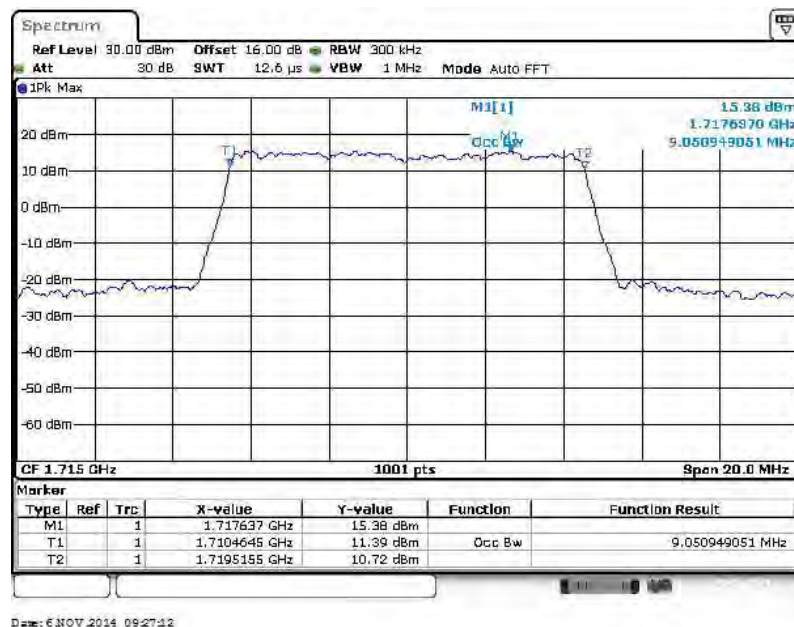
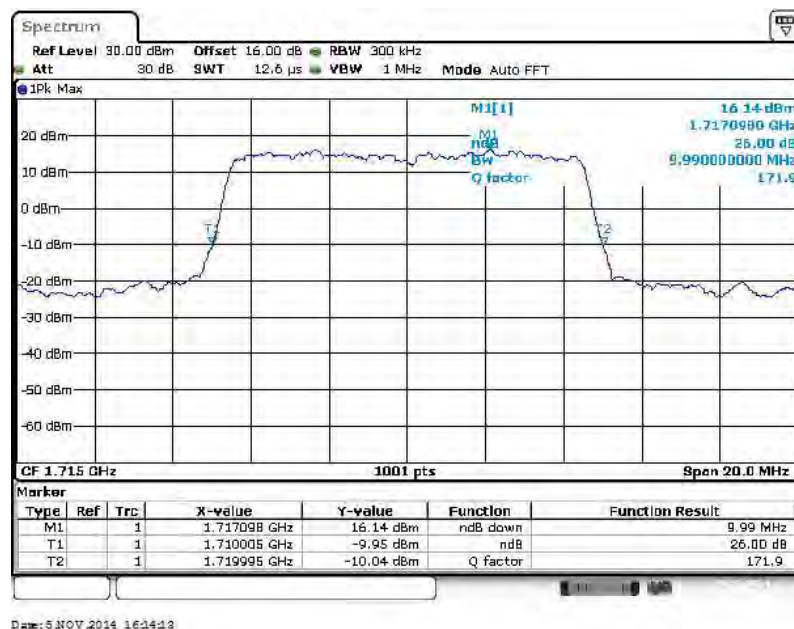


Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
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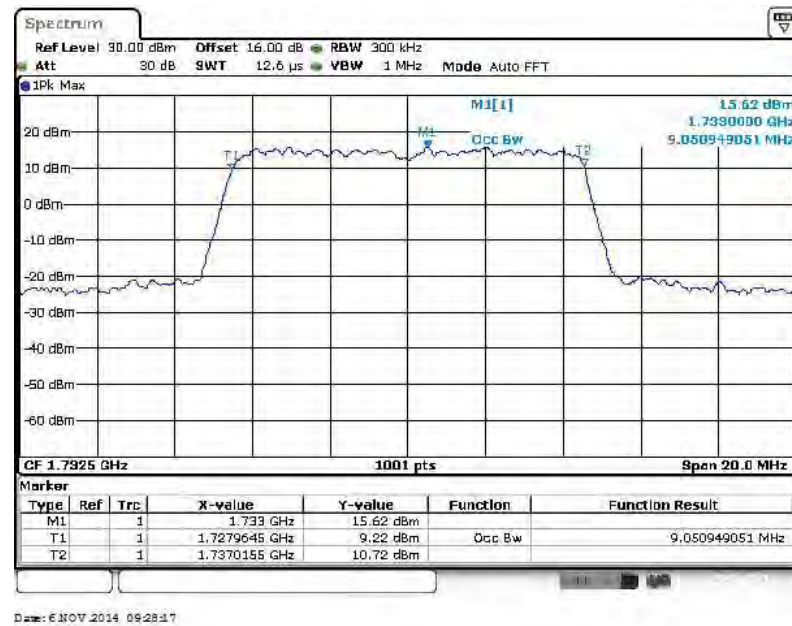
99% Occupied Bandwidth Plot on Channel 20000



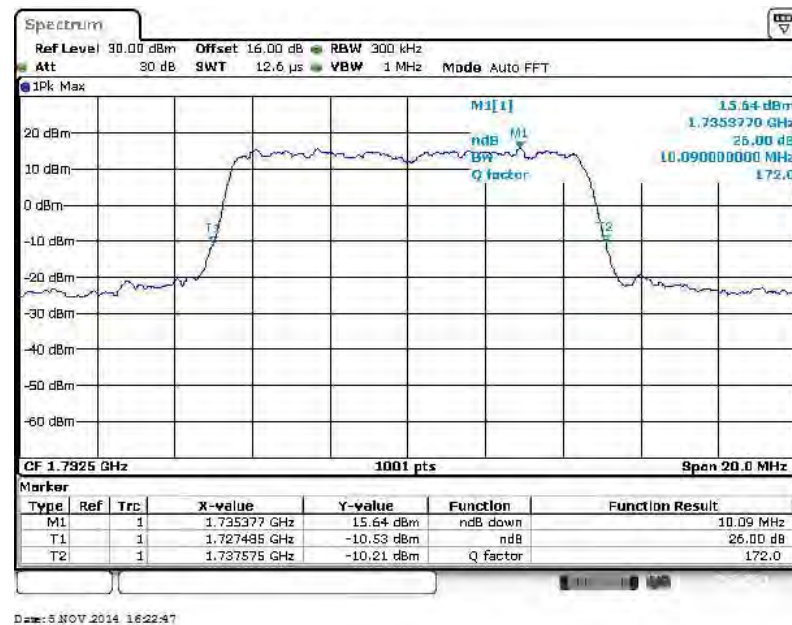
26dB Bandwidth Plot on Channel 20000



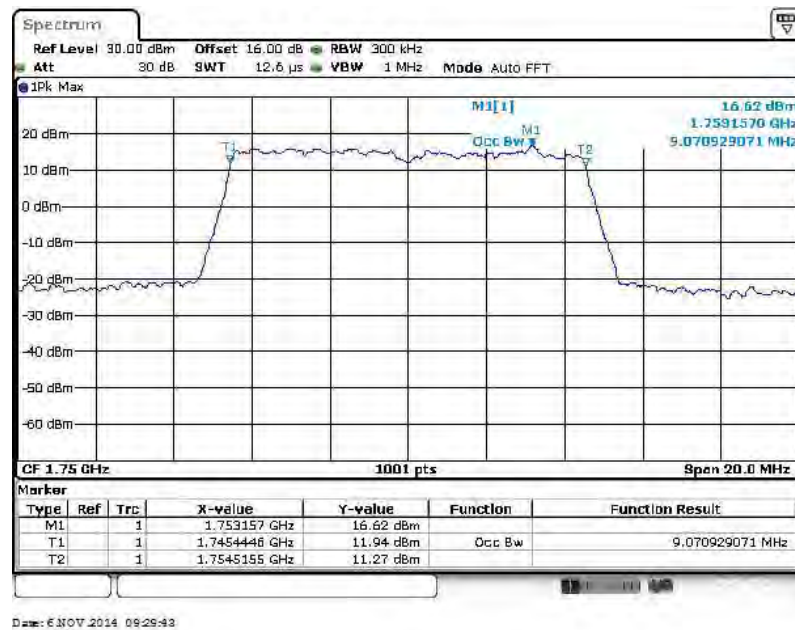
99% Occupied Bandwidth Plot on Channel 20175



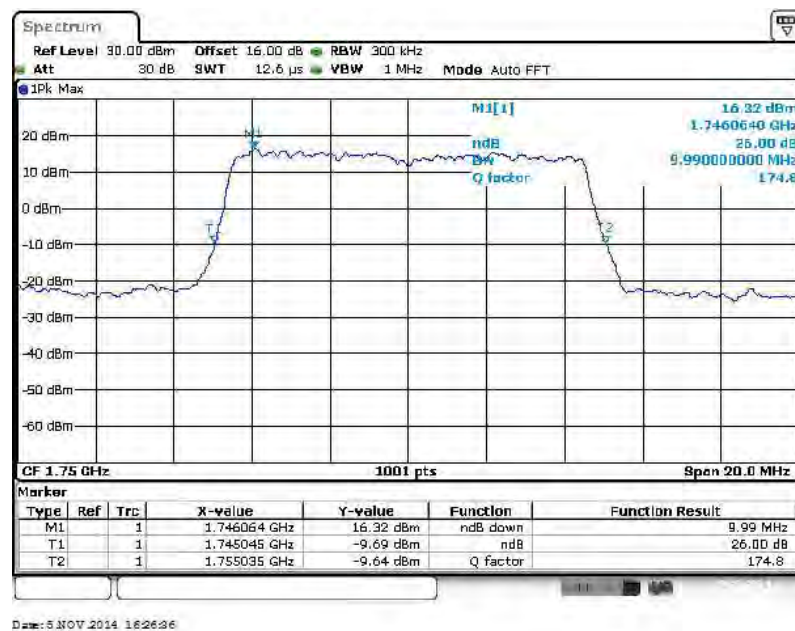
26dB Bandwidth Plot on Channel 20175



99% Occupied Bandwidth Plot on Channel 20350

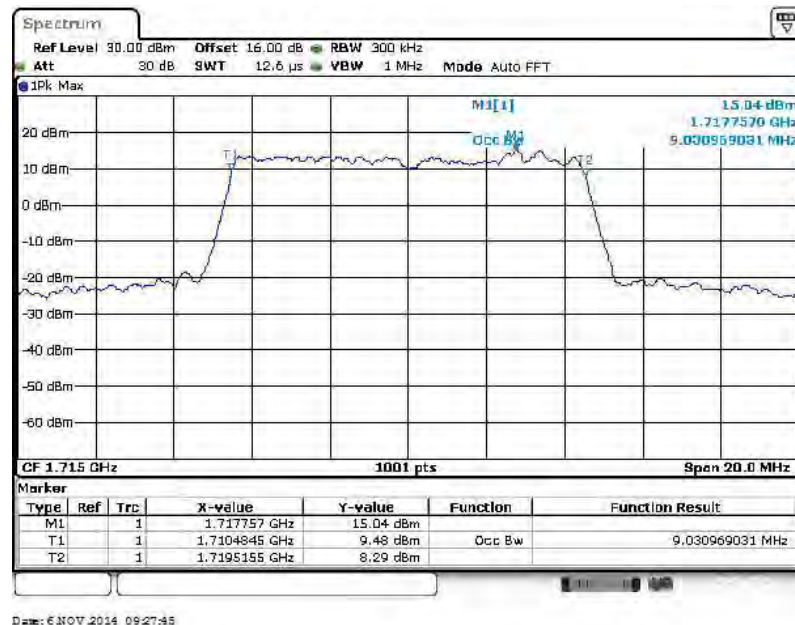


26dB Bandwidth Plot on Channel 20350

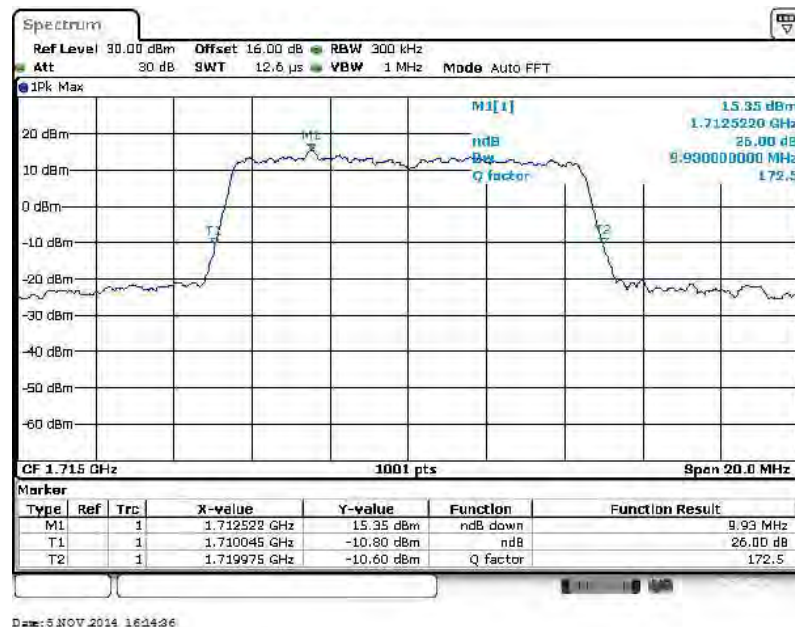


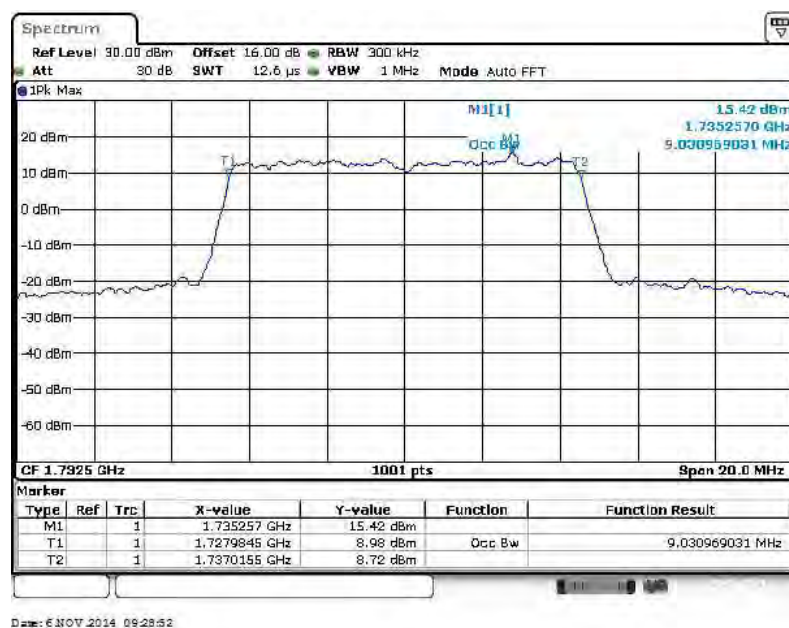
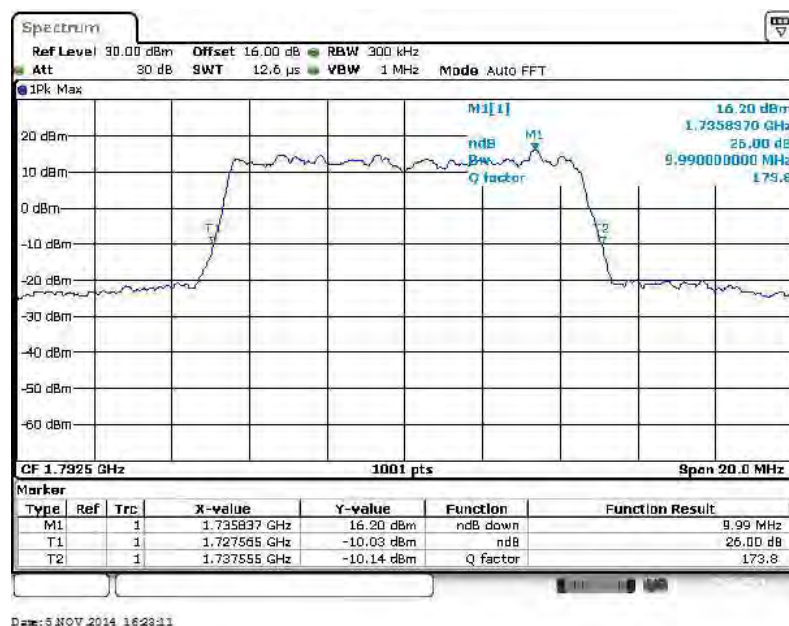
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
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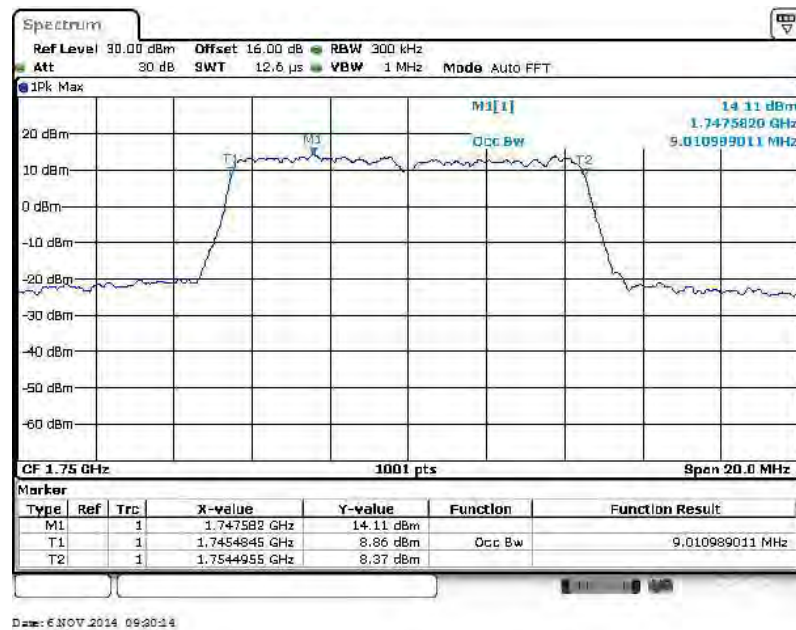
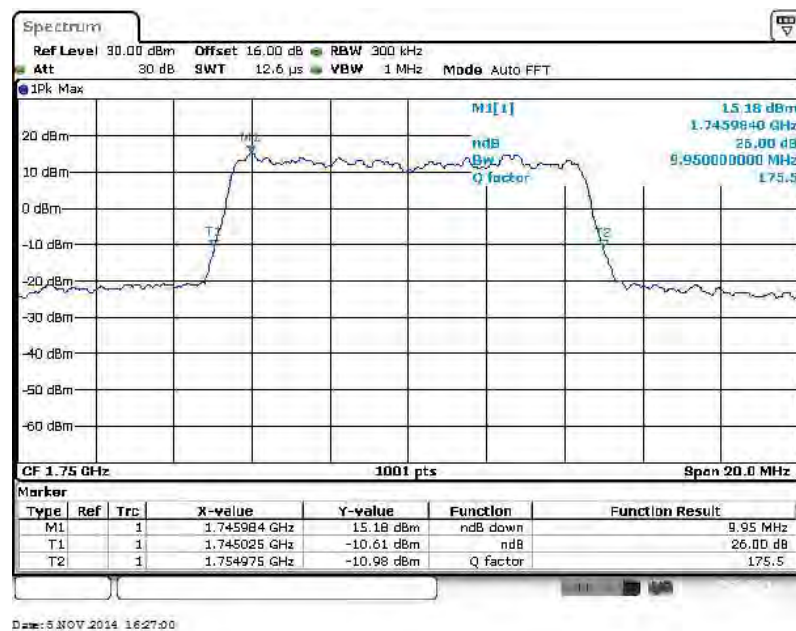
99% Occupied Bandwidth Plot on Channel 20000



26dB Bandwidth Plot on Channel 20000

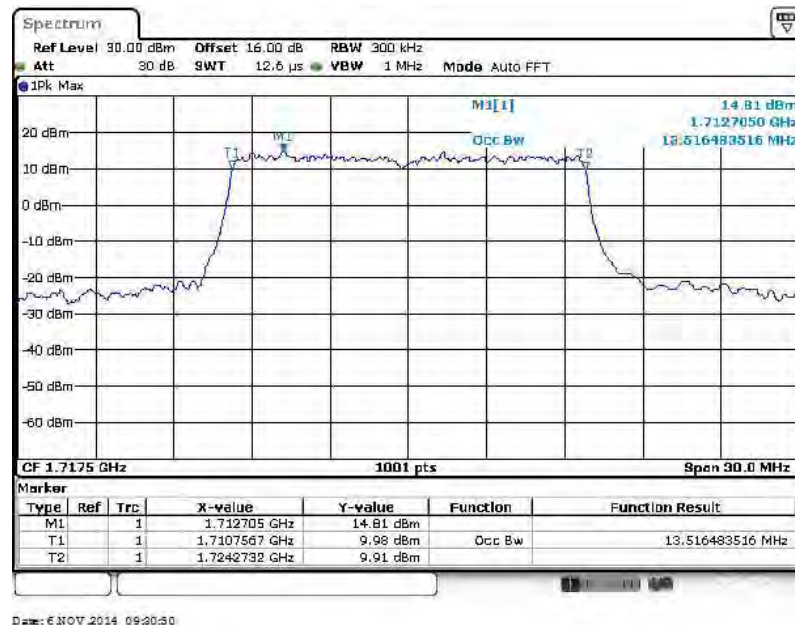


99% Occupied Bandwidth Plot on Channel 20175

26dB Bandwidth Plot on Channel 20175


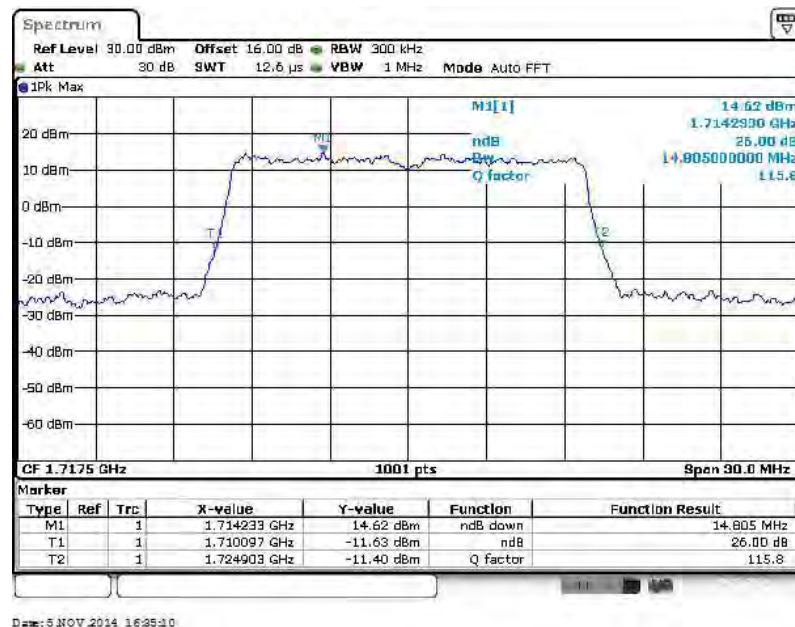
99% Occupied Bandwidth Plot on Channel 20350

26dB Bandwidth Plot on Channel 20350


Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
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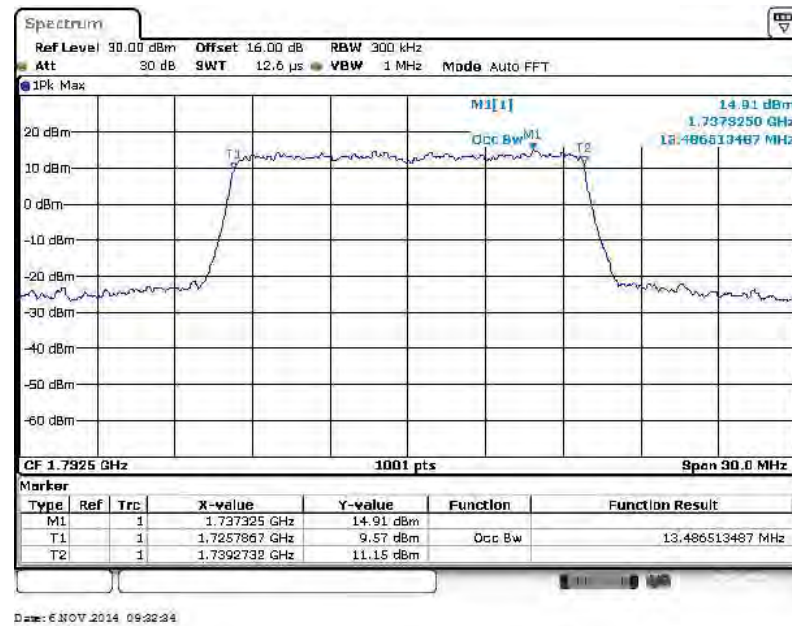
99% Occupied Bandwidth Plot on Channel 20025



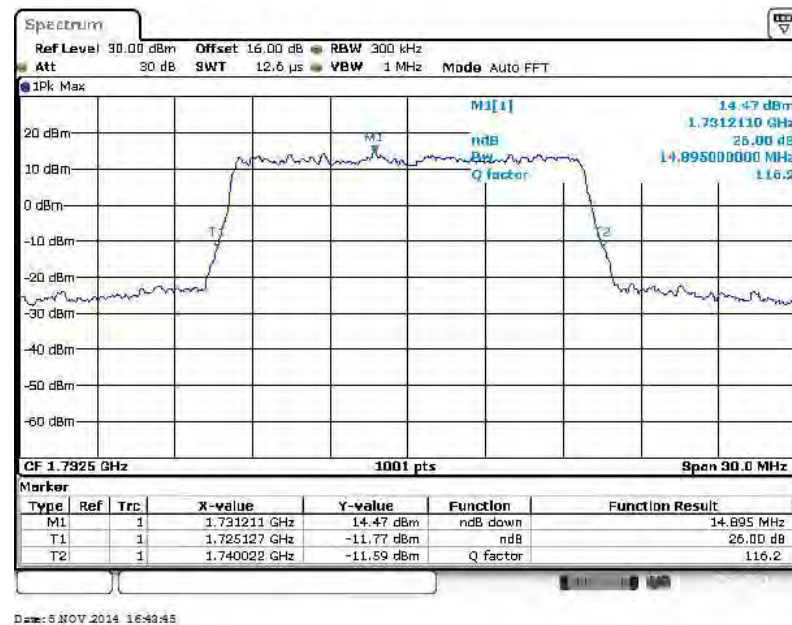
26dB Bandwidth Plot on Channel 20025



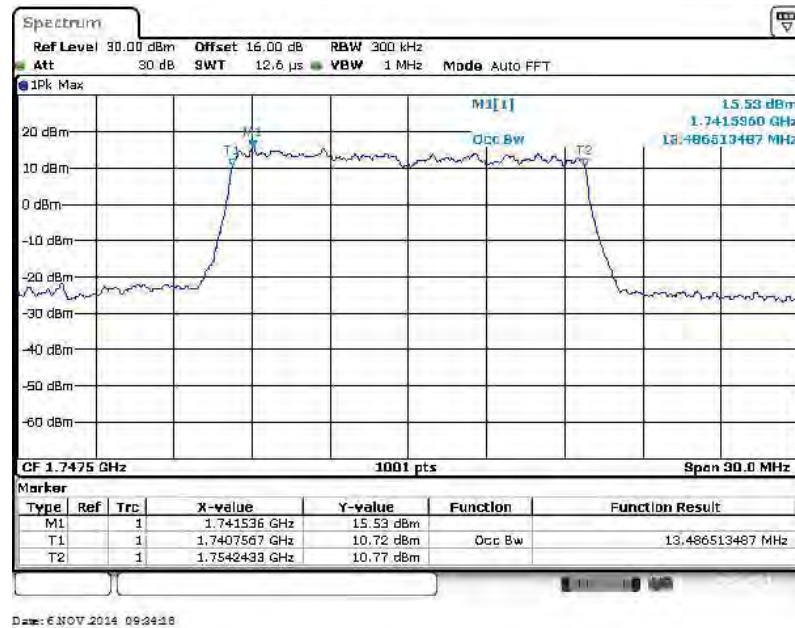
99% Occupied Bandwidth Plot on Channel 20175



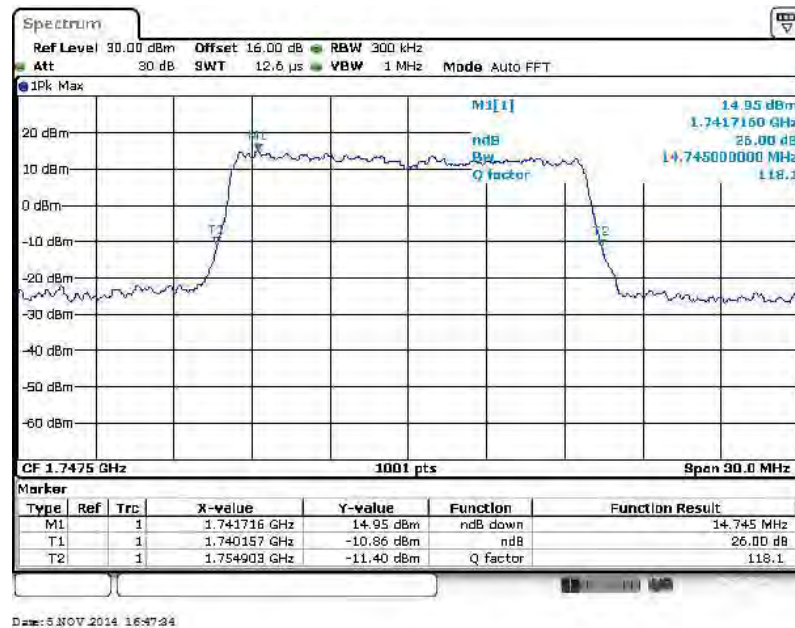
26dB Bandwidth Plot on Channel 20175



99% Occupied Bandwidth Plot on Channel 20325

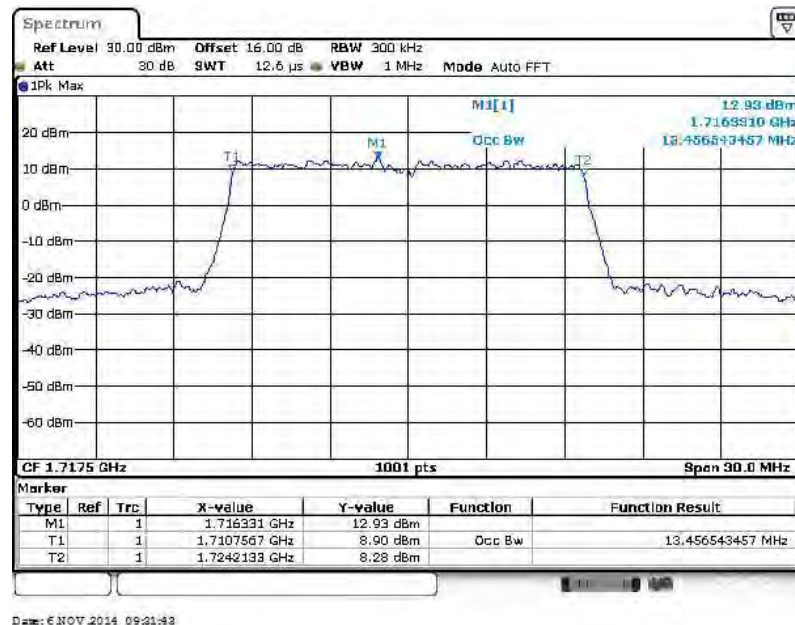


26dB Bandwidth Plot on Channel 20325

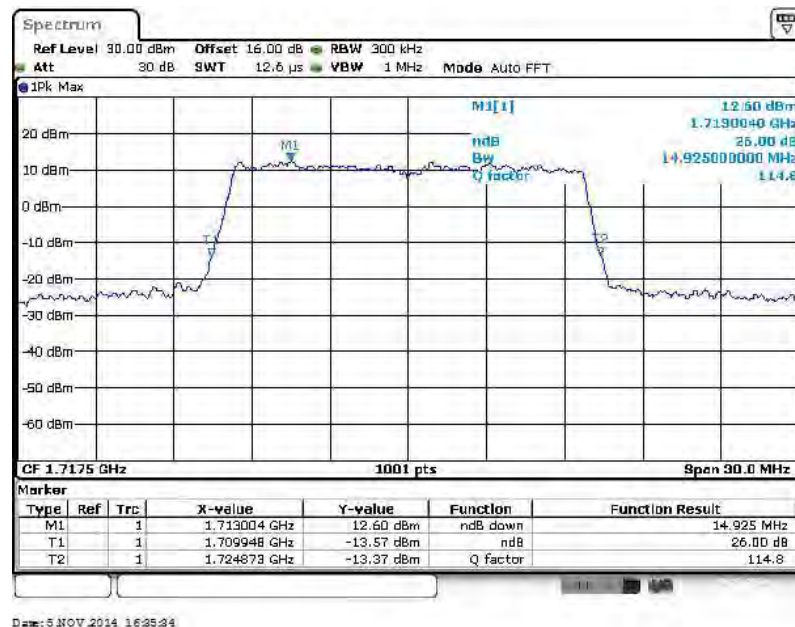


Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
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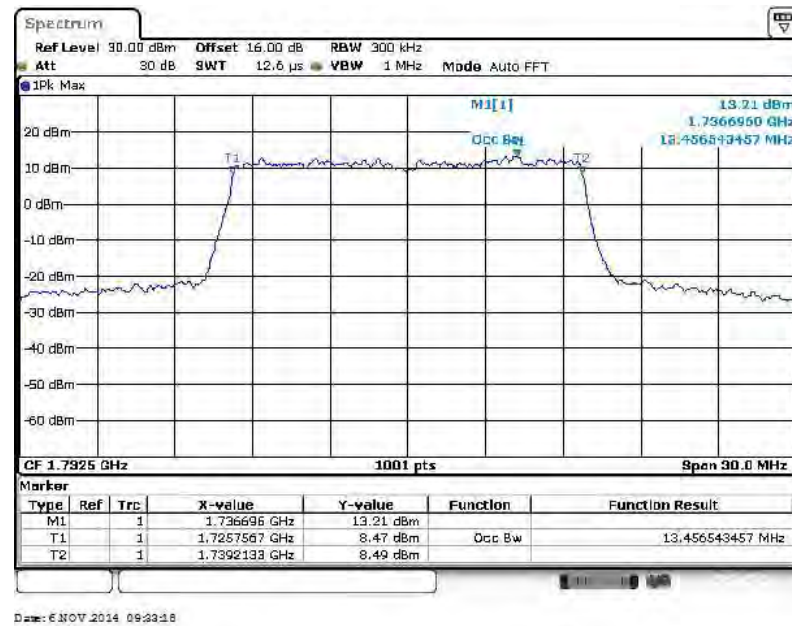
99% Occupied Bandwidth Plot on Channel 20025



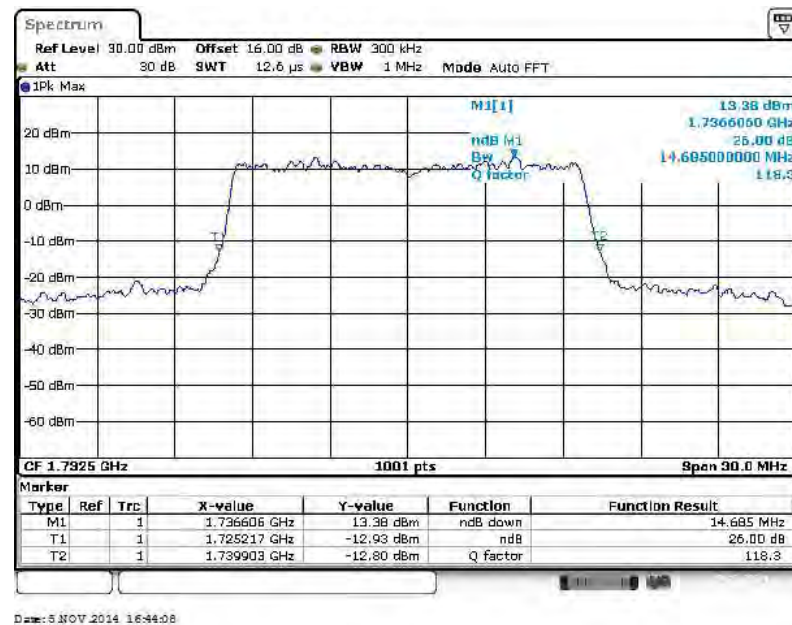
26dB Bandwidth Plot on Channel 20025



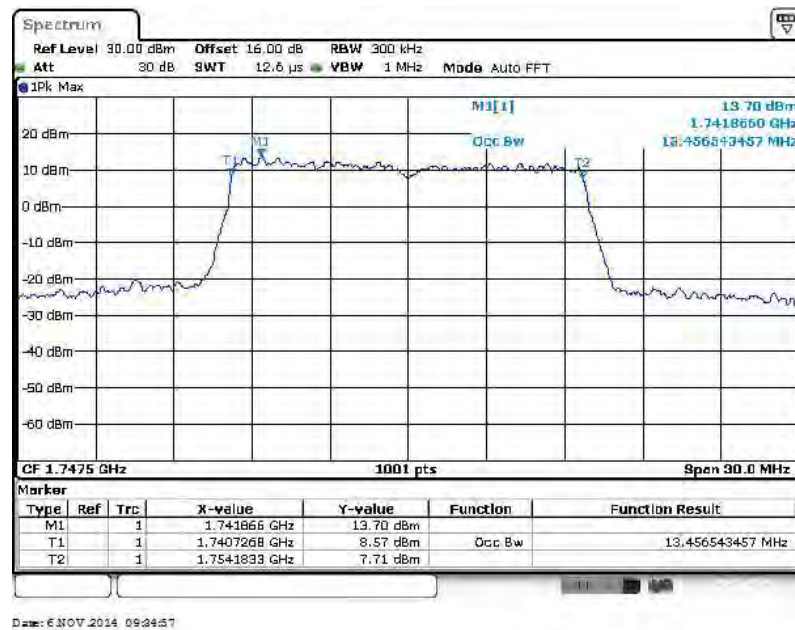
99% Occupied Bandwidth Plot on Channel 20175



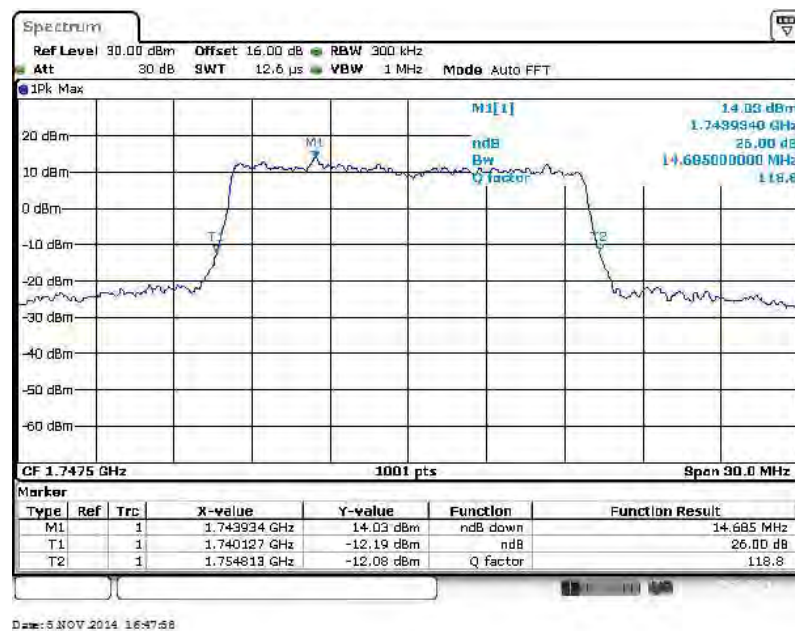
26dB Bandwidth Plot on Channel 20175



99% Occupied Bandwidth Plot on Channel 20325

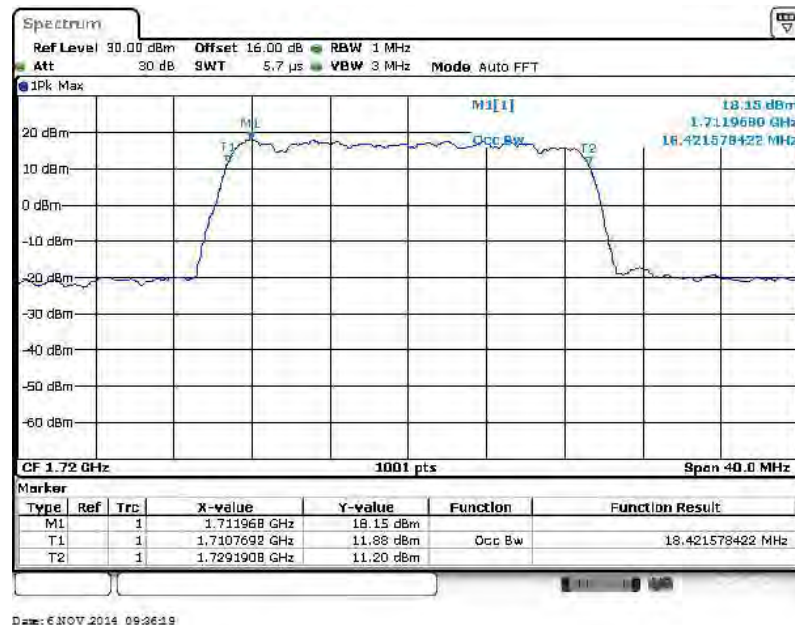


26dB Bandwidth Plot on Channel 20325

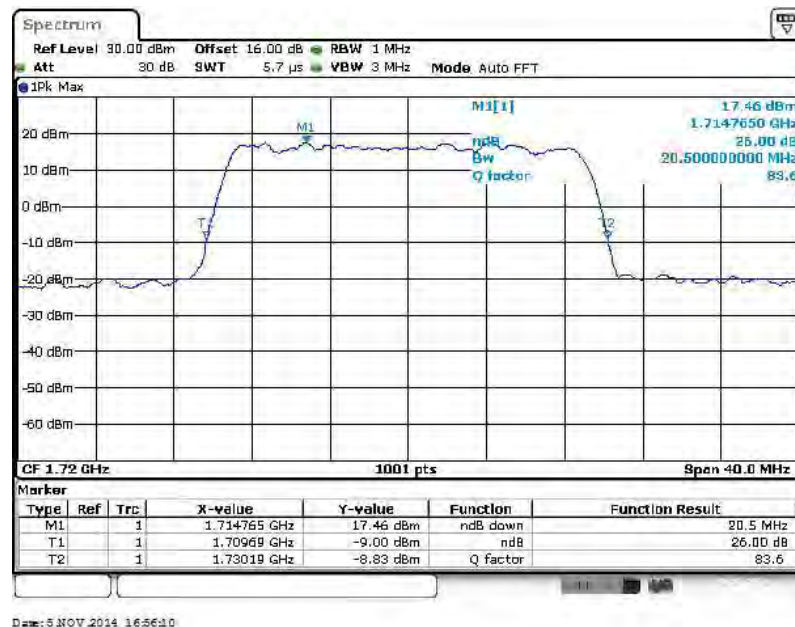


Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
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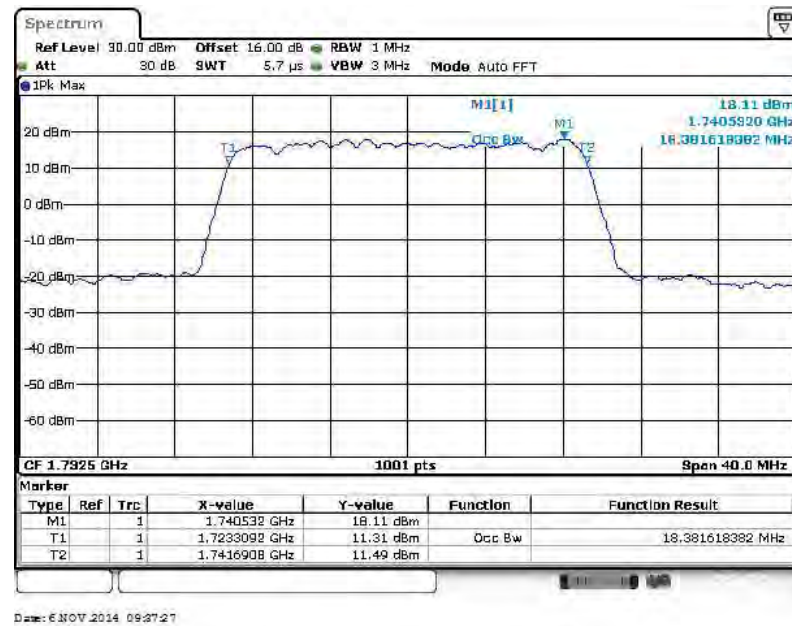
99% Occupied Bandwidth Plot on Channel 20050



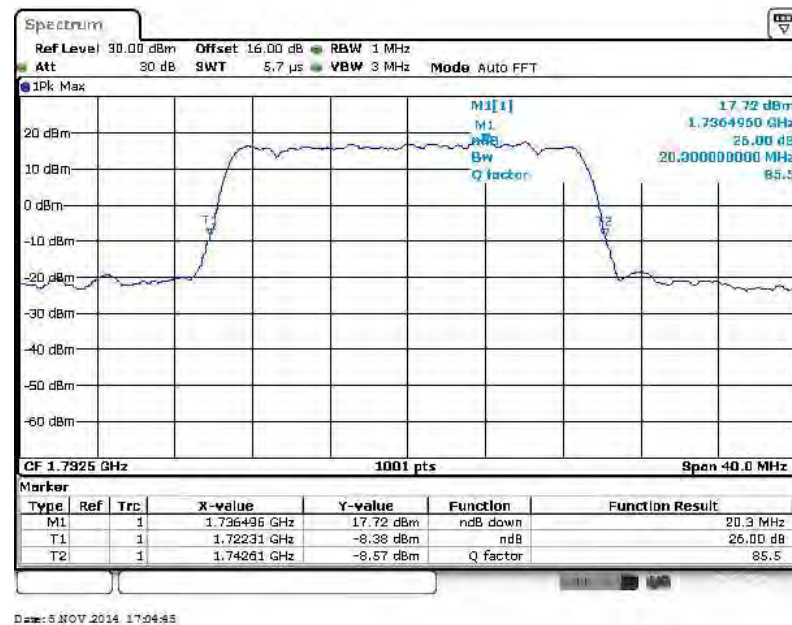
26dB Bandwidth Plot on Channel 20050



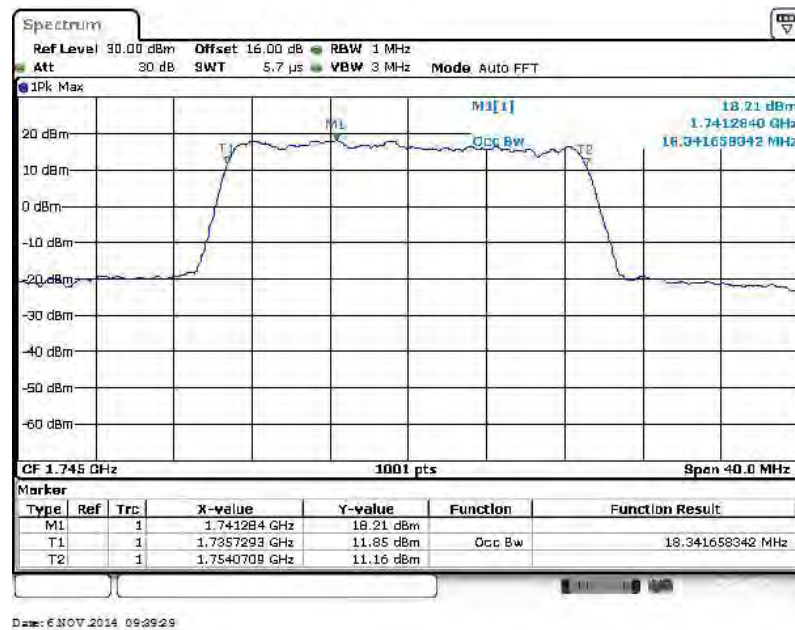
99% Occupied Bandwidth Plot on Channel 20175



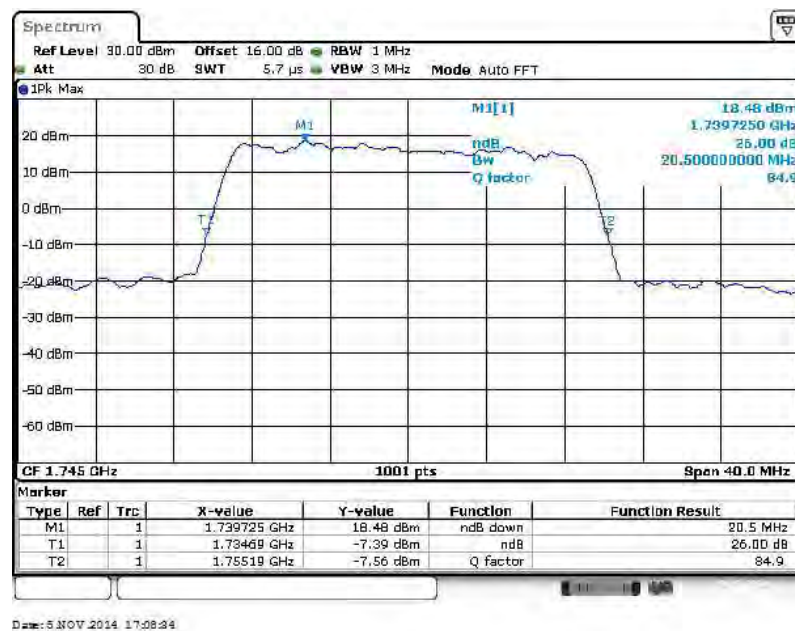
26dB Bandwidth Plot on Channel 20175



99% Occupied Bandwidth Plot on Channel 20300

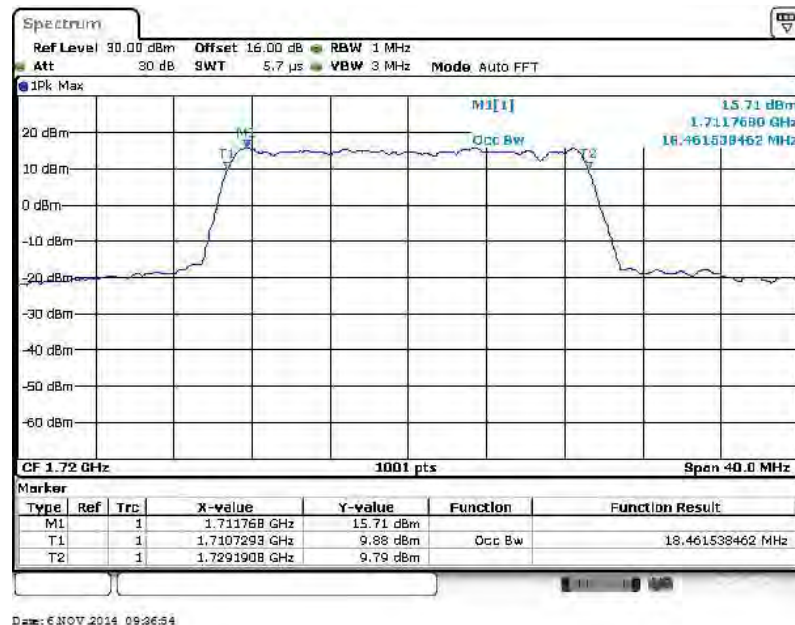


26dB Bandwidth Plot on Channel 20300

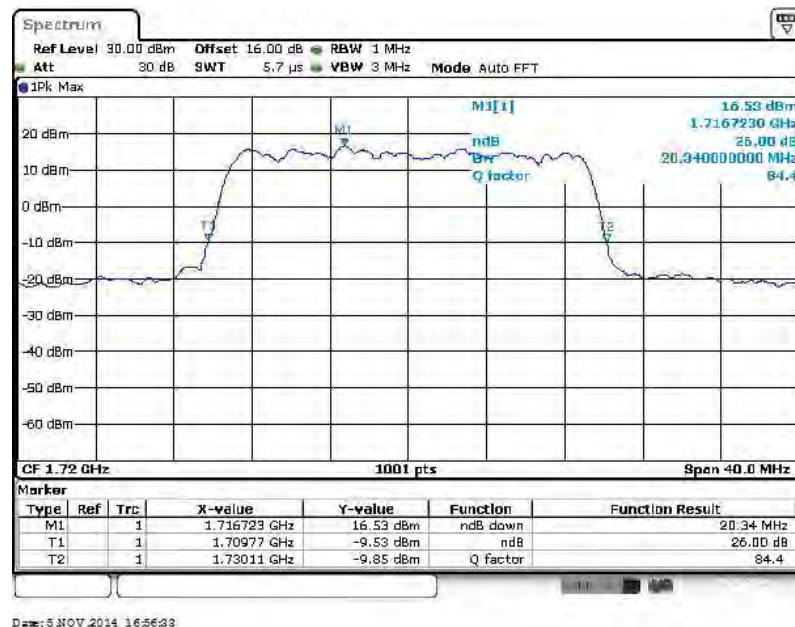


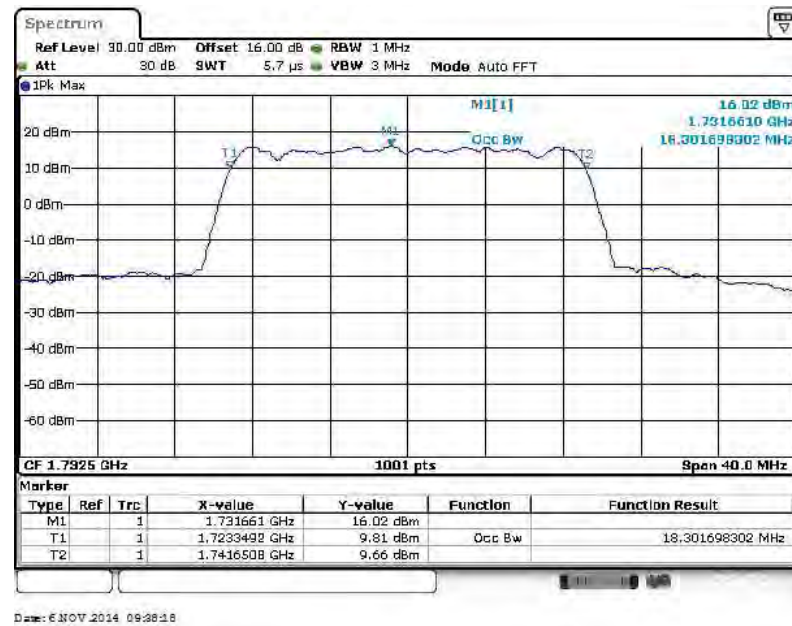
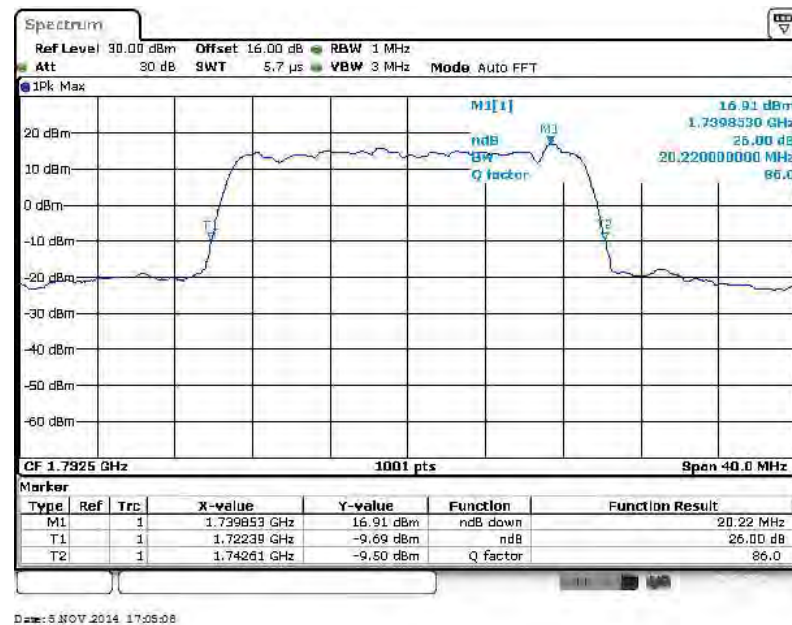
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
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99% Occupied Bandwidth Plot on Channel 20050

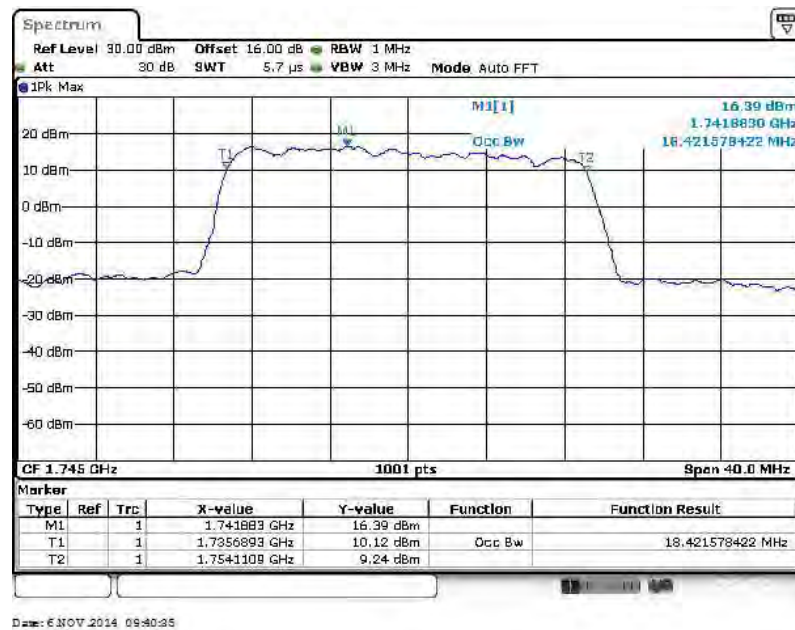


26dB Bandwidth Plot on Channel 20050

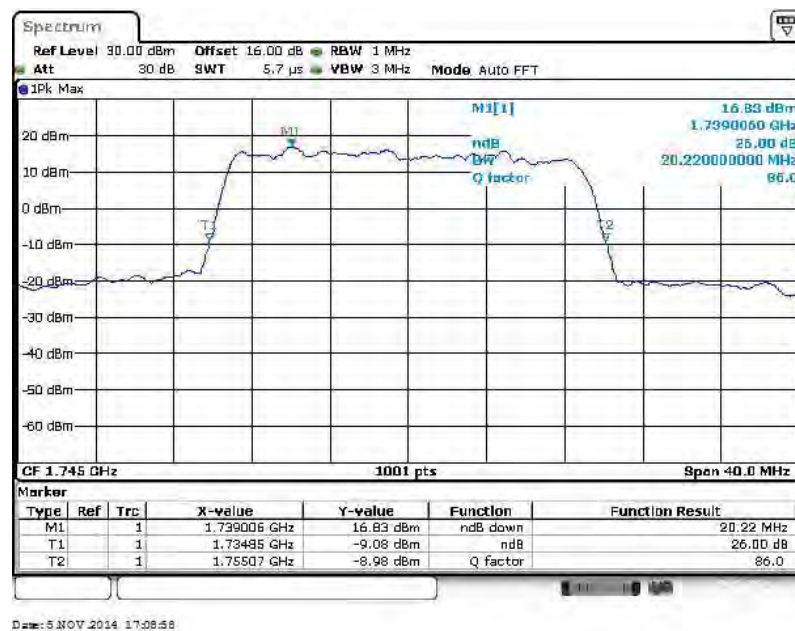


99% Occupied Bandwidth Plot on Channel 20175

26dB Bandwidth Plot on Channel 20175


99% Occupied Bandwidth Plot on Channel 20300

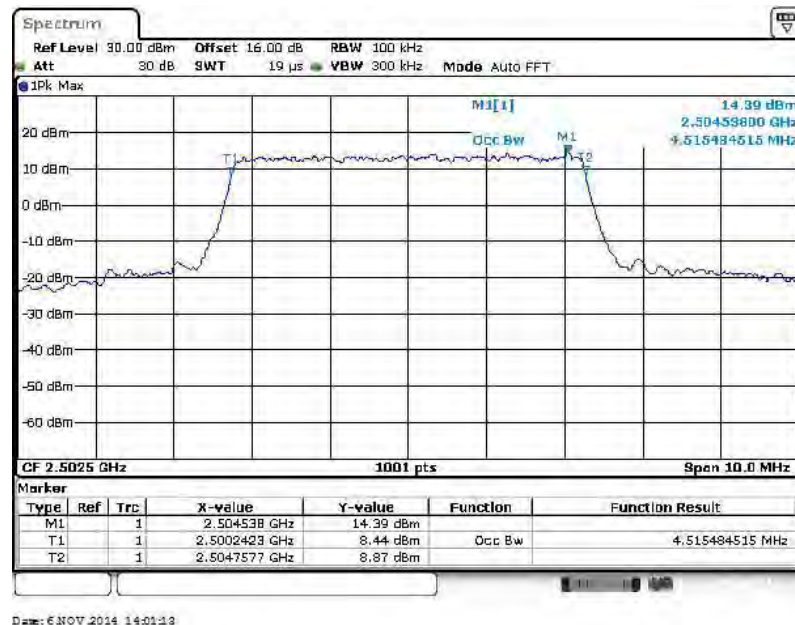


26dB Bandwidth Plot on Channel 20300

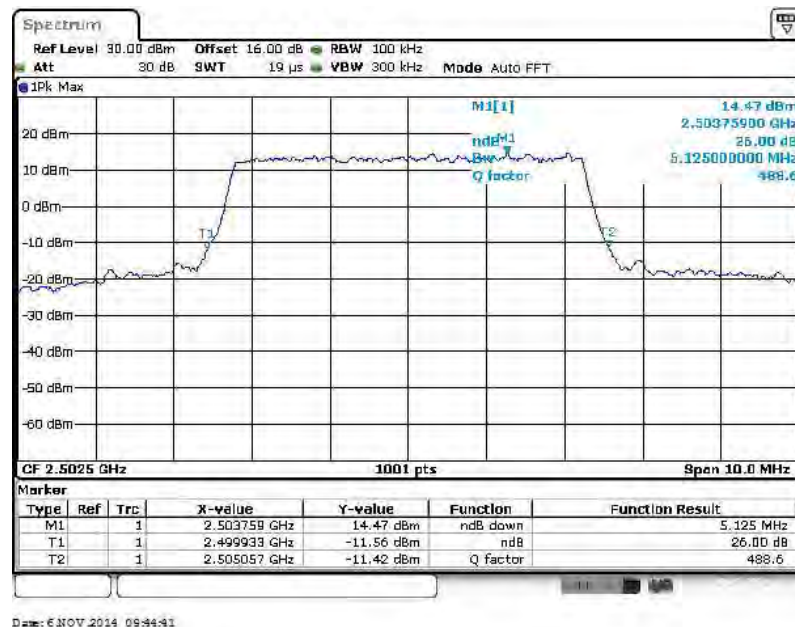


Band :	LTE Band 7	BW / Mod. :	5MHz / QPSK
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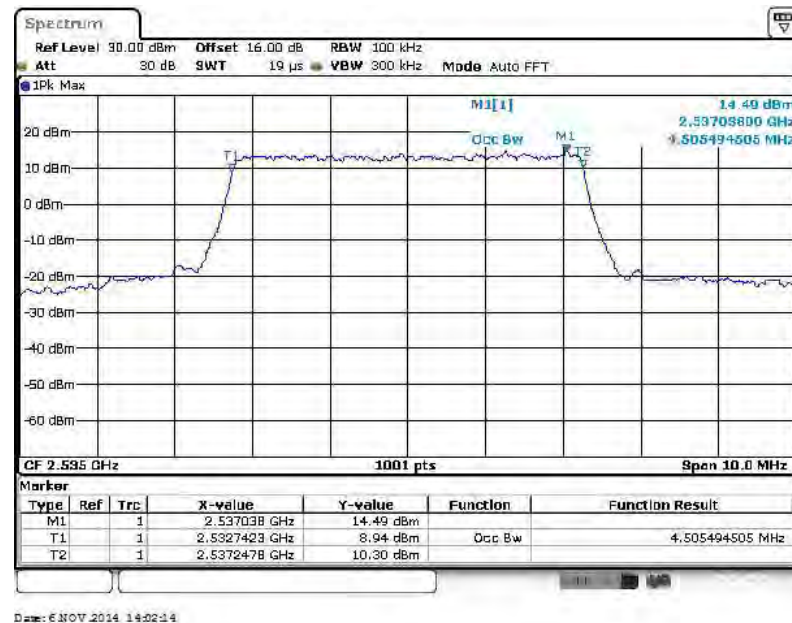
99% Occupied Bandwidth Plot on Channel 20775



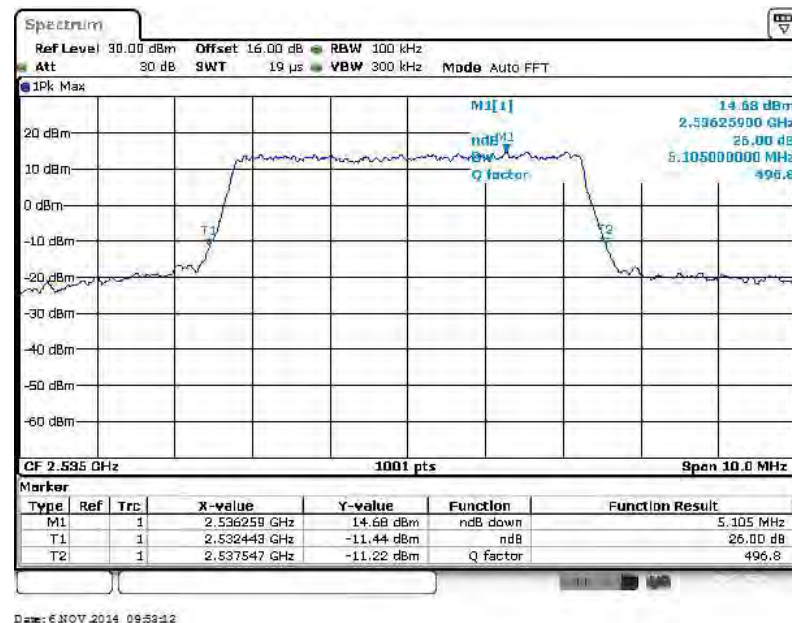
26dB Bandwidth Plot on Channel 20775



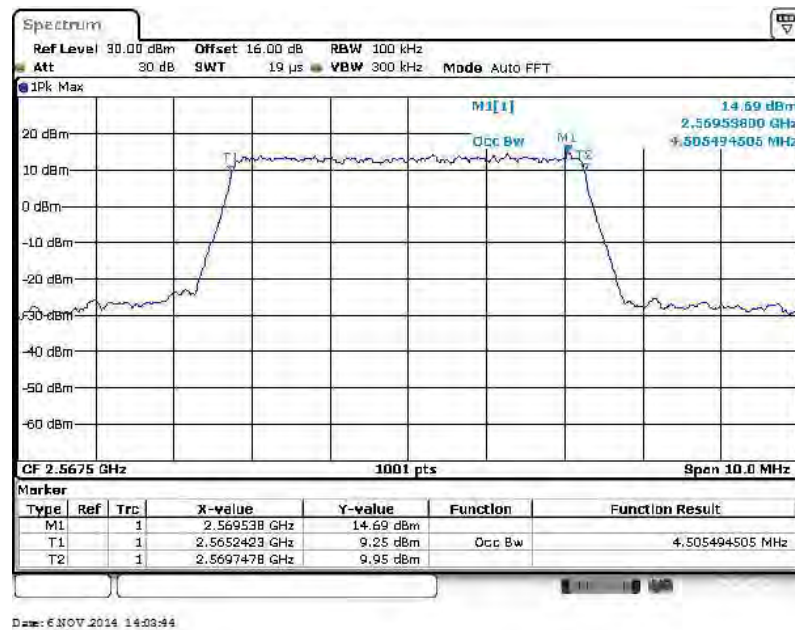
99% Occupied Bandwidth Plot on Channel 21100



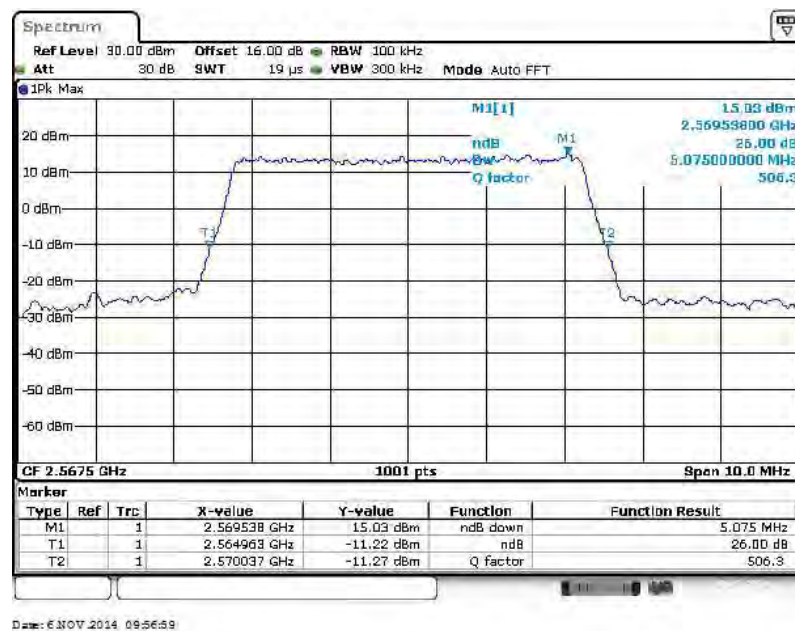
26dB Bandwidth Plot on Channel 21100



99% Occupied Bandwidth Plot on Channel 21425

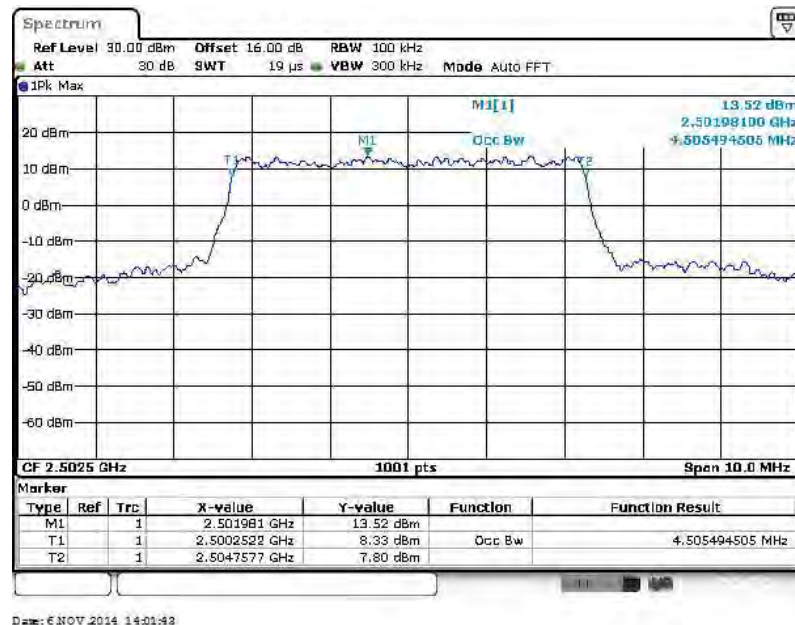


26dB Bandwidth Plot on Channel 21425

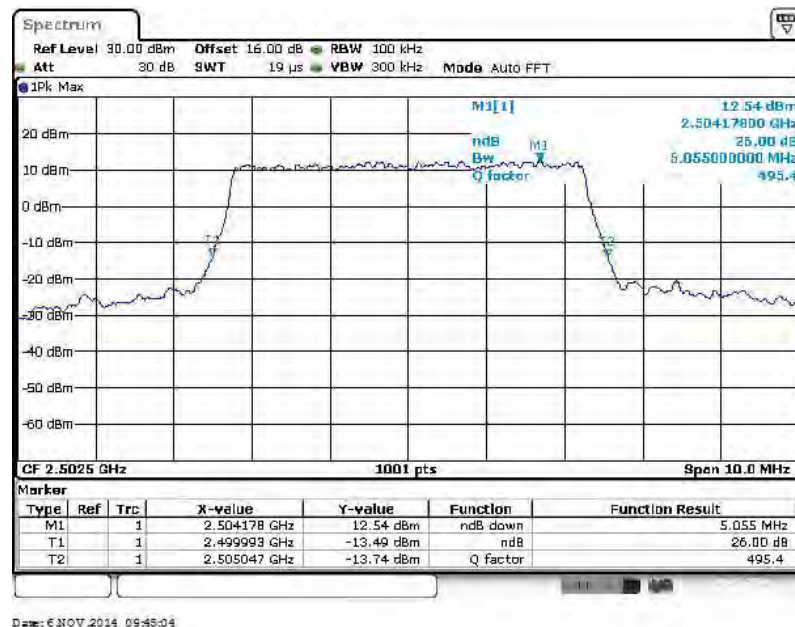


Band :	LTE Band 7	BW / Mod. :	5MHz / 16QAM
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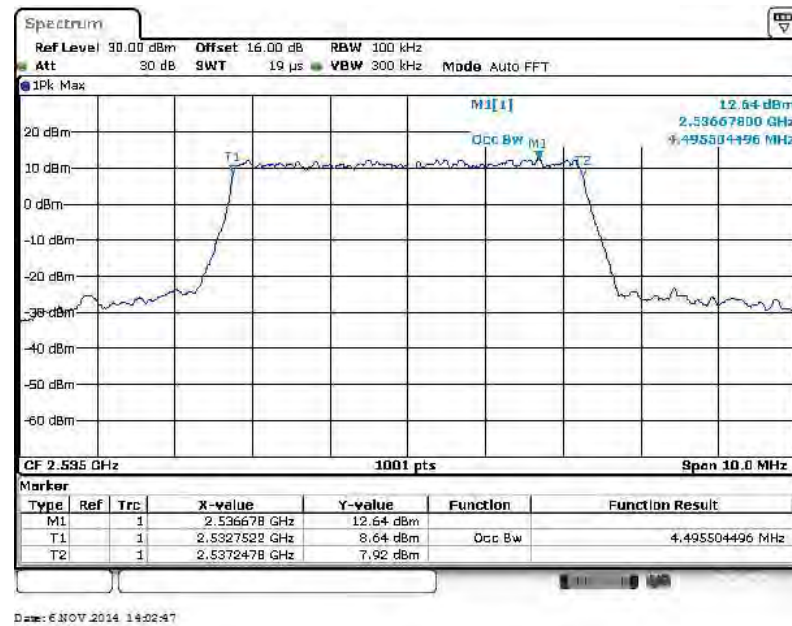
99% Occupied Bandwidth Plot on Channel 20775



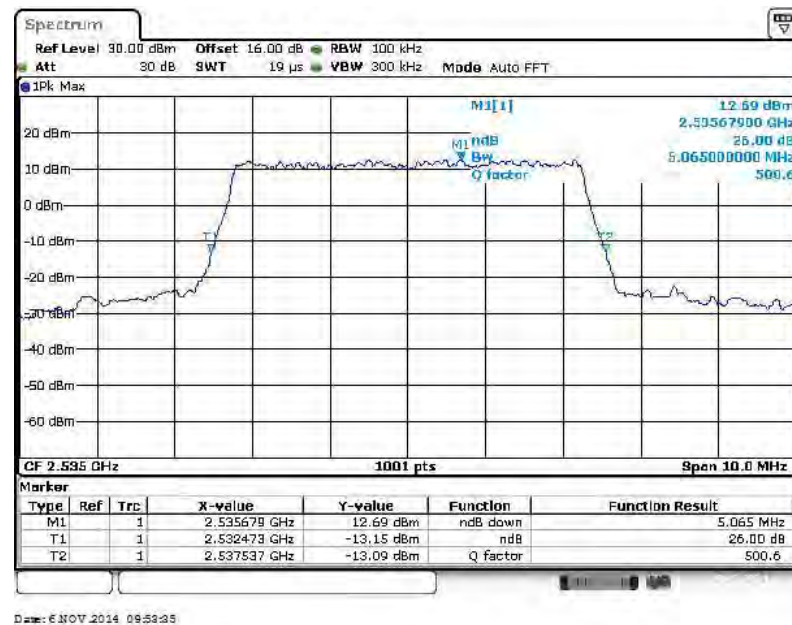
26dB Bandwidth Plot on Channel 20775



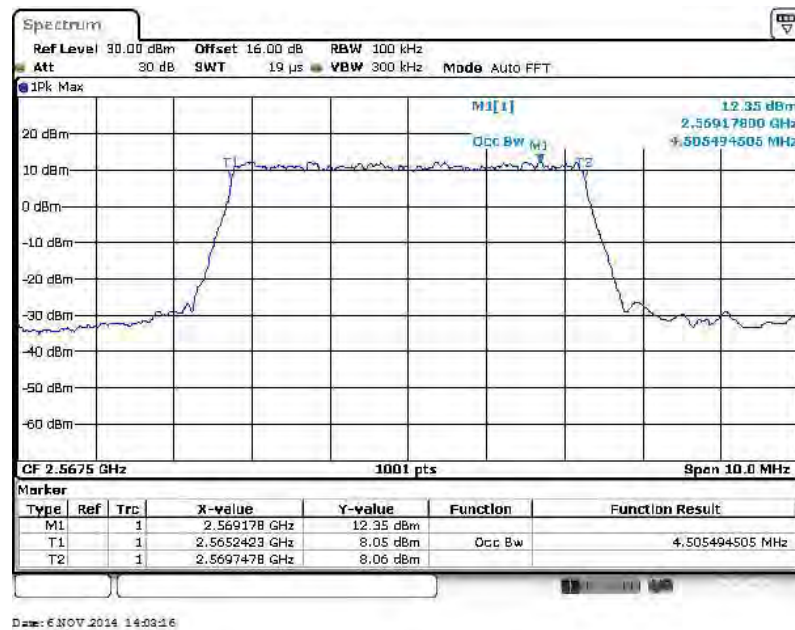
99% Occupied Bandwidth Plot on Channel 21100



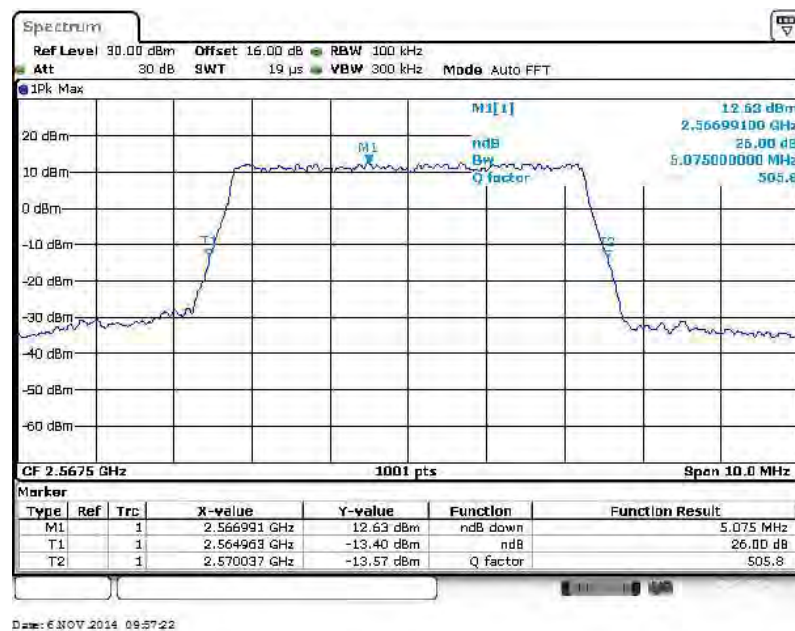
26dB Bandwidth Plot on Channel 21100



99% Occupied Bandwidth Plot on Channel 21425

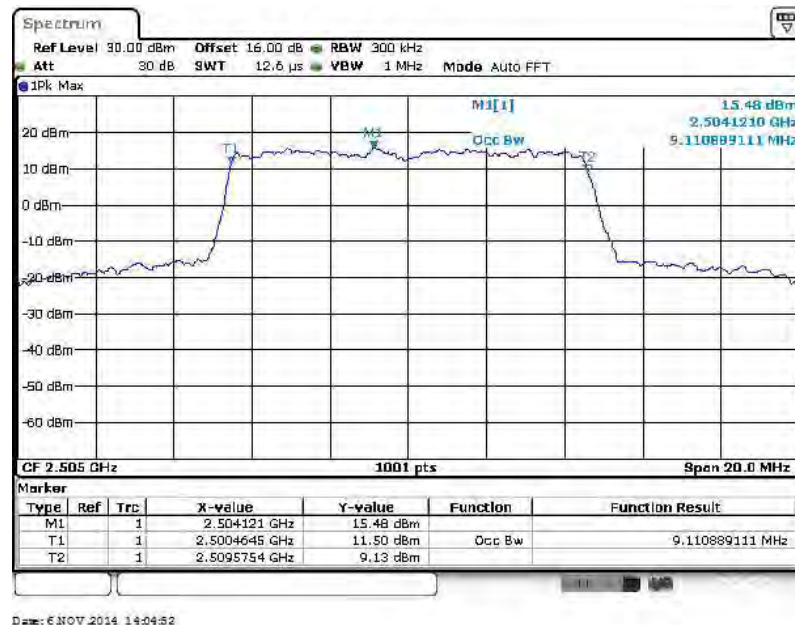


26dB Bandwidth Plot on Channel 21425

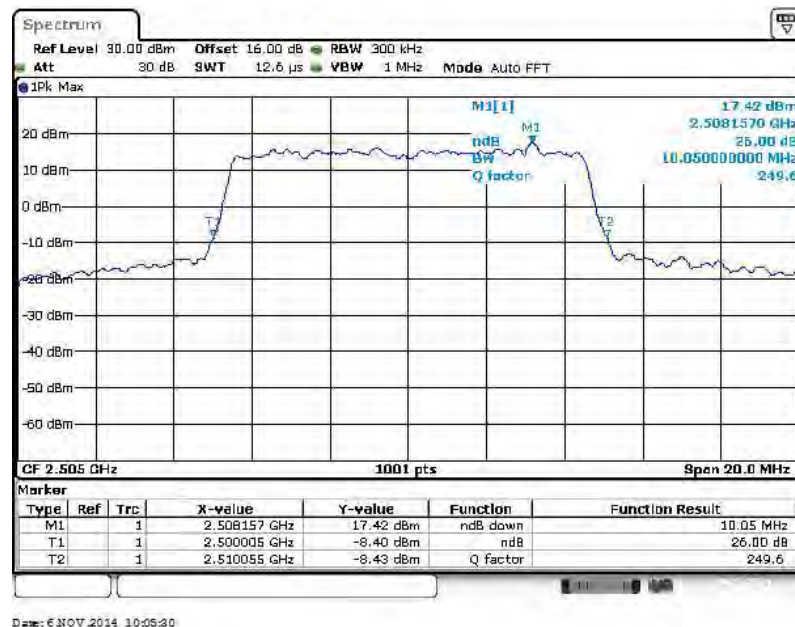


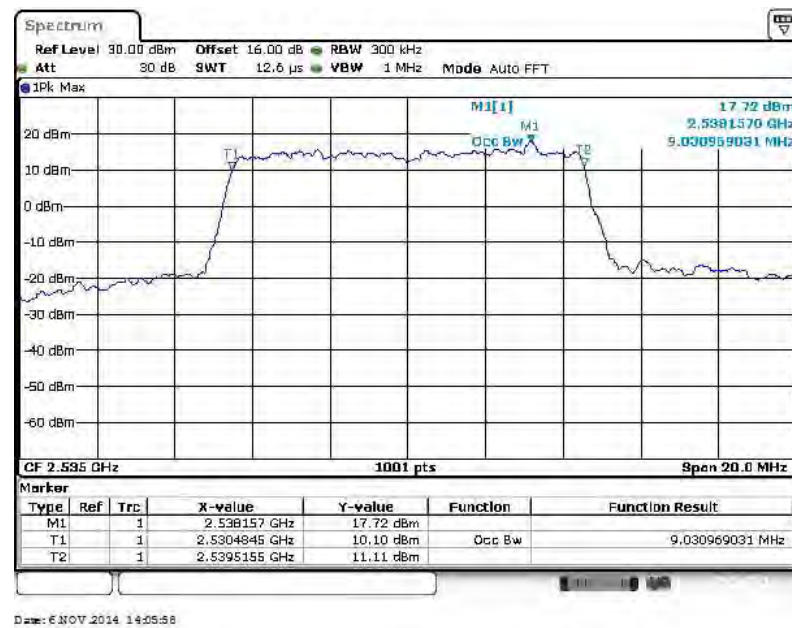
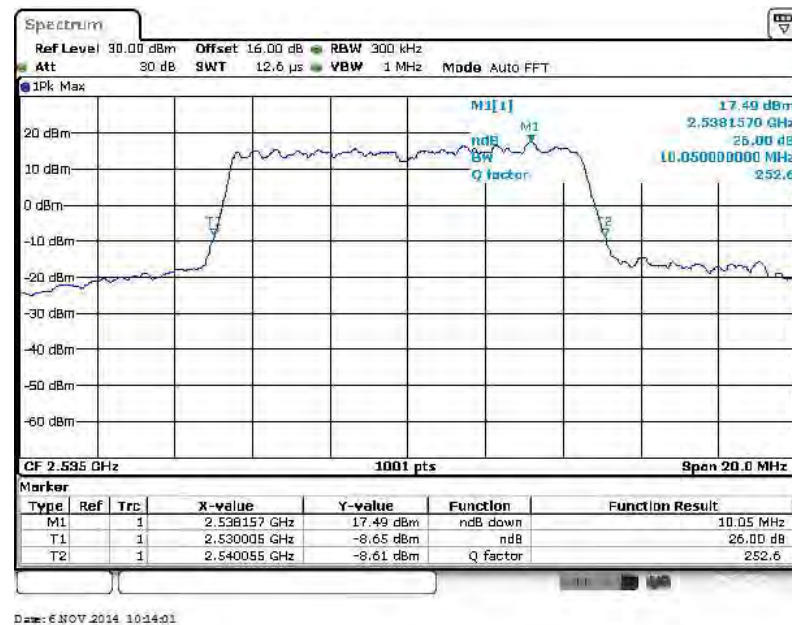
Band :	LTE Band 7	BW / Mod. :	10MHz / QPSK
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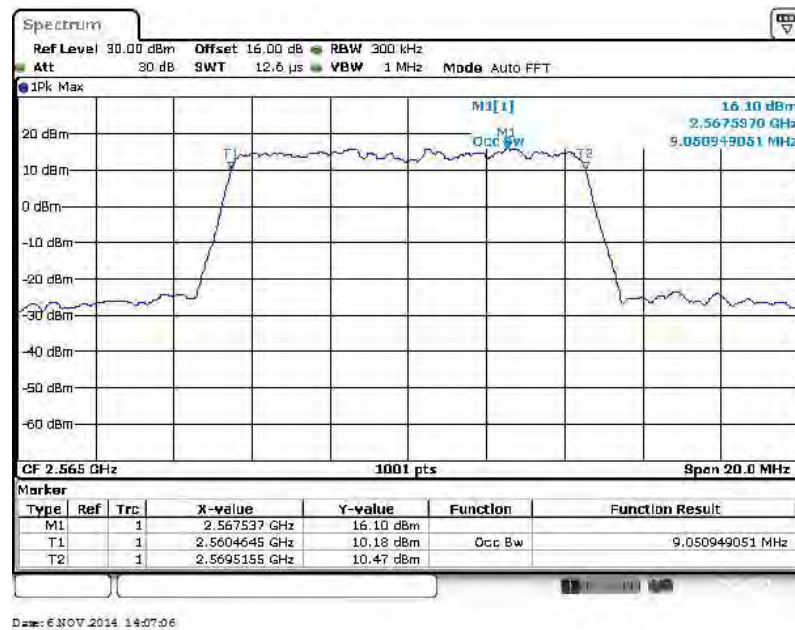
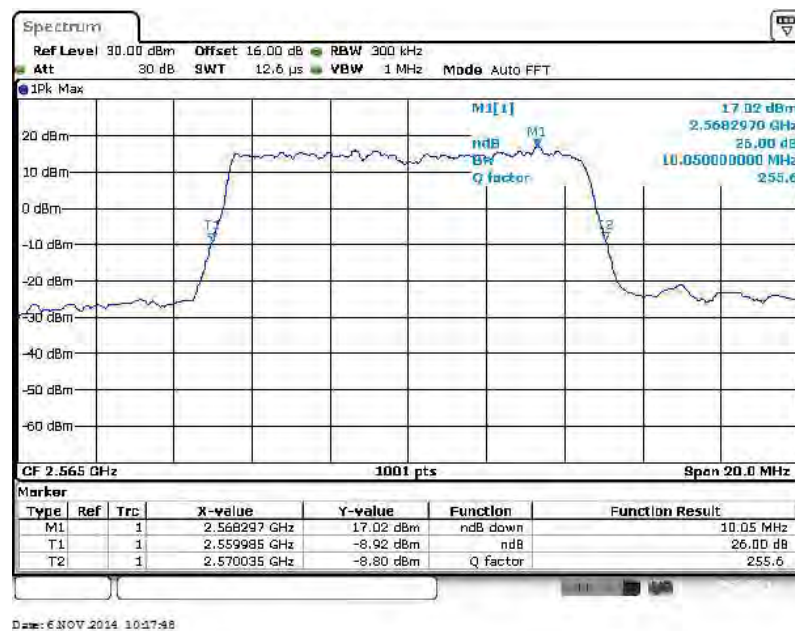
99% Occupied Bandwidth Plot on Channel 20800



26dB Bandwidth Plot on Channel 20800

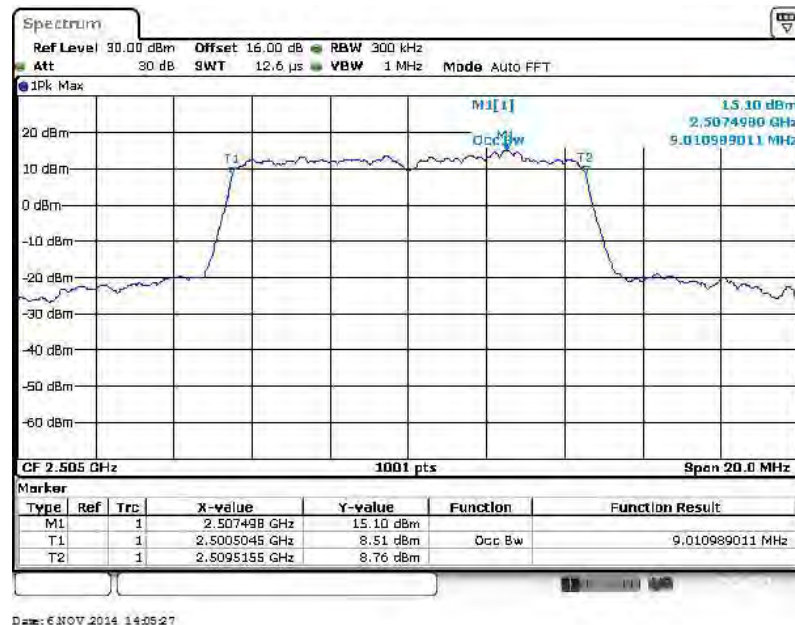


99% Occupied Bandwidth Plot on Channel 21100

26dB Bandwidth Plot on Channel 21100


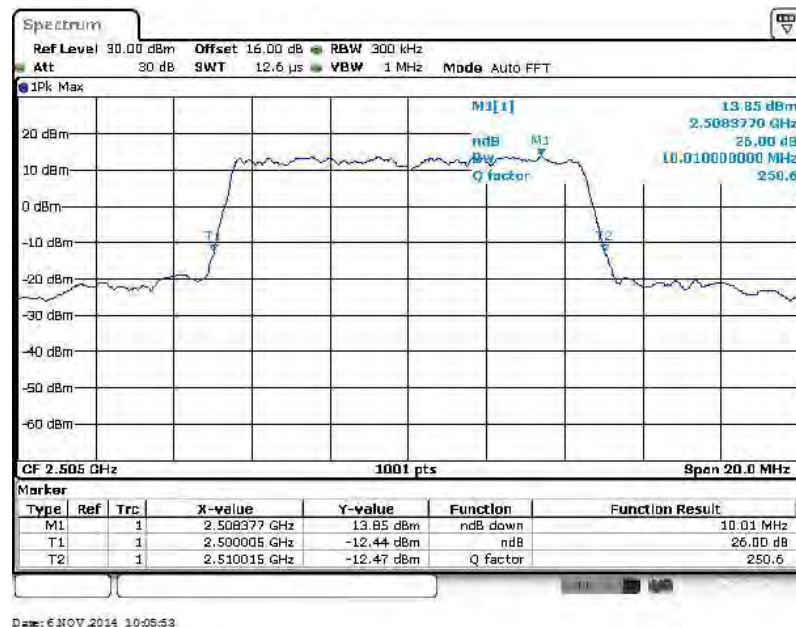
99% Occupied Bandwidth Plot on Channel 21400

26dB Bandwidth Plot on Channel 21400


Band :	LTE Band 7	BW / Mod. :	10MHz / 16QAM
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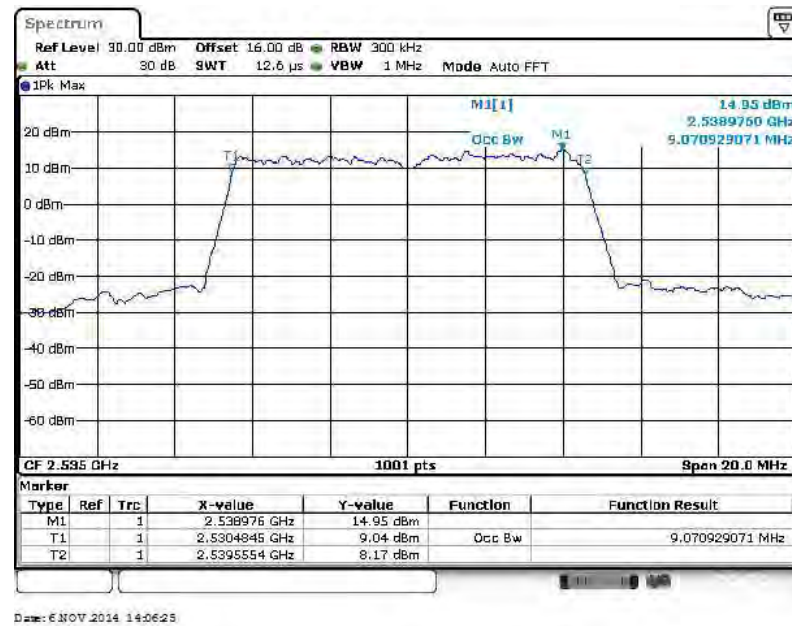
99% Occupied Bandwidth Plot on Channel 20800



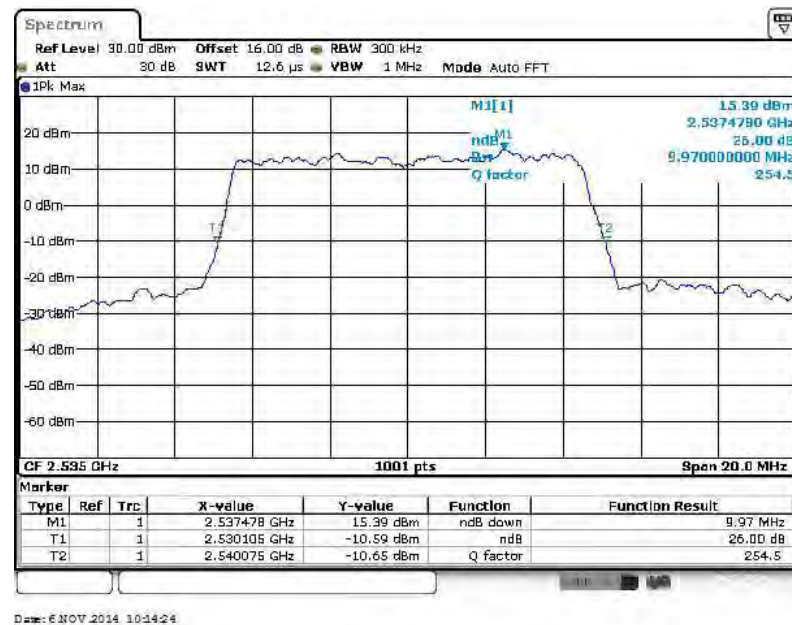
26dB Bandwidth Plot on Channel 20800



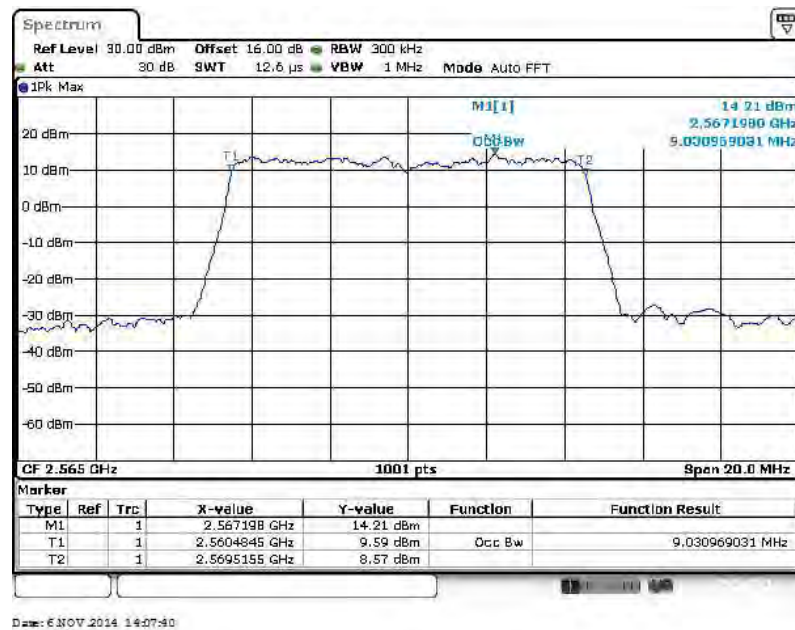
99% Occupied Bandwidth Plot on Channel 21100



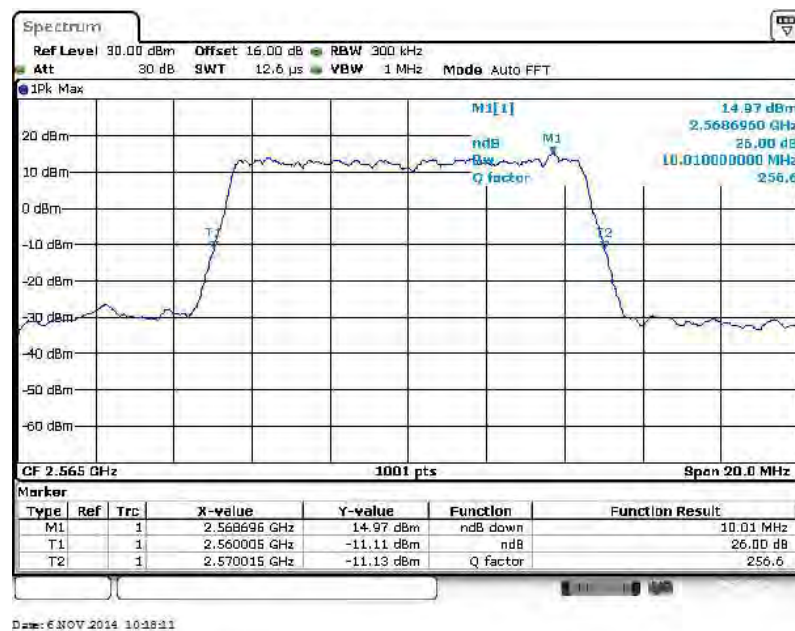
26dB Bandwidth Plot on Channel 21100



99% Occupied Bandwidth Plot on Channel 21400

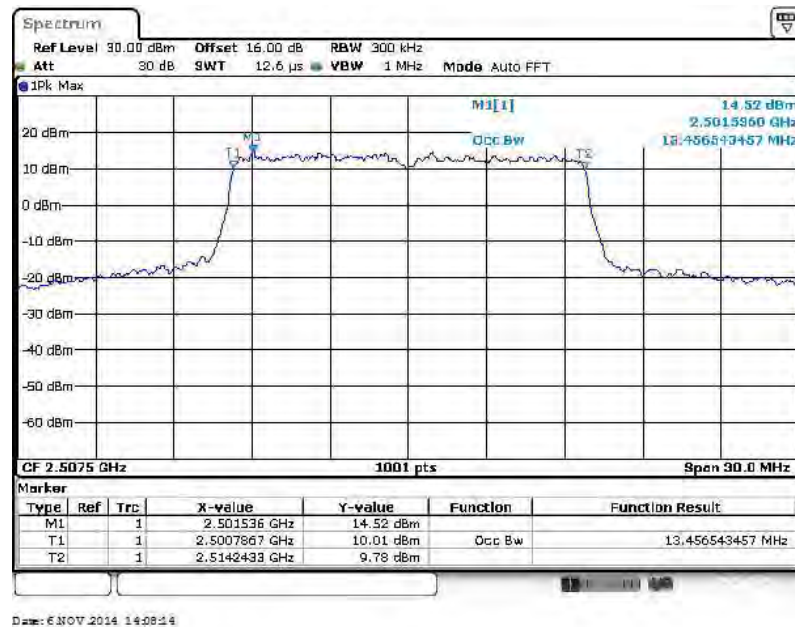


26dB Bandwidth Plot on Channel 21400

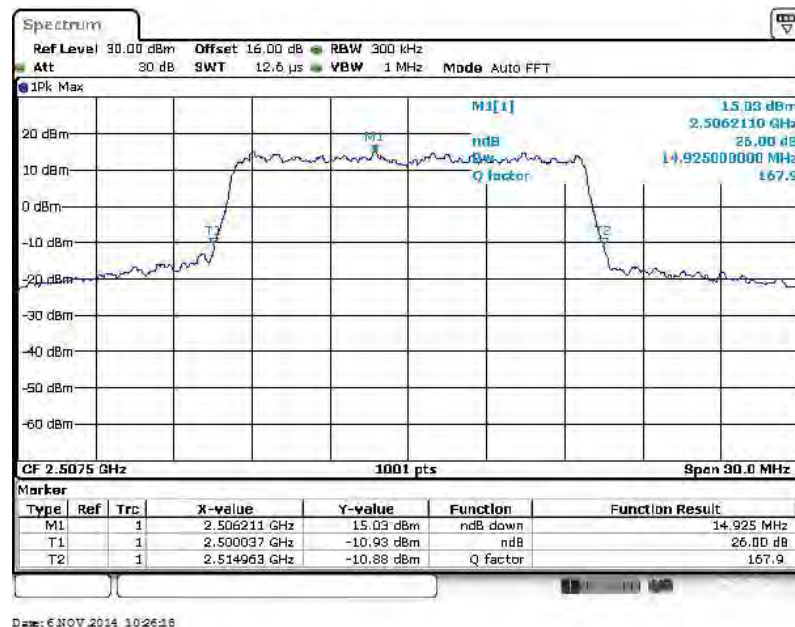


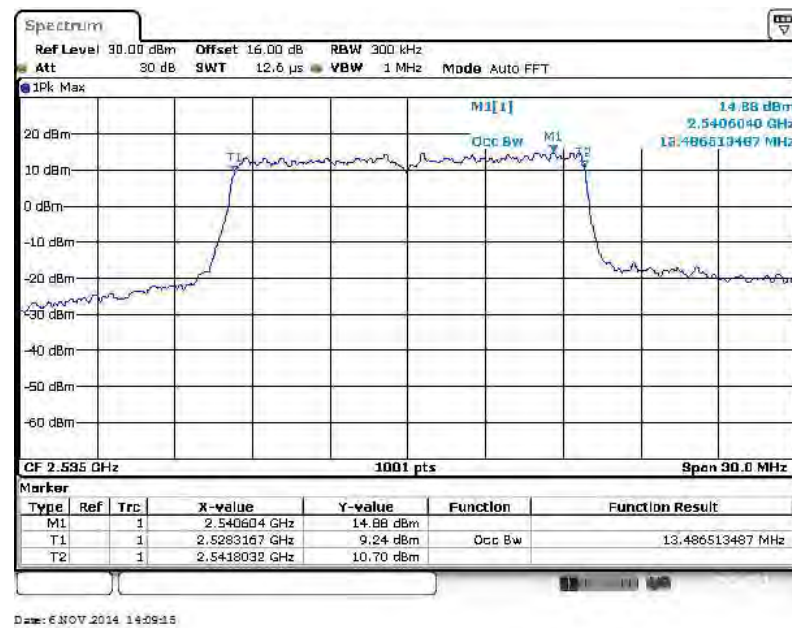
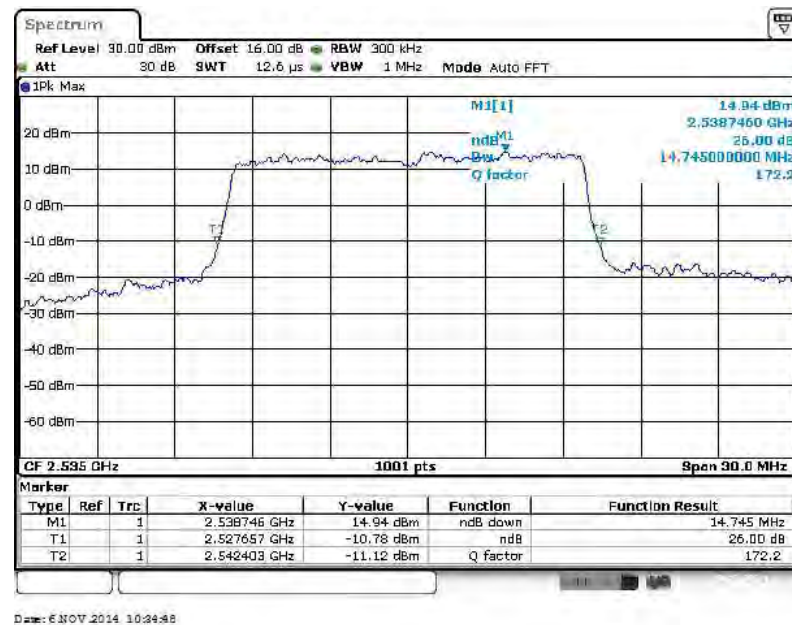
Band :	LTE Band 7	BW / Mod. :	15MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20825

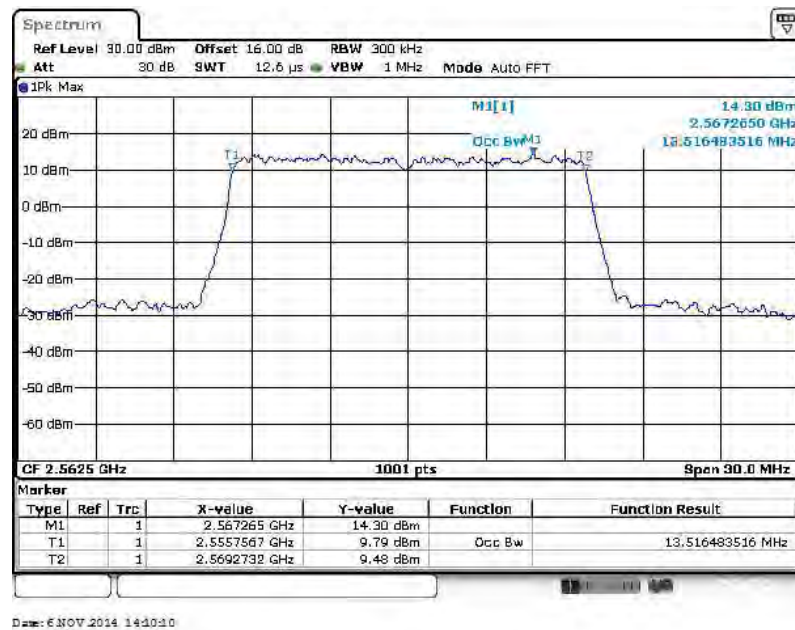


26dB Bandwidth Plot on Channel 20825

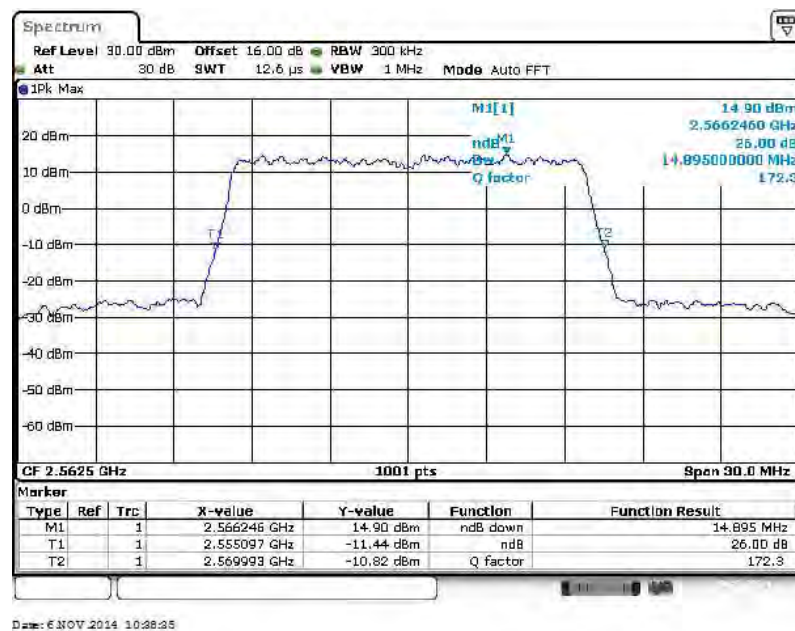


99% Occupied Bandwidth Plot on Channel 21100

26dB Bandwidth Plot on Channel 21100


99% Occupied Bandwidth Plot on Channel 21375

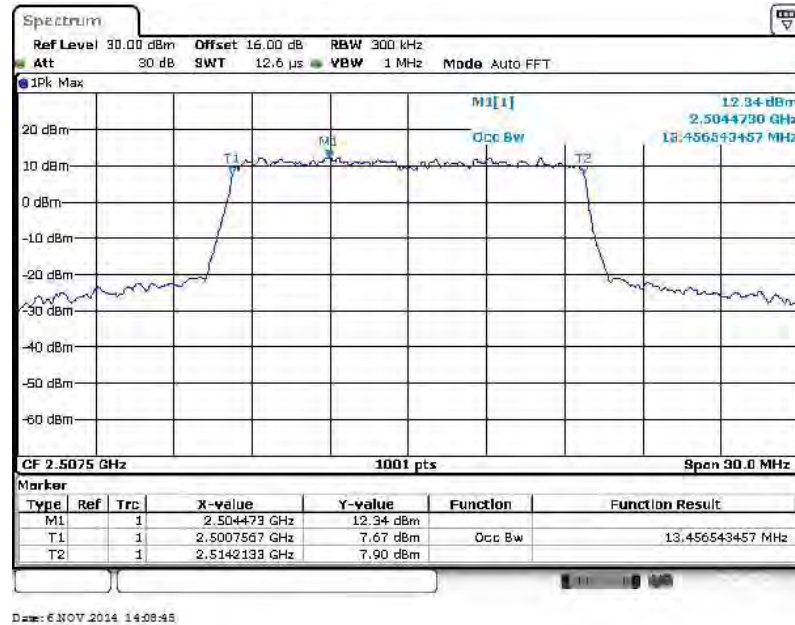


26dB Bandwidth Plot on Channel 21375

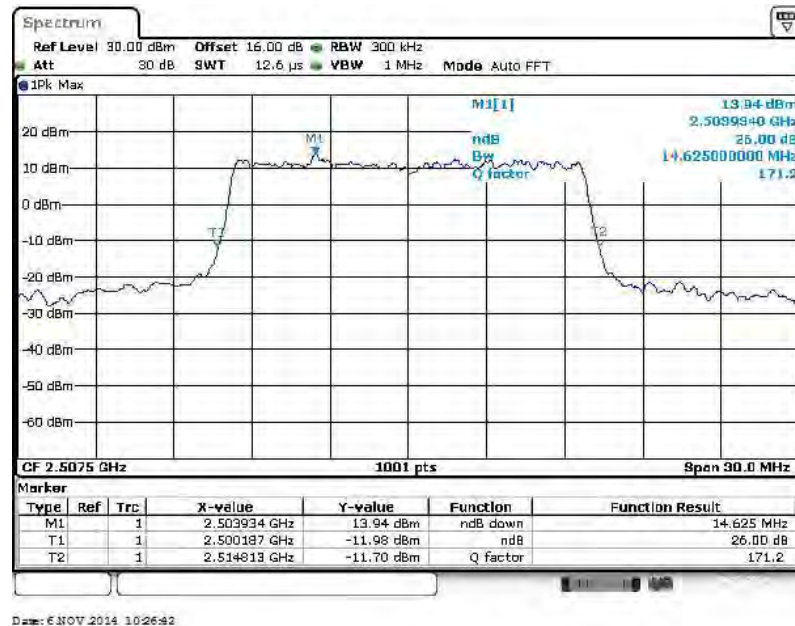


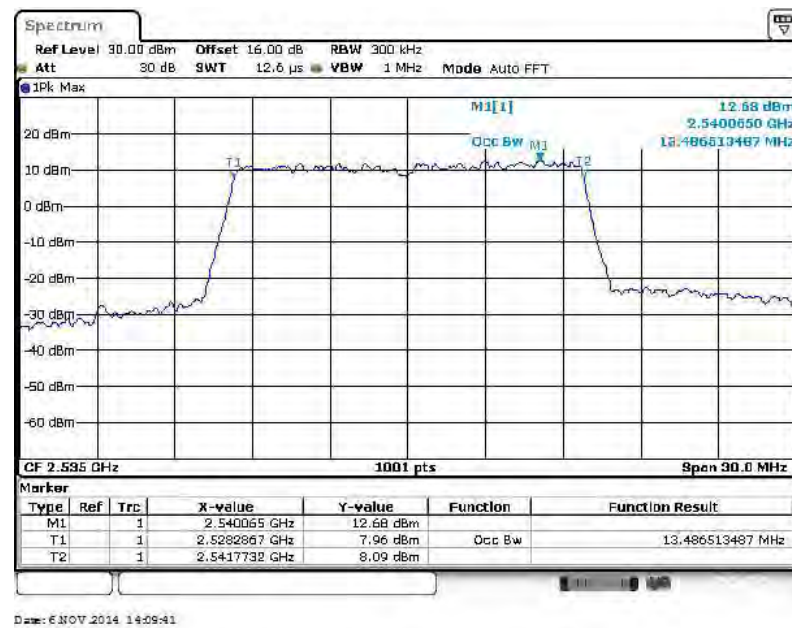
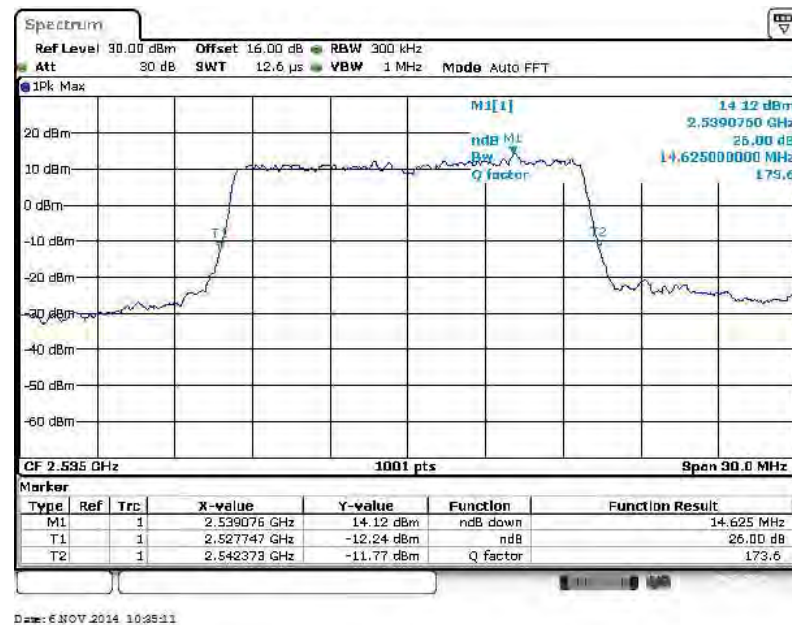
Band :	LTE Band 7	BW / Mod. :	15MHz / 16QAM
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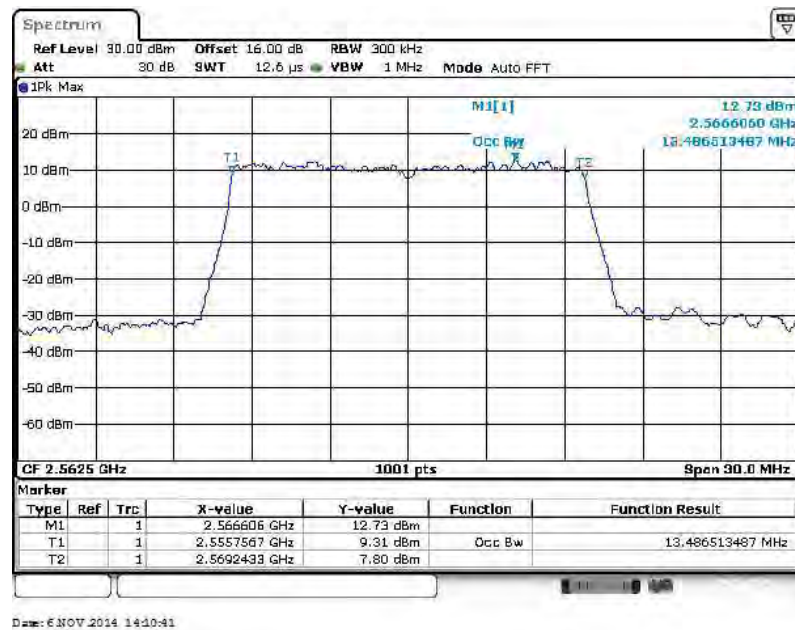
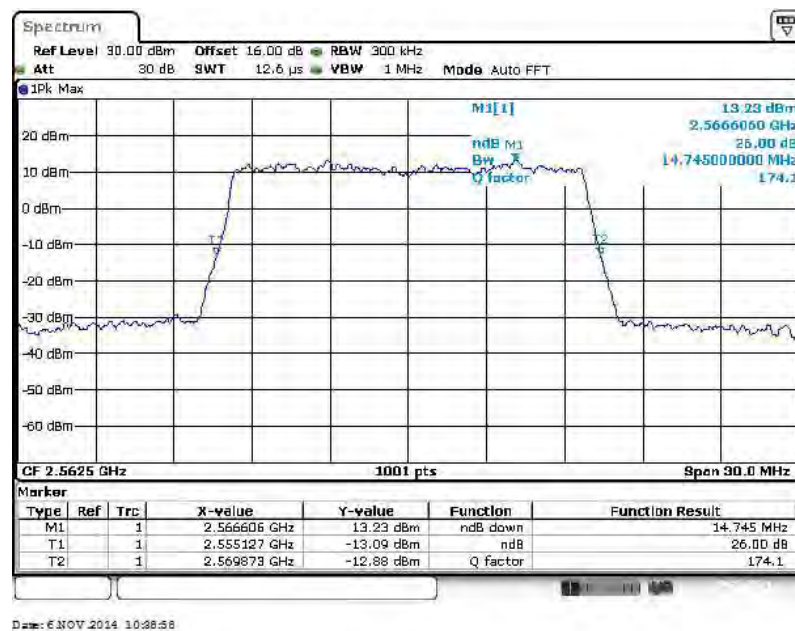
99% Occupied Bandwidth Plot on Channel 20825



26dB Bandwidth Plot on Channel 20825

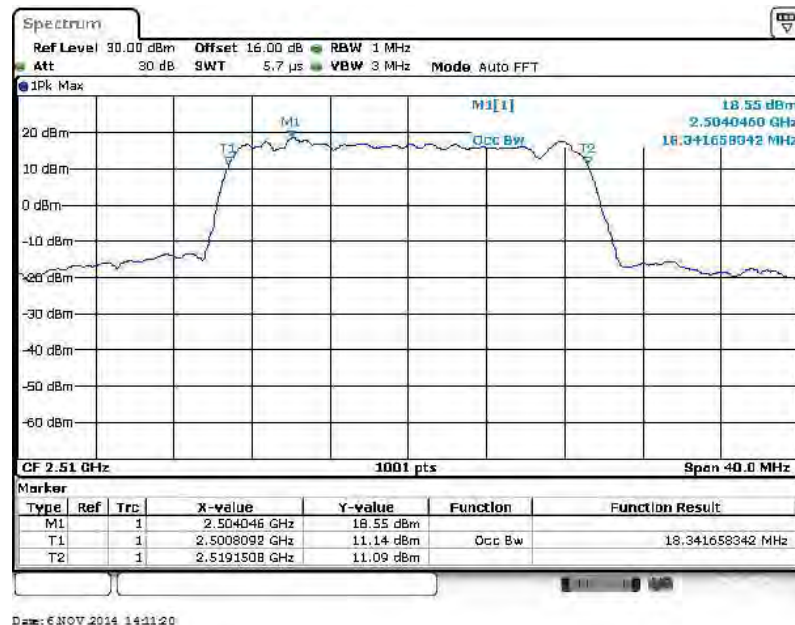


99% Occupied Bandwidth Plot on Channel 21100

26dB Bandwidth Plot on Channel 21100


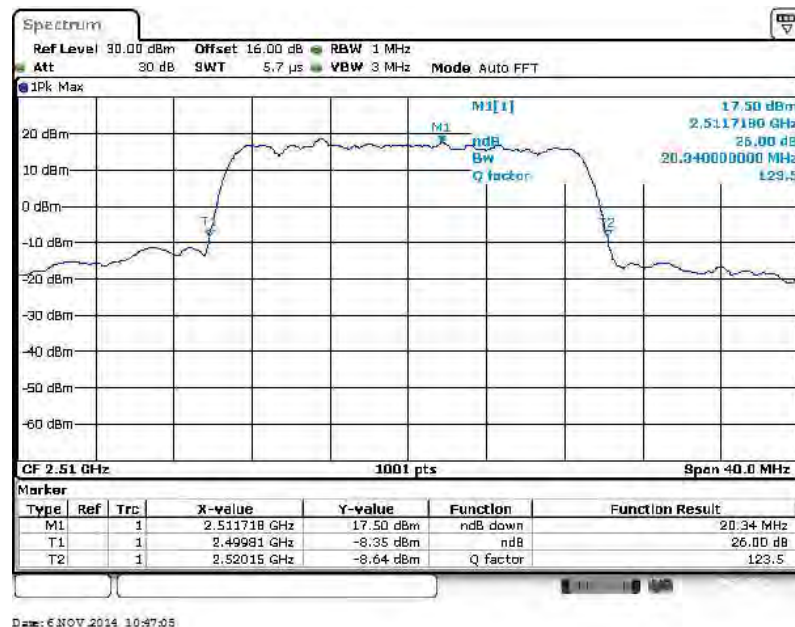
99% Occupied Bandwidth Plot on Channel 21375

26dB Bandwidth Plot on Channel 21375


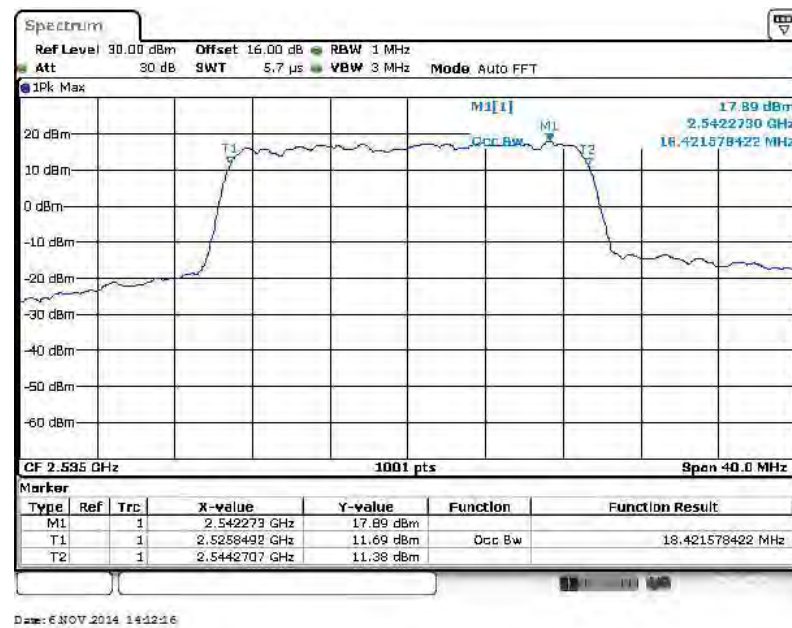
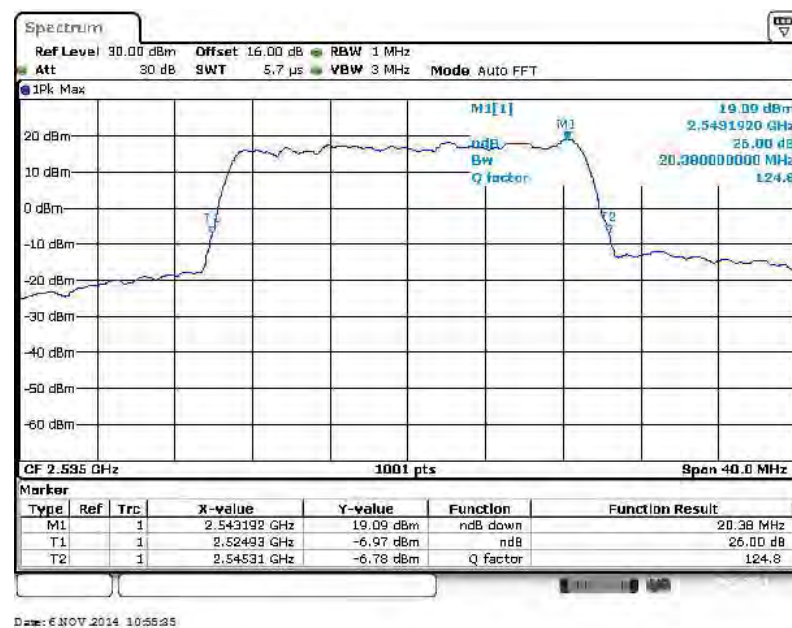
Band :	LTE Band 7	BW / Mod. :	20MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 20850

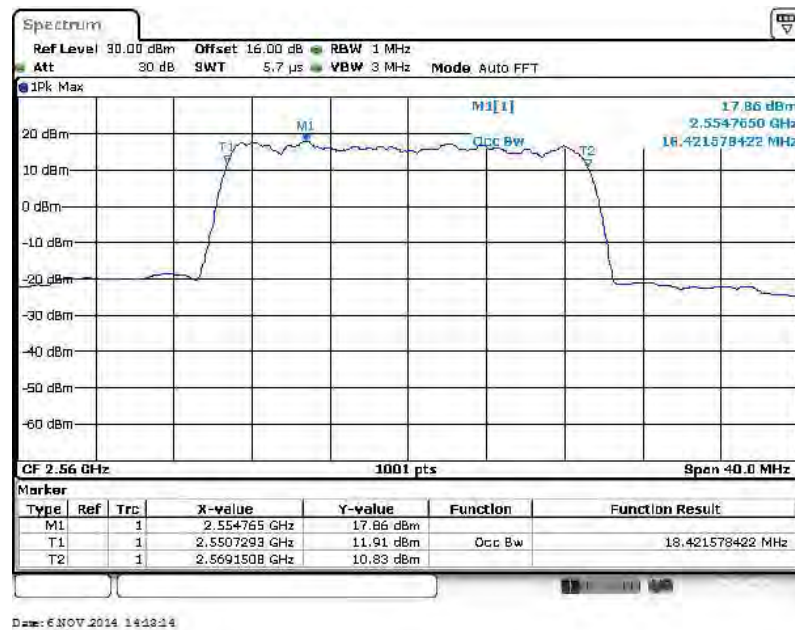


26dB Bandwidth Plot on Channel 20850

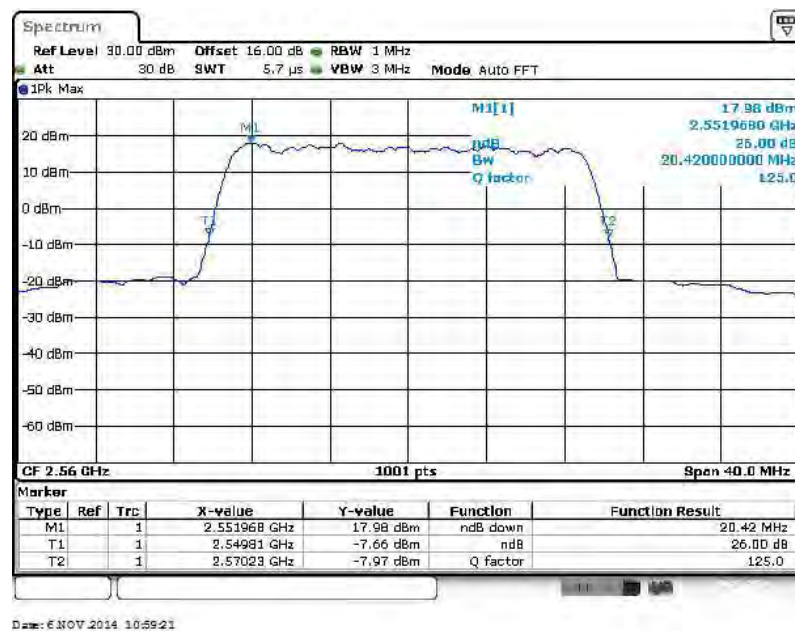


99% Occupied Bandwidth Plot on Channel 21100

26dB Bandwidth Plot on Channel 21100


99% Occupied Bandwidth Plot on Channel 21350



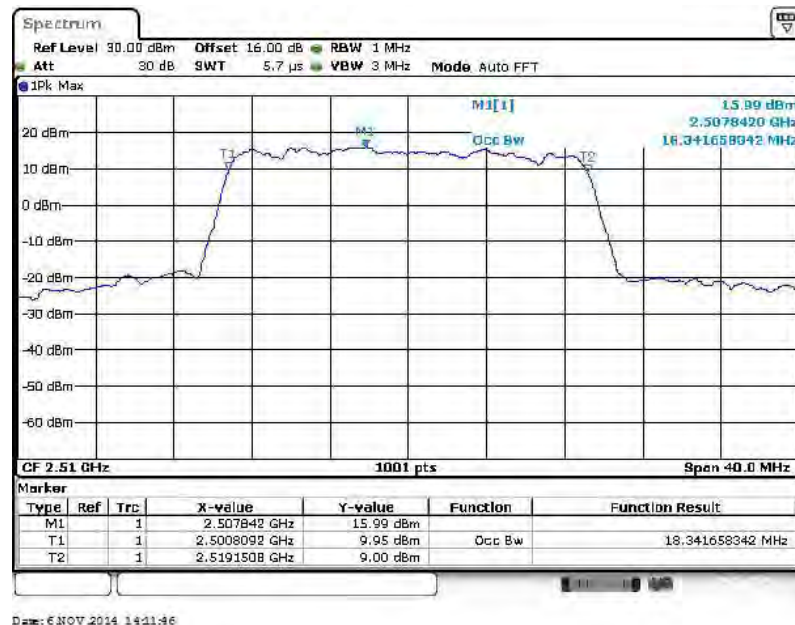
26dB Bandwidth Plot on Channel 21350



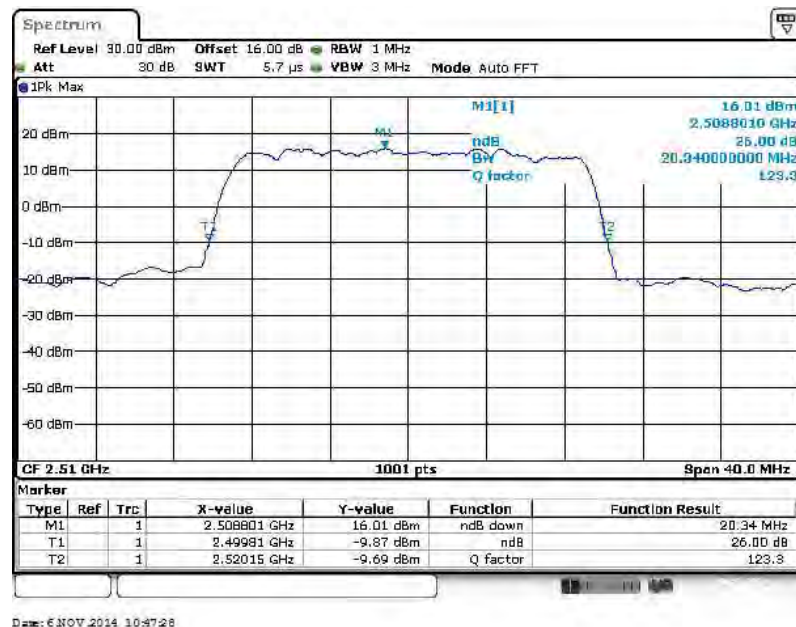


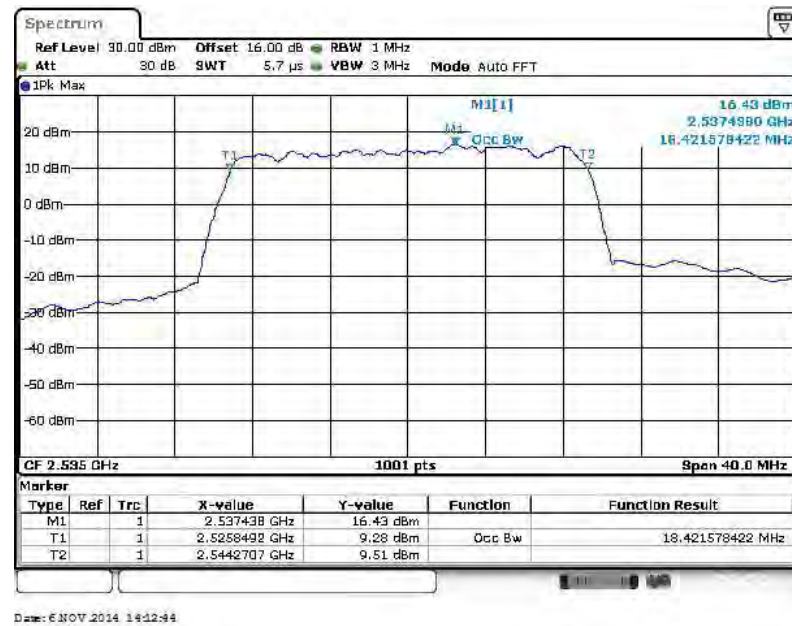
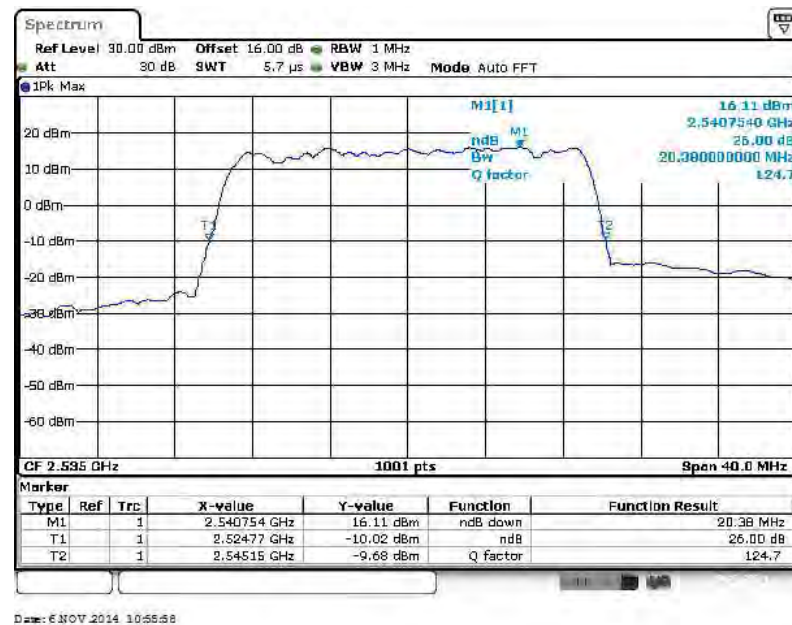
Band :	LTE Band 7	BW / Mod. :	20MHz / 16QAM
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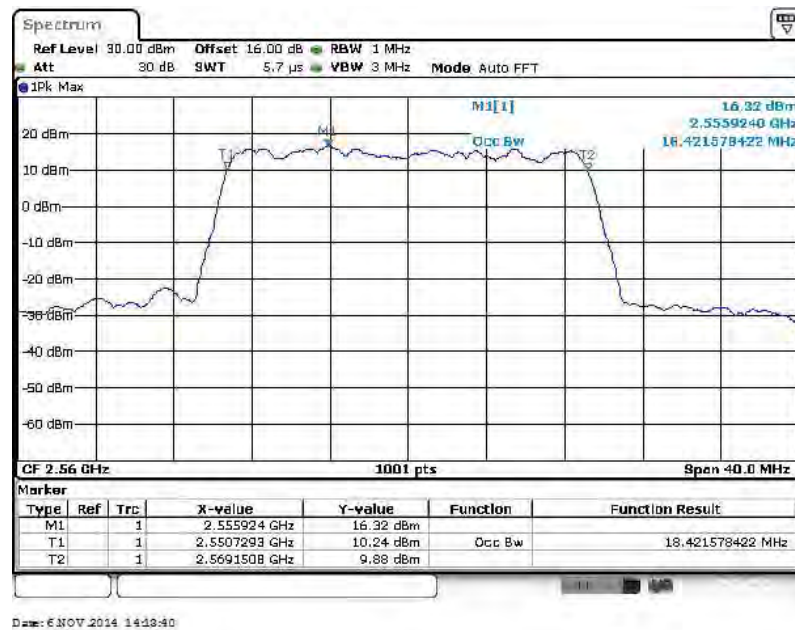
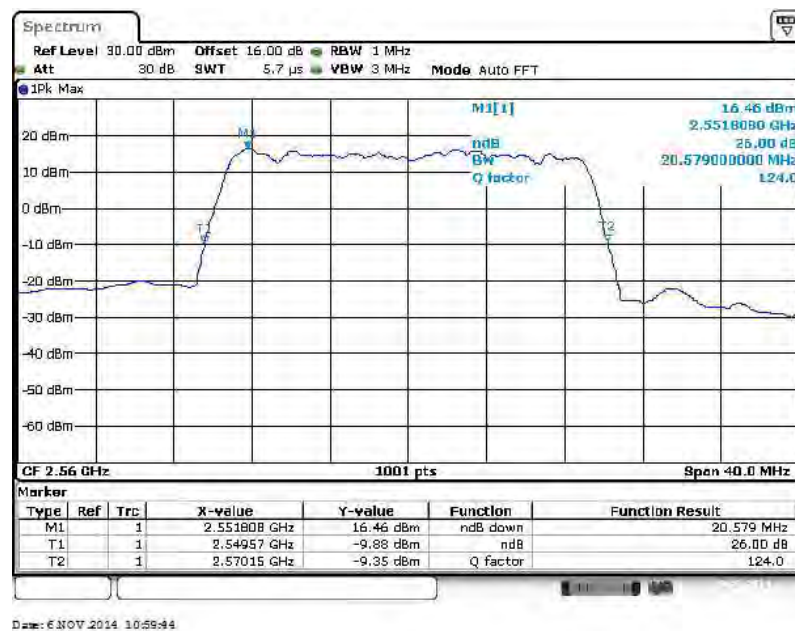
99% Occupied Bandwidth Plot on Channel 20850



26dB Bandwidth Plot on Channel 20850

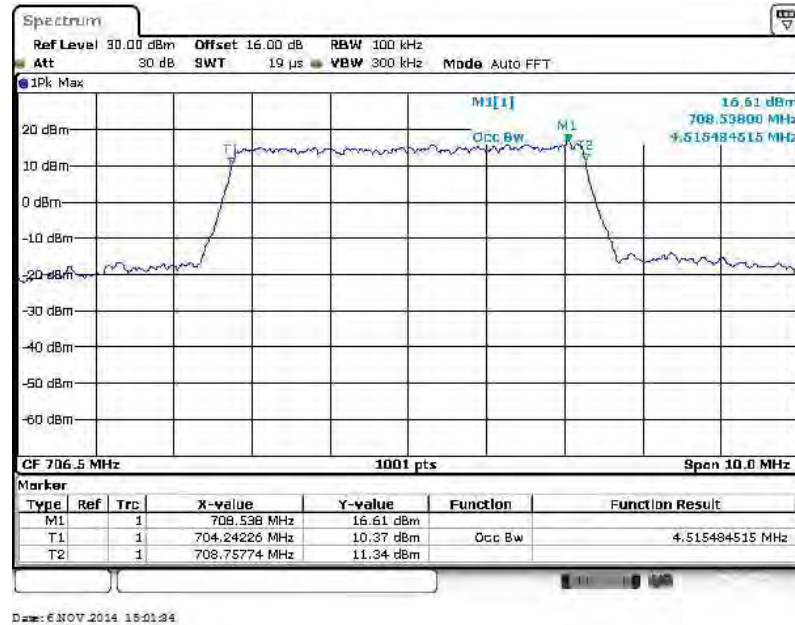


99% Occupied Bandwidth Plot on Channel 21100

26dB Bandwidth Plot on Channel 21100


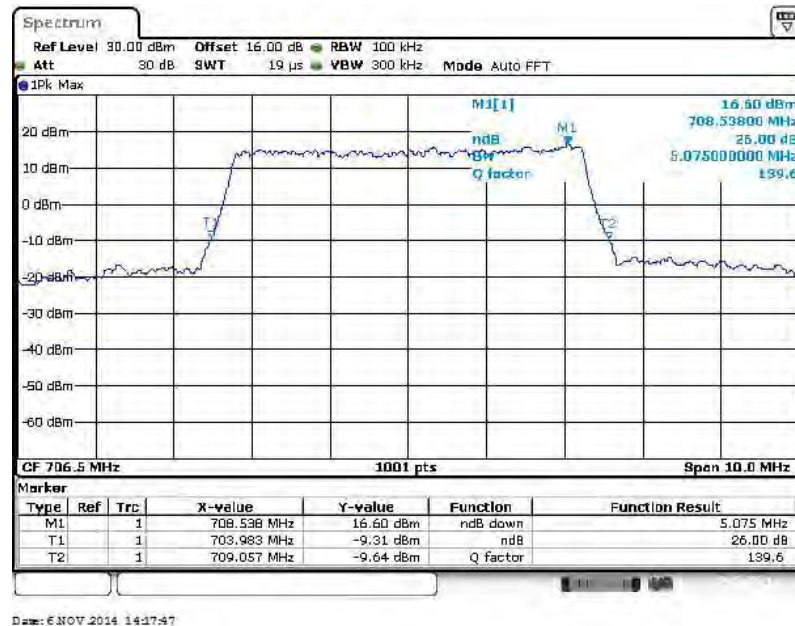
99% Occupied Bandwidth Plot on Channel 21350

26dB Bandwidth Plot on Channel 21350


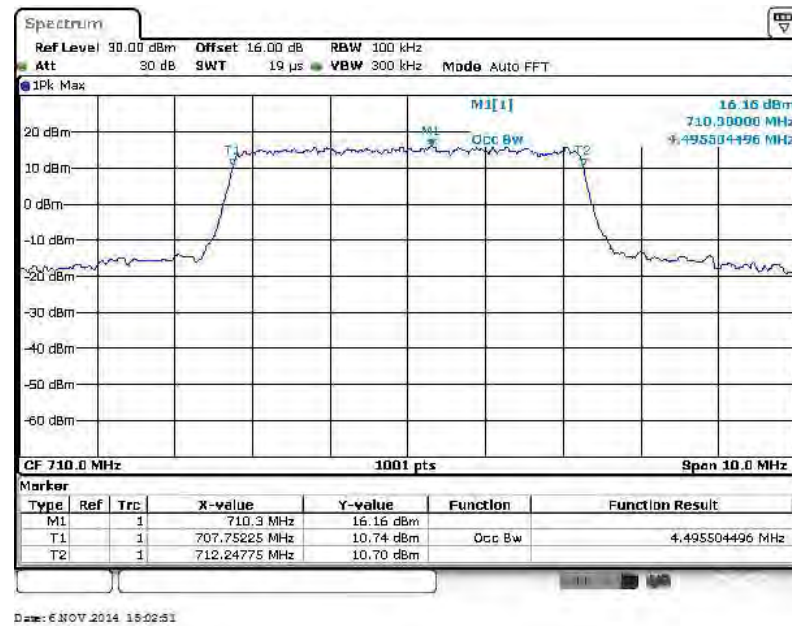
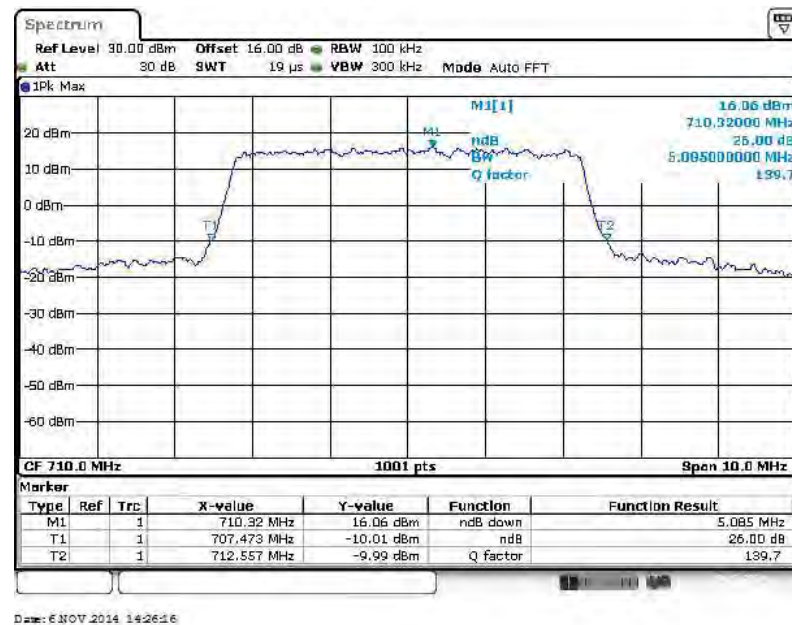
Band :	LTE Band 17	BW / Mod. :	5MHz / QPSK
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99% Occupied Bandwidth Plot on Channel 23755

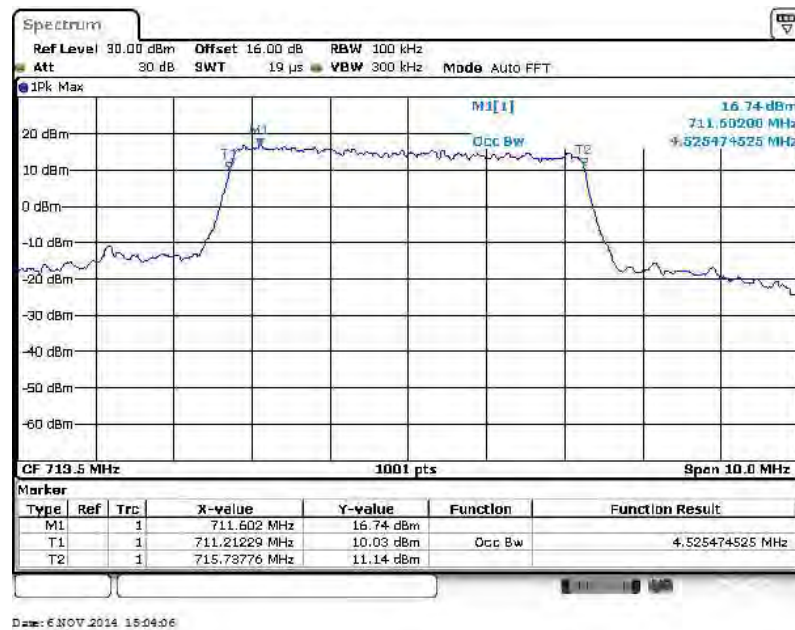


26dB Bandwidth Plot on Channel 23755

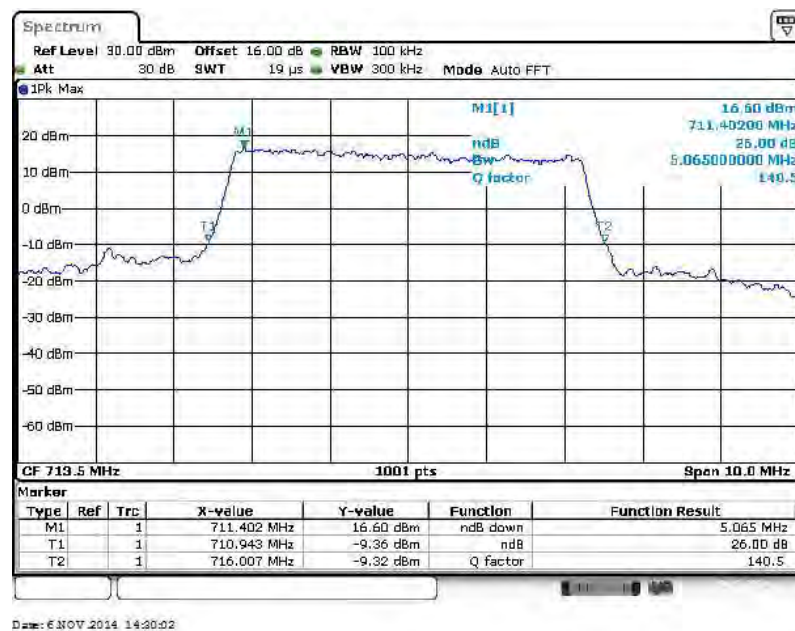


99% Occupied Bandwidth Plot on Channel 23790

26dB Bandwidth Plot on Channel 23790


99% Occupied Bandwidth Plot on Channel 23825

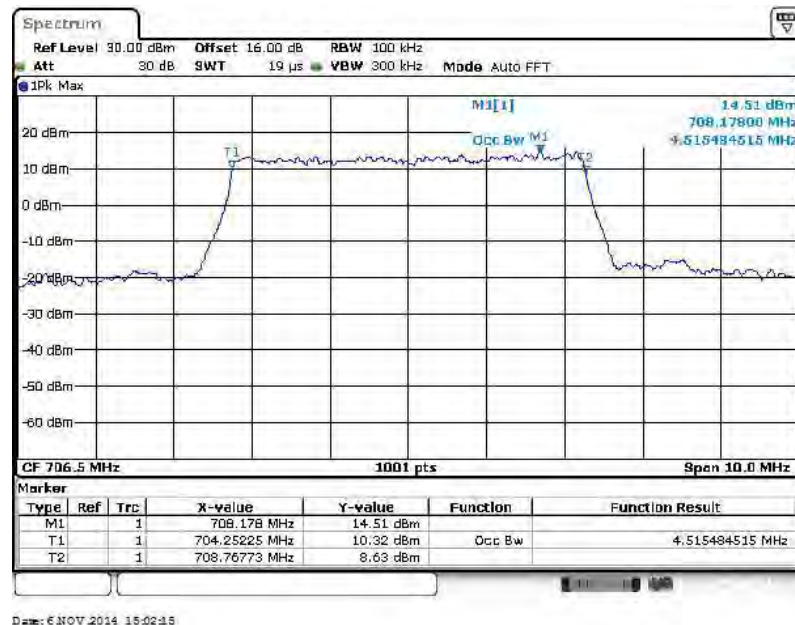


26dB Bandwidth Plot on Channel 23825

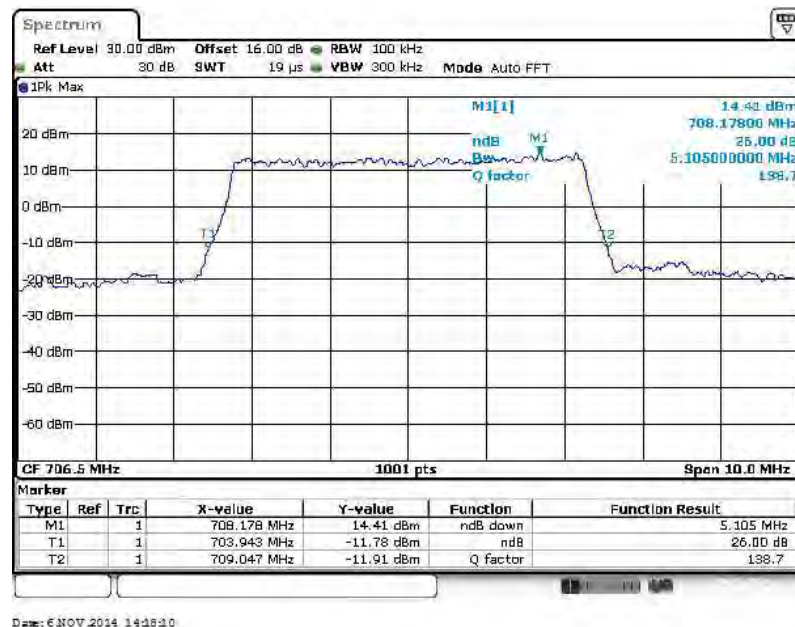


Band :	LTE Band 17	BW / Mod. :	5MHz / 16QAM
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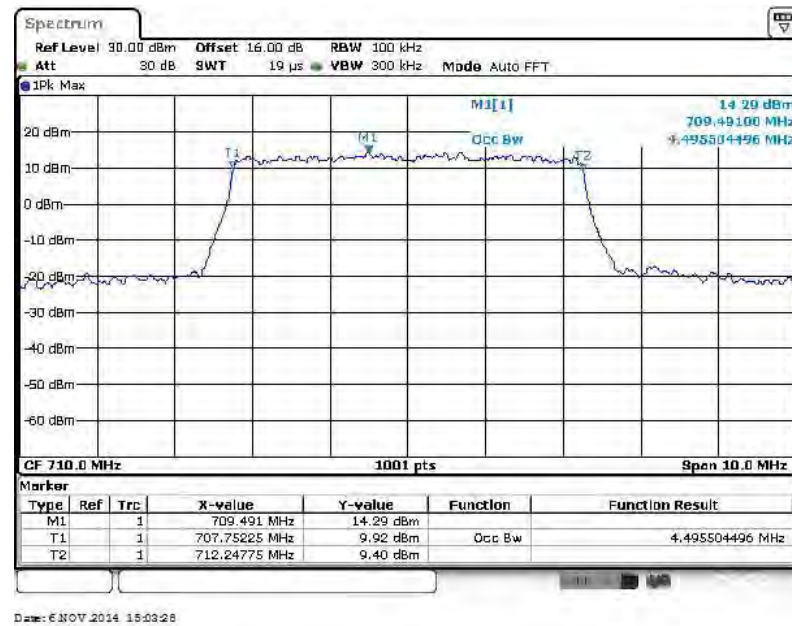
99% Occupied Bandwidth Plot on Channel 23755



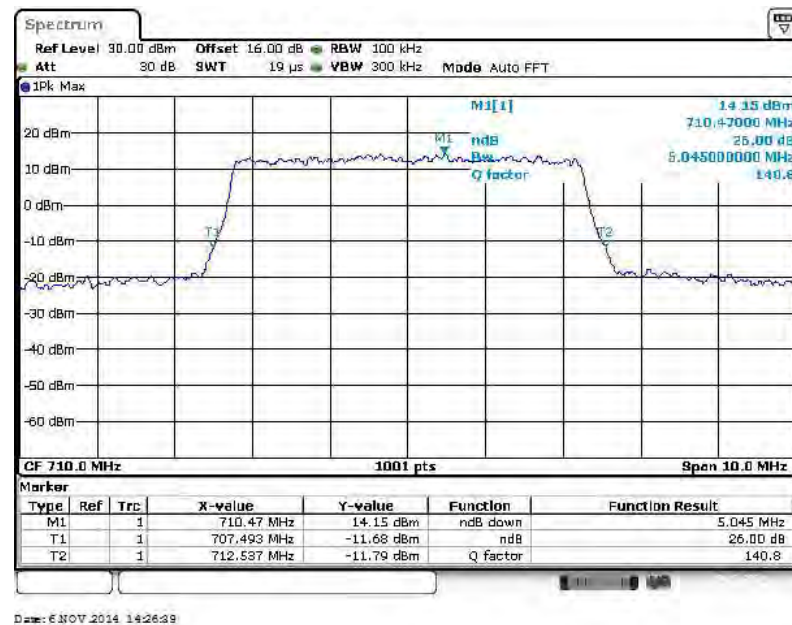
26dB Bandwidth Plot on Channel 23755



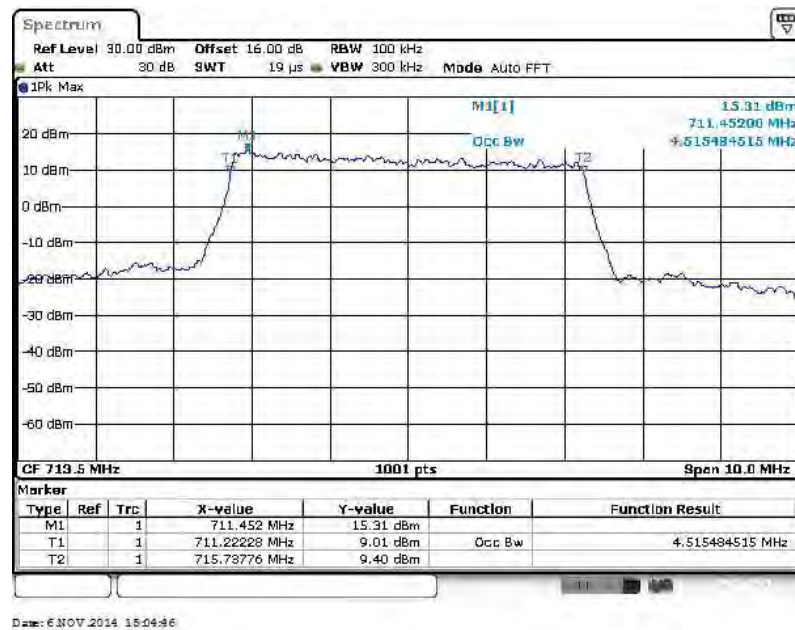
99% Occupied Bandwidth Plot on Channel 23790



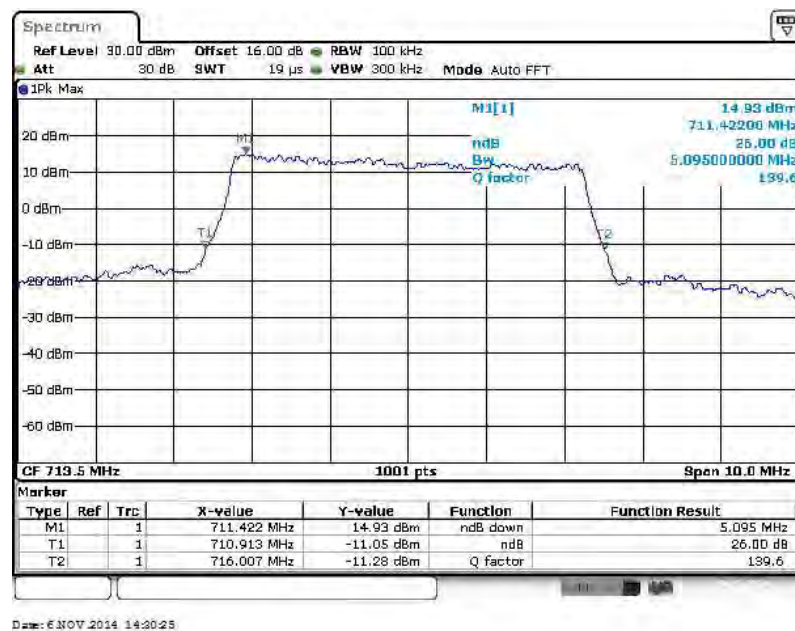
26dB Bandwidth Plot on Channel 23790



99% Occupied Bandwidth Plot on Channel 23825

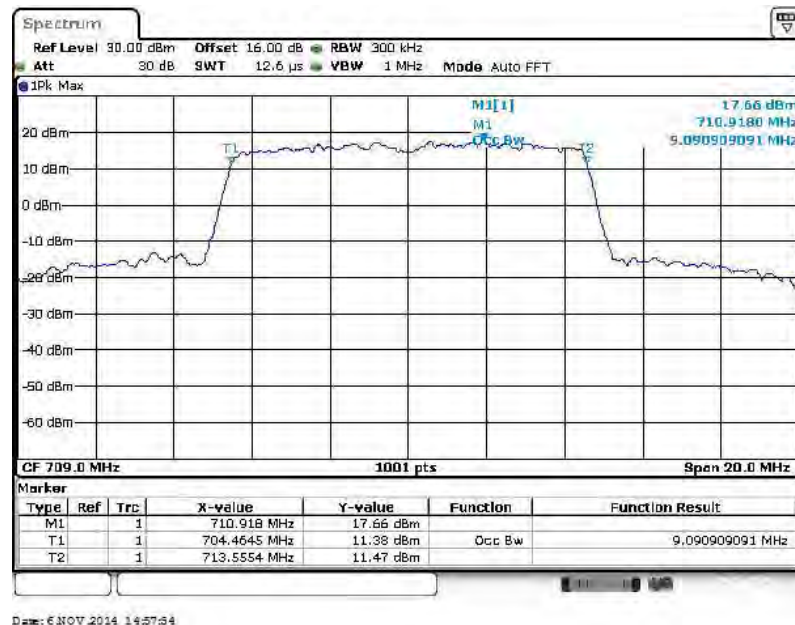


26dB Bandwidth Plot on Channel 23825

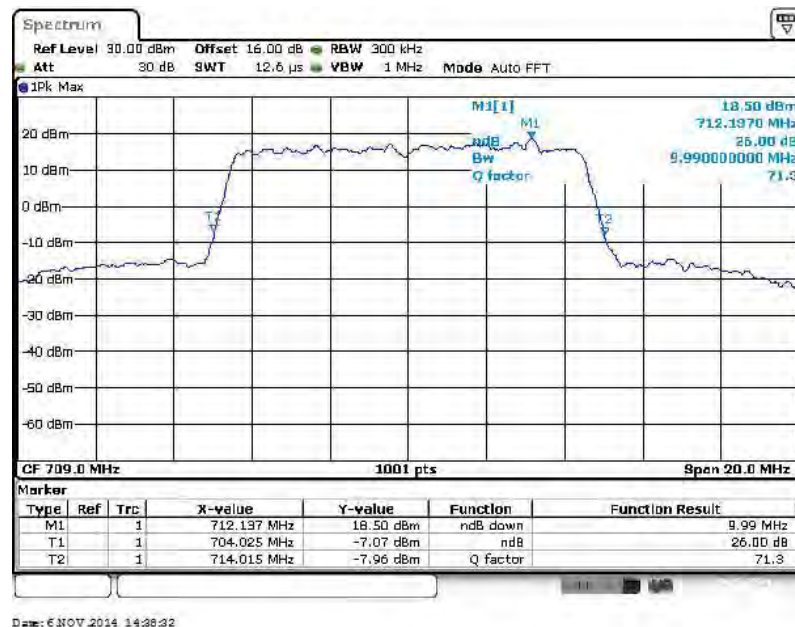


Band :	LTE Band 17	BW / Mod. :	10MHz / QPSK
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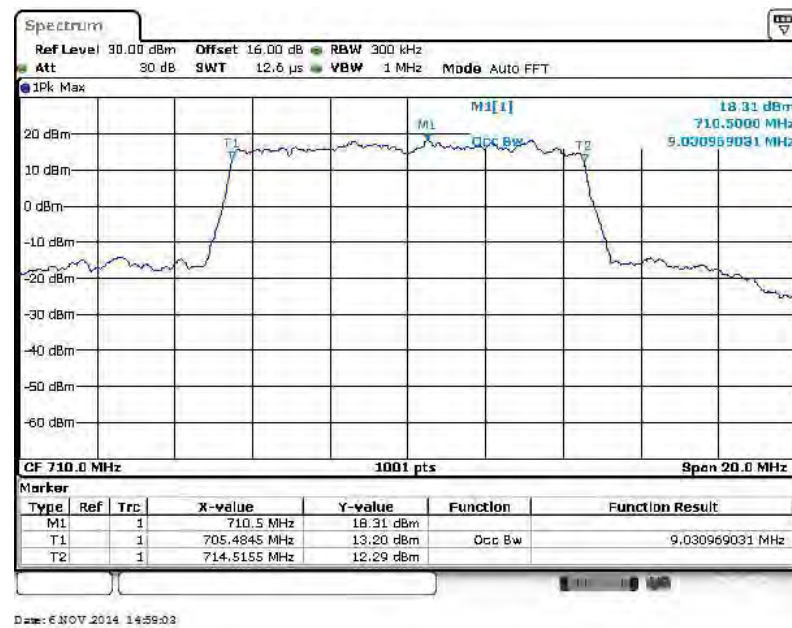
99% Occupied Bandwidth Plot on Channel 23780



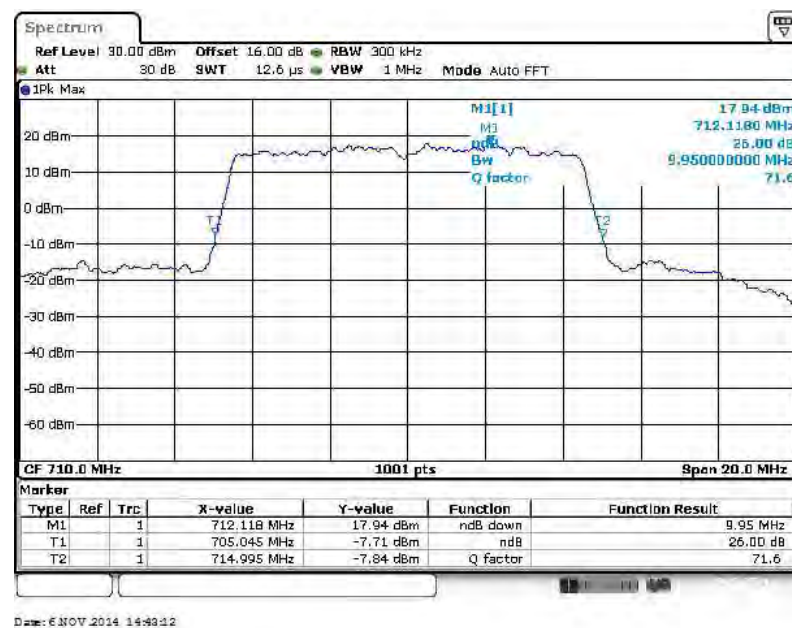
26dB Bandwidth Plot on Channel 23780

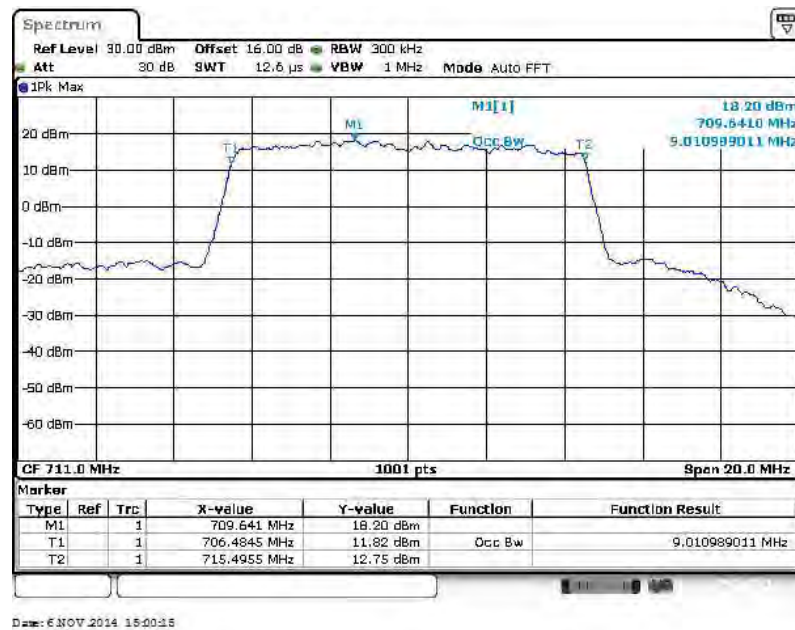
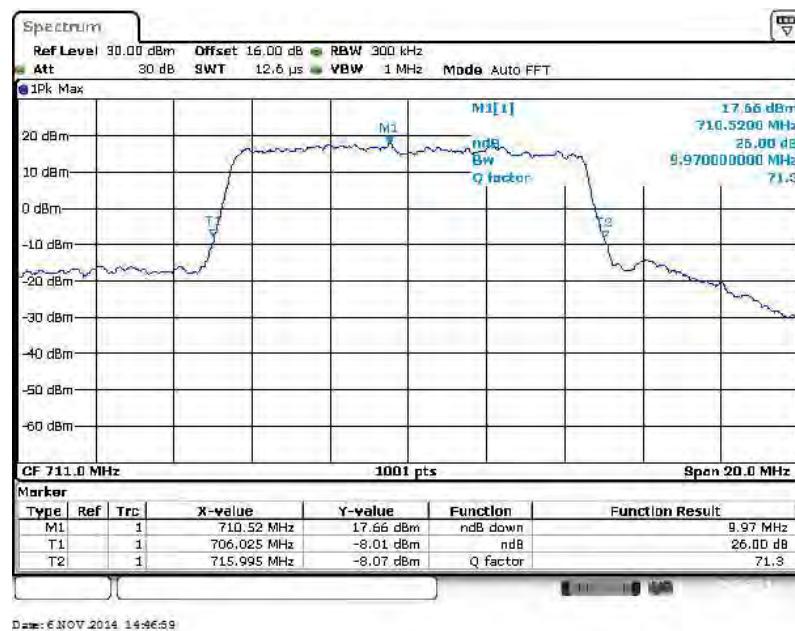


99% Occupied Bandwidth Plot on Channel 23790



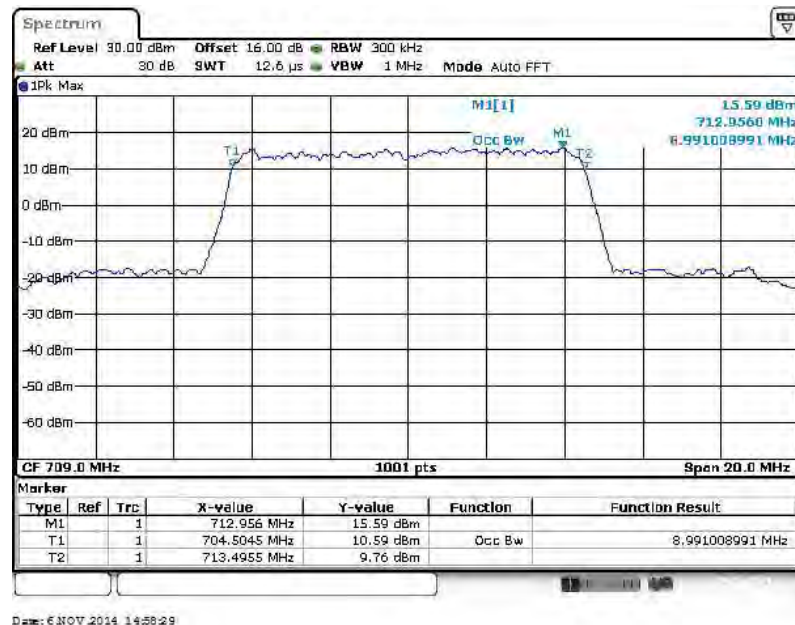
26dB Bandwidth Plot on Channel 23790



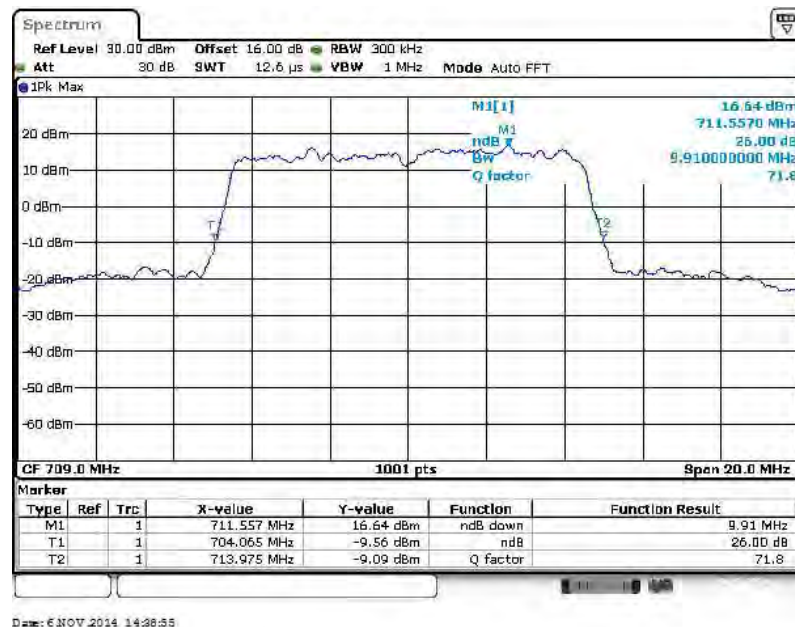
99% Occupied Bandwidth Plot on Channel 23800

26dB Bandwidth Plot on Channel 23800


Band :	LTE Band 17	BW / Mod. :	10MHz / 16QAM
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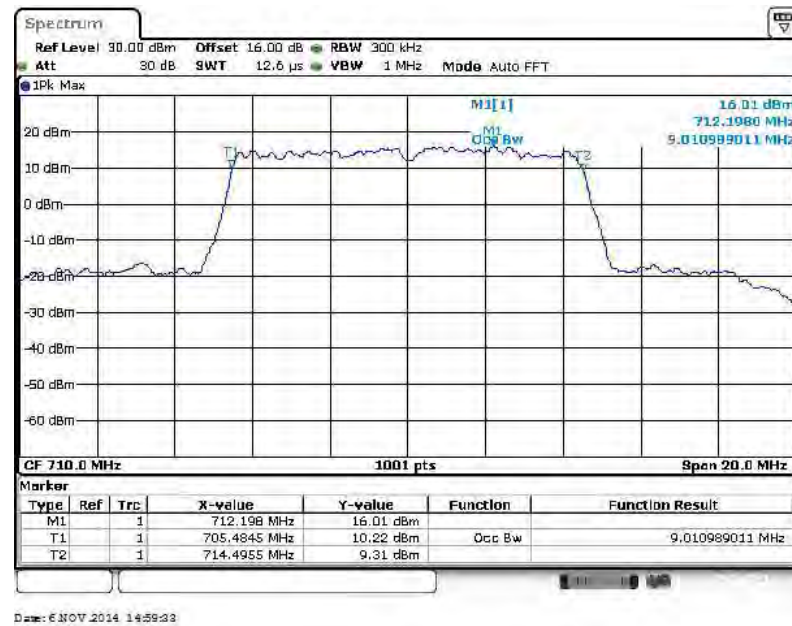
99% Occupied Bandwidth Plot on Channel 23780



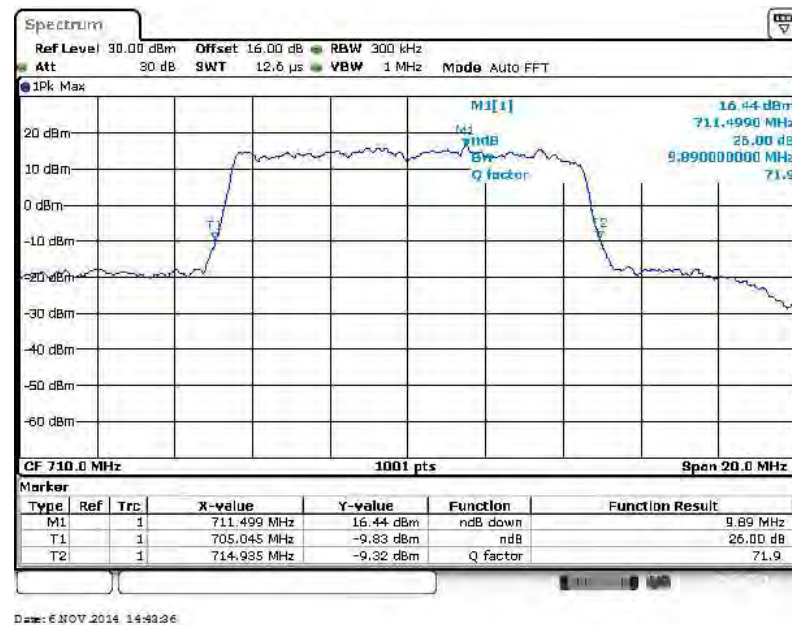
26dB Bandwidth Plot on Channel 23780



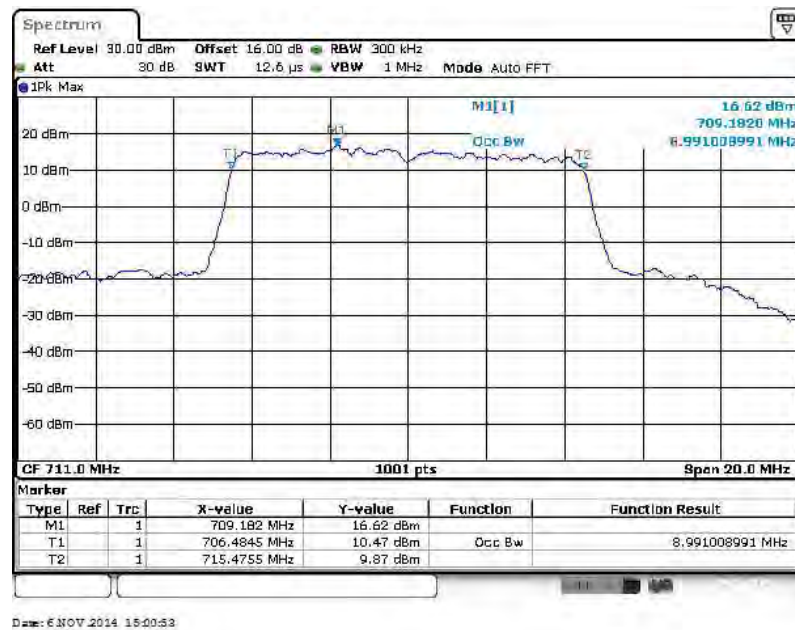
99% Occupied Bandwidth Plot on Channel 23790



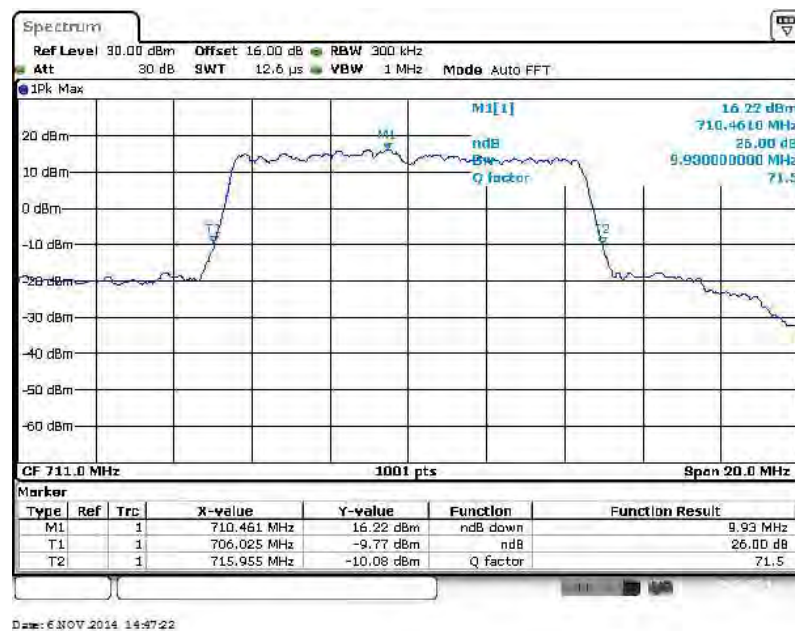
26dB Bandwidth Plot on Channel 23790



99% Occupied Bandwidth Plot on Channel 23800



26dB Bandwidth Plot on Channel 23800



3.5 Conducted Band Edge Measurement

3.5.1 Description of Conducted Band Edge Measurement

24.238 (a) for Band 2

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, 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.

27.53 (h) for Band 4

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (g) for Band 17

For operations in the 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. 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.

27.53(m)(4) for Band 7

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.

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The EUT was connected to spectrum analyzer and LTE base station via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
3. Set spectrum analyzer with RMS detector.
4. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
5. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm.}$$

<For Band 7>

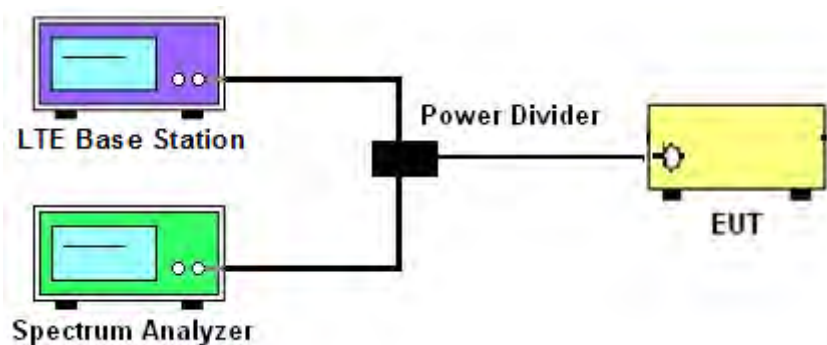
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [55 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)}$$

$$= -25\text{dBm.}$$

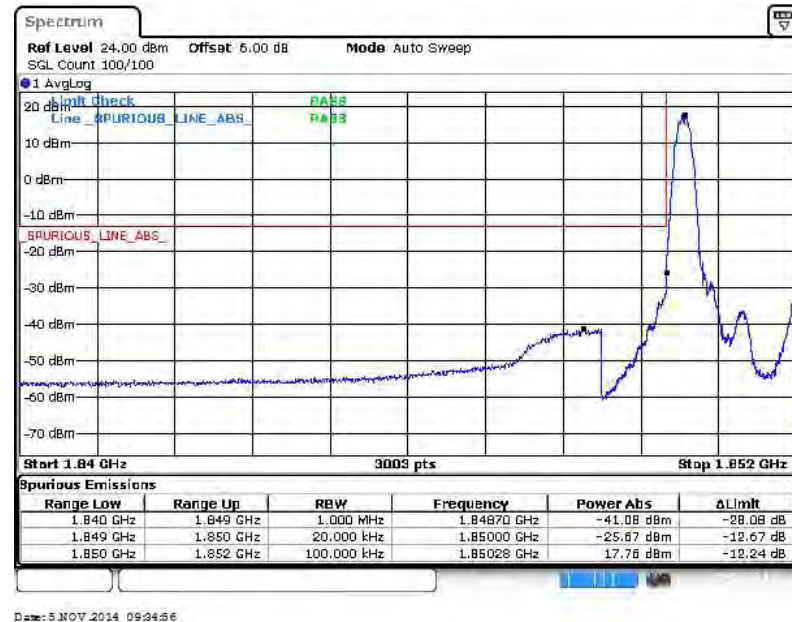
3.5.4 Test Setup



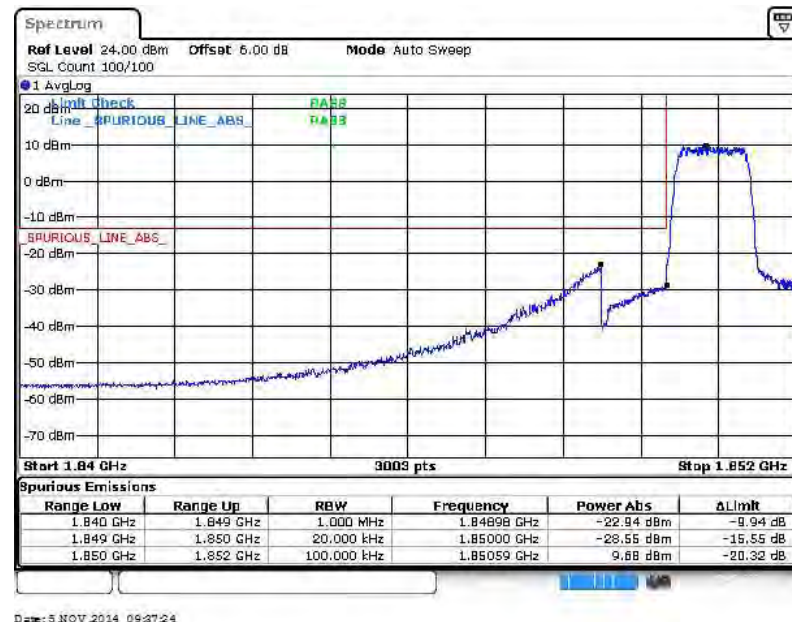
3.5.5 Test Result (Plots) of Conducted Band Edge

Band :	LTE Band 2	Band Width :	1.4MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

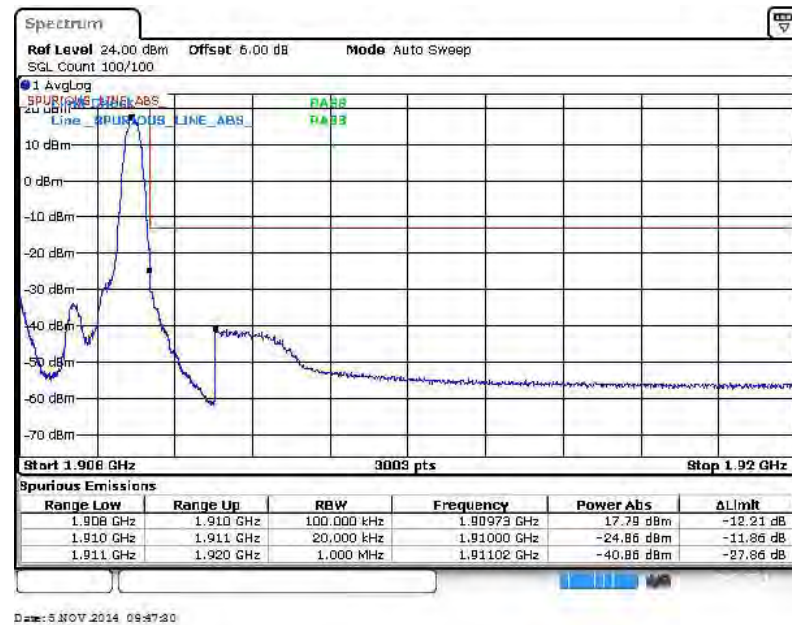


Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0

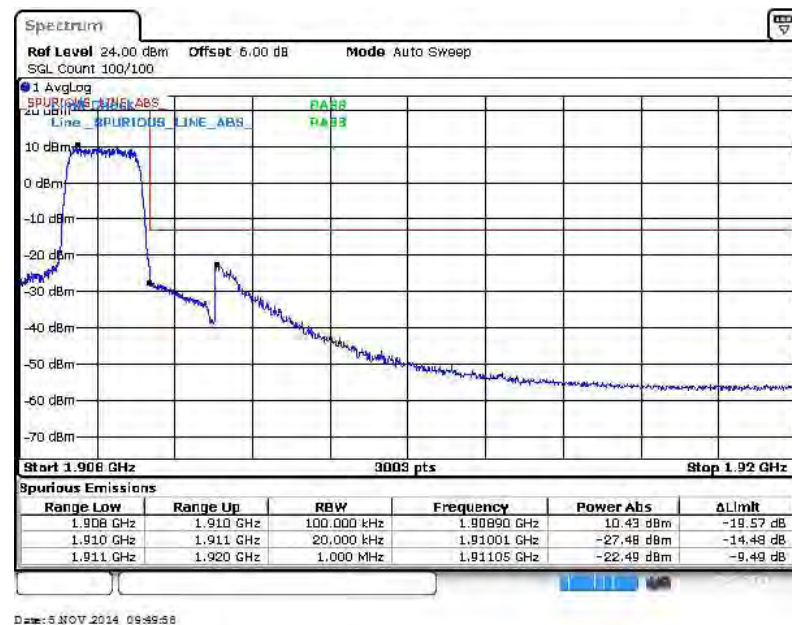




Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5

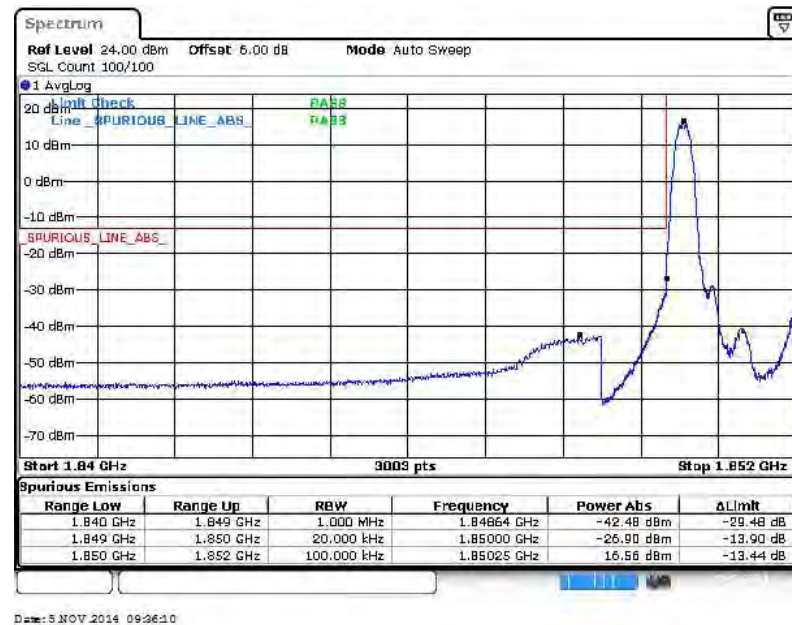


Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0

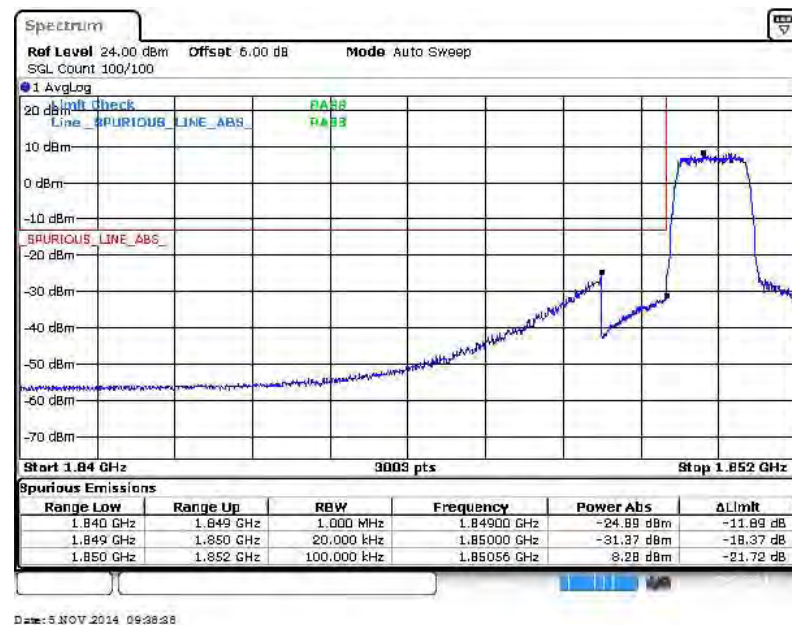


Band :	LTE Band 2	Band Width :	1.4MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0

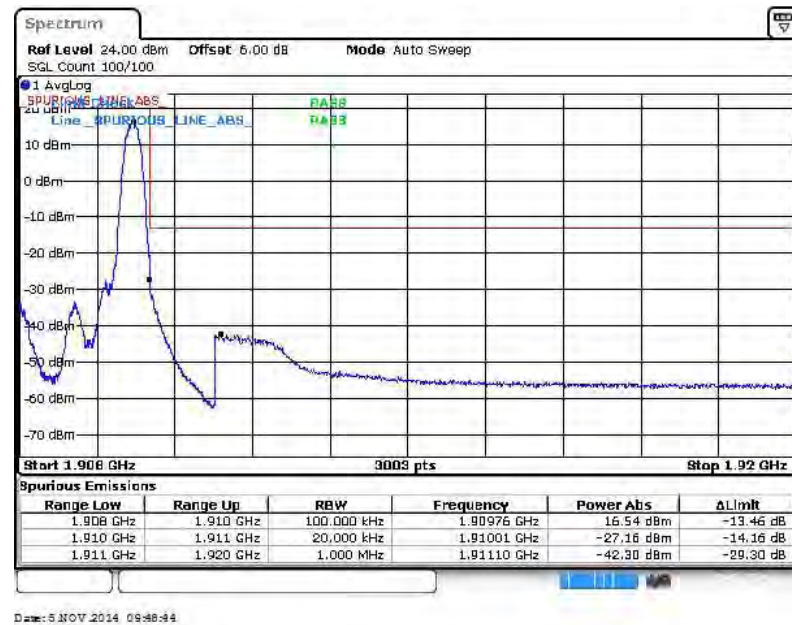


Lower Band Edge Plot for 16QAM -RB Size 6, RB Offset 0

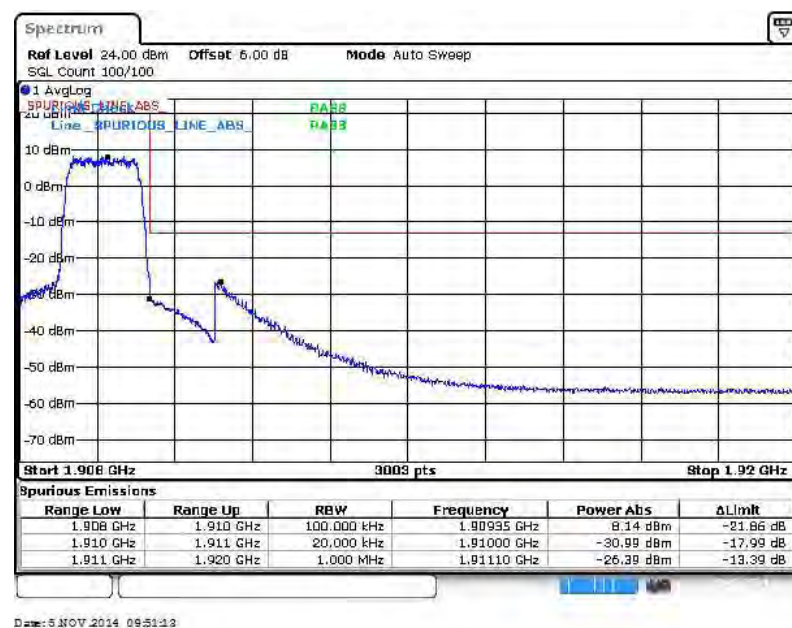




Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 5

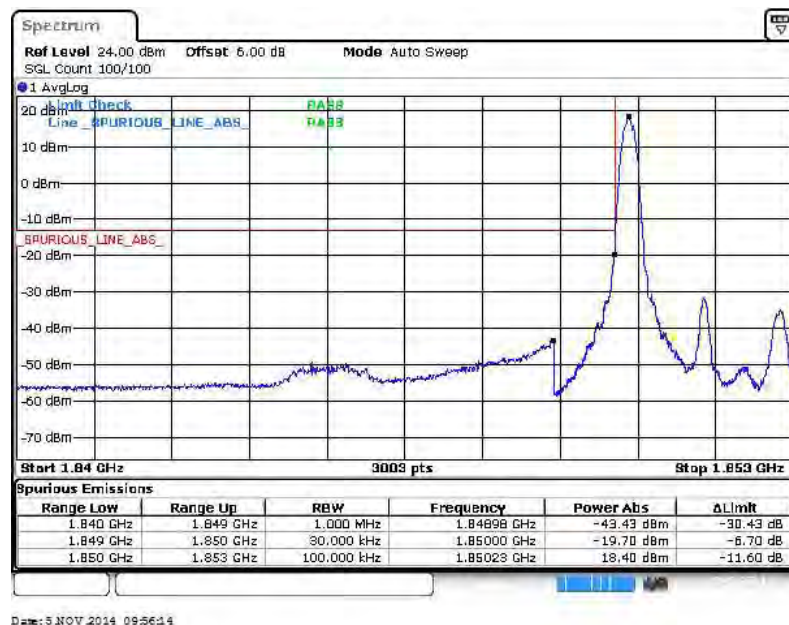


Higher Band Edge Plot for 16QAM -RB Size 6, RB Offset 0

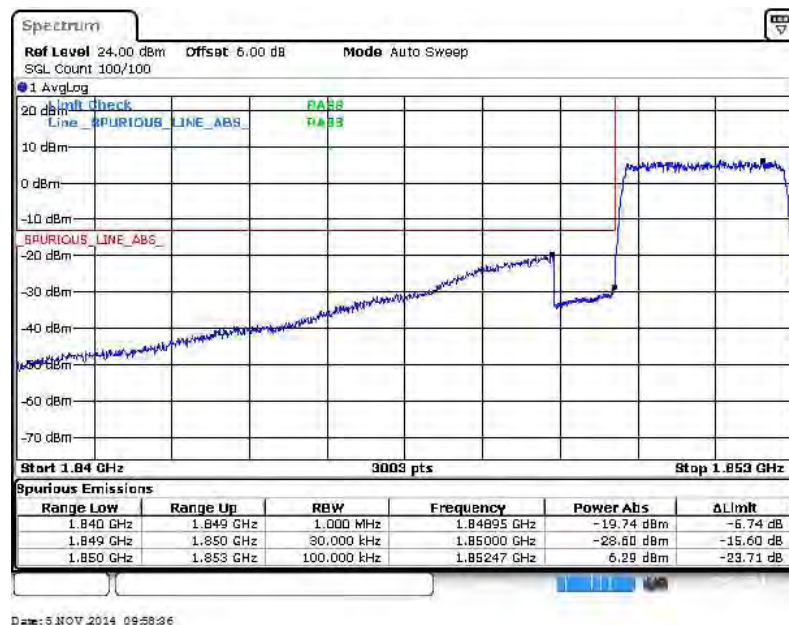


Band :	LTE Band 2	Band Width :	3MHz / QPSK
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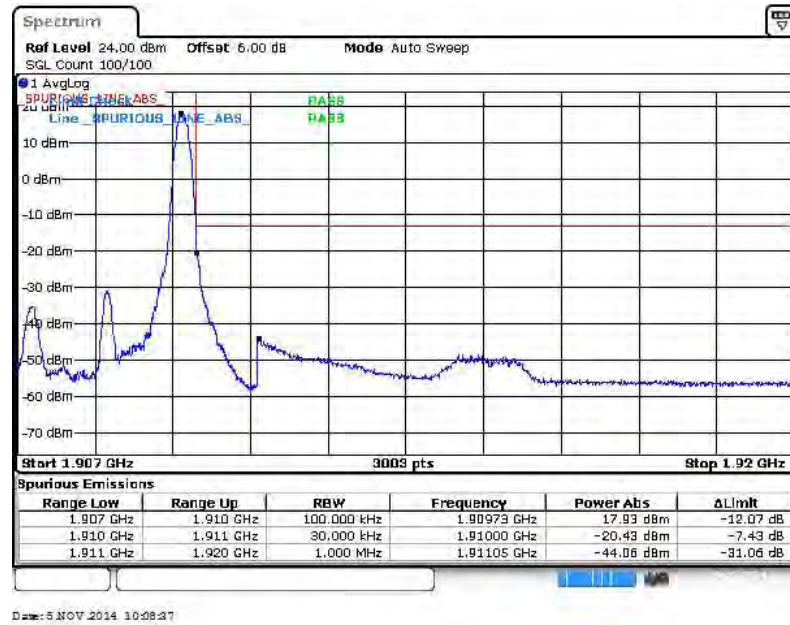
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



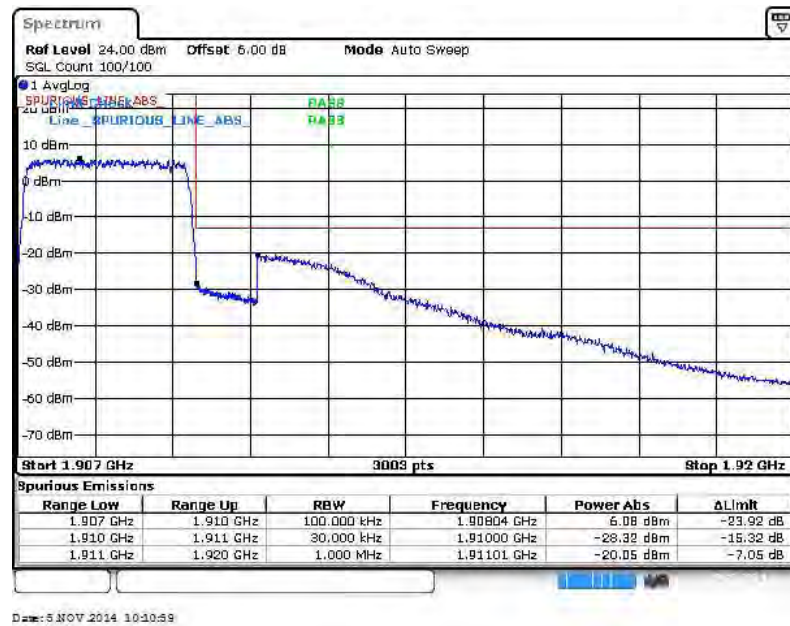
Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14

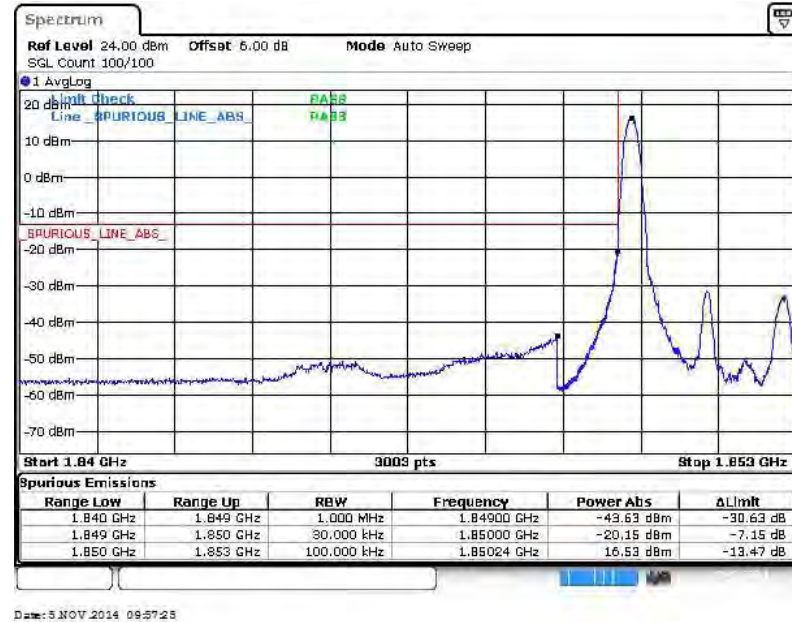


Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0

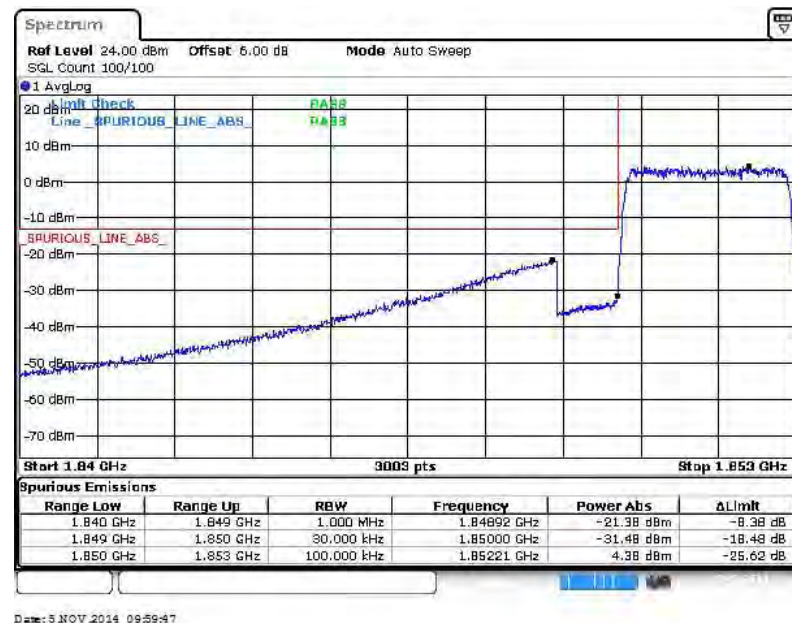


Band :	LTE Band 2	Band Width :	3MHz / 16QAM
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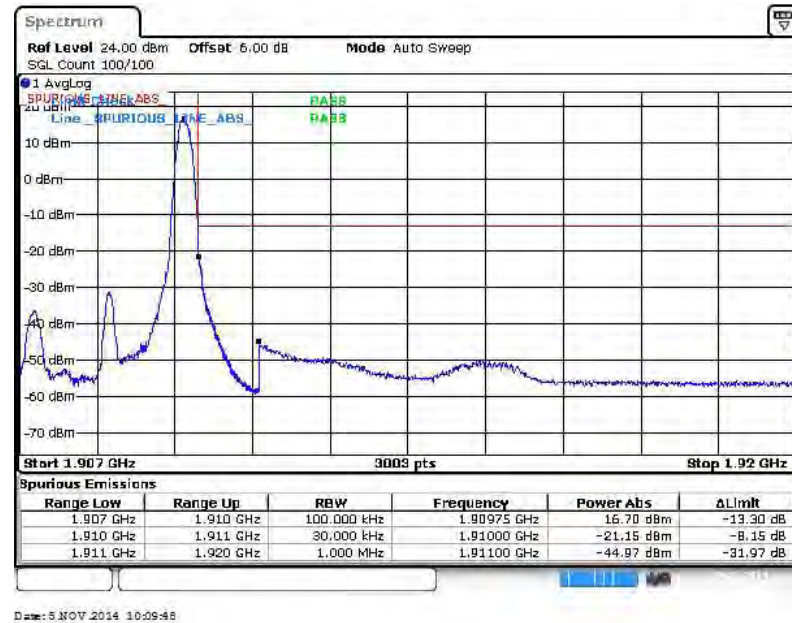
Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



Lower Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 14

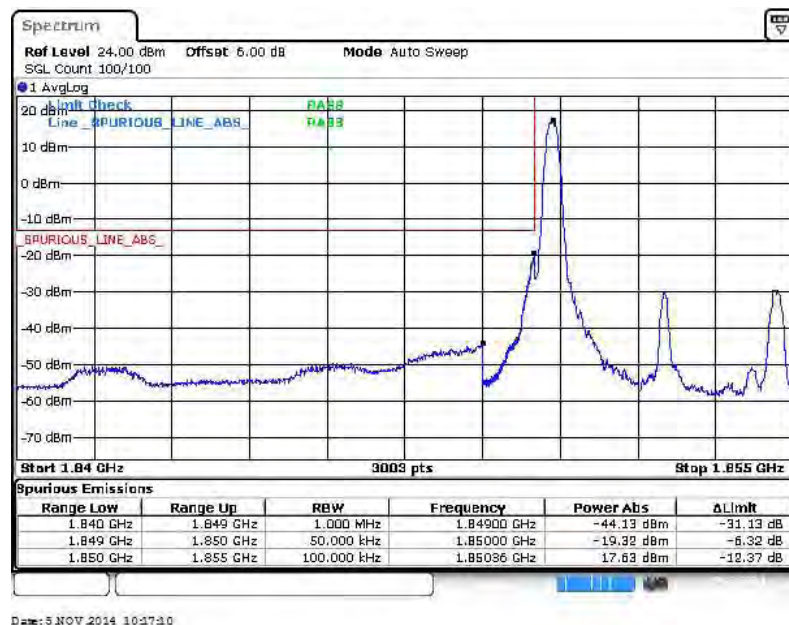


Higher Band Edge Plot for 16QAM -RB Size 15, RB Offset 0

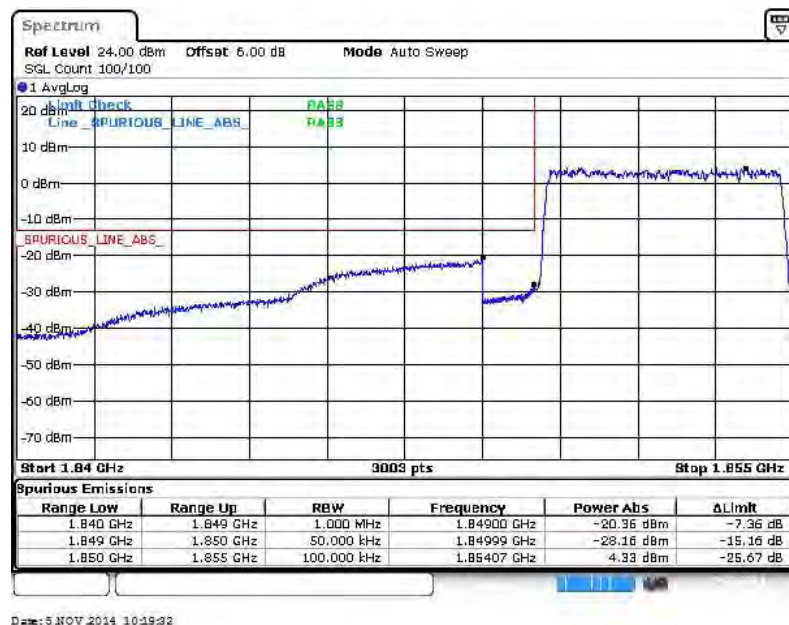


Band :	LTE Band 2	Band Width :	5MHz / QPSK
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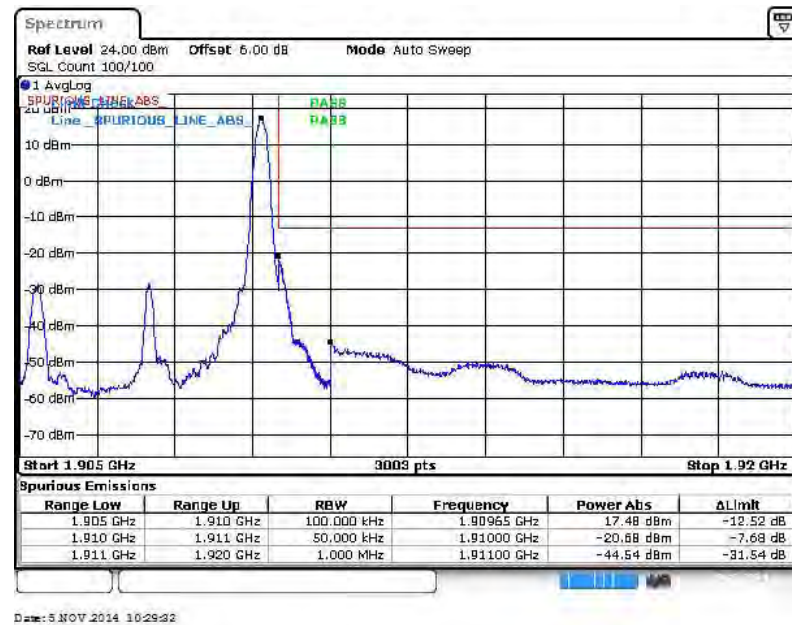
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



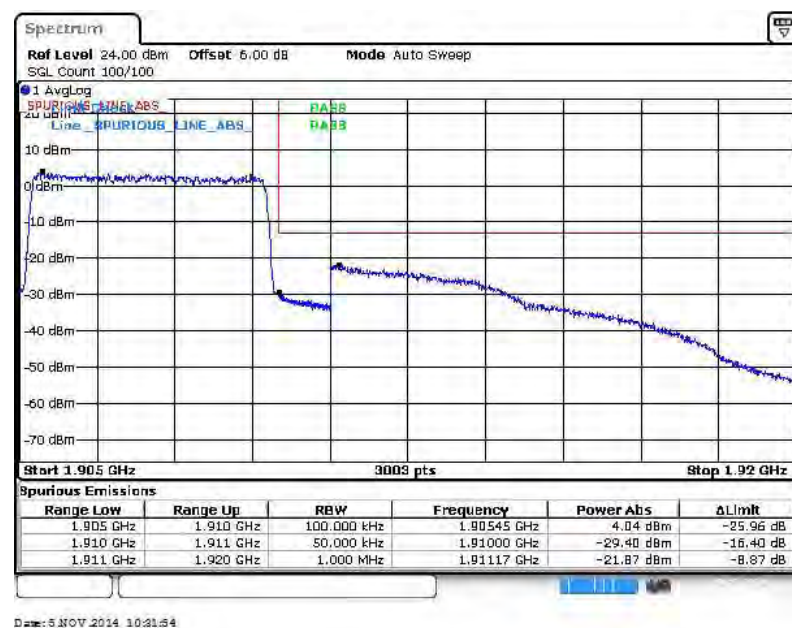
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



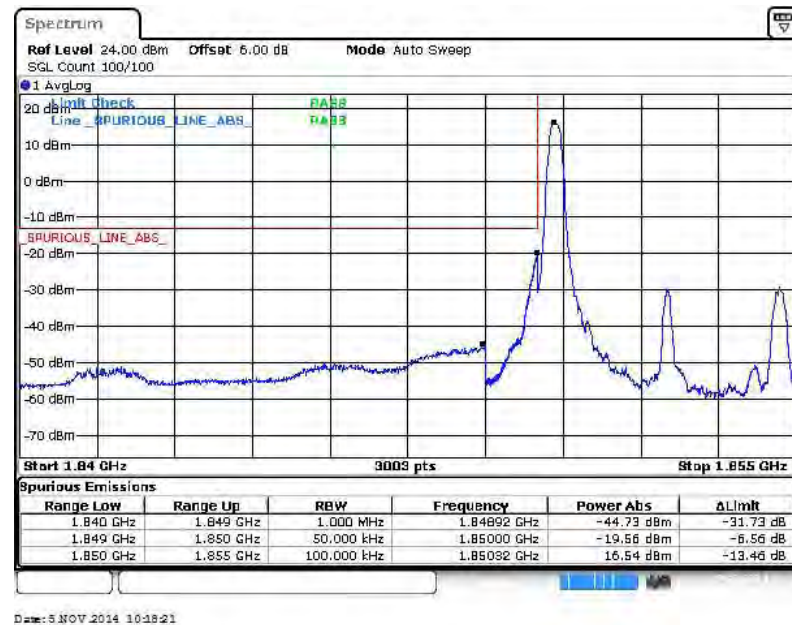
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



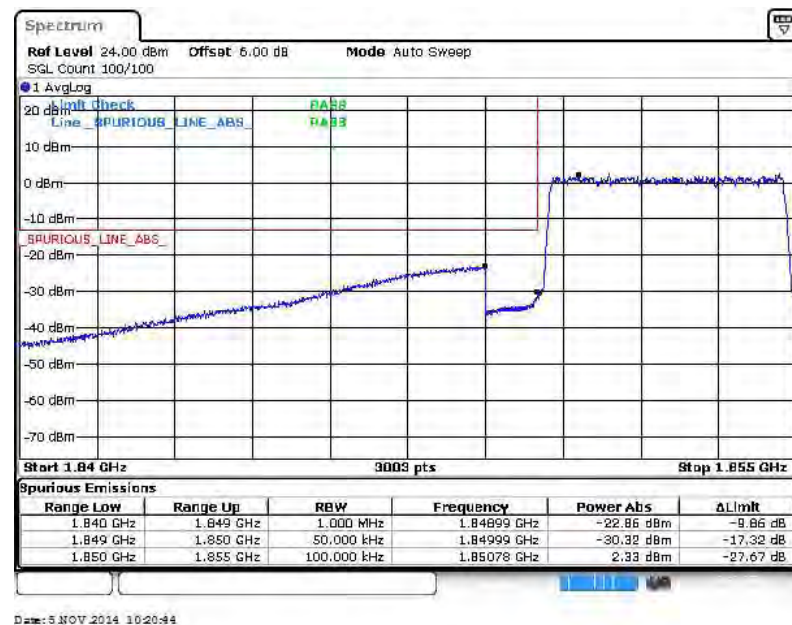


Band :	LTE Band 2	Band Width :	5MHz / 16QAM
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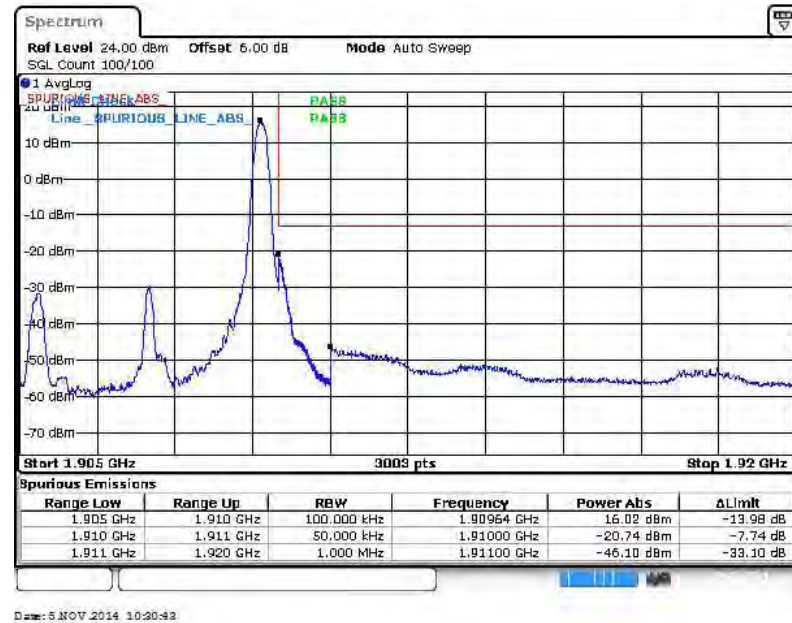
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



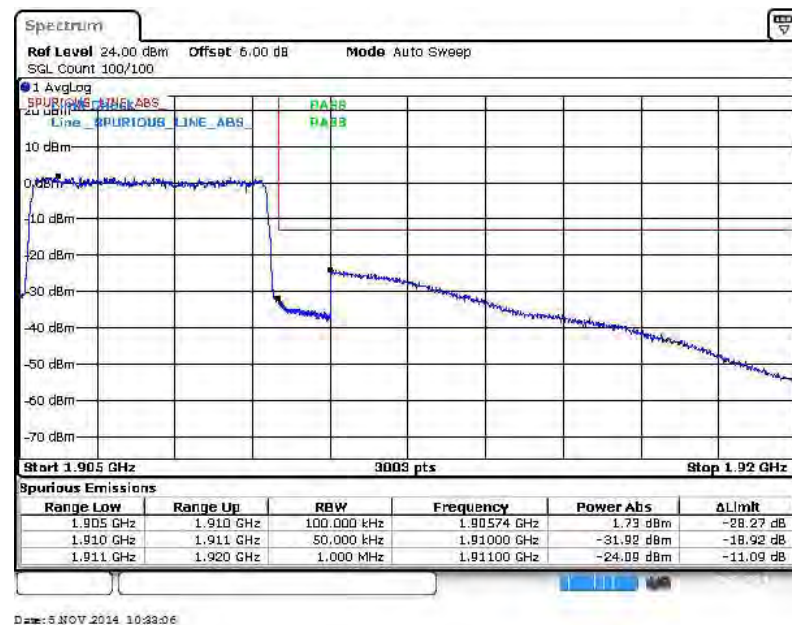
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



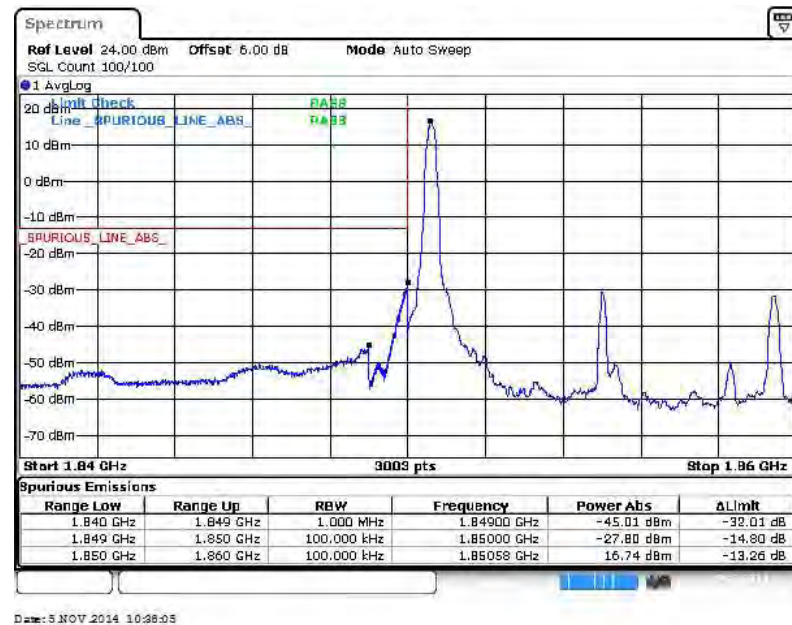
Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



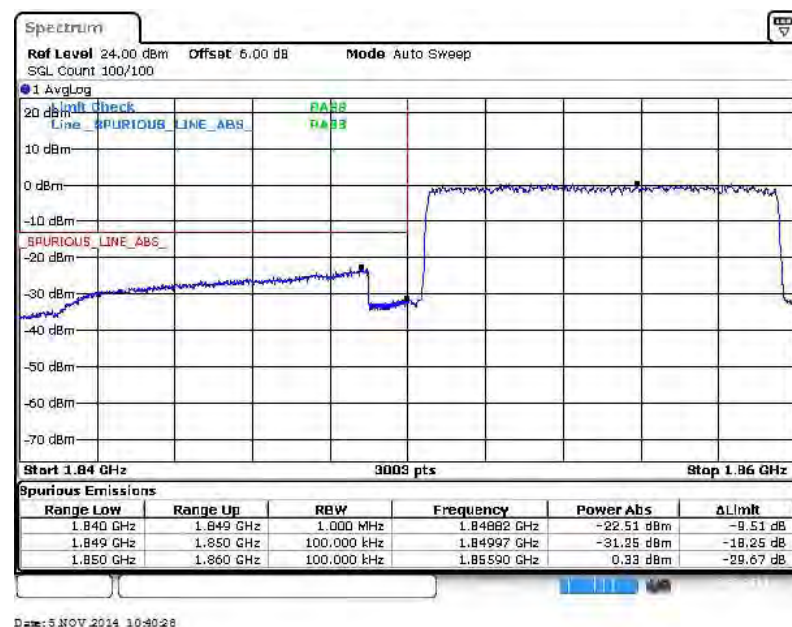


Band :	LTE Band 2	Band Width :	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

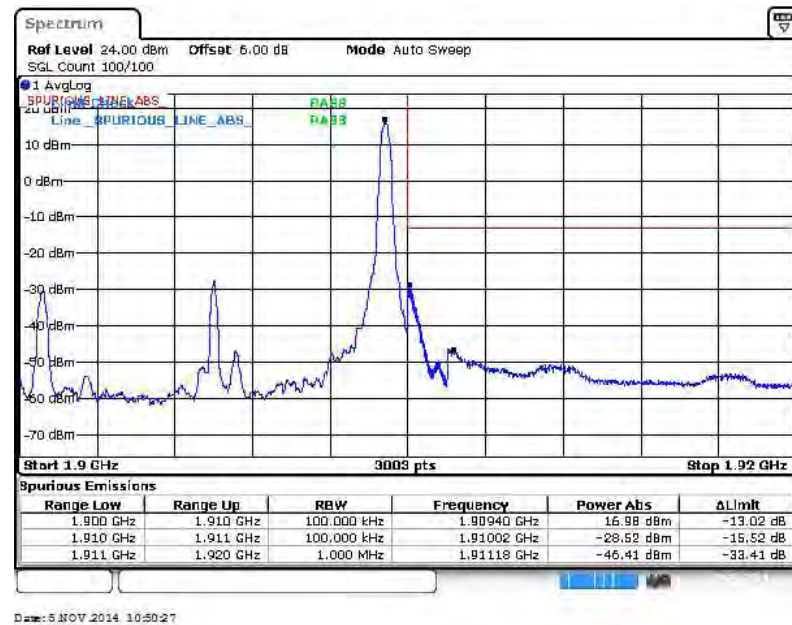


Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0

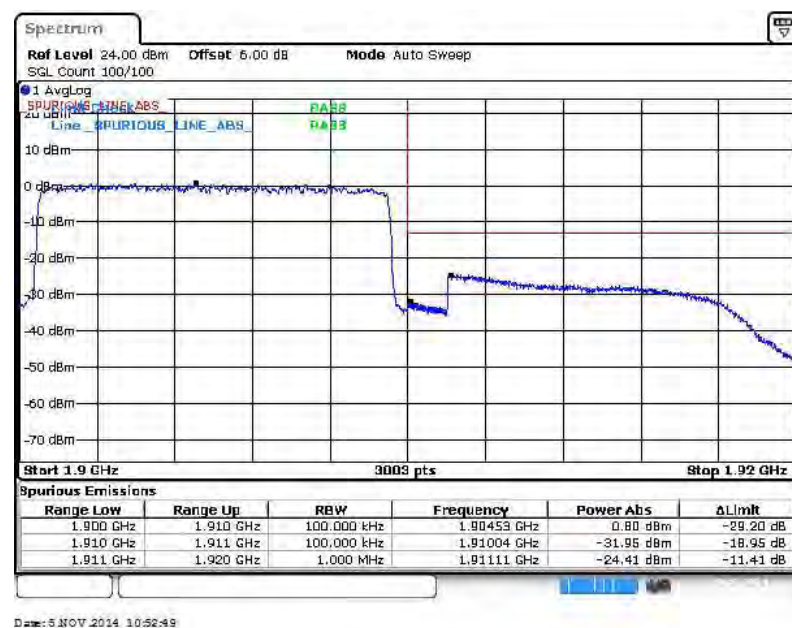




Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49

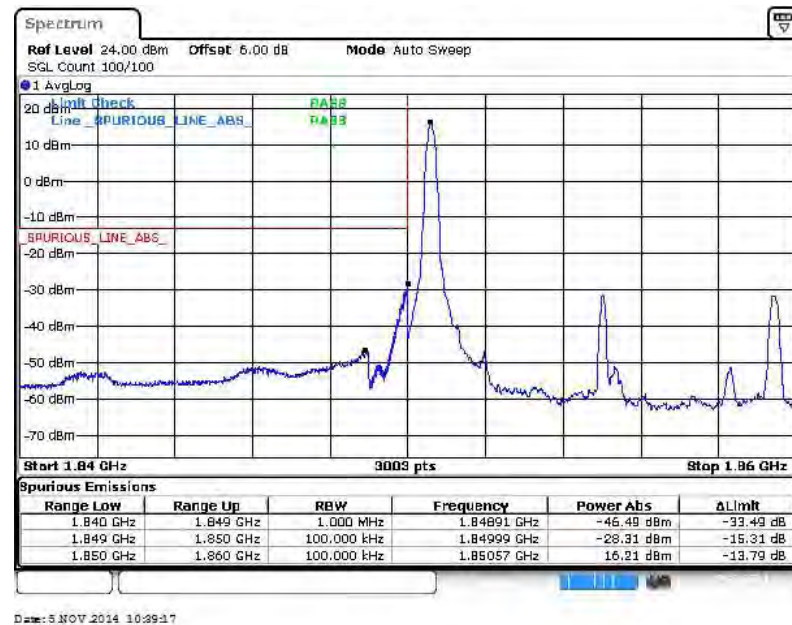


Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

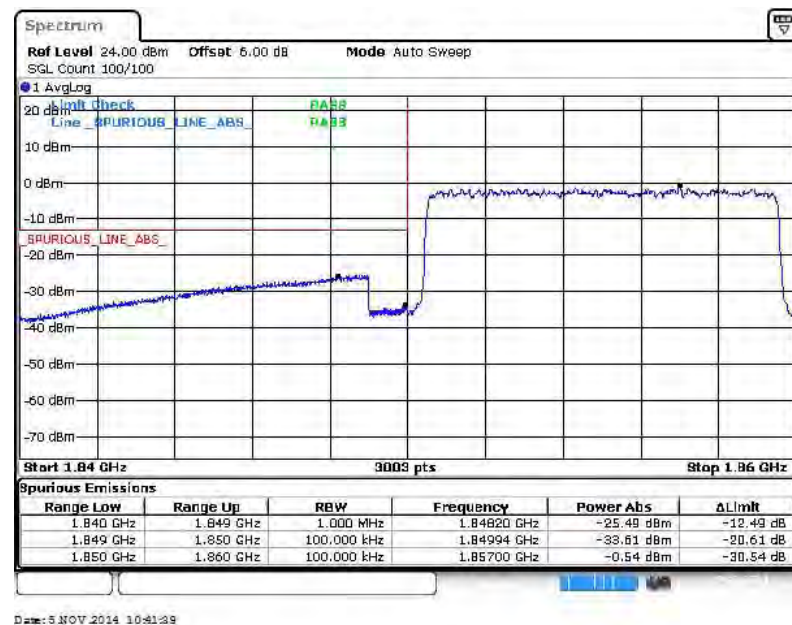


Band :	LTE Band 2	Band Width :	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

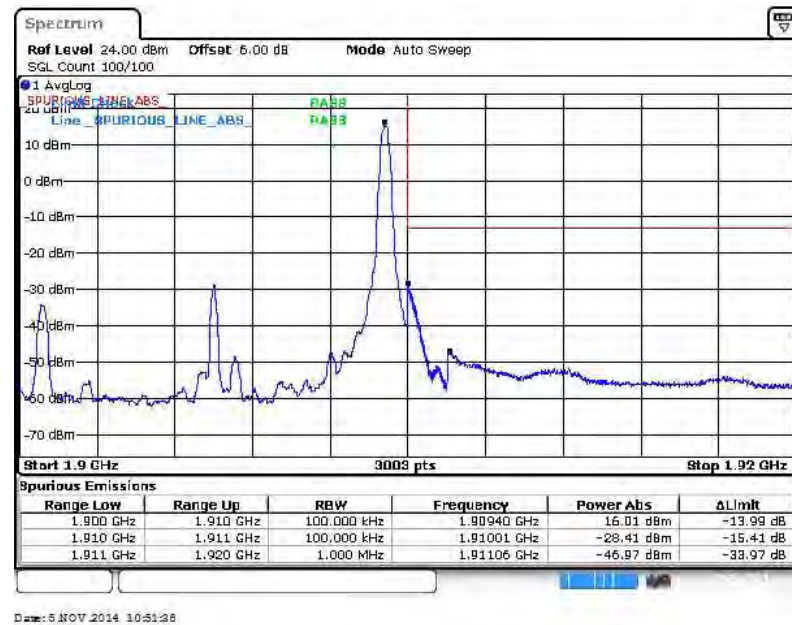


Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0

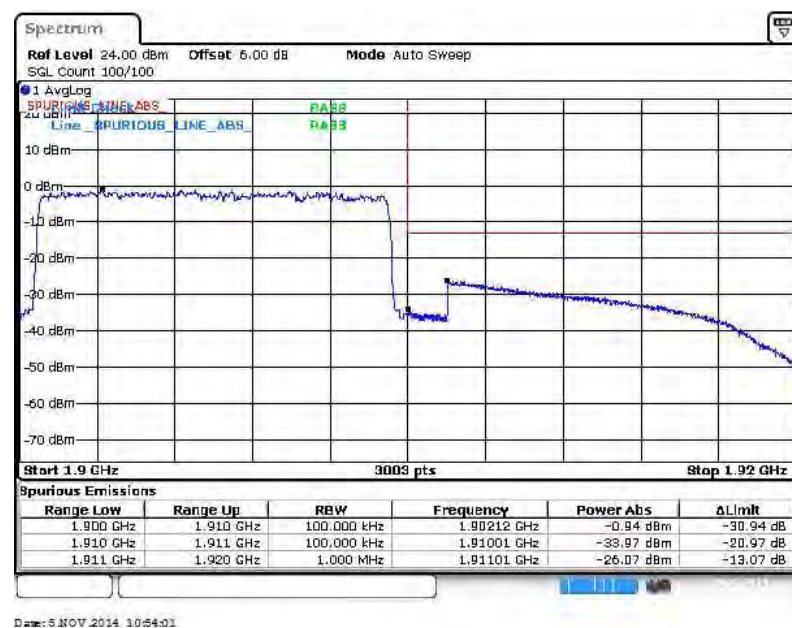




Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49

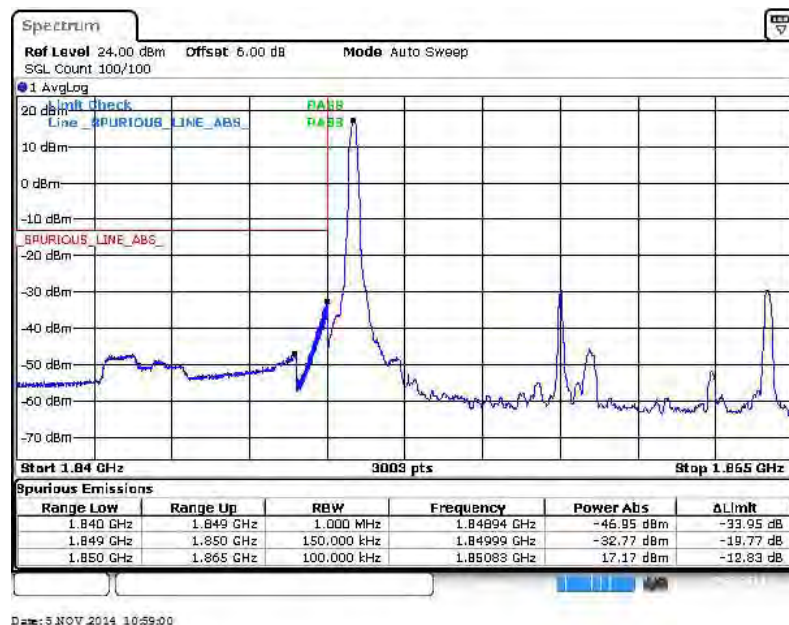


Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0

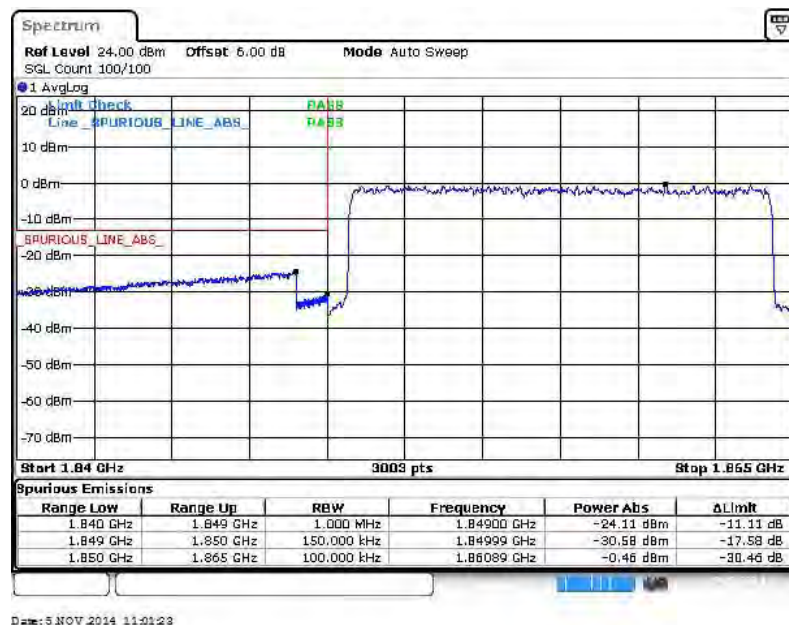


Band :	LTE Band 2	Band Width :	15MHz / QPSK
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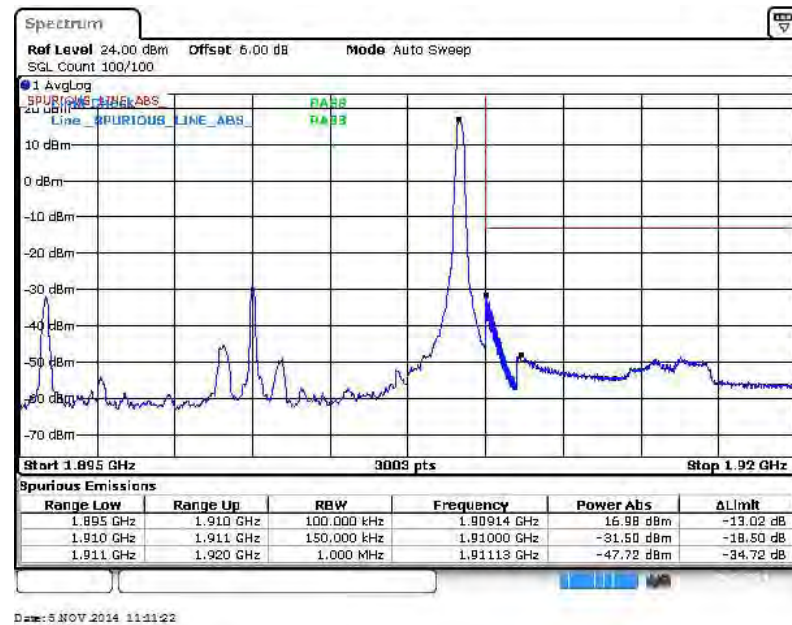
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



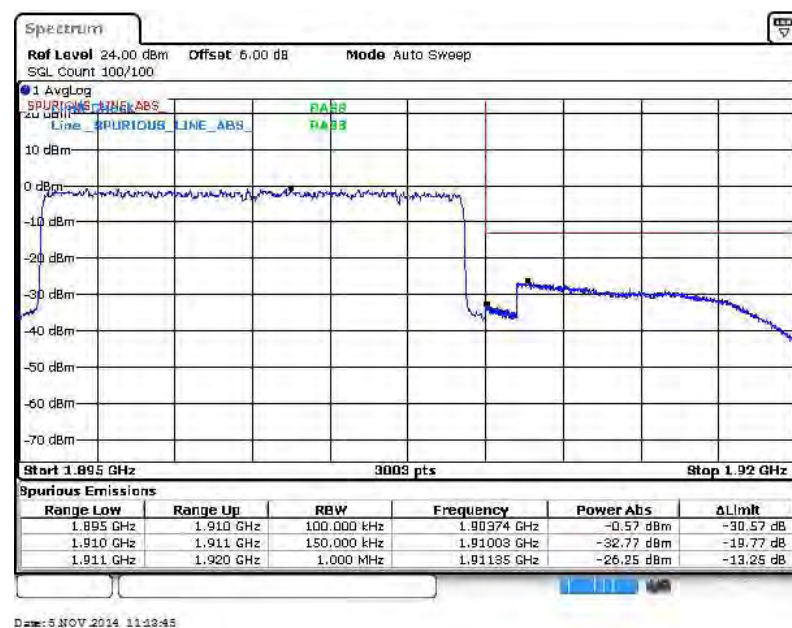
Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74

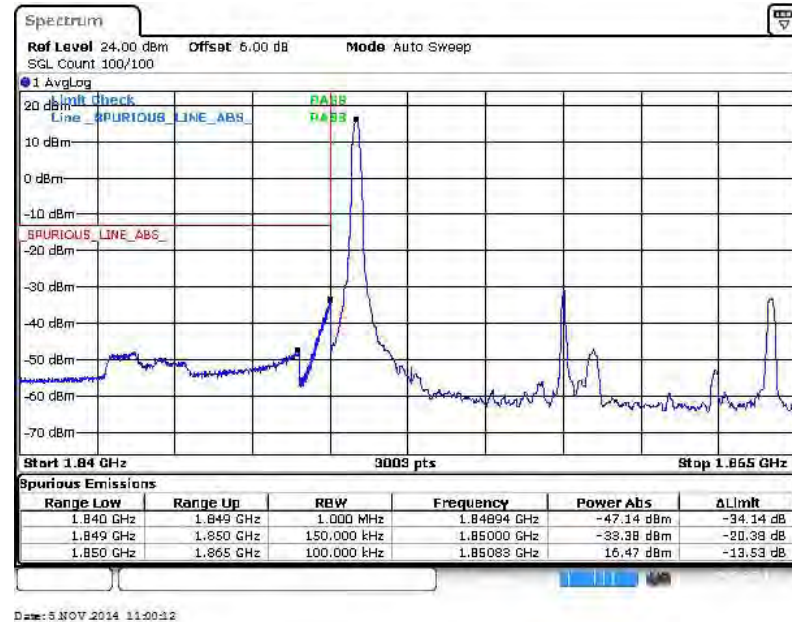


Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0

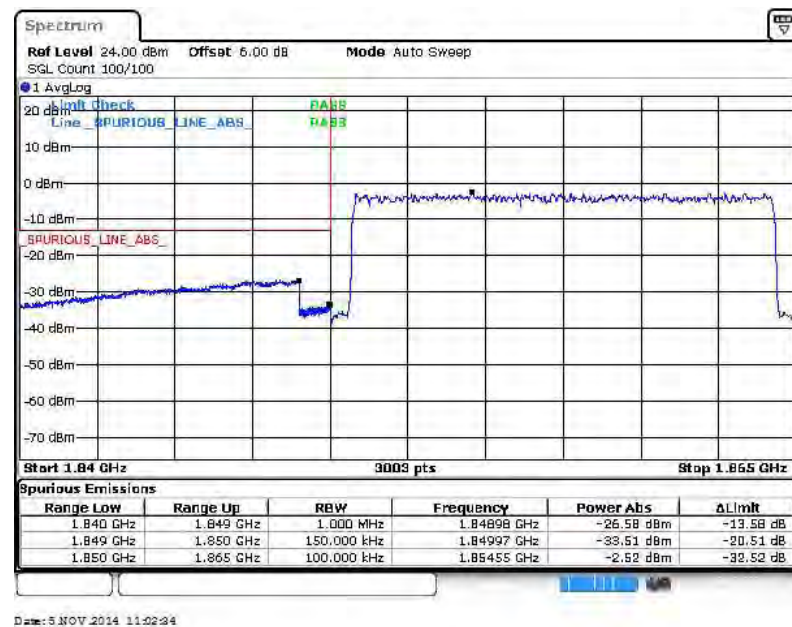


Band :	LTE Band 2	Band Width :	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

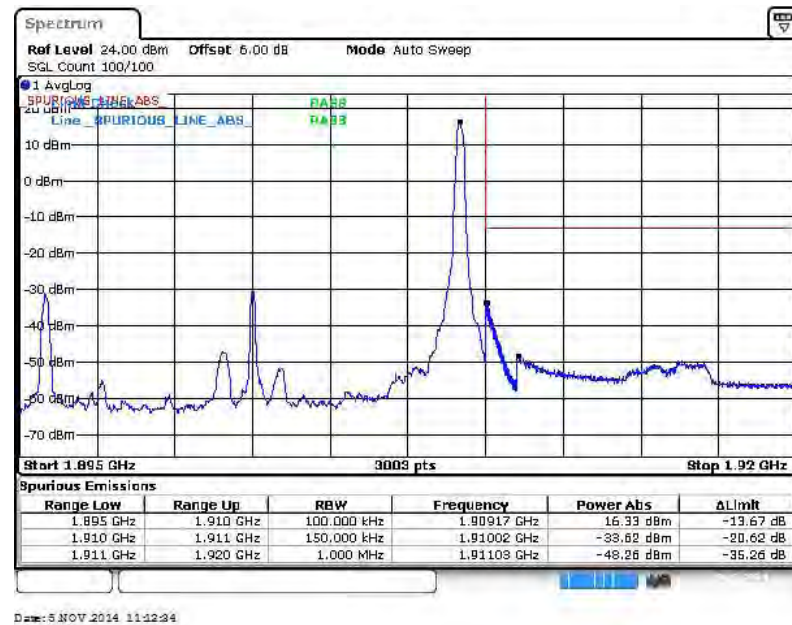


Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

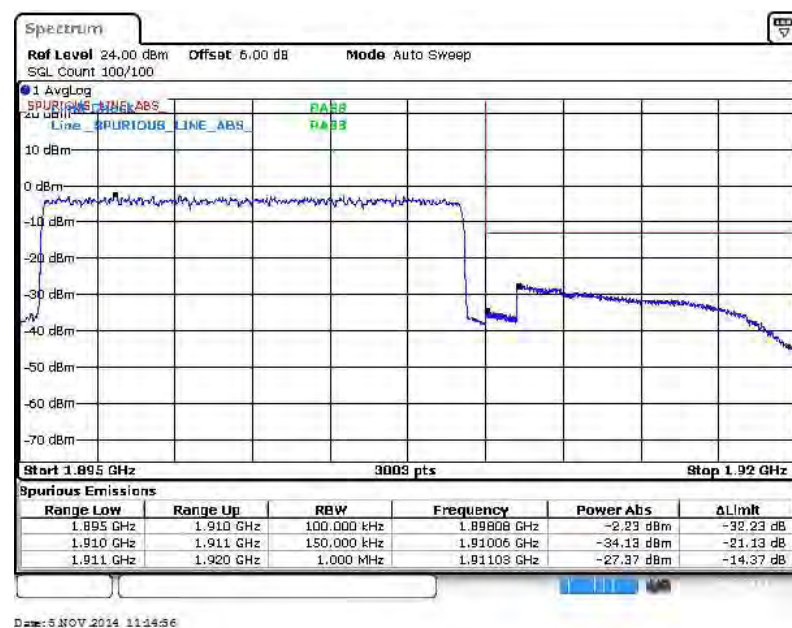




Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74

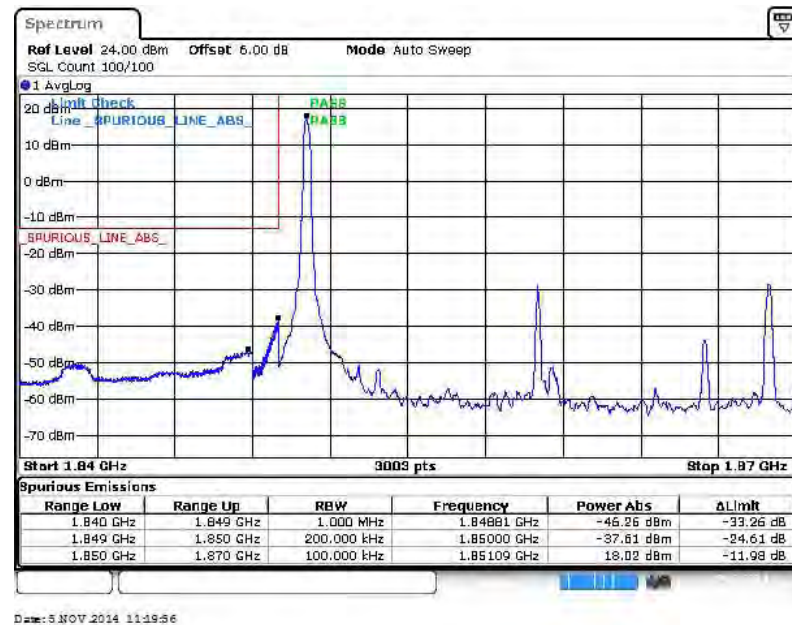


Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

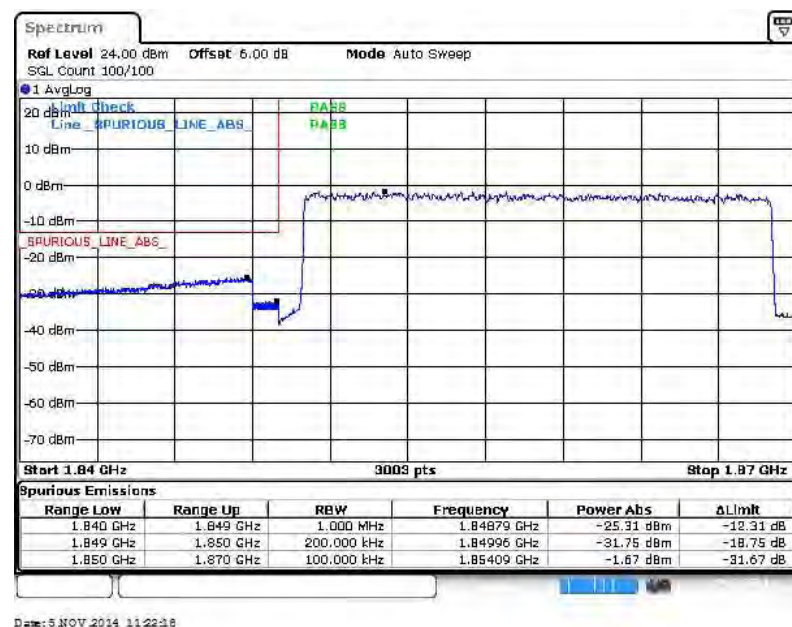


Band :	LTE Band 2	Band Width :	20MHz / QPSK
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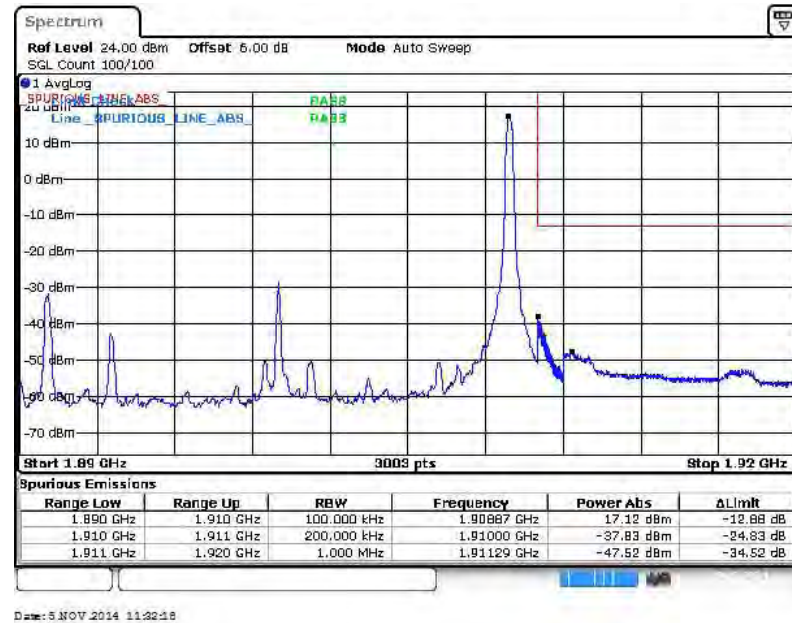
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



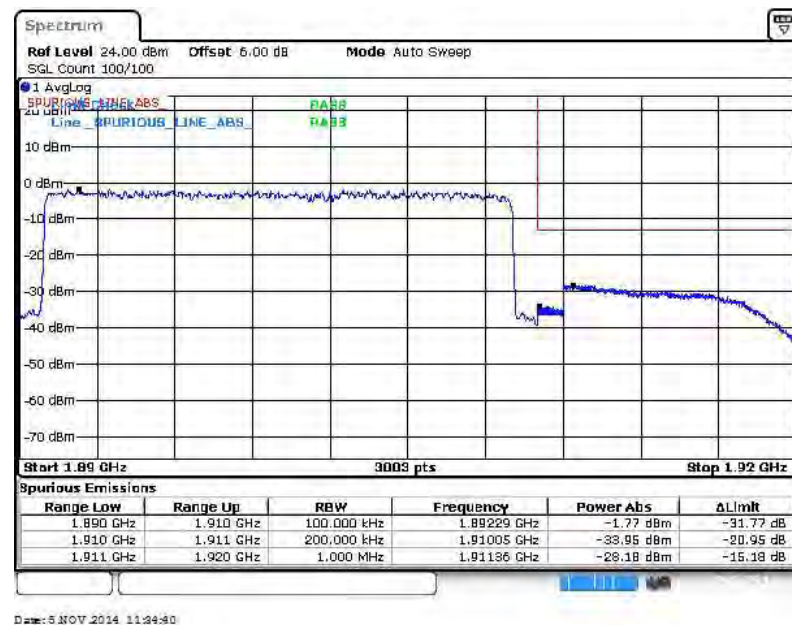
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99

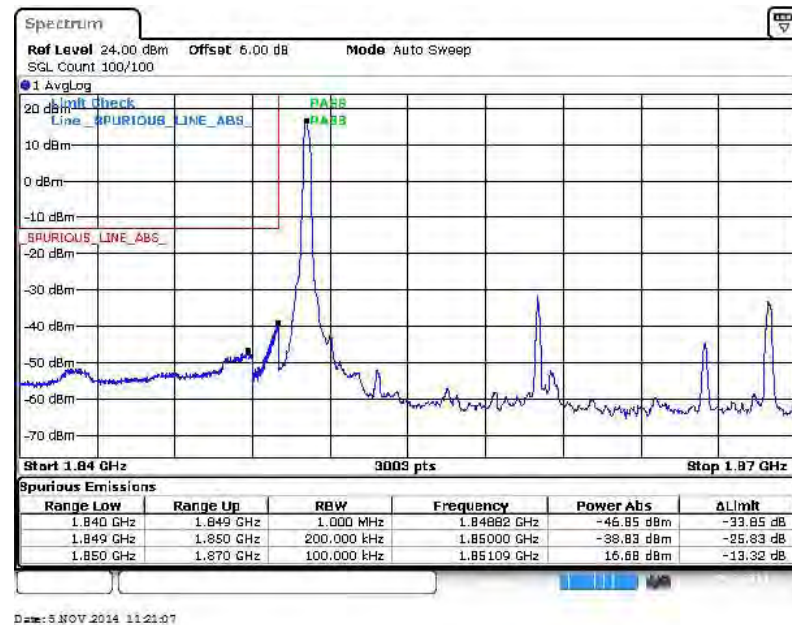


Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

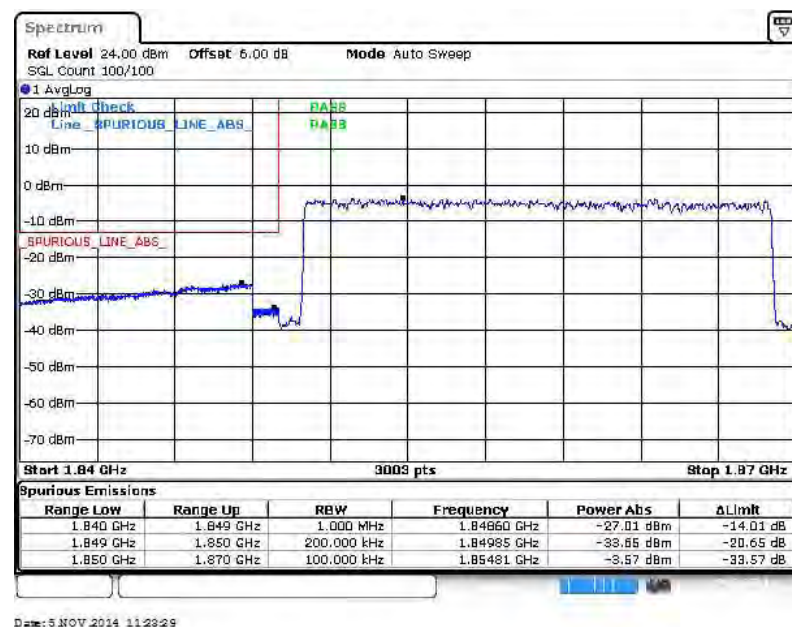


Band :	LTE Band 2	Band Width :	20MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

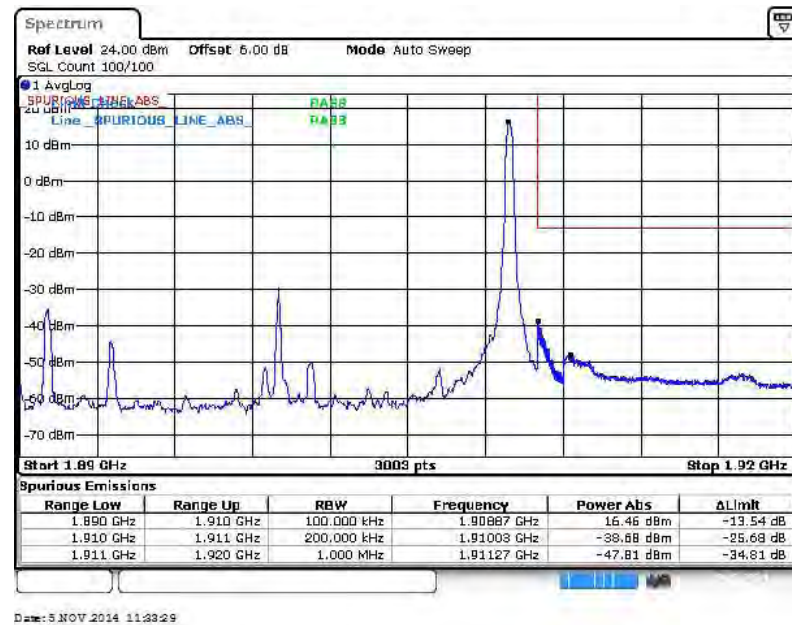


Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0

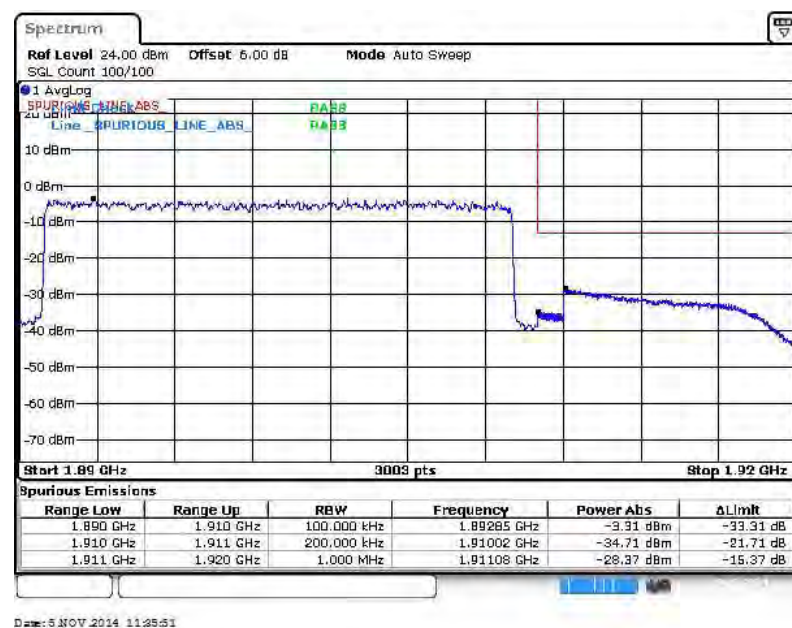




Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99

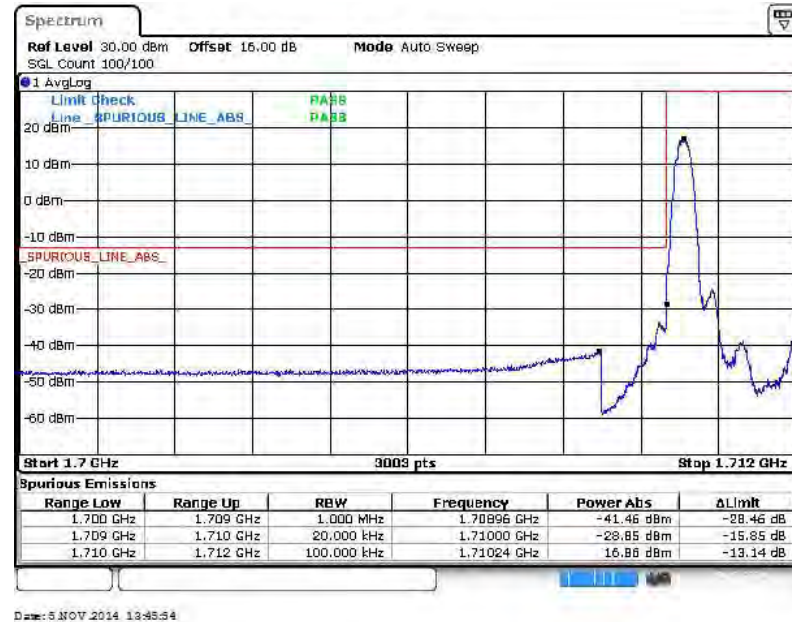


Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0

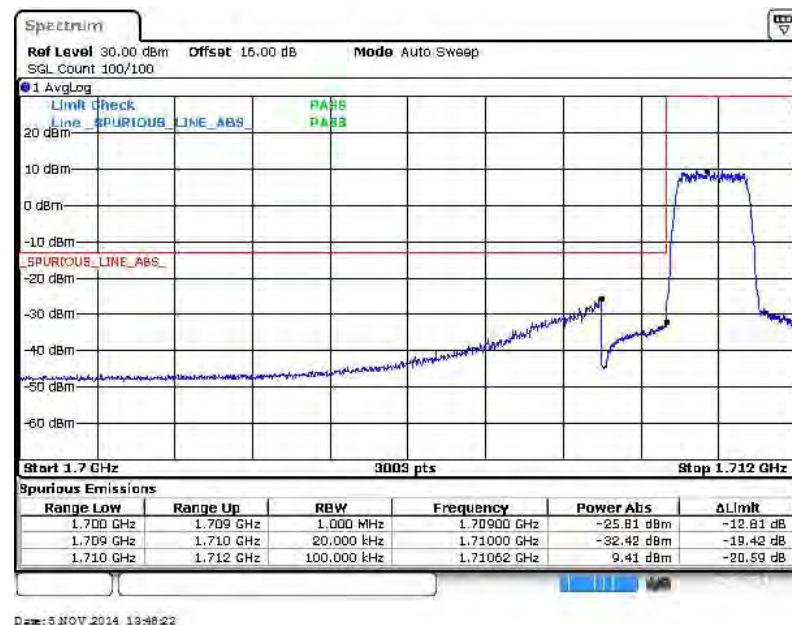


Band :	LTE Band 4	Band Width :	1.4MHz / QPSK
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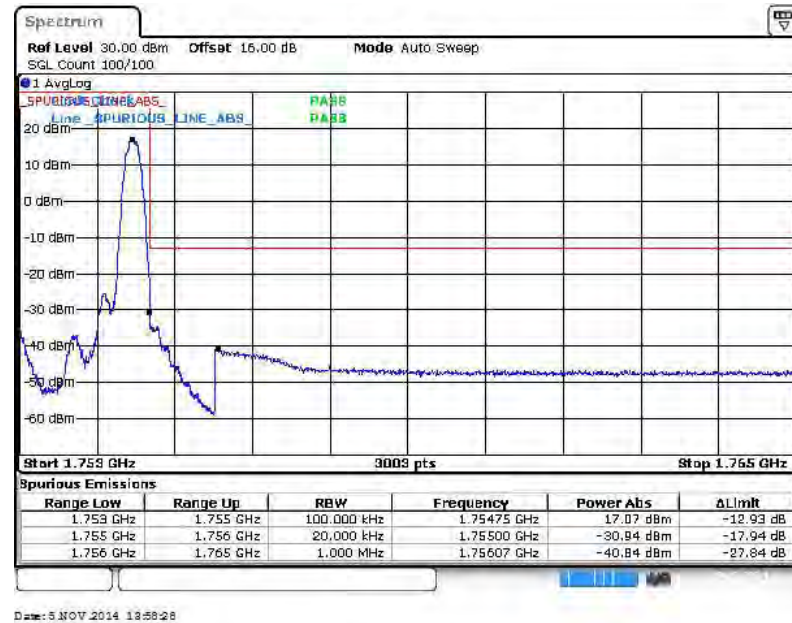
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



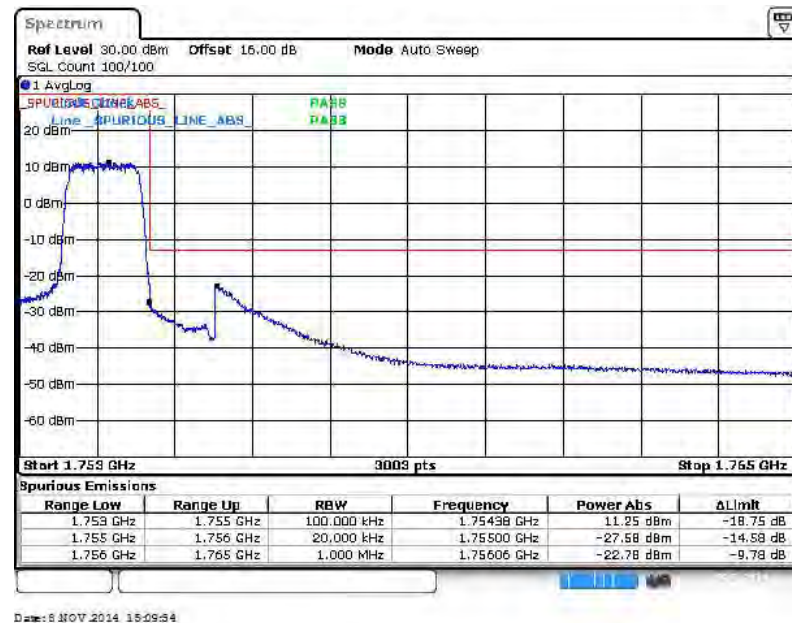
Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5

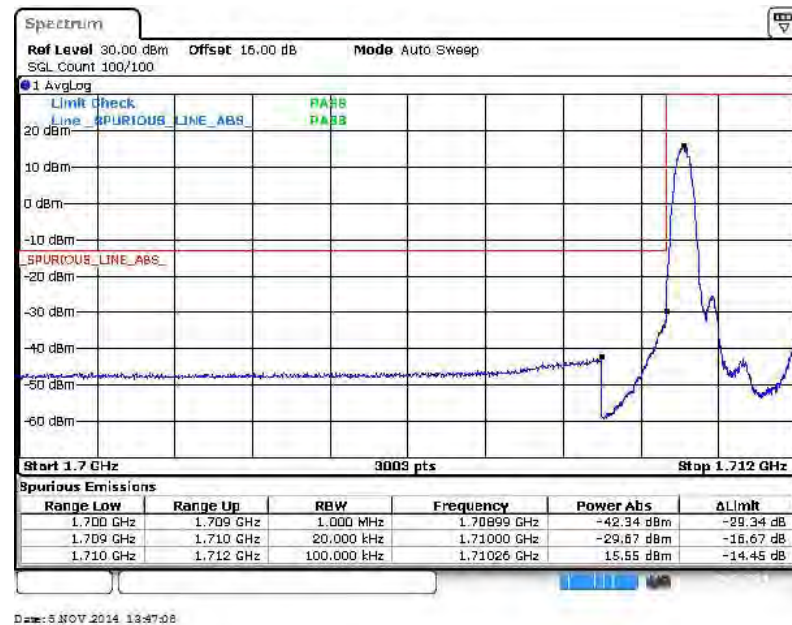


Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0

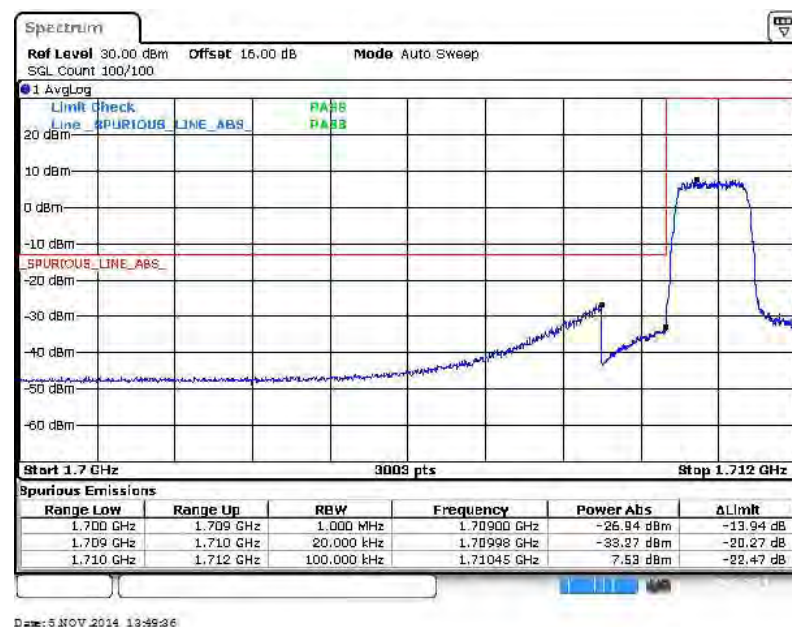


Band :	LTE Band 4	Band Width :	1.4MHz / 16QAM
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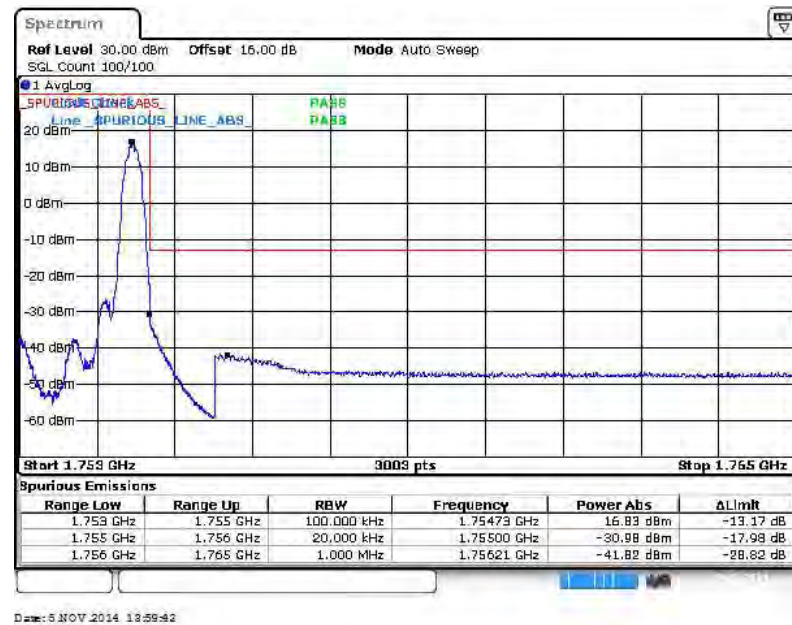
Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



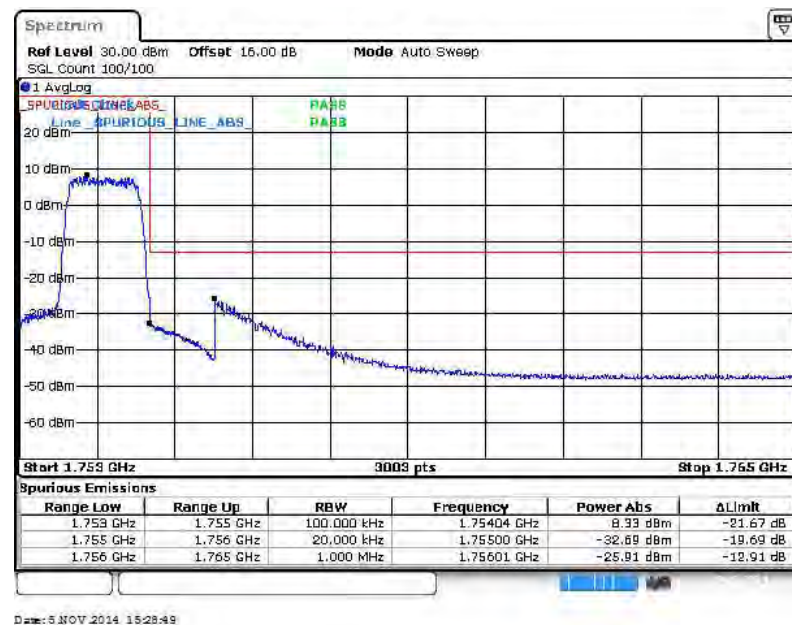
Lower Band Edge Plot for 16QAM-RB Size 6, RB Offset 0



Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 5

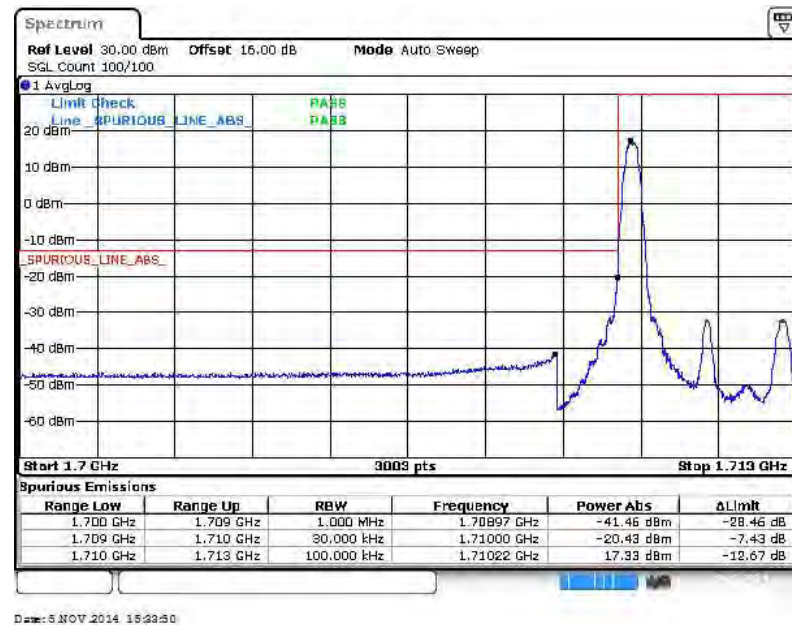


Higher Band Edge Plot for 16QAM-RB Size 6, RB Offset 0

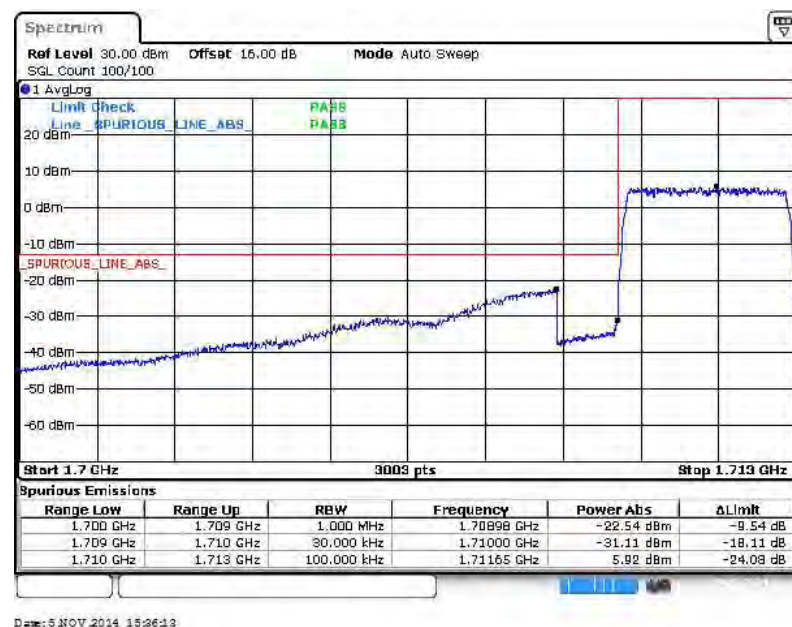


Band :	LTE Band 4	Band Width :	3MHz / QPSK
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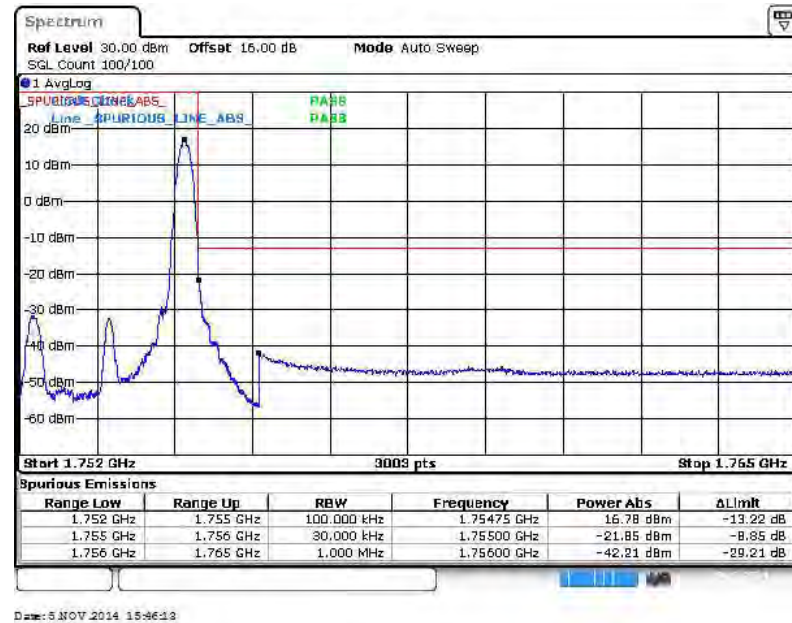
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



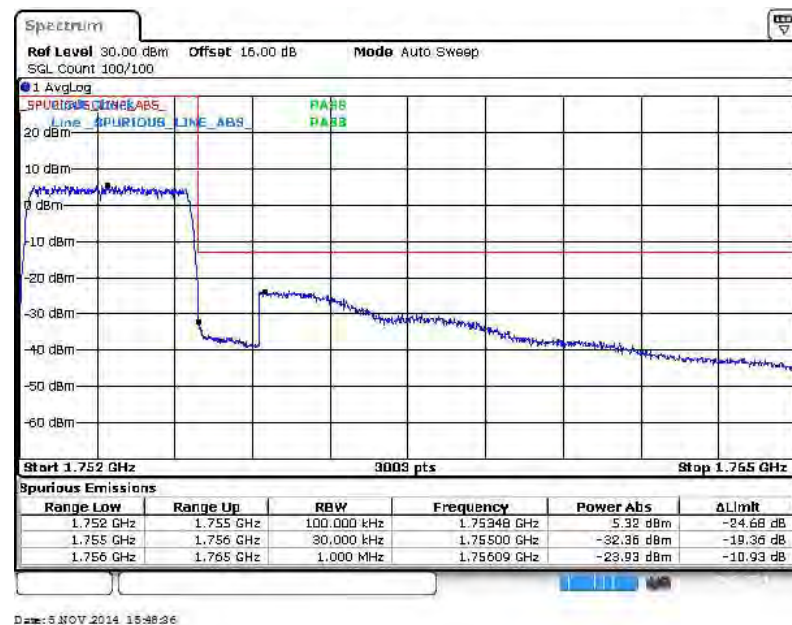
Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14

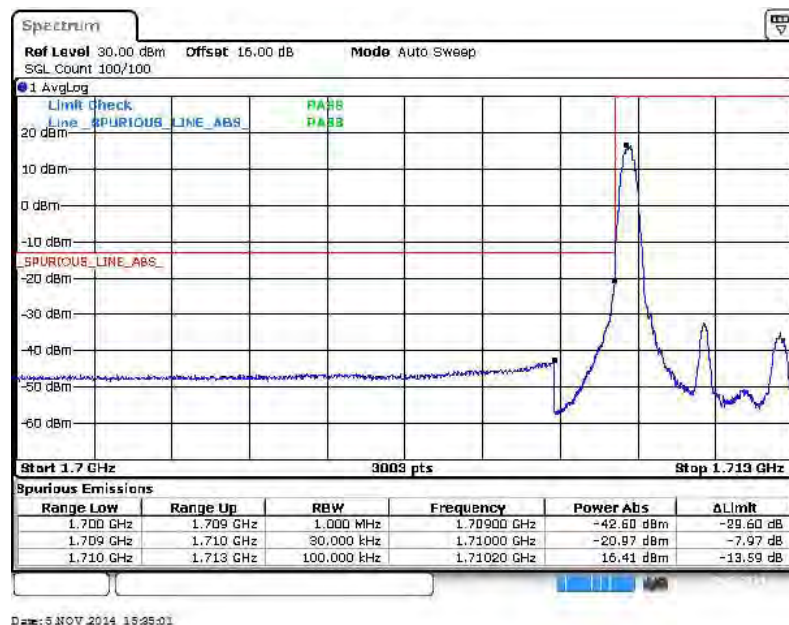


Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0

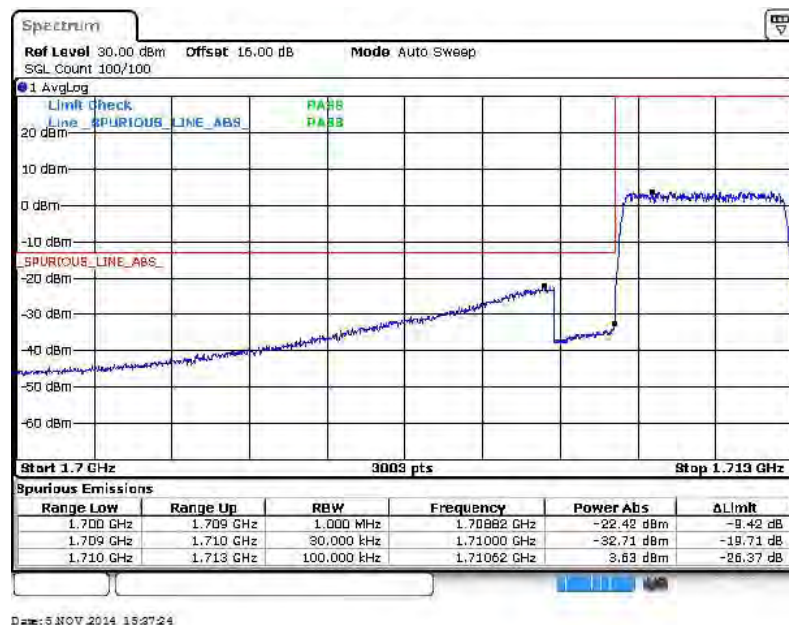


Band :	LTE Band 4	Band Width :	3MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

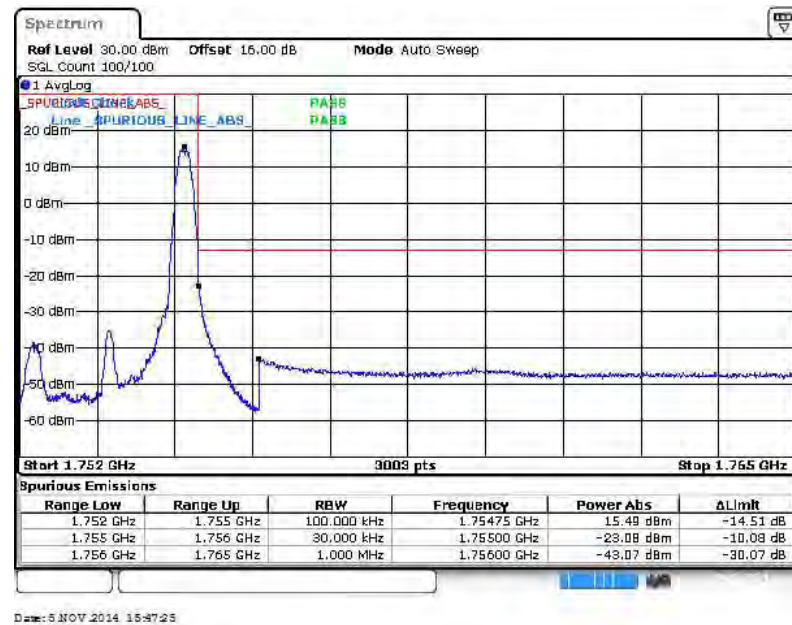


Lower Band Edge Plot for 16QAM-RB Size 15, RB Offset 0

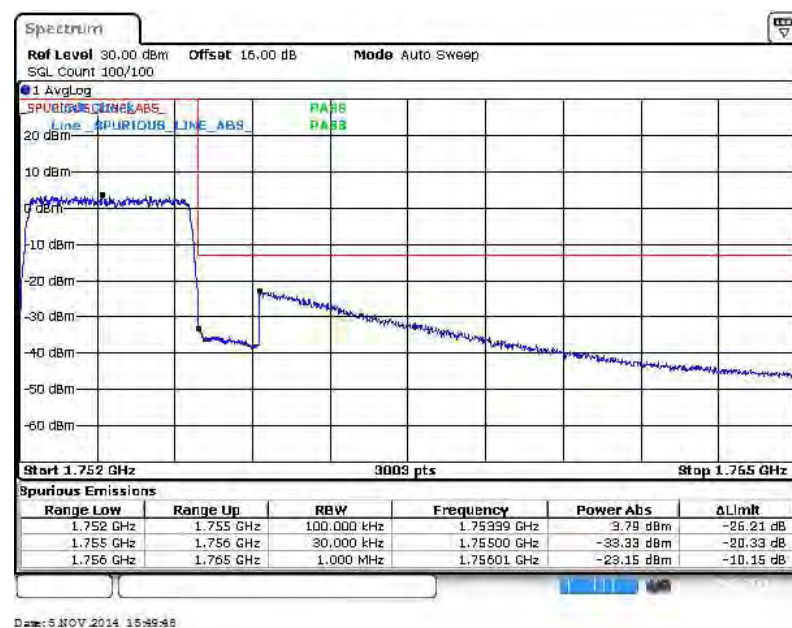




Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 14



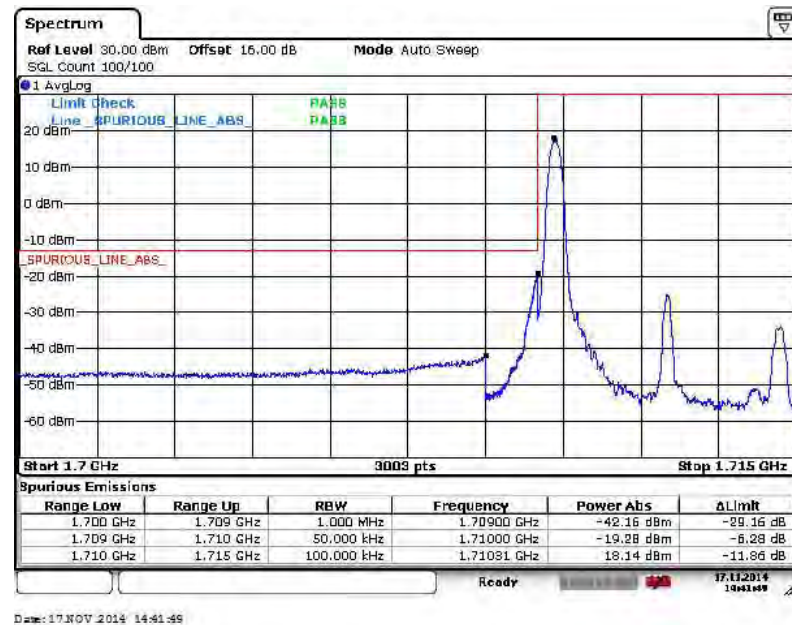
Higher Band Edge Plot for 16QAM-RB Size 15, RB Offset 0



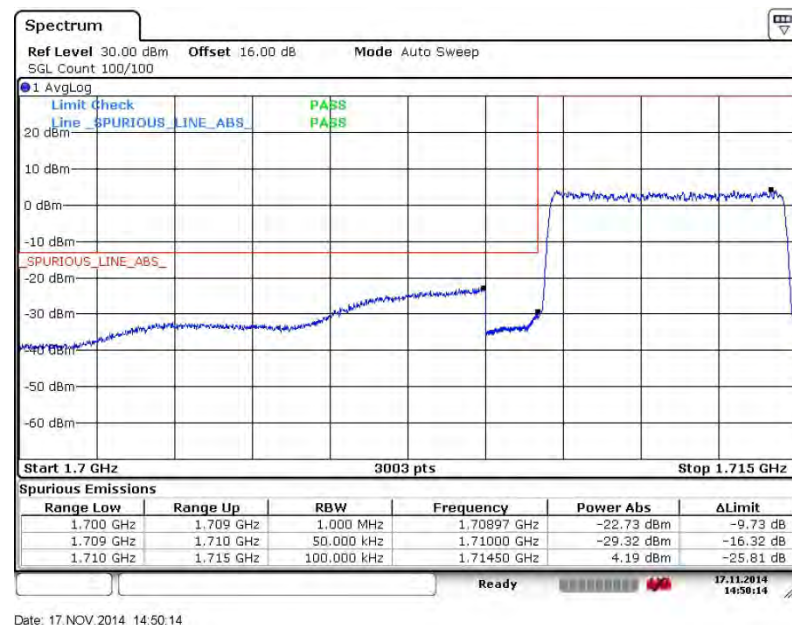


Band :	LTE Band 4	Band Width :	5MHz / QPSK
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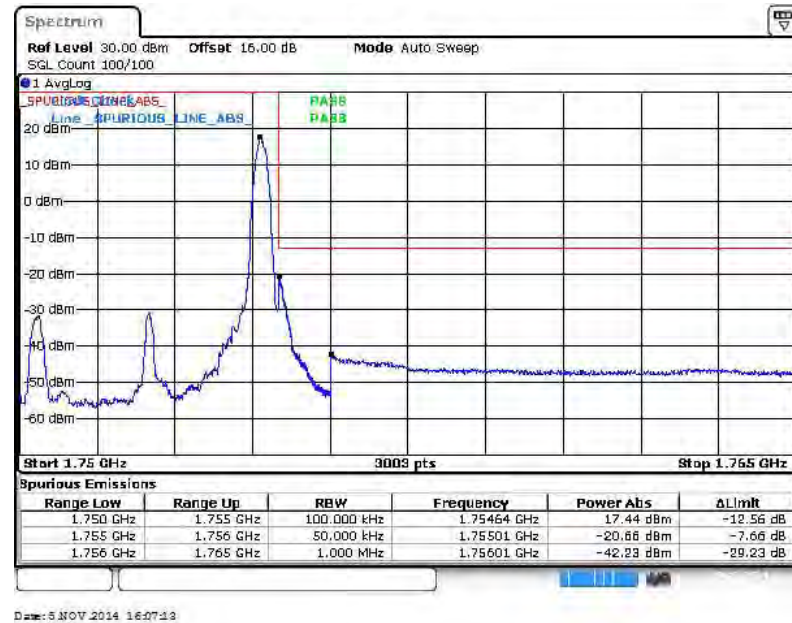
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



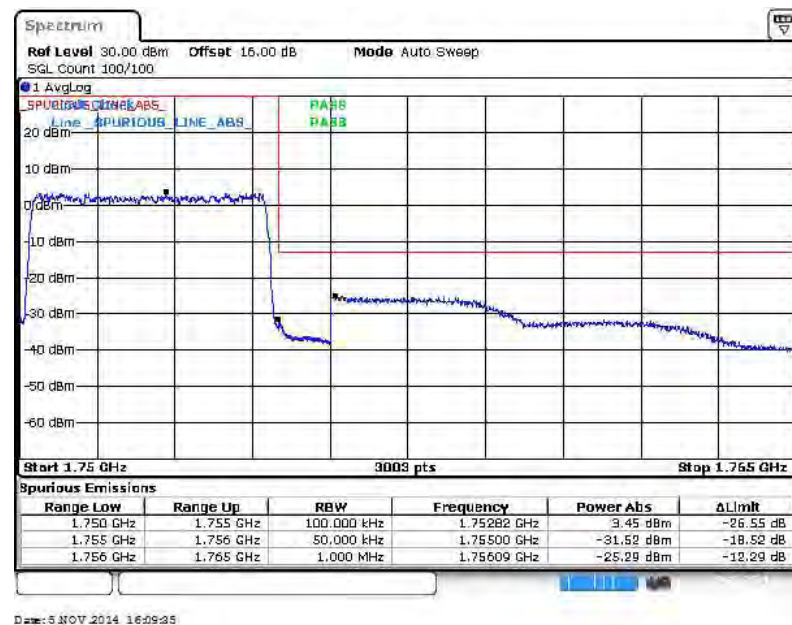
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



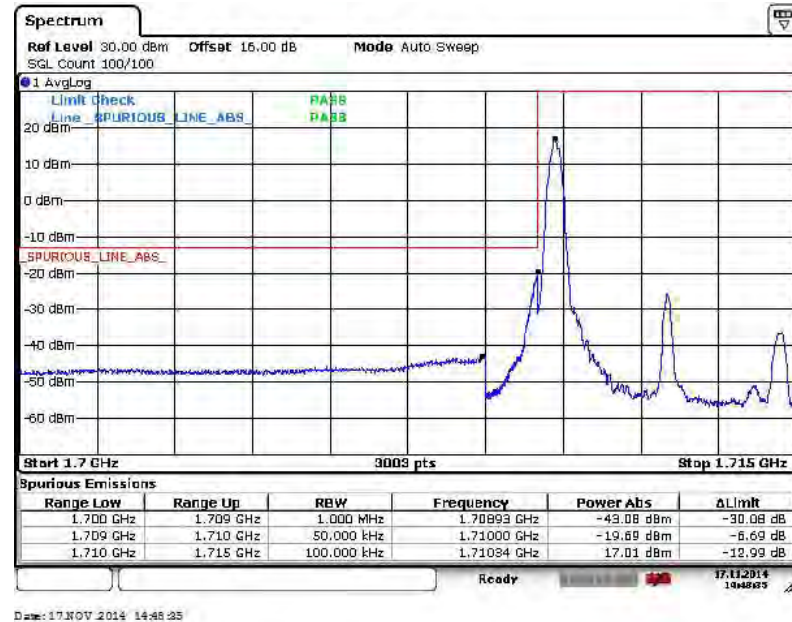
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



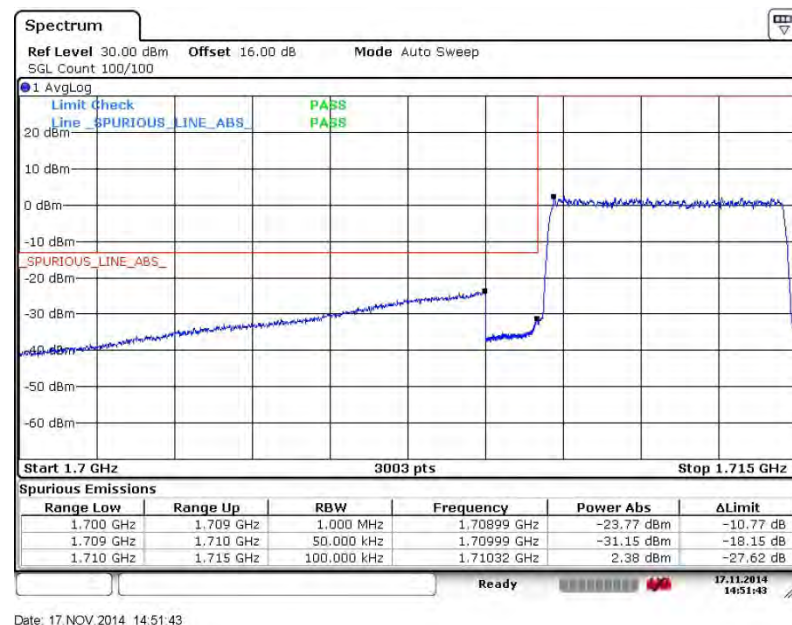


Band :	LTE Band 4	Band Width :	5MHz / 16QAM
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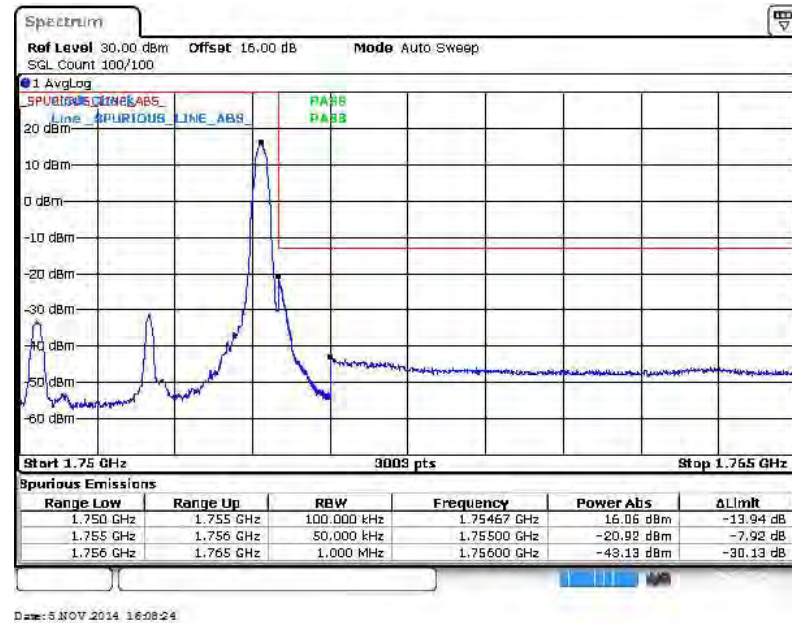
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



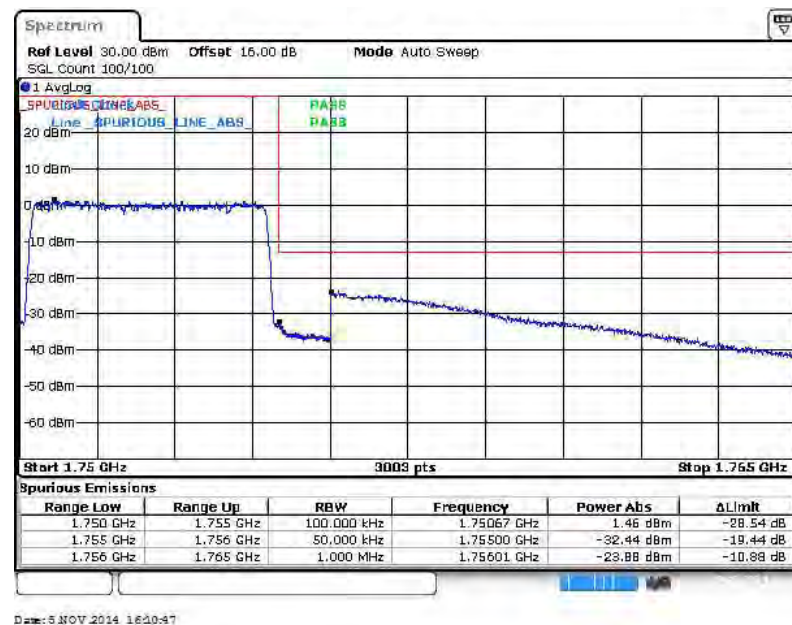
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



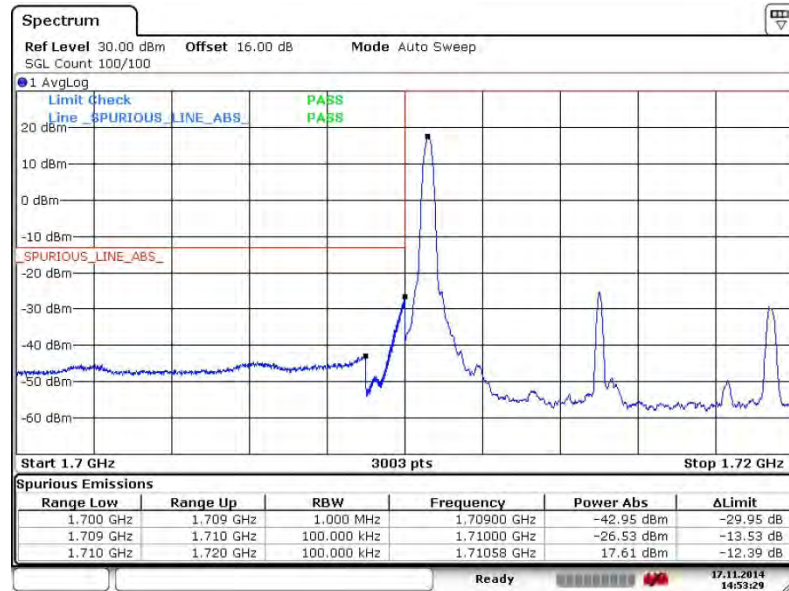
Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0





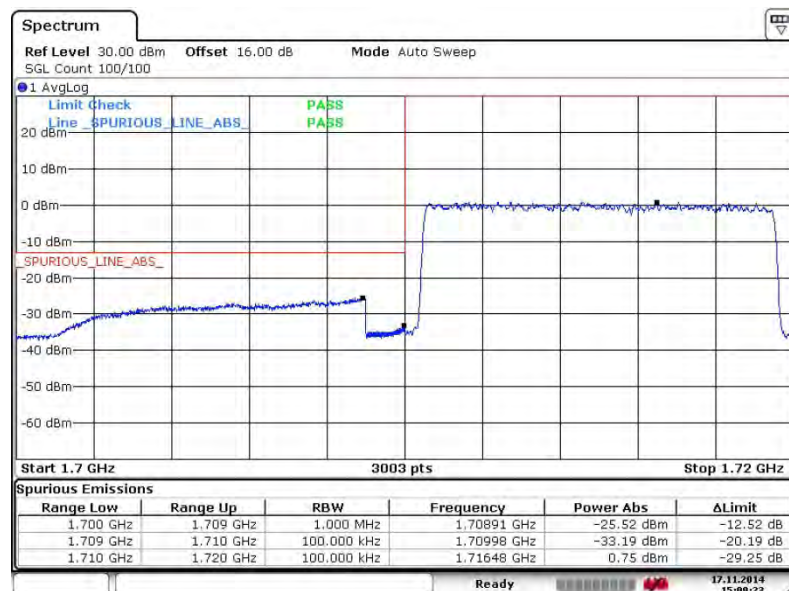
Band :	LTE Band 4	Band Width :	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 17. NOV. 2014 14:53:29

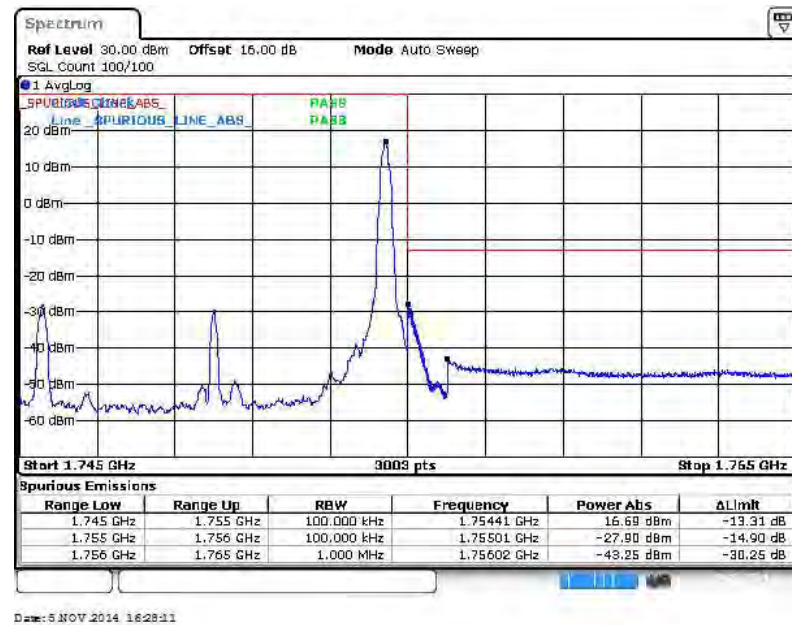
Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



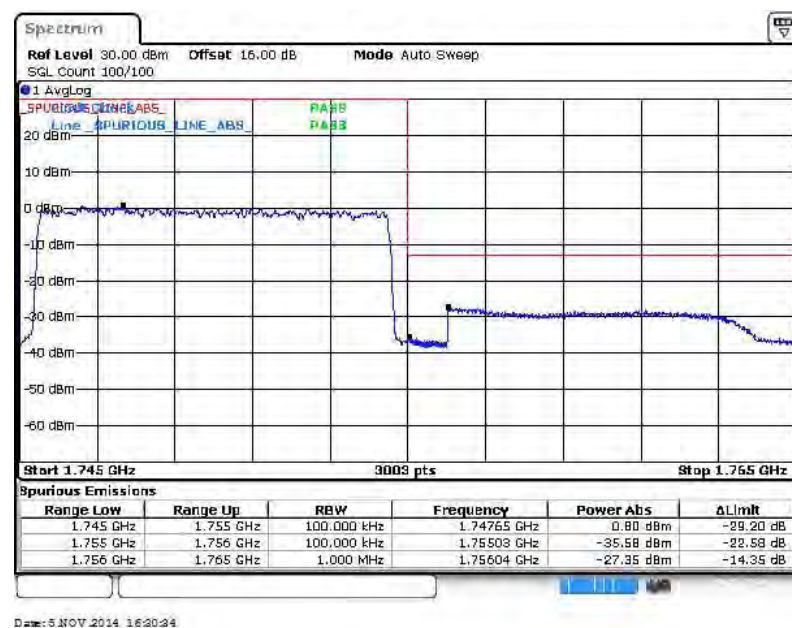
Date: 17. NOV. 2014 15:09:23



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



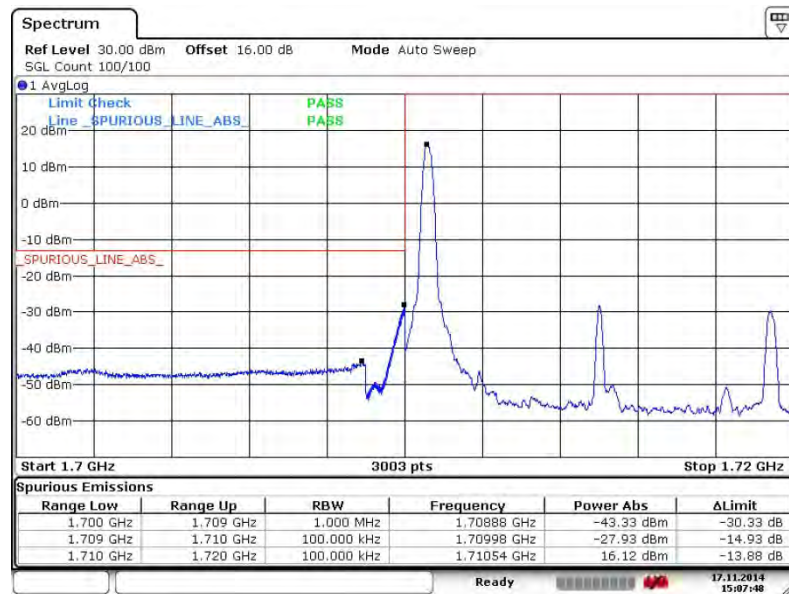
Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0





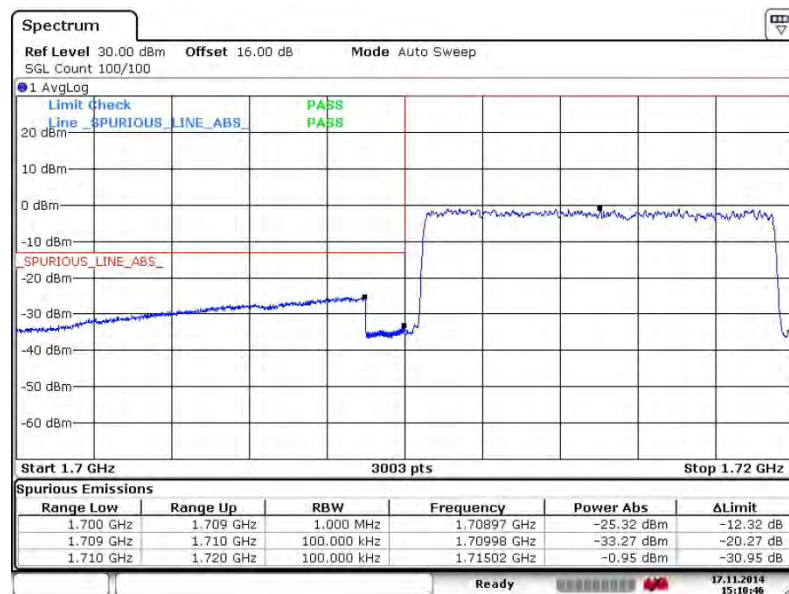
Band :	LTE Band 4	Band Width :	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



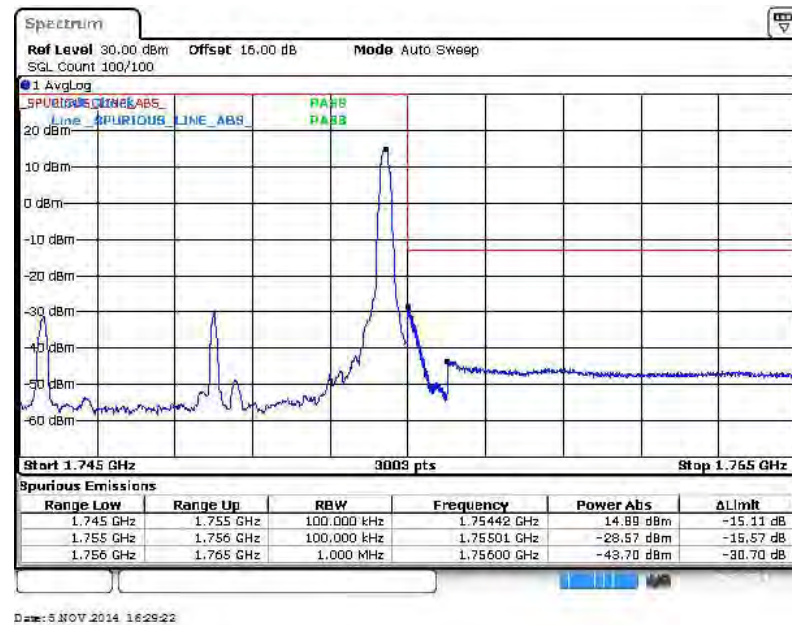
Date: 17. NOV. 2014 15:07:48

Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0

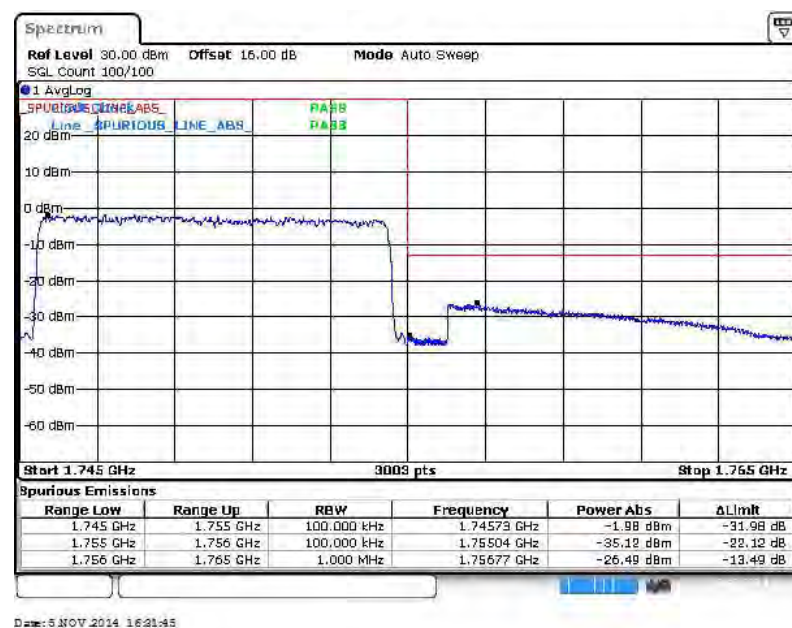


Date: 17. NOV. 2014 15:10:47

Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49

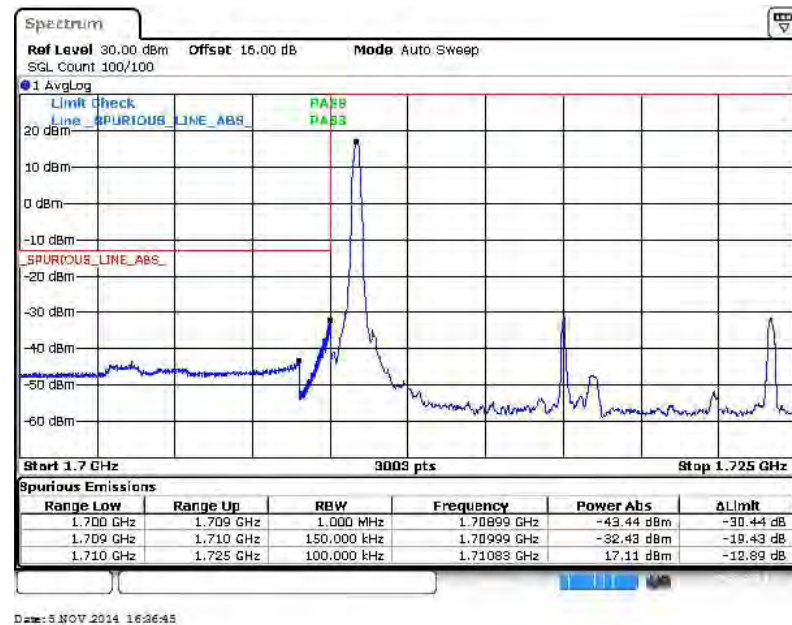


Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0

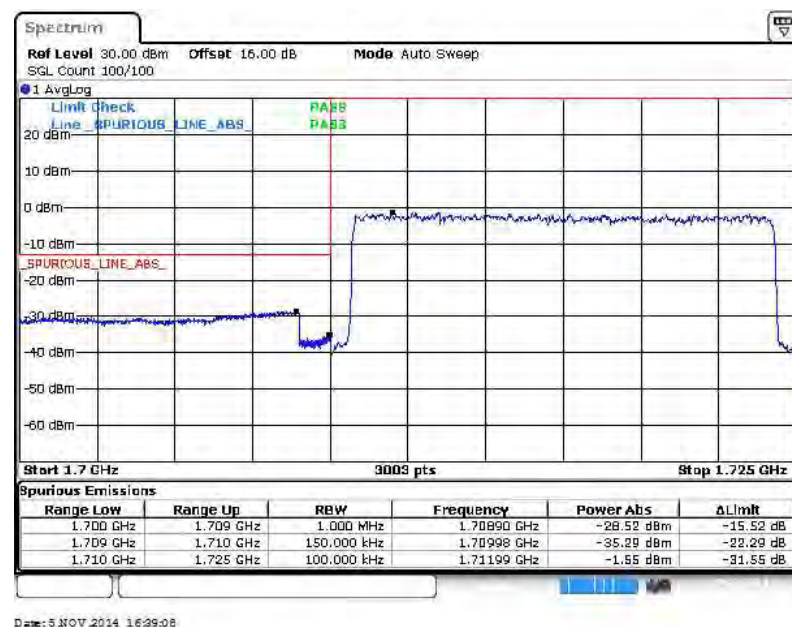


Band :	LTE Band 4	Band Width :	15MHz / QPSK
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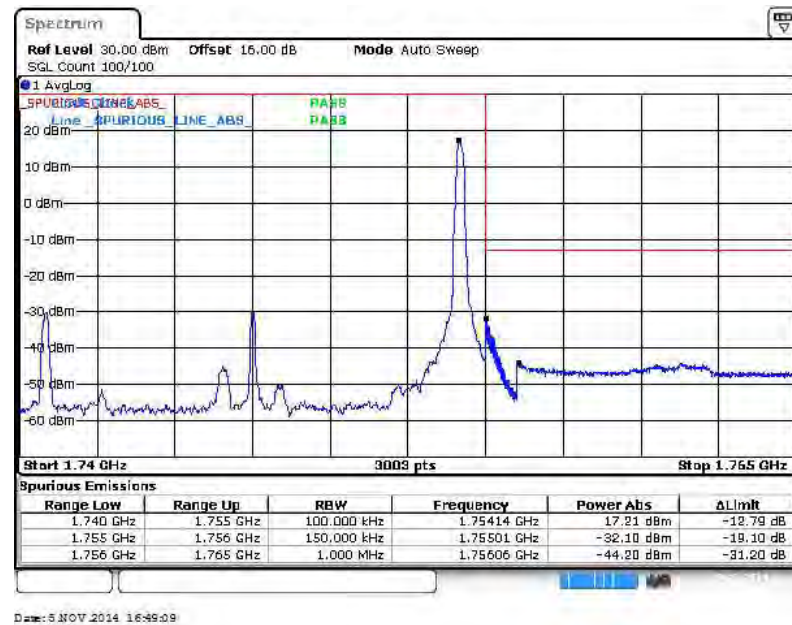
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



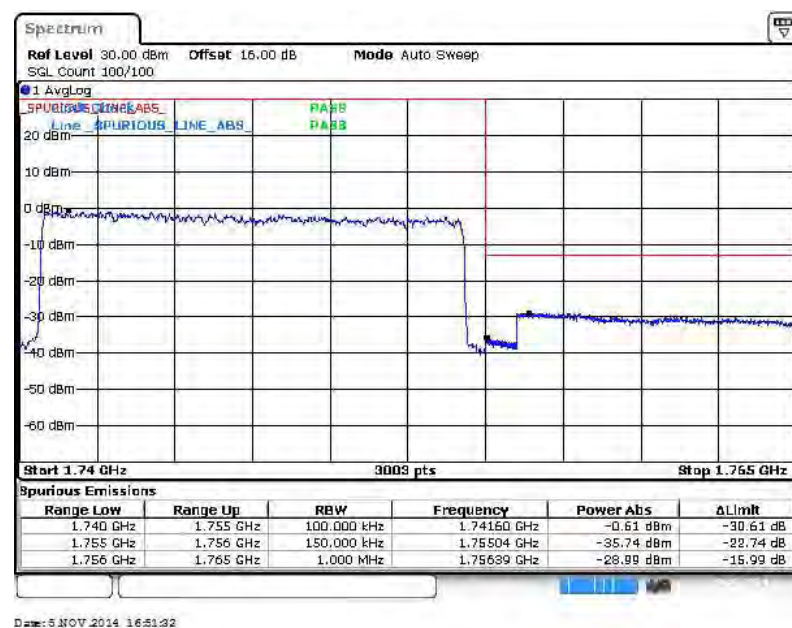
Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74

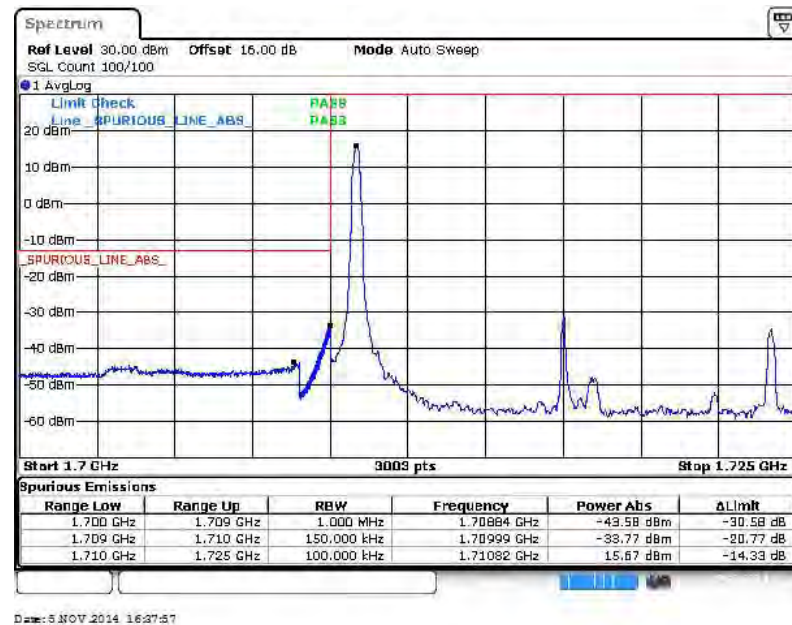


Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0

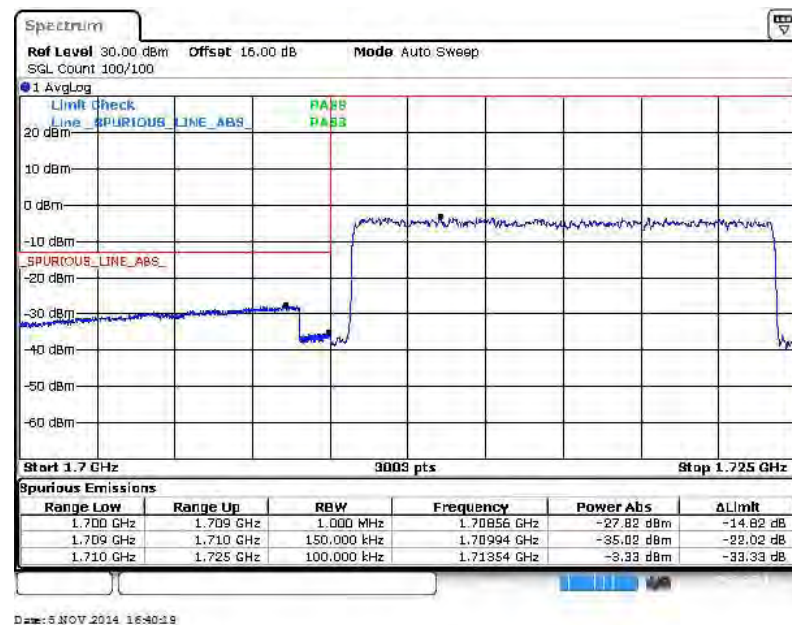


Band :	LTE Band 4	Band Width :	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

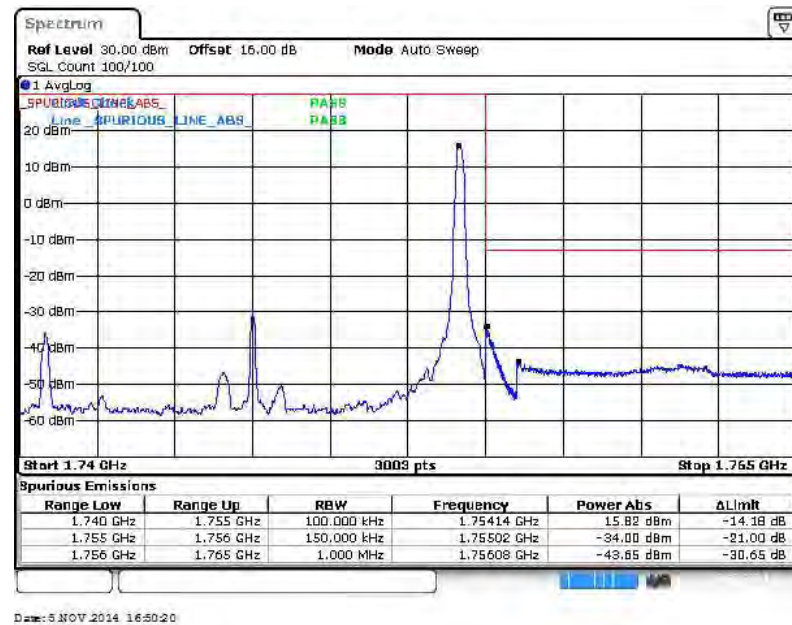


Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

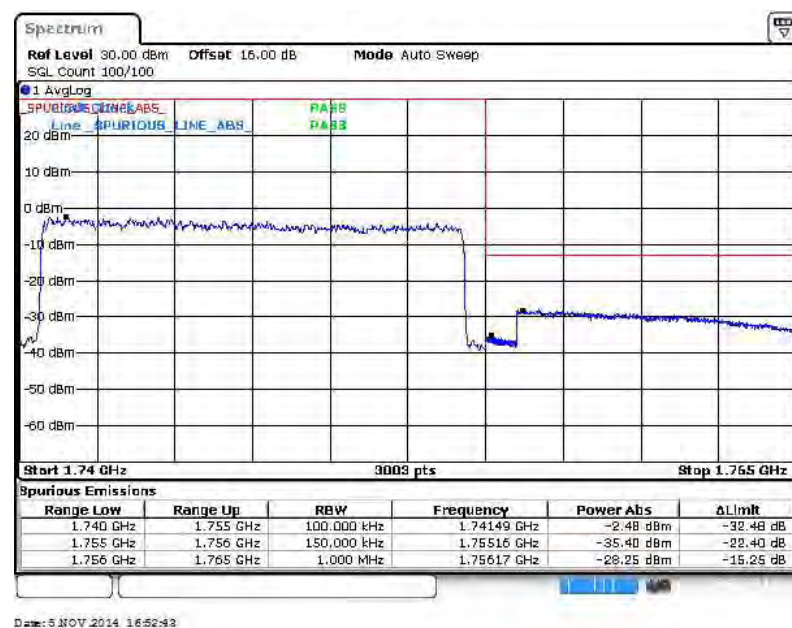




Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74

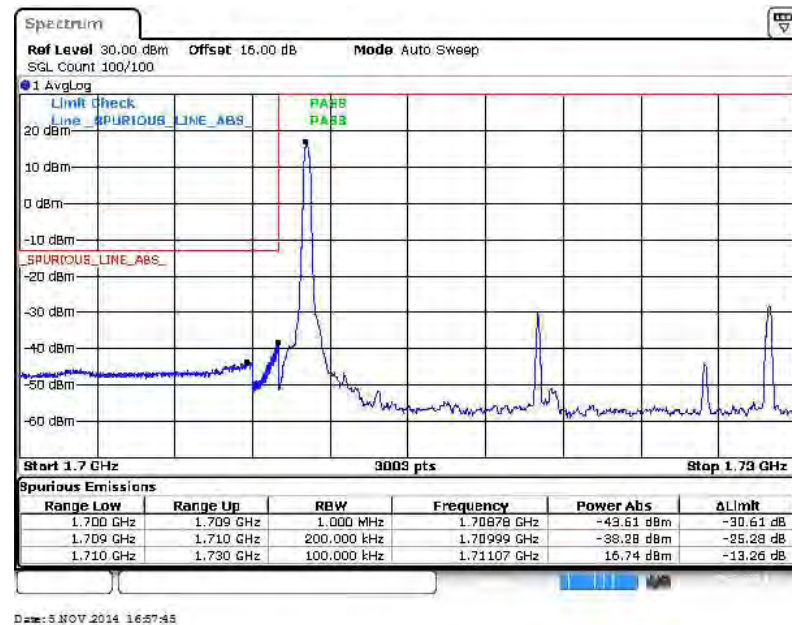


Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

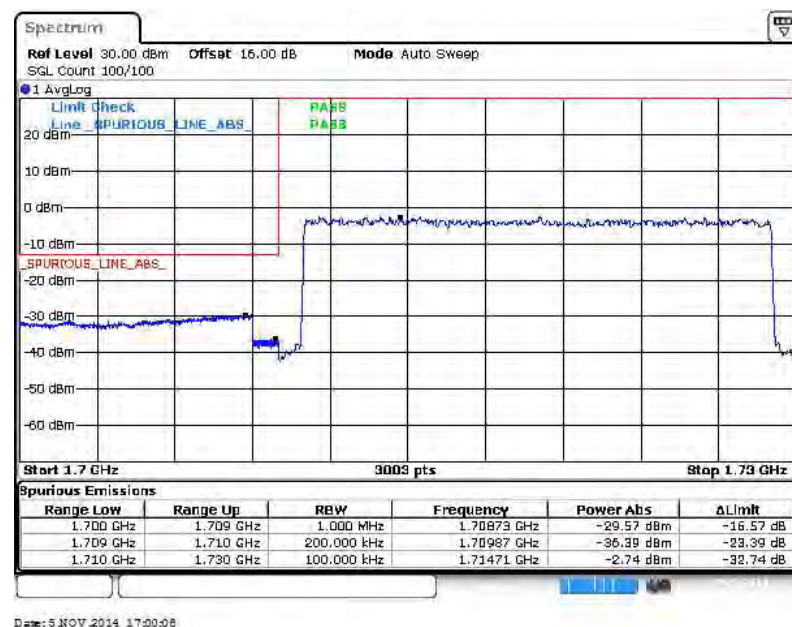


Band :	LTE Band 4	Band Width :	20MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

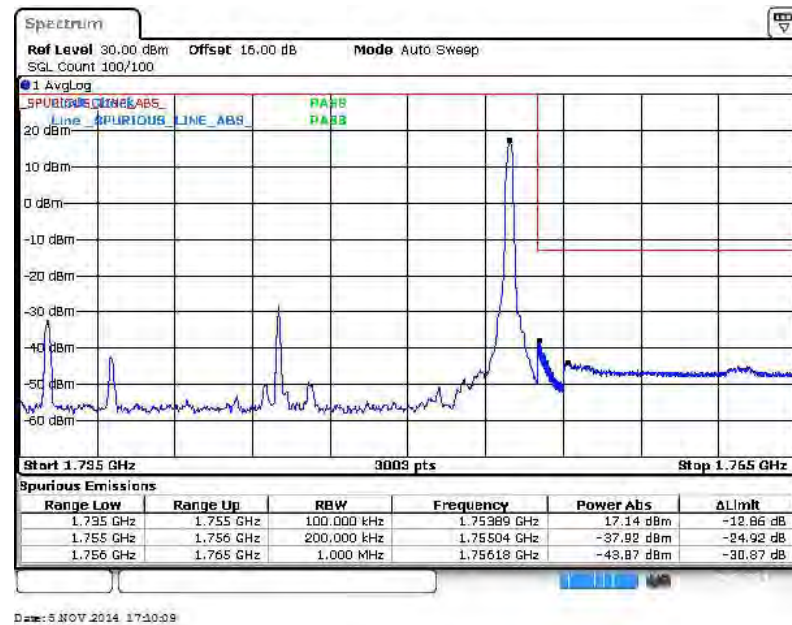


Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0

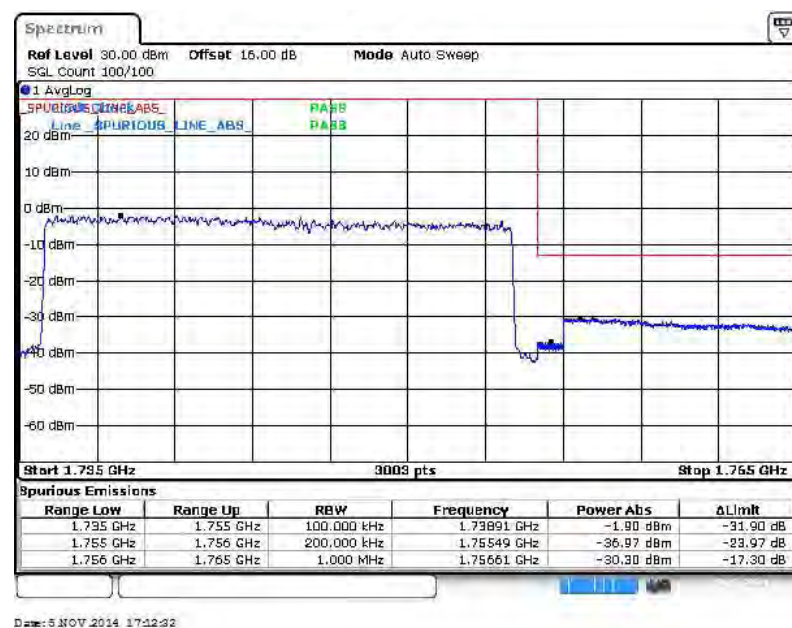




Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99

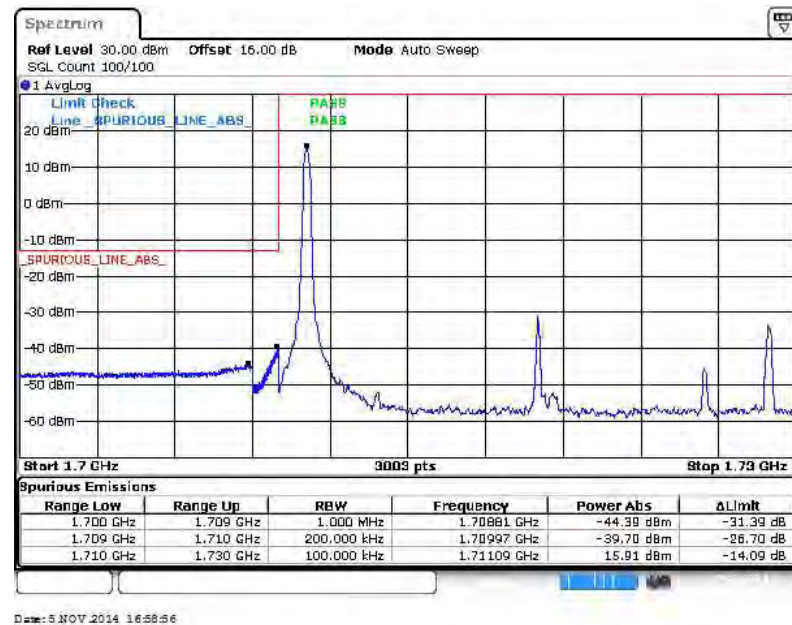


Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

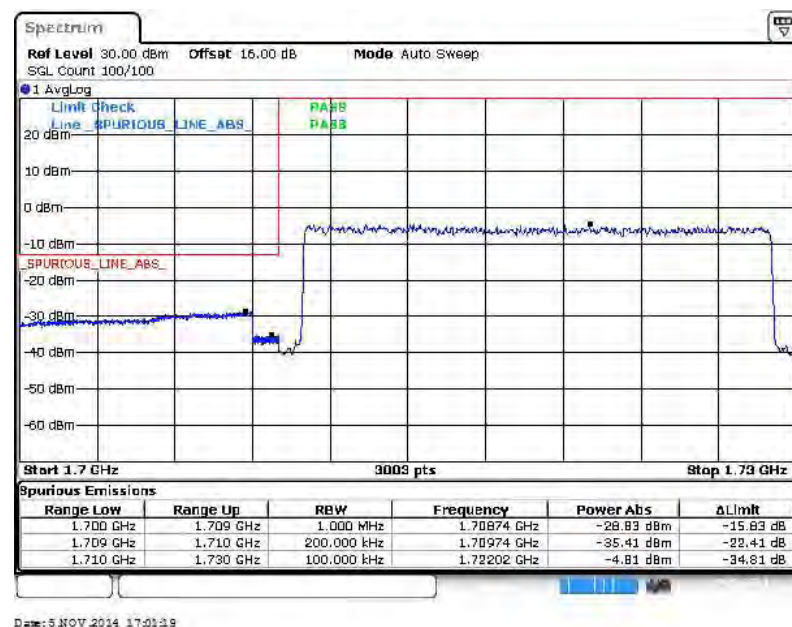


Band :	LTE Band 4	Band Width :	20MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

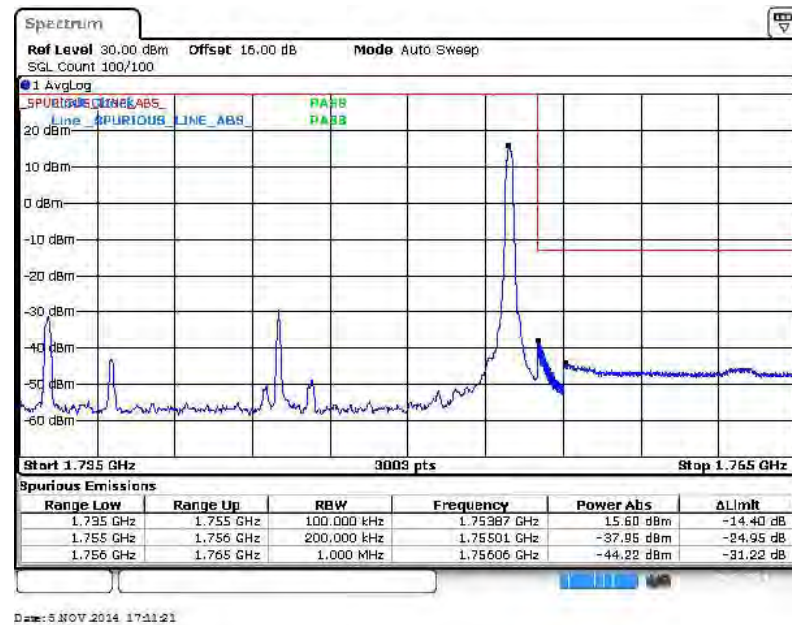


Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0

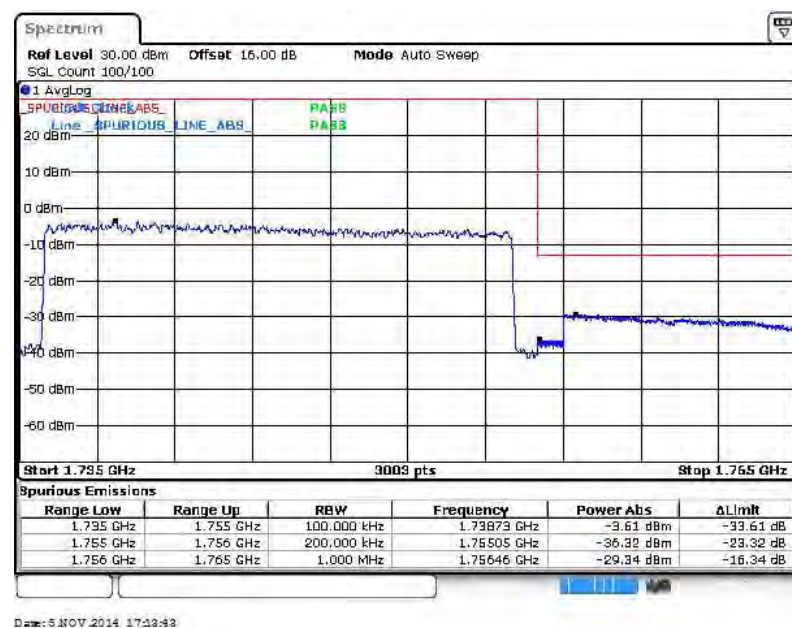




Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99

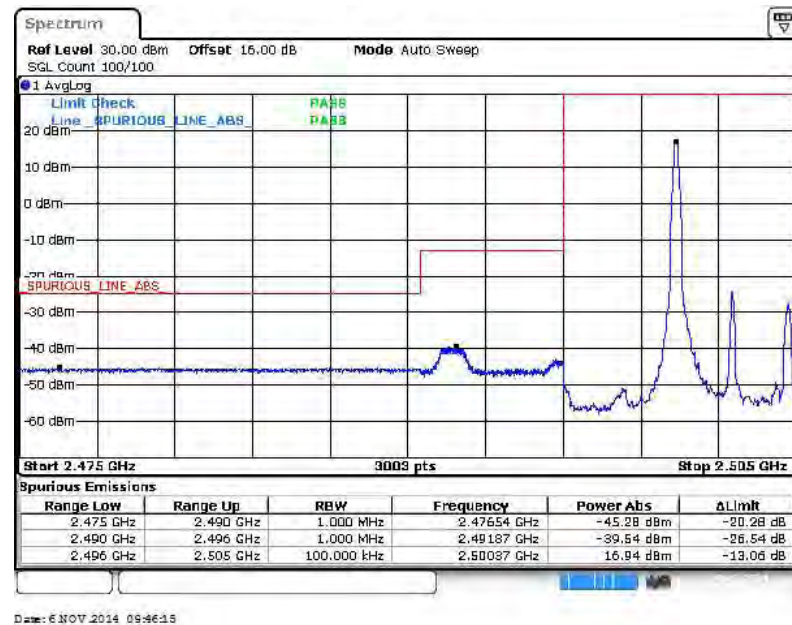


Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0

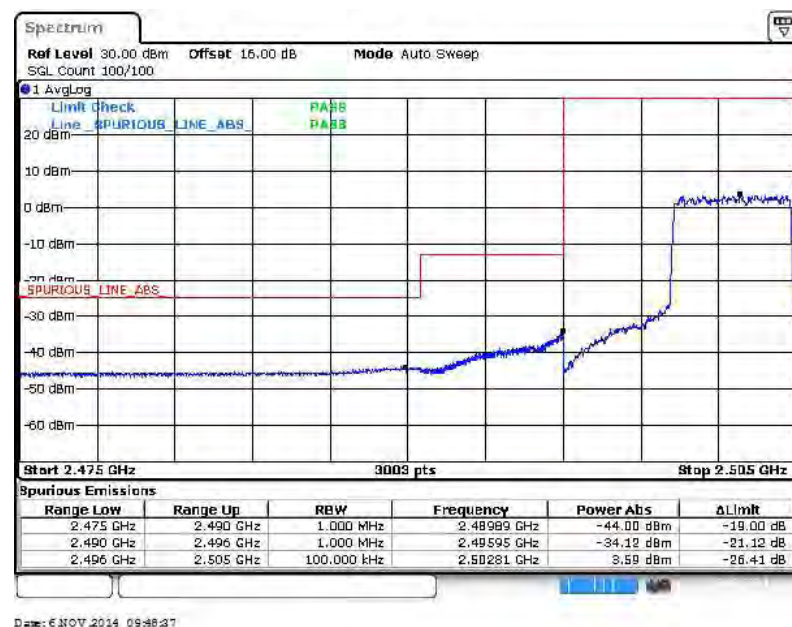


Band :	LTE Band 7	Band Width :	5MHz / QPSK
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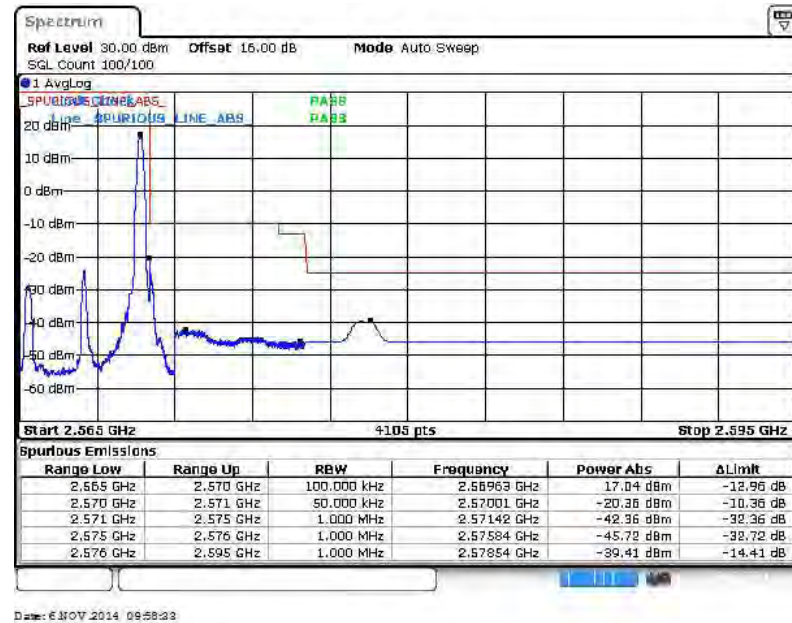
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



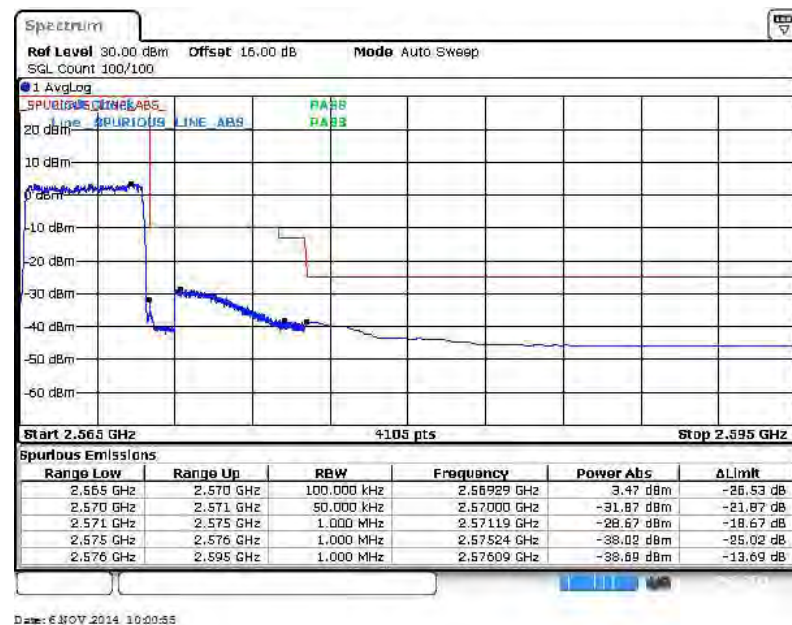
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24

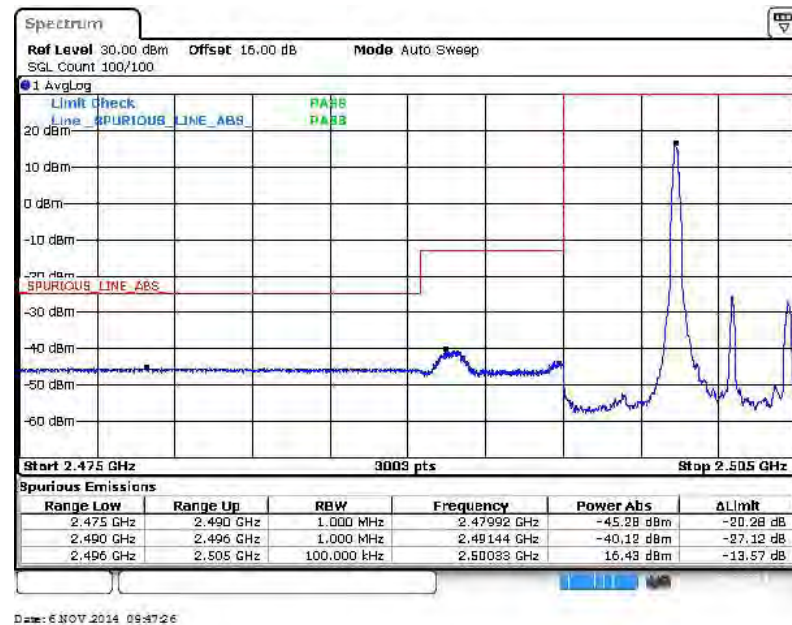


Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

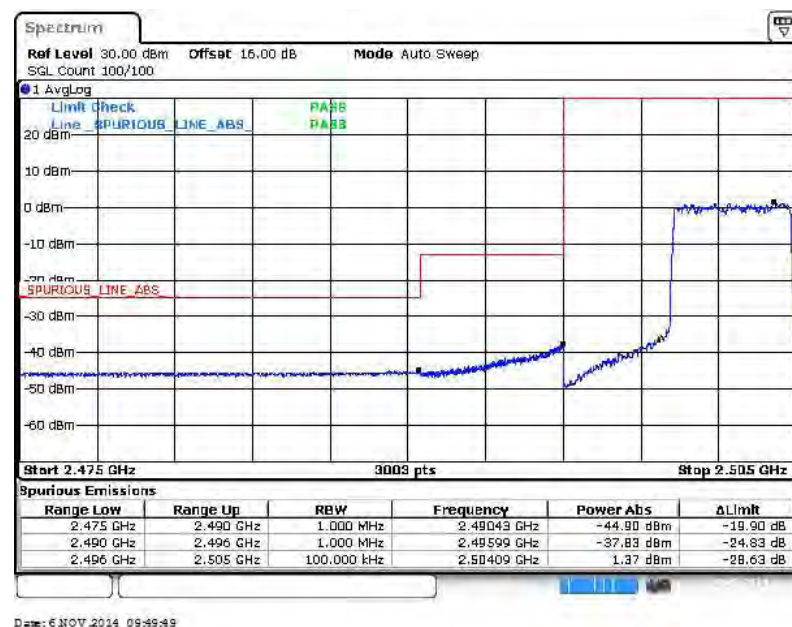


Band :	LTE Band 7	Band Width :	5MHz / 16QAM
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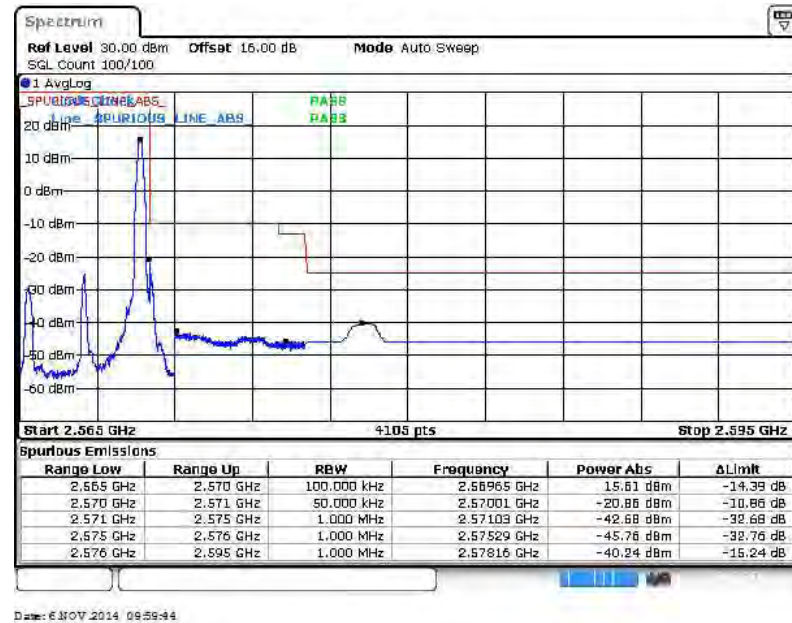
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



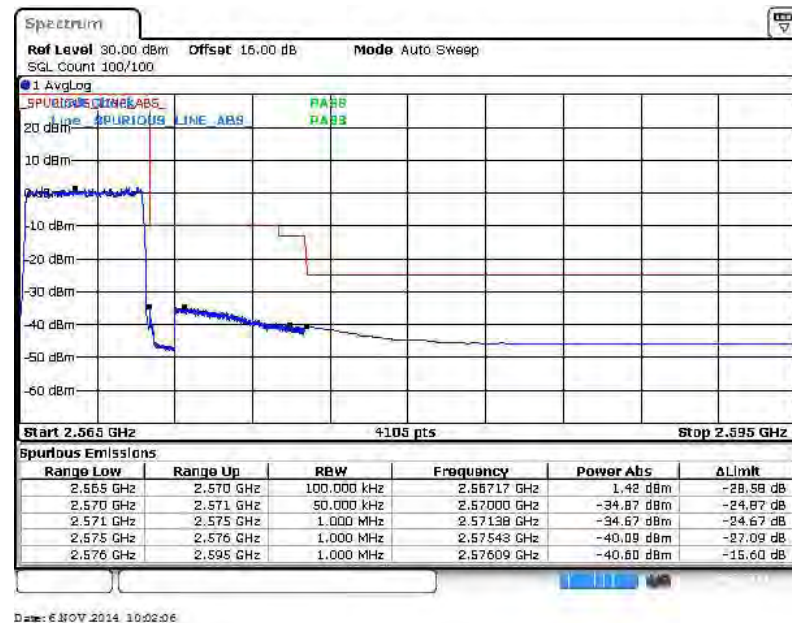
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24

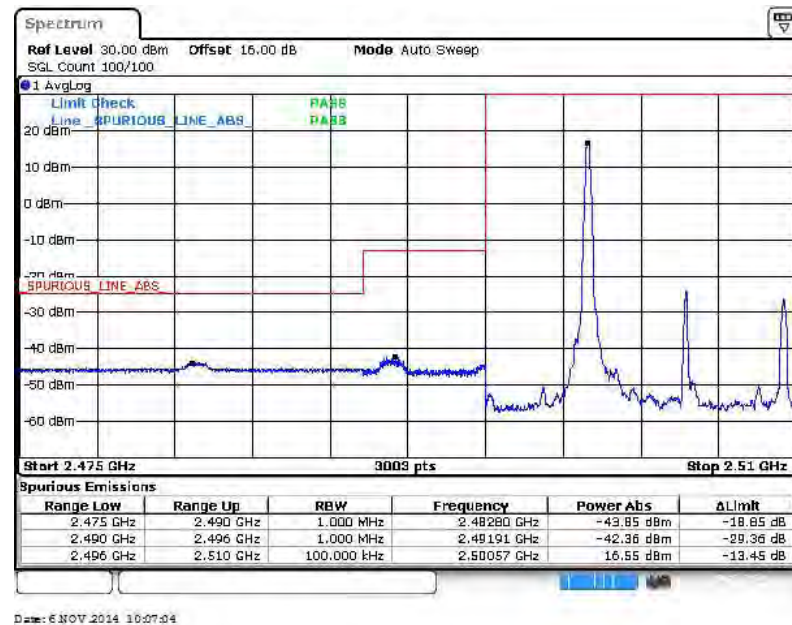


Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0

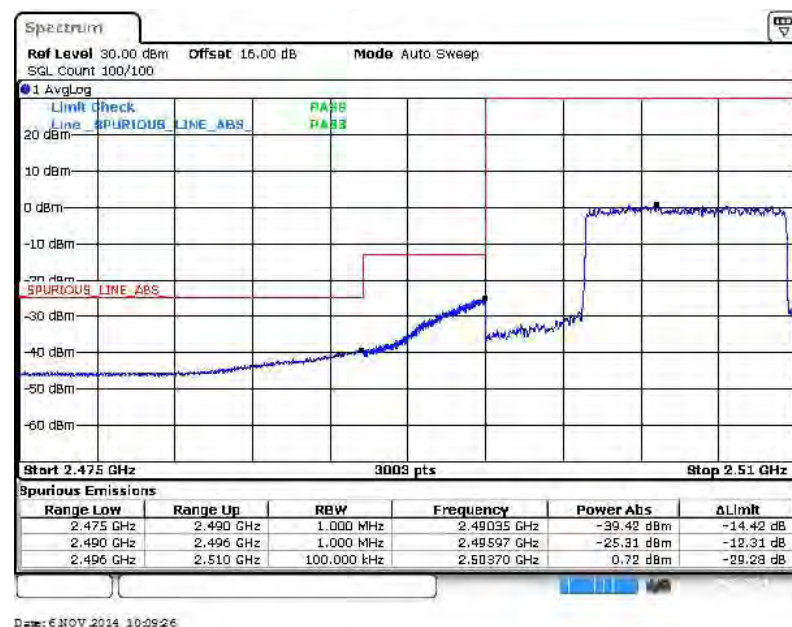


Band :	LTE Band 7	Band Width :	10MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

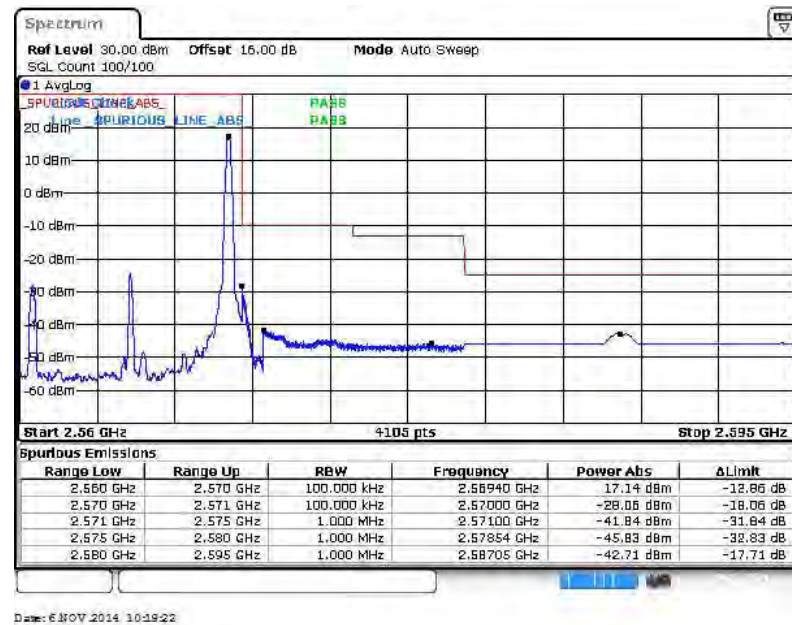


Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0

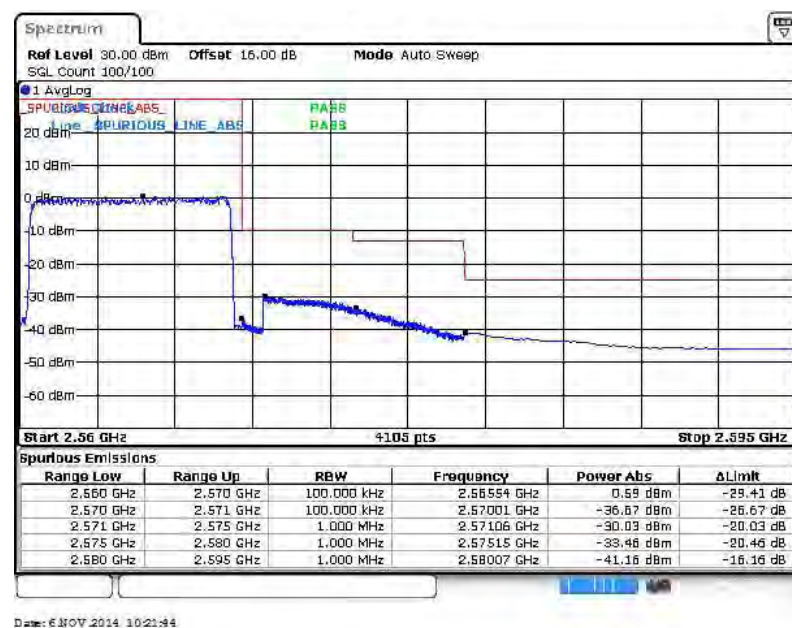




Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49

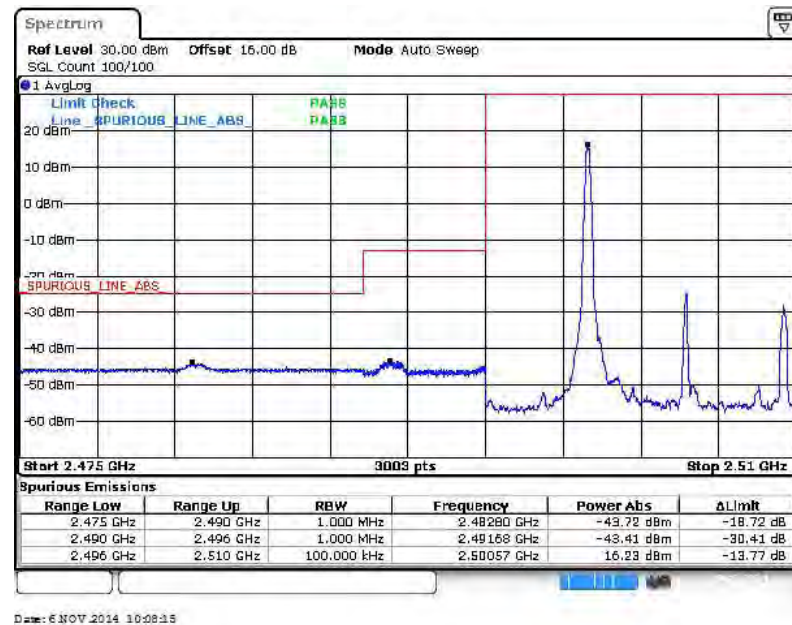


Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

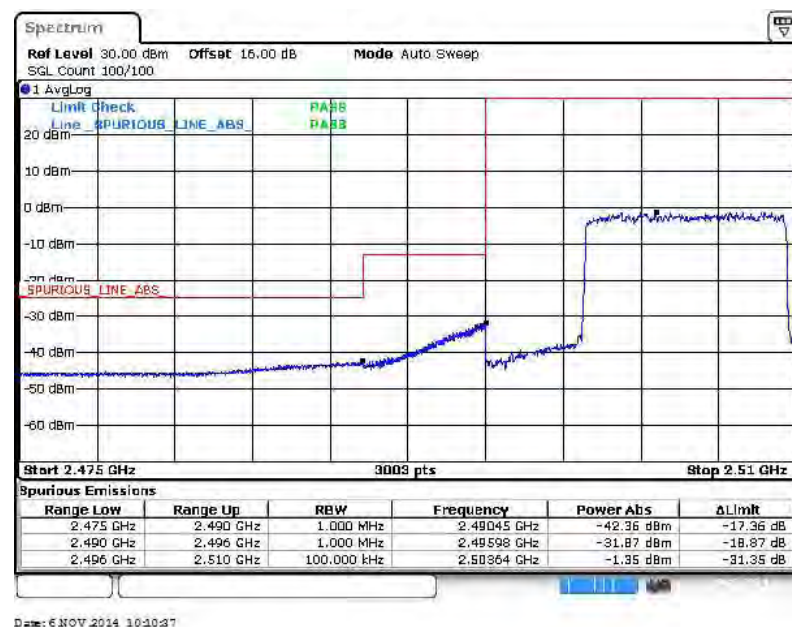


Band :	LTE Band 7	Band Width :	10MHz / 16QAM
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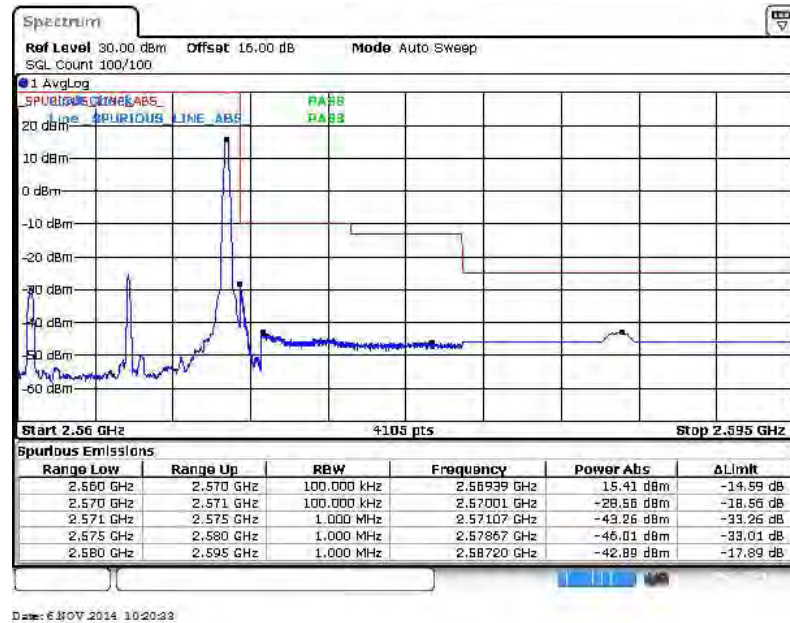
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



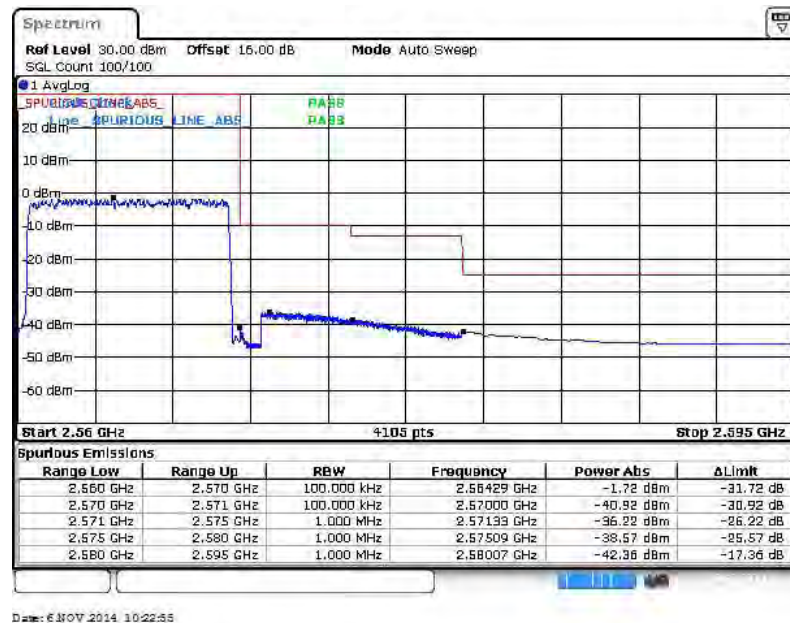
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49

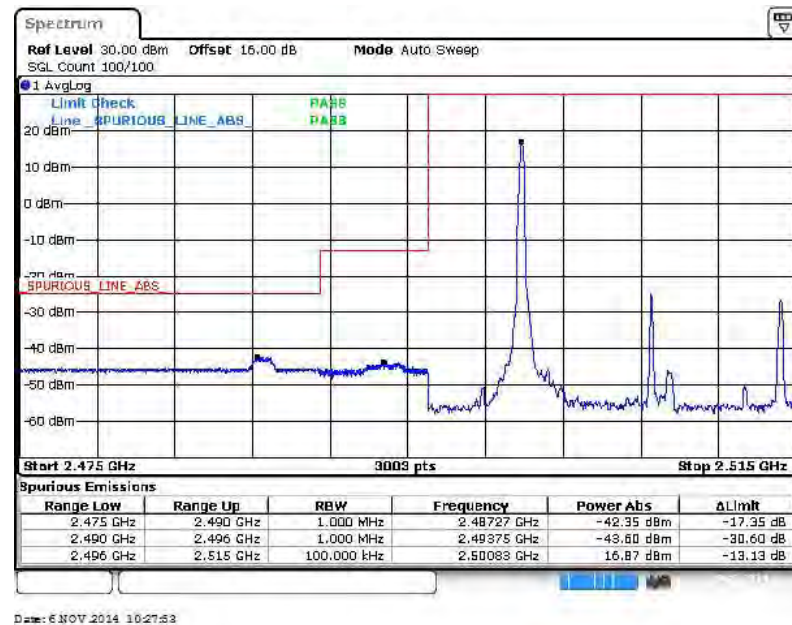


Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0

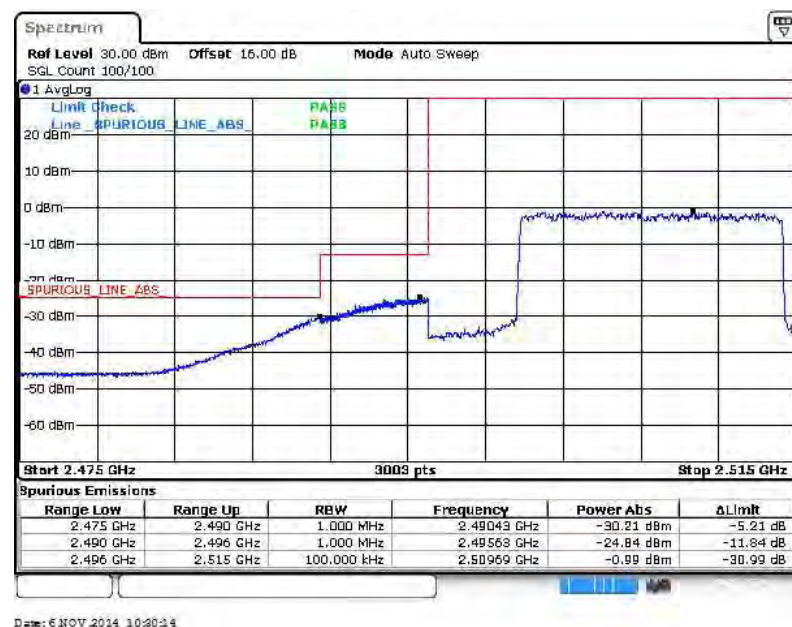


Band :	LTE Band 7	Band Width :	15MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

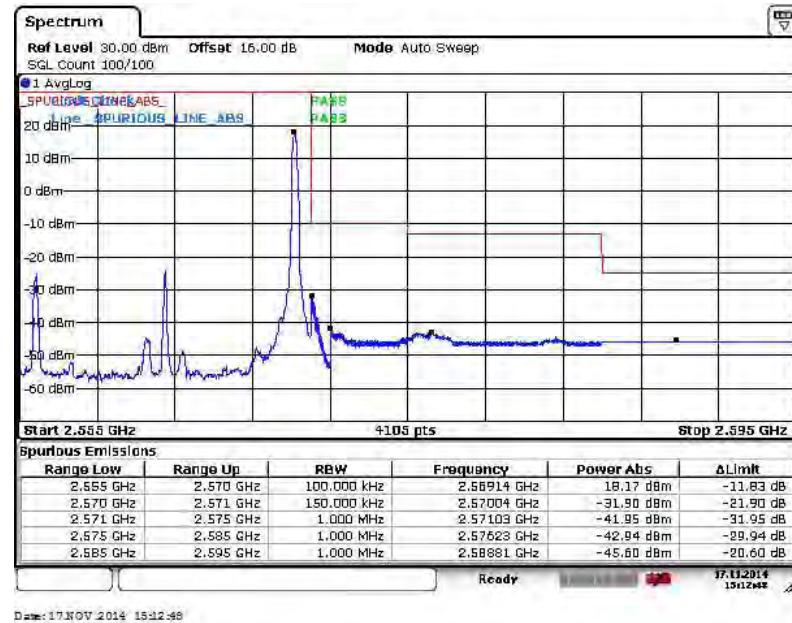


Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0

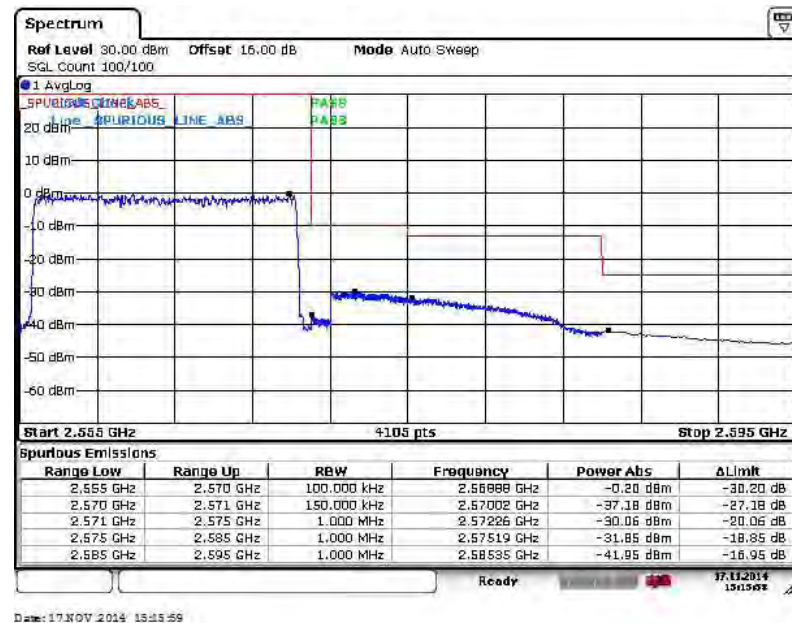




Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74

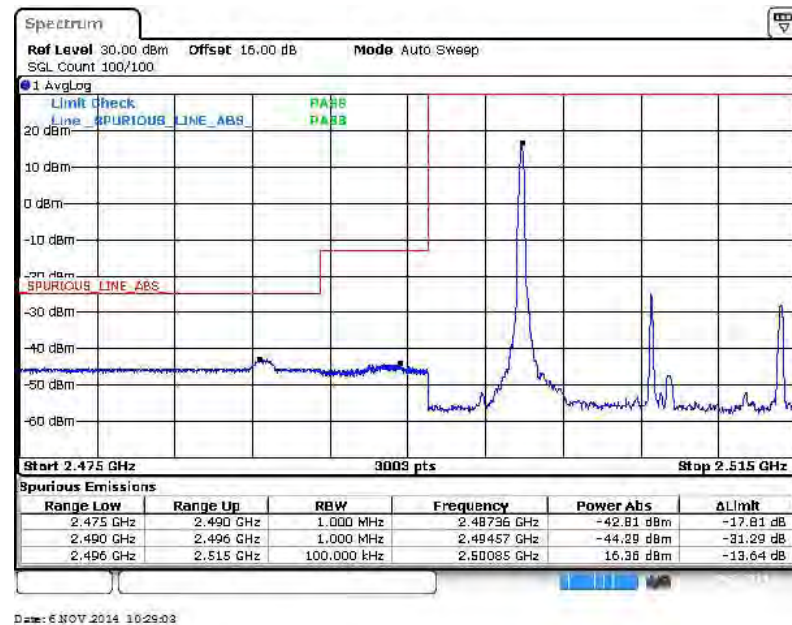


Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0

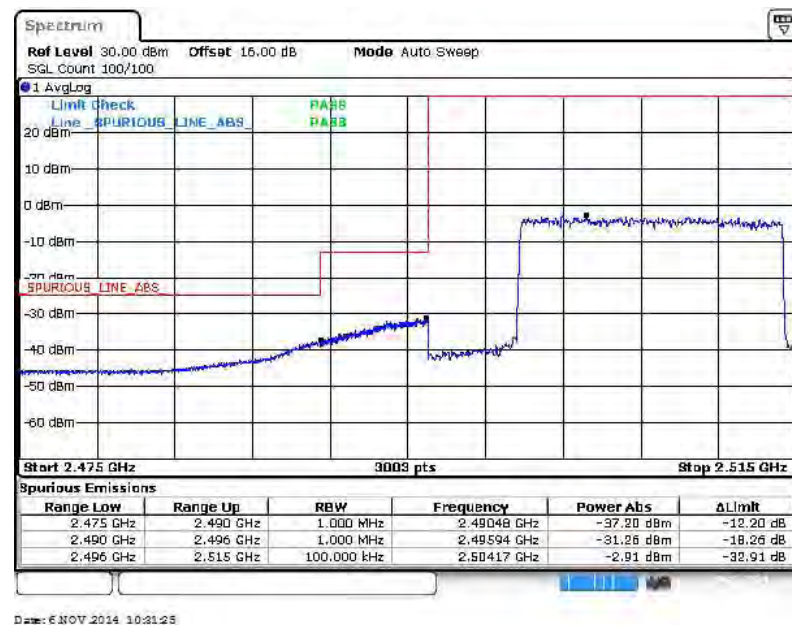


Band :	LTE Band 7	Band Width :	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

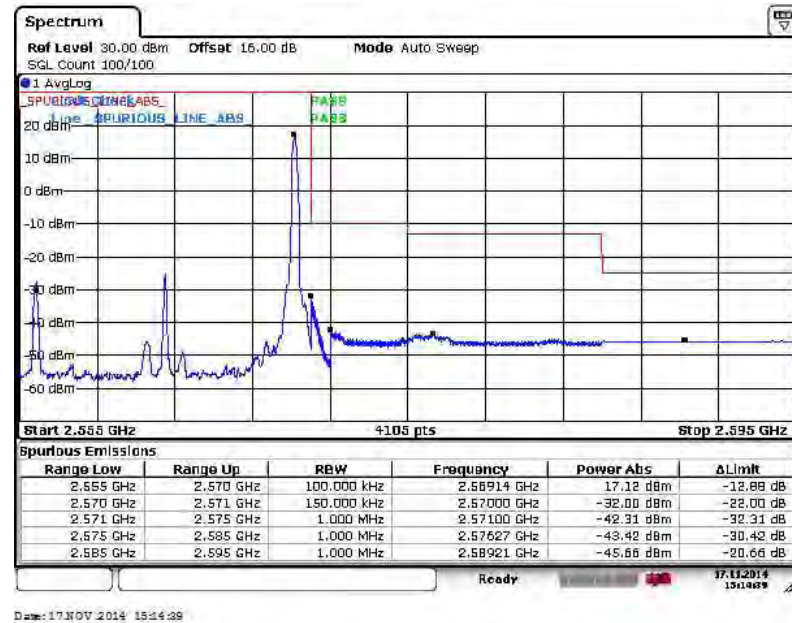


Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

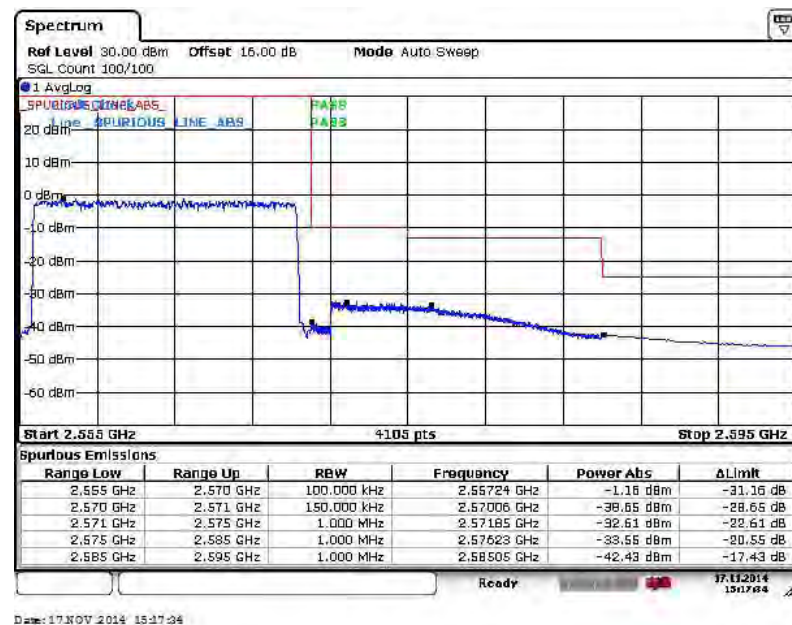




Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74

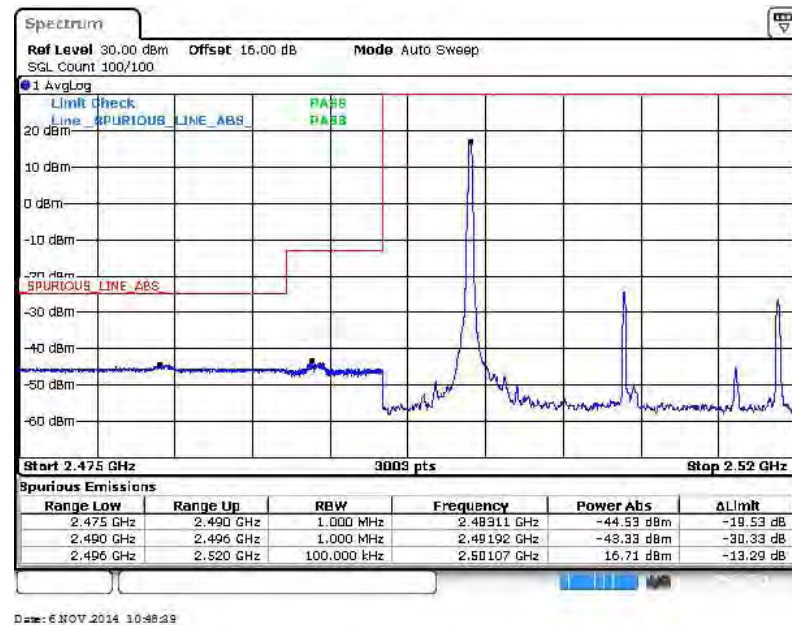


Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

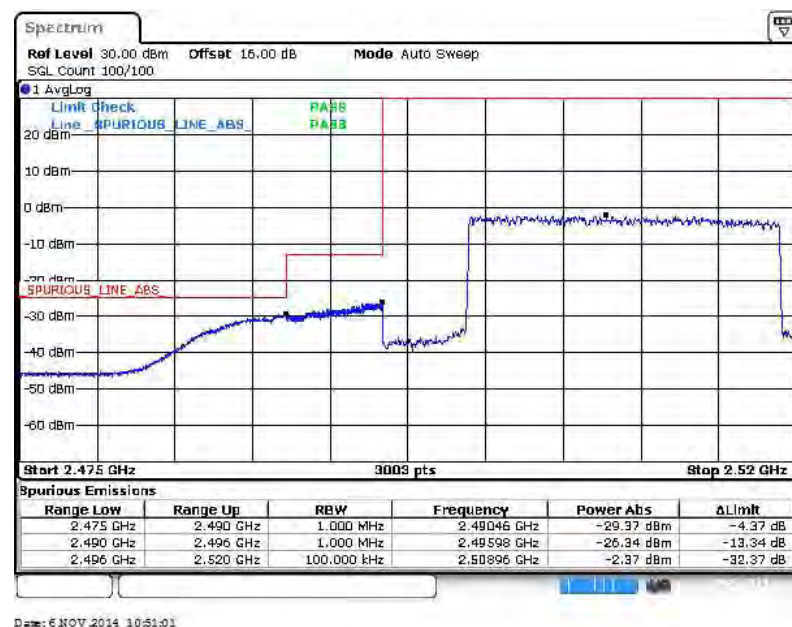


Band :	LTE Band 7	Band Width :	20MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0

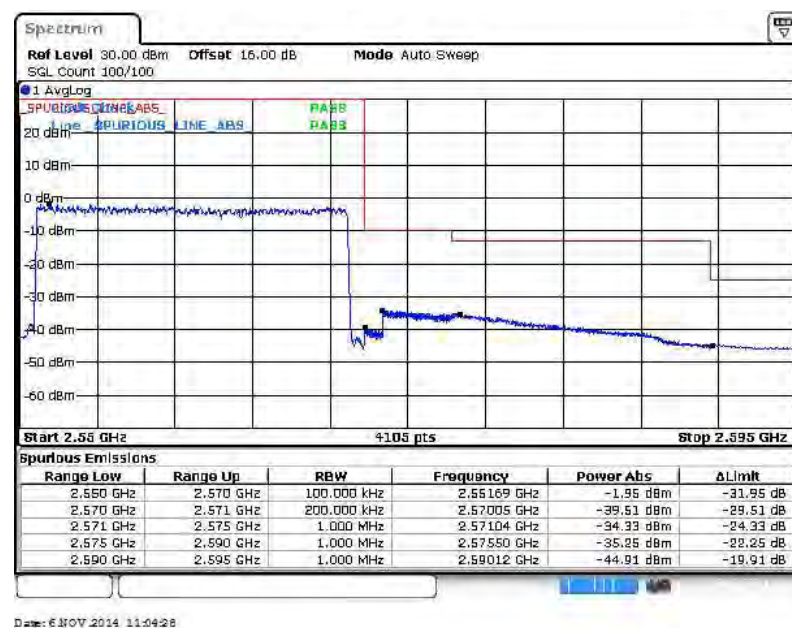




Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99

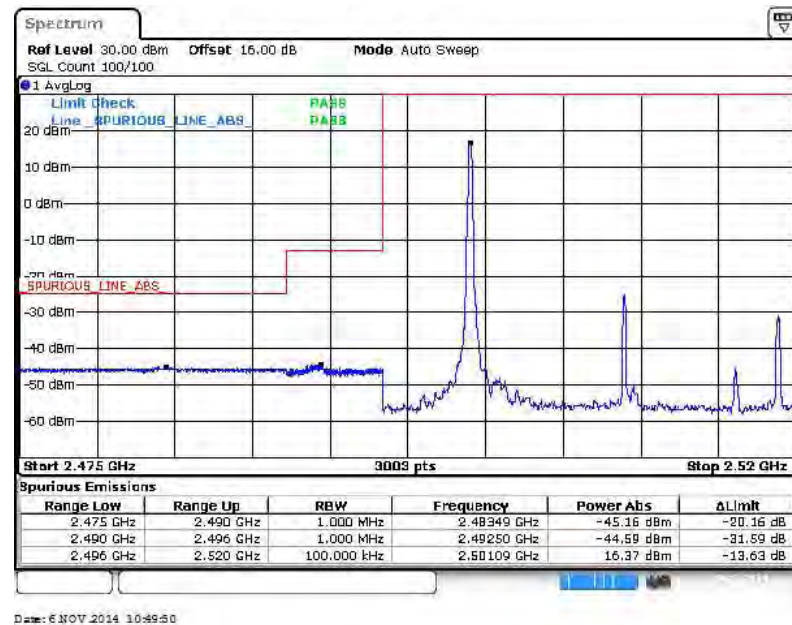


Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

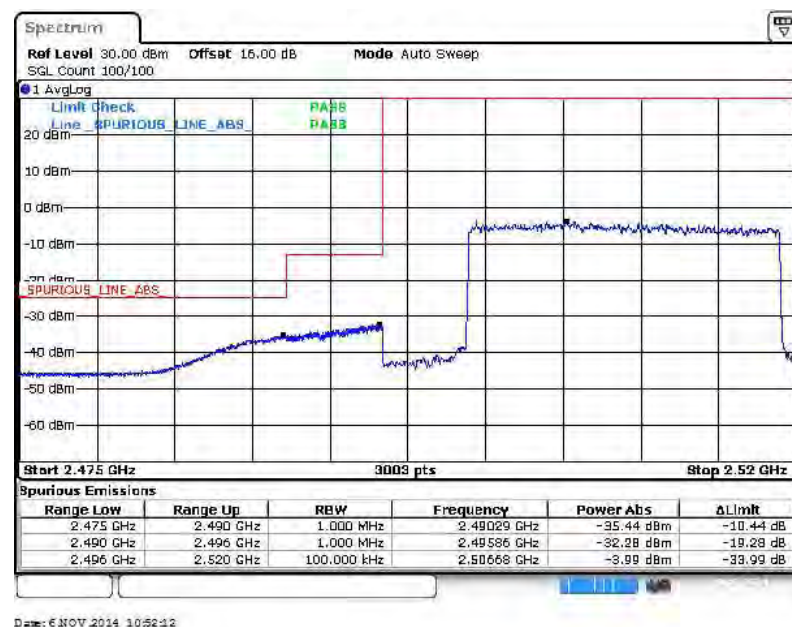


Band :	LTE Band 7	Band Width :	20MHz / 16QAM
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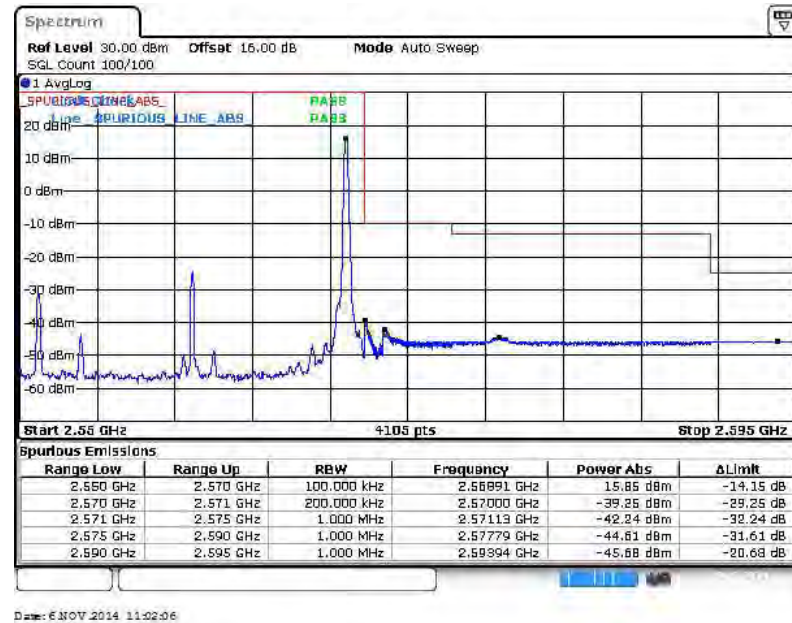
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



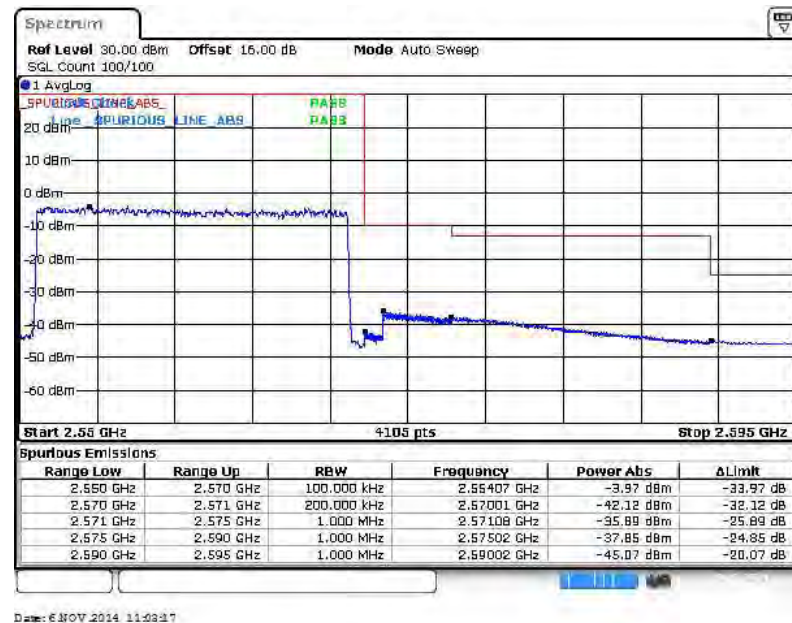
Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



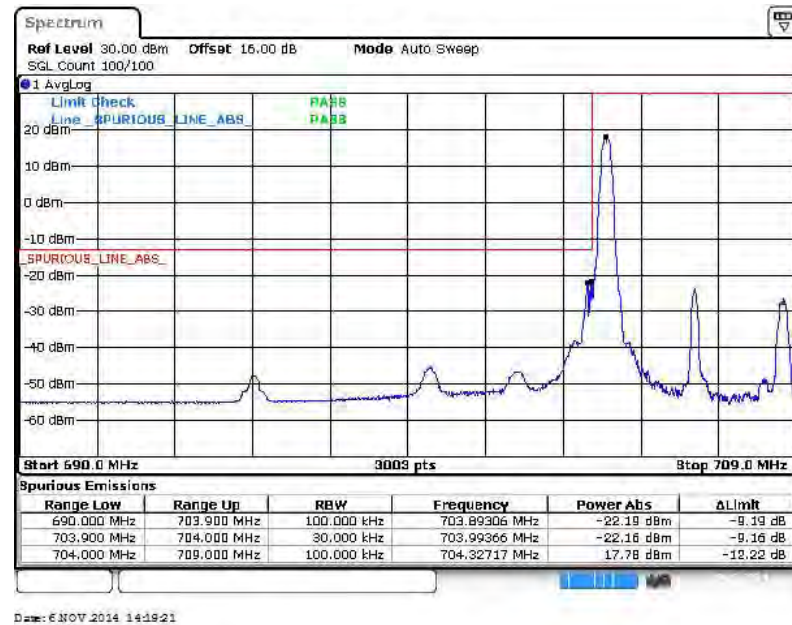
Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



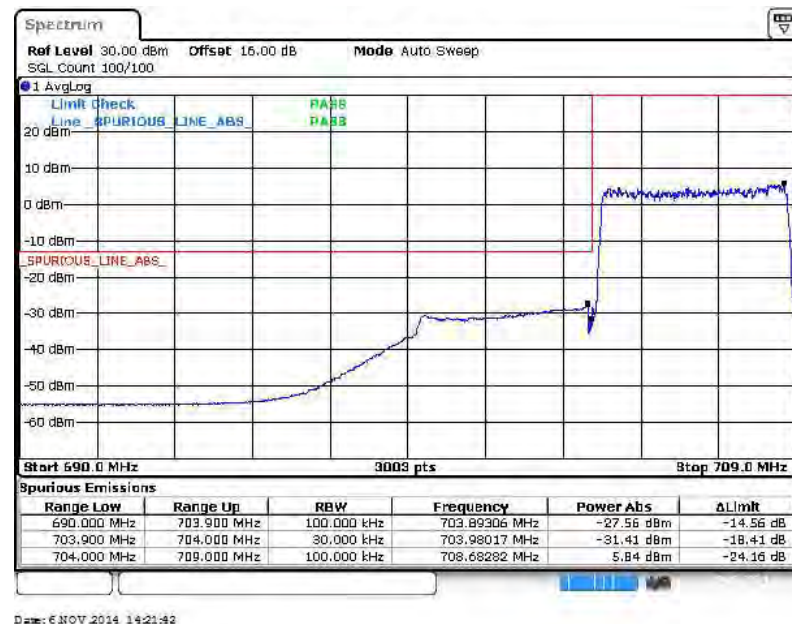


Band :	LTE Band 17	Band Width :	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

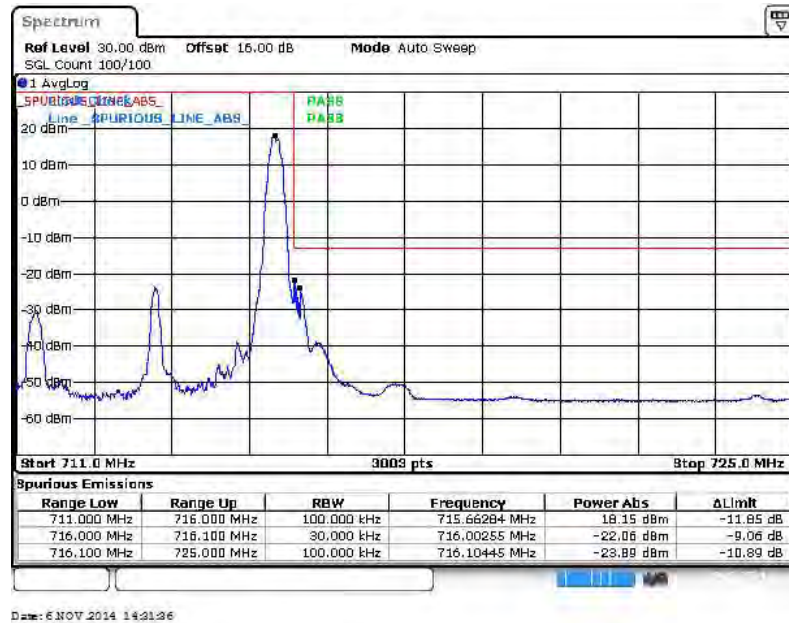


Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0

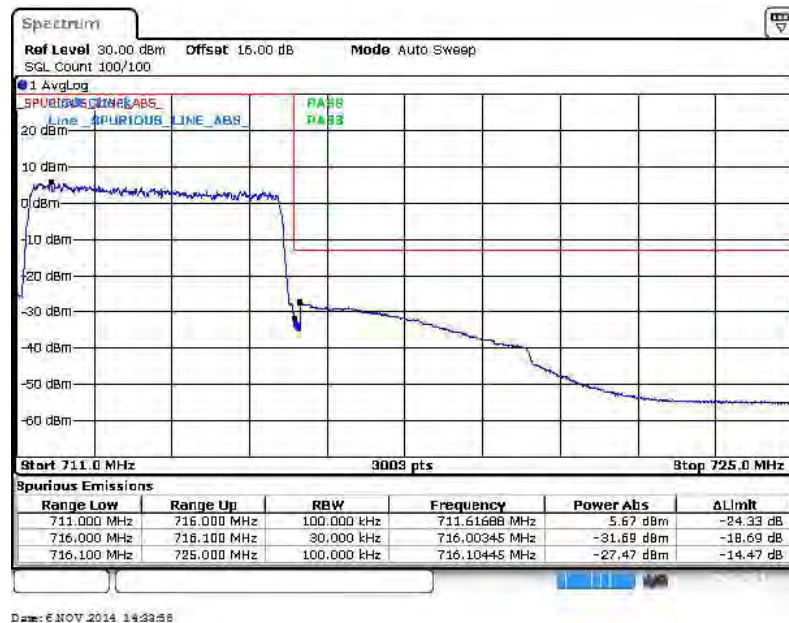




Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24

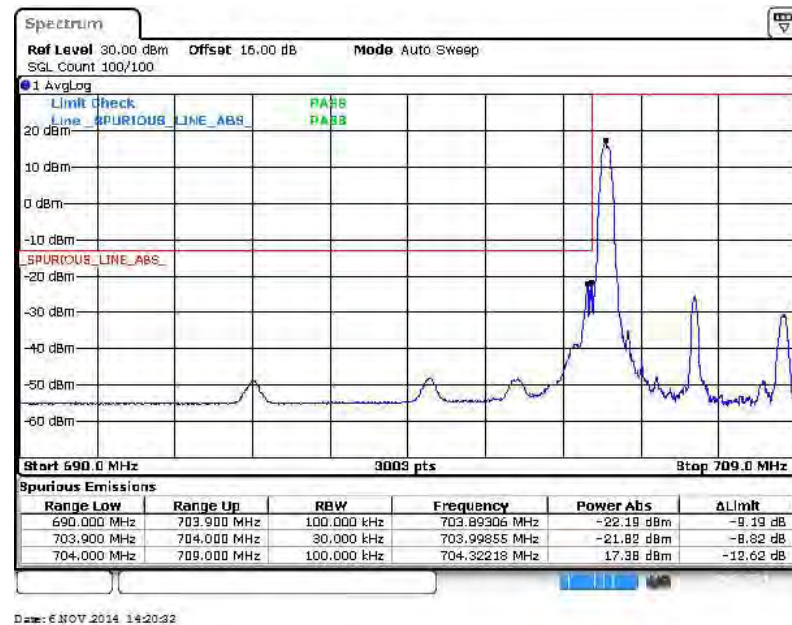


Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

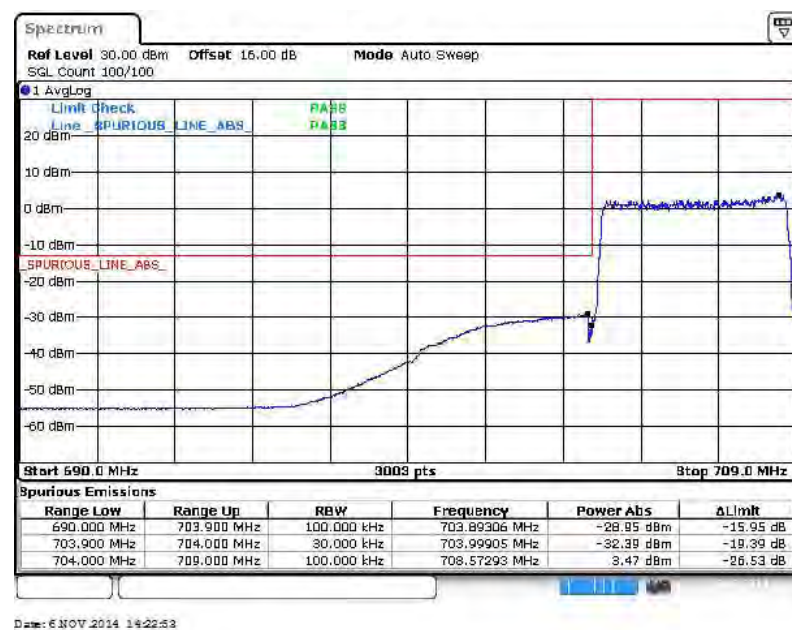


Band :	LTE Band 17	Band Width :	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0

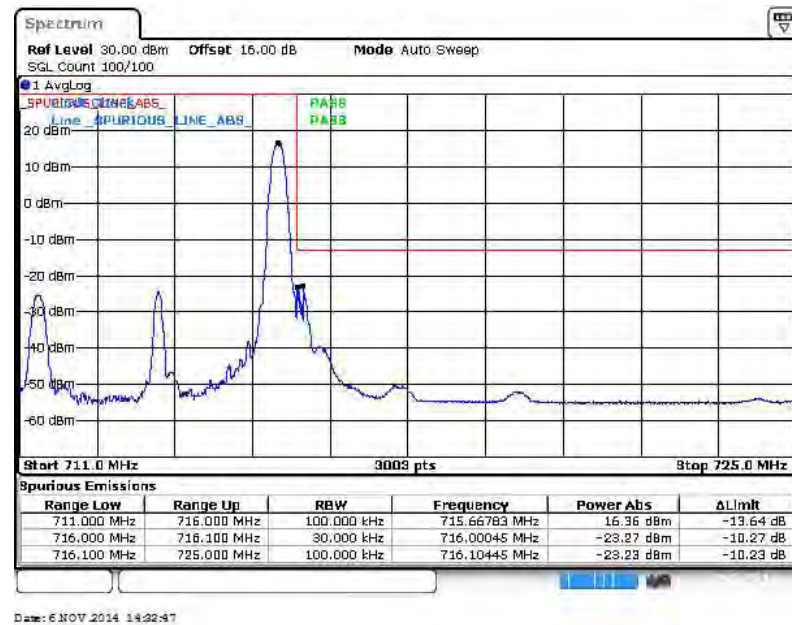


Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0

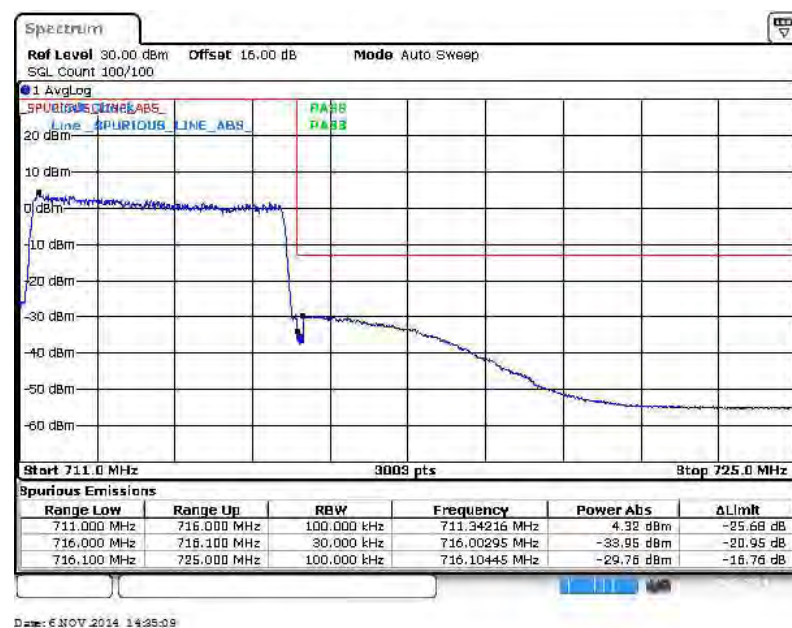




Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0

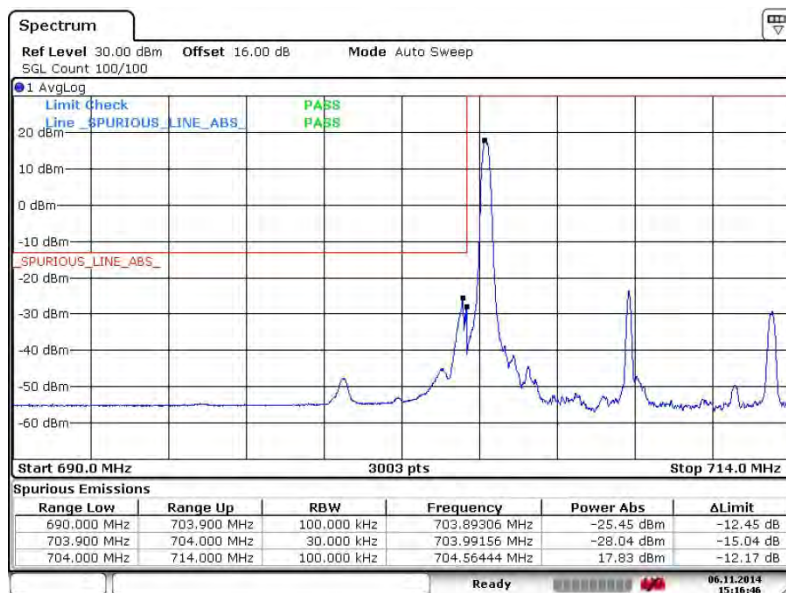




Band : LTE Band 17

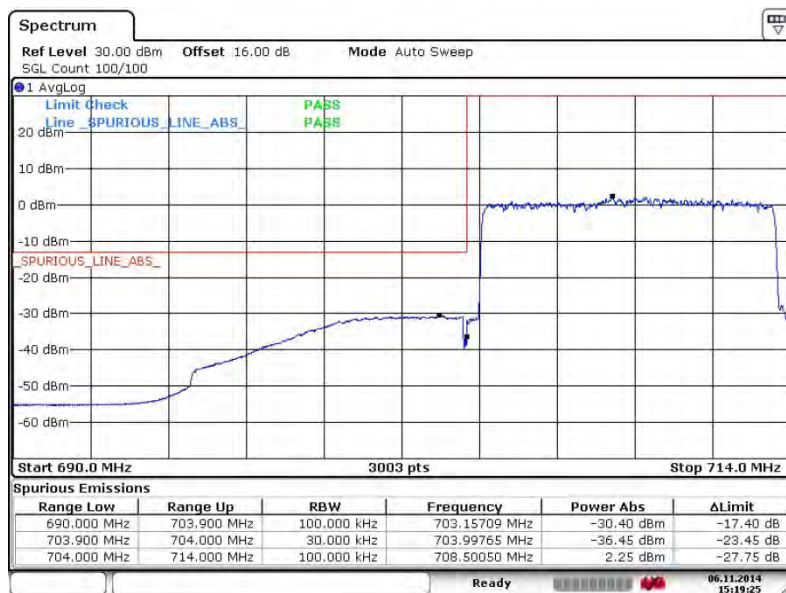
Band Width : 10MHz / QPSK

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



Date: 6.NOV.2014 15:16:48

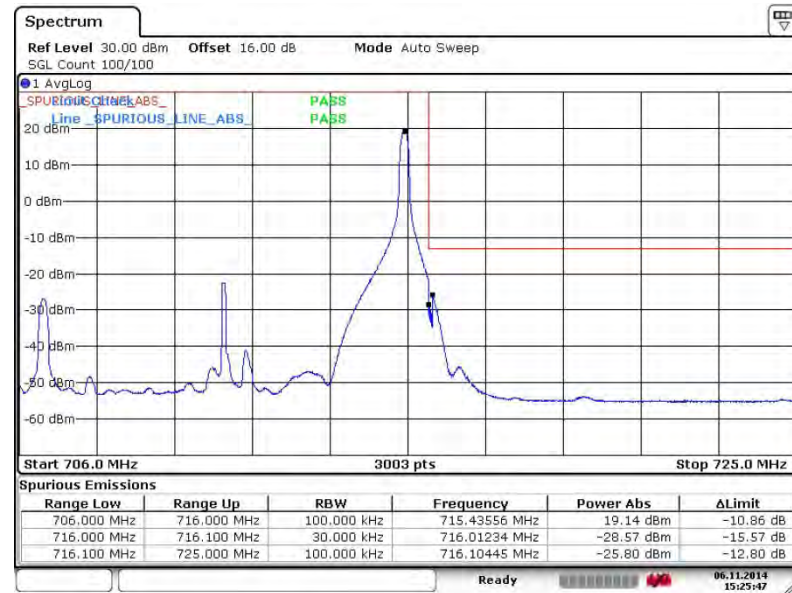
Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 6.NOV.2014 15:19:25

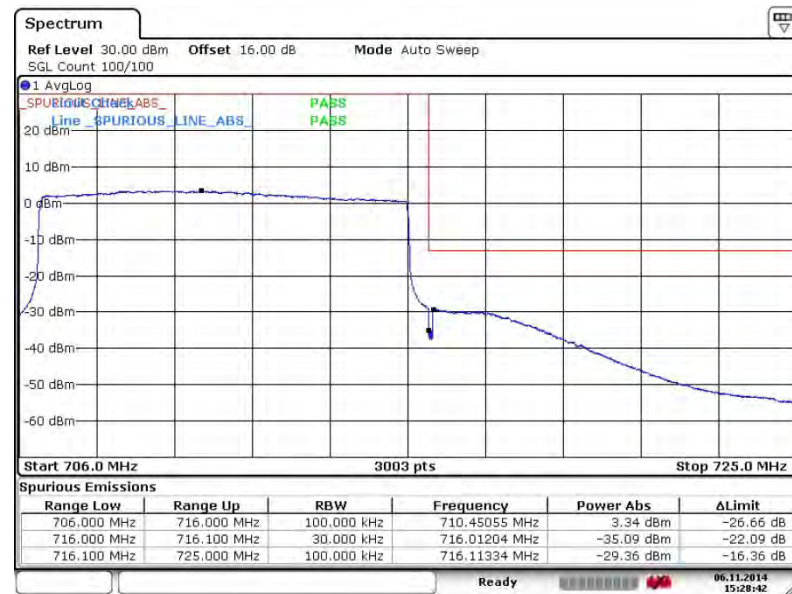


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 6 NOV. 2014 15:25:47

Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

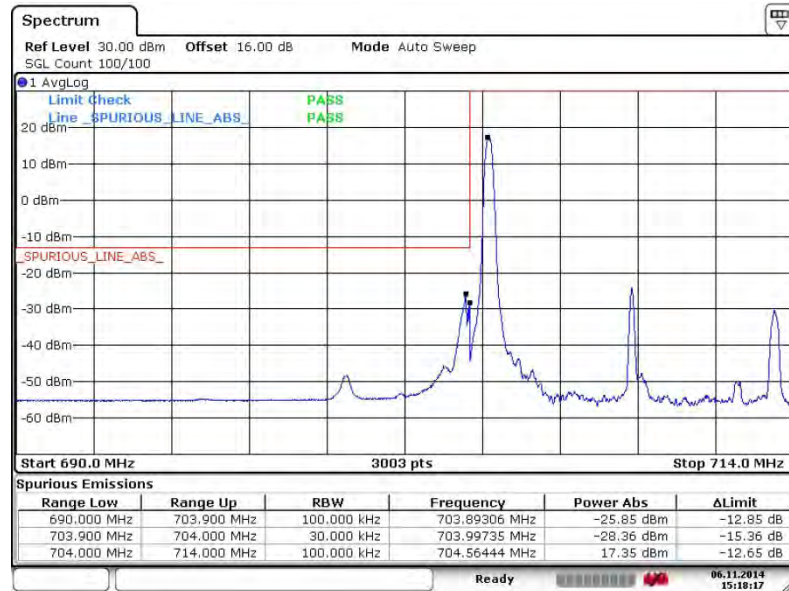


Date: 6 NOV. 2014 15:28:41



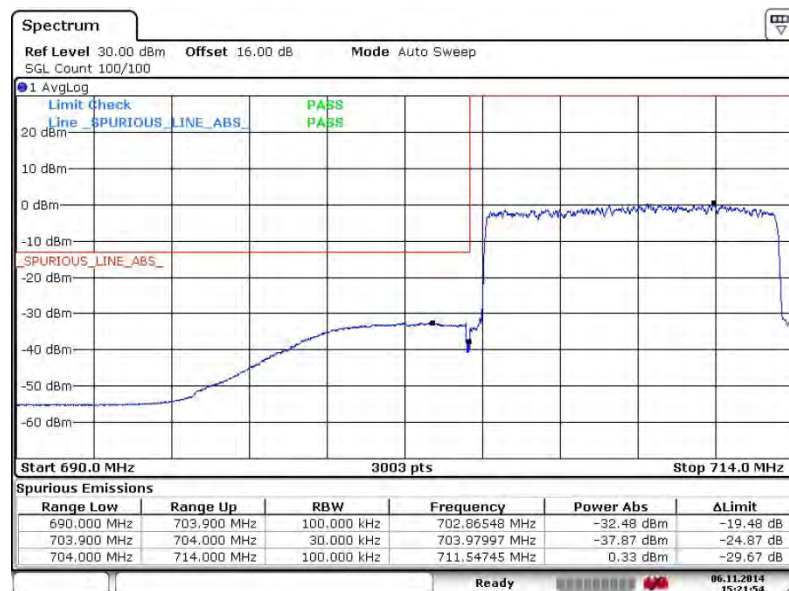
Band :	LTE Band 17	Band Width :	10MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



Date: 6.NOV.2014 15:18:17

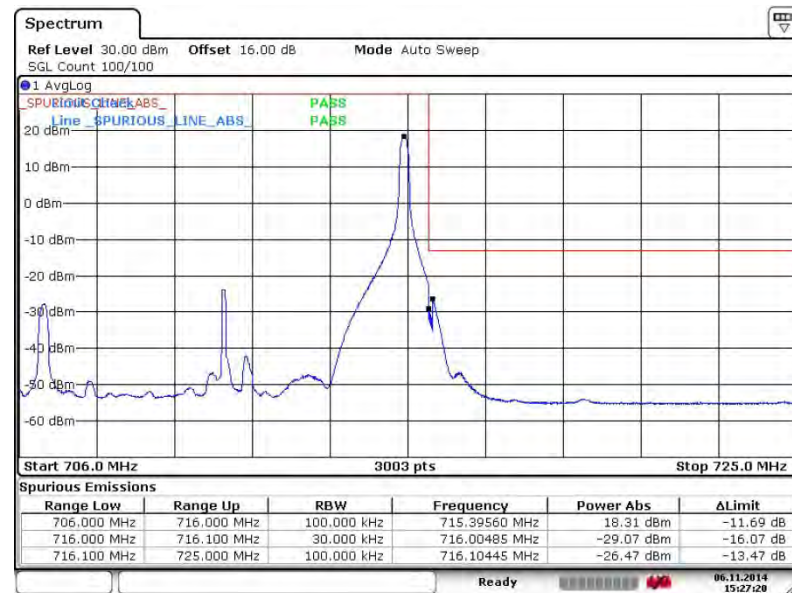
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 6.NOV.2014 15:21:54

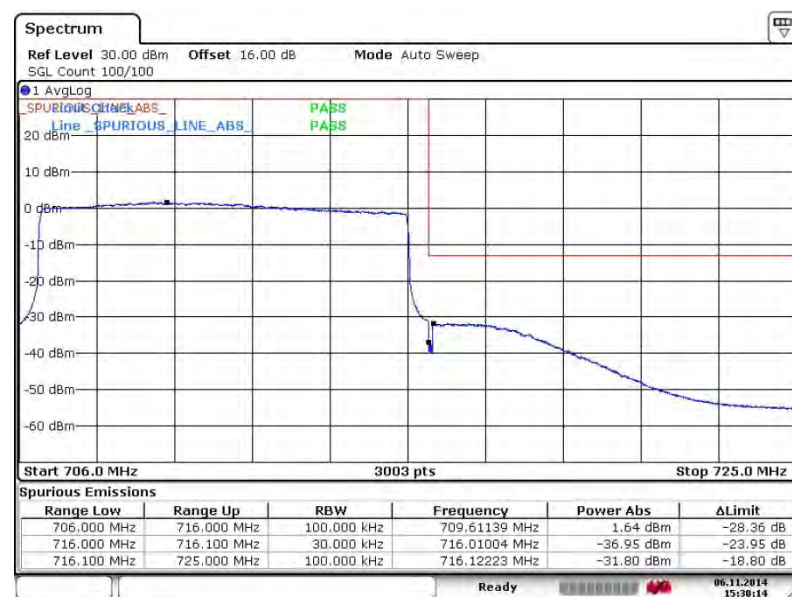


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



Date: 6 NOV. 2014 15:27:21

Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 6 NOV. 2014 15:30:14

3.6 Conducted Spurious Emission Measurement

3.6.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For Band 7

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 9 kHz up to a frequency including its 10th harmonic.

3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was connected to spectrum analyzer and LTE base station via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm.

For Band 7

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [55 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ dBm.