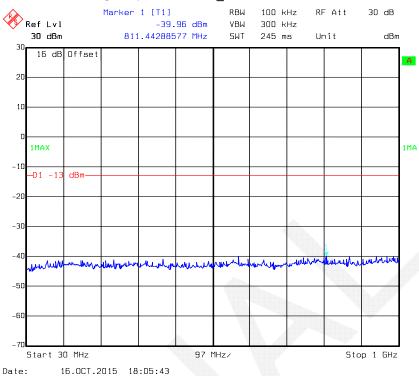


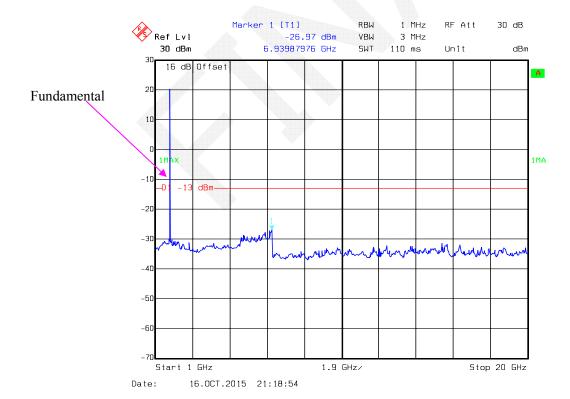
QPSK, Band 4-1.4M _ Middle Channel



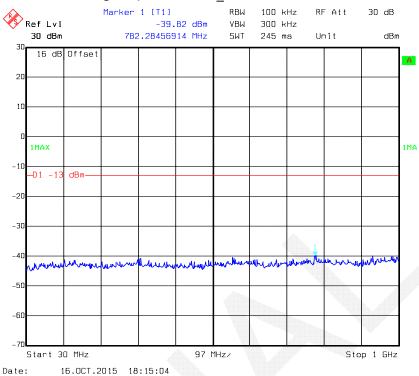


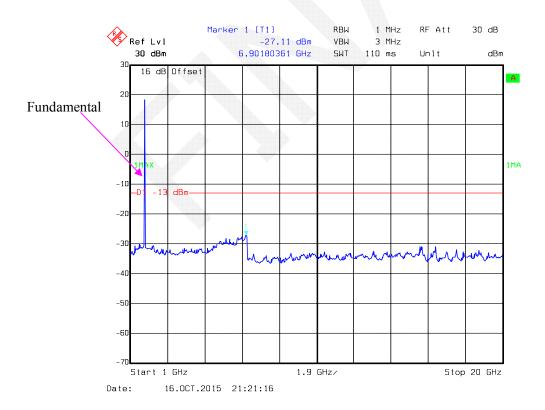
QPSK, Band 4-3M _ Middle Channel





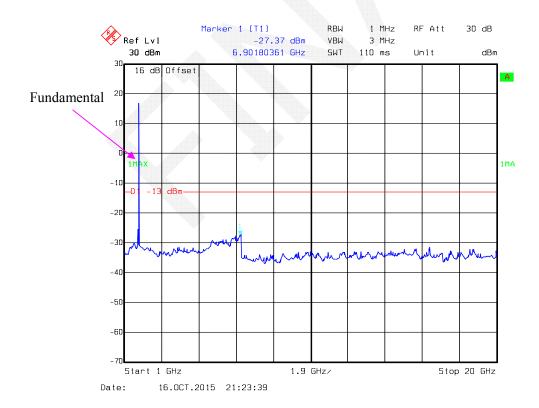
QPSK, Band 4-5M _ Middle Channel



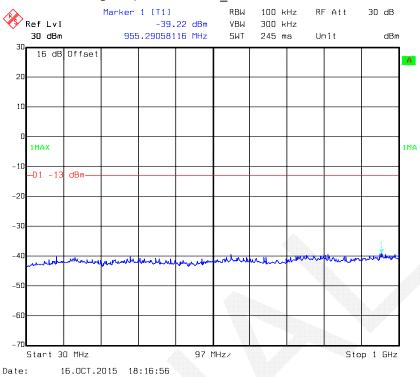


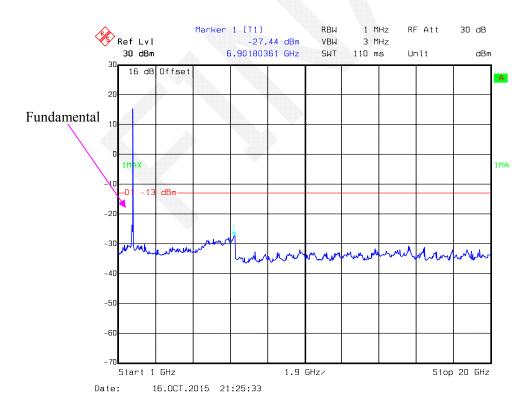
QPSK, Band 4-10M _ Middle Channel



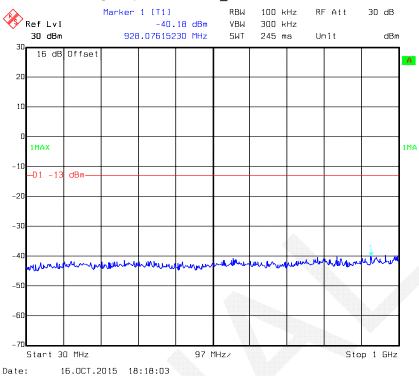


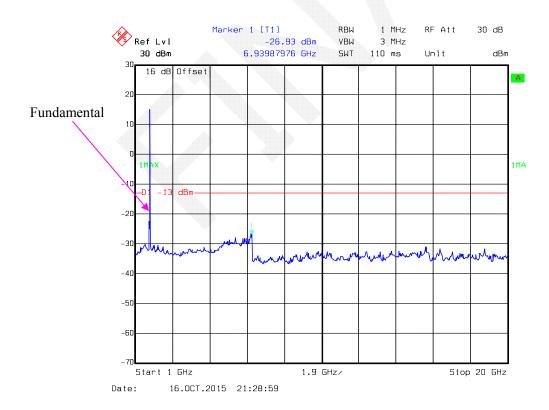
QPSK, Band 4-15M _ Middle Channel



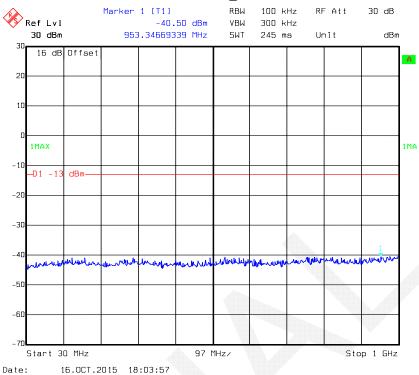


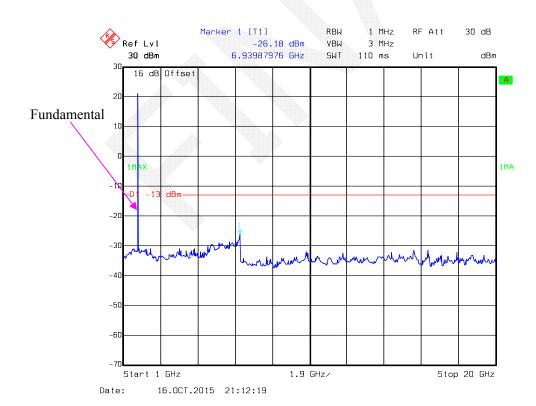
QPSK, Band 4-20M _ Middle Channel



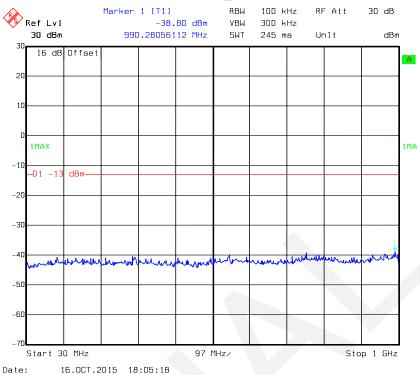


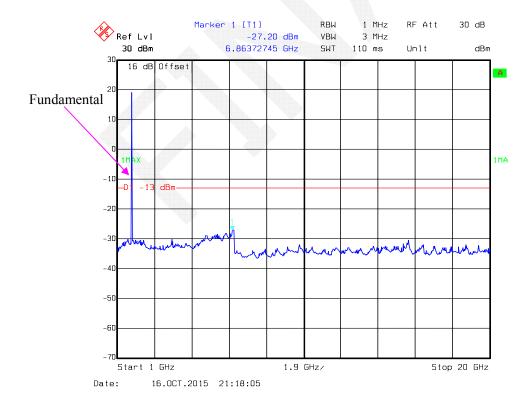
16-QAM, Band 4-1.4M _ Middle Channel



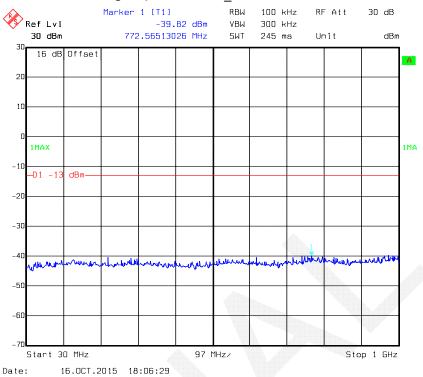


16-QAM, Band 4-3M _ Middle Channel



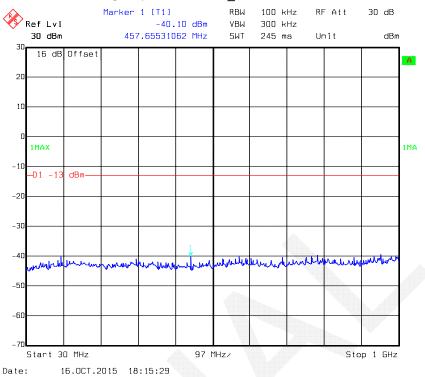


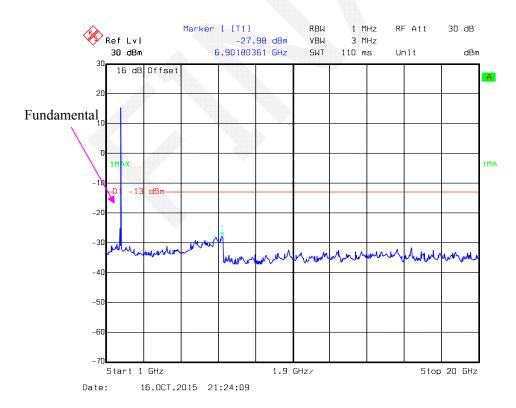
16-QAM, Band 4-5M _ Middle Channel



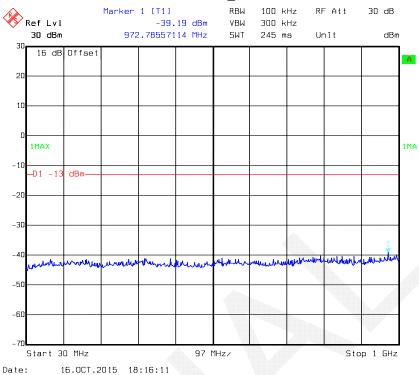


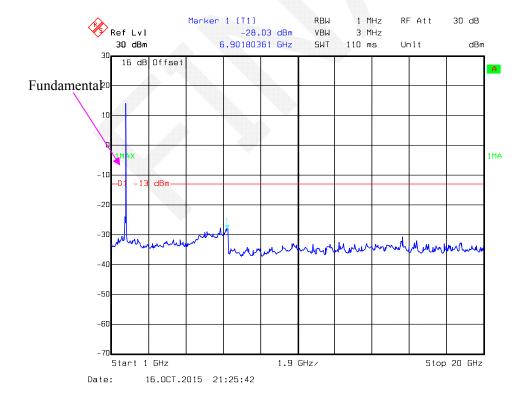
16-QAM, Band 4-10M _ Middle Channel



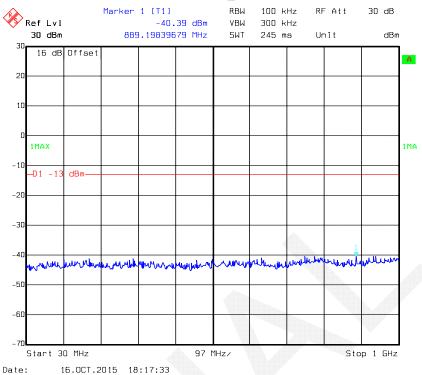


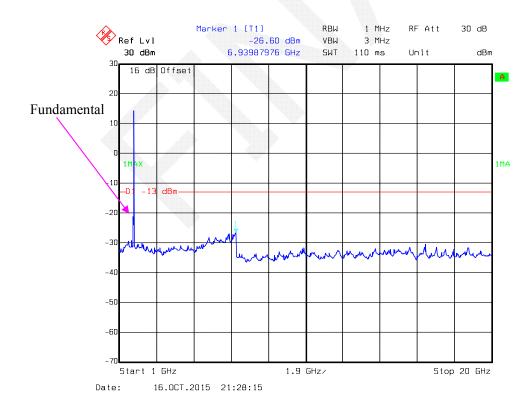
16-QAM, Band 4-15M _ Middle Channel





16-QAM, Band 4-20M _ Middle Channel





FCC §2.1053, §22.917 & §24.238 & §27.53- SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, §22.917, § 24.238 and § 27.53.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in $dB = 10 \lg (TXpwr in Watts/0.001) - the absolute level$

Spurious attenuation limit in $dB = 43 + 10 \text{ Log}_{10}$ (power out in Watts)

Spurious attenuation limit in dB = $55 + 10 \text{ Log}_{10}$ (power out in Watts) for band 7

Test Equipment List and Details

| | Alla Villa | | | | |
|-------------------|------------------------------|------------|------------------|---------------------|-------------------------|
| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
| R&S | EMI Test Receiver | ESCI | 100224 | 2015-08-03 | 2016-08-02 |
| Sunol Sciences | Antenna | ЈВ3 | A060611-3 | 2014-11-06 | 2017-11-05 |
| HP | Amplifier | 8447E | 2434A02181 | 2015-09-01 | 2016-09-01 |
| R&S | Spectrum Analyzer | FSEM | DE31388 | 2015-05-09 | 2016-05-09 |
| ETS LINDGREN | Horn Antenna | 3115 | 000 527 35 | 2015-09-06 | 2018-09-06 |
| Mini-Circuit | Amplifier | ZVA-213-S+ | 054201245 | 2015-02-19 | 2016-02-19 |
| Giga | Signal Generator | 1026 | 320408 | 2015-05-09 | 2016-05-09 |
| EMCO | Adjustable Dipole Antenna | 3121C | 9109-753 | N/A | N/A |
| TDK RF | Horn Antenna | HRN-0118 | 130 084 | 2015-09-06 | 2018-09-06 |

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

| Temperature: | 27.1~27.4 °C |
|--------------------|-----------------|
| Relative Humidity: | 49~53 % |
| ATM Pressure: | 100.2~100.8 kPa |

The testing was performed by Dean Liu from 2015-10-16 to 2015-10-28.

EUT Operation Mode: Transmitting

Cellular Band (PART 22H)

30 MHz-10 GHz:

| | | Substituted Method | | Absolute | | | | |
|--------------------|---------------------|-------------------------------|------------------------|------------------------------|--------------------|----------------------------|----------------|----------------|
| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBµV) | S.G. Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
| | Frequency:836.6 MHz | | | | | | | |
| 1673.200 | Н | 41.11 | -60 | 8.0 | 1.5 | -53.5 | -13.0 | 40.5 |
| 1673.200 | V | 39.96 | -61.4 | 8.0 | 1.5 | -54.9 | -13.0 | 41.9 |
| 2509.800 | Н | 50.00 | -48 | 9.5 | 2.8 | -41.3 | -13.0 | 28.3 |
| 2509.800 | V | 44.59 | -52.5 | 9.5 | 2.8 | -45.8 | -13.0 | 32.8 |

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

WCDMA Band V

| | | D | Substituted Method | | Abaalaa | | | |
|--------------------|----------------|-------------------------------|------------------------|------------------------------|--------------------|----------------------------|----------------|----------------|
| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBµV) | S.G. Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
| | | | Freque | ency:836.6 MI | Ήz | | | |
| 1673.200 | Н | 34.26 | -66.8 | 8.0 | 1.5 | -60.3 | -13.0 | 47.3 |
| 1673.200 | V | 35.93 | -65.4 | 8.0 | 1.5 | -58.9 | -13.0 | 45.9 |

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

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30 MHz-20 GHz:

PCS Band (PART 24E)

| 001111111111111111111111111111111111111 | 50 MHZ-20 GHZ. | | | | | | | |
|---|----------------|-------------------------------|------------------------|------------------------------|--------------------|----------------------------|----------------|----------------|
| | | D | Substituted Method | | thod | Abaalata | | |
| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBµV) | S.G. Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
| | | | Frequ | ency:1880 MF | Iz | | | |
| 3760.000 | Н | 34.39 | -59.9 | 9.3 | 2.9 | -53.5 | -13.0 | 40.5 |
| 3760.000 | V | 35.18 | -57.9 | 9.3 | 2.9 | -51.5 | -13.0 | 38.5 |

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

WCDMA Band II

| | | D | Sı | ubstituted Me | thod | A la sa lasta | | |
|--------------------|----------------|-------------------------------|------------------------|------------------------------|--------------------|----------------------------|----------------|----------------|
| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBµV) | S.G. Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
| | | | Frequ | ency:1880 MF | Iz | | | |
| 3760.000 | Н | 33.80 | -60.5 | 9.3 | 2.9 | -54.1 | -13.0 | 41.1 |
| 3760.000 | V | 34.62 | -58.4 | 9.3 | 2.9 | -52.0 | -13.0 | 39.0 |

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

WCDMA Band IV

| | | Receiver | Si | ubstituted Me | thod | Absolute | | |
|--------------------|----------------|----------------|------------------------|------------------------------|--------------------|-------------|----------------|----------------|
| Frequency (MHz) | Polar (H/V) | Reading (dBµV) | S.G. Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | Level (dBm) | Limit (dBm) | Margin (dB) |
| | | | Freque | ency:1732.6 M | Hz | | | |
| 3465.200 | Н | 34.17 | -62.8 | 13.9 | 1.9 | -50.8 | -13.0 | 37.8 |
| 3465.200 | V | 34.85 | -61.3 | 13.9 | 1.9 | -49.3 | -13.0 | 36.3 |

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = SG Level Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

LTE Band 2

| | | n . | Sı | ubstituted Me | thod | A1 1 4 | | |
|--------------------|----------------|-------------------------------|------------------------|------------------------------|--------------------|----------------------------|----------------|----------------|
| Frequency (MHz) | Polar (H/V) | Receiver Reading (dBµV) | S.G. Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
| | | | QPSK, Fr | equency:1880 | MHz | | | |
| 3760.000 | Н | 40.02 | -54.3 | 9.3 | 2.9 | -47.9 | -13.0 | 34.9 |
| 3760.000 | V | 38.54 | -54.5 | 9.3 | 2.9 | -48.1 | -13.0 | 35.1 |
| 5640.000 | Н | 35.69 | -56 | 10.4 | 2.1 | -47.7 | -13.0 | 34.7 |
| 5640.000 | V | 34.47 | -57.2 | 10.4 | 2.1 | -48.9 | -13.0 | 35.9 |
| | | | 16- QAN | 1, Frequency:1 | 880 MHz | | | |
| 3760.000 | Н | 39.36 | -54.9 | 9.3 | 2.9 | -48.5 | -13.0 | 35.5 |
| 3760.000 | V | 37.41 | -55.7 | 9.3 | 2.9 | -49.3 | -13.0 | 36.3 |
| 5640.000 | Н | 34.52 | -57.2 | 10.4 | 2.1 | -48.9 | -13.0 | 35.9 |
| 5640.000 | V | 33.39 | -58.3 | 10.4 | 2.1 | -50.0 | -13.0 | 37.0 |

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

LTE Band 4

| | | D | Sı | ubstituted Me | thod | A11 4. | | |
|--------------------|---|-------------------------------|------------------------|------------------------------|--------------------|----------------------------|----------------|----------------|
| Frequency (MHz) | | Receiver Reading (dBµV) | S.G. Level (dBm) | Antenna Gain (dBd/dBi) | Cable Loss (dB) | Absolute Level (dBm) | Limit (dBm) | Margin (dB) |
| | | | QPSK, Fre | equency:1732.: | 5 MHz | | | |
| 3465.000 | Н | 36.39 | -60.5 | 8.4 | 1.9 | -54.0 | -13.0 | 41.0 |
| 3465.000 | V | 35.51 | -60.7 | 8.4 | 1.9 | -54.2 | -13.0 | 41.2 |
| 5197.500 | Н | 39.42 | -51.6 | 10.4 | 2.3 | -43.5 | -13.0 | 30.5 |
| 5197.500 | V | 38.53 | -54 | 10.4 | 2.3 | -45.9 | -13.0 | 32.9 |
| | | | 16- QAM, | Frequency: 1 | 732.5 MHz | | | |
| 3465.000 | Н | 35.69 | -61.2 | 8.4 | 1.9 | -54.7 | -13.0 | 41.7 |
| 3465.000 | V | 34.65 | -61.5 | 8.4 | 1.9 | -55.0 | -13.0 | 42.0 |
| 5197.500 | Н | 40.38 | -50.6 | 10.4 | 2.3 | -42.5 | -13.0 | 29.5 |
| 5197.500 | V | 39.21 | -53.3 | 10.4 | 2.3 | -45.2 | -13.0 | 32.2 |

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = SG Level Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

Report No.: RSZ150930003-00C

FCC §22.917(a) & §24.238(a) & §27.53(g)§27.53(h) §27.53(m) - BAND EDGES

Applicable Standard

According to § 22.917(a), the power of any emissions 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.

According to \$24.238(a), the power of any emissions 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.

According to §27.53 (g), For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

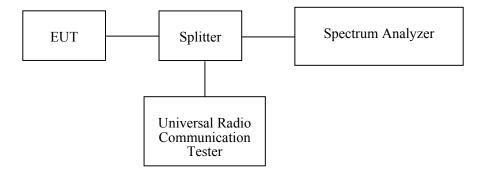
According to §27.53 (h), AWS emission limits—(1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.

According to $\S27.53$ (m), (4) For mobile digital stations, the attenuation factor shall be not less than 40+10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43+10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55+10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43+10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55+10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.



Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|---|--------|------------------|---------------------|-------------------------|
| R&S | Spectrum Analyzer | FSP 38 | 100478 | 2015-05-09 | 2016-05-09 |
| R&S | Universal Radio Communication Tester | CMU200 | 109038 | 2015-05-09 | 2016-05-09 |
| R&S | Wideband Radio Communication Tester | CMW500 | 106891 | 2014-12-19 | 2015-12-19 |

^{*} **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

| Temperature: | 27.1~27.8 °C |
|--------------------|-----------------|
| Relative Humidity: | 56~60 % |
| ATM Pressure: | 100.8~101.1 kPa |

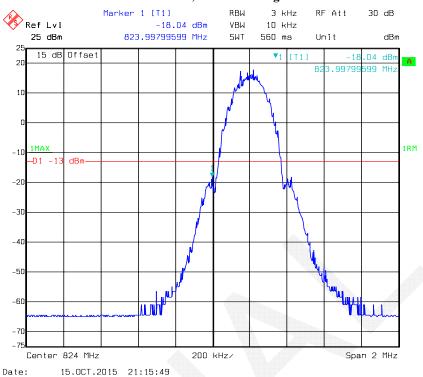
The testing was performed by Dean Liu from 2015-10-14 to 2015-10-28.

Test Mode: Transmitting

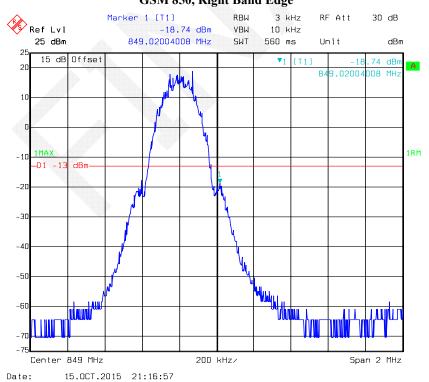
Test Result: Compliance. Please refer to the following plots.

Report No.: RSZ150930003-00C

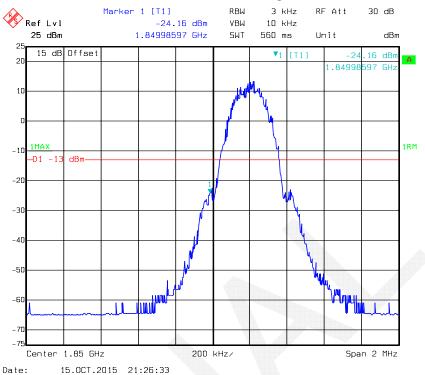
GSM 850, Left Band Edge



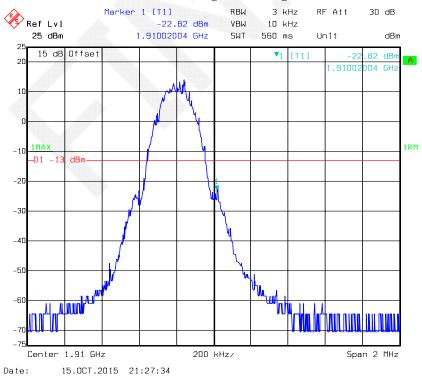
GSM 850, Right Band Edge



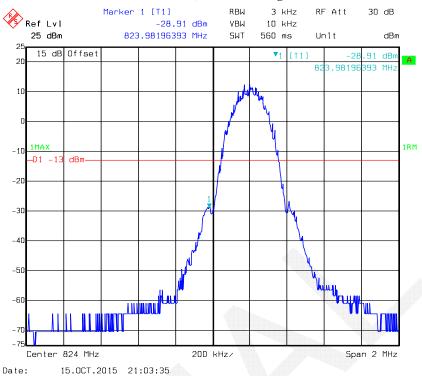
GSM 1900, Left Band Edge



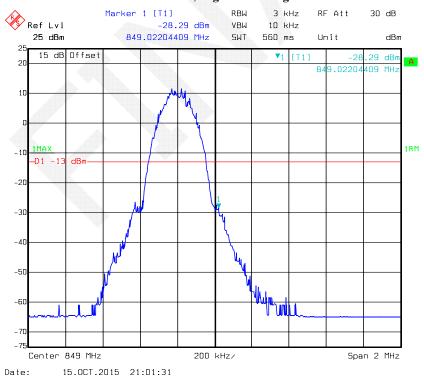
GSM 1900, Right Band Edge



EDGE 850, Left Band Edge



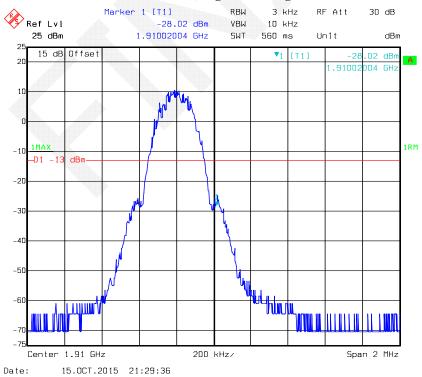
EDGE 850, Right Band Edge



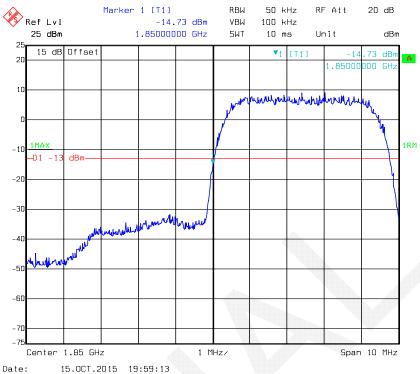
EDGE 1900, Left Band Edge



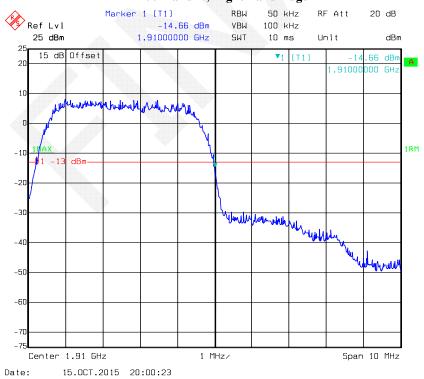
EDGE 1900, Right Band Edge



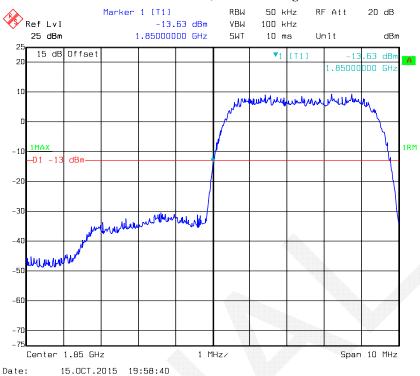
REL99 Band II, Left Band Edge



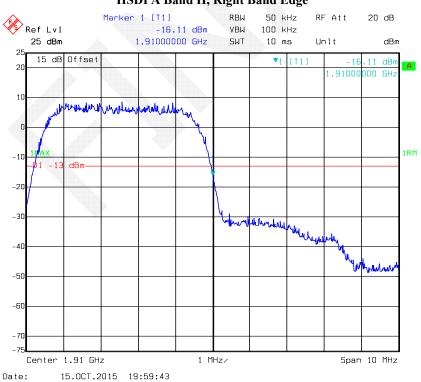
REL99 Band II, Right Band Edge



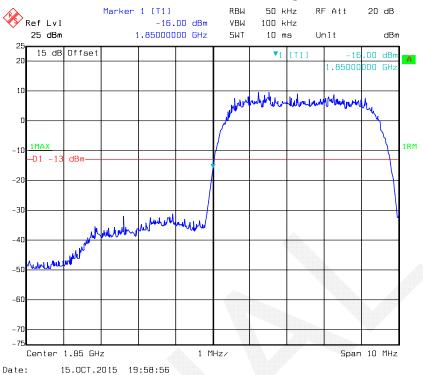
HSDPA Band II, Left Band Edge



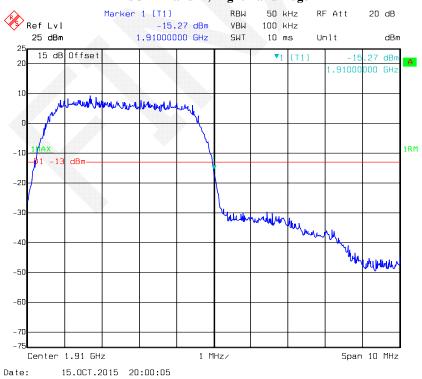
HSDPA Band II, Right Band Edge



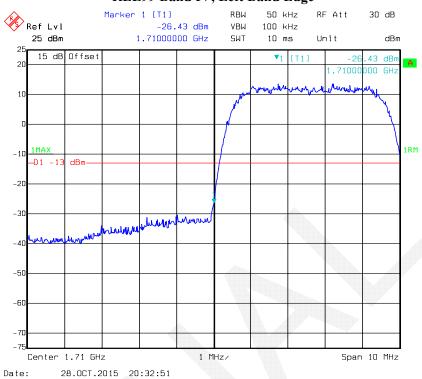
HSUPA Band II, Left Band Edge



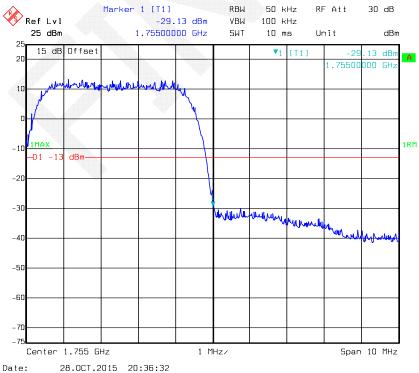
HSUPA Band II, Right Band Edge



REL99 Band IV, Left Band Edge

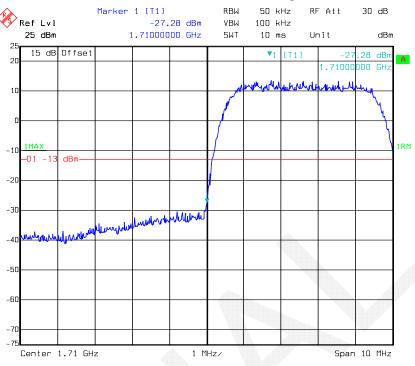


REL99 Band IV, Right Band Edge



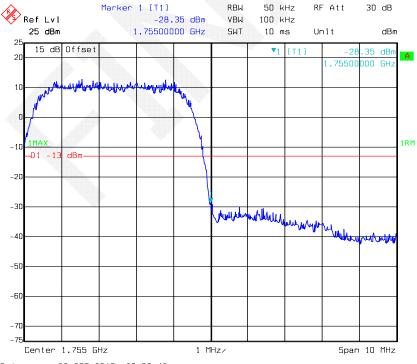
Report No.: RSZ150930003-00C

HSDPA Band IV, Left Band Edge

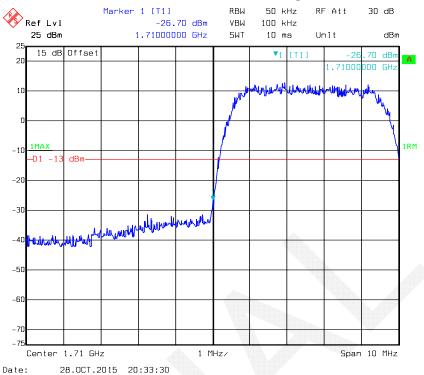


Date: 28.0CT.2015 20:33:20

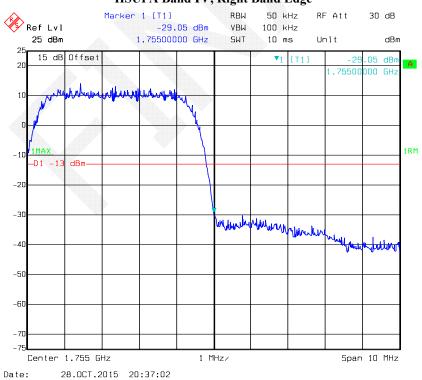
HSDPA Band IV, Right Band Edge



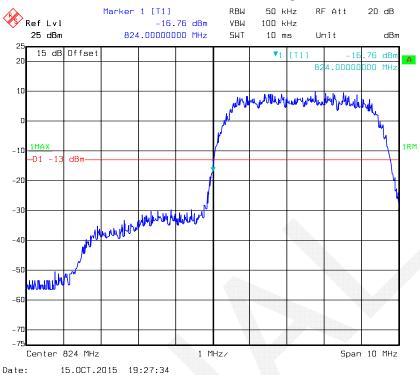
HSUPA Band IV, Left Band Edge



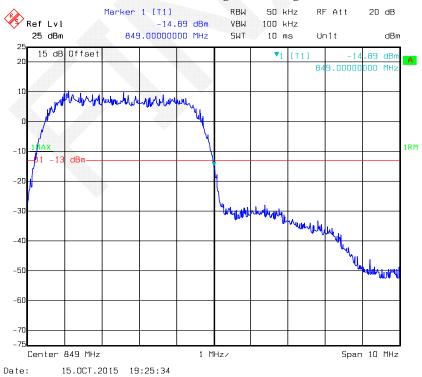
HSUPA Band IV, Right Band Edge



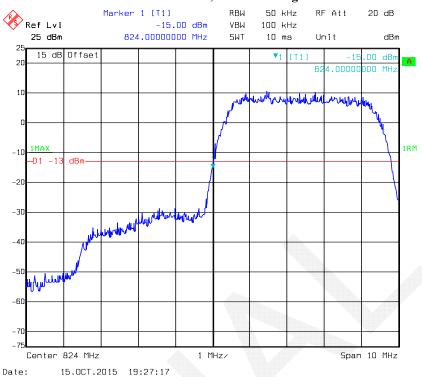
REL99 Band V, Left Band Edge



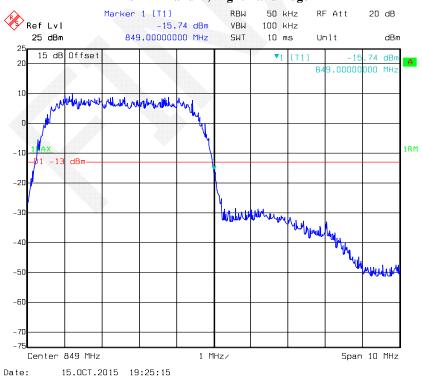
REL99 Band V Right Band Edge



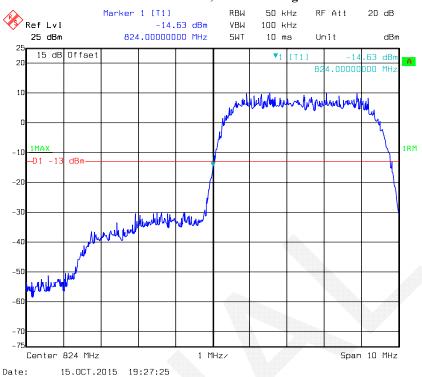
HSDPA Band V, Left Band Edge



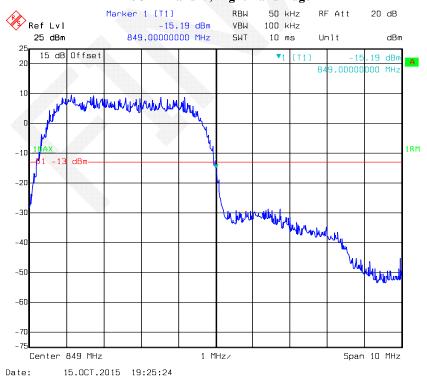
HSDPA Band V, Right Band Edge



HSUPA Band V, Left Band Edge

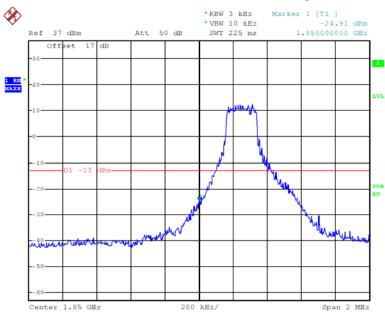


HSUPA Band V, Right Band Edge



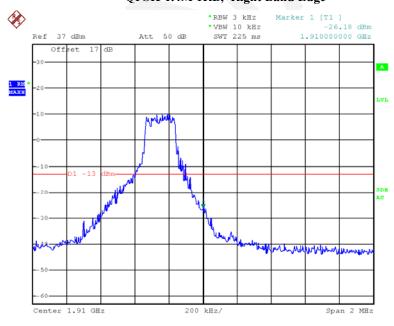
LTE Band 2

QPSK-1.4M 1RB, Left Band Edge



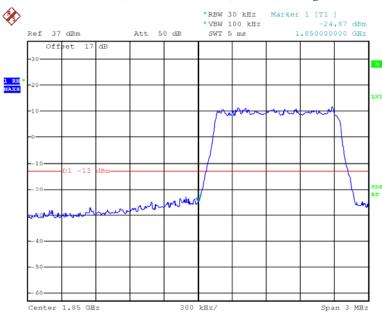
Date: 14.0CT.2015 20:30:45

QPSK-1.4M 1RB, Right Band Edge



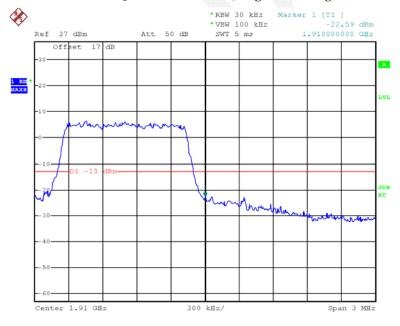
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QPSK-1.4M Full RB, Left Band Edge



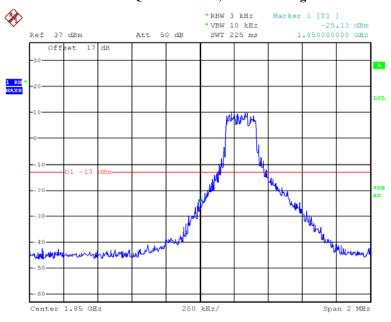
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QPSK-1.4M Full RB, Right Band Edge



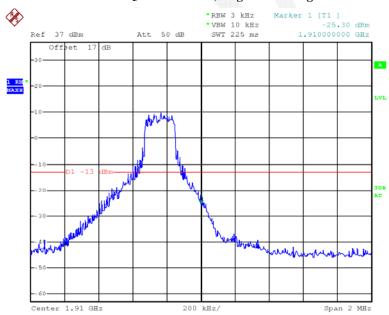
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QPSK-3M 1RB, Left Band Edge



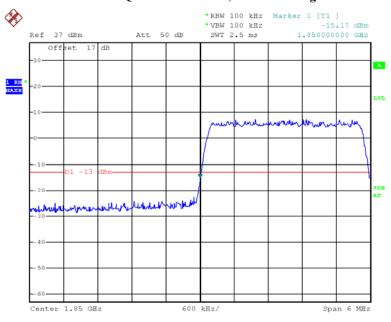
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QPSK-3M 1RB, Right Band Edge



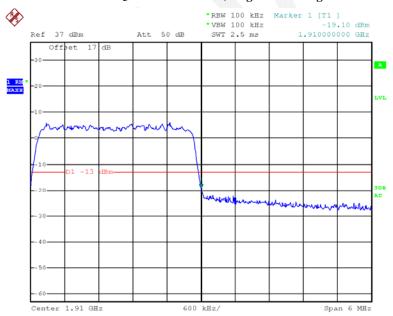
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QPSK-3M Full RB, Left Band Edge



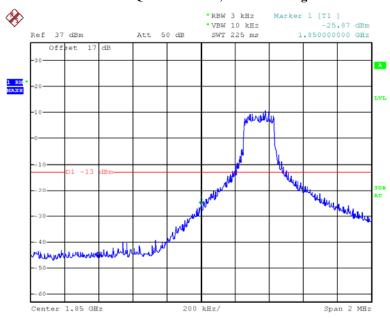
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QPSK-3M Full RB, Right Band Edge



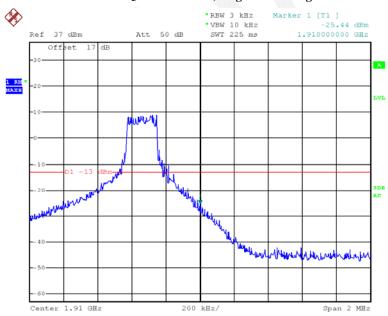
Date: 14.0CT.2015 20:59:59

QPSK-5M 1RB, Left Band Edge



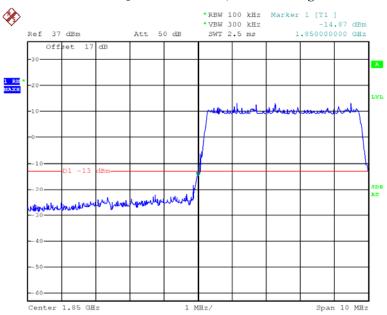
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QPSK-5M 1RB, Right Band Edge



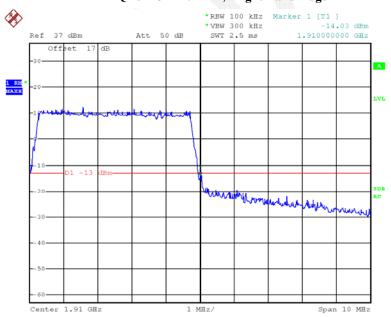
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QPSK-5M Full RB, Left Band Edge



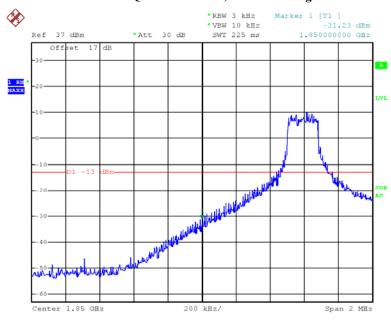
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QPSK-5M Full RB, Right Band Edge



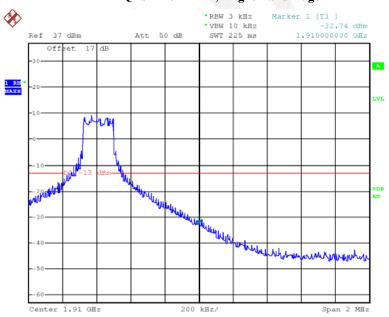
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QPSK-10M 1RB, Left Band Edge



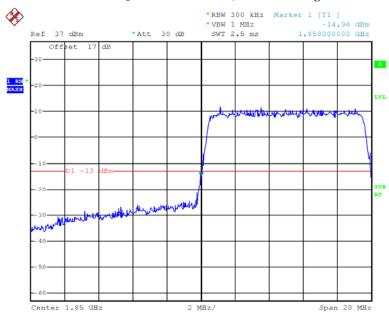
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QPSK-10M 1RB, Right Band Edge



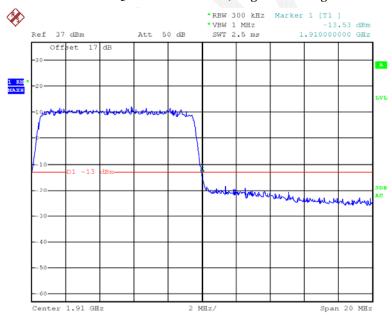
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QPSK-10M Full RB, Left Band Edge



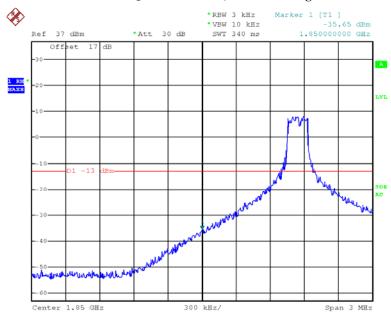
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QPSK-10M Full RB, Right Band Edge



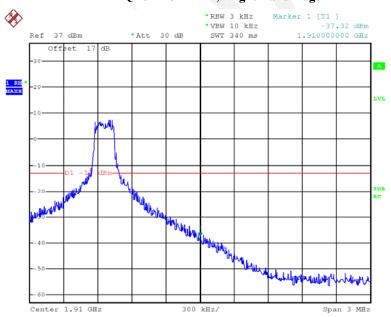
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QPSK-15M 1RB, Left Band Edge



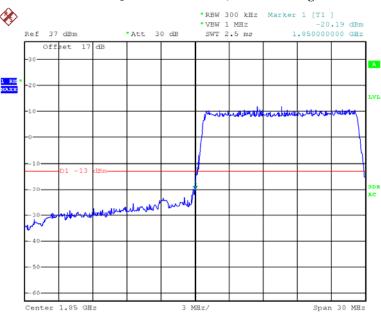
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QPSK-15M 1RB, Right Band Edge



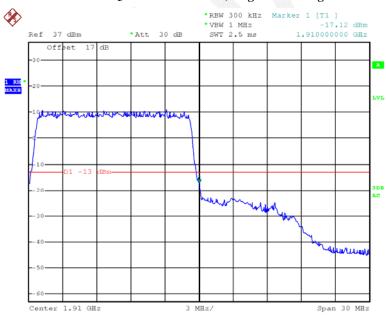
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QPSK-15M Full RB, Left Band Edge



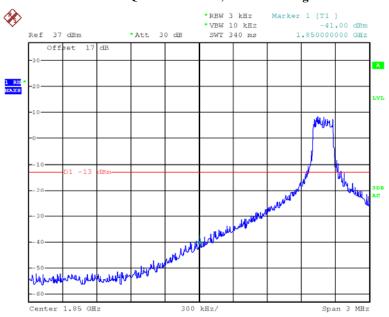
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QPSK-15M Full RB, Right Band Edge



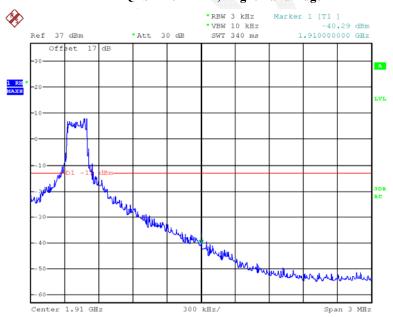
Date: 14.0CT.2015 21:41:35

QPSK-20M 1RB, Left Band Edge



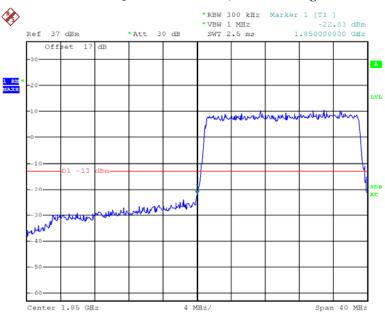
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QPSK-20M 1RB, Right Band Edge



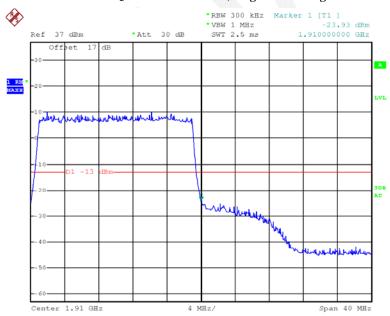
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QPSK-20M Full RB, Left Band Edge



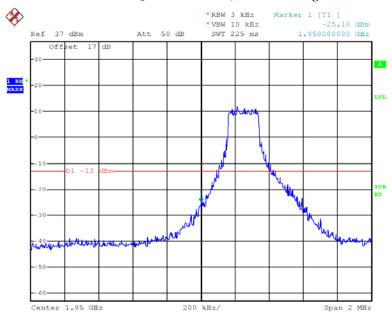
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QPSK-20M Full RB, Right Band Edge



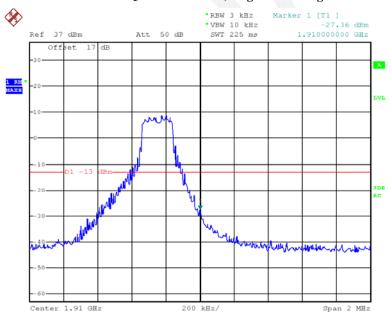
Date: 14.0CT.2015 21:48:41

16QAM -1.4M 1RB, Left Band Edge



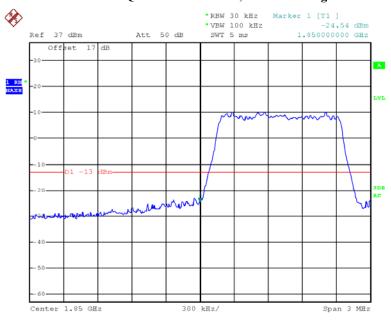
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16QAM -1.4M 1RB, Right Band Edge



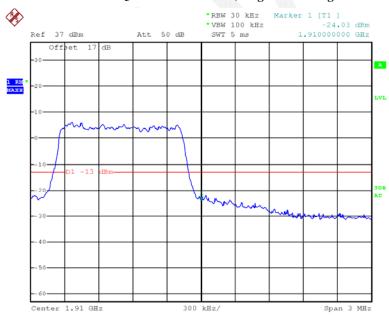
Date: 14.0CT.2015 20:32:51

16QAM -1.4M Full RB, Left Band Edge



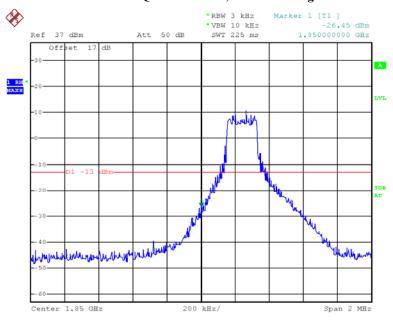
Date: 14.0CT.2015 20:41:48

16QAM -1.4M Full RB, Right Band Edge



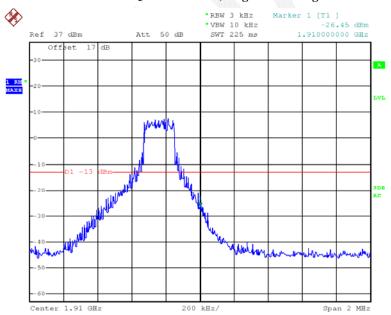
Date: 14.0CT.2015 20:37:04

16QAM -3M 1RB, Left Band Edge



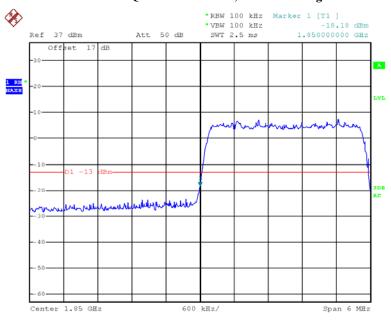
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16QAM -3M 1RB, Right Band Edge



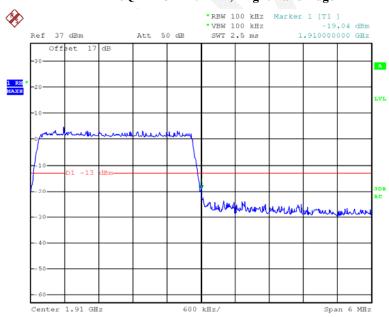
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16QAM -3M Full RB, Left Band Edge



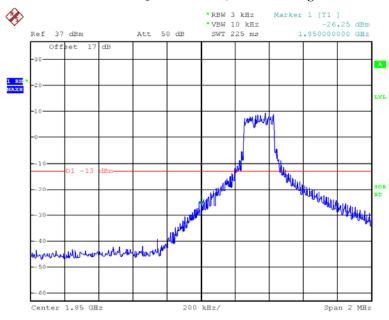
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16QAM -3M Full RB, Right Band Edge



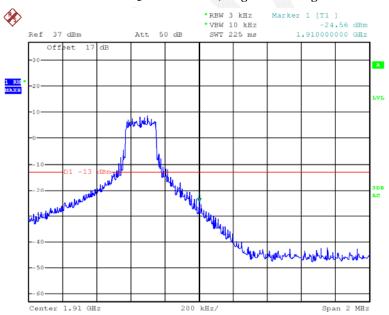
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16QAM -5M 1RB, Left Band Edge



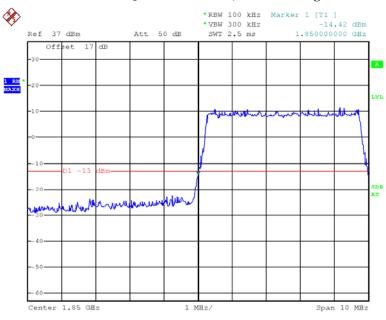
Date: 14.0CT.2015 21:16:14

16QAM -5M 1RB, Right Band Edge



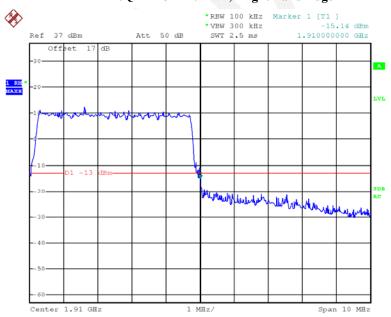
Date: 14.0CT.2015 21:22:05

16QAM -5M Full RB, Left Band Edge



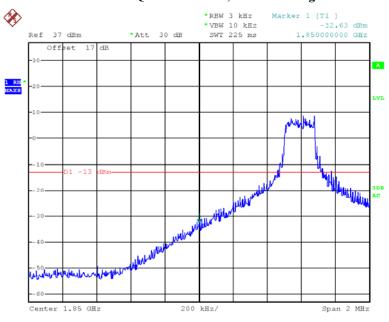
Date: 14.0CT.2015 21:17:16

16QAM -5M Full RB, Right Band Edge



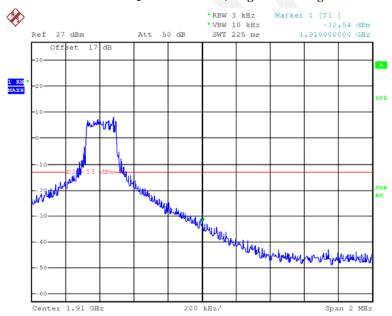
Date: 14.0CT.2015 21:19:29

16QAM -10M 1RB, Left Band Edge



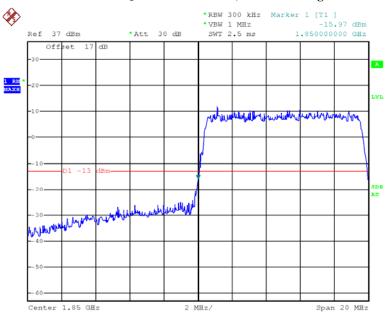
Date: 14.0CT.2015 21:30:04

16QAM -10M 1RB, Right Band Edge



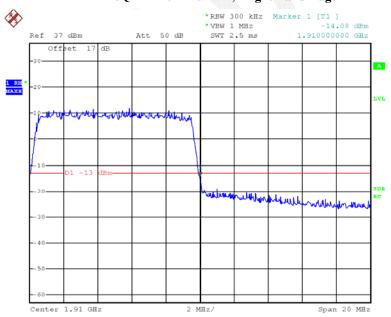
Date: 14.0CT.2015 21:25:04

16QAM -10M Full RB, Left Band Edge



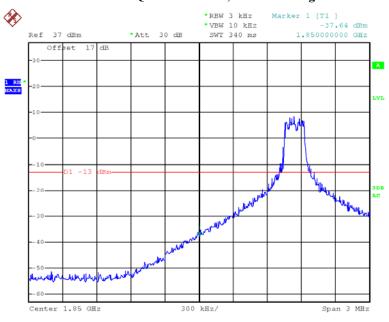
Date: 14.0CT.2015 21:28:36

16QAM -10M Full RB, Right Band Edge



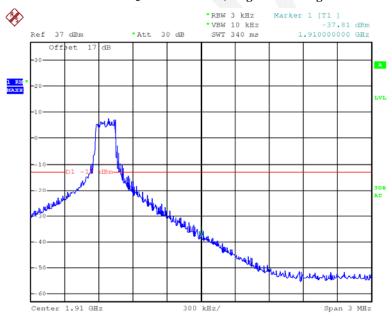
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16QAM -15M 1RB, Left Band Edge



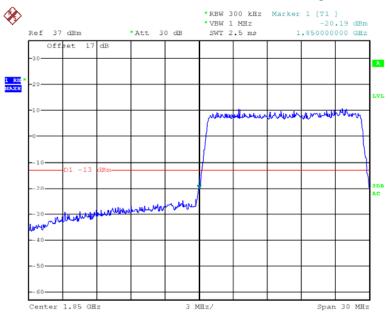
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16QAM -15M 1RB, Right Band Edge



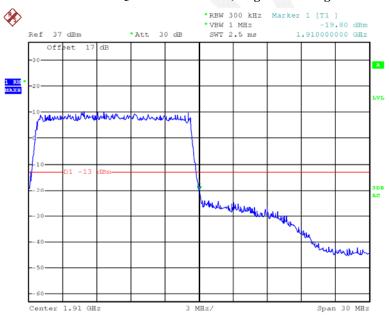
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16QAM -15M Full RB, Left Band Edge



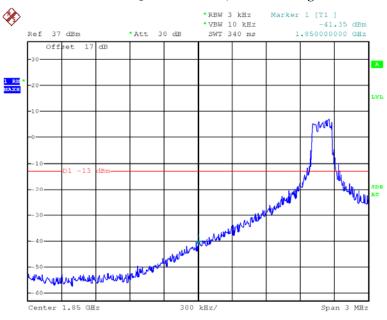
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16QAM -15M Full RB, Right Band Edge



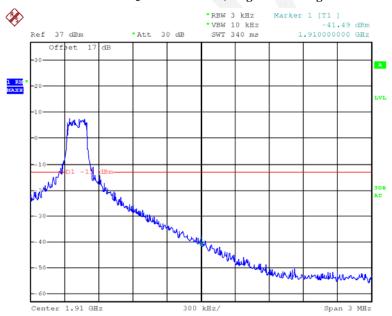
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16QAM -20M 1RB, Left Band Edge



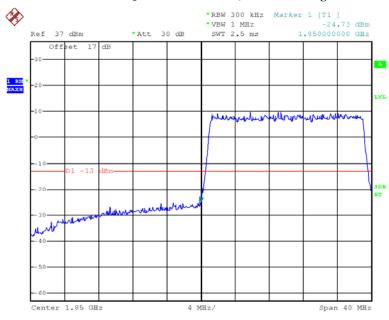
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16QAM -20M 1RB, Right Band Edge



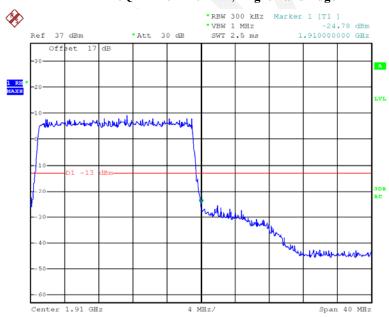
Date: 14.0CT.2015 21:47:08

16QAM -20M Full RB, Left Band Edge



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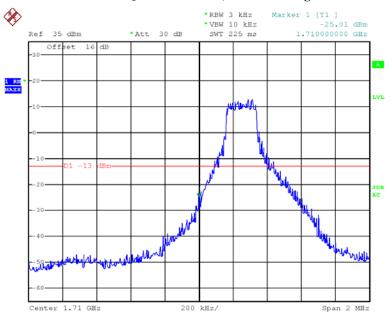
16QAM-20M Full RB, Right Band Edge



Date: 14.0CT.2015 21:48:58

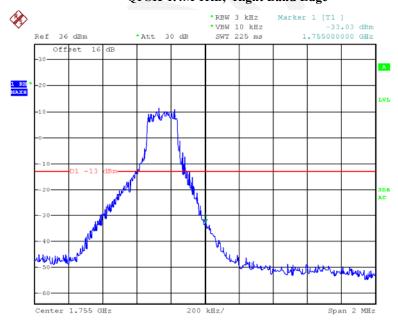
LTE Band 4

QPSK-1.4M 1RB, Left Band Edge



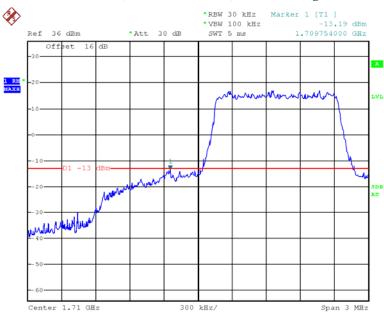
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QPSK-1.4M 1RB, Right Band Edge



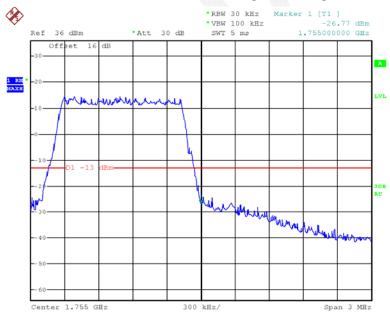
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QPSK-1.4M Full RB, Left Band Edge



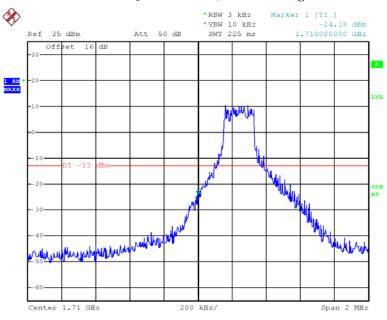
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QPSK-1.4M Full RB, Right Band Edge



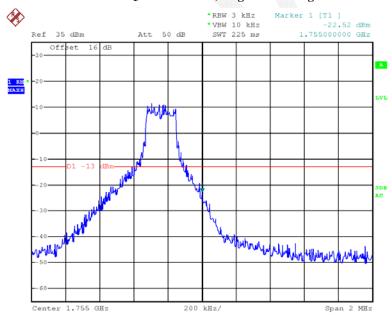
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QPSK-3M 1RB, Left Band Edge



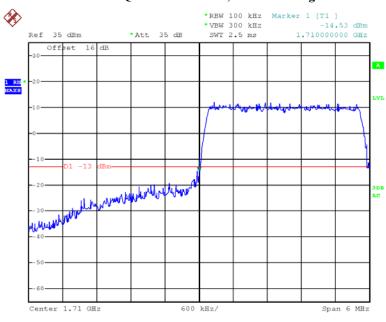
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QPSK-3M 1RB, Right Band Edge



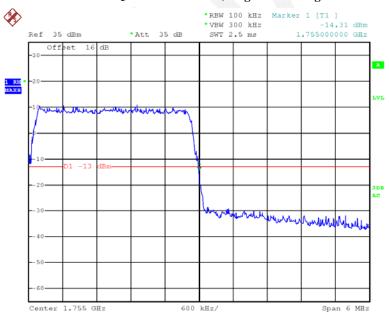
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QPSK-3M Full RB, Left Band Edge



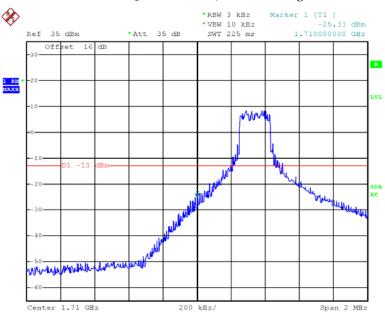
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QPSK-3M Full RB, Right Band Edge



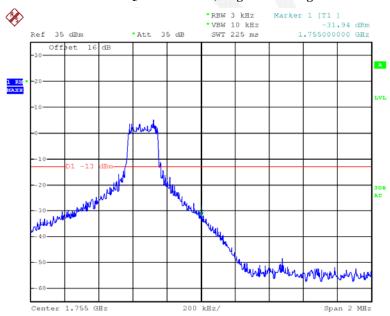
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QPSK-5M 1RB, Left Band Edge



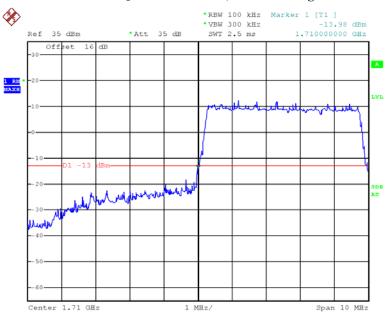
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QPSK-5M 1RB, Right Band Edge



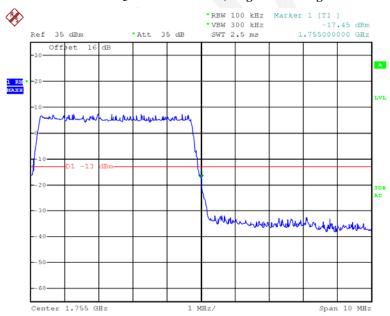
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QPSK-5M Full RB, Left Band Edge



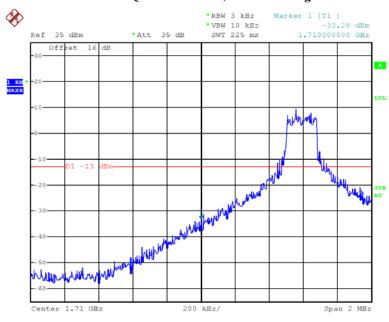
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QPSK-5M Full RB, Right Band Edge



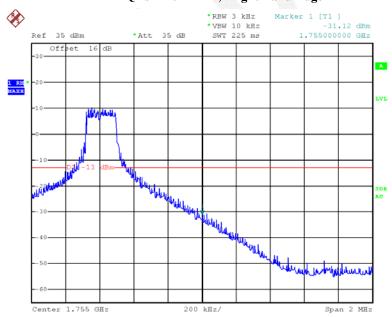
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QPSK-10M 1RB, Left Band Edge



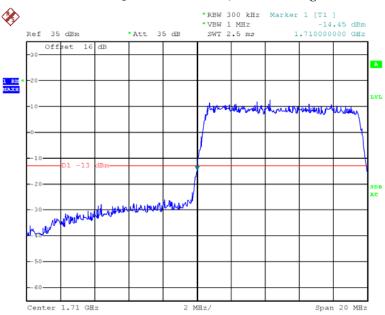
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QPSK-10M 1RB, Right Band Edge



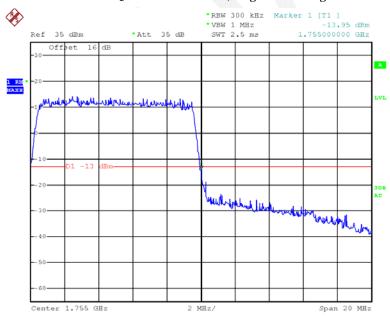
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QPSK-10M Full RB, Left Band Edge



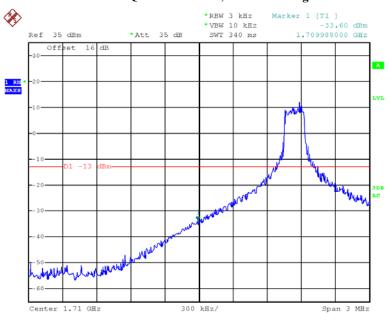
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QPSK-10M Full RB, Right Band Edge



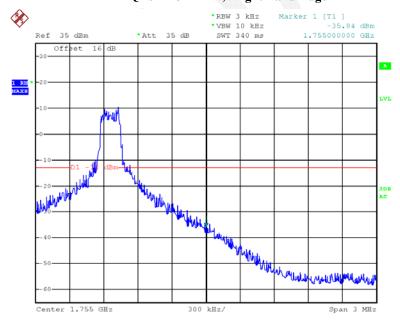
Date: 15.0CT.2015 22:37:30

QPSK-15M 1RB, Left Band Edge



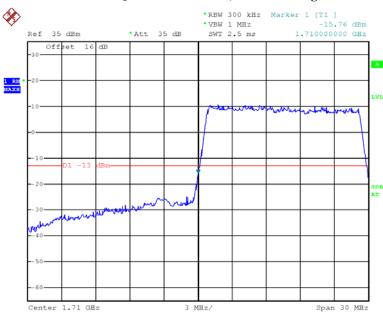
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QPSK-15M 1RB, Right Band Edge



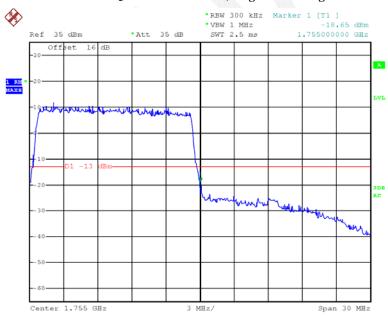
Date: 15.0CT.2015 22:56:26

QPSK-15M Full RB, Left Band Edge



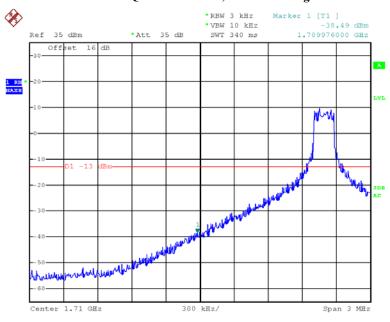
Date: 15.0CT.2015 22:49:01

QPSK-15M Full RB, Right Band Edge



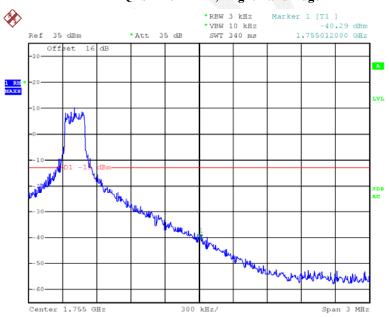
Date: 15.0CT.2015 22:52:48

QPSK-20M 1RB, Left Band Edge



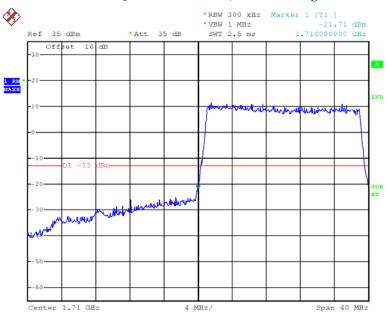
Date: 15.0CT.2015 23:04:00

QPSK-20M 1RB, Right Band Edge



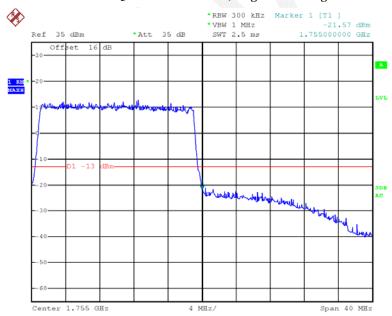
Date: 15.0CT.2015 23:06:30

QPSK-20M Full RB, Left Band Edge



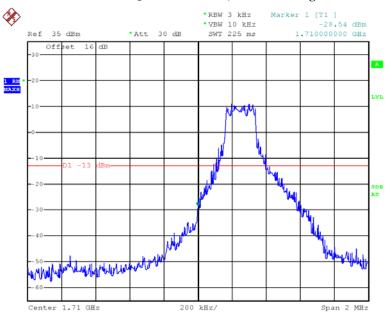
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QPSK-20M Full RB, Right Band Edge



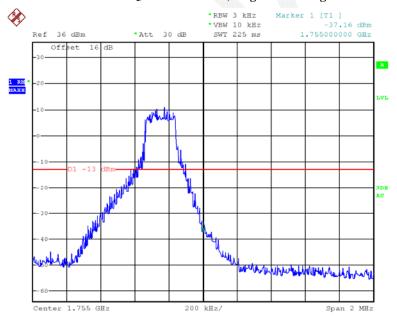
Date: 15.0CT.2015 23:08:35

16QAM -1.4M 1RB, Left Band Edge



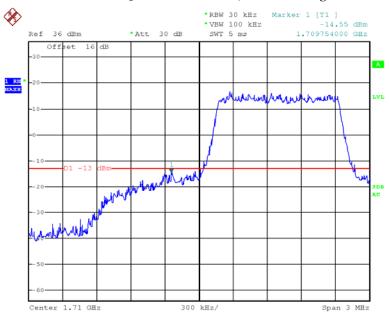
Date: 14.0CT.2015 23:54:51

16QAM -1.4M 1RB, Right Band Edge



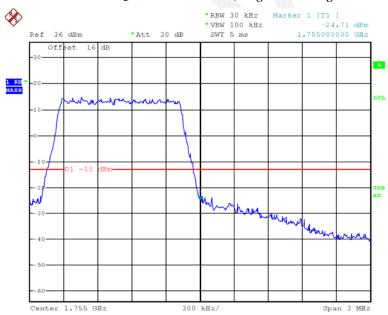
Date: 15.0CT.2015 00:09:30

16QAM -1.4M Full RB, Left Band Edge



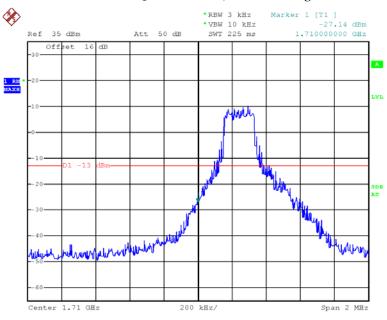
Date: 15.0CT.2015 00:03:34

16QAM -1.4M Full RB, Right Band Edge



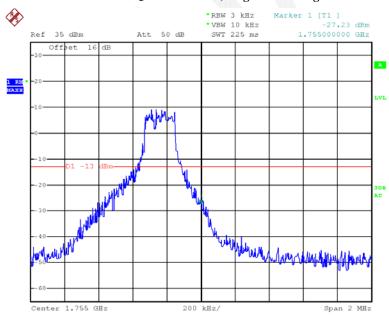
Date: 15.0CT.2015 00:06:47

16QAM -3M 1RB, Left Band Edge



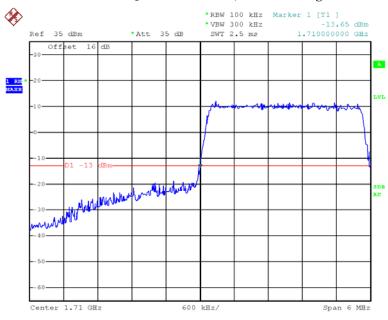
Date: 15.0CT.2015 21:48:15

16QAM -3M 1RB, Right Band Edge



Date: 15.0CT.2015 21:54:17

16QAM -3M Full RB, Left Band Edge



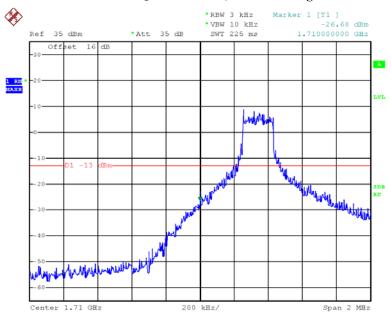
Date: 15.0CT.2015 22:07:23

16QAM -3M Full RB, Right Band Edge



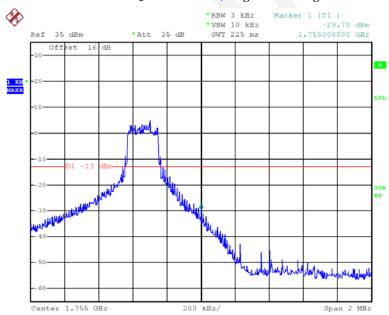
Date: 15.0CT.2015 22:05:34

16QAM -5M 1RB, Left Band Edge



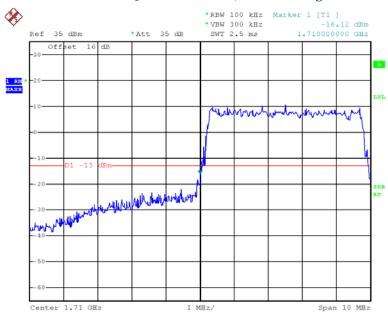
Date: 15.0CT.2015 22:20:42

16QAM -5M 1RB, Right Band Edge



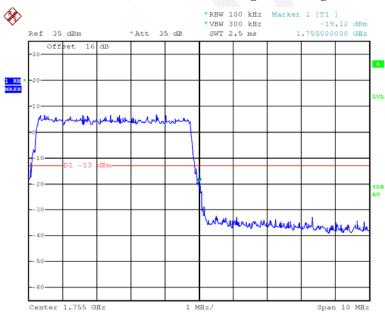
Date: 15.0CT.2015 22:18:54

16QAM -5M Full RB, Left Band Edge



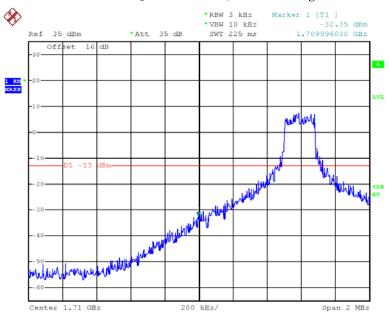
Date: 15.0CT.2015 22:13:30

16QAM -5M Full RB, Right Band Edge



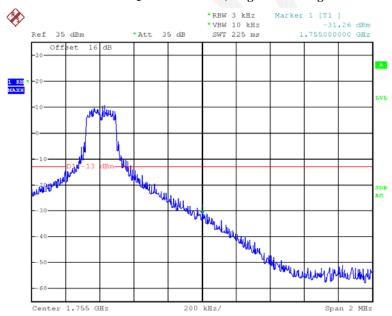
Date: 15.0CT.2015 22:16:18

16QAM -10M 1RB, Left Band Edge



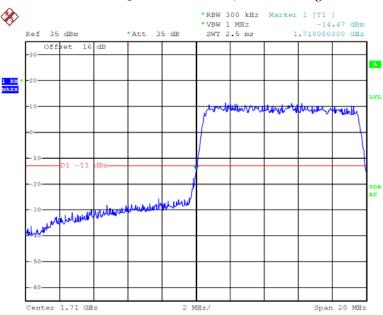
Date: 15.0CT.2015 22:27:56

16QAM -10M 1RB, Right Band Edge



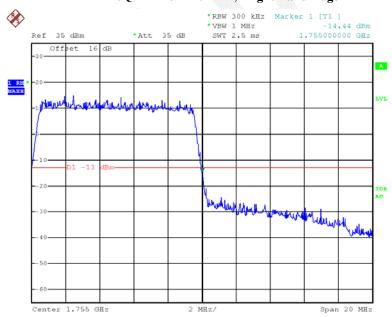
Date: 15.0CT.2015 22:32:02

16QAM -10M Full RB, Left Band Edge



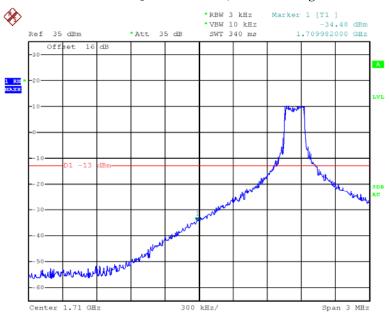
Date: 15.0CT.2015 22:42:12

16QAM -10M Full RB, Right Band Edge



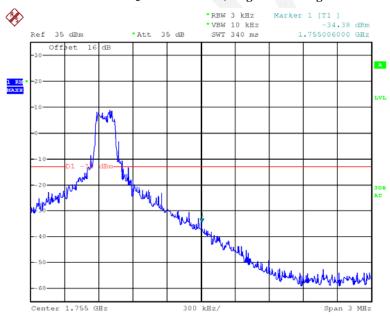
Date: 15.0CT.2015 22:35:14

16QAM -15M 1RB, Left Band Edge



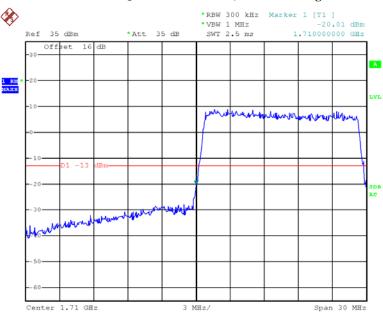
Date: 15.0CT.2015 22:59:33

16QAM -15M 1RB, Right Band Edge



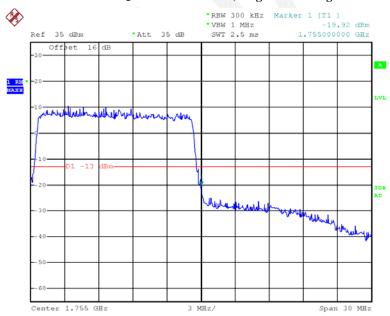
Date: 15.0CT.2015 22:56:50

16QAM -15M Full RB, Left Band Edge



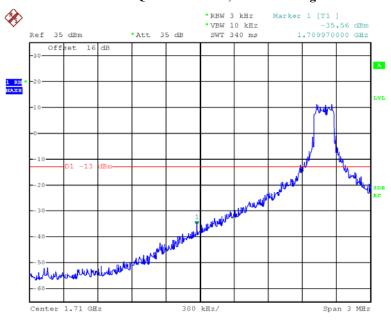
Date: 15.0CT.2015 22:49:34

16QAM -15M Full RB, Right Band Edge



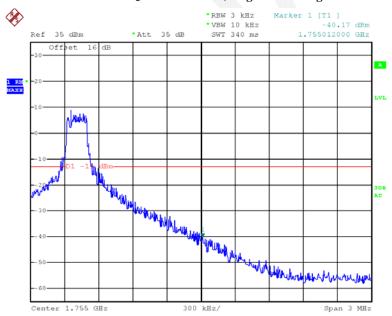
Date: 15.0CT.2015 22:52:23

16QAM -20M 1RB, Left Band Edge



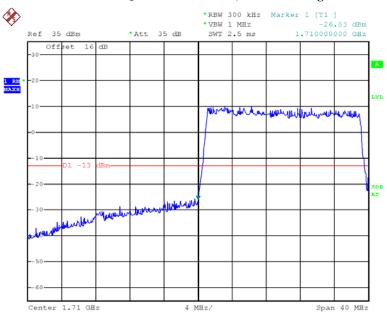
Date: 15.0CT.2015 23:03:22

16QAM -20M 1RB, Right Band Edge



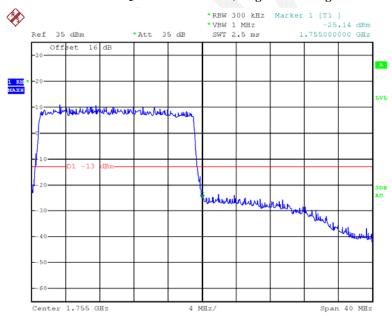
Date: 15.0CT.2015 23:05:52

16QAM -20M Full RB, Left Band Edge



Date: 15.0CT.2015 23:10:36

16QAM-20M Full RB, Right Band Edge



Date: 15.0CT.2015 23:09:01

FCC §2.1055, §22.355 & §24.235 & §27.54 - FREQUENCY STABILITY

Applicable Standard

FCC § 2.1055 (a), § 2.1055 (d), §22.355, §24.235, §27.54

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

| | | | _ | | | | |
|------------|-----------|----------|-------------|----------|--------|---------|-----------|
| Frequency | Tolerance | for T | ransmitters | in the | Public | Mohile | Services |
| riculucite | I Oldiand | . 1()1 1 | таныницыз | III LIIC | i umic | IVIOLIL | DUI VICUS |

| Frequency Range (MHz) | Base, fixed (ppm) | Mobile > 3 watts (ppm) | Mobile ≤ 3 watts (ppm) |
|--------------------------|-------------------|------------------------|------------------------|
| 25 to 50 | 20.0 | 20.0 | 50.0 |
| 50 to 450 | 5.0 | 5.0 | 50.0 |
| 450 to 512 | 2.5 | 5.0 | 5.0 |
| 821 to 896 | 1.5 | 2.5 | 2.5 |
| 928 to 929. | 5.0 | N/A | N/A |
| 929 to 960. | 1.5 | N/A | N/A |
| 2110 to 2220 | 10.0 | N/A | N/A |

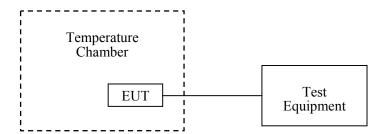
According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: An external variable DC power supply was connected to the battery terminals of the equipment under test. The voltage was set from 85% to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the battery end point. The output frequency was recorded for each battery voltage.



Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|---|--------|------------------|---------------------|-------------------------|
| Dongzhixu | High Temperature Test Chamber | DP1000 | 201105083-3 | 2015-09-10 | 2016-09-09 |
| R&S | Universal Radio Communication Tester | CMU200 | 109 038 | 2015-05-09 | 2016-05-09 |
| R&S | Wideband Radio Communication Tester | CMW500 | 106891 | 2014-12-19 | 2015-12-19 |

^{*} Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

| Temperature: | 26.6~27.1 °C |
|--------------------|-----------------|
| Relative Humidity: | 51~54 % |
| ATM Pressure: | 100.2~100.8 kPa |

The testing was performed by Dean Liu from 2015-10-16 to 2015-10-28.

Cellular Band (Part 22H)

| GMSK, Middle Channel, f _c = 836.6 MHz | | | | | |
|--|----------|--------------------|--------------------|-------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Limit | |
| | V_{DC} | Hz | ppm | ppm | |
| -30 | 3.8 | -13 | -0.016 | 2.5 | |
| -20 | 3.8 | -14 | -0.017 | 2.5 | |
| -10 | 3.8 | -12 | -0.014 | 2.5 | |
| 0 | 3.8 | -18 | -0.022 | 2.5 | |
| 10 | 3.8 | -16 | -0.019 | 2.5 | |
| 20 | 3.8 | -11 | -0.013 | 2.5 | |
| 30 | 3.8 | -15 | -0.018 | 2.5 | |
| 40 | 3.8 | -18 | -0.022 | 2.5 | |
| 50 | 3.8 | -10 | -0.012 | 2.5 | |
| 25 | 3.6 | -11 | -0.013 | 2.5 | |
| 25 | 4.3 | -18 | -0.022 | 2.5 | |

| EDGE, Middle Channel, f _c = 836.6 MHz | | | | | |
|--|----------|--------------------|--------------------|-------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Limit | |
| | V_{DC} | Hz | ppm | ppm | |
| -30 | 3.8 | -15 | -0.018 | 2.5 | |
| -20 | 3.8 | -16 | -0.019 | 2.5 | |
| -10 | 3.8 | -12 | -0.014 | 2.5 | |
| 0 | 3.8 | -11 | -0.013 | 2.5 | |
| 10 | 3.8 | -13 | -0.016 | 2.5 | |
| 20 | 3.8 | -14 | -0.017 | 2.5 | |
| 30 | 3.8 | -17 | -0.020 | 2.5 | |
| 40 | 3.8 | -18 | -0.022 | 2.5 | |
| 50 | 3.8 | -22 | -0.026 | 2.5 | |
| 25 | 3.6 | -11 | -0.013 | 2.5 | |
| 25 | 4.3 | -16 | -0.019 | 2.5 | |

WCDMA Band V: Re199

| | Middle Channel, f _c = 836.6 MHz | | | | | |
|-------------|--|--------------------|--------------------|-------|--|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Limit | | |
| | V_{DC} | Hz | ppm | ppm | | |
| -30 | 3.8 | -17 | -0.020 | 2.5 | | |
| -20 | 3.8 | -15 | -0.018 | 2.5 | | |
| -10 | 3.8 | -13 | -0.016 | 2.5 | | |
| 0 | 3.8 | -18 | -0.022 | 2.5 | | |
| 10 | 3.8 | -22 | -0.026 | 2.5 | | |
| 20 | 3.8 | -19 | -0.023 | 2.5 | | |
| 30 | 3.8 | -15 | -0.018 | 2.5 | | |
| 40 | 3.8 | -11 | -0.013 | 2.5 | | |
| 50 | 3.8 | -19 | -0.023 | 2.5 | | |
| 25 | 3.6 | -15 | -0.018 | 2.5 | | |
| 25 | 4.3 | -18 | -0.022 | 2.5 | | |

| Middle Channel, f _c = 836.6 MHz | | | | |
|--|----------|--------------------|--------------------|-------|
| Temperature | Voltage | Frequency Error | Frequency Error | Limit |
| | V_{DC} | Hz | ppm | ppm |
| -30 | 3.8 | -13 | -0.016 | 2.5 |
| -20 | 3.8 | -20 | -0.024 | 2.5 |
| -10 | 3.8 | -10 | -0.012 | 2.5 |
| 0 | 3.8 | -17 | -0.020 | 2.5 |
| 10 | 3.8 | -11 | -0.013 | 2.5 |
| 20 | 3.8 | -14 | -0.017 | 2.5 |
| 30 | 3.8 | -18 | -0.022 | 2.5 |
| 40 | 3.8 | -15 | -0.018 | 2.5 |
| 50 | 3.8 | -12 | -0.014 | 2.5 |
| 25 | 3.6 | -20 | -0.024 | 2.5 |
| 25 | 4.3 | -16 | -0.019 | 2.5 |

WCDMA Band V: HSUPA

| Middle Channel, f _c = 836.6 MHz | | | | | |
|--|----------|--------------------|--------------------|-------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Limit | |
| | V_{DC} | Hz | ppm | ppm | |
| -30 | 3.8 | -22 | -0.026 | 2.5 | |
| -20 | 3.8 | -15 | -0.018 | 2.5 | |
| -10 | 3.8 | -20 | -0.024 | 2.5 | |
| 0 | 3.8 | -12 | -0.014 | 2.5 | |
| 10 | 3.8 | -14 | -0.017 | 2.5 | |
| 20 | 3.8 | -16 | -0.019 | 2.5 | |
| 30 | 3.8 | -21 | -0.025 | 2.5 | |
| 40 | 3.8 | -15 | -0.018 | 2.5 | |
| 50 | 3.8 | -19 | -0.023 | 2.5 | |
| 25 | 3.6 | -14 | -0.017 | 2.5 | |
| 25 | 4.3 | -17 | -0.020 | 2.5 | |

PCS Band (Part 24E)

| | GMSK, Middle Channel, f _c = 1880.0 MHz | | | | | |
|-------------|---|--------------------|--------------------|------------|--|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Result | | |
| | V_{DC} | Hz | ppm | | | |
| -30 | 3.8 | -14 | -0.007 | Compliance | | |
| -20 | 3.8 | -19 | -0.010 | Compliance | | |
| -10 | 3.8 | -16 | -0.009 | Compliance | | |
| 0 | 3.8 | -22 | -0.012 | Compliance | | |
| 10 | 3.8 | -12 | -0.006 | Compliance | | |
| 20 | 3.8 | -20 | -0.011 | Compliance | | |
| 30 | 3.8 | -17 | -0.009 | Compliance | | |
| 40 | 3.8 | -16 | -0.009 | Compliance | | |
| 50 | 3.8 | -15 | -0.008 | Compliance | | |
| 25 | 3.6 | -22 | -0.012 | Compliance | | |
| 25 | 4.3 | -11 | -0.006 | Compliance | | |

| | EDGE, Middle Channel, $f_c = 1880.0 \text{ MHz}$ | | | | | |
|-------------|--|--------------------|--------------------|------------|--|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Result | | |
| | V_{DC} | Hz | ppm | | | |
| -30 | 3.8 | -16 | -0.009 | Compliance | | |
| -20 | 3.8 | -17 | -0.009 | Compliance | | |
| -10 | 3.8 | -16 | -0.009 | Compliance | | |
| 0 | 3.8 | -15 | -0.008 | Compliance | | |
| 10 | 3.8 | -17 | -0.009 | Compliance | | |
| 20 | 3.8 | -20 | -0.011 | Compliance | | |
| 30 | 3.8 | -24 | -0.013 | Compliance | | |
| 40 | 3.8 | -14 | -0.007 | Compliance | | |
| 50 | 3.8 | -11 | -0.006 | Compliance | | |
| 25 | 3.6 | -18 | -0.010 | Compliance | | |
| 25 | 4.3 | -21 | -0.011 | Compliance | | |

| Middle Channel, f _c = 1880.0 MHz | | | | | |
|---|-----------------|--------------------|--------------------|------------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Result | |
| | V _{DC} | Hz | ppm | | |
| -30 | 3.8 | -15 | -0.008 | Compliance | |
| -20 | 3.8 | -11 | -0.006 | Compliance | |
| -10 | 3.8 | -12 | -0.006 | Compliance | |
| 0 | 3.8 | -15 | -0.008 | Compliance | |
| 10 | 3.8 | -18 | -0.010 | Compliance | |
| 20 | 3.8 | -20 | -0.011 | Compliance | |
| 30 | 3.8 | -11 | -0.006 | Compliance | |
| 40 | 3.8 | -16 | -0.009 | Compliance | |
| 50 | 3.8 | -23 | -0.012 | Compliance | |
| 25 | 3.6 | -12 | -0.006 | Compliance | |
| 25 | 4.3 | -17 | -0.009 | Compliance | |

WCDMA Band II: HSDPA

| | Middle Channel, f _c = 1880.0 MHz | | | | |
|-------------|---|--------------------|--------------------|------------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Result | |
| | V_{DC} | Hz | ppm | | |
| -30 | 3.8 | -12 | -0.006 | Compliance | |
| -20 | 3.8 | -16 | -0.009 | Compliance | |
| -10 | 3.8 | -19 | -0.010 | Compliance | |
| 0 | 3.8 | -15 | -0.008 | Compliance | |
| 10 | 3.8 | -10 | -0.005 | Compliance | |
| 20 | 3.8 | -18 | -0.010 | Compliance | |
| 30 | 3.8 | -13 | -0.007 | Compliance | |
| 40 | 3.8 | -14 | -0.007 | Compliance | |
| 50 | 3.8 | -16 | -0.009 | Compliance | |
| 25 | 3.6 | -10 | -0.005 | Compliance | |
| 25 | 4.3 | -15 | -0.008 | Compliance | |

| Middle Channel, f _c = 1880.0 MHz | | | | |
|---|----------|--------------------|--------------------|------------|
| Temperature | Voltage | Frequency Error | Frequency Error | Result |
| | V_{DC} | Hz | ppm | |
| -30 | 3.8 | -15 | -0.008 | Compliance |
| -20 | 3.8 | -13 | -0.007 | Compliance |
| -10 | 3.8 | -17 | -0.009 | Compliance |
| 0 | 3.8 | -15 | -0.008 | Compliance |
| 10 | 3.8 | -18 | -0.010 | Compliance |
| 20 | 3.8 | -12 | -0.006 | Compliance |
| 30 | 3.8 | -11 | -0.006 | Compliance |
| 40 | 3.8 | -18 | -0.010 | Compliance |
| 50 | 3.8 | -13 | -0.007 | Compliance |
| 25 | 3.6 | -16 | -0.009 | Compliance |
| 25 | 4.3 | -14 | -0.007 | Compliance |

WCDMA Band IV: Re199

| Middle Channel, f _c = 1732.6 MHz | | | | | |
|---|----------|--------------------|--------------------|------------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Result | |
| | V_{DC} | Hz | ppm | | |
| -30 | 3.8 | -18 | -0.010 | Compliance | |
| -20 | 3.8 | -13 | -0.008 | Compliance | |
| -10 | 3.8 | -16 | -0.009 | Compliance | |
| 0 | 3.8 | -12 | -0.007 | Compliance | |
| 10 | 3.8 | -15 | -0.009 | Compliance | |
| 20 | 3.8 | -19 | -0.011 | Compliance | |
| 30 | 3.8 | -23 | -0.013 | Compliance | |
| 40 | 3.8 | -17 | -0.010 | Compliance | |
| 50 | 3.8 | 20 | 0.012 | Compliance | |
| 25 | 3.6 | -22 | -0.013 | Compliance | |
| 25 | 4.3 | -14 | -0.008 | Compliance | |

WCDMA Band IV: HSDPA

| Middle Channel, f _c = 1732.6 MHz | | | | |
|---|-----------------|--------------------|--------------------|------------|
| Temperature | Voltage | Frequency Error | Frequency Error | Result |
| | V _{DC} | Hz | ppm | |
| -30 | 3.8 | -15 | -0.009 | Compliance |
| -20 | 3.8 | -19 | -0.011 | Compliance |
| -10 | 3.8 | -13 | -0.008 | Compliance |
| 0 | 3.8 | -18 | -0.010 | Compliance |
| 10 | 3.8 | -21 | -0.012 | Compliance |
| 20 | 3.8 | -12 | -0.007 | Compliance |
| 30 | 3.8 | -17 | -0.010 | Compliance |
| 40 | 3.8 | -14 | -0.008 | Compliance |
| 50 | 3.8 | -16 | -0.009 | Compliance |
| 25 | 3.6 | -11 | -0.006 | Compliance |
| 25 | 4.3 | -20 | -0.012 | Compliance |

WCDMA Band IV: HSUPA

| Middle Channel, f _c = 1732.6 MHz | | | | |
|---|----------|--------------------|--------------------|------------|
| Temperature | Voltage | Frequency Error | Frequency Error | Result |
| | V_{DC} | Hz | ppm | |
| -30 | 3.8 | -13 | -0.008 | Compliance |
| -20 | 3.8 | -17 | -0.010 | Compliance |
| -10 | 3.8 | -21 | -0.012 | Compliance |
| 0 | 3.8 | -15 | -0.009 | Compliance |
| 10 | 3.8 | -23 | -0.013 | Compliance |
| 20 | 3.8 | -16 | -0.009 | Compliance |
| 30 | 3.8 | -11 | -0.006 | Compliance |
| 40 | 3.8 | -19 | -0.011 | Compliance |
| 50 | 3.8 | -20 | -0.012 | Compliance |
| 25 | 3.6 | -18 | -0.010 | Compliance |
| 25 | 4.3 | -12 | -0.007 | Compliance |

LTE Band 2:

| QPSK, Channel Bandwidth:10MHz Middle Channel, f _c = 1880 MHz | | | | | |
|--|-----------------|--------------------|--------------------|------------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Result | |
| | V _{DC} | Hz | ppm | | |
| -30 | 3.8 | 12.55 | 0.0067 | Compliance | |
| -20 | 3.8 | 1142 | 0.6074 | Compliance | |
| -10 | 3.8 | 9.8 | 0.0052 | Compliance | |
| 0 | 3.8 | 8.86 | 0.0047 | Compliance | |
| 10 | 3.8 | 11.06 | 0.0059 | Compliance | |
| 20 | 3.8 | 11.08 | 0.0059 | Compliance | |
| 30 | 3.8 | 8.02 | 0.0043 | Compliance | |
| 40 | 3.8 | 10.32 | 0.0055 | Compliance | |
| 50 | 3.8 | 10.22 | 0.0054 | Compliance | |
| 25 | 3.6 | 6.69 | 0.0036 | Compliance | |
| 25 | 4.3 | 8.25 | 0.0044 | Compliance | |

| | 16QAM, Channel Bandwidth:10MHz | | | | | |
|-------------|---|--------------------|--------------------|------------|--|--|
| | Middle Channel, f _c = 1880 MHz | | | | | |
| Temperature | Voltage | Frequency Error | Frequency Error | Result | | |
| | V _{DC} | Hz | ppm | | | |
| -30 | 3.8 | 19.84 | 0.0106 | Compliance | | |
| -20 | 3.8 | 19.04 | 0.0101 | Compliance | | |
| -10 | 3.8 | 18.67 | 0.0099 | Compliance | | |
| 0 | 3.8 | 18.57 | 0.0099 | Compliance | | |
| 10 | 3.8 | 17.53 | 0.0093 | Compliance | | |
| 20 | 3.8 | 16.97 | 0.0090 | Compliance | | |
| 30 | 3.8 | 17.08 | 0.0091 | Compliance | | |
| 40 | 3.8 | 18.95 | 0.0101 | Compliance | | |
| 50 | 3.8 | 18.33 | 0.0098 | Compliance | | |
| 25 | 3.6 | 16.34 | 0.0087 | Compliance | | |
| 25 | 4.3 | 17.67 | 0.0094 | Compliance | | |

LTE Band 4:

| QPSK, Channel Bandwidth:10MHz Middle Channel, f _c = 1732.5 MHz | | | | | |
|--|-----------------|--------------------|--------------------|------------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Result | |
| | V _{DC} | Hz | ppm | | |
| -30 | 3.8 | -22.46 | -0.0130 | Compliance | |
| -20 | 3.8 | -20.38 | -0.0118 | Compliance | |
| -10 | 3.8 | -22.43 | -0.0129 | Compliance | |
| 0 | 3.8 | -21.07 | -0.0122 | Compliance | |
| 10 | 3.8 | -18.88 | -0.0109 | Compliance | |
| 20 | 3.8 | -16.99 | -0.0098 | Compliance | |
| 30 | 3.8 | -16.91 | -0.0098 | Compliance | |
| 40 | 3.8 | -18.29 | -0.0106 | Compliance | |
| 50 | 3.8 | -20.32 | -0.0117 | Compliance | |
| 25 | 3.6 | -18.67 | -0.0108 | Compliance | |
| 25 | 4.3 | -15.77 | -0.0091 | Compliance | |

| 16QAM, Channel Bandwidth:10MHz Middle Channel, f _c = 1732.5 MHz | | | | | |
|---|----------|--------------------|--------------------|------------|--|
| Temperature | Voltage | Frequency Error | Frequency Error | Result | |
| | V_{DC} | Hz | ppm | | |
| -30 | 3.8 | -17.58 | -0.0101 | Compliance | |
| -20 | 3.8 | -15.5 | -0.0089 | Compliance | |
| -10 | 3.8 | -15.56 | -0.0090 | Compliance | |
| 0 | 3.8 | -14.31 | -0.0083 | Compliance | |
| 10 | 3.8 | -14.17 | -0.0082 | Compliance | |
| 20 | 3.8 | -12.18 | -0.0070 | Compliance | |
| 30 | 3.8 | -12.06 | -0.0070 | Compliance | |
| 40 | 3.8 | -13.45 | -0.0078 | Compliance | |
| 50 | 3.8 | -15.6 | -0.0090 | Compliance | |
| 25 | 3.6 | -13.77 | -0.0079 | Compliance | |
| 25 | 4.3 | -11 | -0.0063 | Compliance | |

Note: The fundamental emissions stay within the authorized bands of operation based on the frequency deviation measured is small.

***** END OF REPORT *****