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[Watts]) dB below the transmitter power P(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[Watts]) dB below the transmitter power P(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 (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.

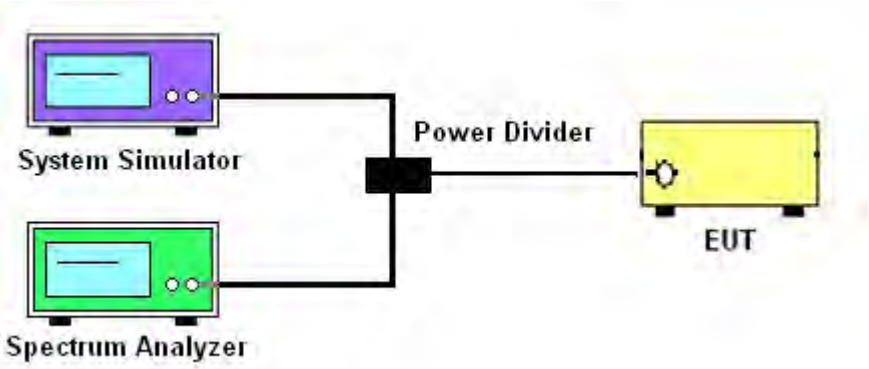
3.5.2 Measuring Instruments

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 system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
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 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
   = -13dBm.
   <For Band 7>
   The limit line is derived from 55+ 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [55 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [55 + 10log(P)] (dB)
   = -25dBm.

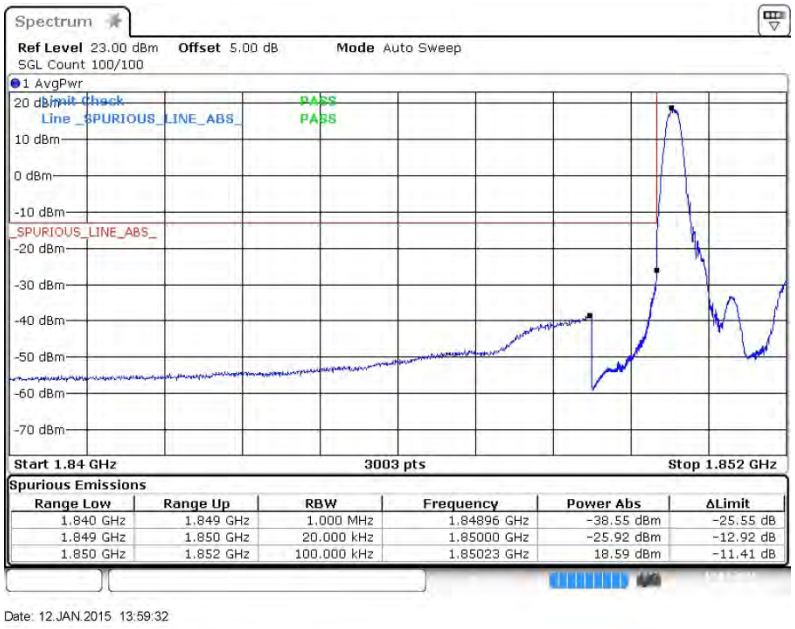
3.5.4 Test Setup



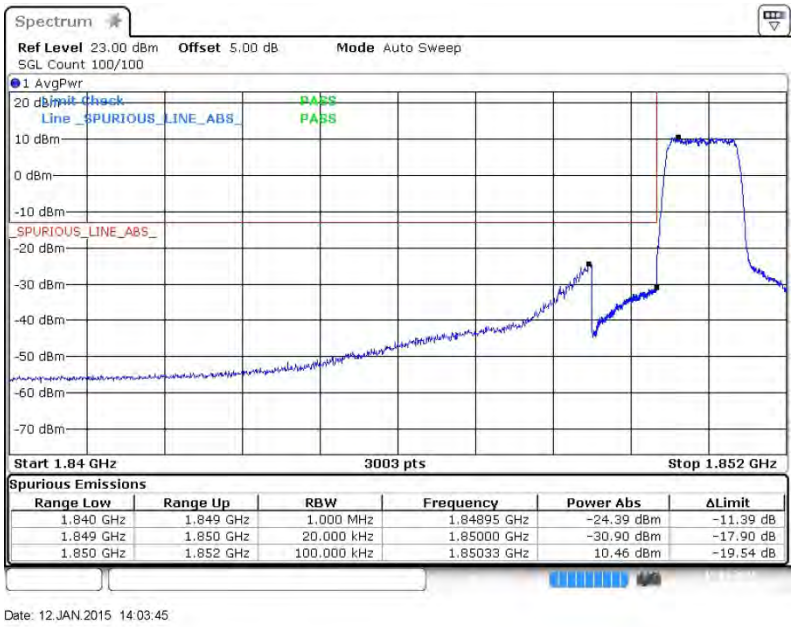
3.5.5 Test Result (Plots) of Conducted Band Edge

Band :	LTE Band 2	Band Width :	1.4MHz / QPSK

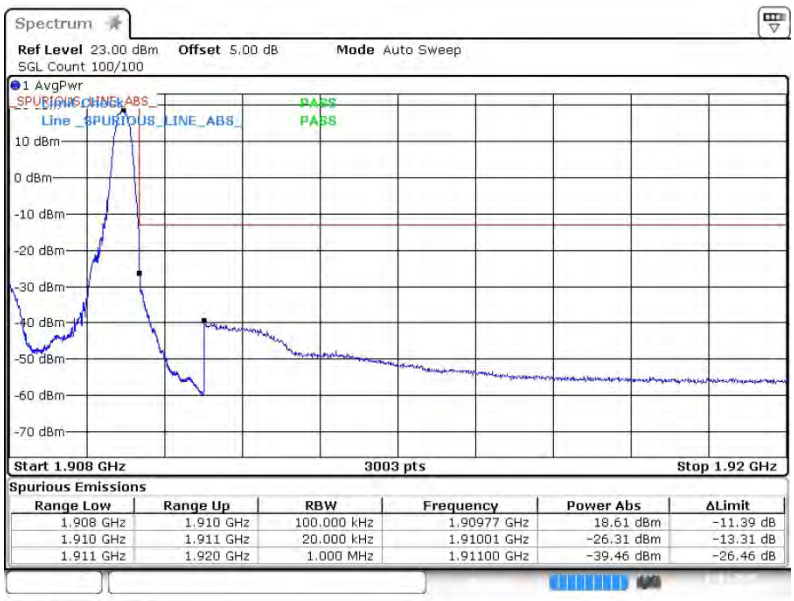
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



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

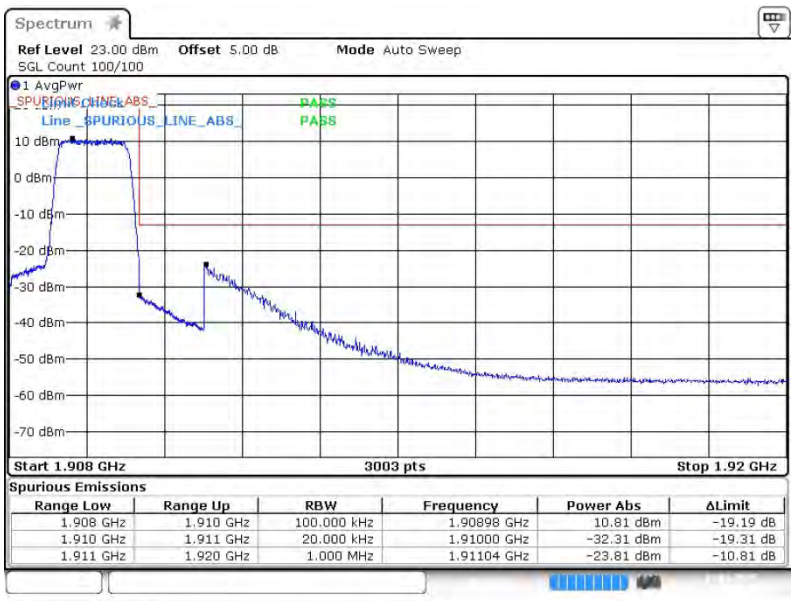


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



Date: 12.JAN.2015 14:08:57

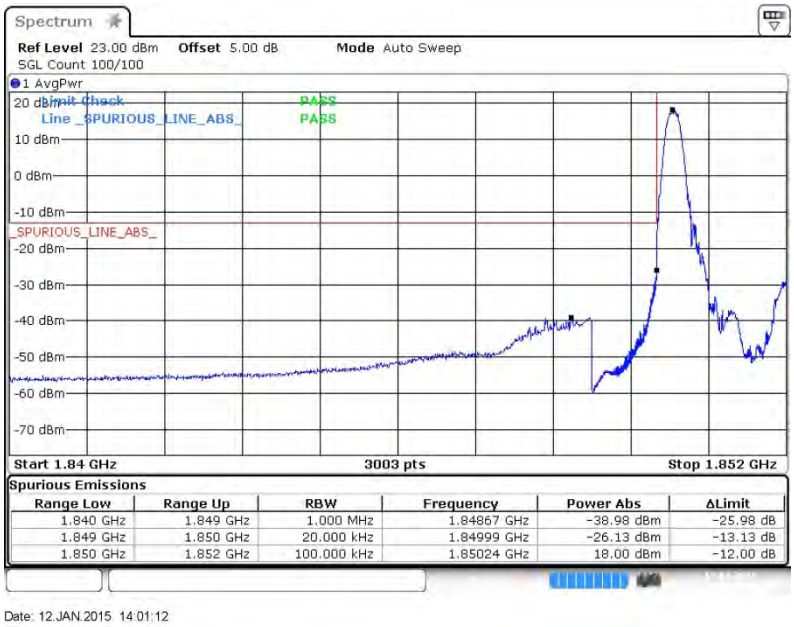
Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0



Date: 12.JAN.2015 14:05:02

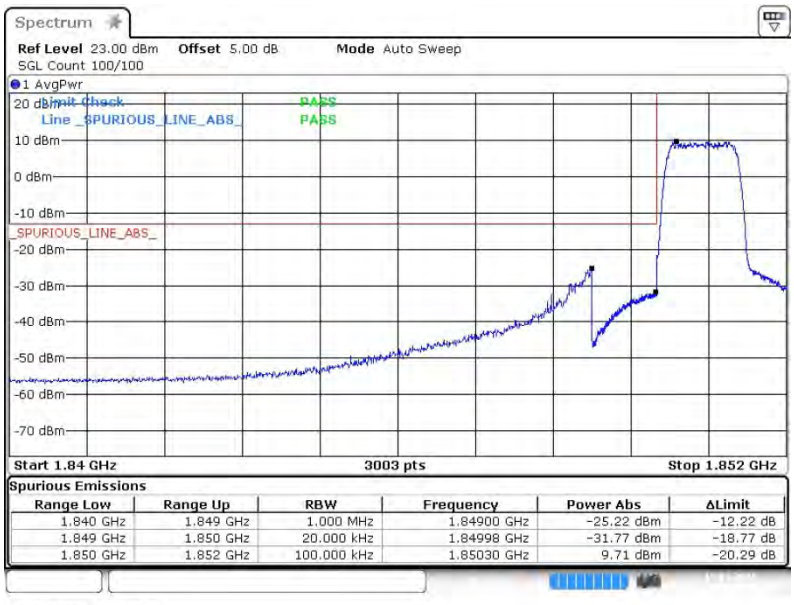
Band :	LTE Band 2	Band Width :	1.4MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



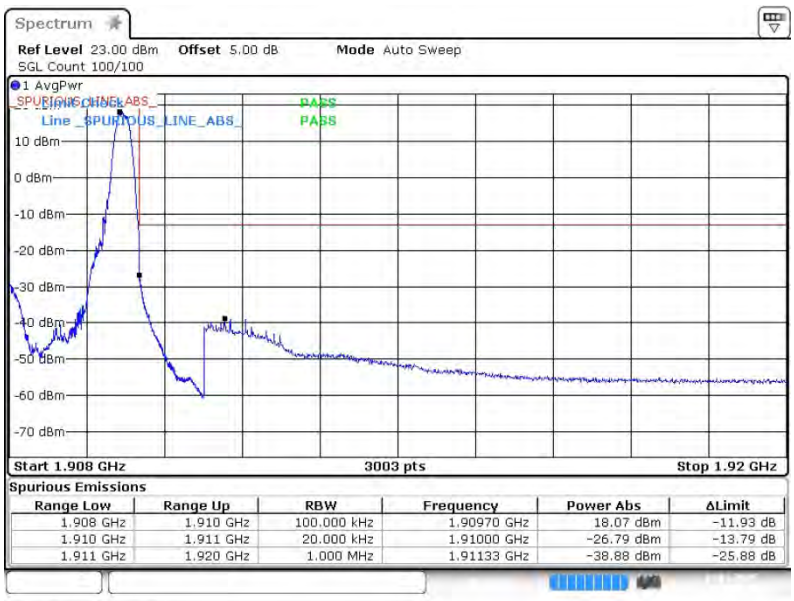
Date: 12.JAN.2015 14:01:12

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



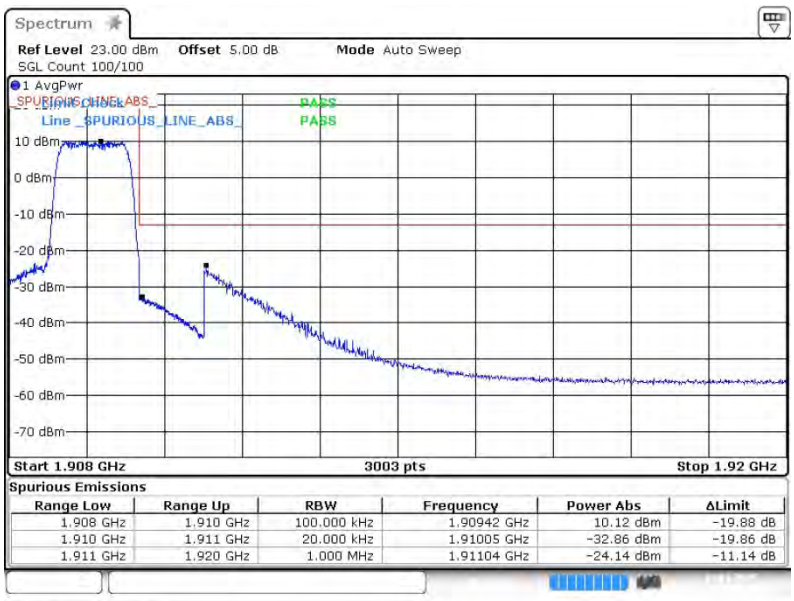
Date: 12.JAN.2015 14:02:25

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



Date: 12.JAN.2015 14:07:40

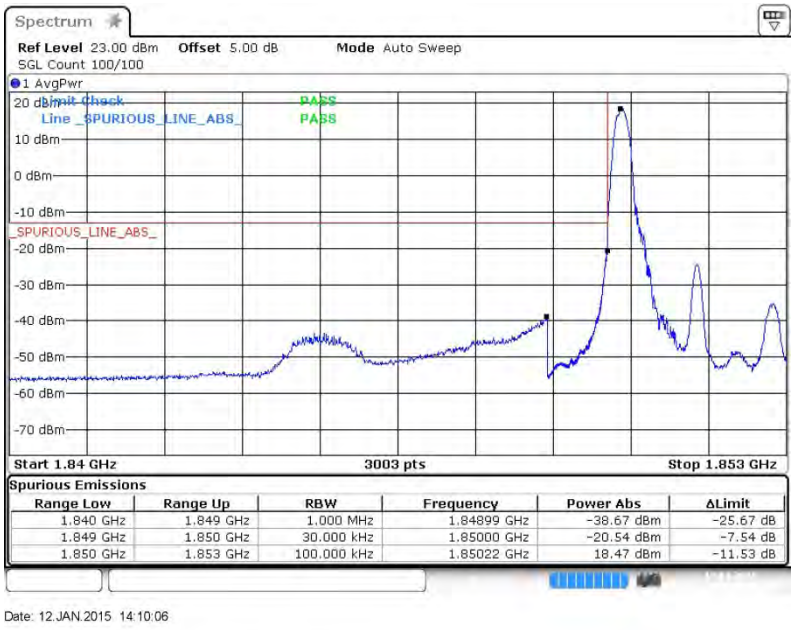
Higher Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



Date: 12.JAN.2015 14:06:28

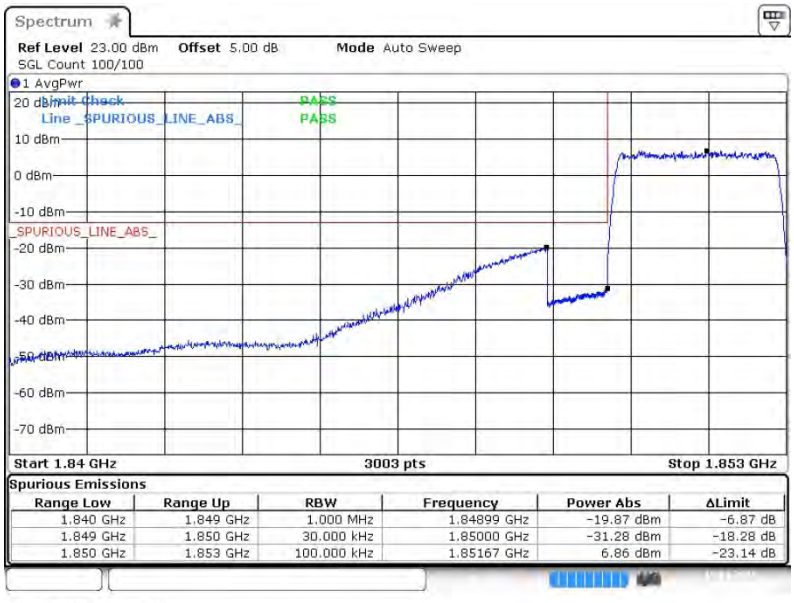
Band :	LTE Band 2	Band Width :	3MHz / QPSK

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



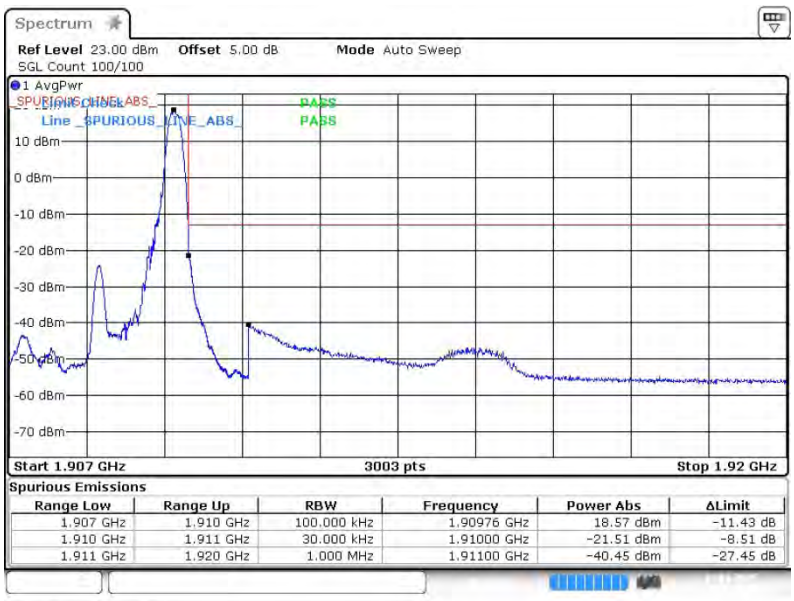
Date: 12.JAN.2015 14:10:06

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



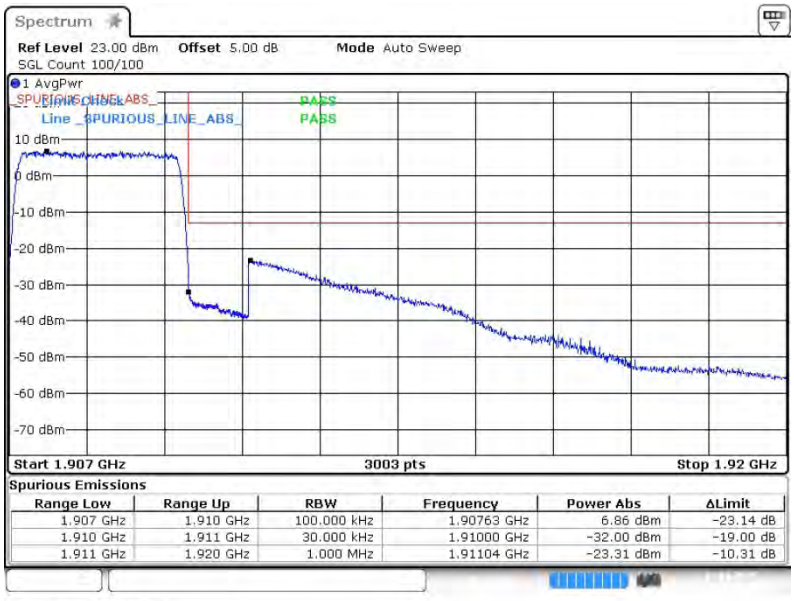
Date: 12.JAN.2015 14:13:00

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



Date: 12.JAN.2015 14:17:05

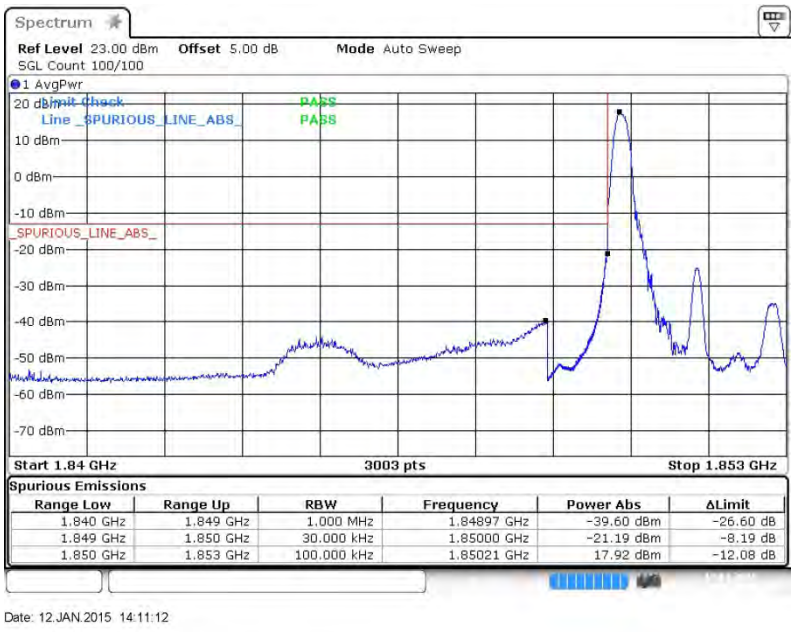
Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 12.JAN.2015 14:13:50

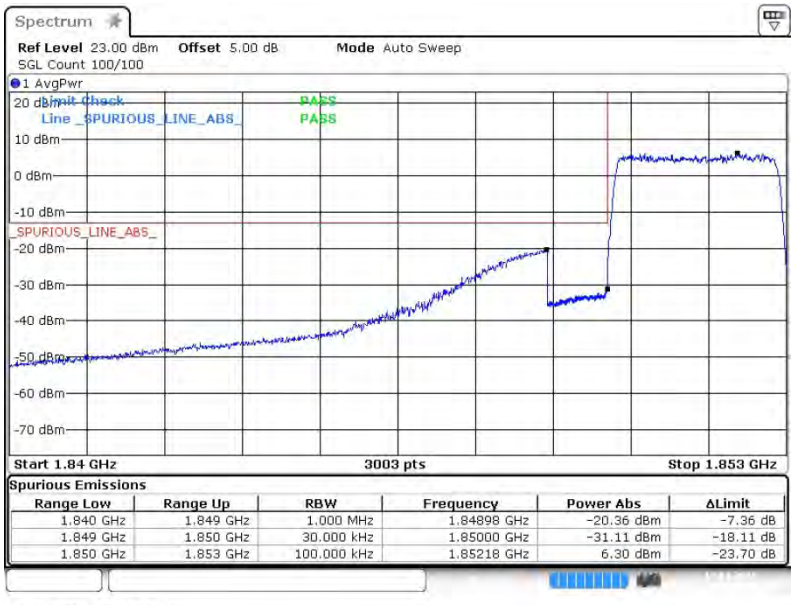
Band :	LTE Band 2	Band Width :	3MHz / 16QAM

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



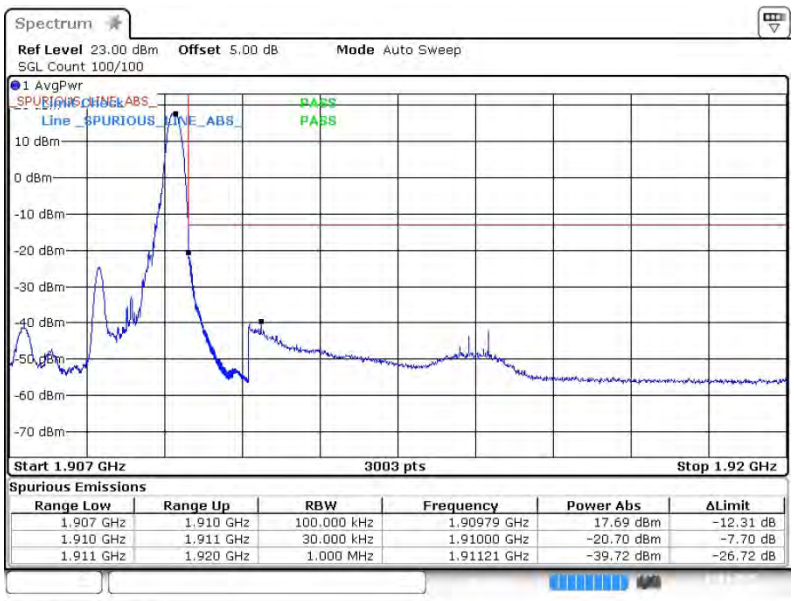
Date: 12.JAN.2015 14:11:12

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



Date: 12.JAN.2015 14:12:06

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



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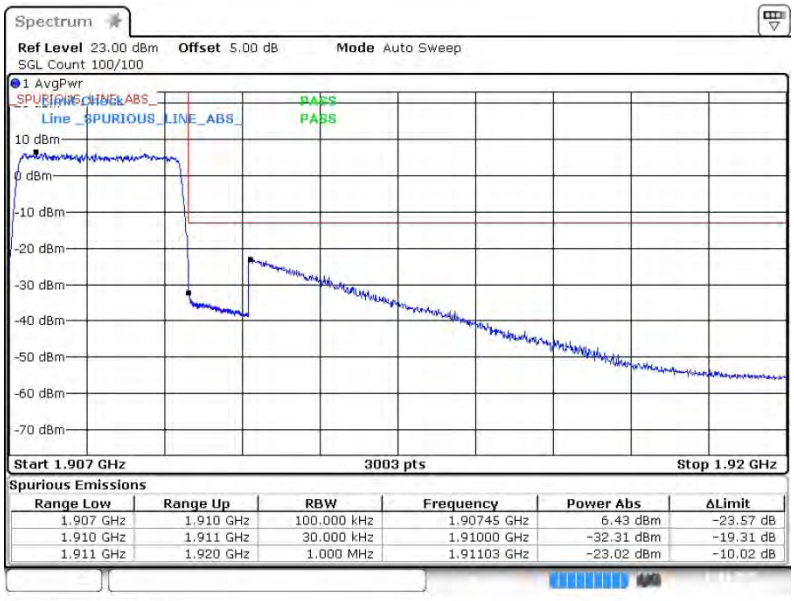
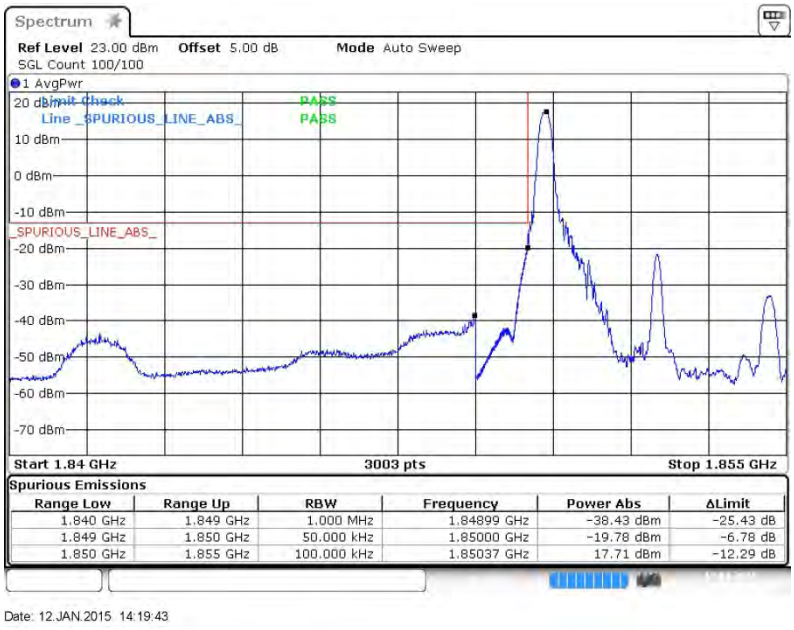
Higher Band Edge Plot for 16QAM -RB Size 15, RB Offset 0



Date: 12.JAN.2015 14:15:06

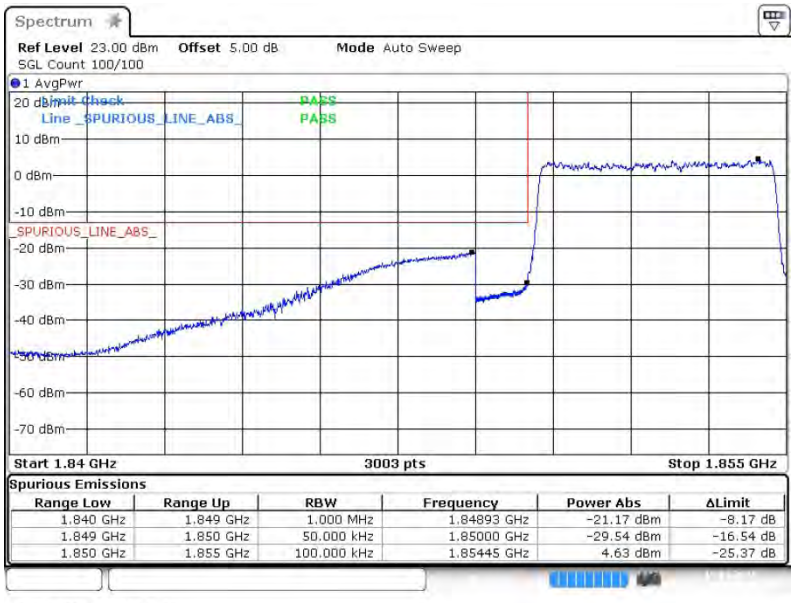
Band :	LTE Band 2	Band Width :	5MHz / QPSK

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



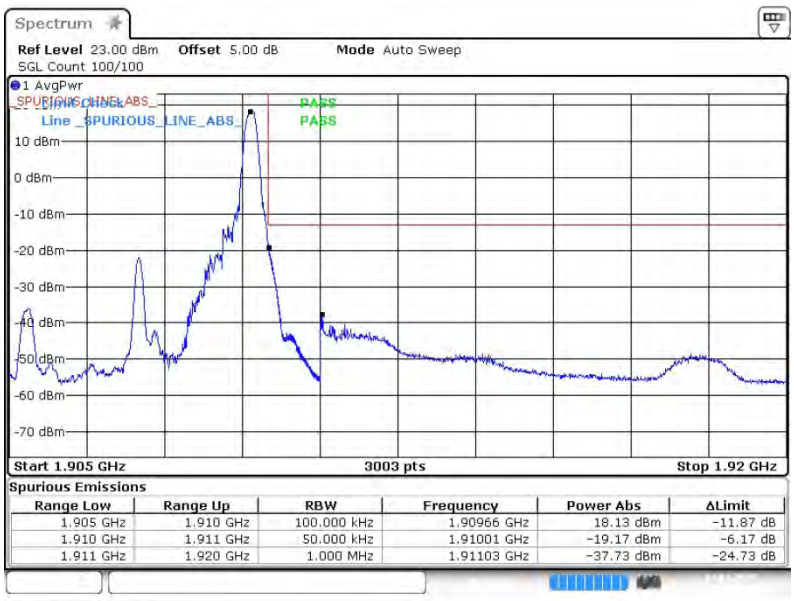
Date: 12.JAN.2015 14:19:43

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



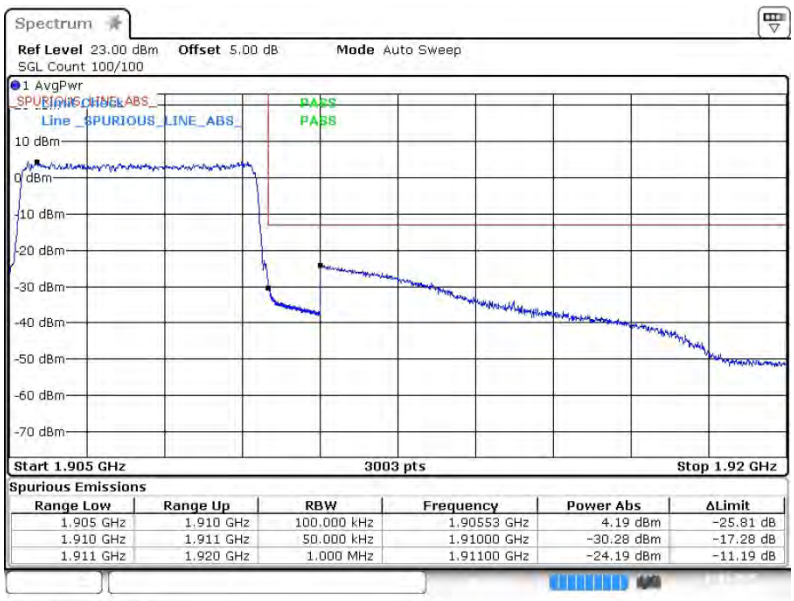
Date: 12.JAN.2015 14:22:21

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



Date: 12.JAN.2015 14:26:58

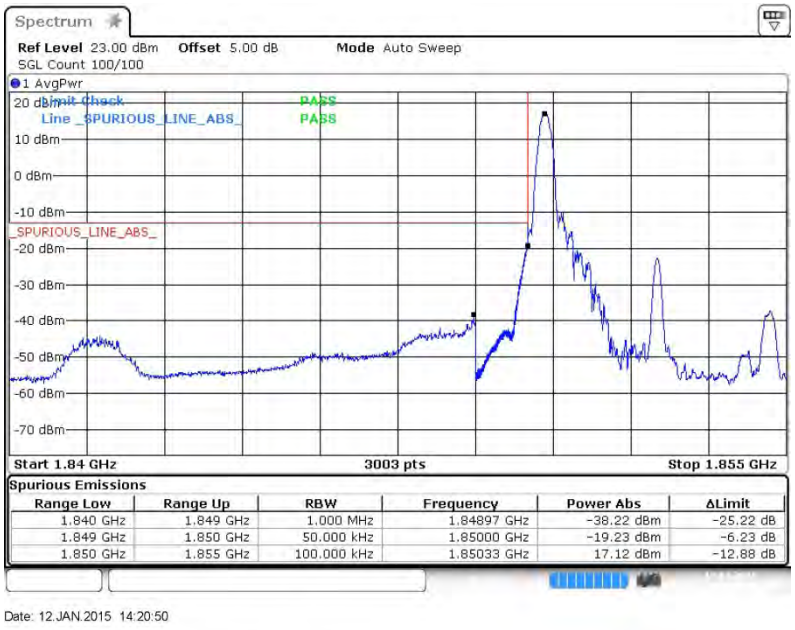
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



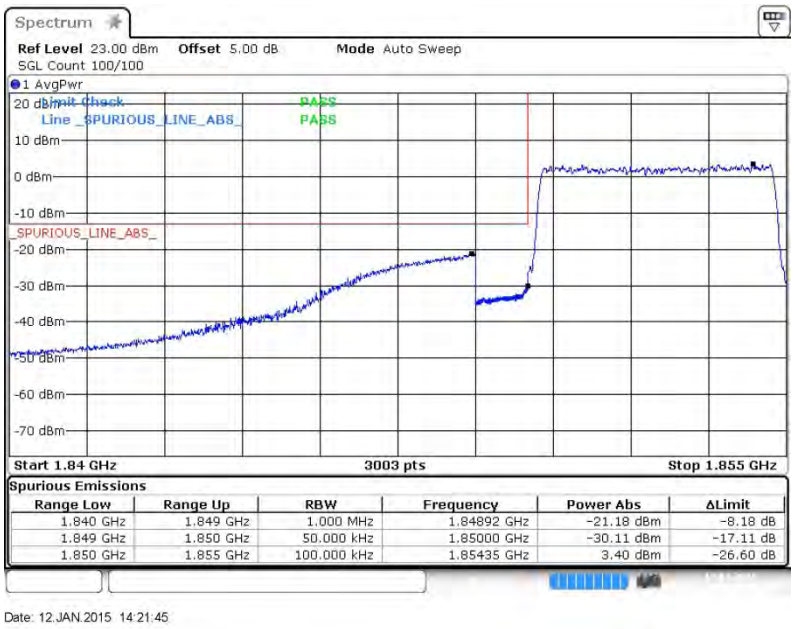
Date: 12.JAN.2015 14:22:58

Band :	LTE Band 2	Band Width :	5MHz / 16QAM

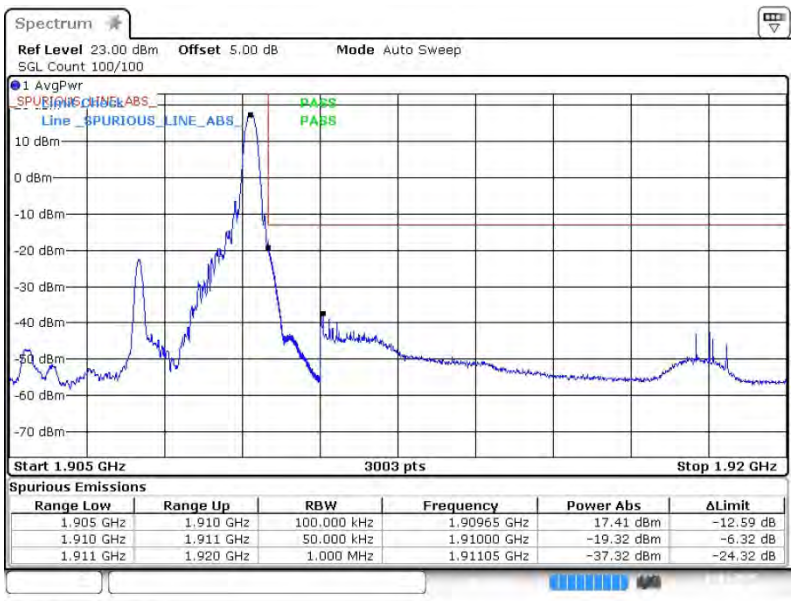
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



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

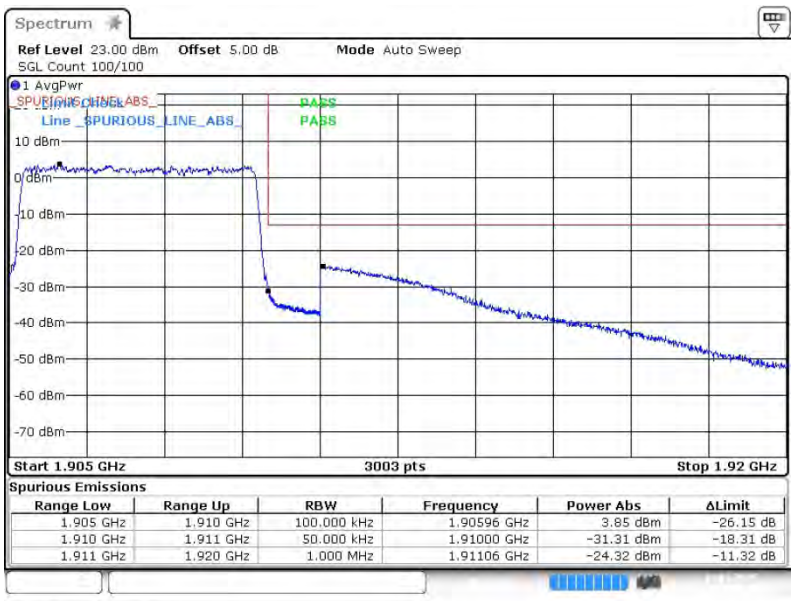


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 12.JAN.2015 14:25:49

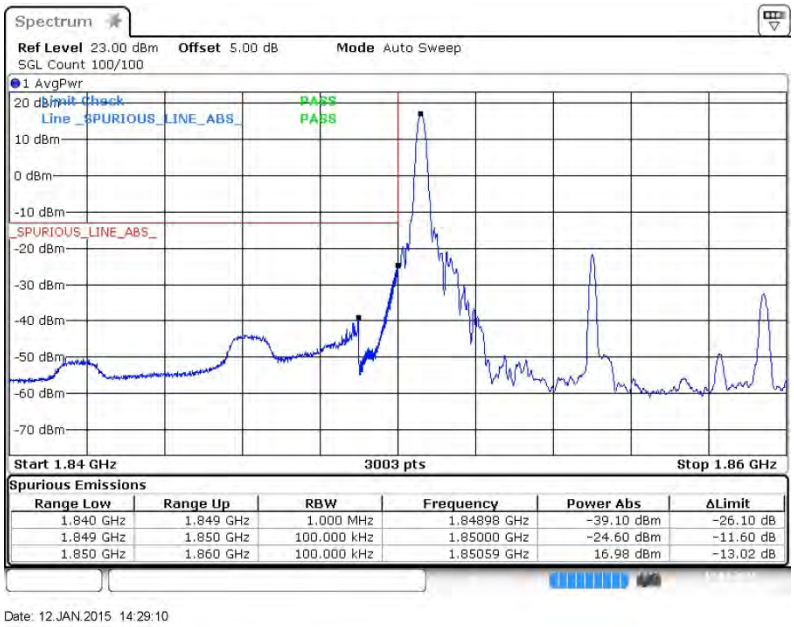
Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



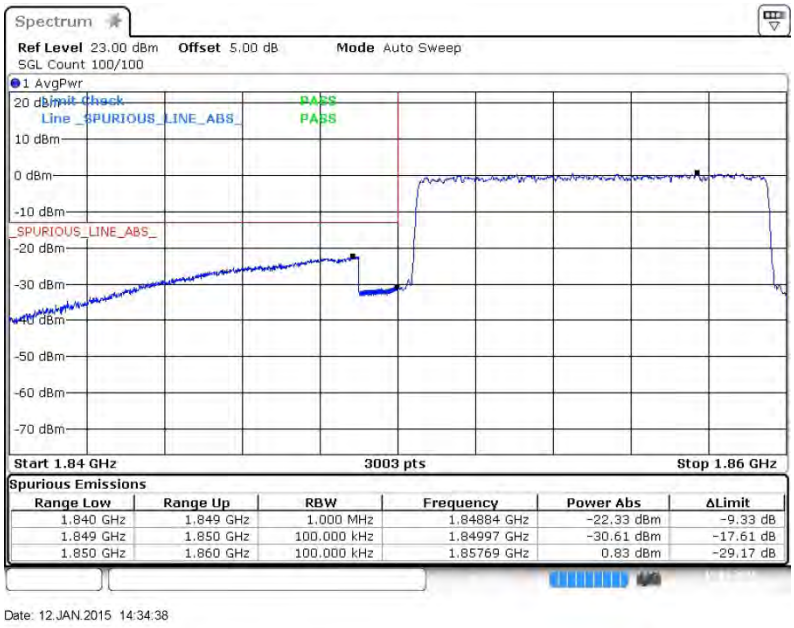
Date: 12.JAN.2015 14:23:44

Band :	LTE Band 2	Band Width :	10MHz / QPSK

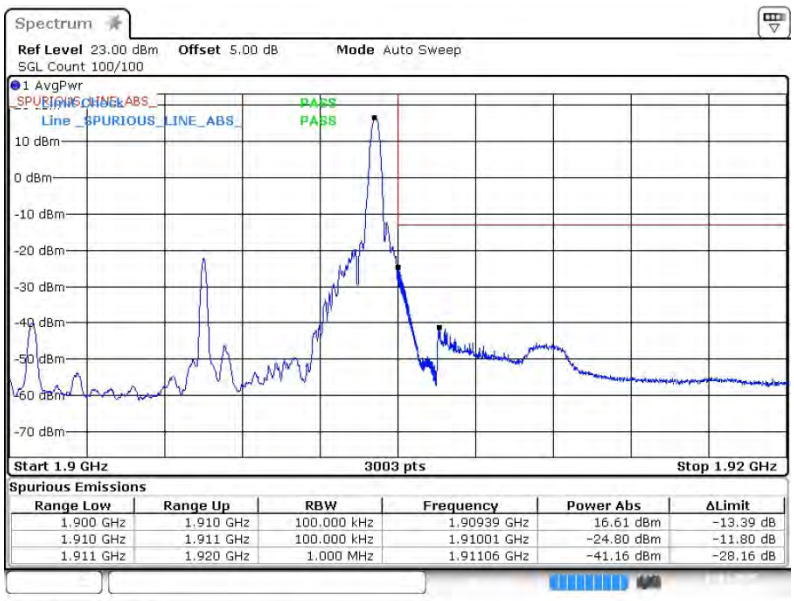
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



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

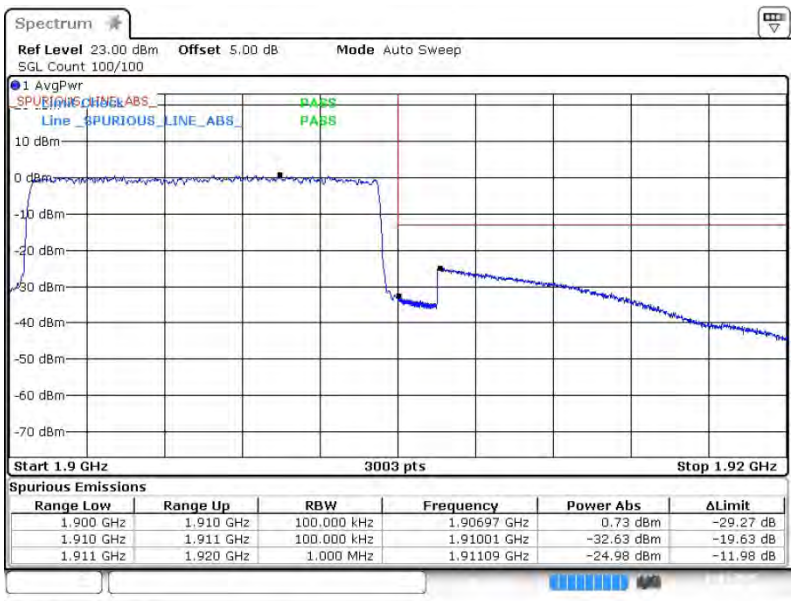


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Date: 12.JAN.2015 14:38:09

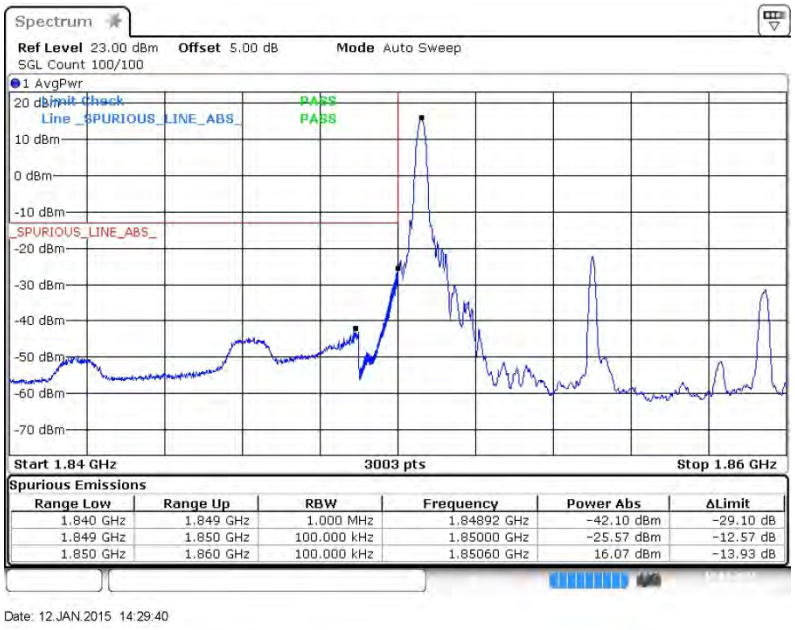
Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0



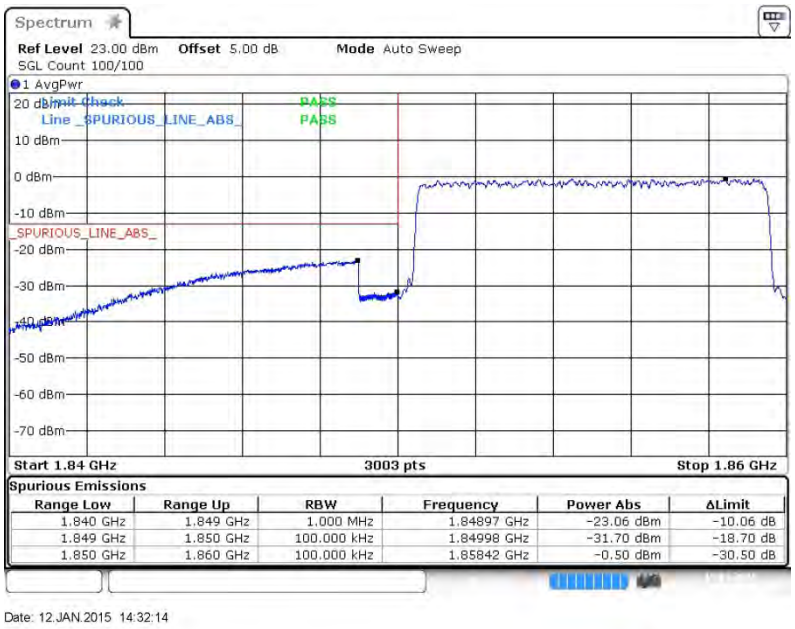
Date: 12.JAN.2015 14:35:14

Band :	LTE Band 2	Band Width :	10MHz / 16QAM

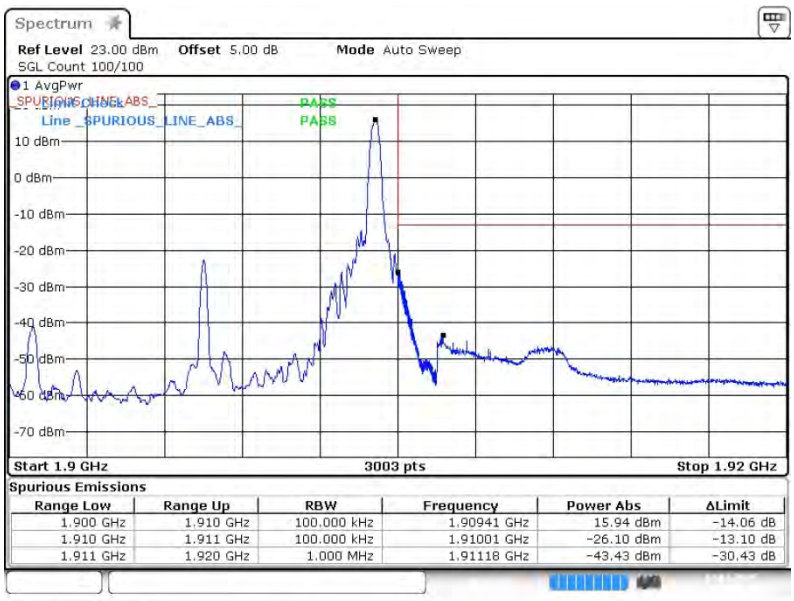
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



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

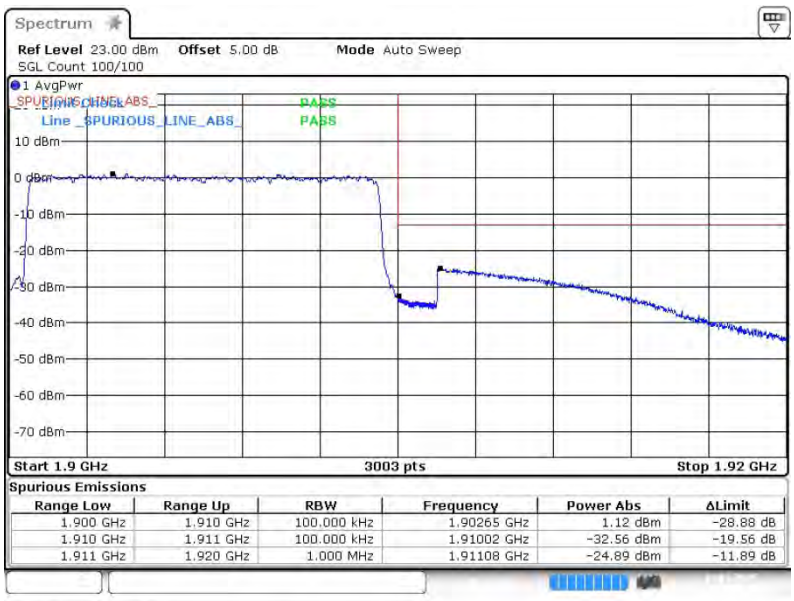


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



Date: 12.JAN.2015 14:37:39

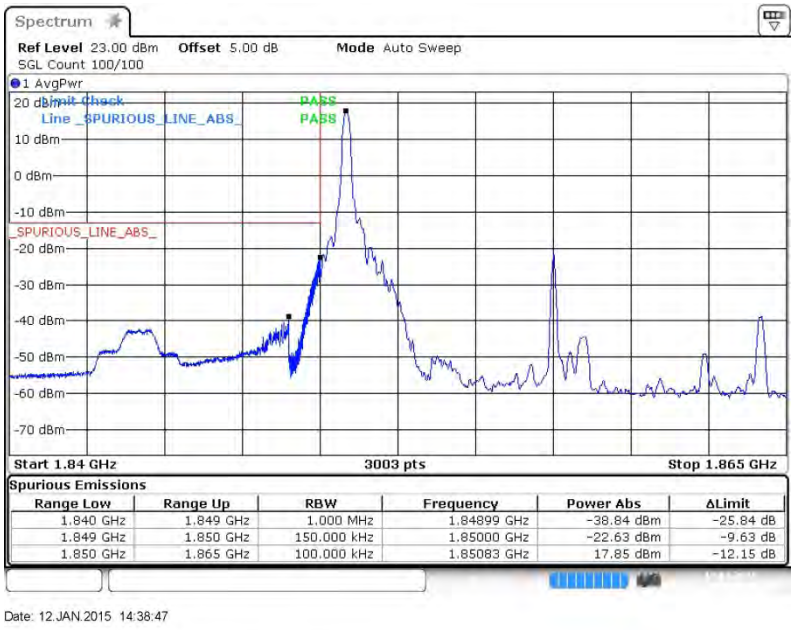
Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 12.JAN.2015 14:36:55

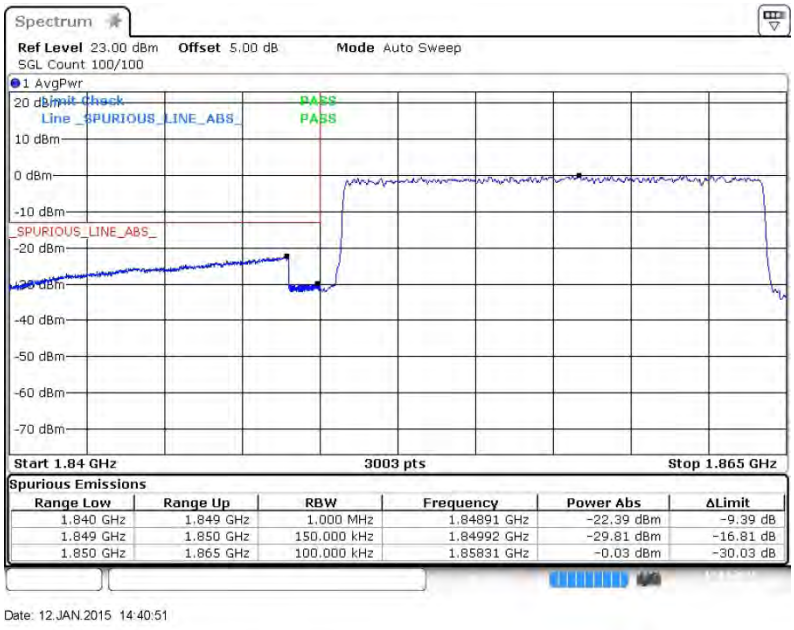
Band :	LTE Band 2	Band Width :	15MHz / QPSK

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



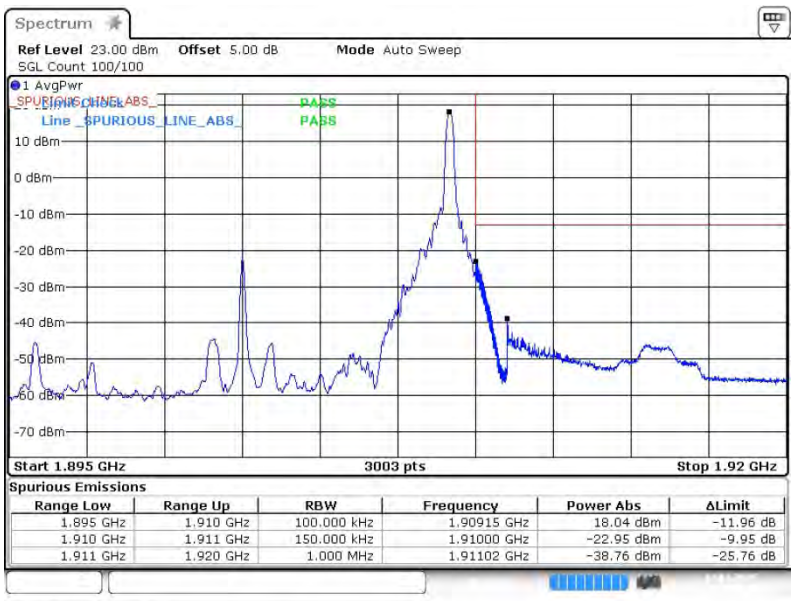
Date: 12.JAN.2015 14:38:47

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



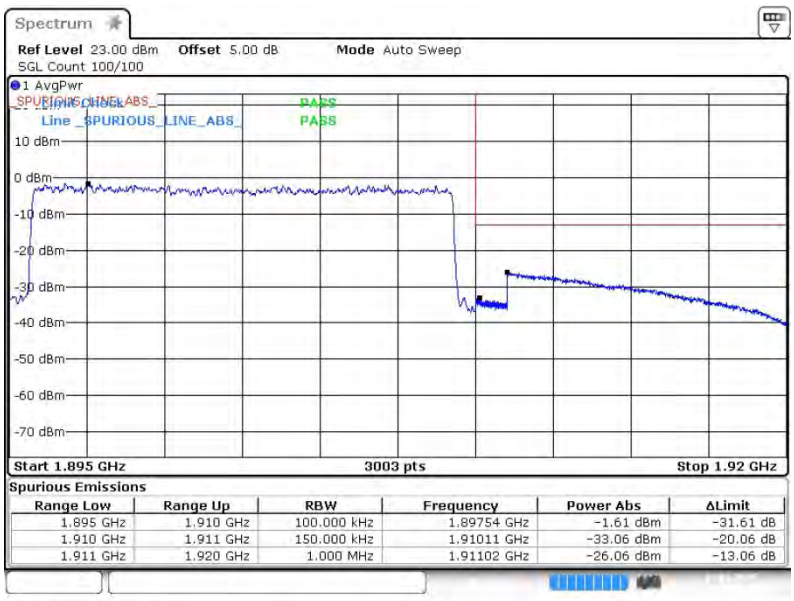
Date: 12.JAN.2015 14:40:51

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



Date: 12.JAN.2015 14:42:30

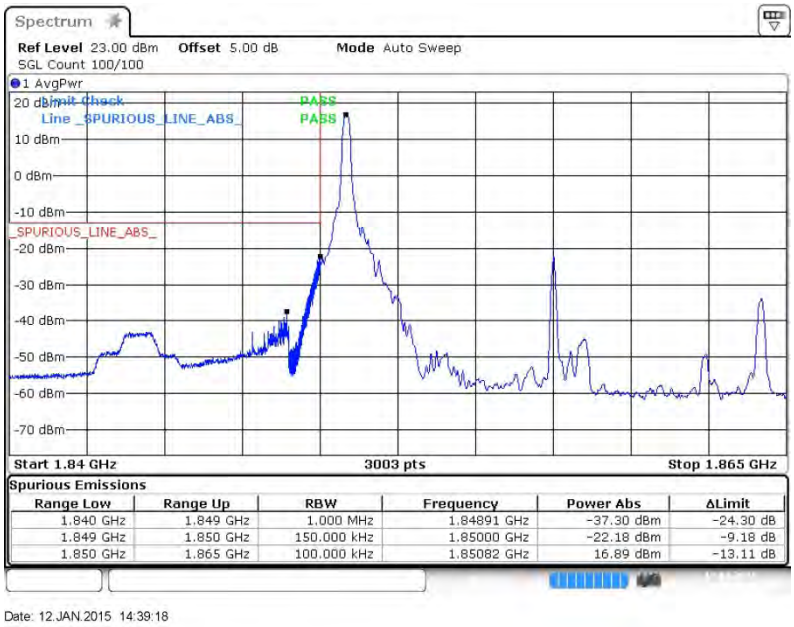
Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0



Date: 12.JAN.2015 14:41:10

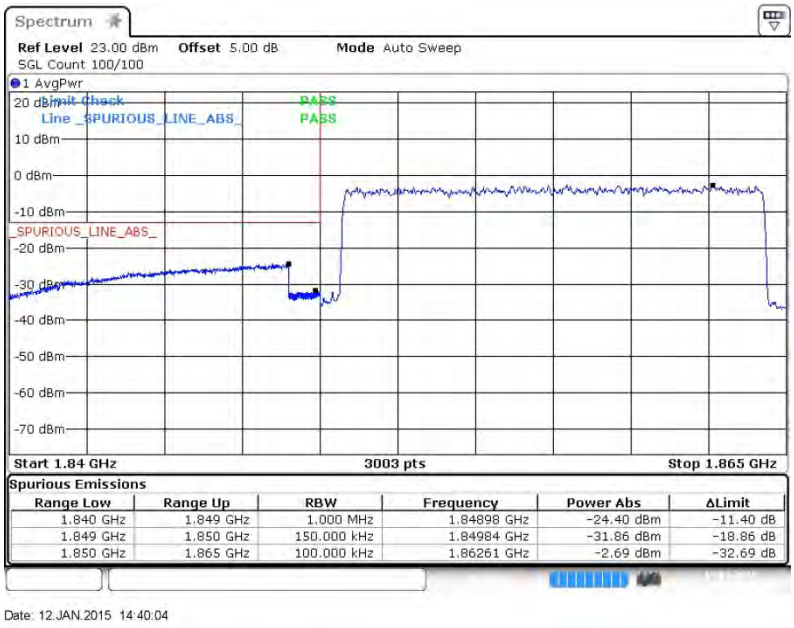
Band :	LTE Band 2	Band Width :	15MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



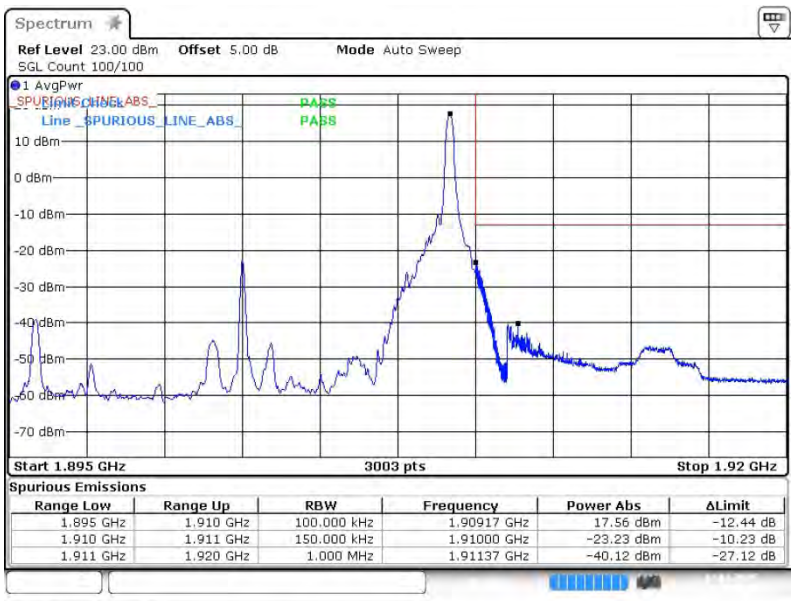
Date: 12.JAN.2015 14:39:18

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



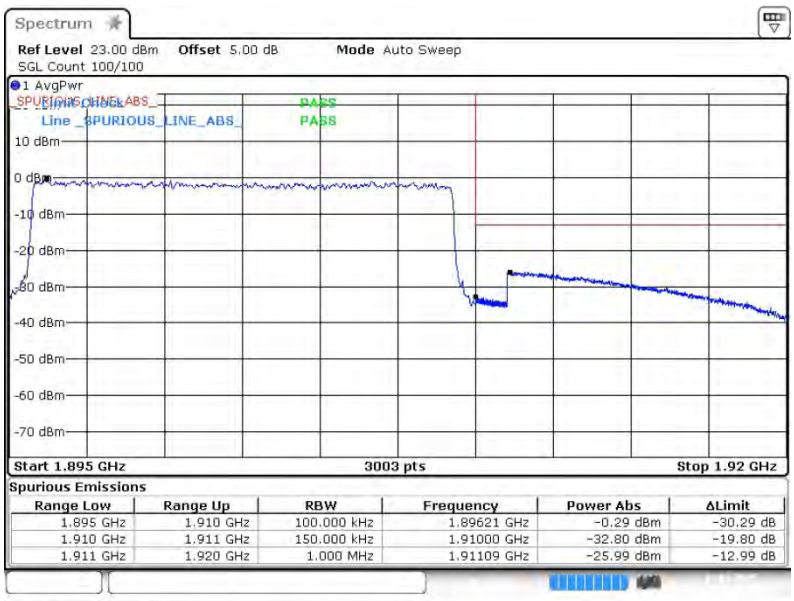
Date: 12.JAN.2015 14:40:04

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



Date: 12.JAN.2015 14:42:02

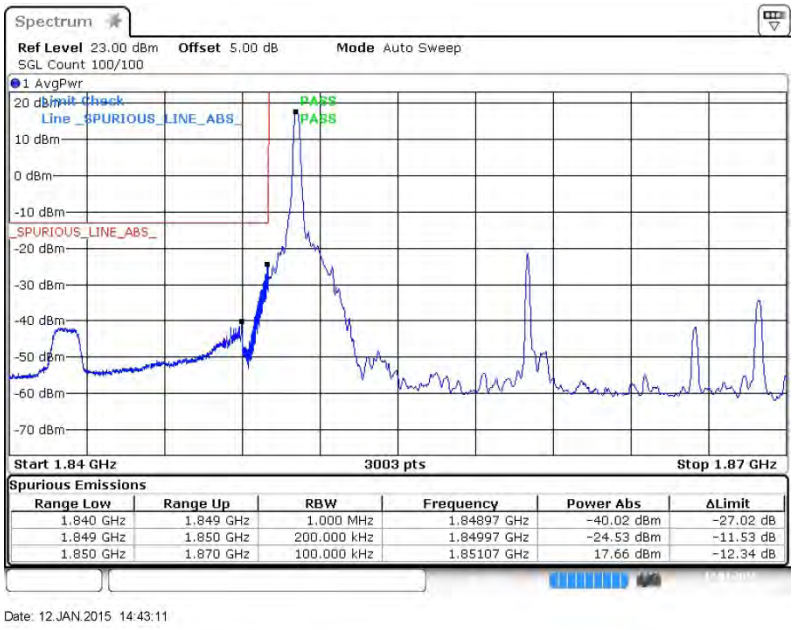
Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



Date: 12.JAN.2015 14:41:29

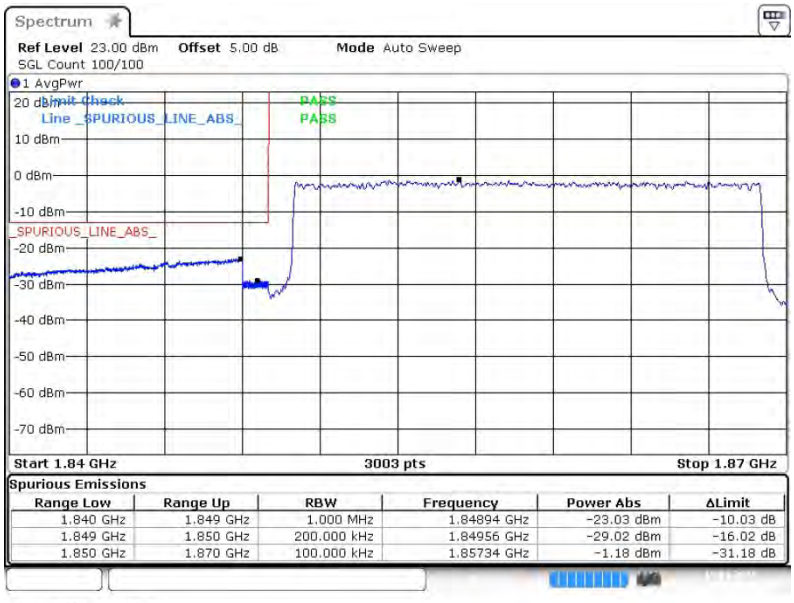
Band :	LTE Band 2	Band Width :	20MHz / QPSK

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



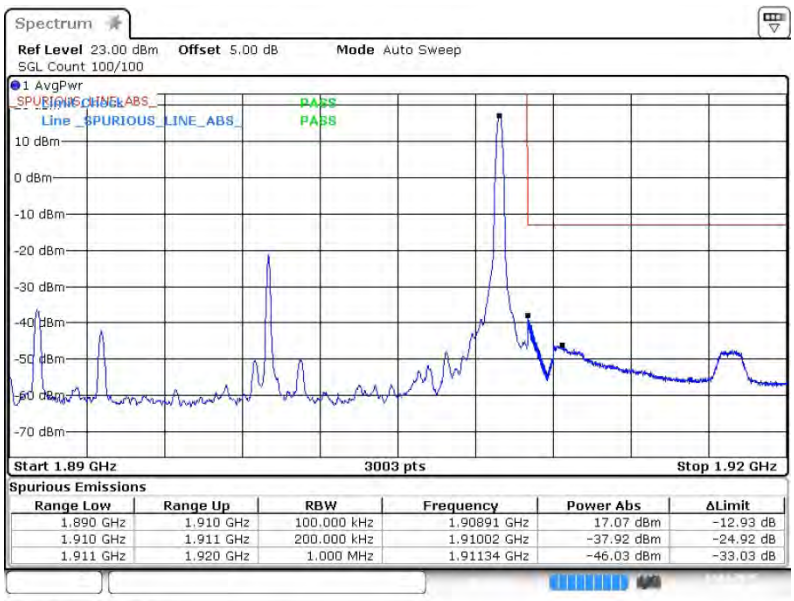
Date: 12.JAN.2015 14:43:11

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



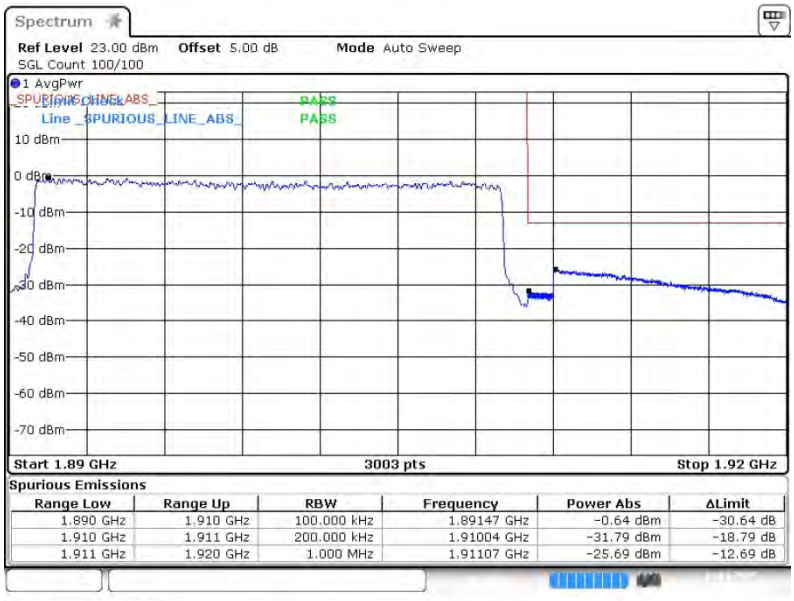
Date: 12.JAN.2015 14:53:22

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



Date: 12.JAN.2015 15:02:31

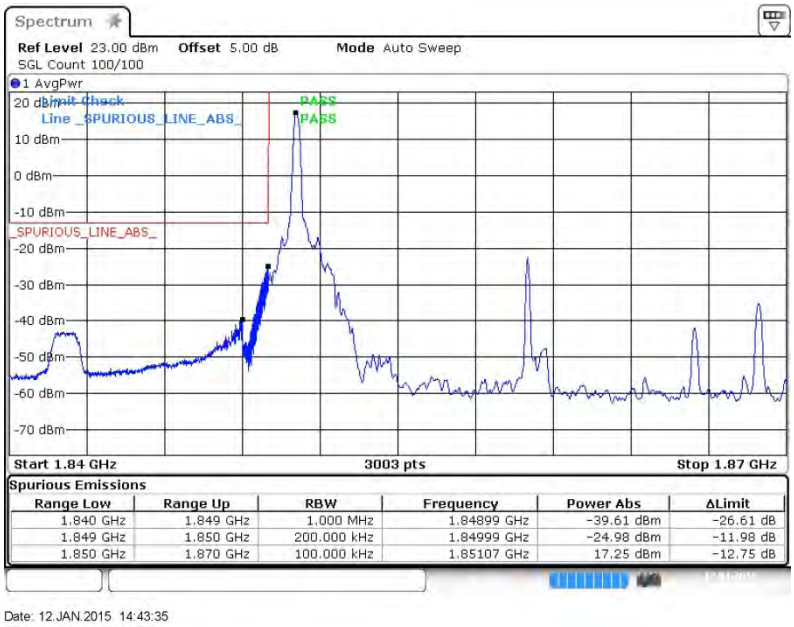
Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0



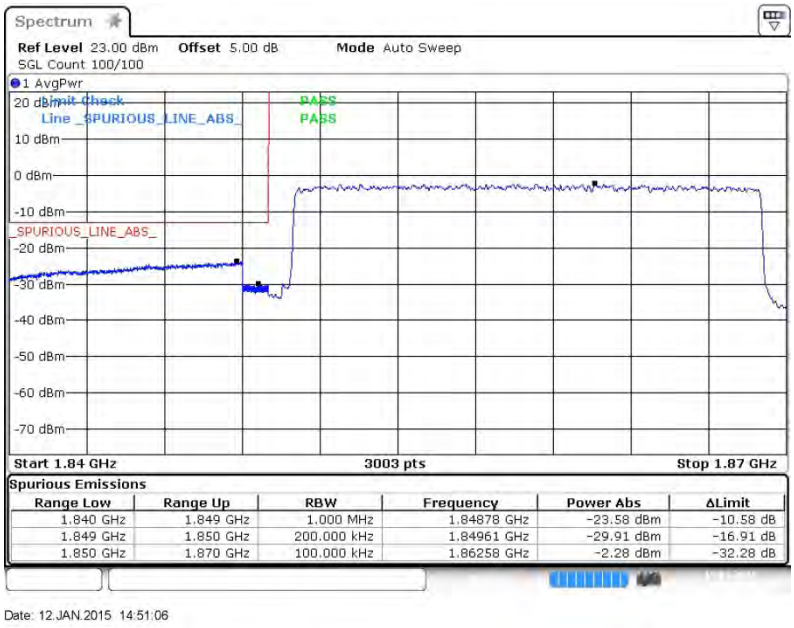
Date: 12.JAN.2015 14:53:59

Band :	LTE Band 2	Band Width :	20MHz / 16QAM

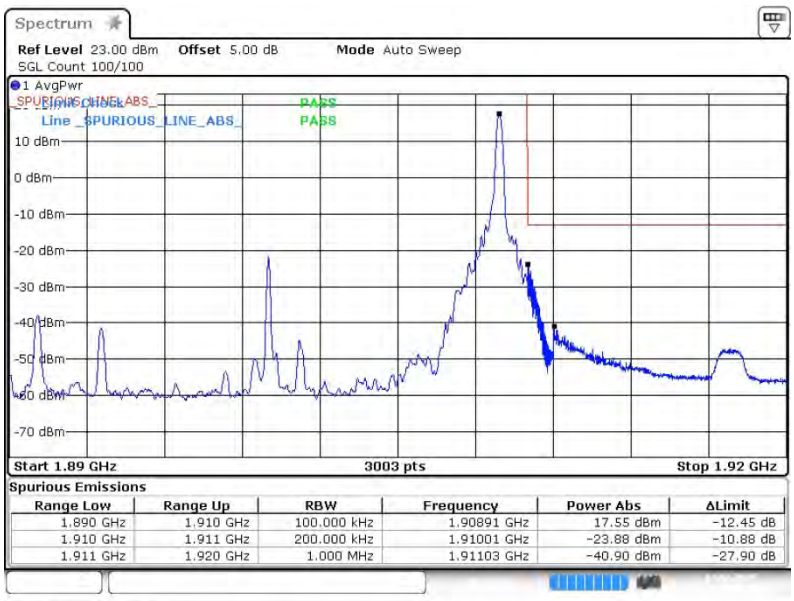
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



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

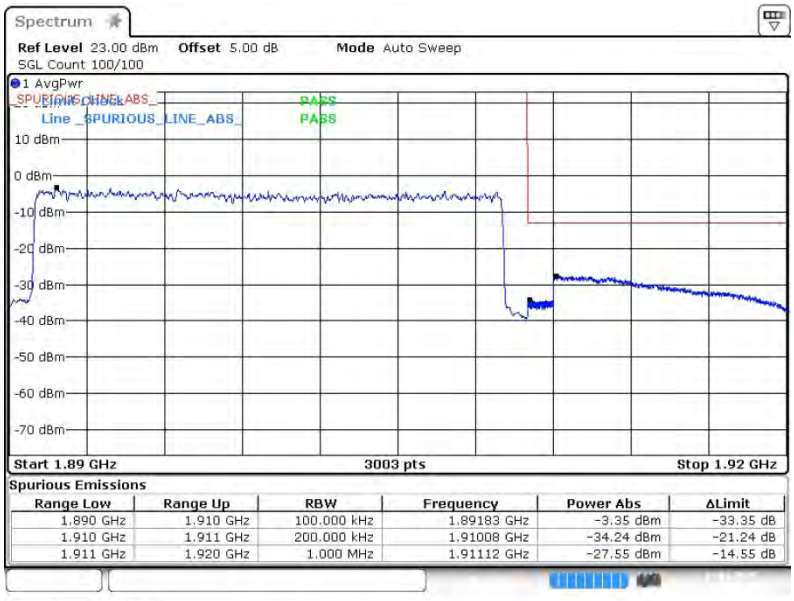


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Date: 12.JAN.2015 15:00:42

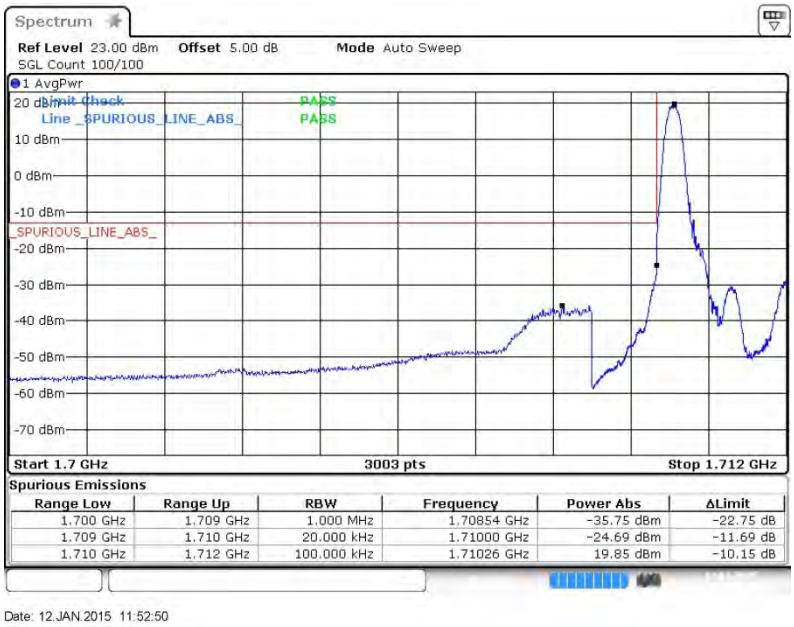
Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Date: 12.JAN.2015 14:59:18

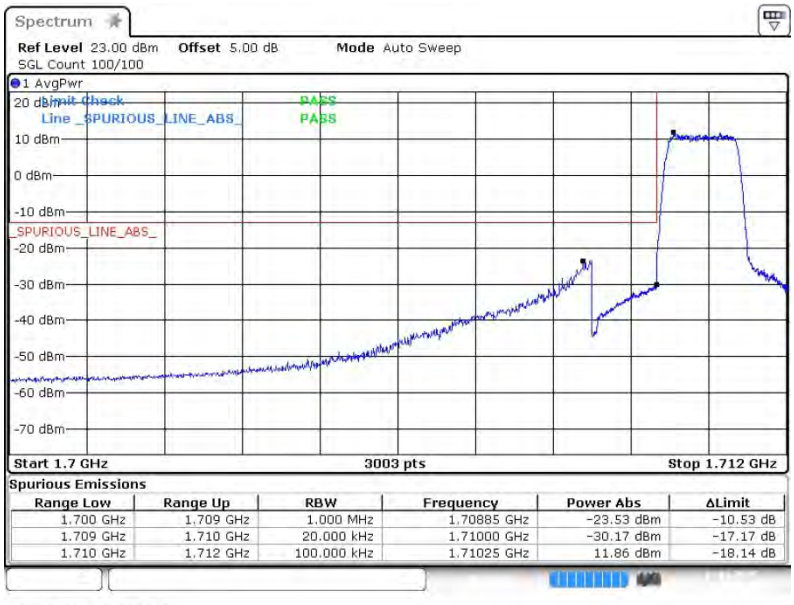
Band :	LTE Band 4	Band Width :	1.4MHz / QPSK

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



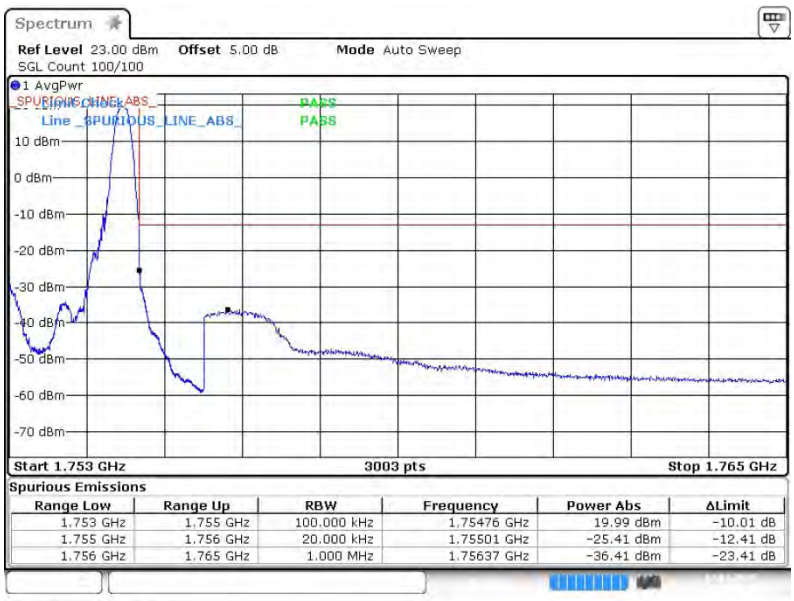
Date: 12.JAN.2015 11:52:50

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



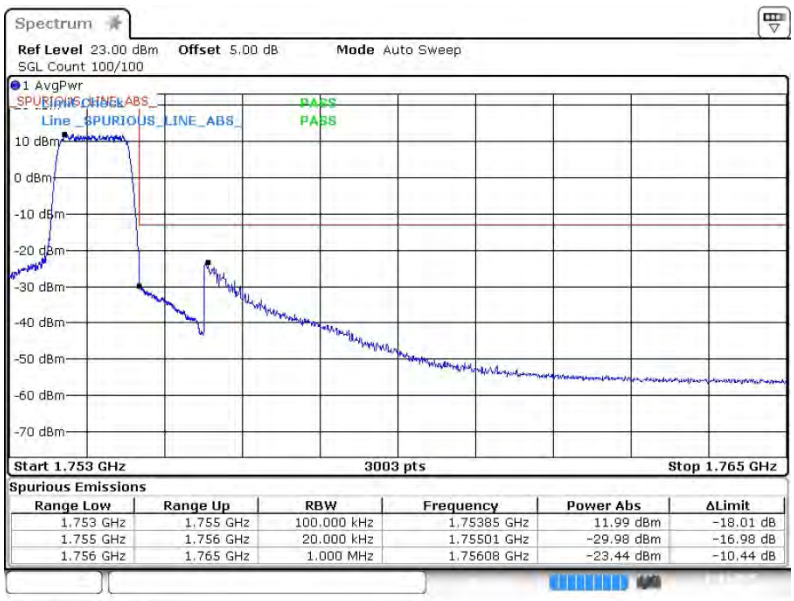
Date: 12.JAN.2015 11:57:18

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



Date: 12.JAN.2015 12:03:40

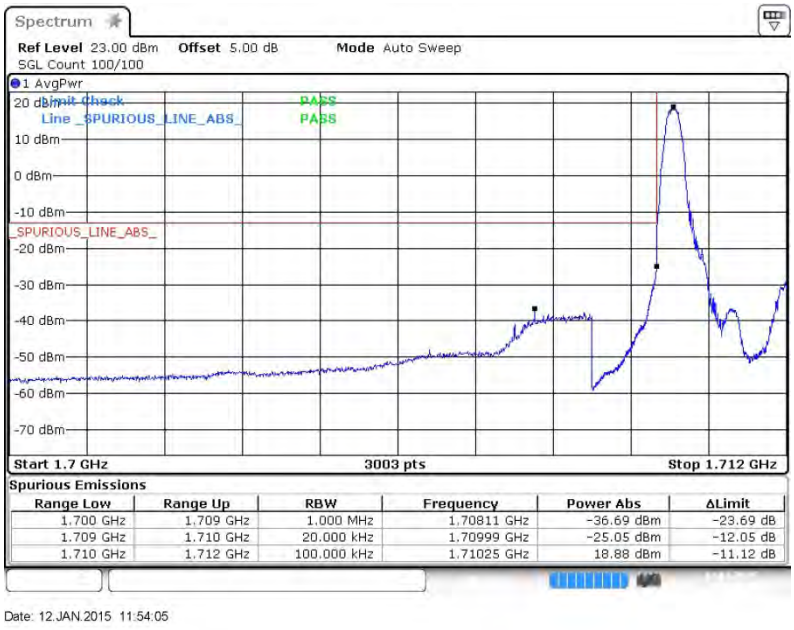
Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0



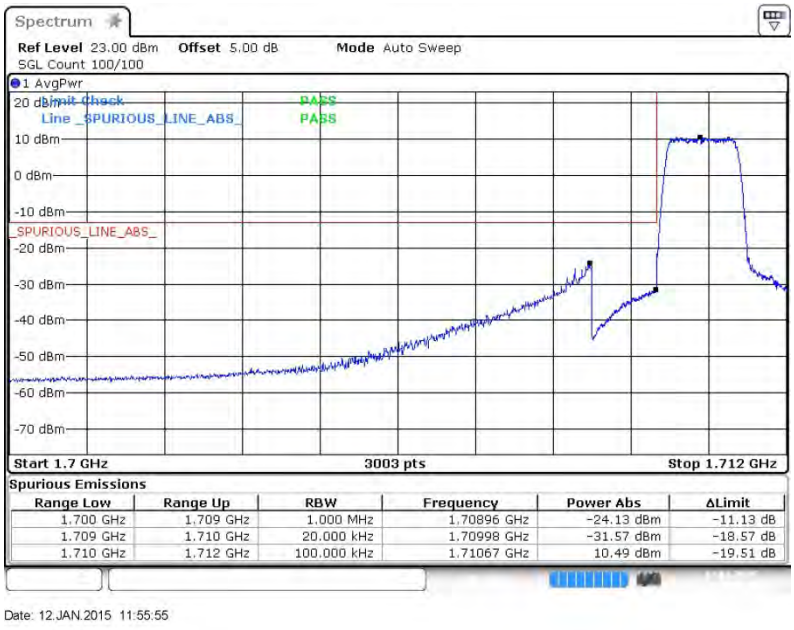
Date: 12.JAN.2015 11:58:41

Band :	LTE Band 4	Band Width :	1.4MHz / 16QAM

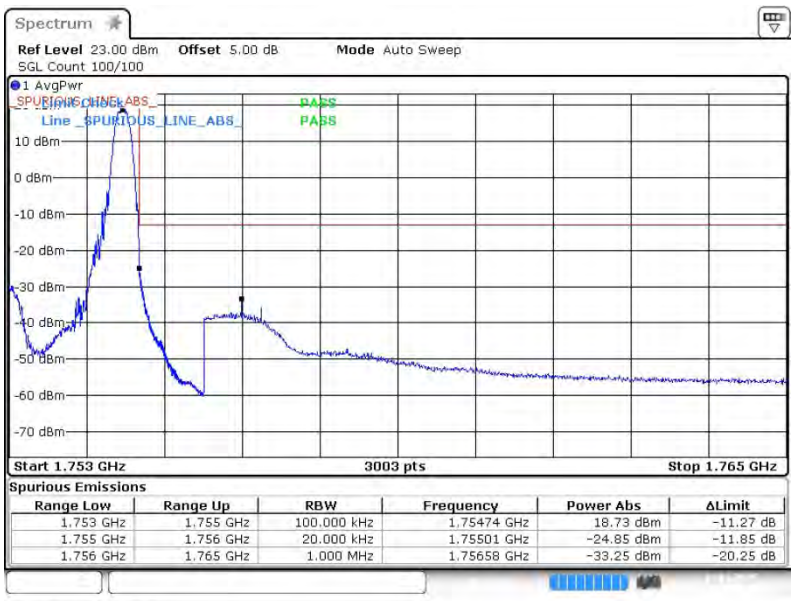
Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



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

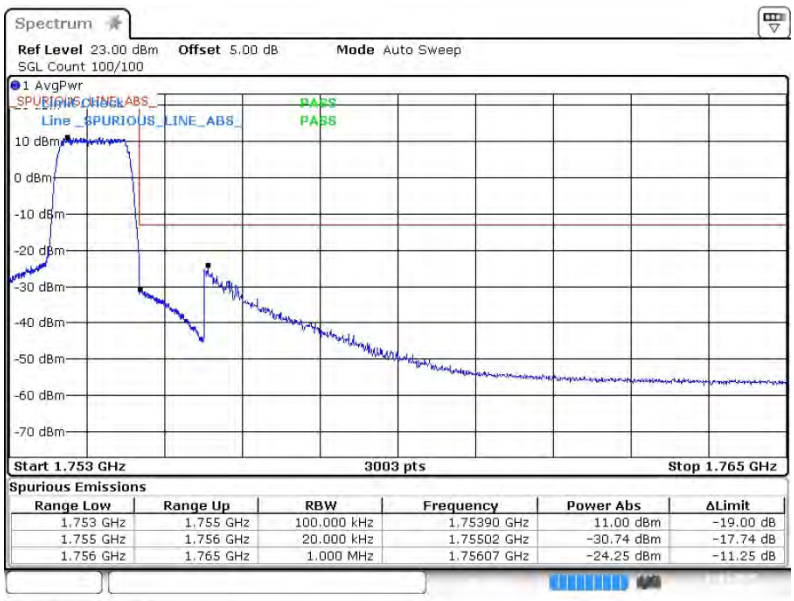


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 5



Date: 12.JAN.2015 12:02:18

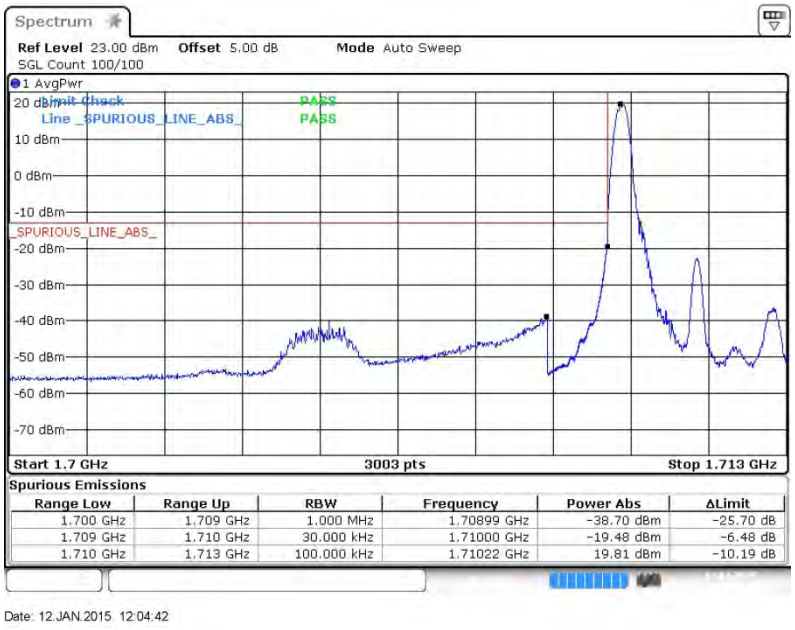
Higher Band Edge Plot for 16QAM-RB Size 6, RB Offset 0



Date: 12.JAN.2015 12:00:34

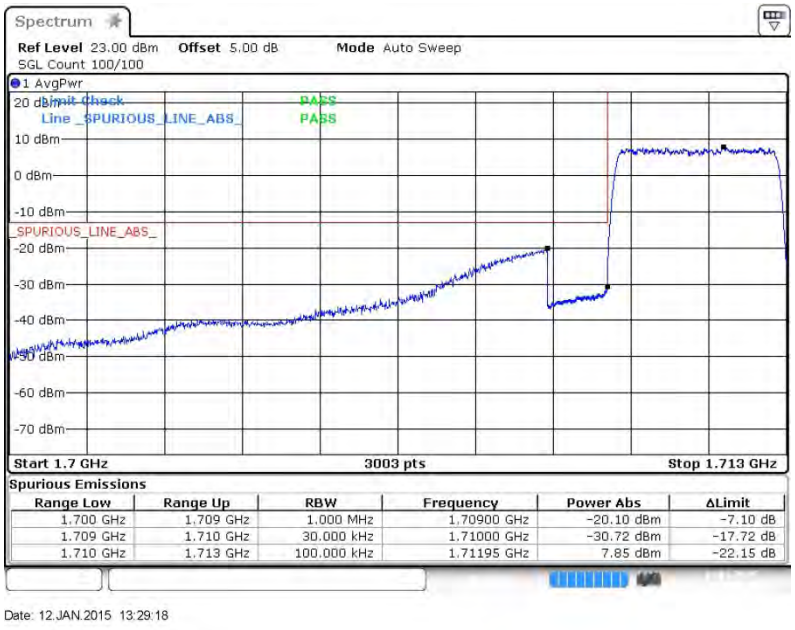
Band :	LTE Band 4	Band Width :	3MHz / QPSK

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



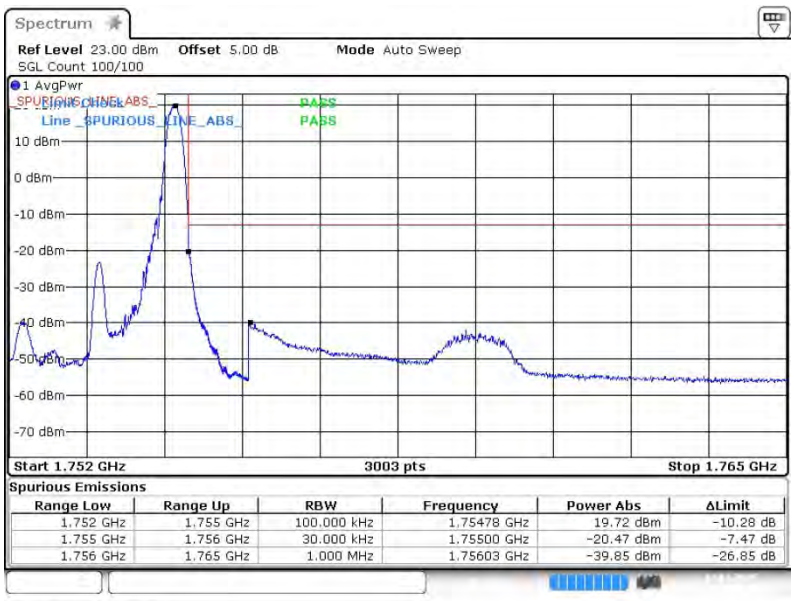
Date: 12.JAN.2015 12:04:42

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



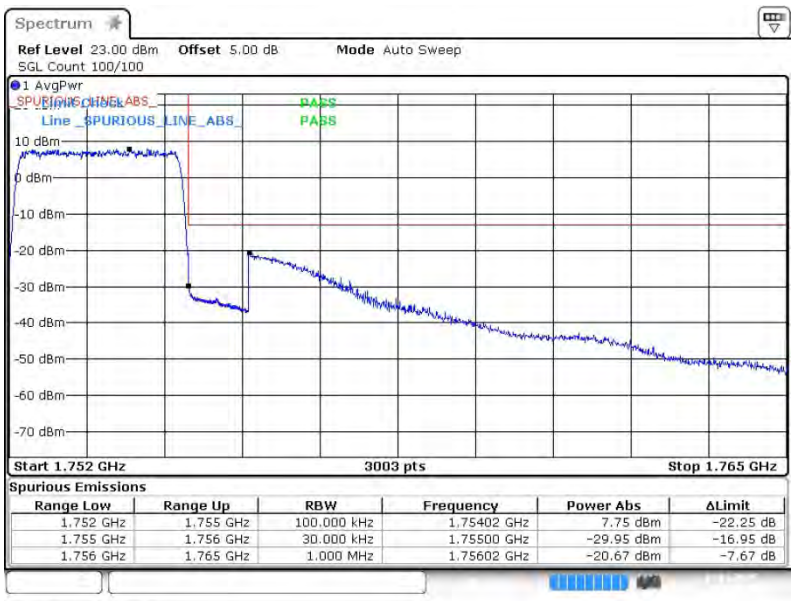
Date: 12.JAN.2015 13:29:18

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



Date: 12.JAN.2015 13:33:15

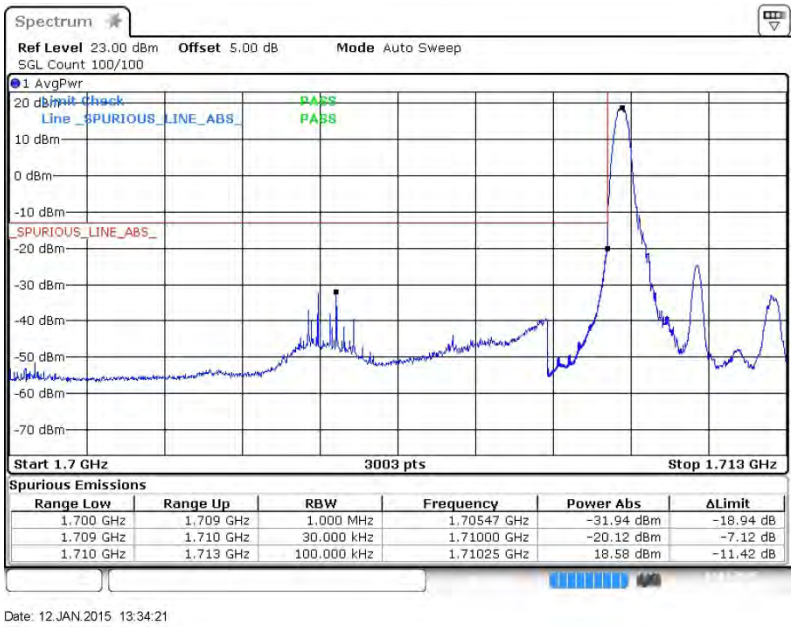
Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 12.JAN.2015 13:30:18

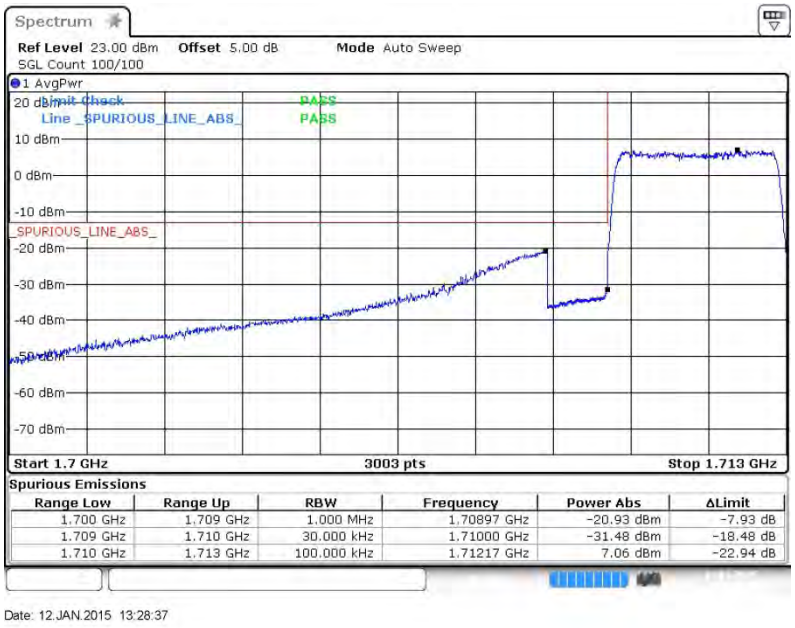
Band :	LTE Band 4	Band Width :	3MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



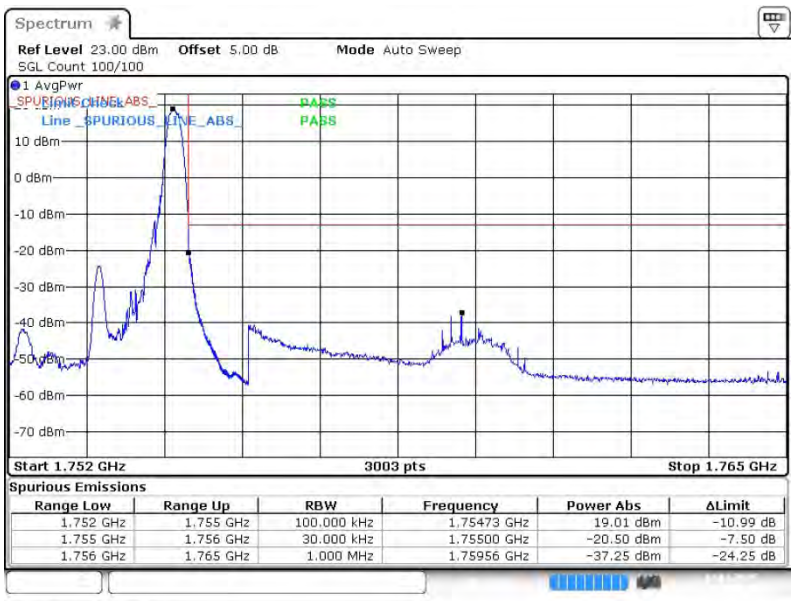
Date: 12.JAN.2015 13:34:21

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



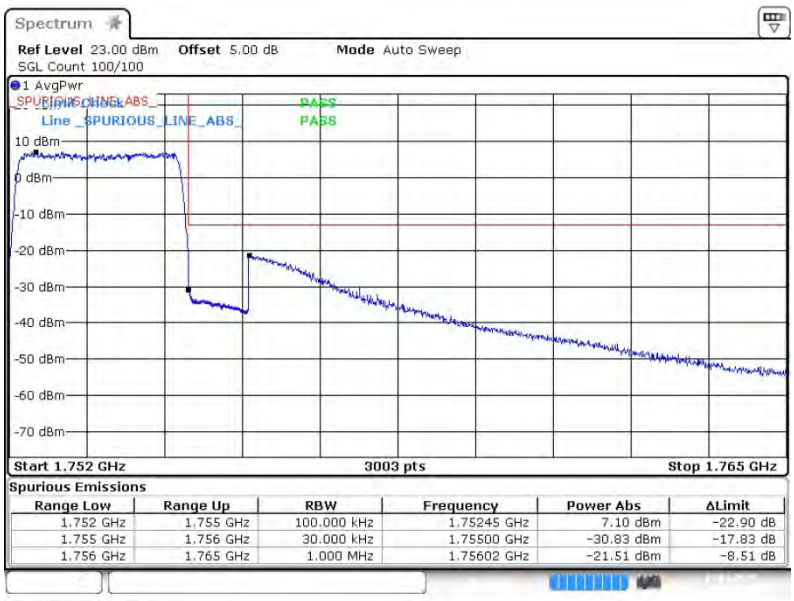
Date: 12.JAN.2015 13:28:37

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



Date: 12.JAN.2015 13:31:59

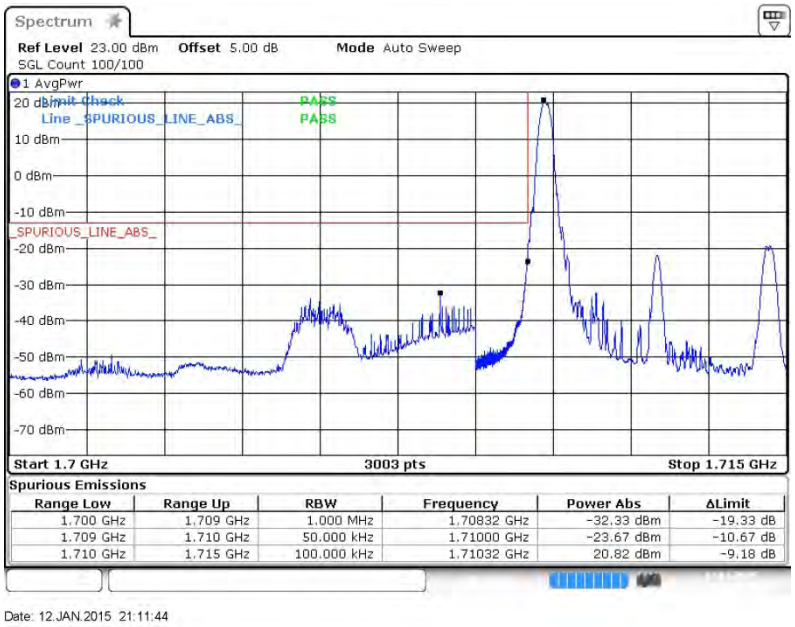
Higher Band Edge Plot for 16QAM-RB Size 15, RB Offset 0



Date: 12.JAN.2015 13:31:05

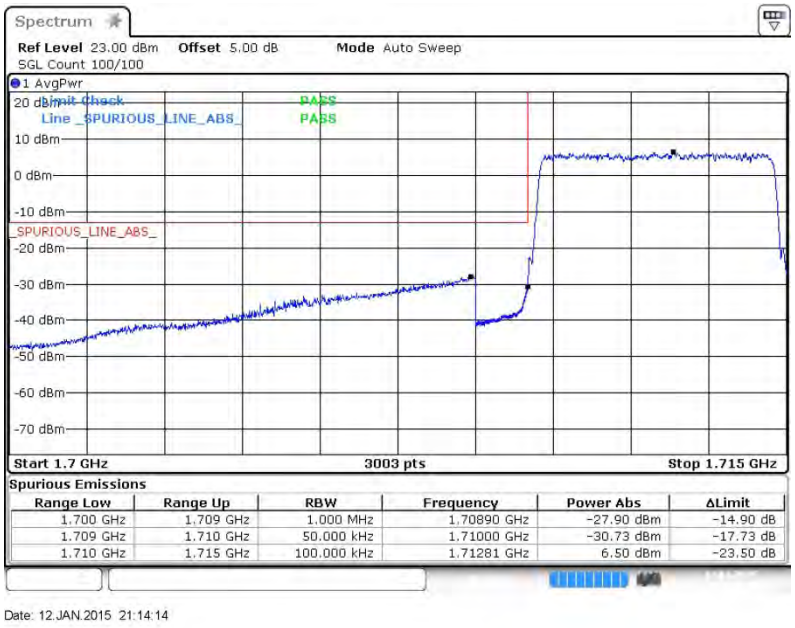
Band :	LTE Band 4	Band Width :	5MHz / QPSK

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



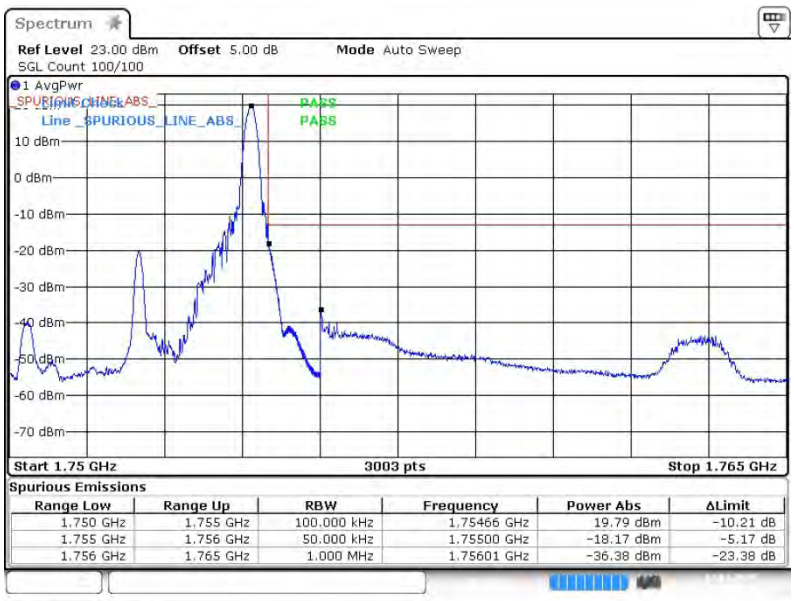
Date: 12.JAN.2015 21:11:44

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



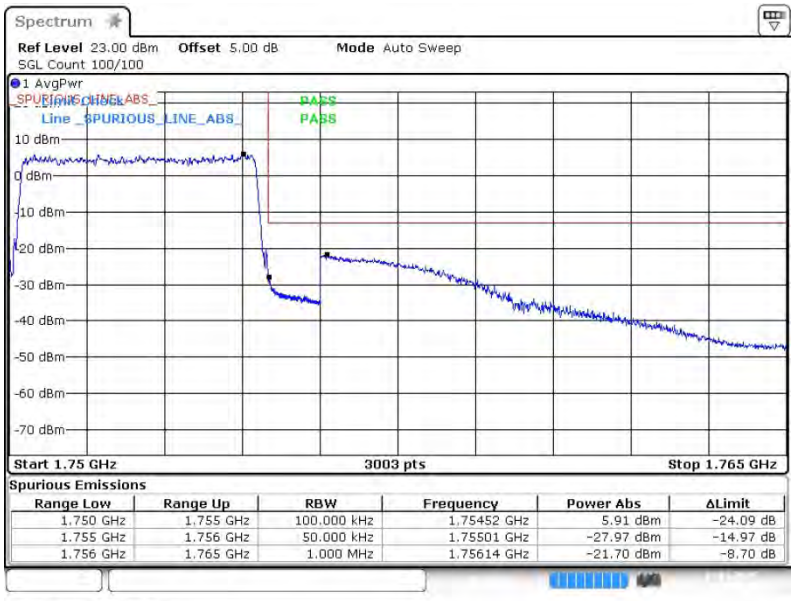
Date: 12.JAN.2015 21:14:14

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



Date: 12.JAN.2015 13:41:11

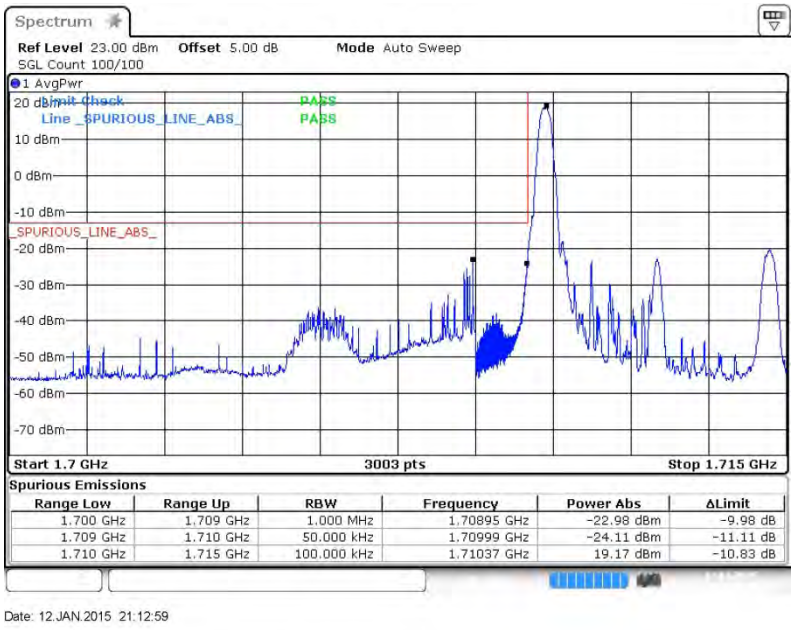
Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



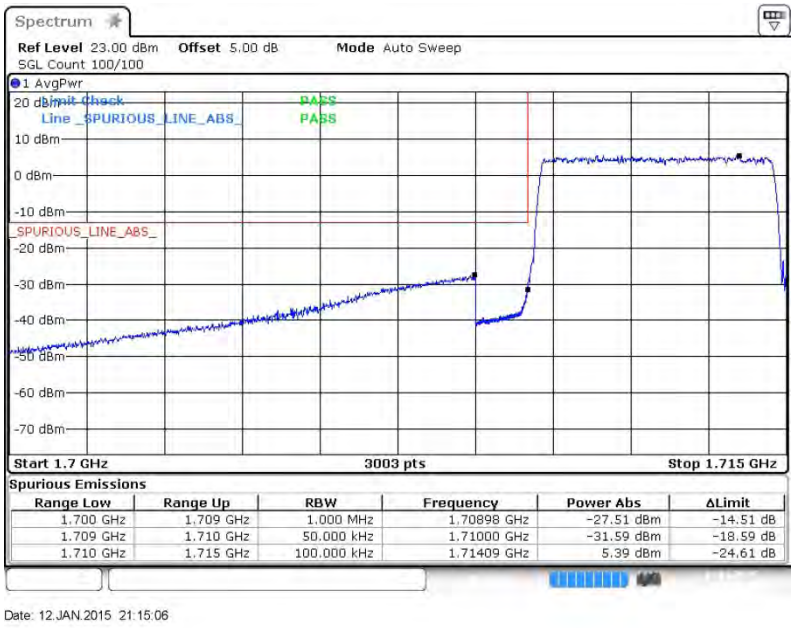
Date: 12.JAN.2015 13:39:27

Band :	LTE Band 4	Band Width :	5MHz / 16QAM

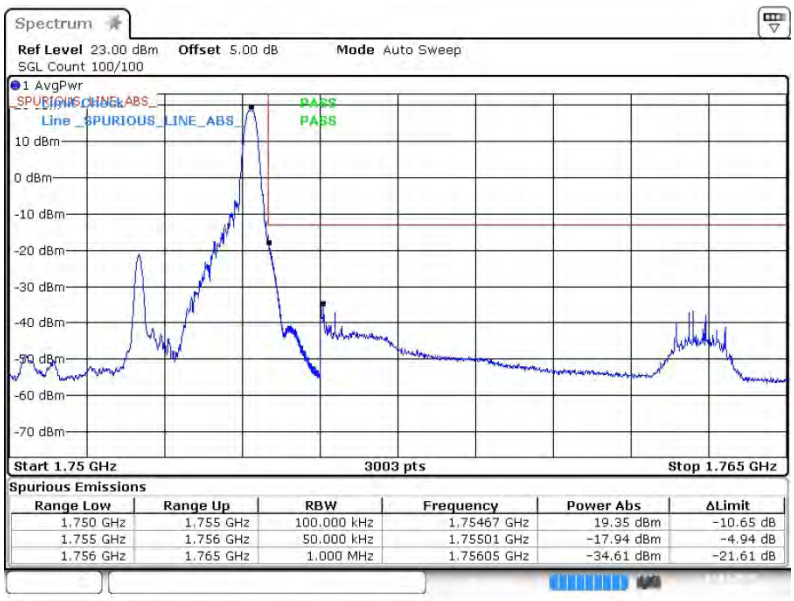
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



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

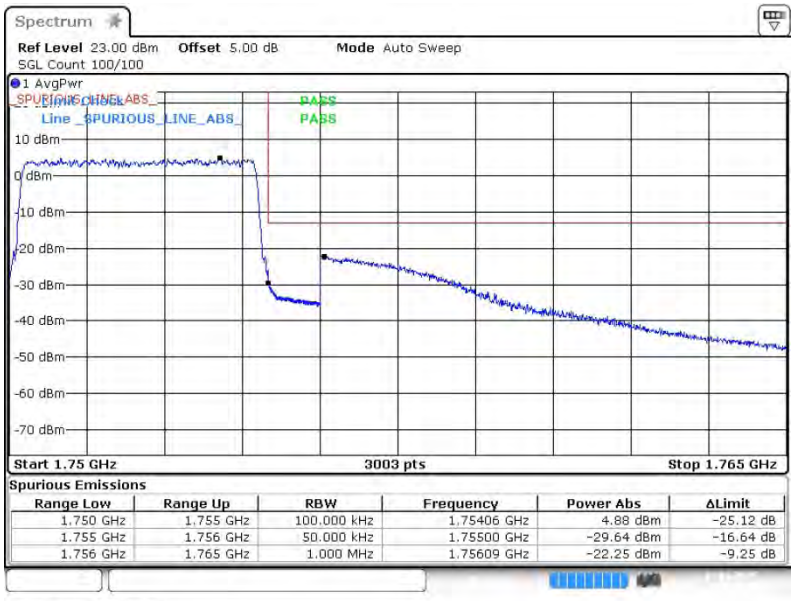


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Date: 12.JAN.2015 13:40:44

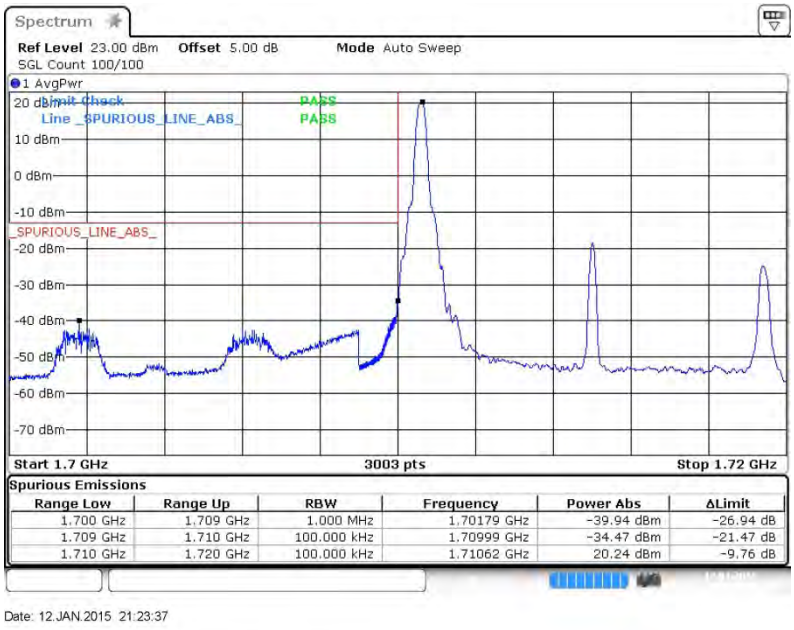
Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



Date: 12.JAN.2015 13:39:57

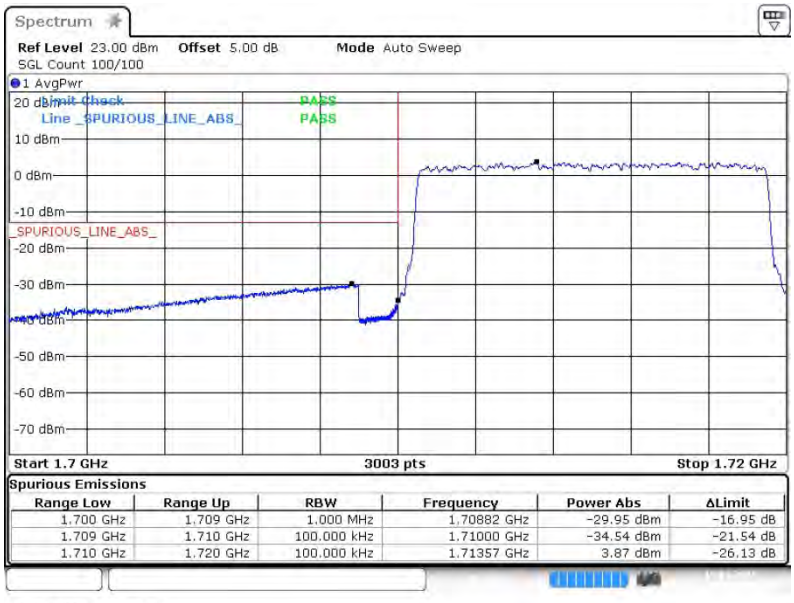
Band :	LTE Band 4	Band Width :	10MHz / QPSK

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



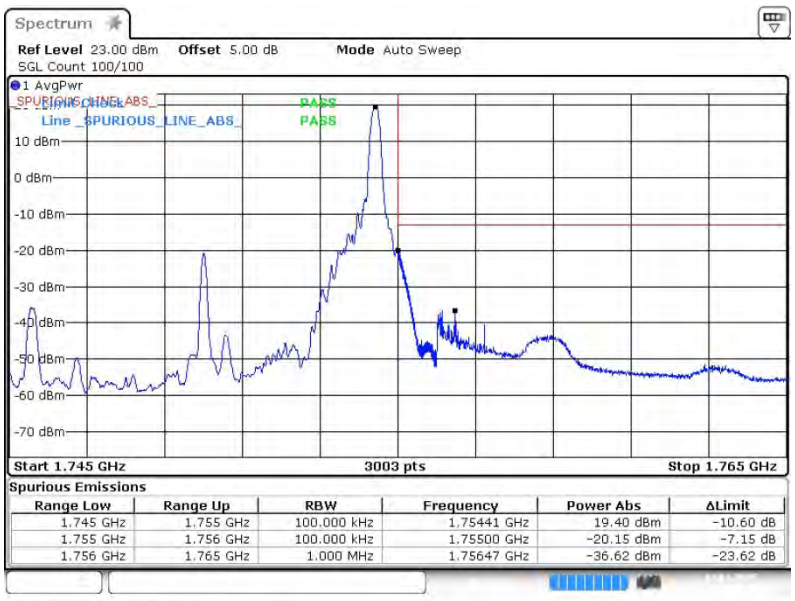
Date: 12.JAN.2015 21:23:37

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



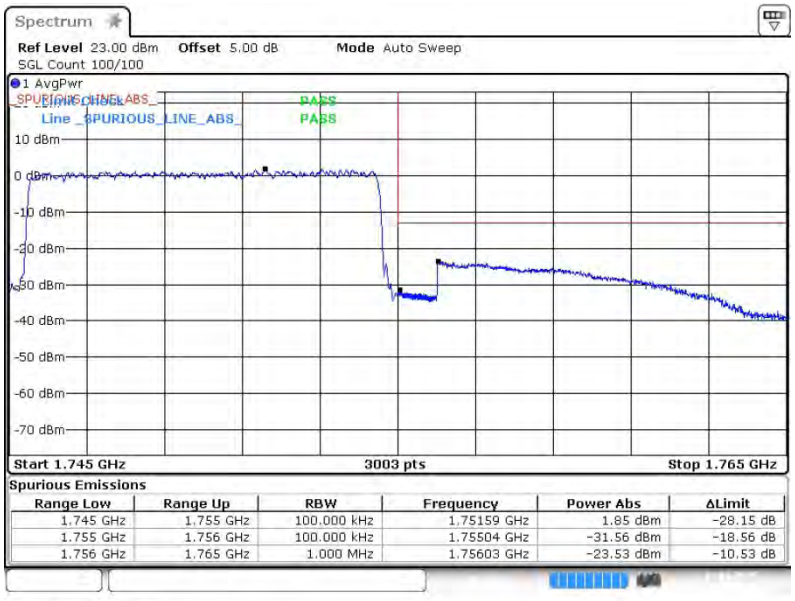
Date: 12.JAN.2015 21:25:20

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



Date: 12.JAN.2015 13:45:38

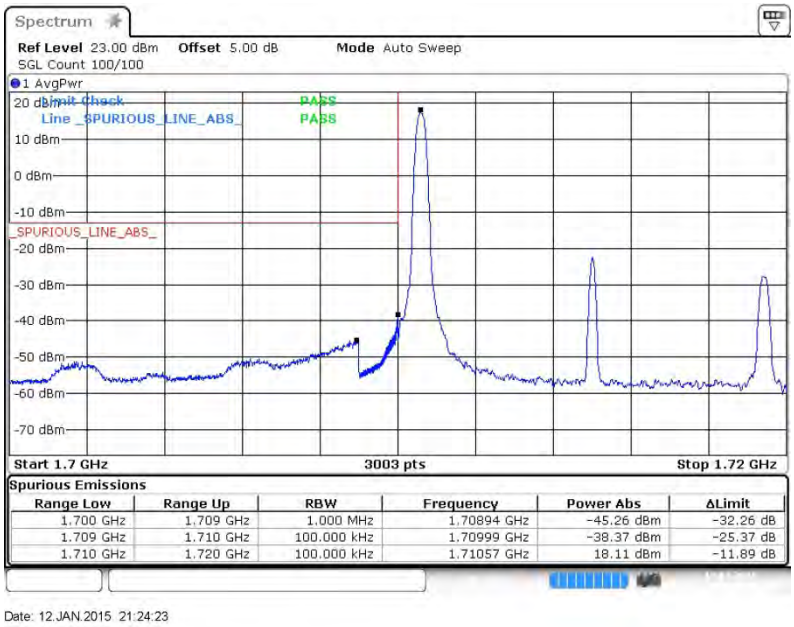
Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0



Date: 12.JAN.2015 13:44:23

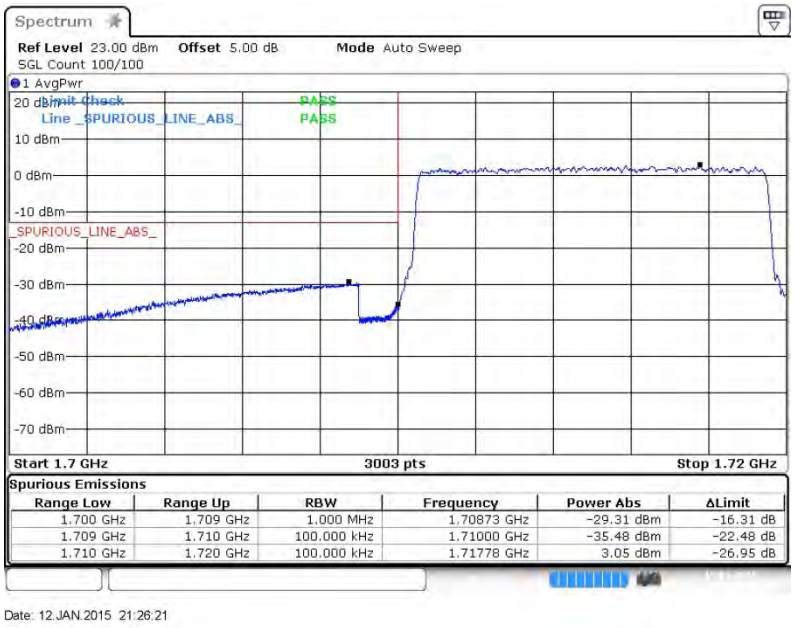
Band :	LTE Band 4	Band Width :	10MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



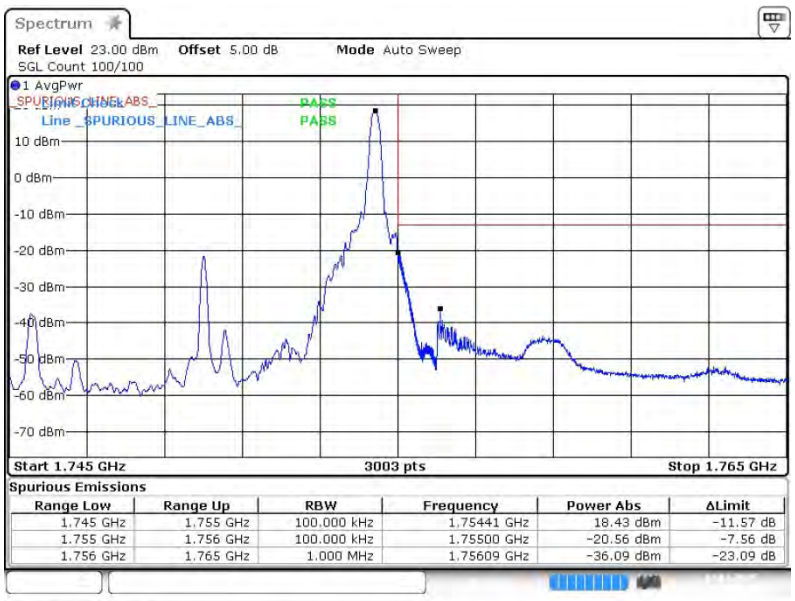
Date: 12.JAN.2015 21:24:23

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



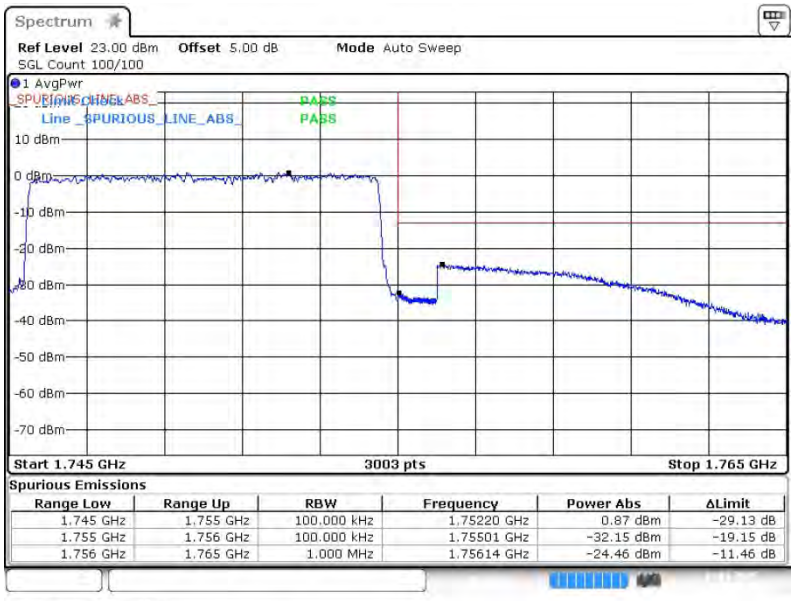
Date: 12.JAN.2015 21:26:21

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



Date: 12.JAN.2015 13:45:13

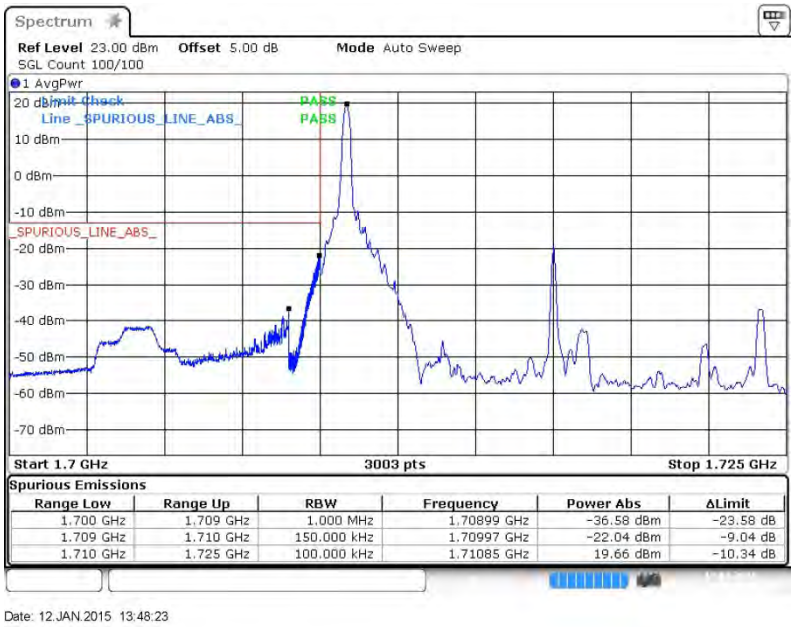
Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



Date: 12.JAN.2015 13:44:45

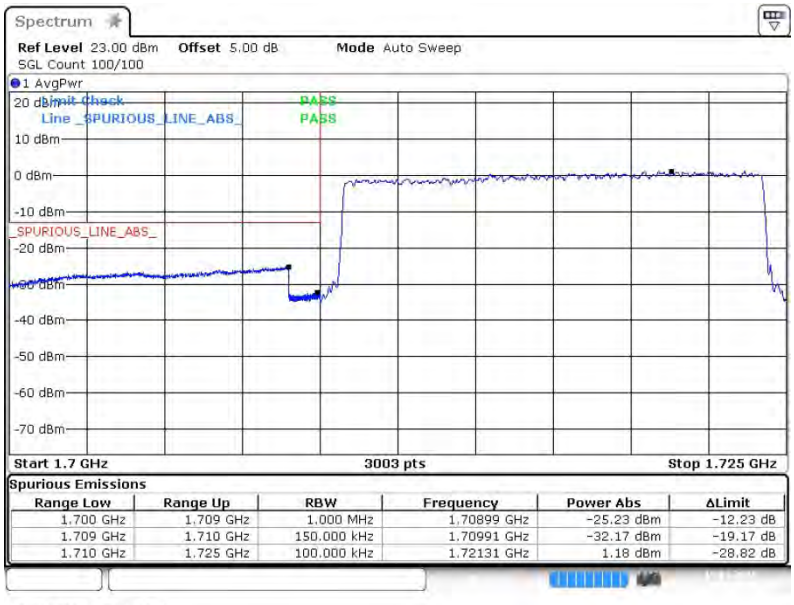
Band :	LTE Band 4	Band Width :	15MHz / QPSK

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



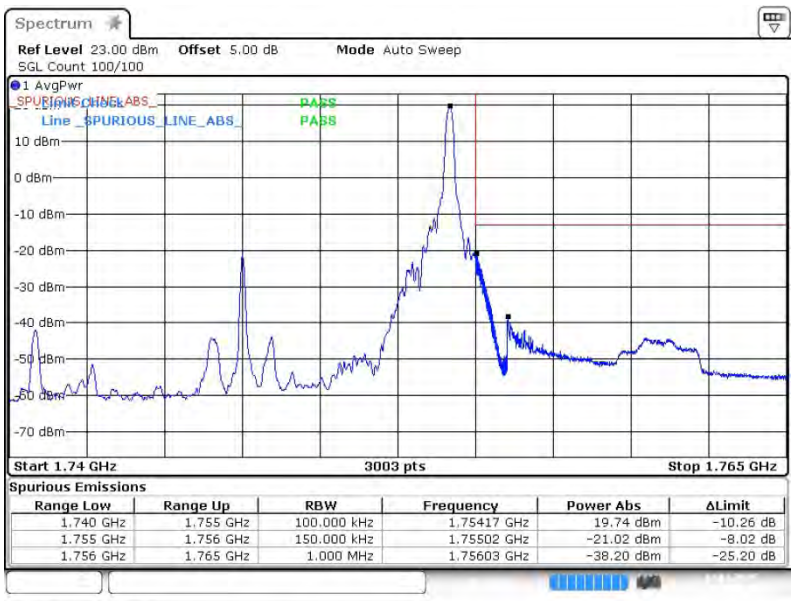
Date: 12.JAN.2015 13:48:23

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



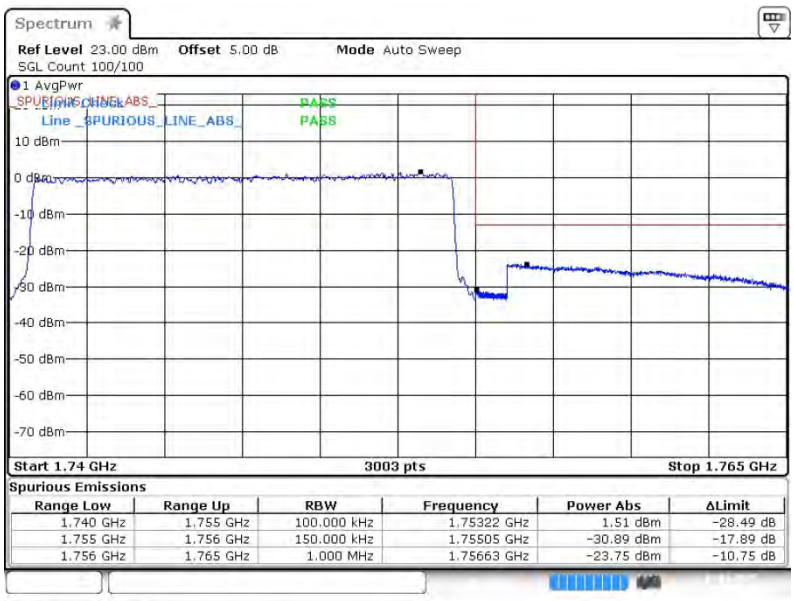
Date: 12.JAN.2015 13:49:33

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



Date: 12.JAN.2015 13:52:16

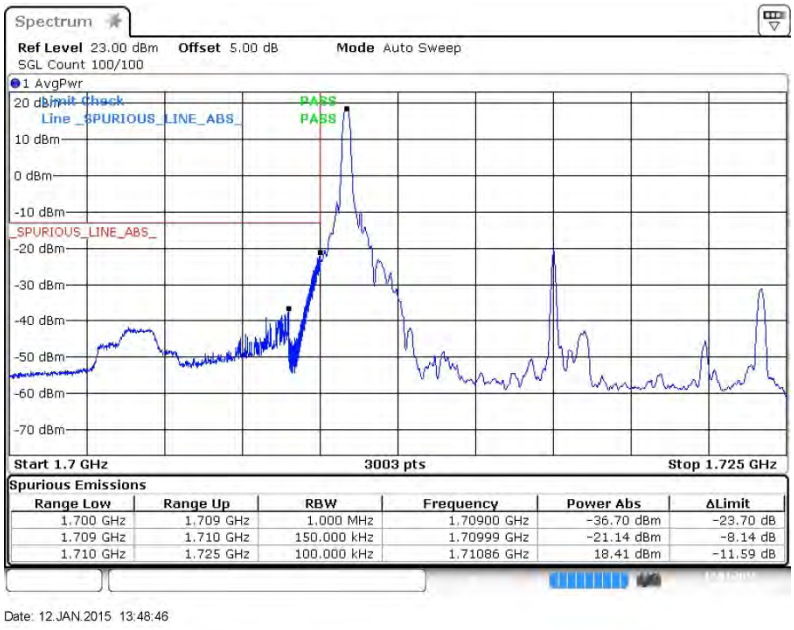
Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0



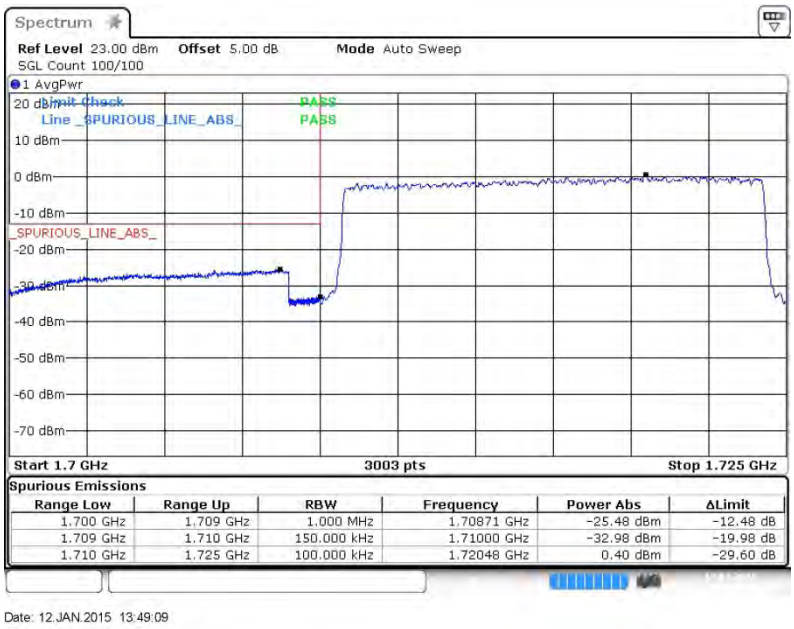
Date: 12.JAN.2015 13:50:19

Band :	LTE Band 4	Band Width :	15MHz / 16QAM

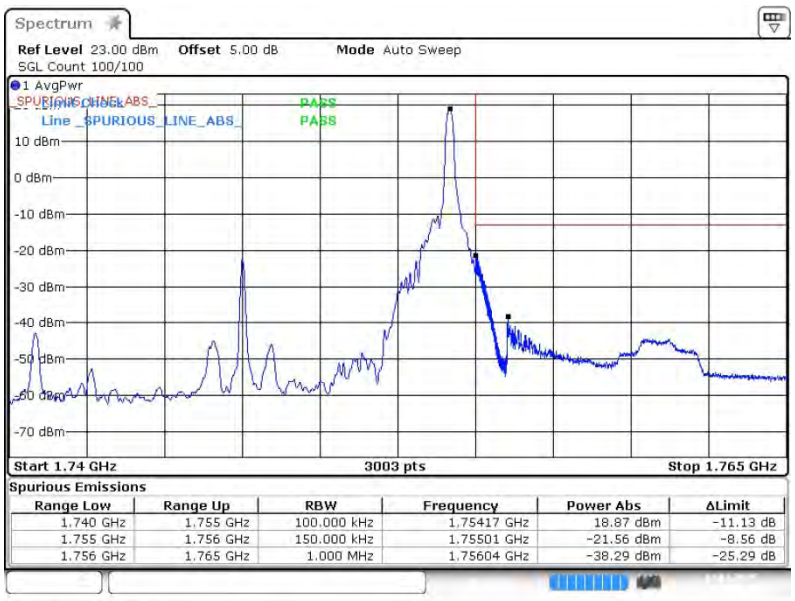
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



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

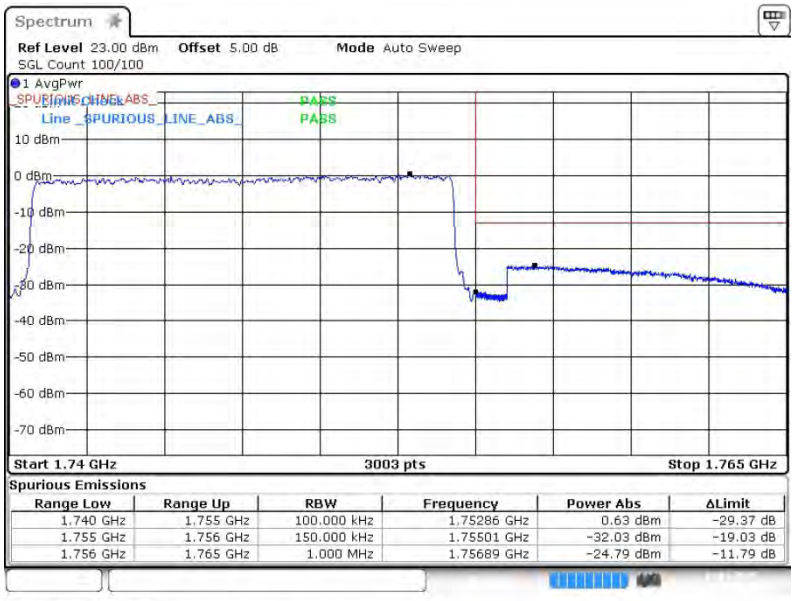


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74



Date: 12.JAN.2015 13:51:08

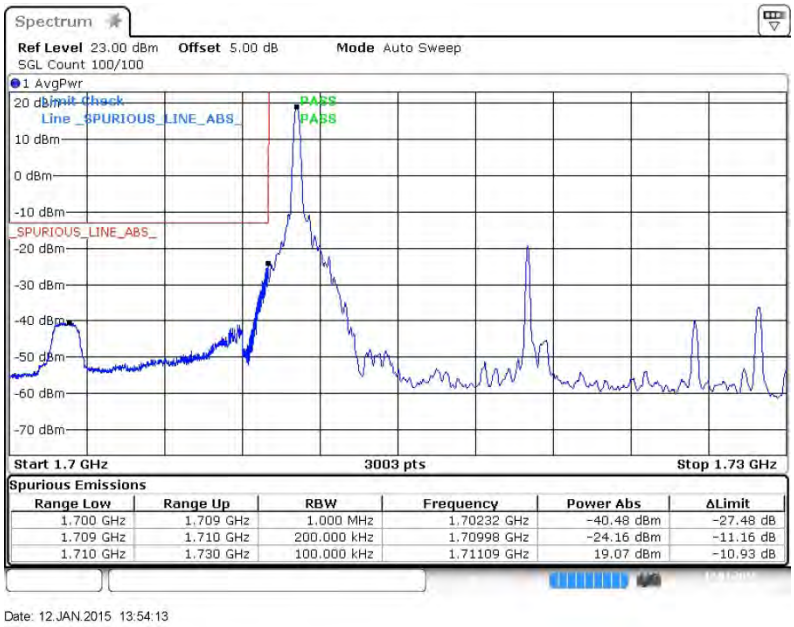
Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



Date: 12.JAN.2015 13:50:43

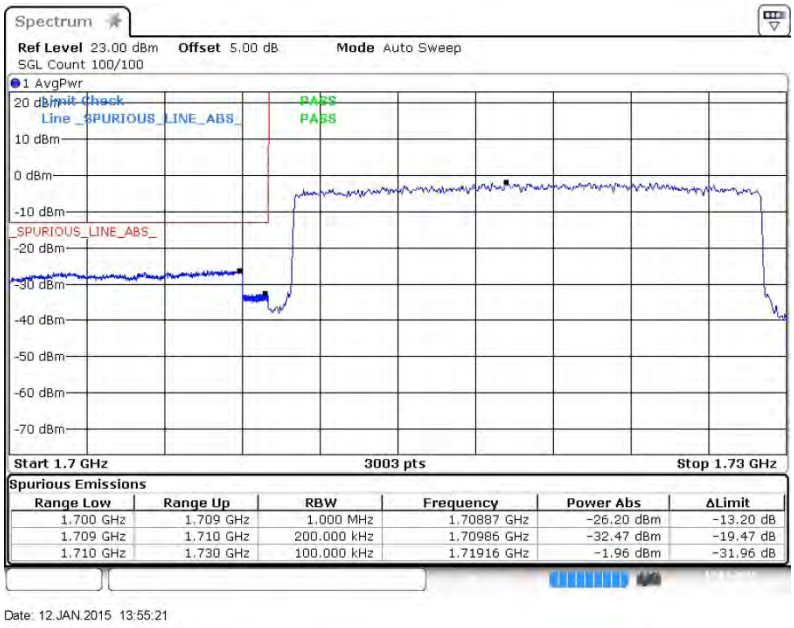
Band :	LTE Band 4	Band Width :	20MHz / QPSK

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



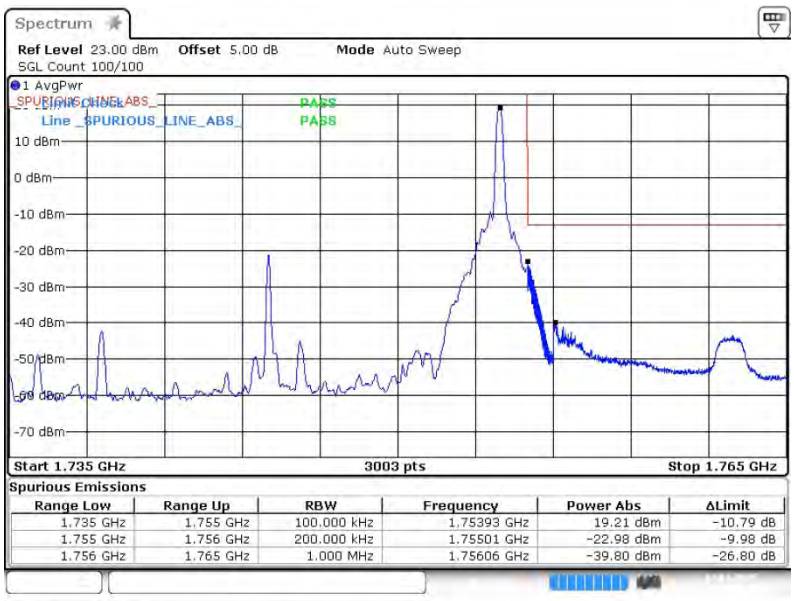
Date: 12.JAN.2015 13:54:13

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



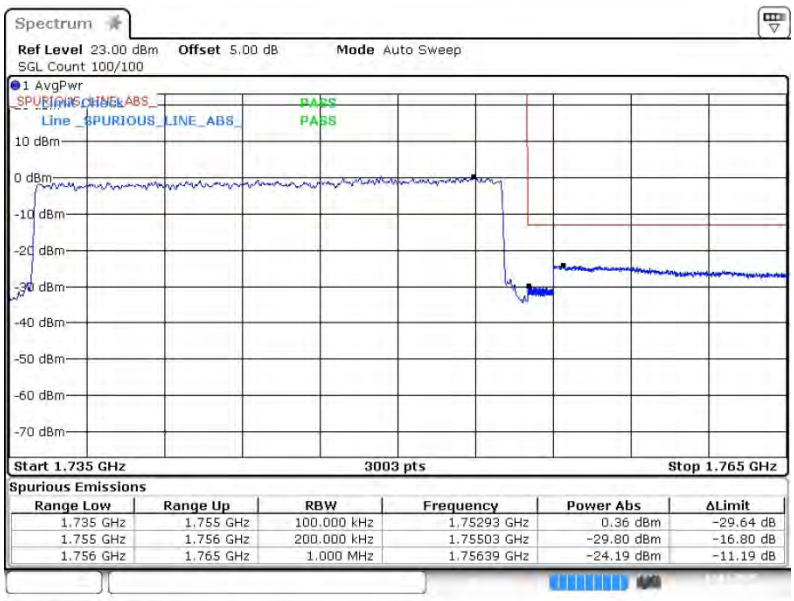
Date: 12.JAN.2015 13:55:21

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



Date: 12.JAN.2015 13:57:11

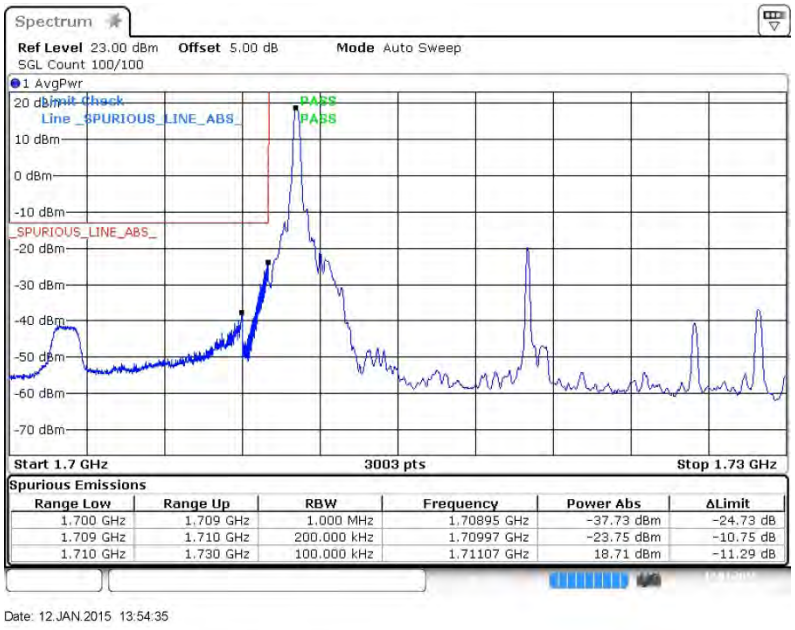
Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0



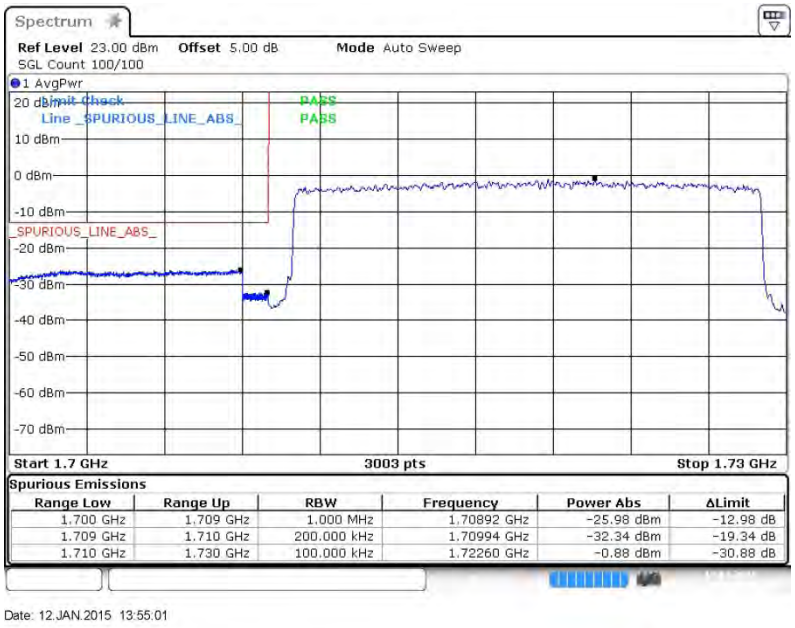
Date: 12.JAN.2015 13:55:56

Band :	LTE Band 4	Band Width :	20MHz / 16QAM

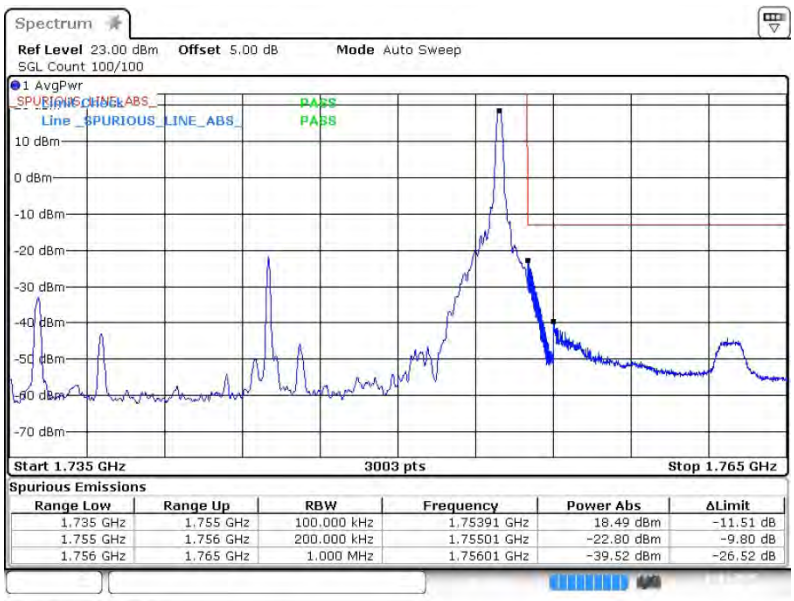
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



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

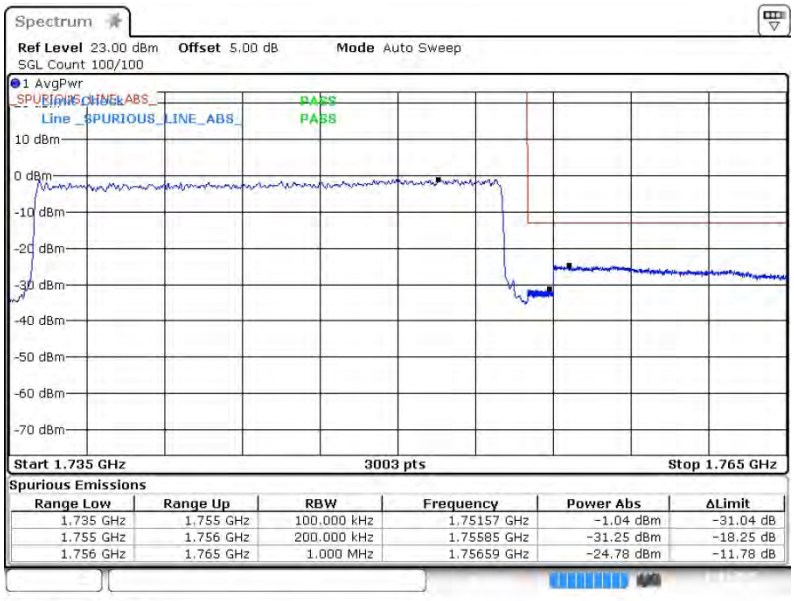


Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Date: 12.JAN.2015 13:56:51

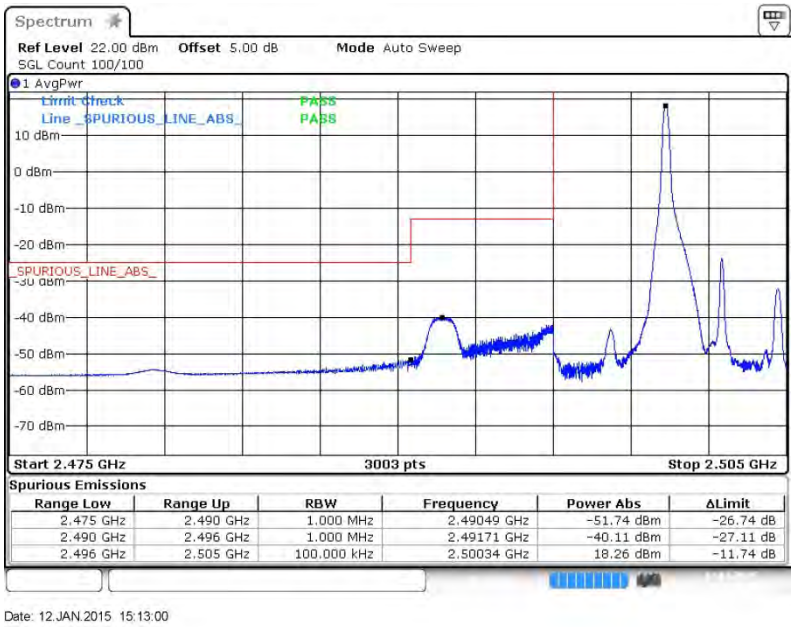
Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



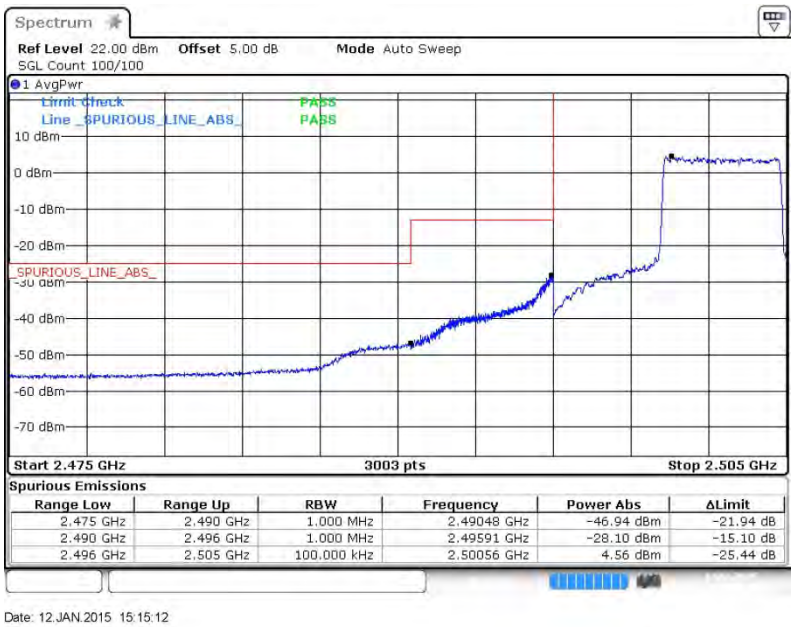
Date: 12.JAN.2015 13:56:18

Band :	LTE Band 7	Band Width :	5MHz / QPSK

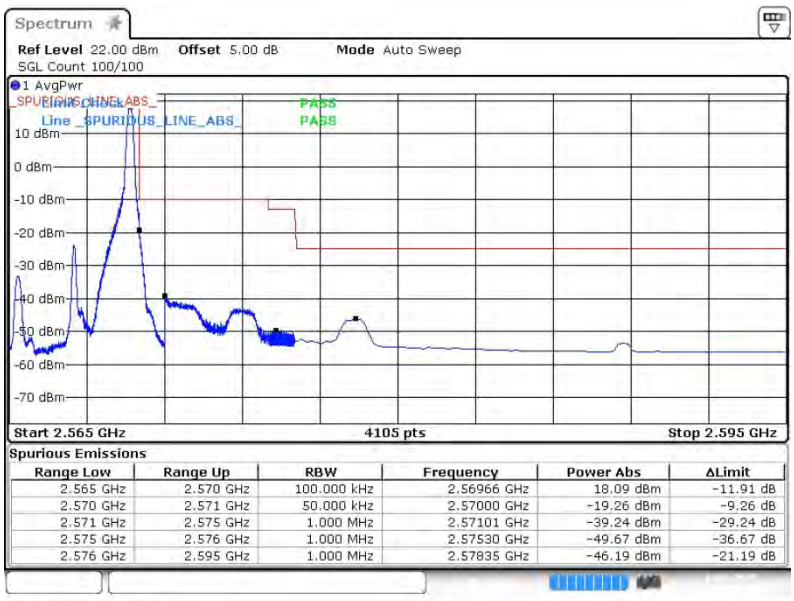
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



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



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

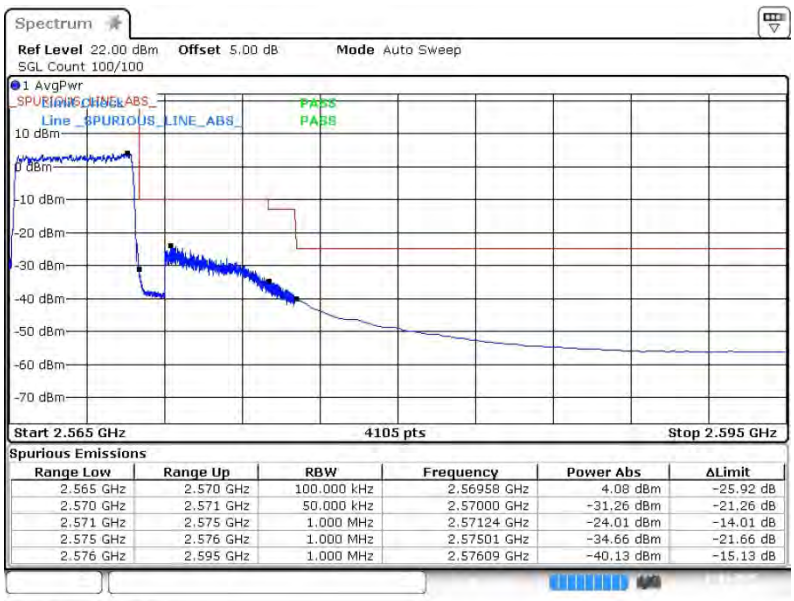


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	18.09 dBm	-11.91 dB
2.570 GHz	2.571 GHz	50.000 kHz	2.57000 GHz	-19.26 dBm	-9.26 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-39.24 dBm	-29.24 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57530 GHz	-49.67 dBm	-36.67 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57835 GHz	-46.19 dBm	-21.19 dB

Date: 12.JAN.2015 15:19:32

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



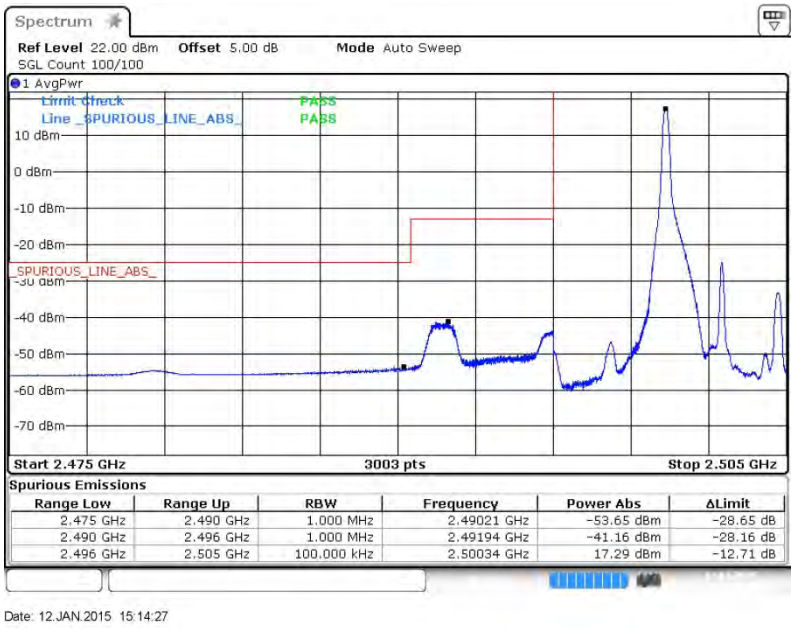
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56958 GHz	4.08 dBm	-25.92 dB
2.570 GHz	2.571 GHz	50.000 kHz	2.57000 GHz	-31.26 dBm	-21.26 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57124 GHz	-24.01 dBm	-14.01 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-34.66 dBm	-21.66 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57609 GHz	-40.13 dBm	-15.13 dB

Date: 12.JAN.2015 15:16:20

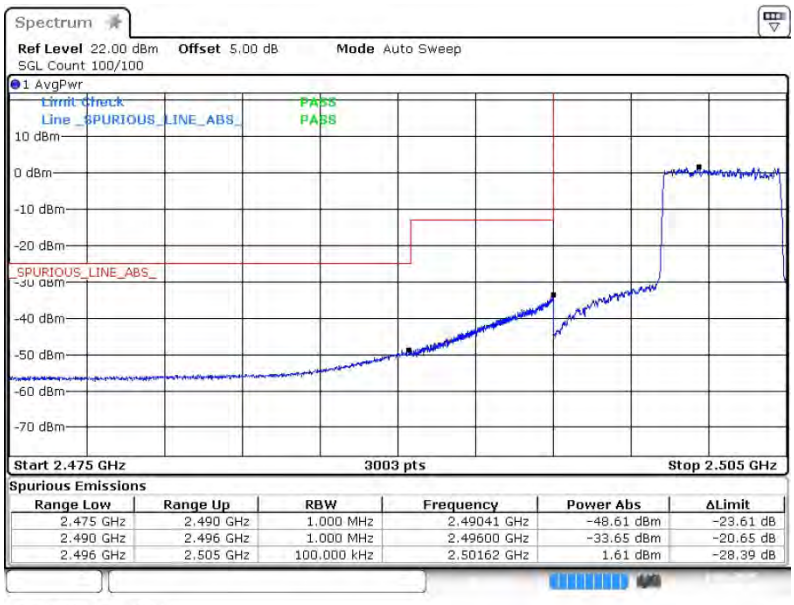
Band :	LTE Band 7	Band Width :	5MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



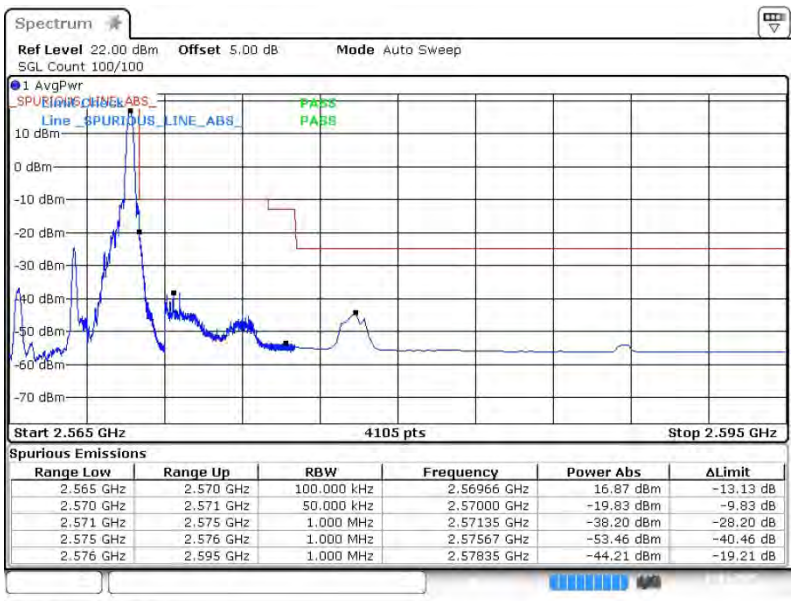
Date: 12.JAN.2015 15:14:27

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



Date: 12.JAN.2015 15:14:48

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

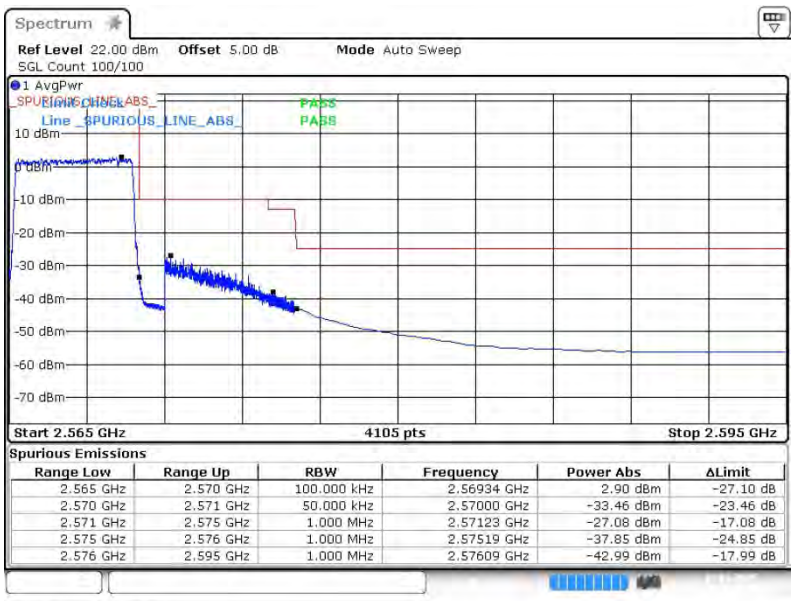


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	16.87 dBm	-13.13 dB
2.570 GHz	2.571 GHz	50.000 kHz	2.57000 GHz	-19.83 dBm	-9.83 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57135 GHz	-38.20 dBm	-28.20 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57567 GHz	-53.46 dBm	-40.46 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57835 GHz	-44.21 dBm	-19.21 dB

Date: 12.JAN.2015 15:18:09

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



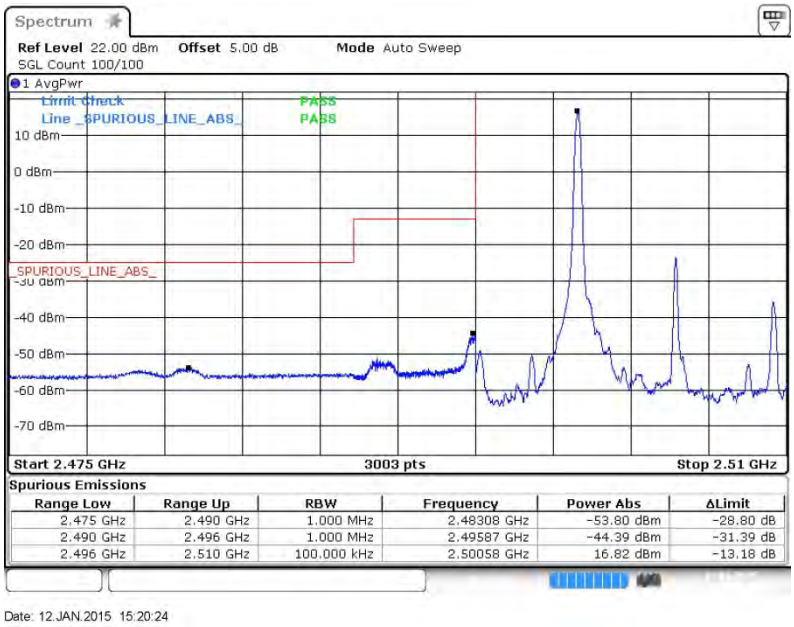
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56934 GHz	2.90 dBm	-27.10 dB
2.570 GHz	2.571 GHz	50.000 kHz	2.57000 GHz	-33.46 dBm	-23.46 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57123 GHz	-27.08 dBm	-17.08 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57519 GHz	-37.85 dBm	-24.85 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57609 GHz	-42.99 dBm	-17.99 dB

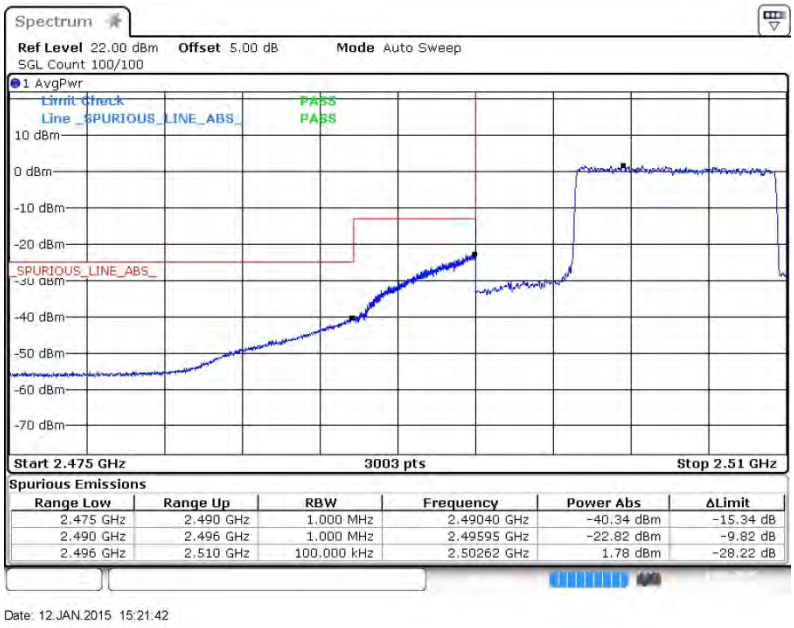
Date: 12.JAN.2015 15:16:55

Band :	LTE Band 7	Band Width :	10MHz / QPSK

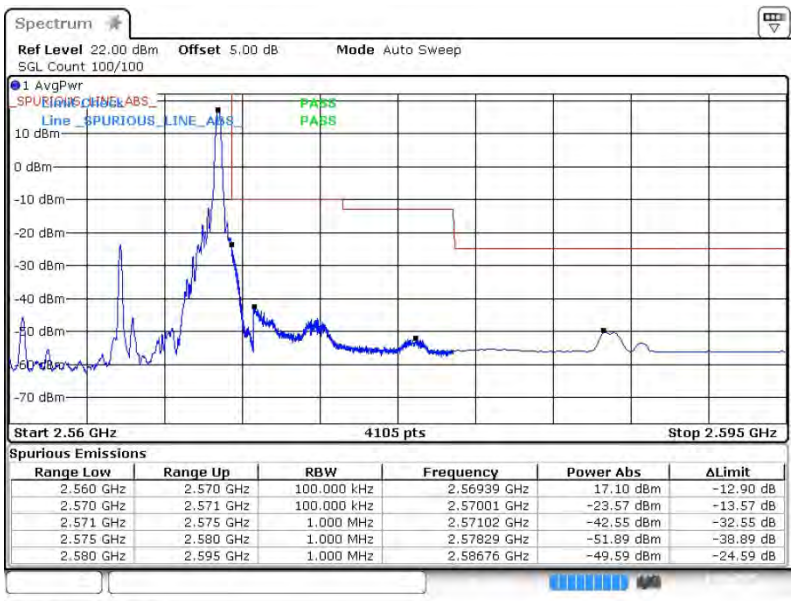
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



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



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

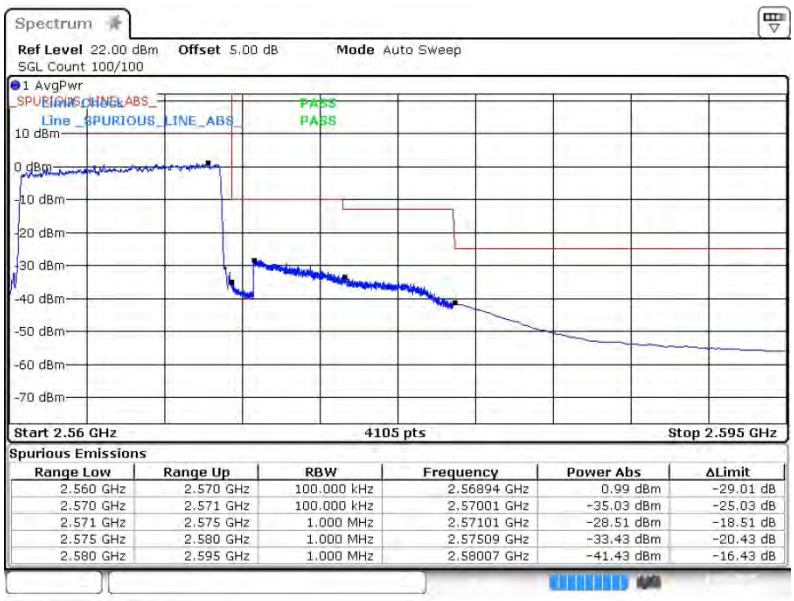


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	17.10 dBm	-12.90 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-23.57 dBm	-13.57 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-42.55 dBm	-32.55 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57829 GHz	-51.89 dBm	-38.89 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58676 GHz	-49.59 dBm	-24.59 dB

Date: 12.JAN.2015 15:23:38

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



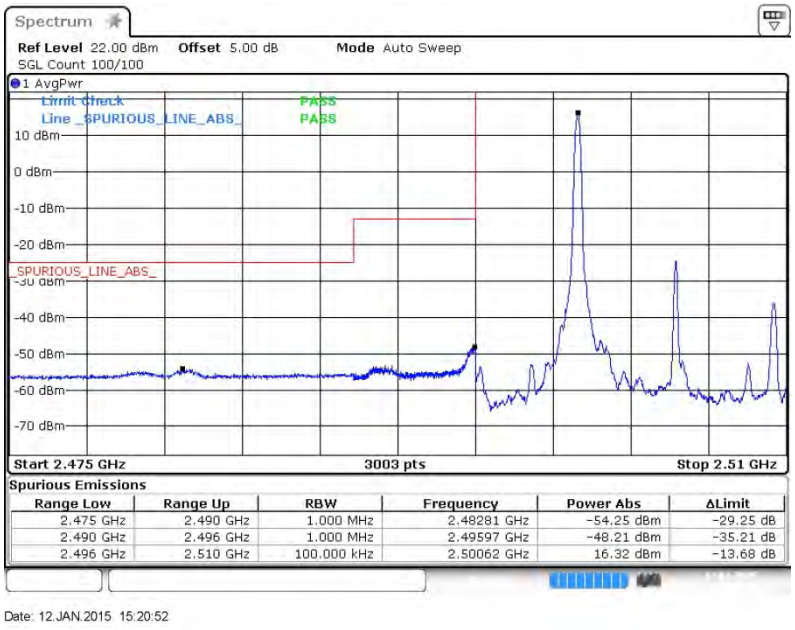
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56894 GHz	0.99 dBm	-29.01 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-35.03 dBm	-25.03 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-28.51 dBm	-18.51 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57509 GHz	-33.43 dBm	-20.43 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58007 GHz	-41.43 dBm	-16.43 dB

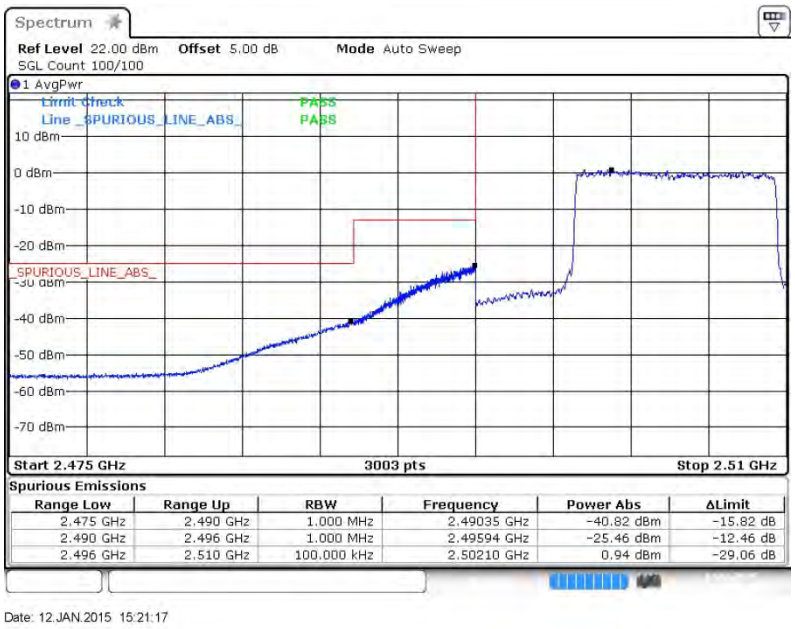
Date: 12.JAN.2015 15:22:11

Band :	LTE Band 7	Band Width :	10MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



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



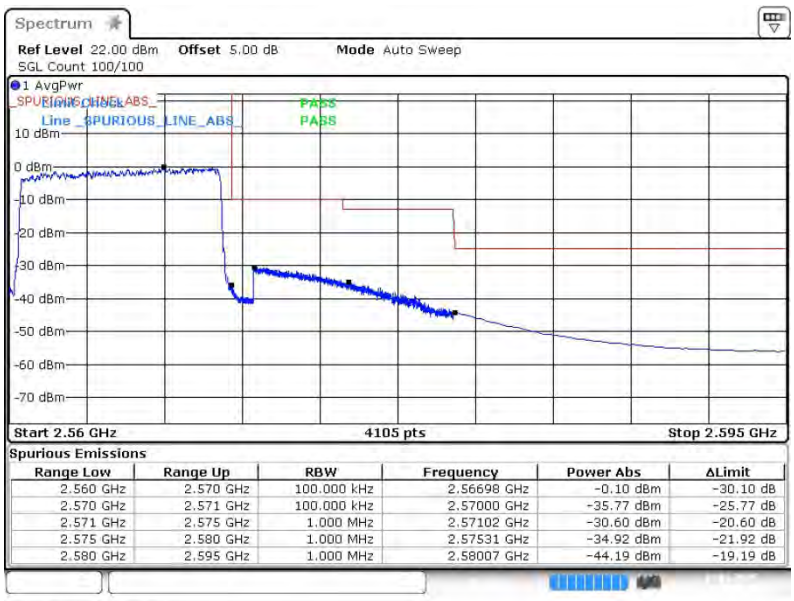
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56941 GHz	16.98 dBm	-13.02 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-21.53 dBm	-11.53 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-37.67 dBm	-27.67 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57812 GHz	-50.47 dBm	-37.47 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58676 GHz	-48.68 dBm	-23.68 dB

Date: 12.JAN.2015 15:23:18

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



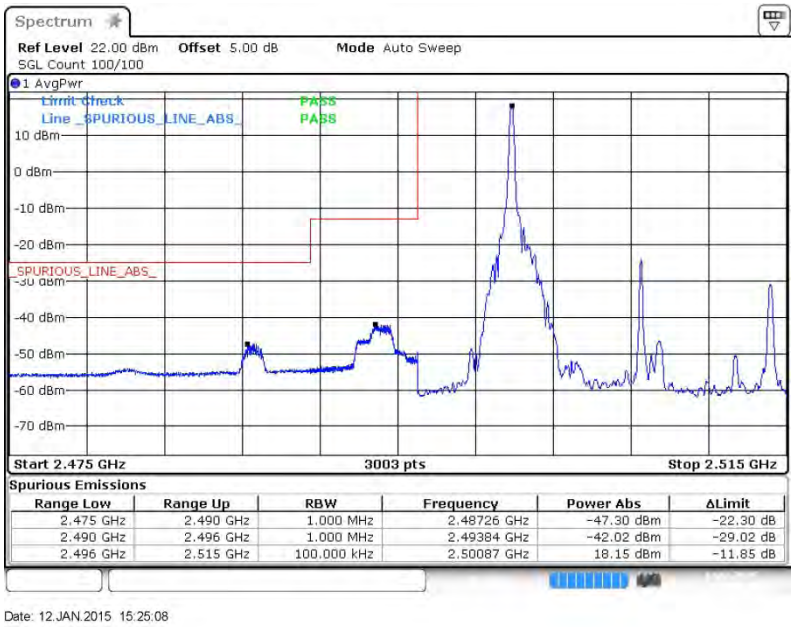
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56698 GHz	-0.10 dBm	-30.10 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-35.77 dBm	-25.77 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-30.60 dBm	-20.60 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57531 GHz	-34.92 dBm	-21.92 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58007 GHz	-44.19 dBm	-19.19 dB

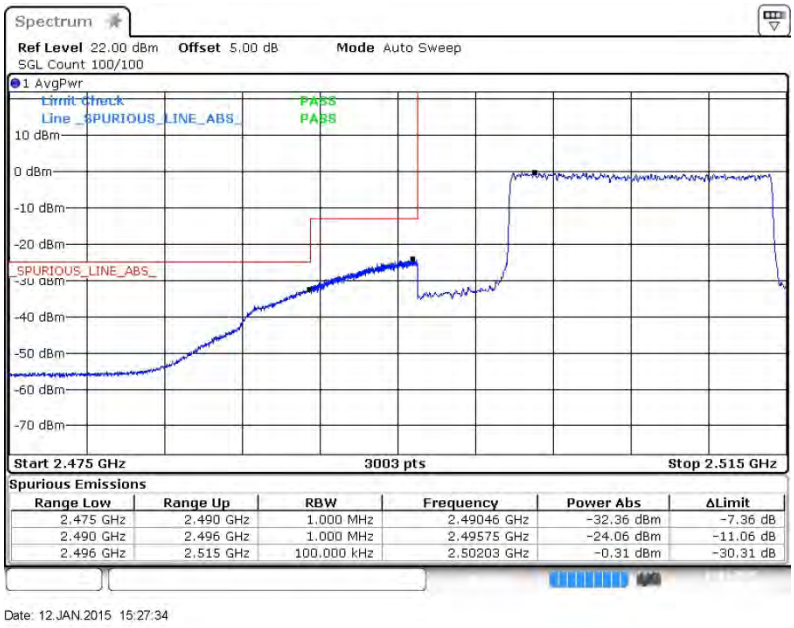
Date: 12.JAN.2015 15:22:35

Band :	LTE Band 7	Band Width :	15MHz / QPSK

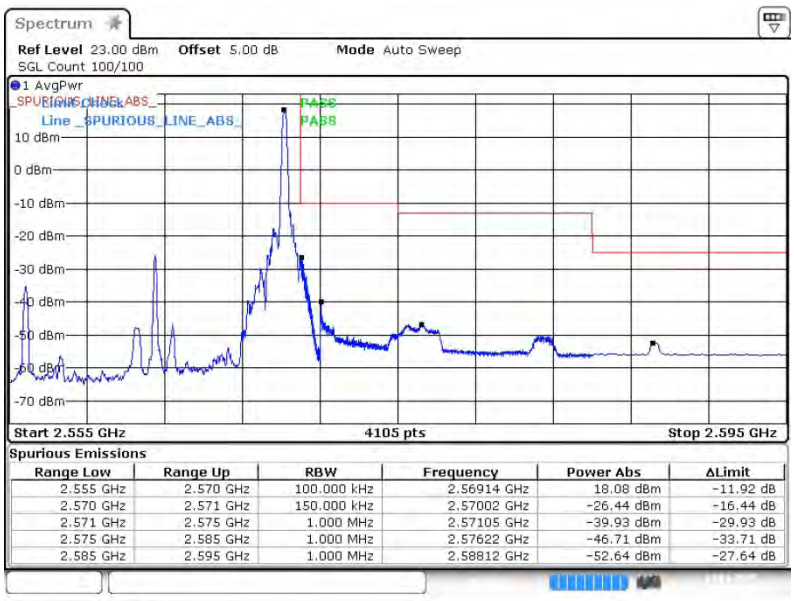
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



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



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

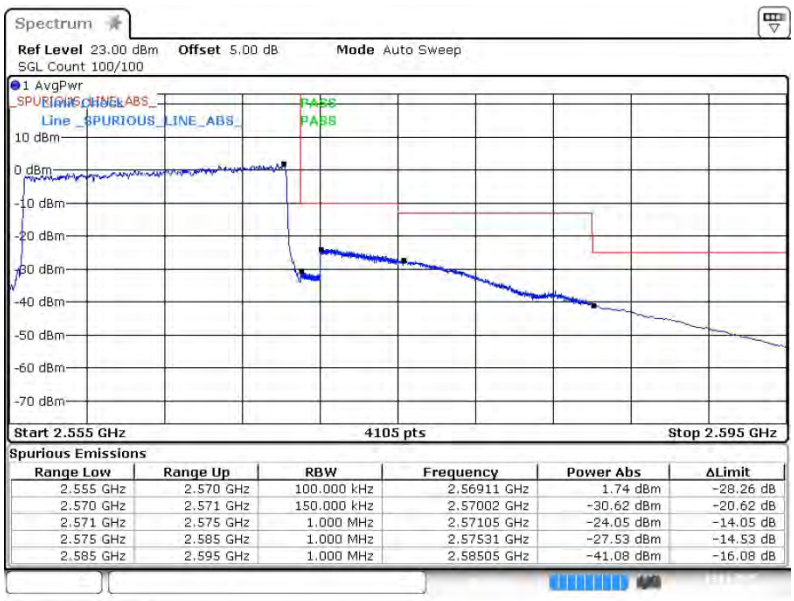


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56914 GHz	18.08 dBm	-11.92 dB
2.570 GHz	2.571 GHz	150.000 kHz	2.57002 GHz	-26.44 dBm	-16.44 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-39.93 dBm	-29.93 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57622 GHz	-46.71 dBm	-33.71 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58812 GHz	-52.64 dBm	-27.64 dB

Date: 14.JAN.2015 14:19:10

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



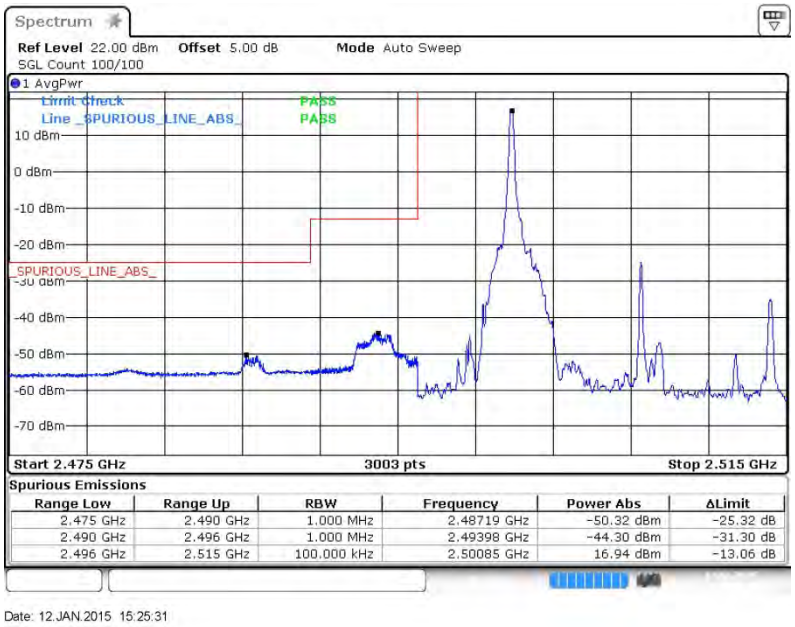
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56911 GHz	1.74 dBm	-28.26 dB
2.570 GHz	2.571 GHz	150.000 kHz	2.57002 GHz	-30.62 dBm	-20.62 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-24.05 dBm	-14.05 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57531 GHz	-27.53 dBm	-14.53 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58505 GHz	-41.08 dBm	-16.08 dB

Date: 14.JAN.2015 14:17:07

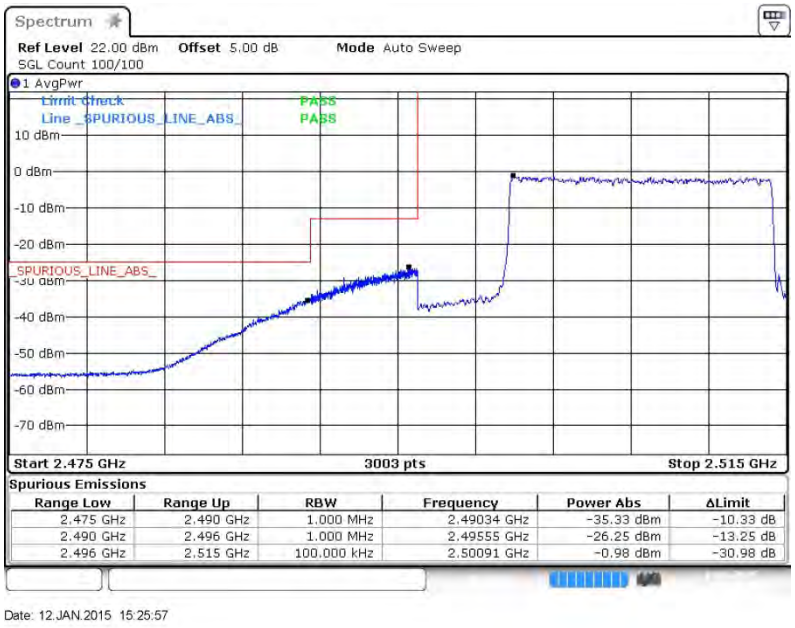
Band :	LTE Band 7	Band Width :	15MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



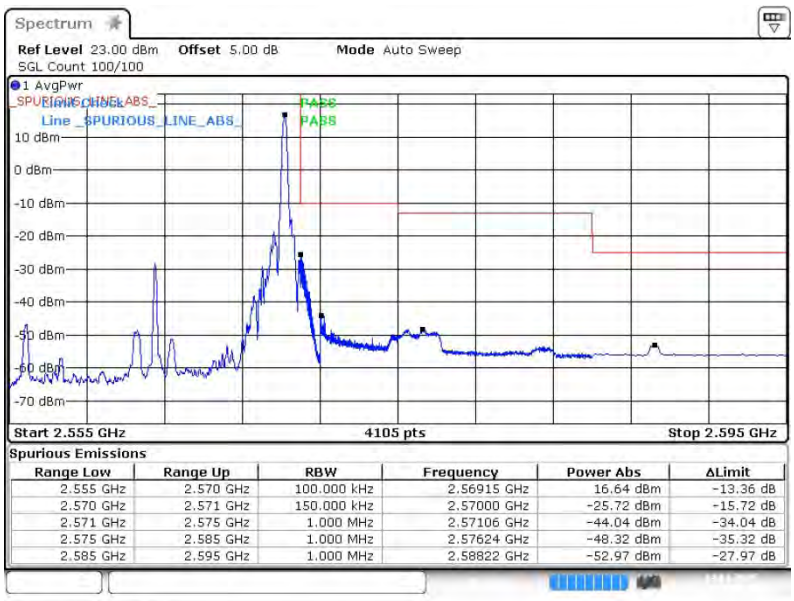
Date: 12.JAN.2015 15:25:31

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



Date: 12.JAN.2015 15:25:57

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

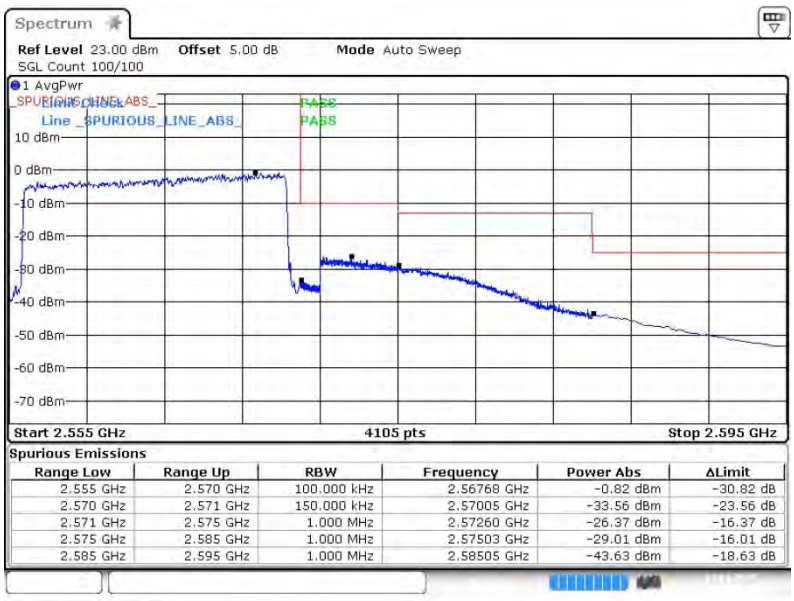


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56915 GHz	16.64 dBm	-13.36 dB
2.570 GHz	2.571 GHz	150.000 kHz	2.57000 GHz	-25.72 dBm	-15.72 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-44.04 dBm	-34.04 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57624 GHz	-48.32 dBm	-35.32 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58822 GHz	-52.97 dBm	-27.97 dB

Date: 14.JAN.2015 14:18:06

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



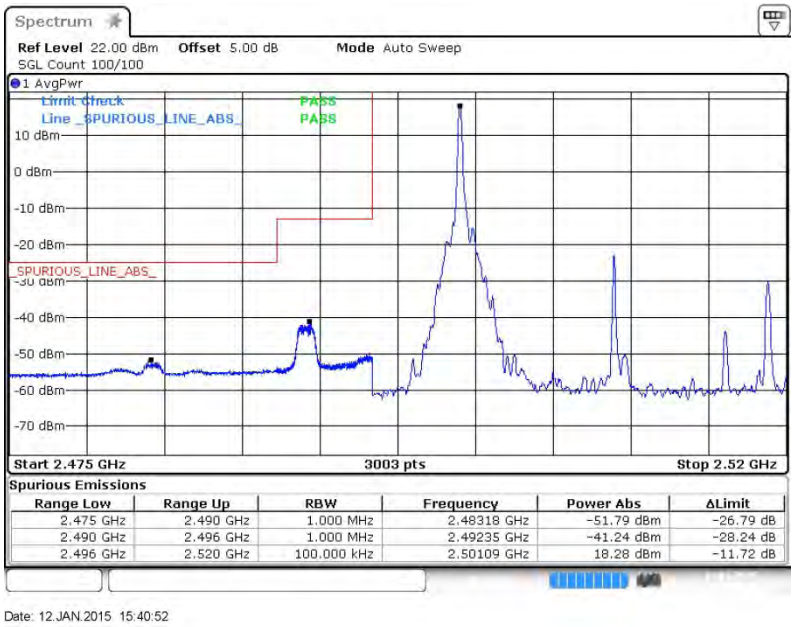
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56768 GHz	-0.82 dBm	-30.82 dB
2.570 GHz	2.571 GHz	150.000 kHz	2.57005 GHz	-33.56 dBm	-23.56 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57260 GHz	-26.37 dBm	-16.37 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57503 GHz	-29.01 dBm	-16.01 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58505 GHz	-43.63 dBm	-18.63 dB

Date: 14.JAN.2015 14:17:46

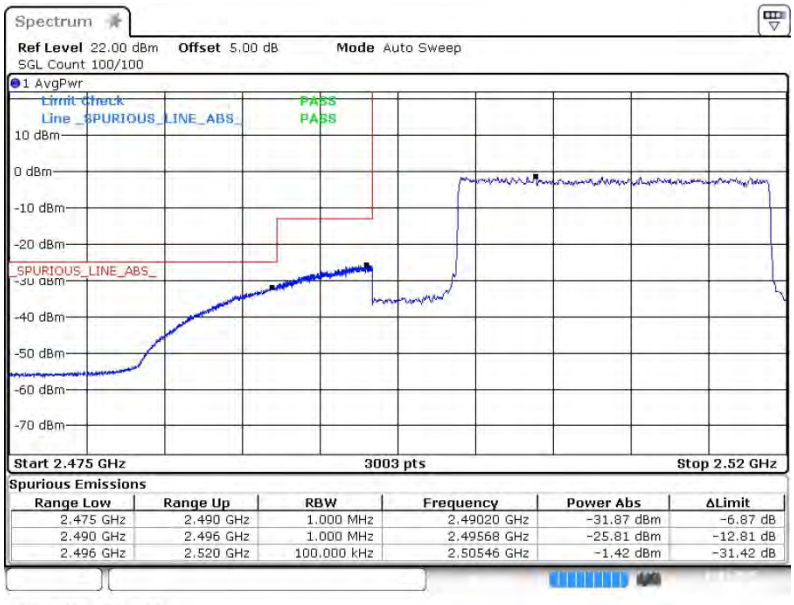
Band :	LTE Band 7	Band Width :	20MHz / QPSK

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



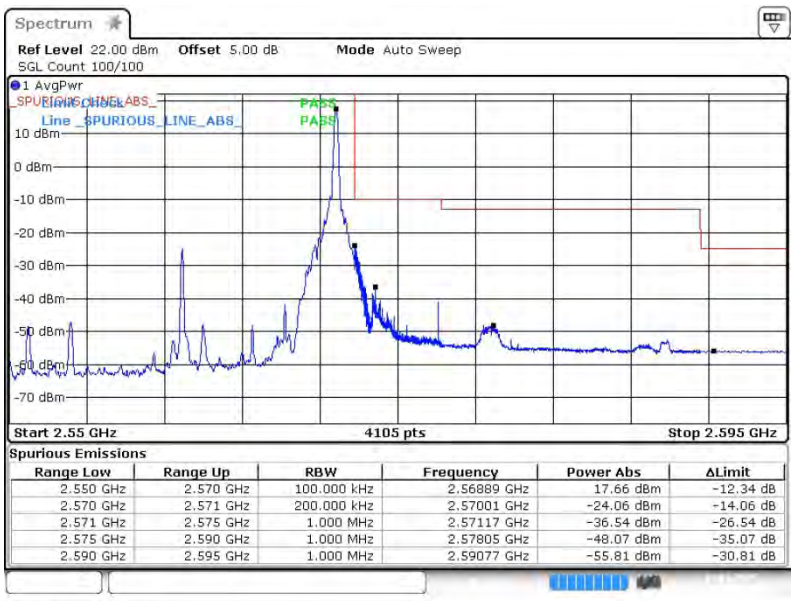
Date: 12.JAN.2015 15:40:52

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



Date: 12.JAN.2015 15:42:47

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



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56889 GHz	17.66 dBm	-12.34 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-24.06 dBm	-14.06 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57117 GHz	-36.54 dBm	-26.54 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57805 GHz	-48.07 dBm	-35.07 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59077 GHz	-55.81 dBm	-30.81 dB

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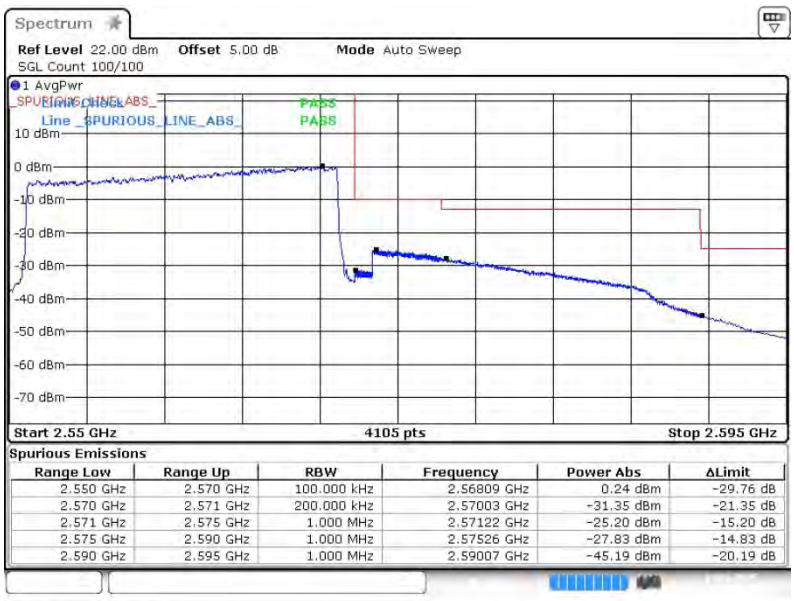
Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56809 GHz	0.24 dBm	-29.76 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57003 GHz	-31.35 dBm	-21.35 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57122 GHz	-25.20 dBm	-15.20 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57526 GHz	-27.83 dBm	-14.83 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59007 GHz	-45.19 dBm	-20.19 dB

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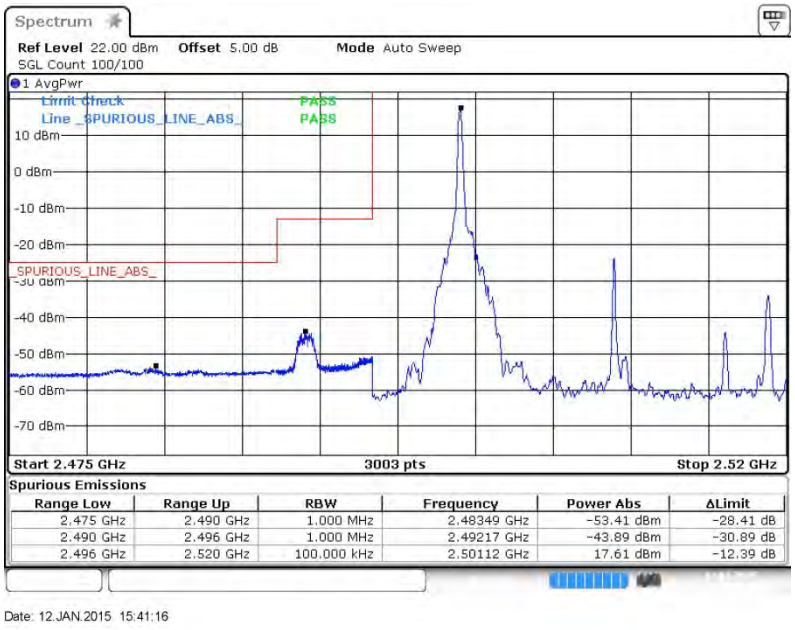
Band :	LTE Band 7	Band Width :	20MHz / 16QAM

Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



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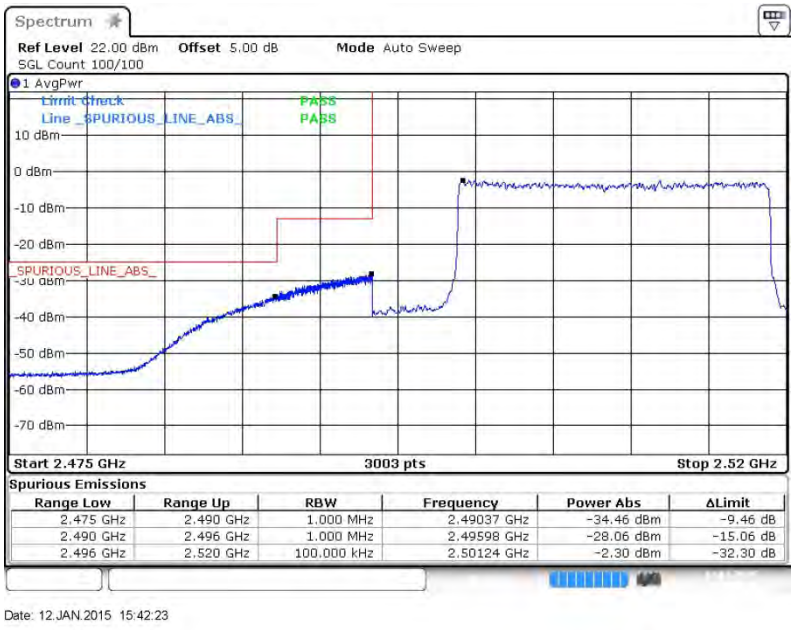
Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



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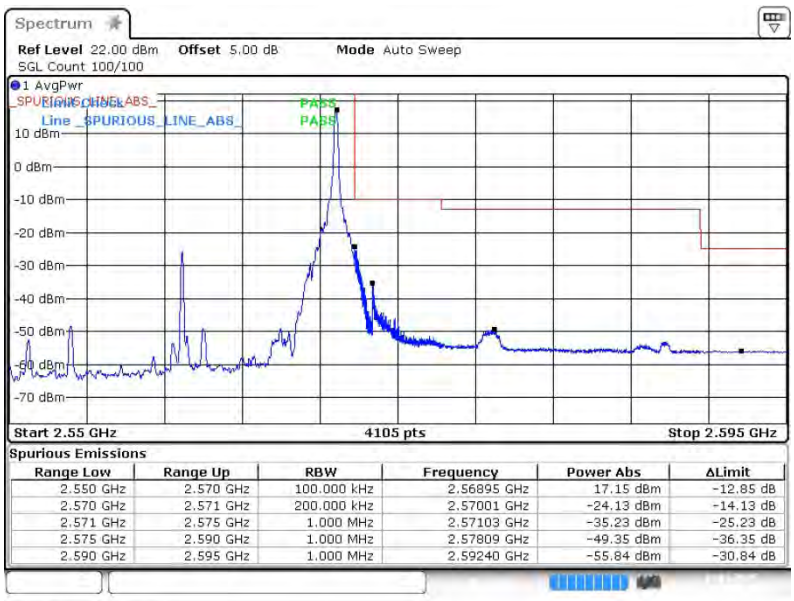
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56895 GHz	17.15 dBm	-12.85 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-24.13 dBm	-14.13 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-35.23 dBm	-25.23 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57809 GHz	-49.35 dBm	-36.35 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59240 GHz	-55.84 dBm	-30.84 dB

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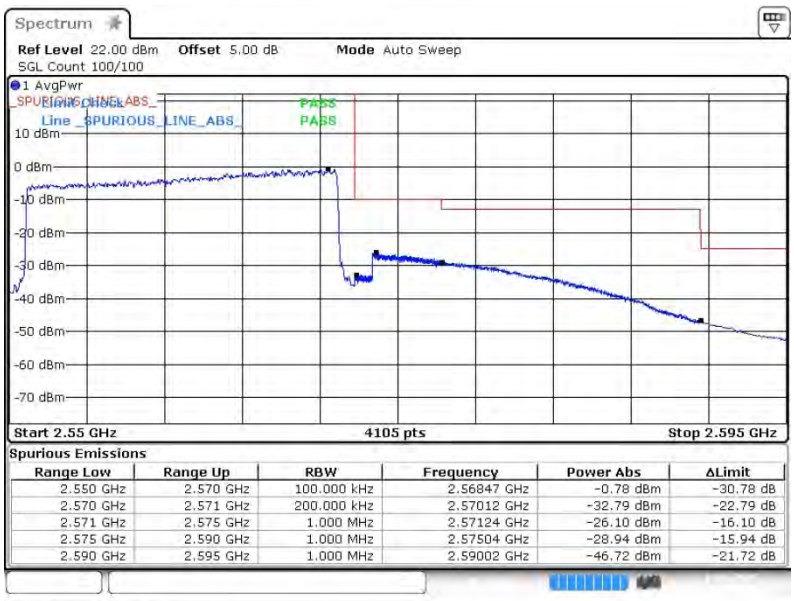
Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56847 GHz	-0.78 dBm	-30.78 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57012 GHz	-32.79 dBm	-22.79 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57124 GHz	-26.10 dBm	-16.10 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57504 GHz	-28.94 dBm	-15.94 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59002 GHz	-46.72 dBm	-21.72 dB

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