

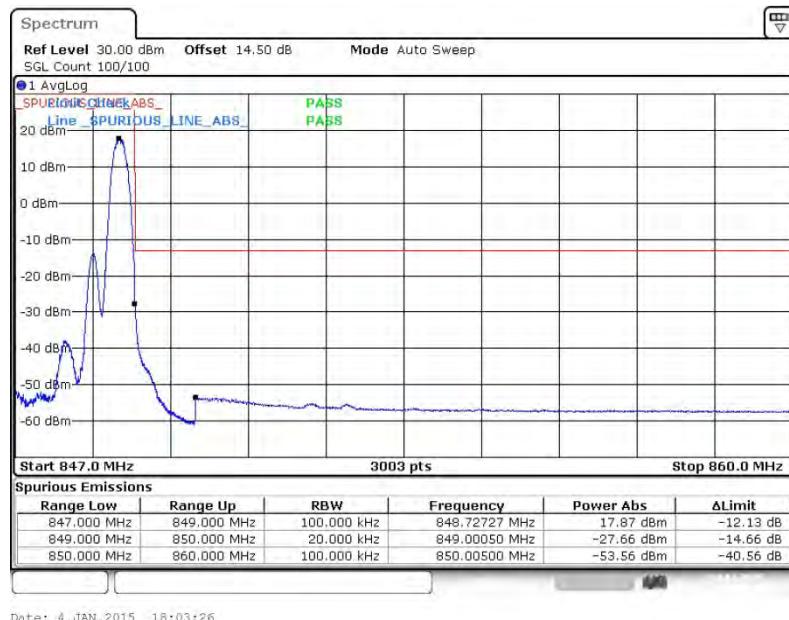


Band :	LTE Band 5	Band Width :	1.4MHz / 16QAM
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Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 6, RB Offset 0**



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

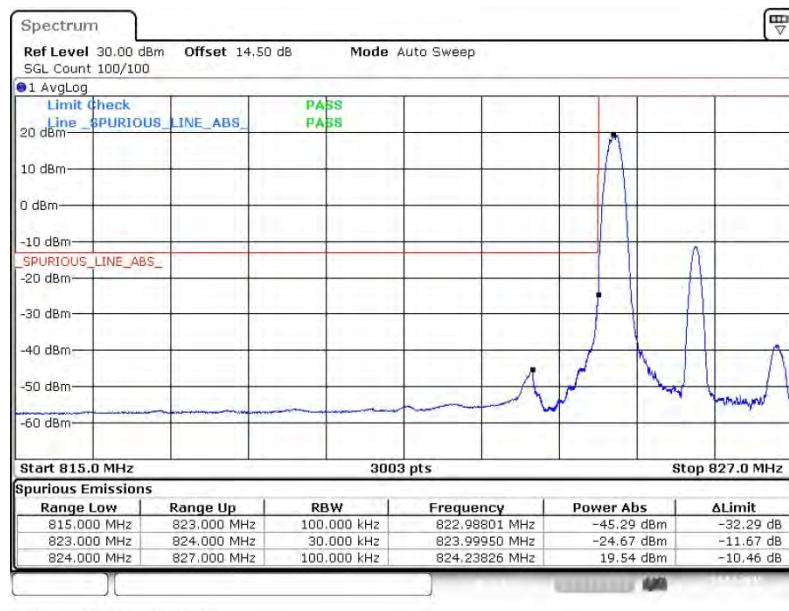


Higher Band Edge Plot for 16QAM-RB Size 6, RB Offset 0



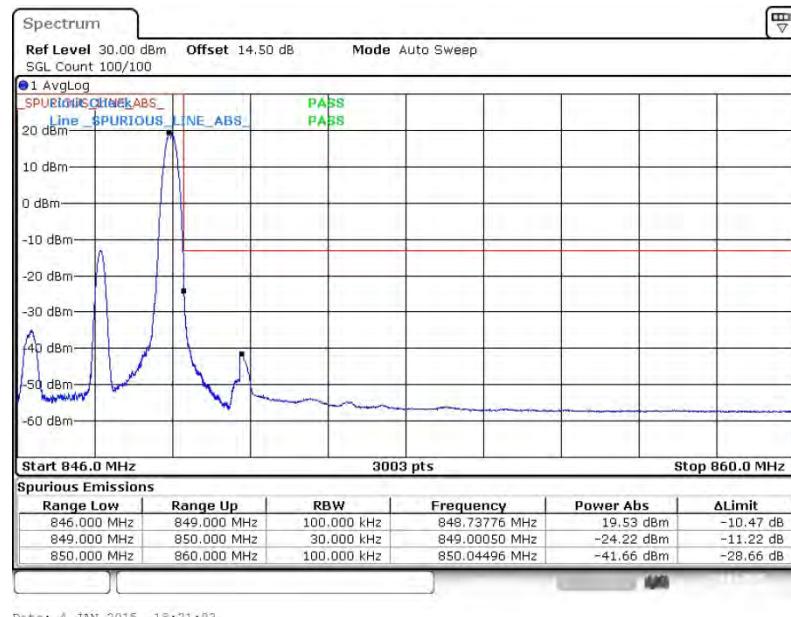


Band :	LTE Band 5	Band Width :	3MHz / QPSK
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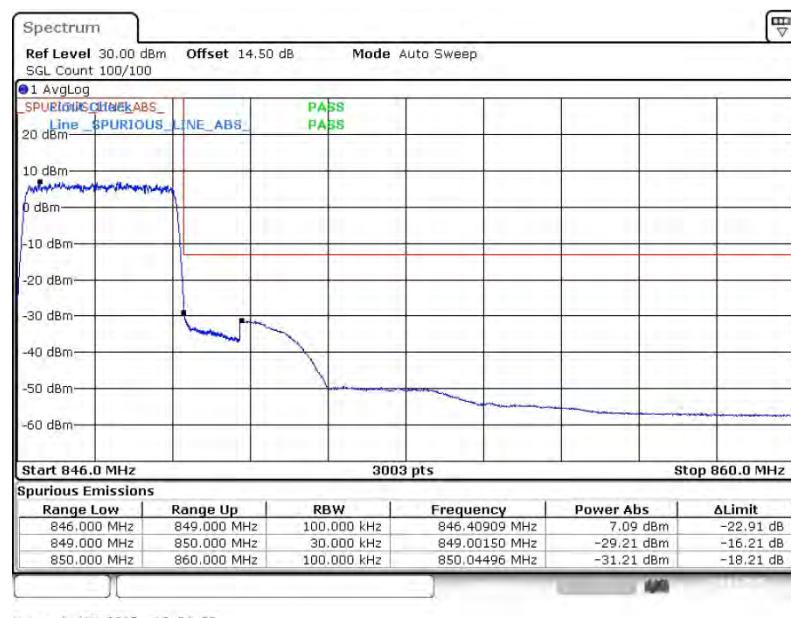
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0**



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

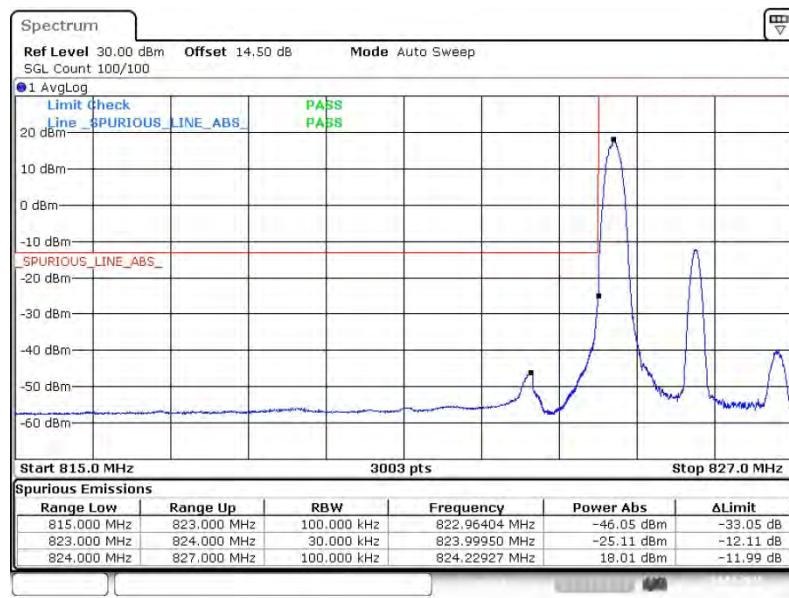
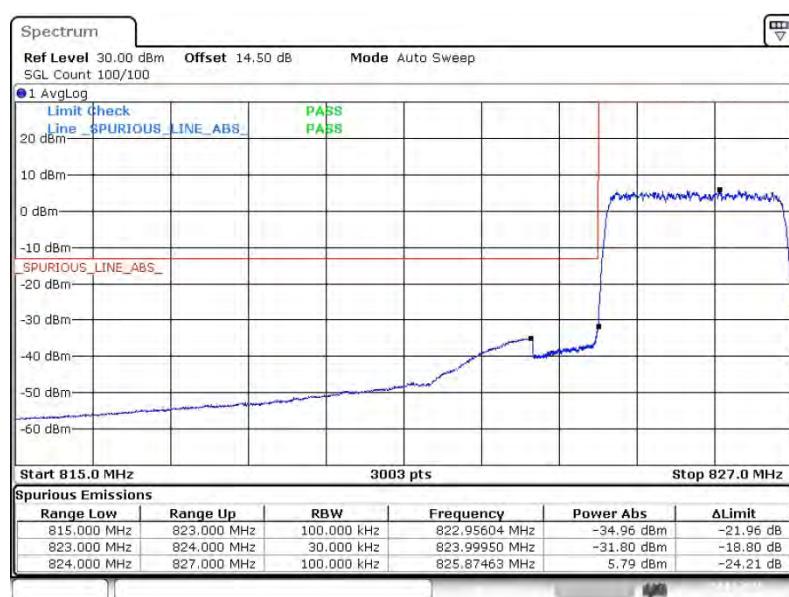


Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0



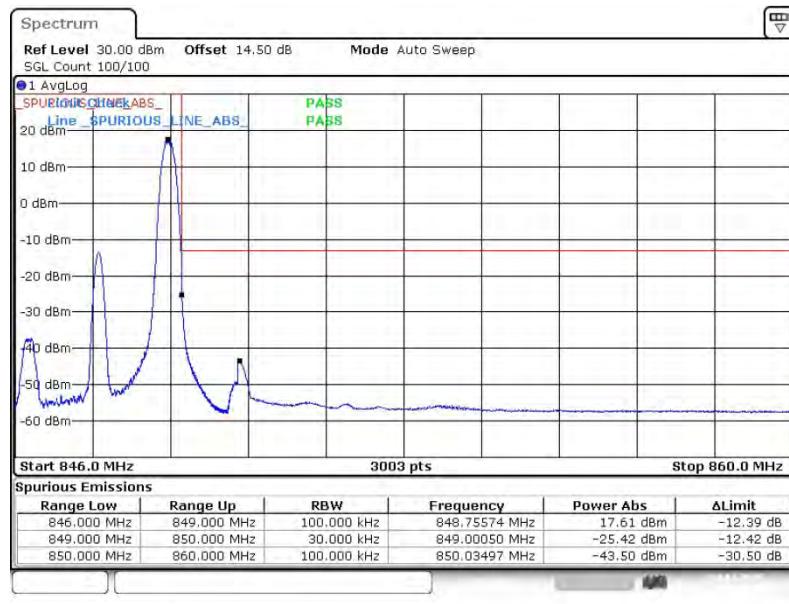


Band :	LTE Band 5	Band Width :	3MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 15, RB Offset 0**



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

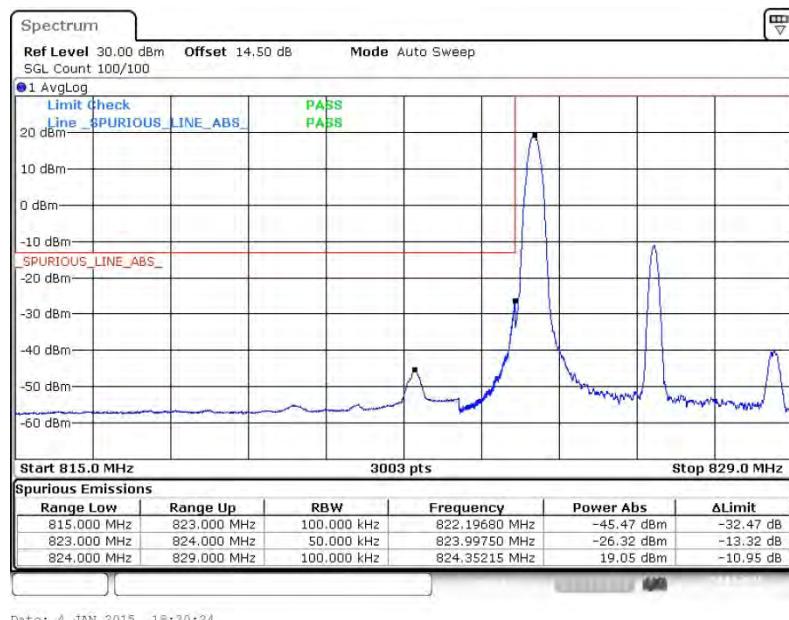
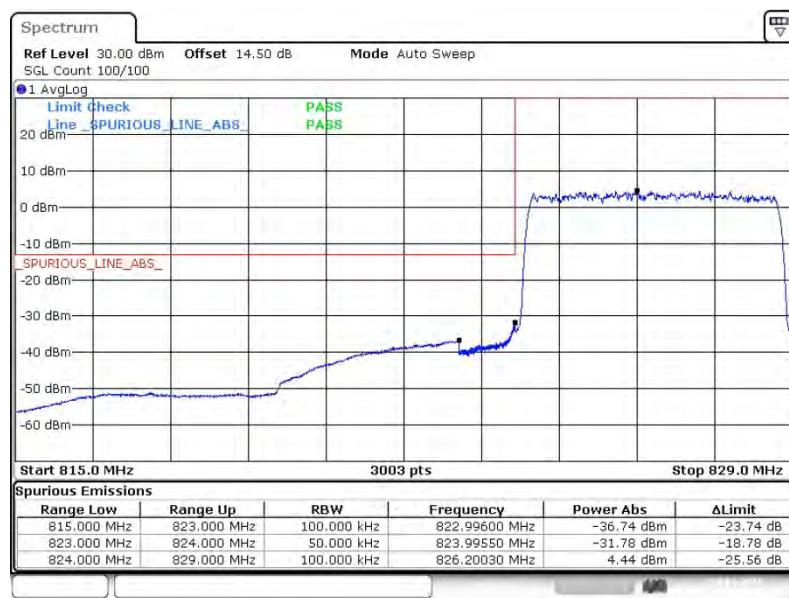


Higher Band Edge Plot for 16QAM-RB Size 15, RB Offset 0



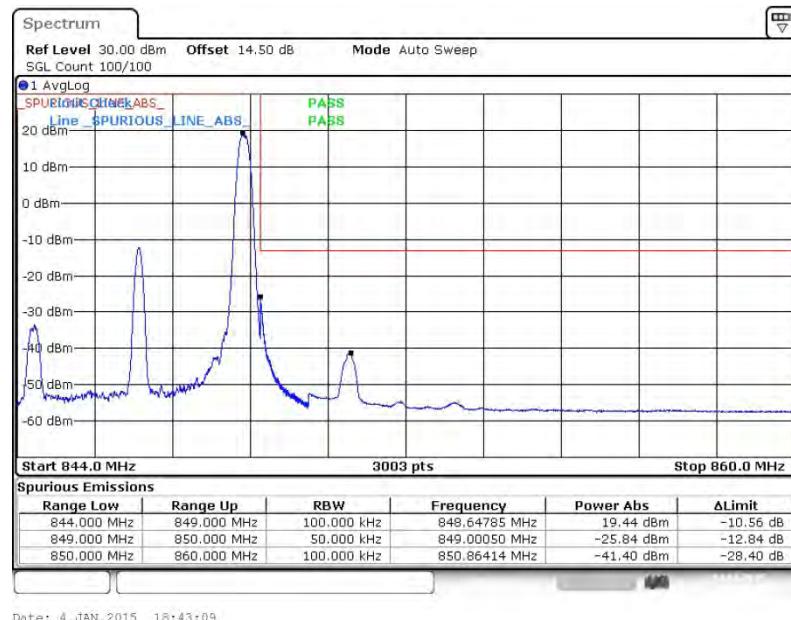


Band :	LTE Band 5	Band Width :	5MHz / QPSK
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Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0**



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

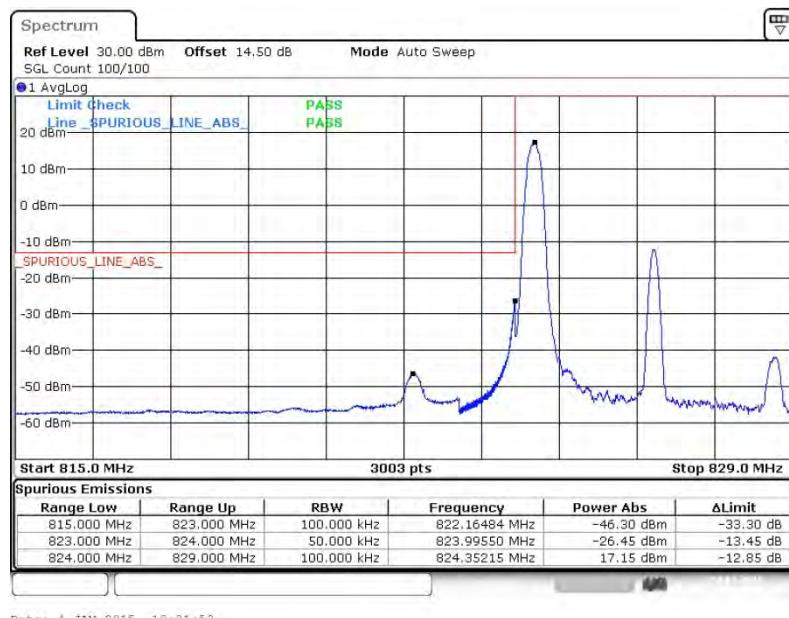


Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



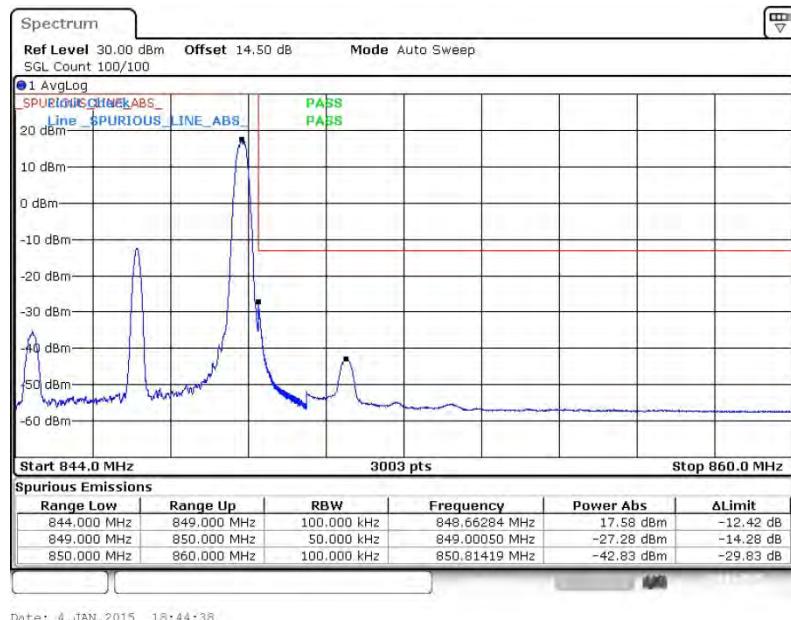


Band :	LTE Band 5	Band Width :	5MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0**



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

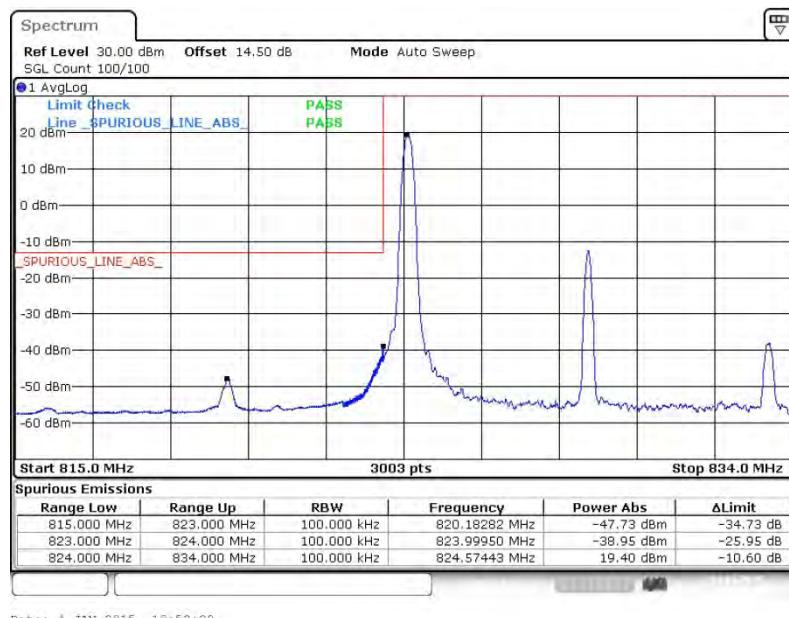
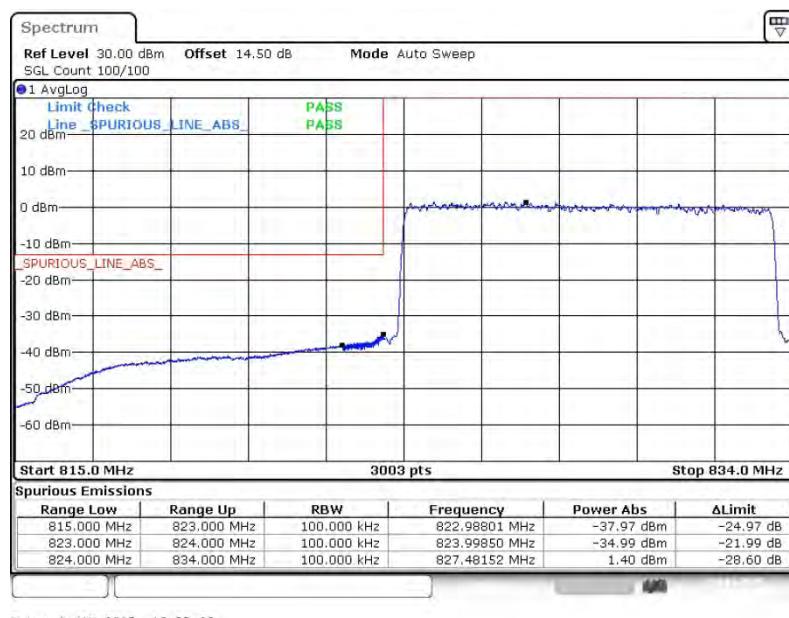


Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



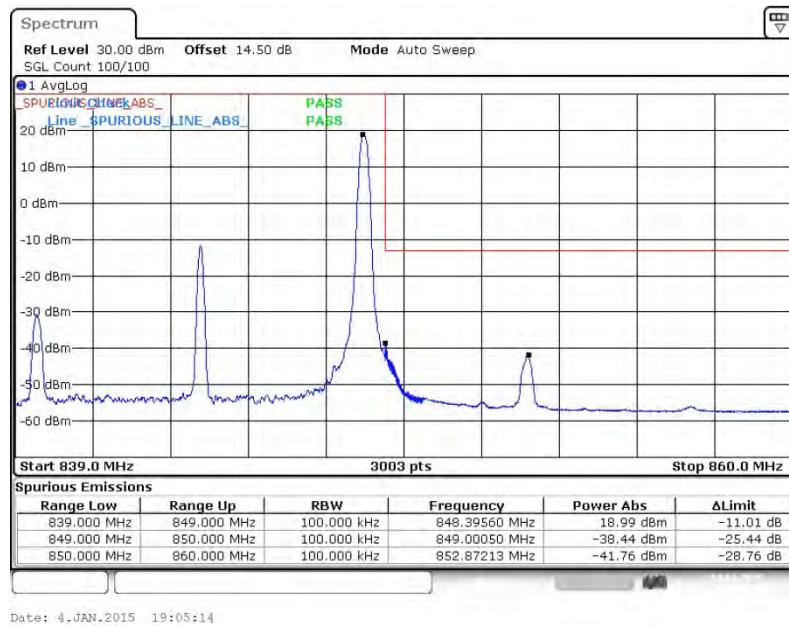


Band :	LTE Band 5	Band Width :	10MHz / QPSK
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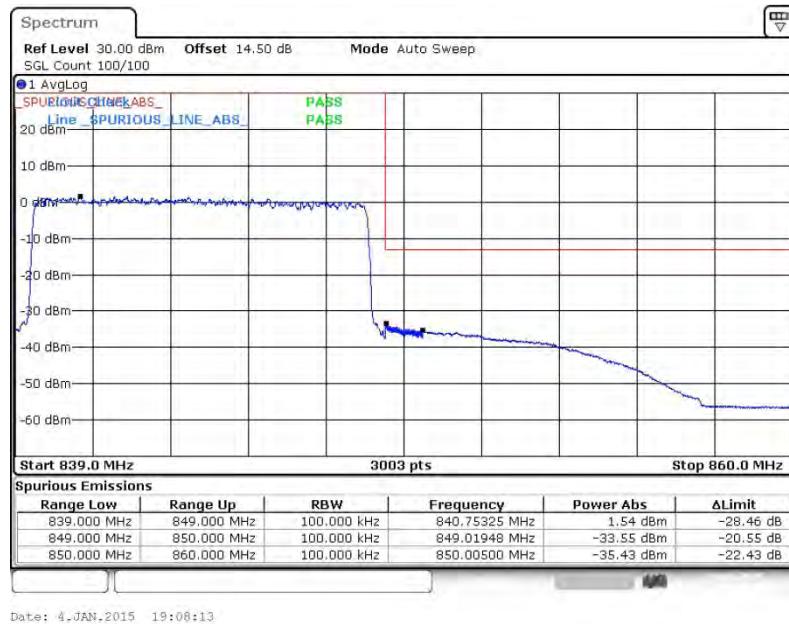
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0**



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

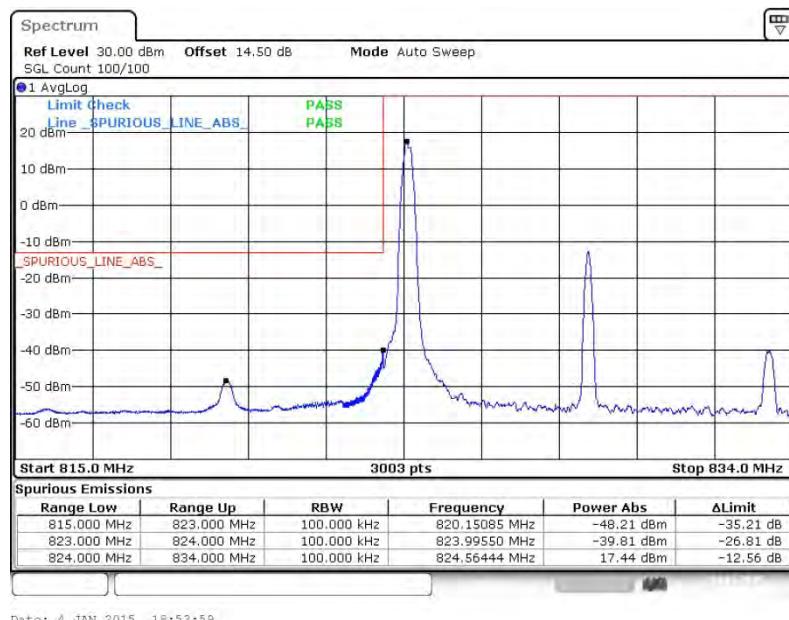
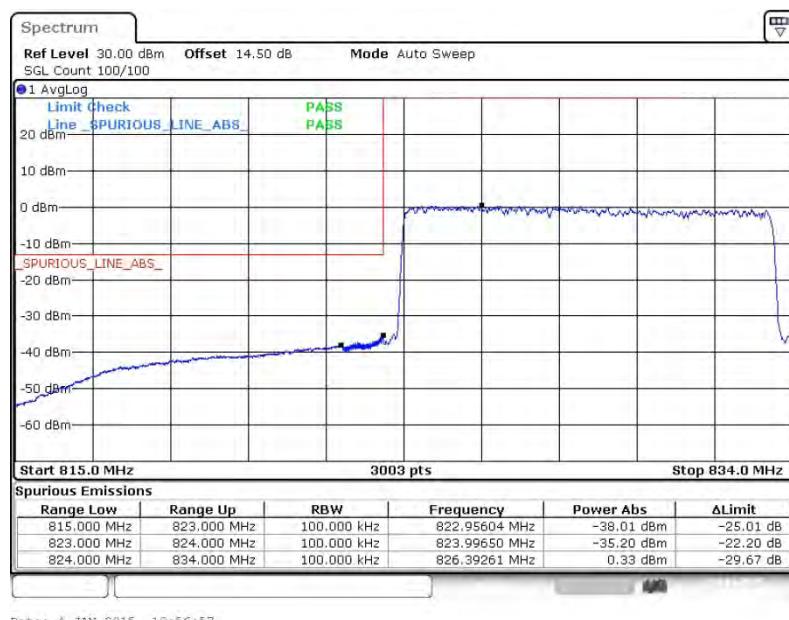


Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0



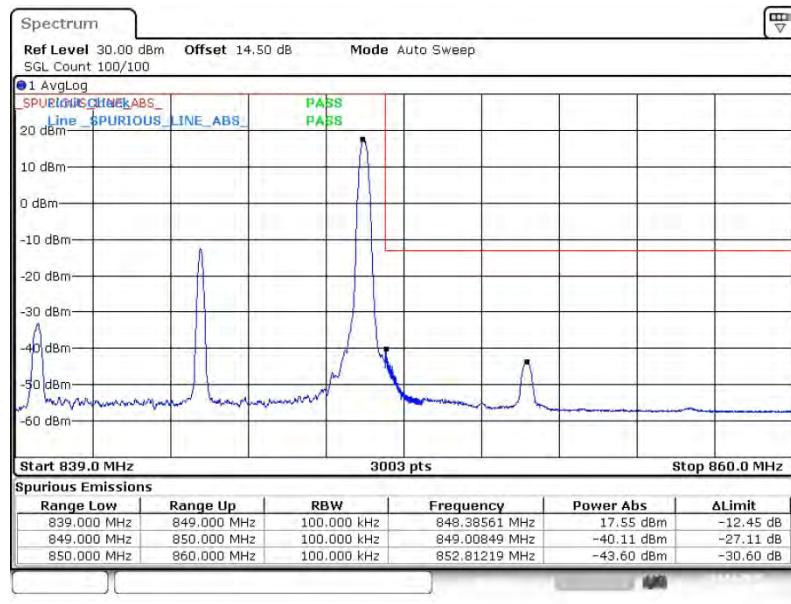


Band :	LTE Band 5	Band Width :	10MHz / 16QAM
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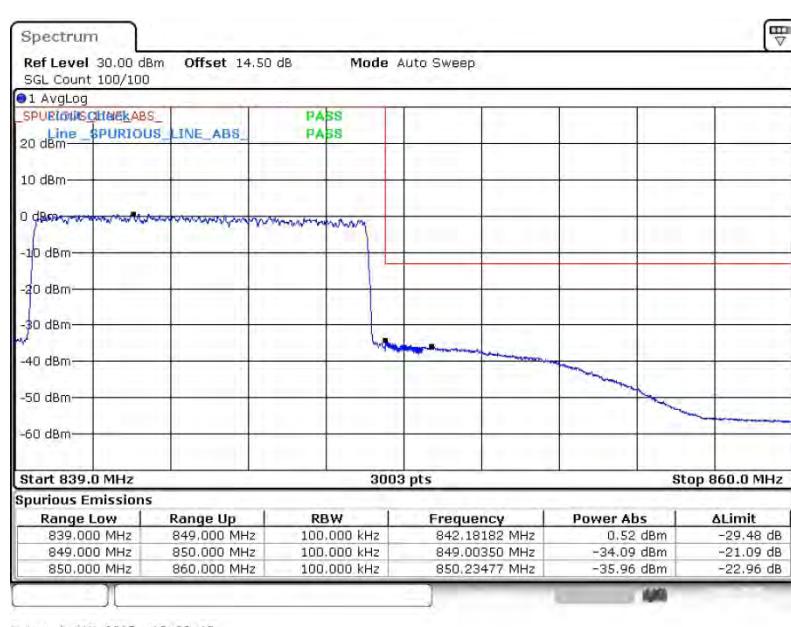
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0**



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

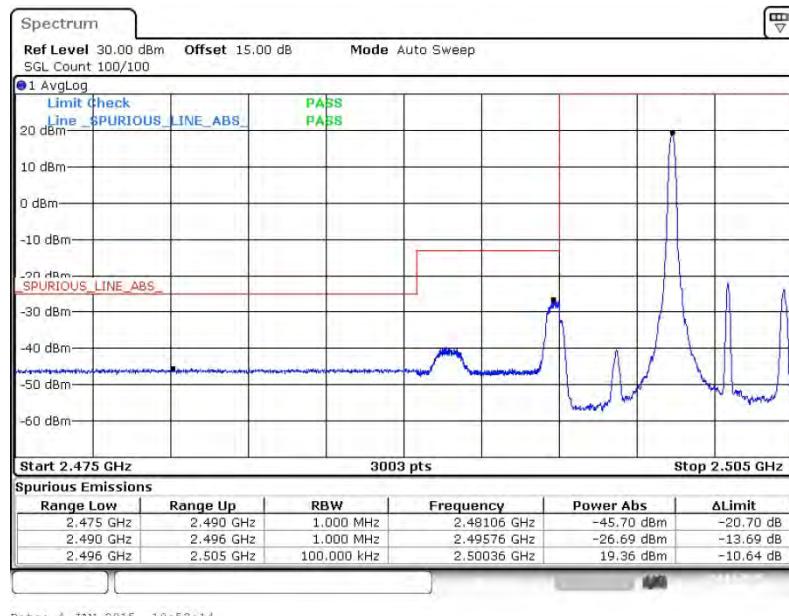
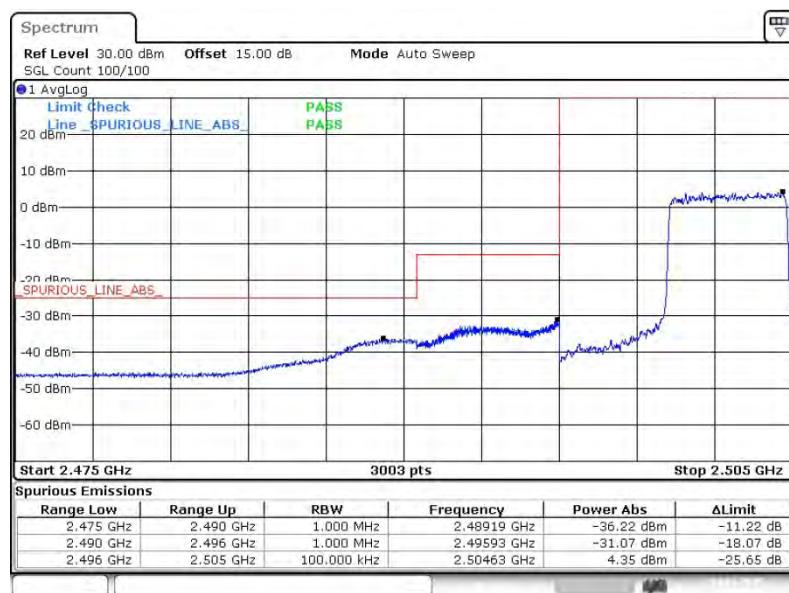


Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



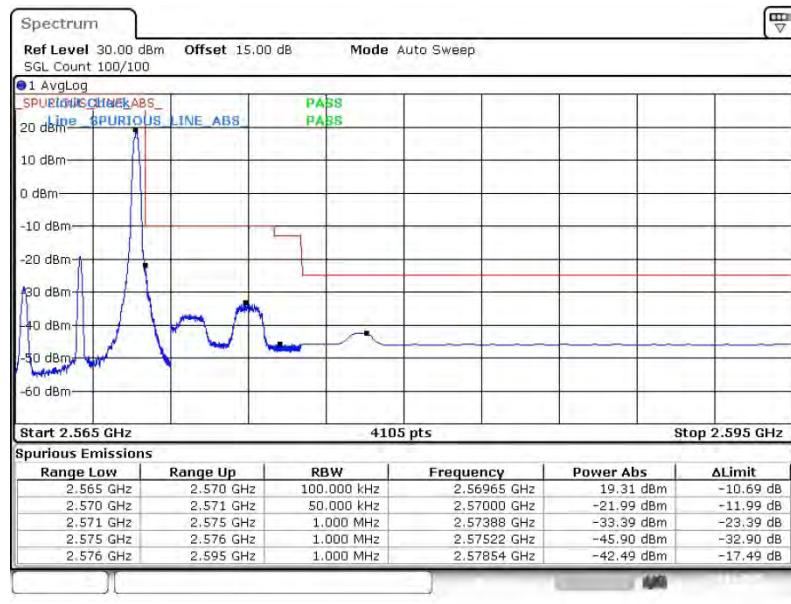


Band :	LTE Band 7	Band Width :	5MHz / QPSK
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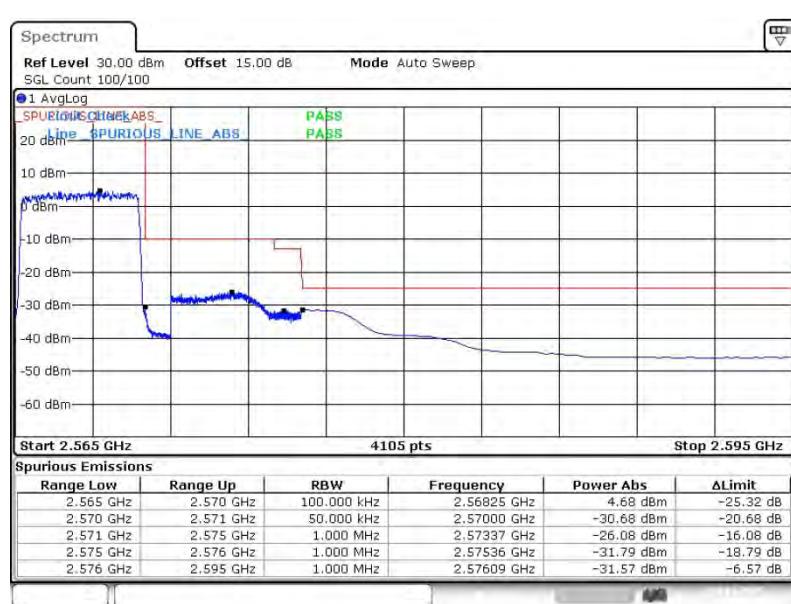
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0**



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

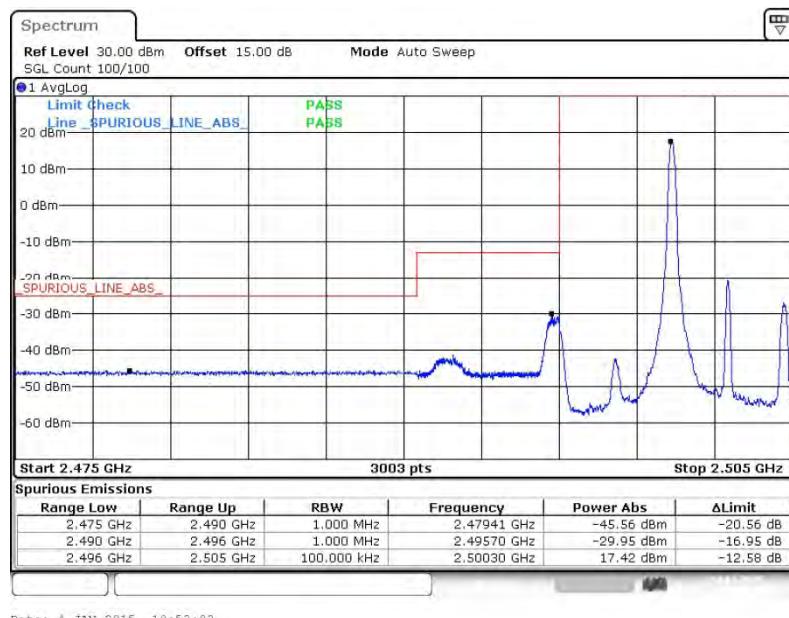
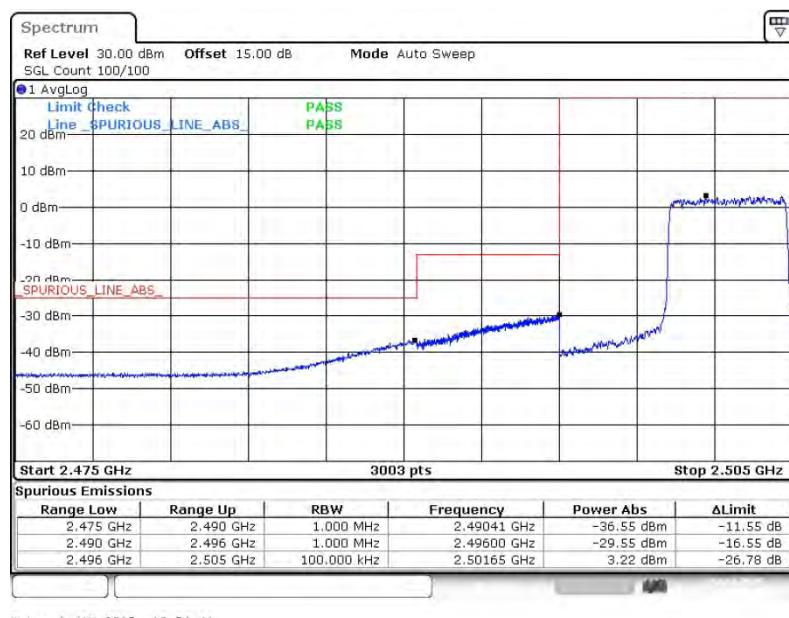


Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



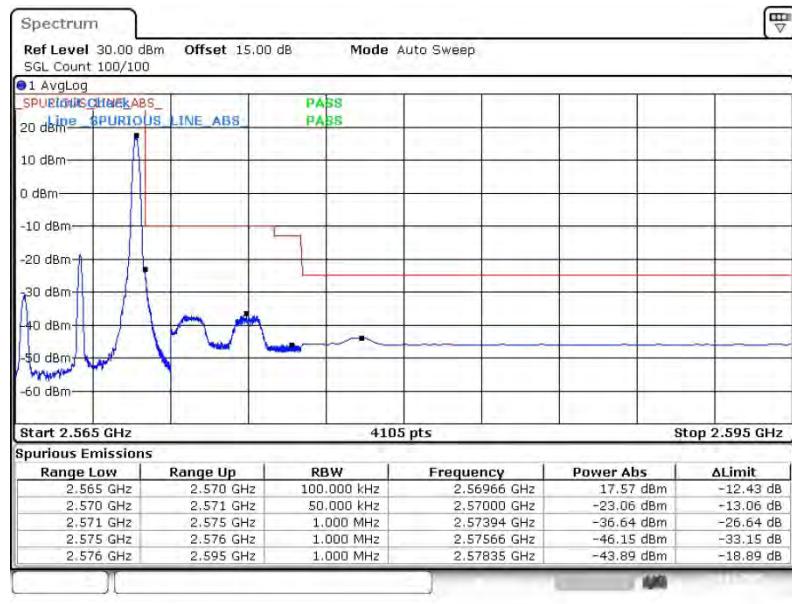


Band :	LTE Band 7	Band Width :	5MHz / 16QAM
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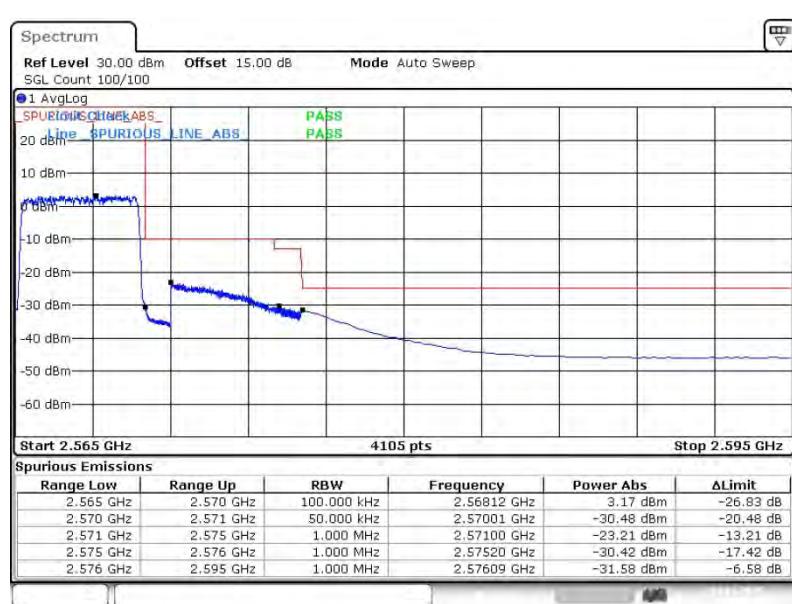
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0**



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

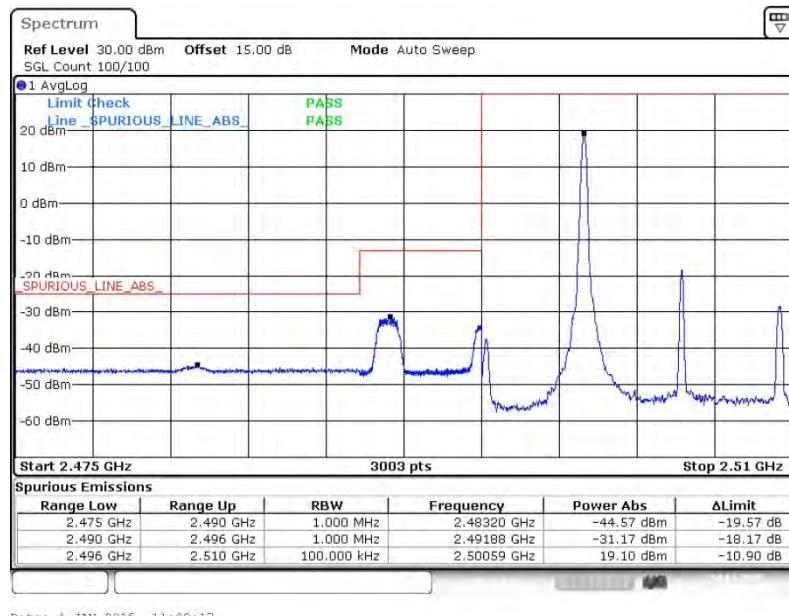
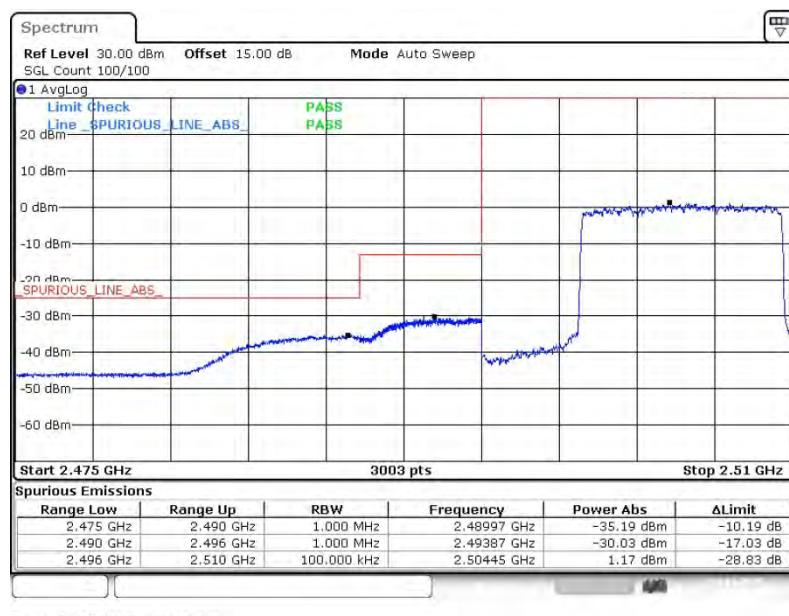


Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



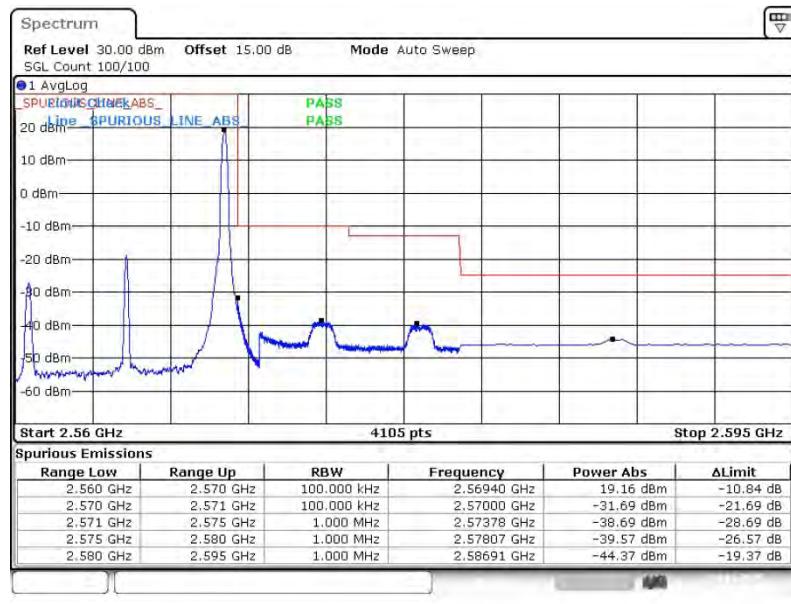


Band :	LTE Band 7	Band Width :	10MHz / QPSK
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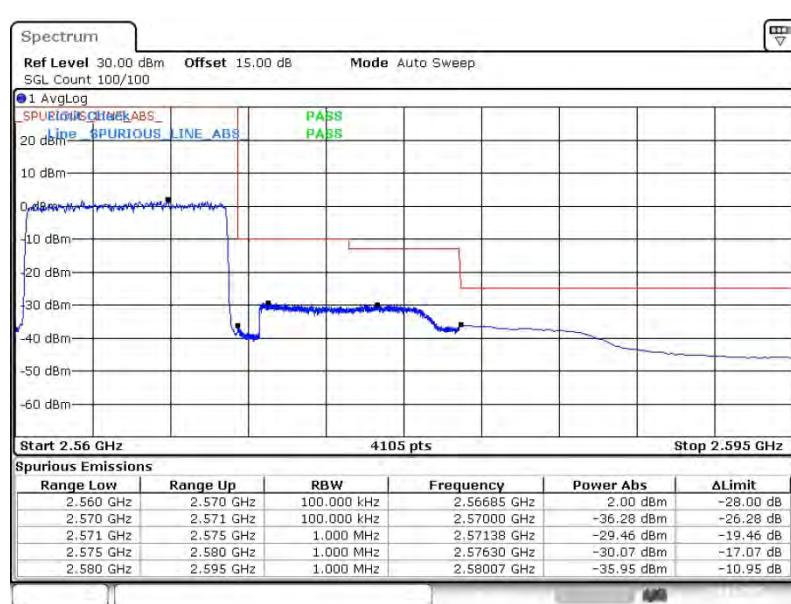
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0**



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

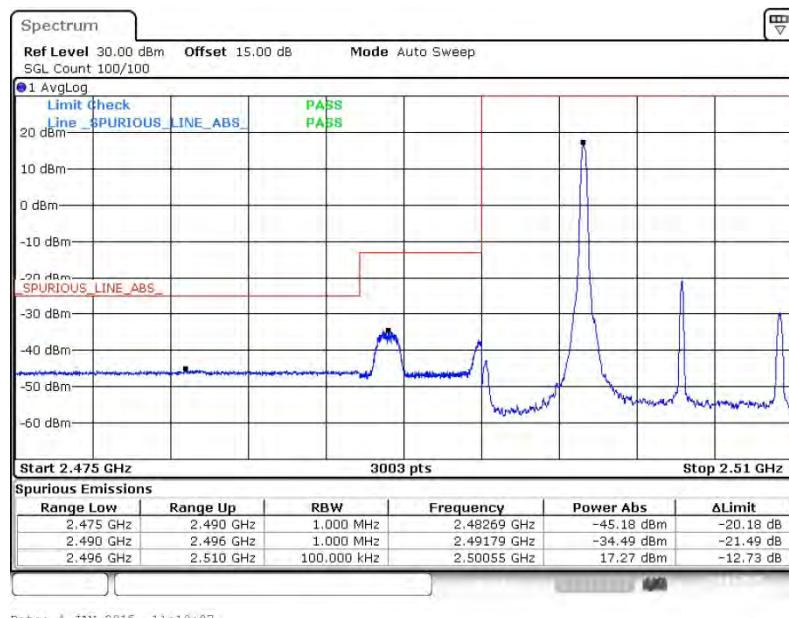
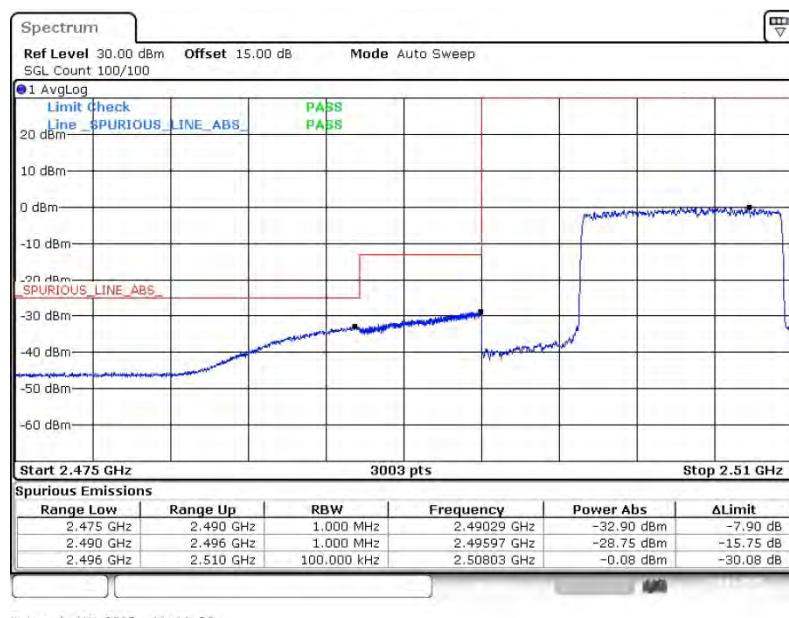


Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0



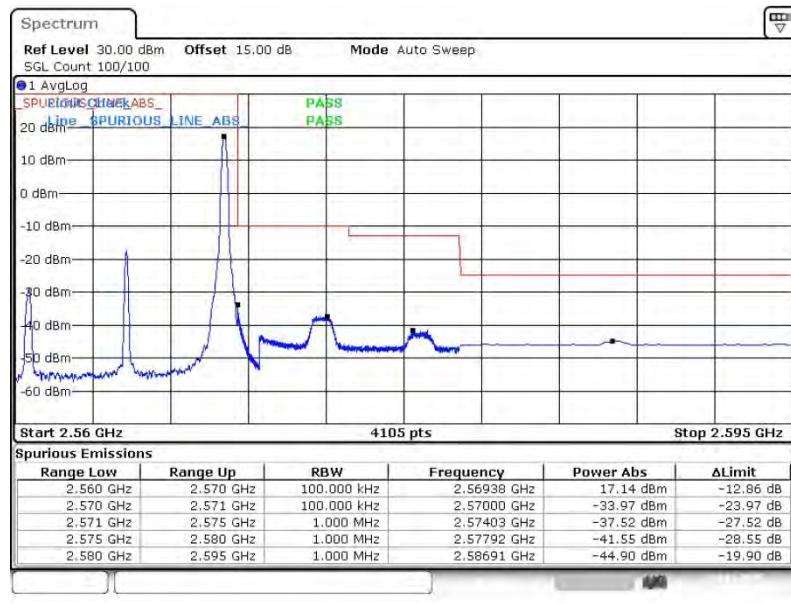


Band :	LTE Band 7	Band Width :	10MHz / 16QAM
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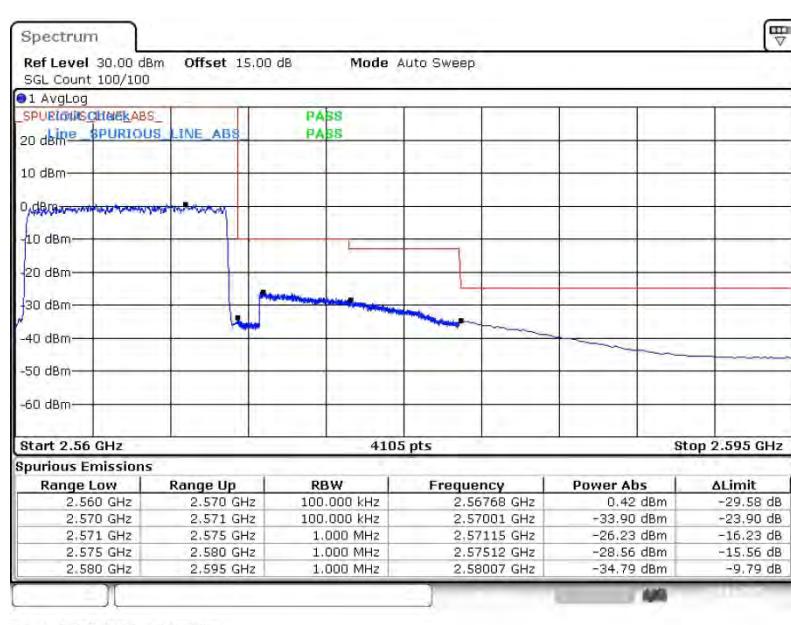
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0**



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

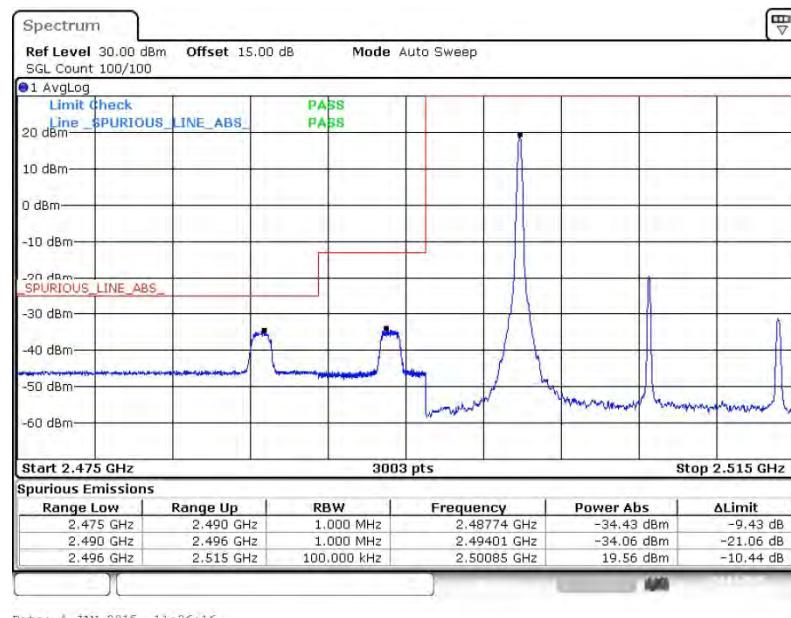
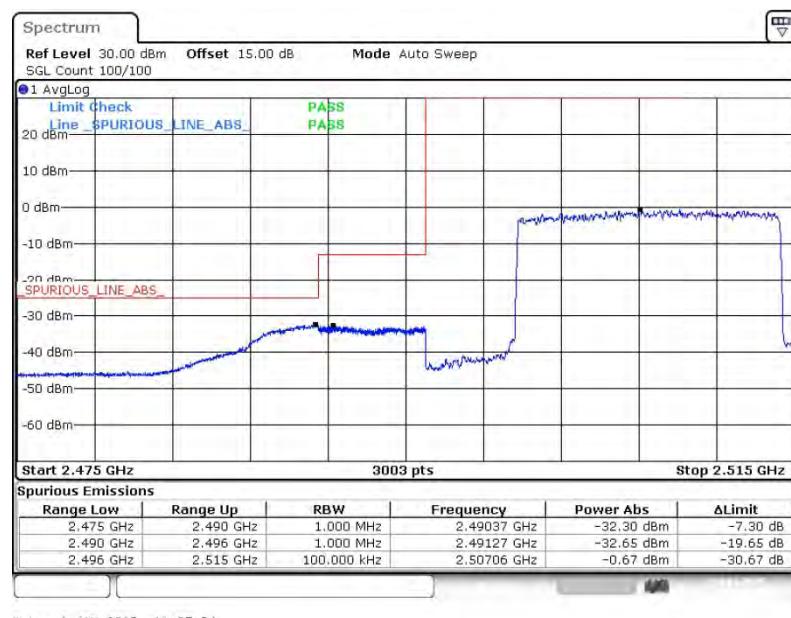


Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



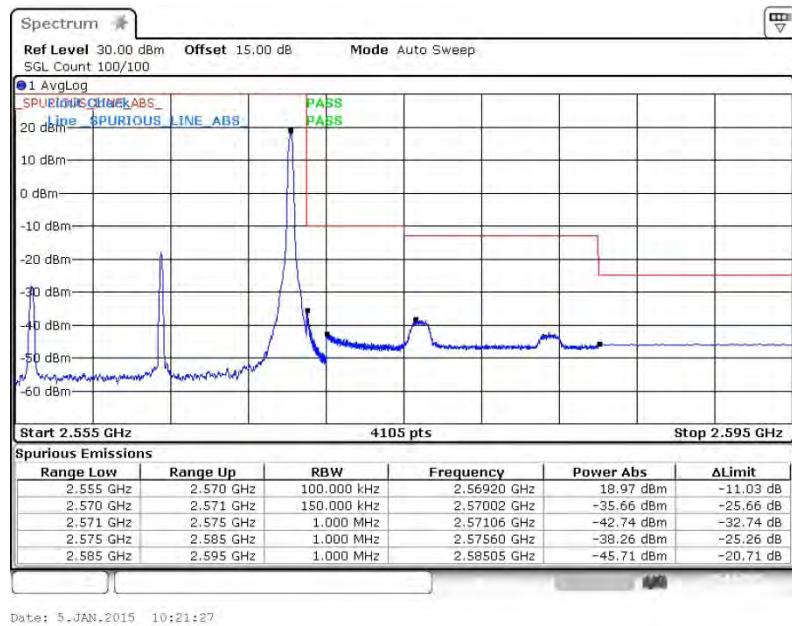


Band :	LTE Band 7	Band Width :	15MHz / QPSK
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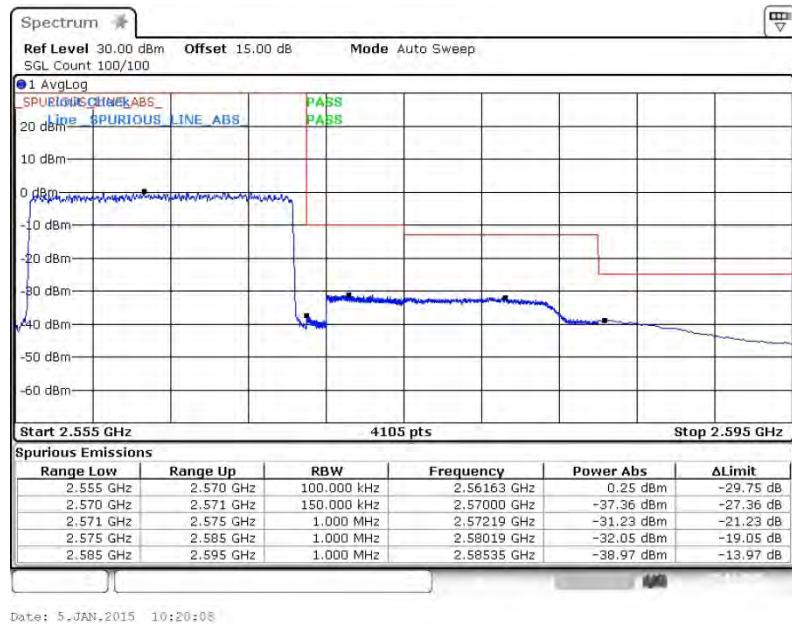
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0**



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

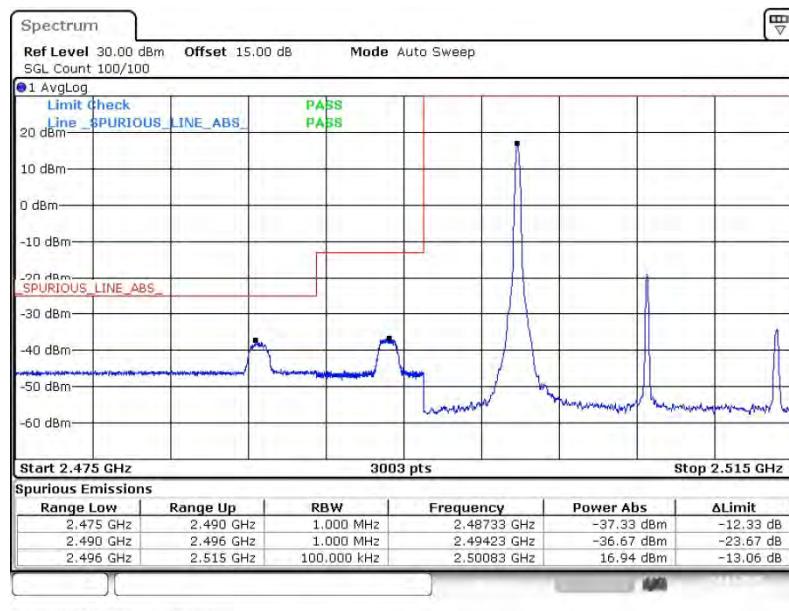
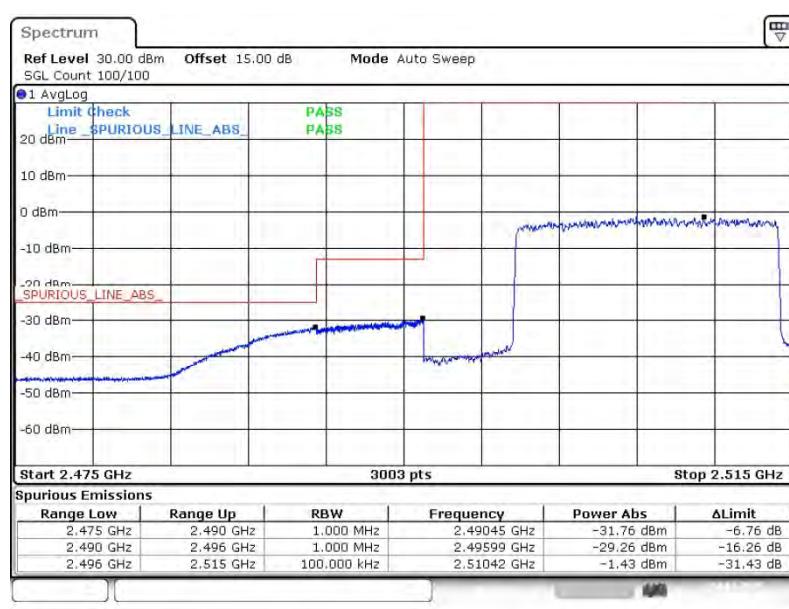


Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0



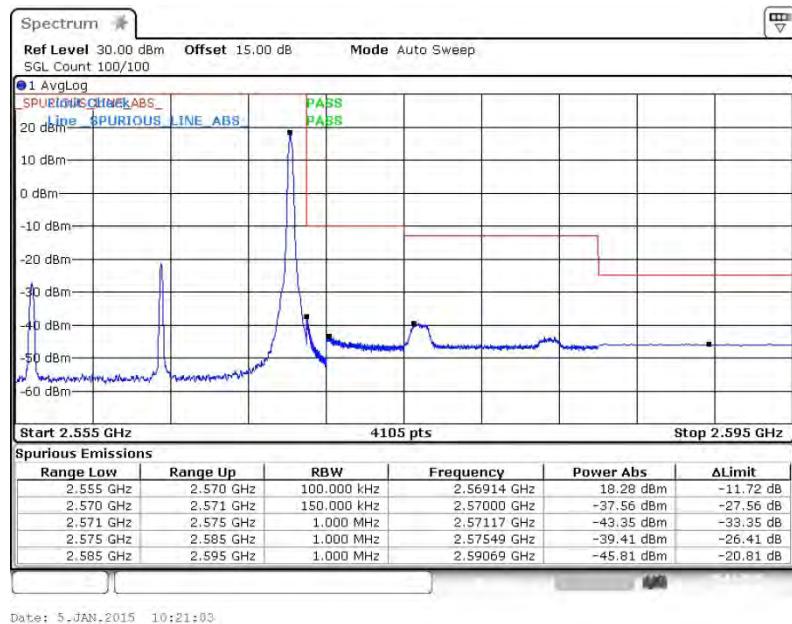


Band :	LTE Band 7	Band Width :	15MHz / 16QAM
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Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0**



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

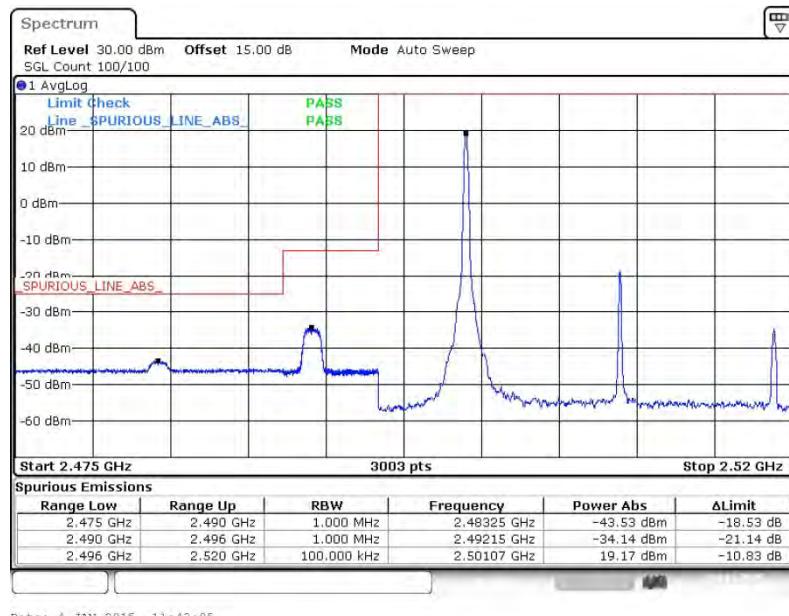
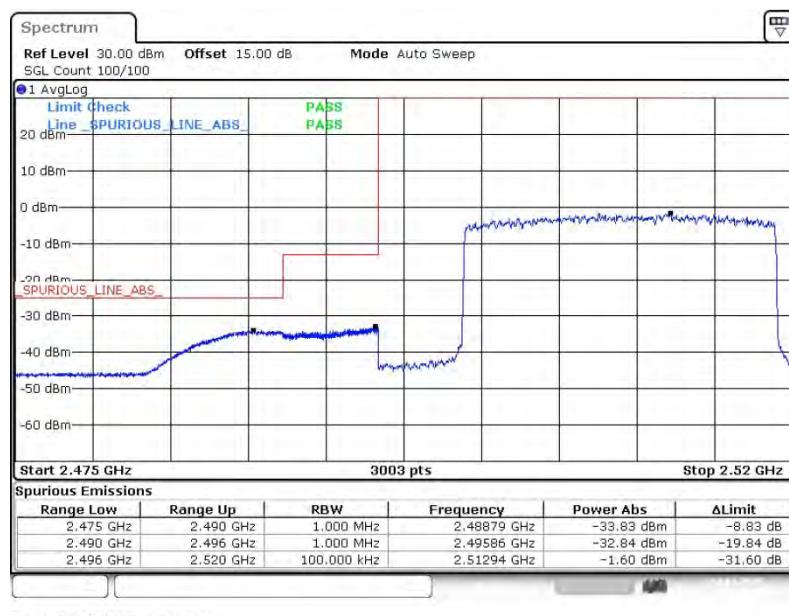


Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



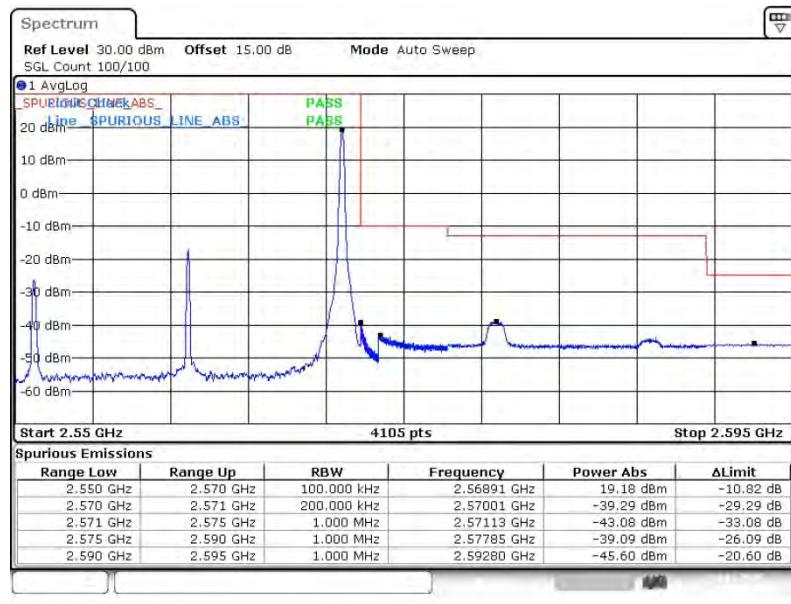


Band :	LTE Band 7	Band Width :	20MHz / QPSK
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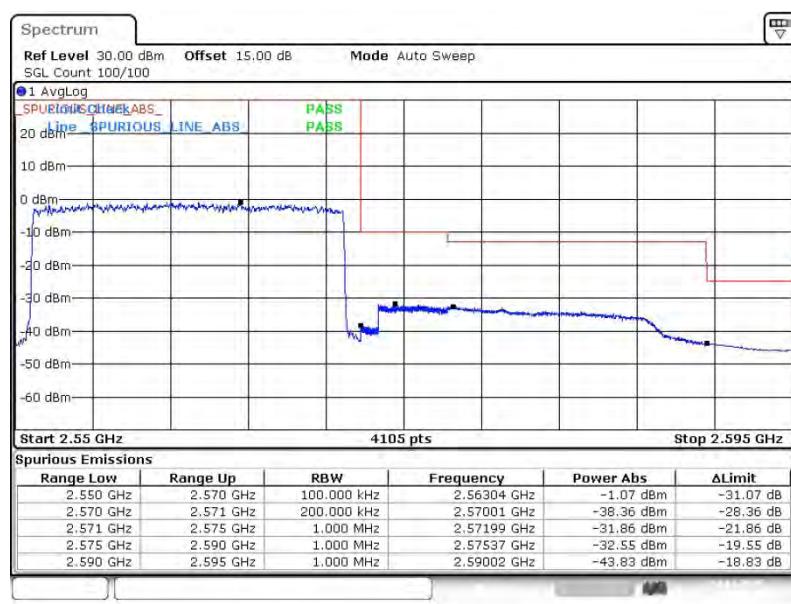
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0**



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

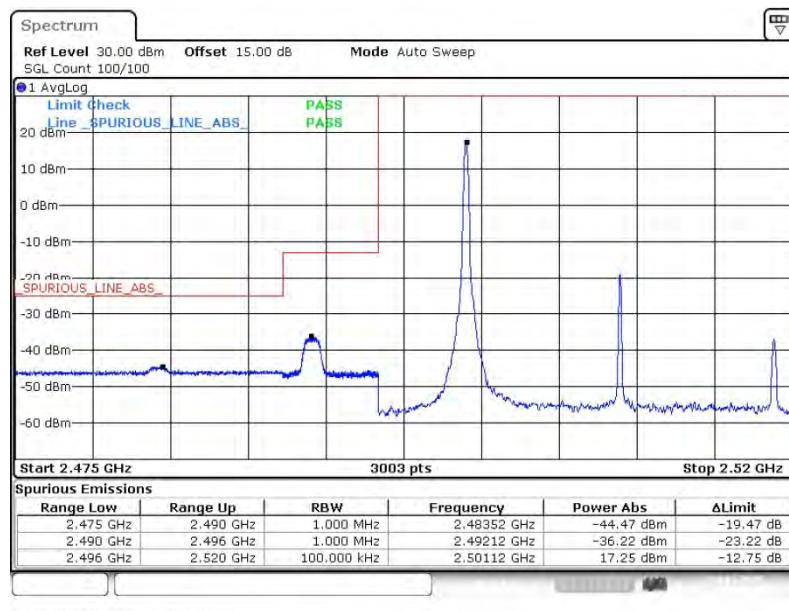
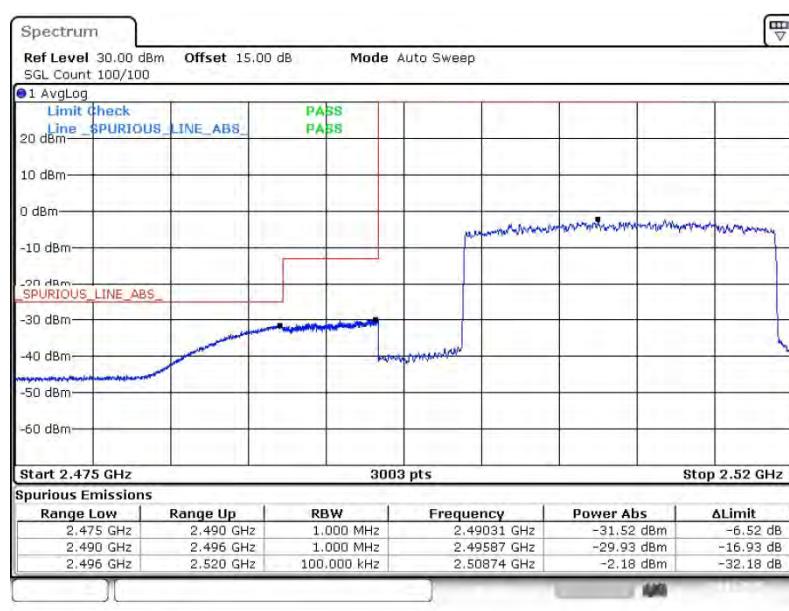


Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0



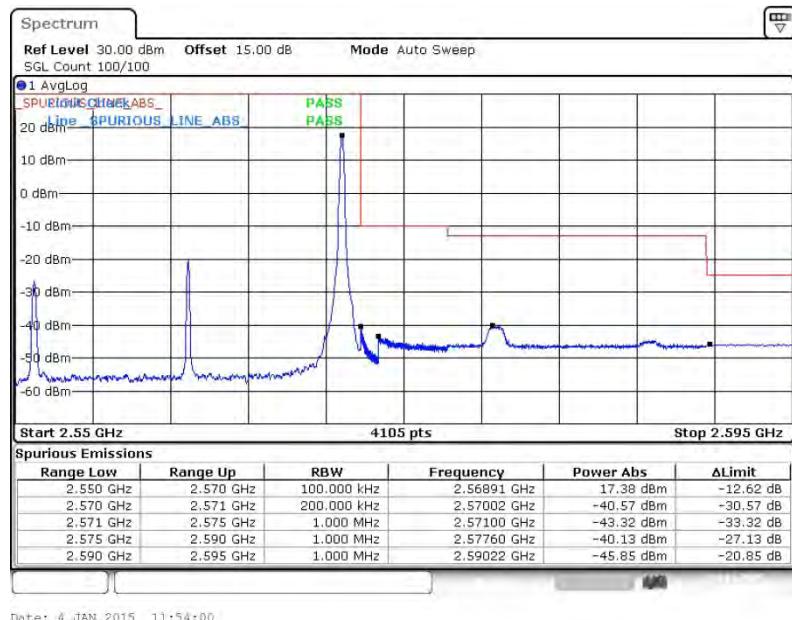


Band :	LTE Band 7	Band Width :	20MHz / 16QAM
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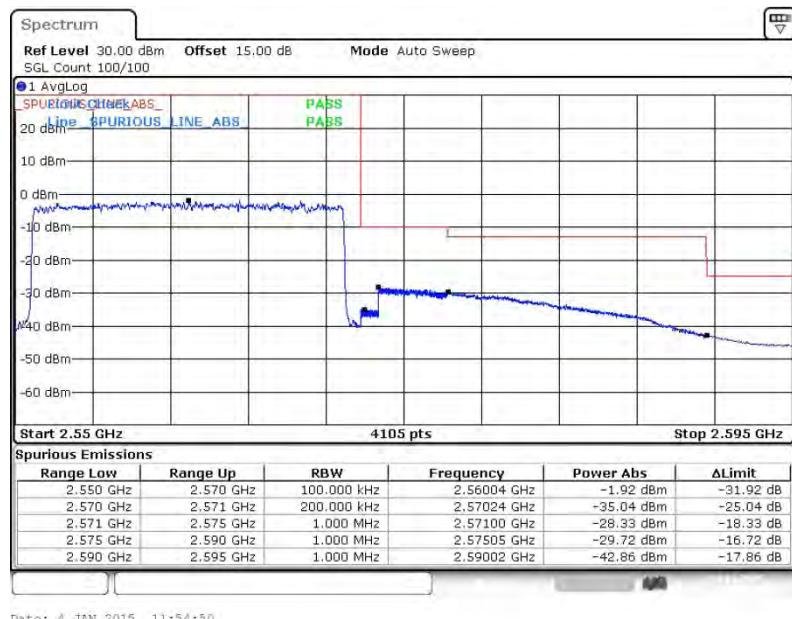
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0**



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

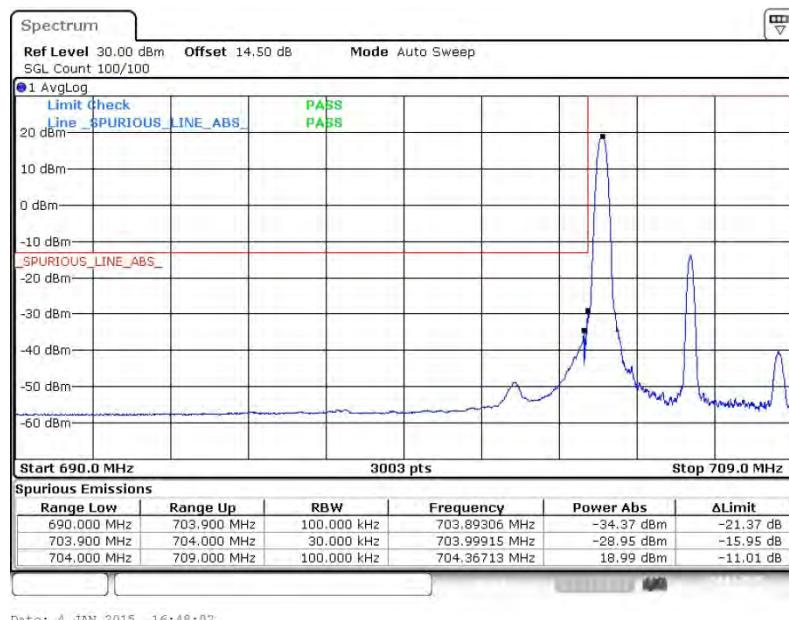
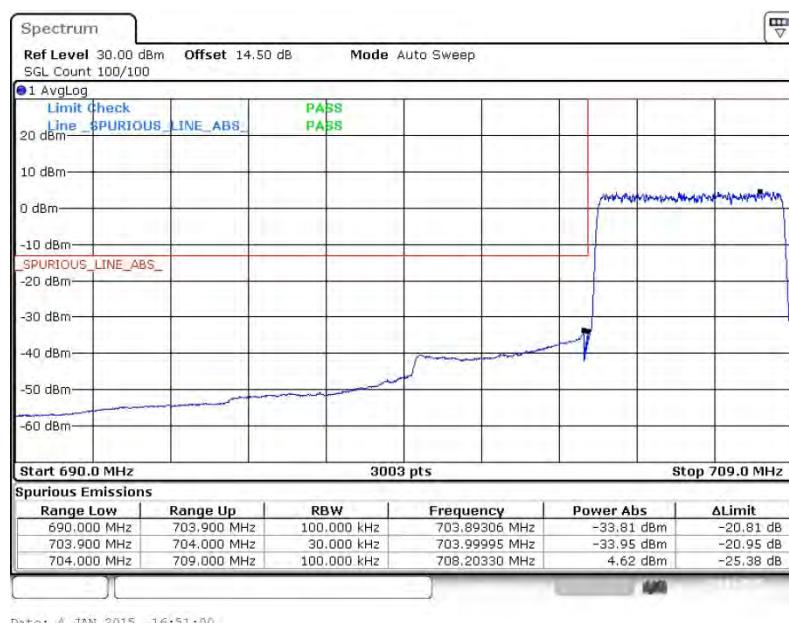


Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



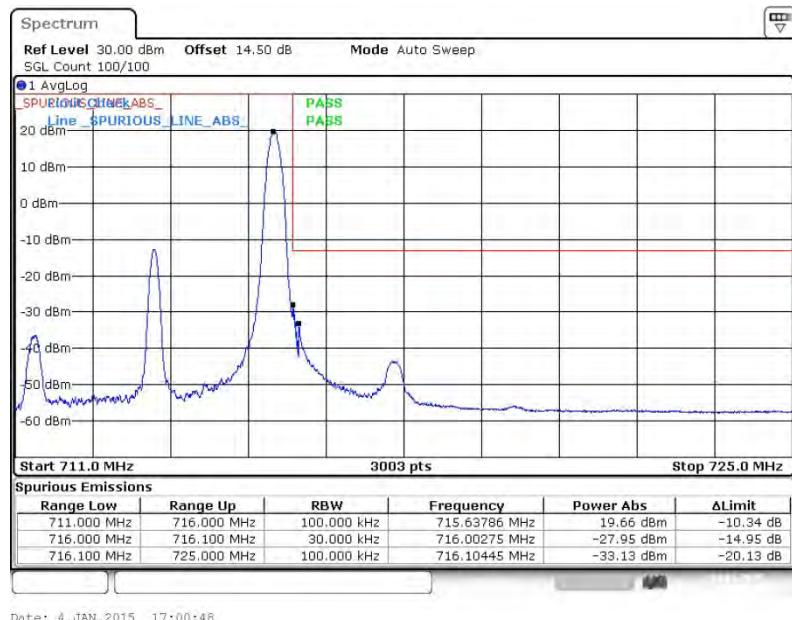


Band :	LTE Band 17	Band Width :	5MHz / QPSK
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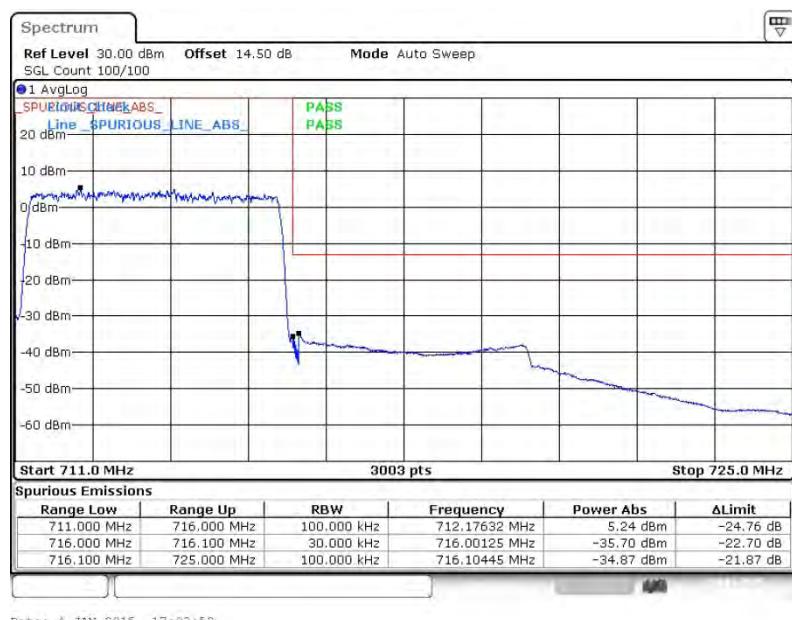
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0**



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

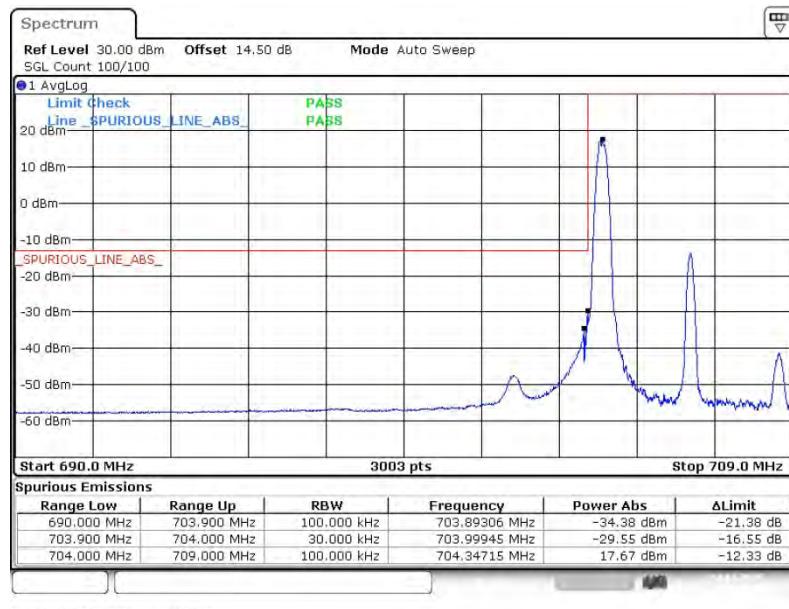
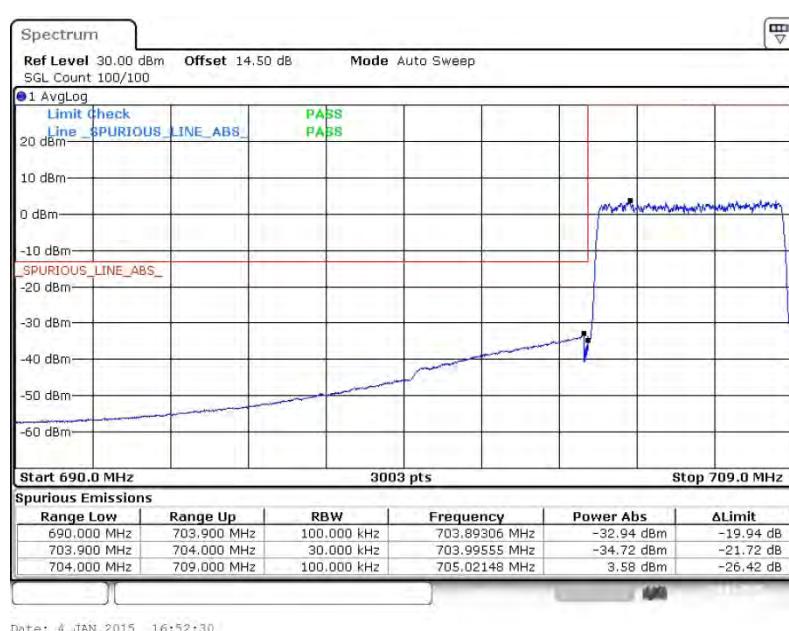


Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0



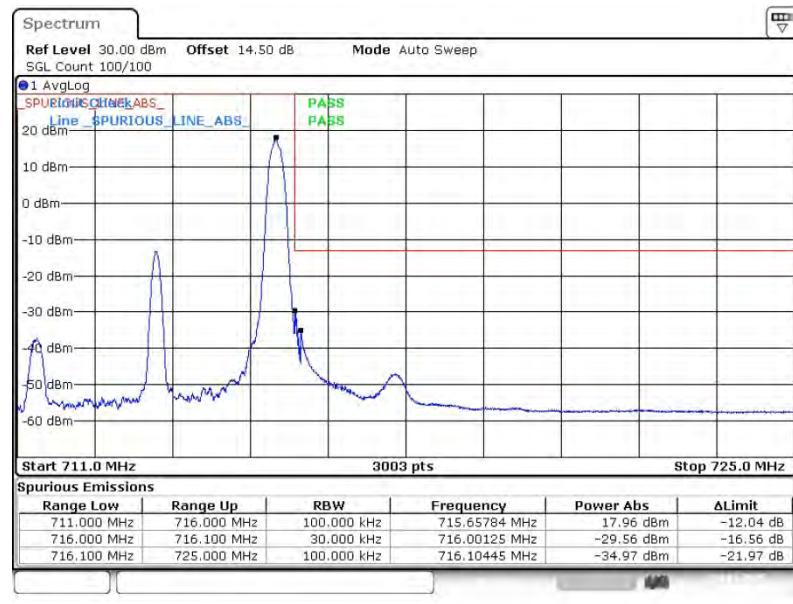


Band :	LTE Band 17	Band Width :	5MHz / 16QAM
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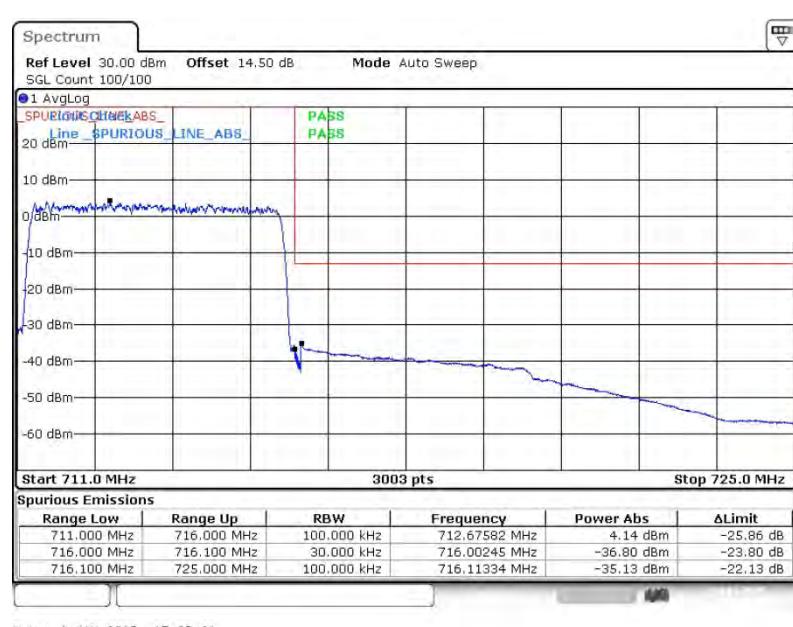
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0**



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

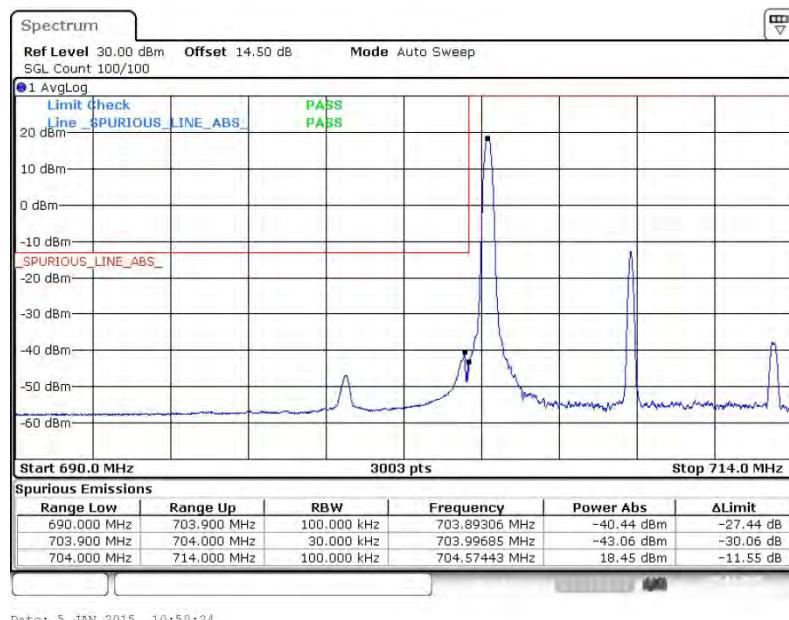
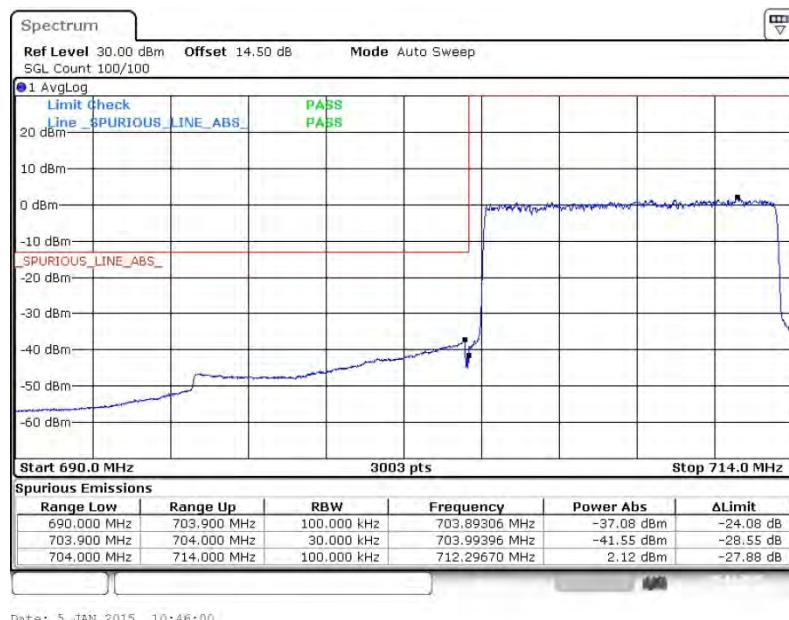


Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



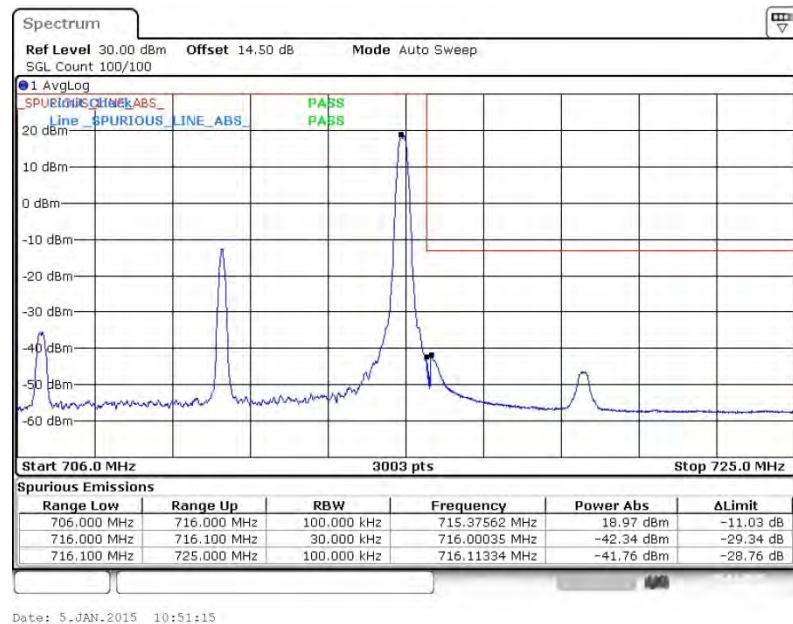


Band :	LTE Band 17	Band Width :	10MHz / QPSK
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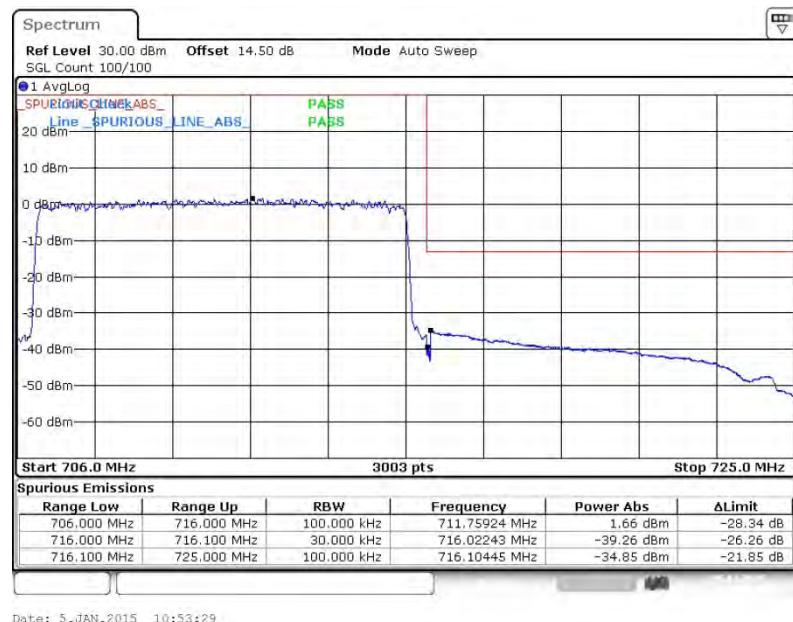
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0**Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0**



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

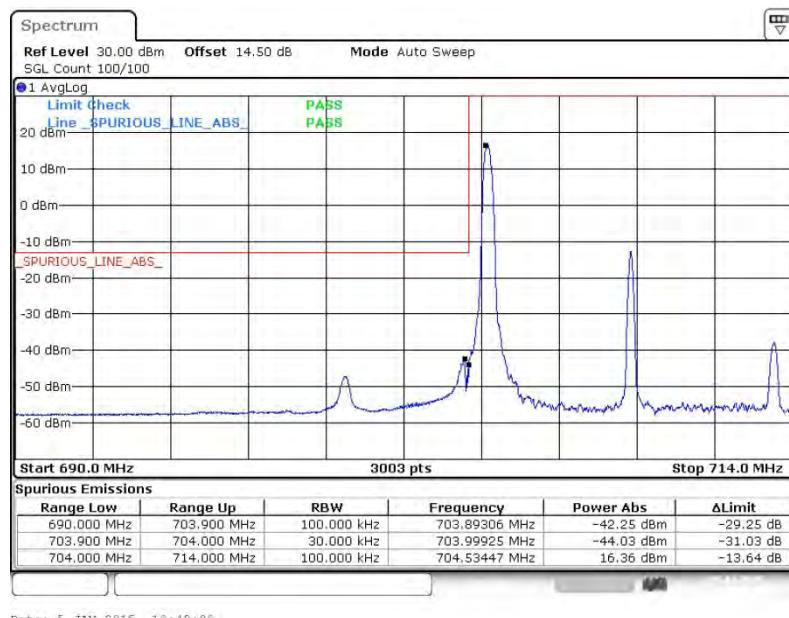
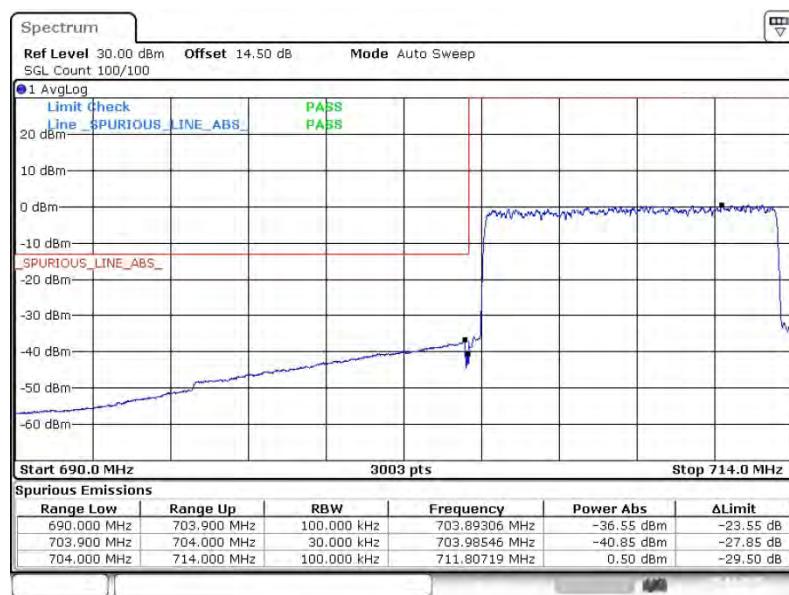


Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0



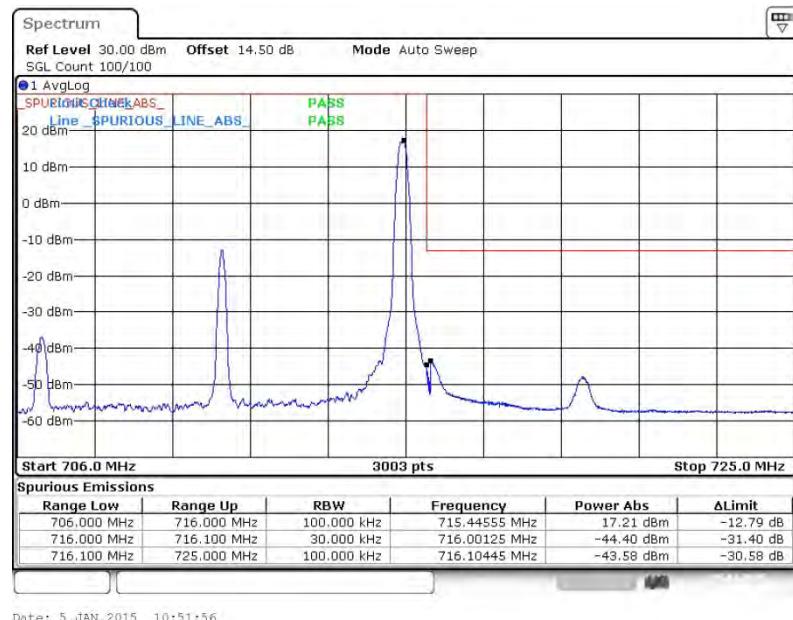


Band :	LTE Band 17	Band Width :	10MHz / 16QAM
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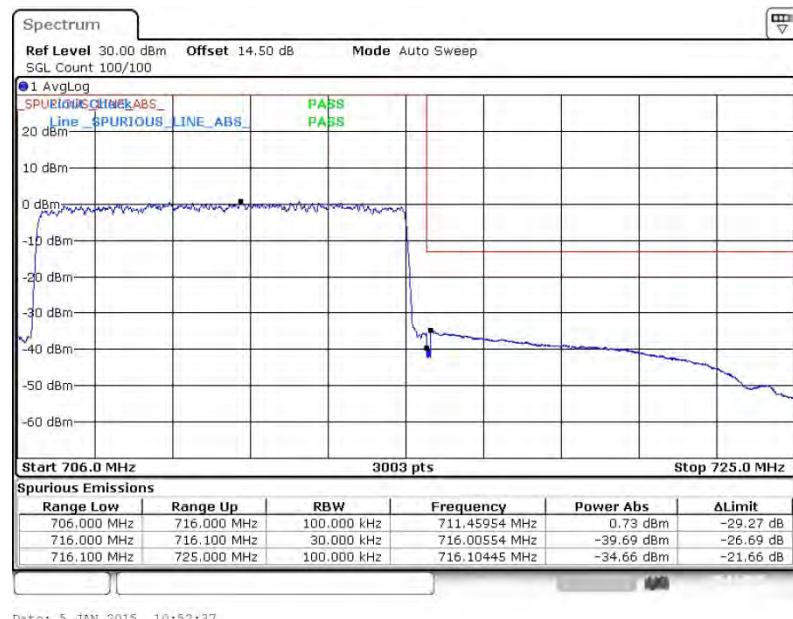
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0**Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0**



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



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





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

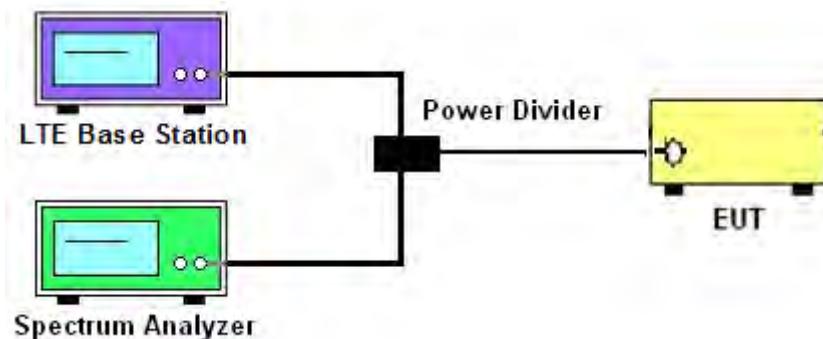
1. The EUT was connected to spectrum analyzer and LTE base station via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the 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)

$$\begin{aligned} &= P(W) - [55 + 10\log(P)] \text{ (dB)} \\ &= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)} \\ &= -25 \text{ dBm.} \end{aligned}$$

3.6.4 Test Setup

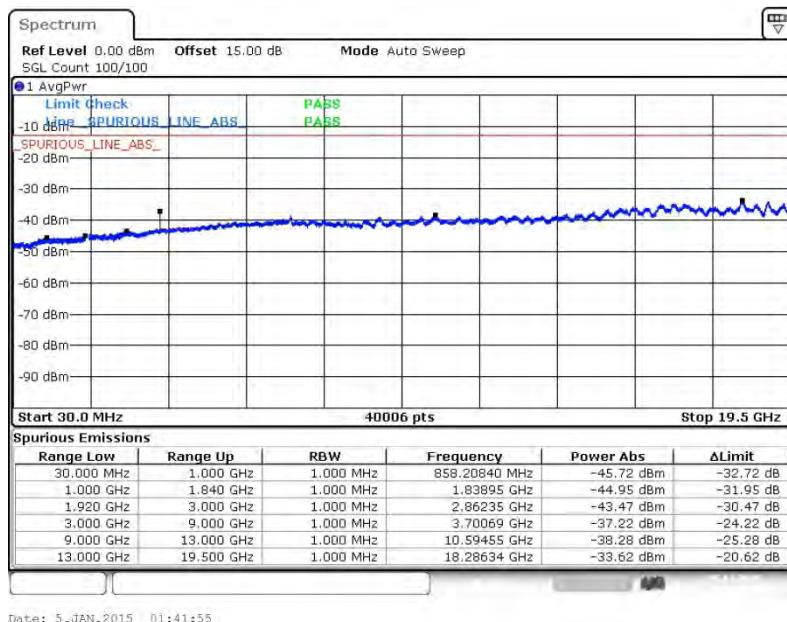




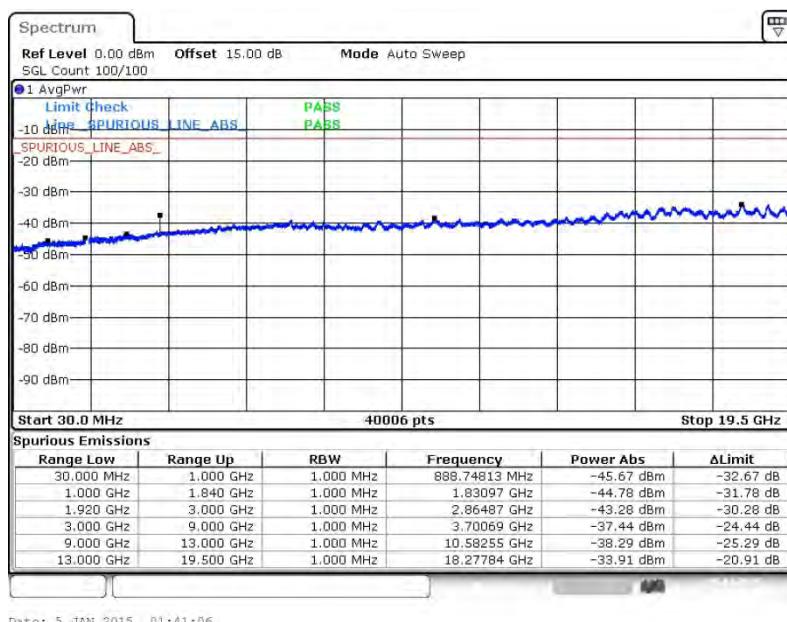
3.6.5 Test Result (Plots) of Conducted Spurious Emission

Band :	LTE Band 2	Channel :	CH18607 (Low)
Band Width :	1.4MHz		

QPSK (RB Size 3, RB Offset 0)



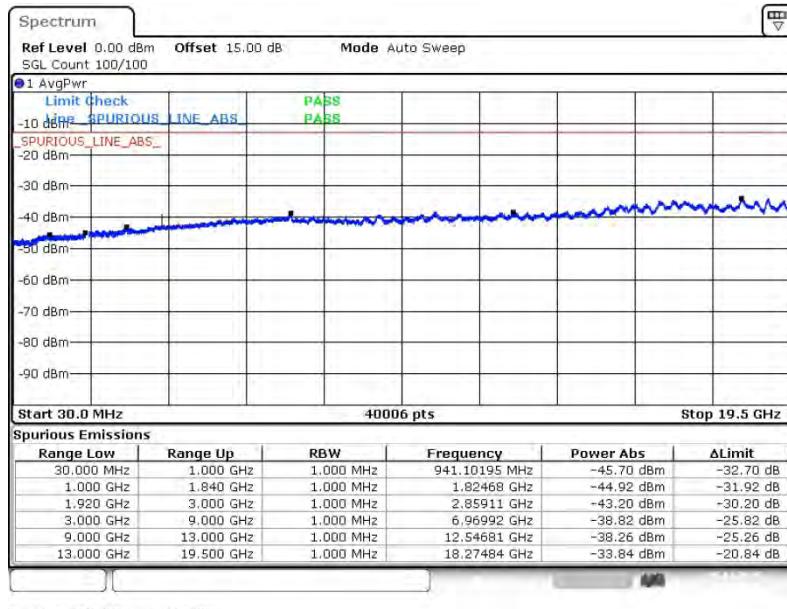
16QAM (RB Size 3, RB Offset 0)



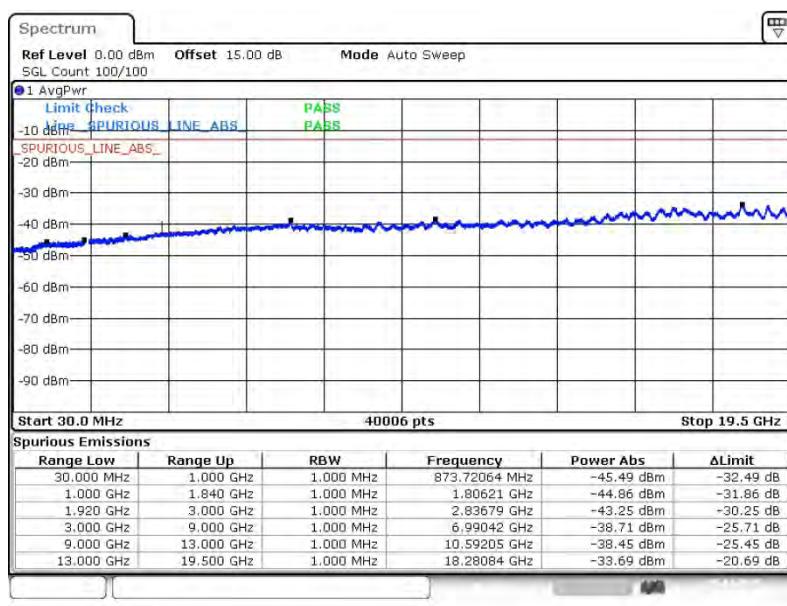


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 3, RB Offset 0)



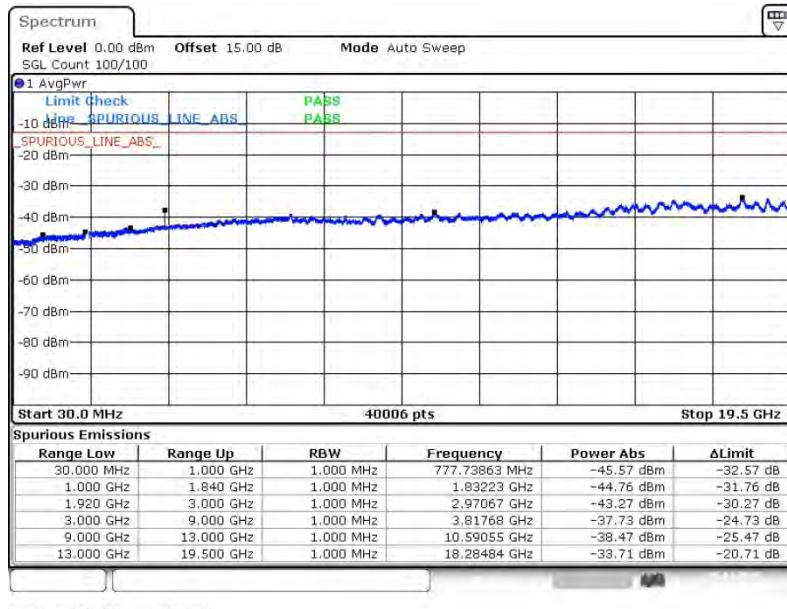
16QAM (RB Size 3, RB Offset 0)



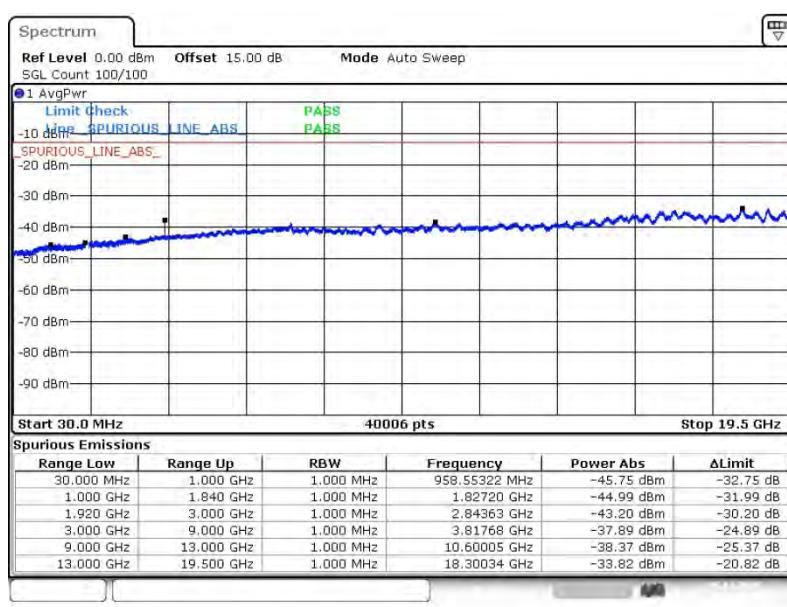


Band :	LTE Band 2	Channel :	CH19193 (High)
Band Width :	1.4MHz		

QPSK (RB Size 3, RB Offset 0)



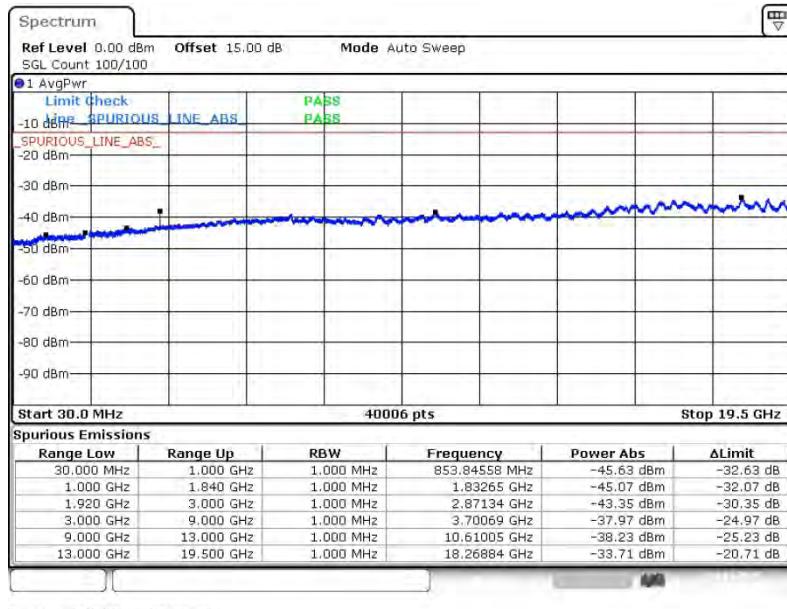
16QAM (RB Size 3, RB Offset 0)



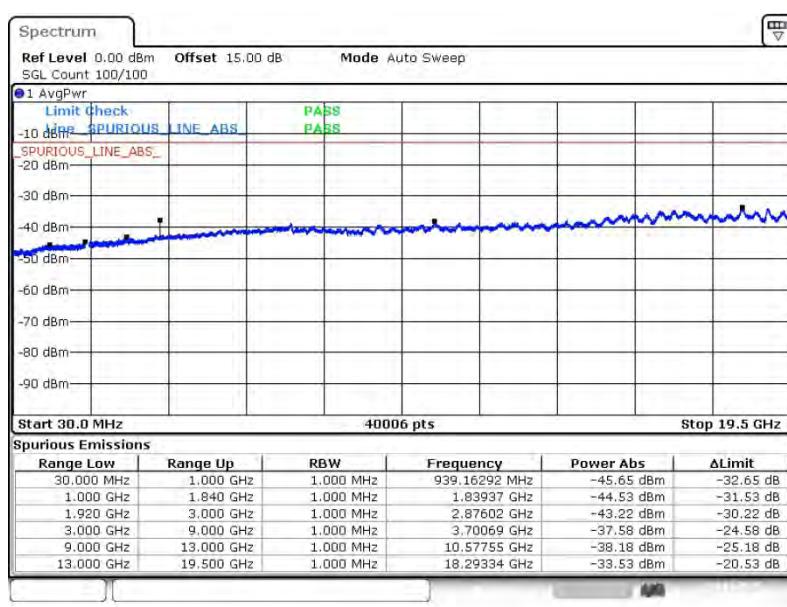


Band :	LTE Band 2	Channel :	CH18615 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)



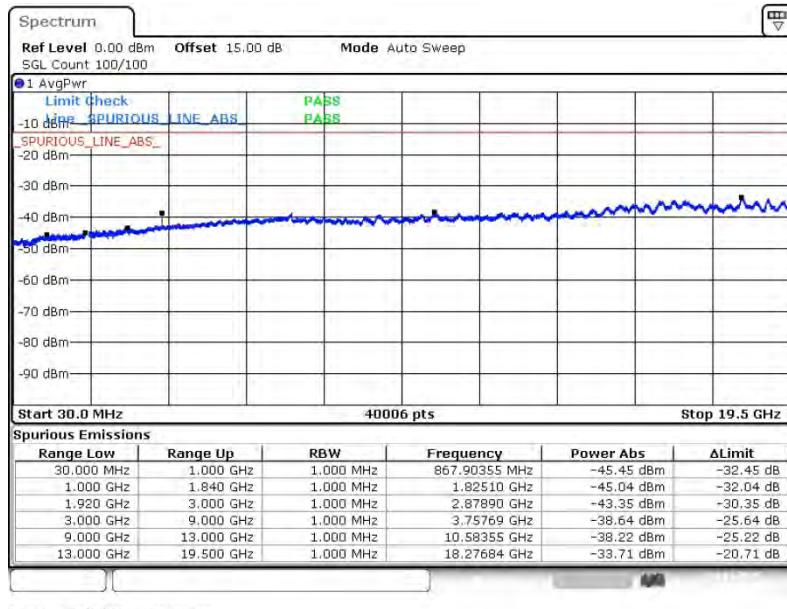
16QAM (RB Size 1, RB Offset 0)



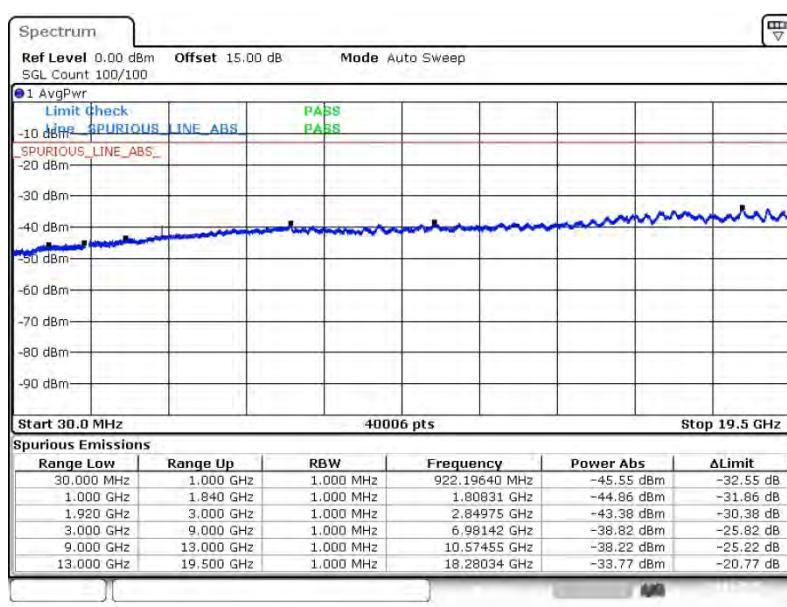


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)



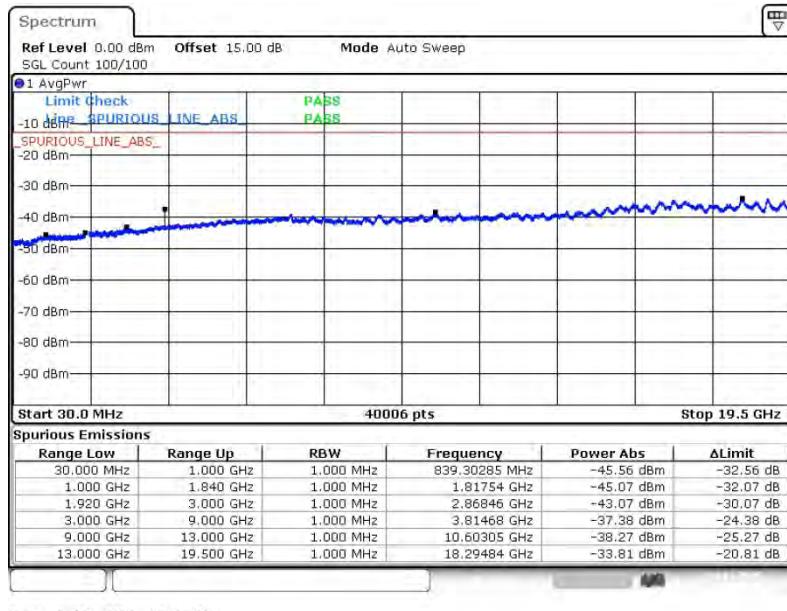
16QAM (RB Size 1, RB Offset 0)



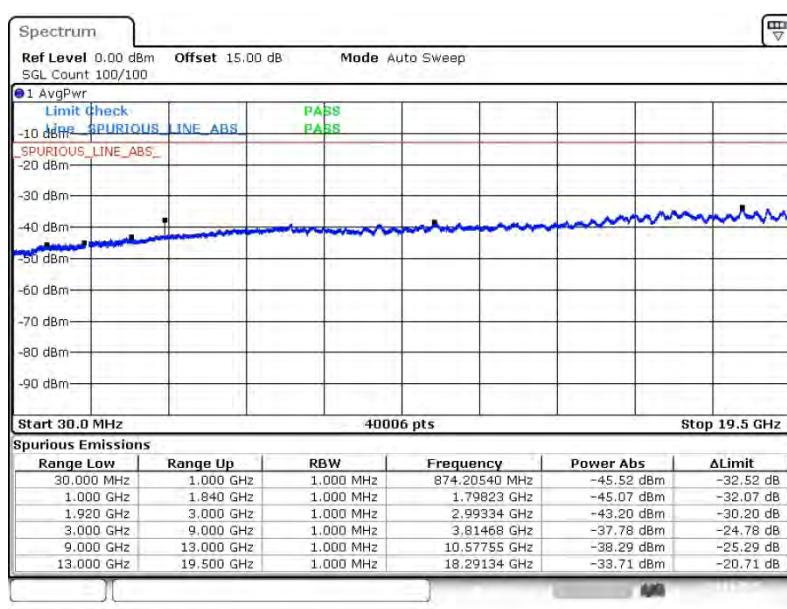


Band :	LTE Band 2	Channel :	CH19185 (High)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)



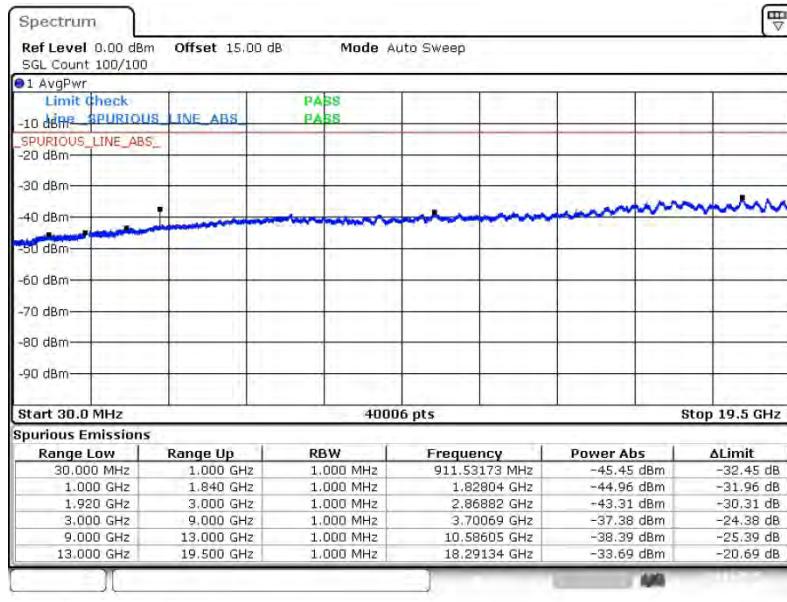
16QAM (RB Size 1, RB Offset 0)



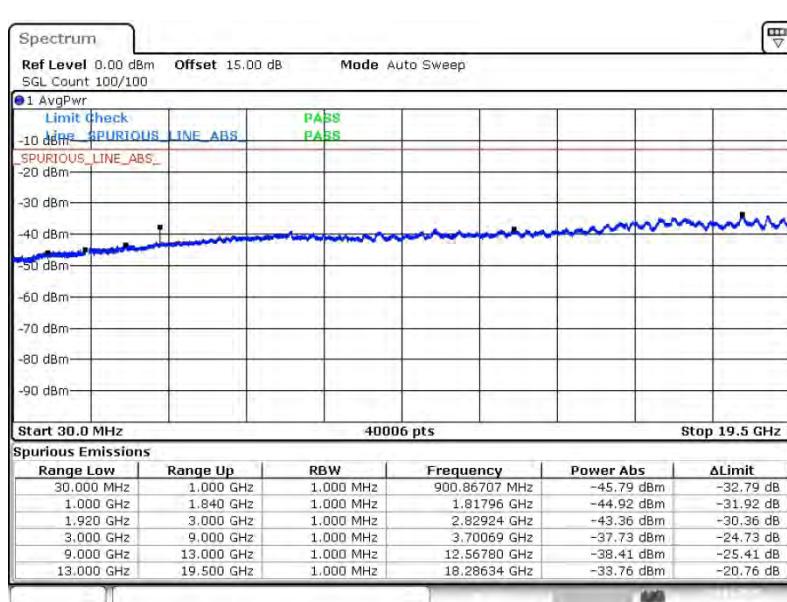


Band :	LTE Band 2	Channel :	CH18625 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



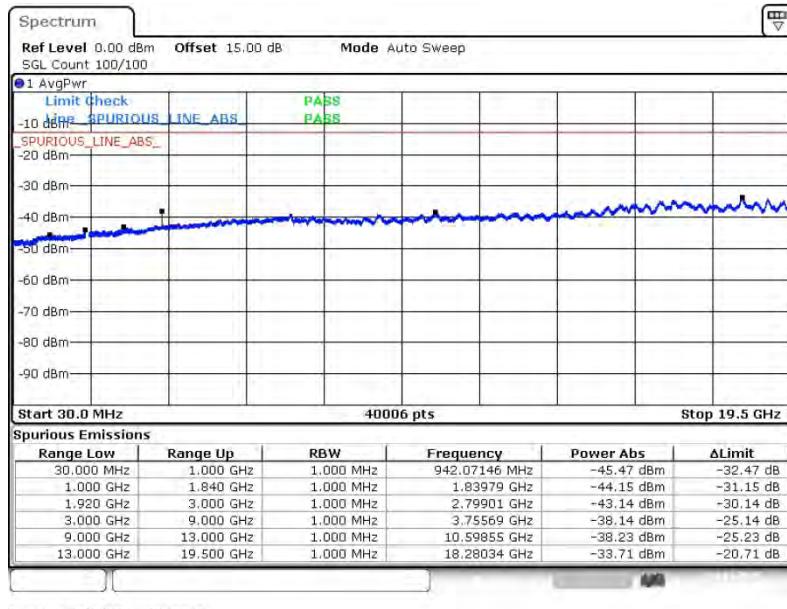
16QAM (RB Size 1, RB Offset 0)



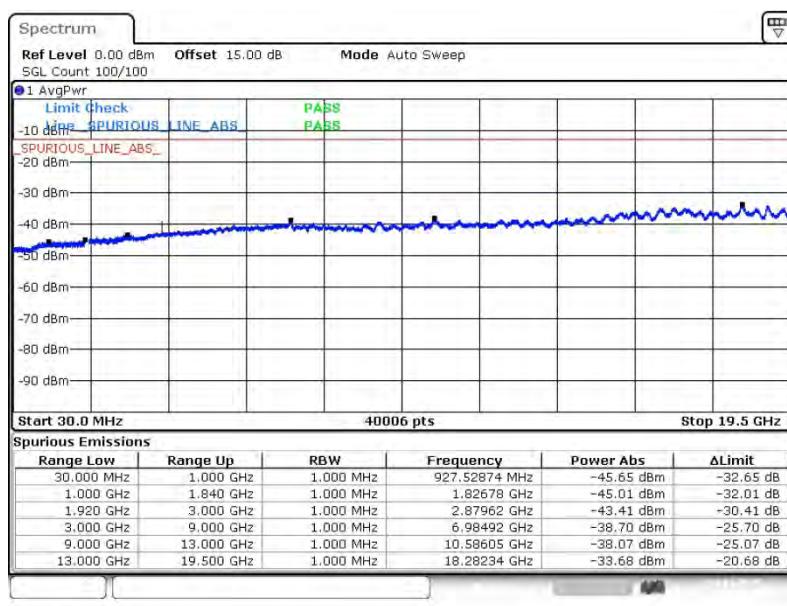


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



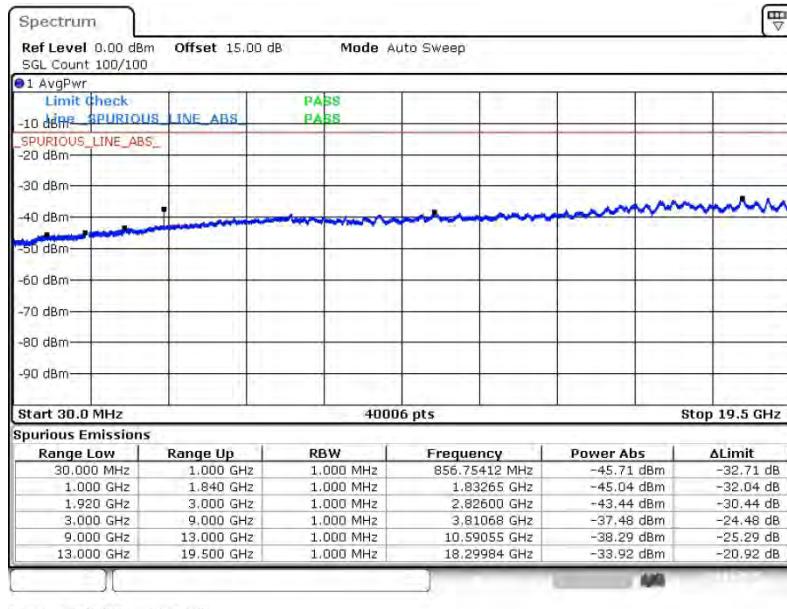
16QAM (RB Size 1, RB Offset 0)



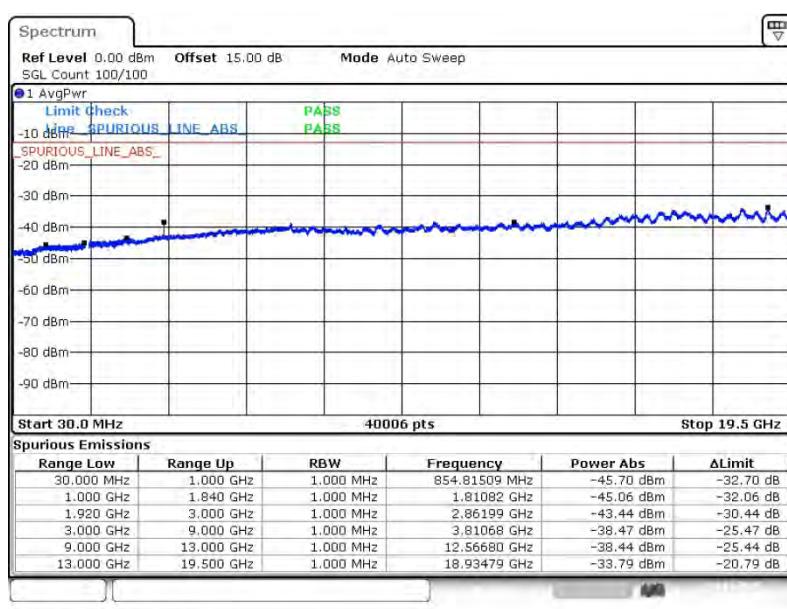


Band :	LTE Band 2	Channel :	CH19175 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



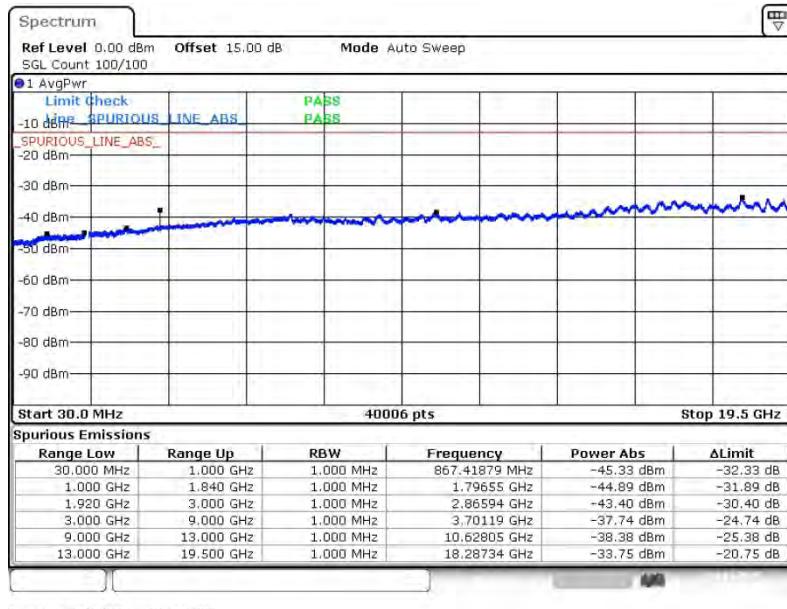
16QAM (RB Size 1, RB Offset 0)





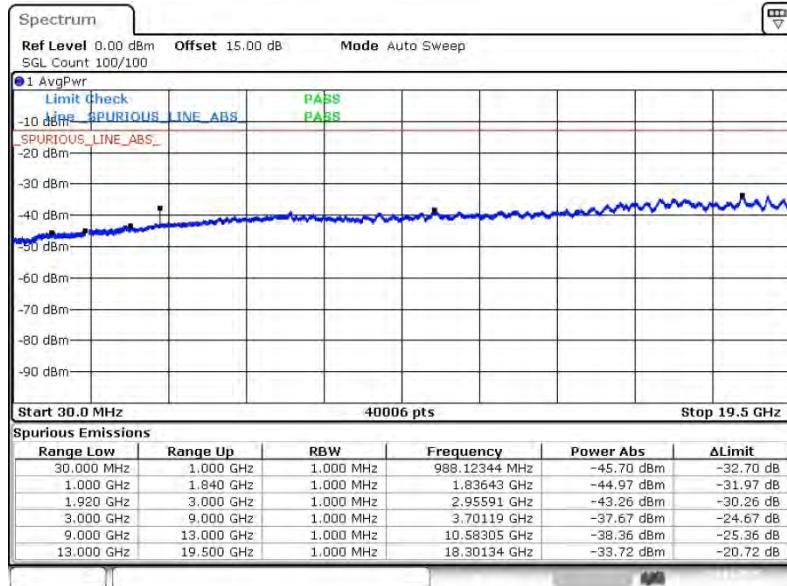
Band :	LTE Band 2	Channel :	CH18650 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 4.JAN.2015 21:16:21

16QAM (RB Size 1, RB Offset 0)

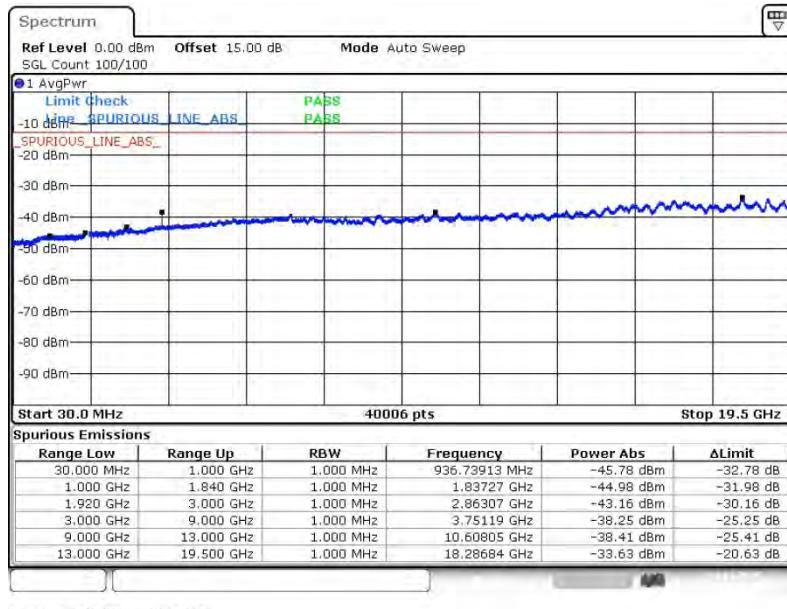


Date: 4.JAN.2015 21:17:41

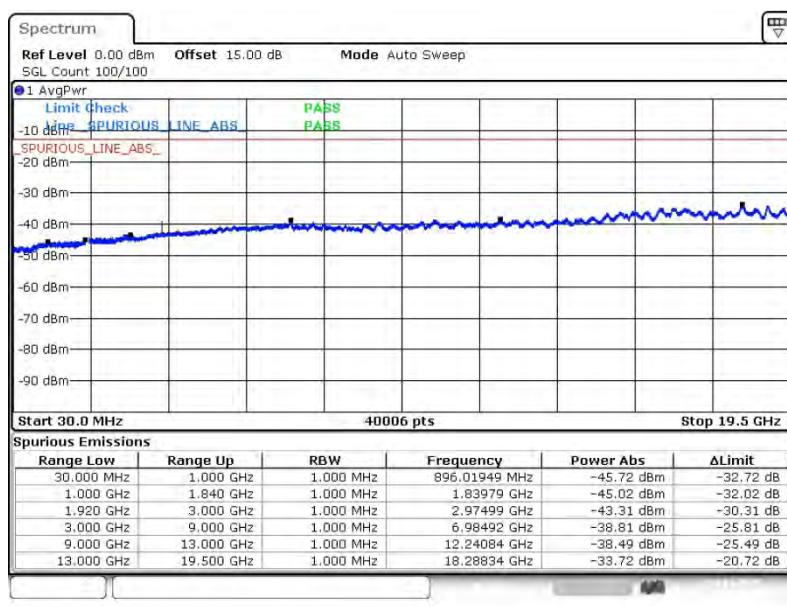


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



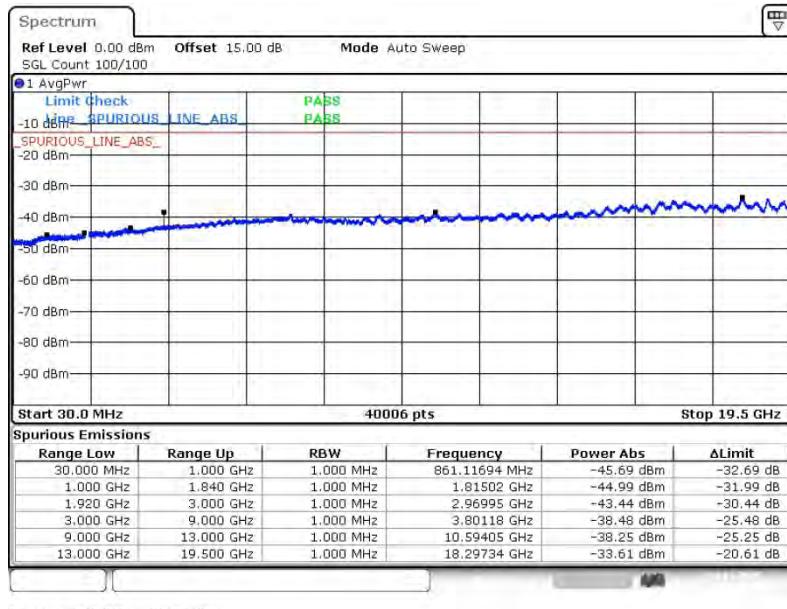
16QAM (RB Size 1, RB Offset 0)



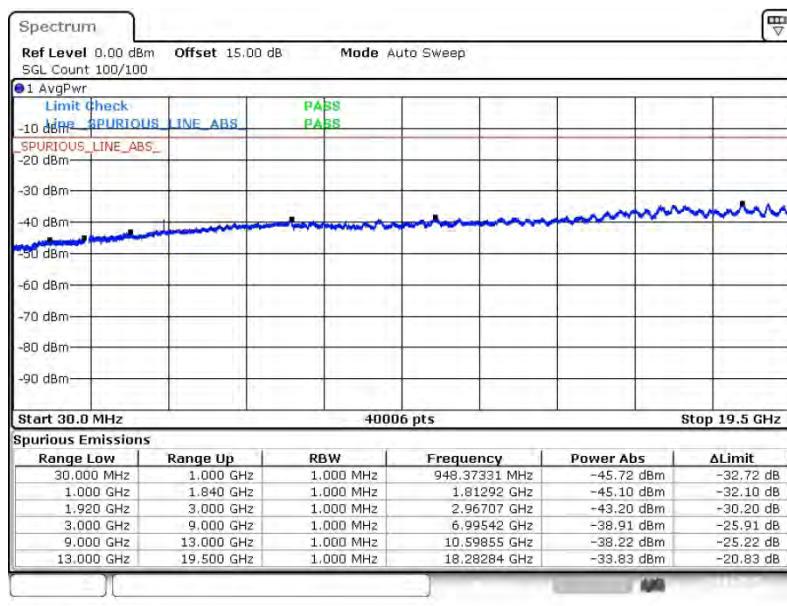


Band :	LTE Band 2	Channel :	CH19150 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



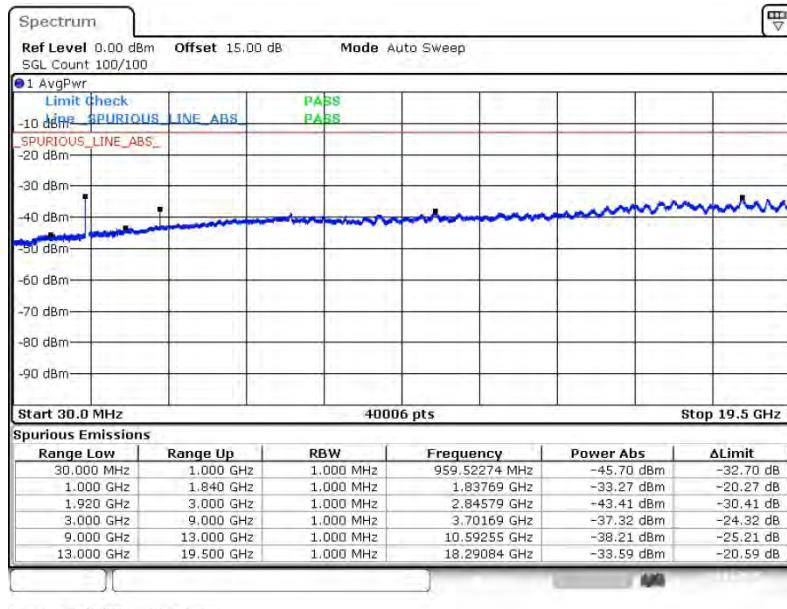
16QAM (RB Size 1, RB Offset 0)



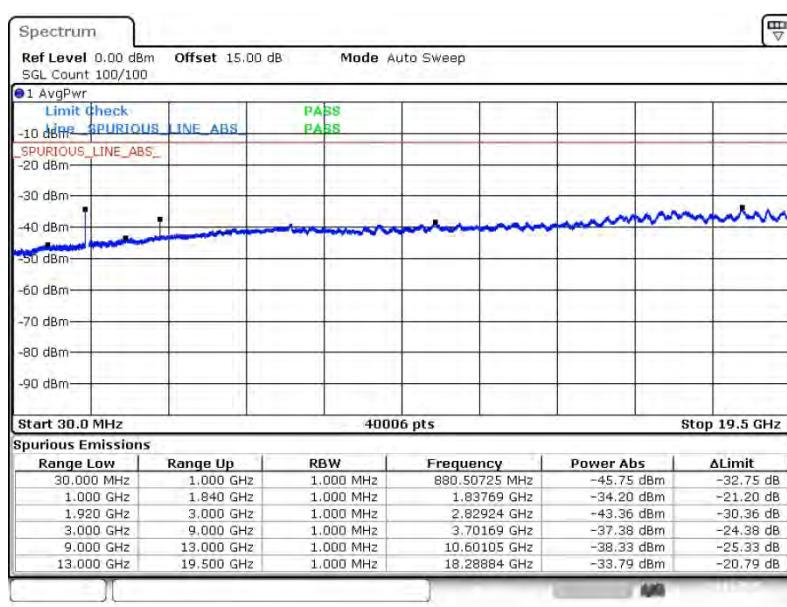


Band :	LTE Band 2	Channel :	CH18675 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



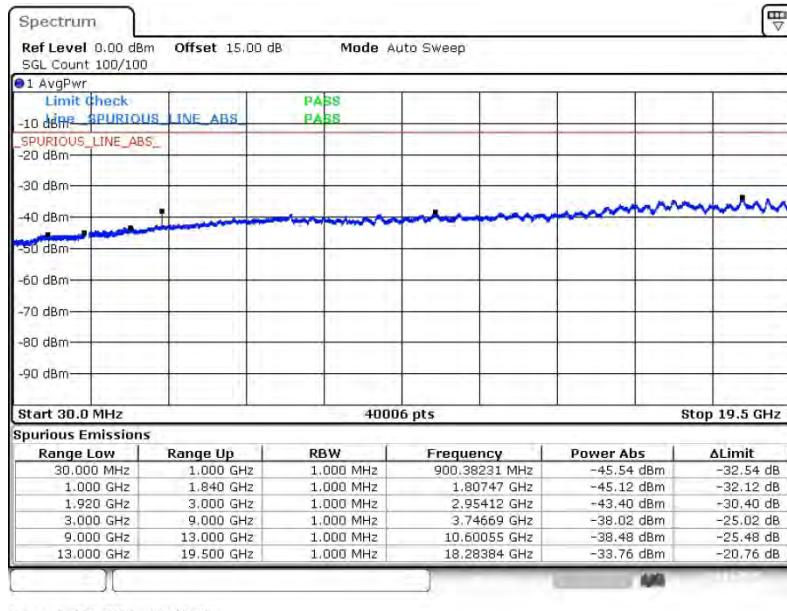
16QAM (RB Size 1, RB Offset 0)



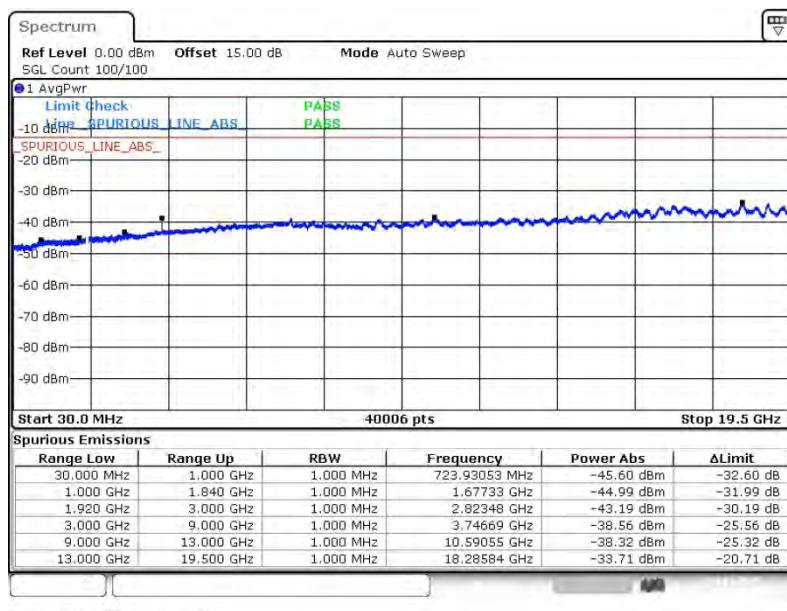


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



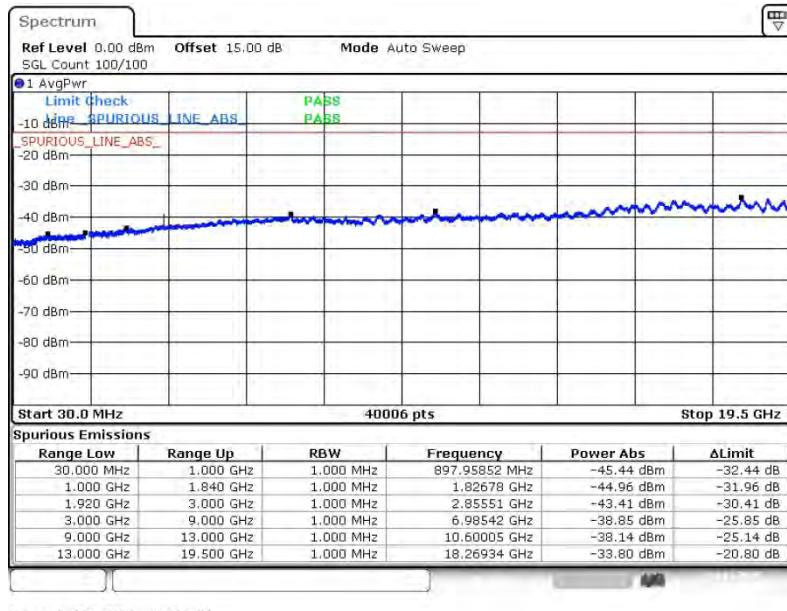
16QAM (RB Size 1, RB Offset 0)



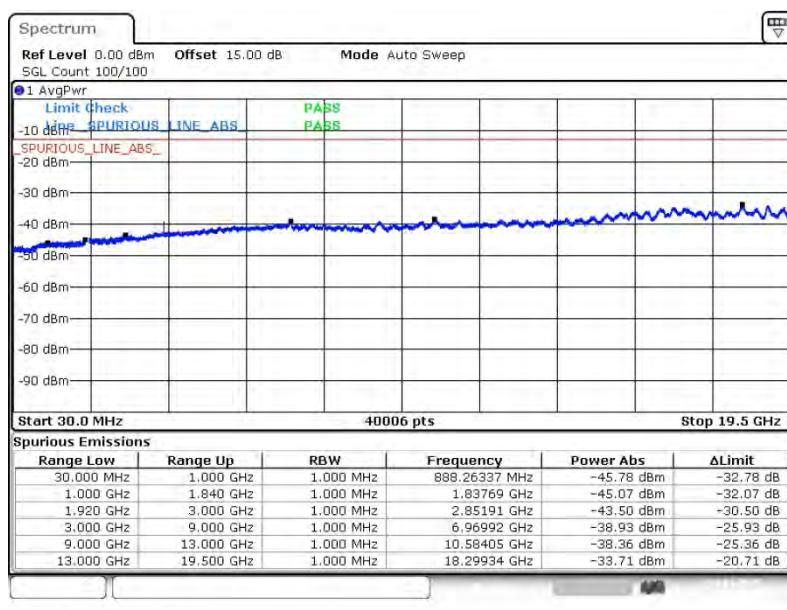


Band :	LTE Band 2	Channel :	CH19125 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

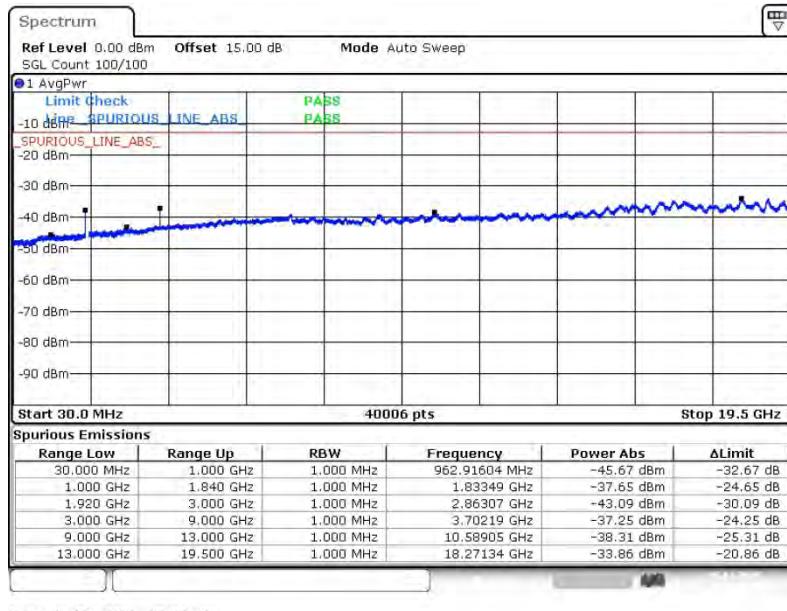
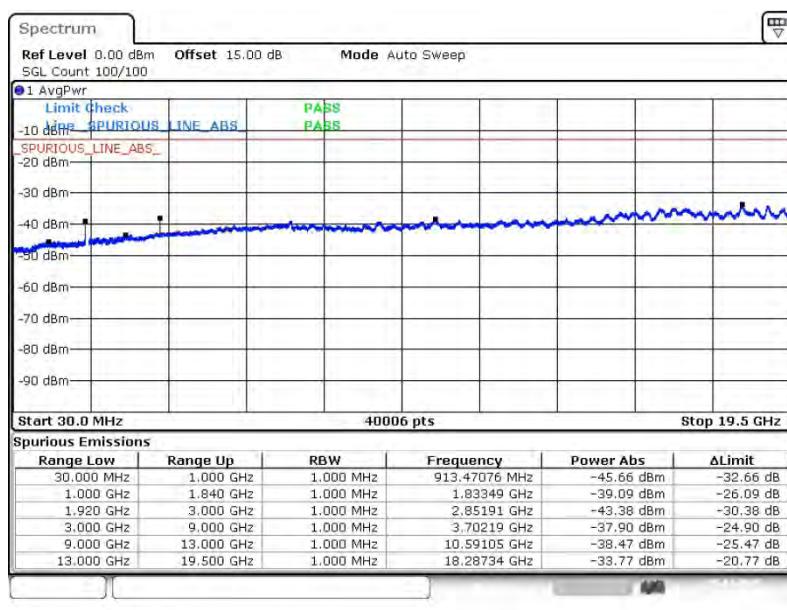


16QAM (RB Size 1, RB Offset 0)





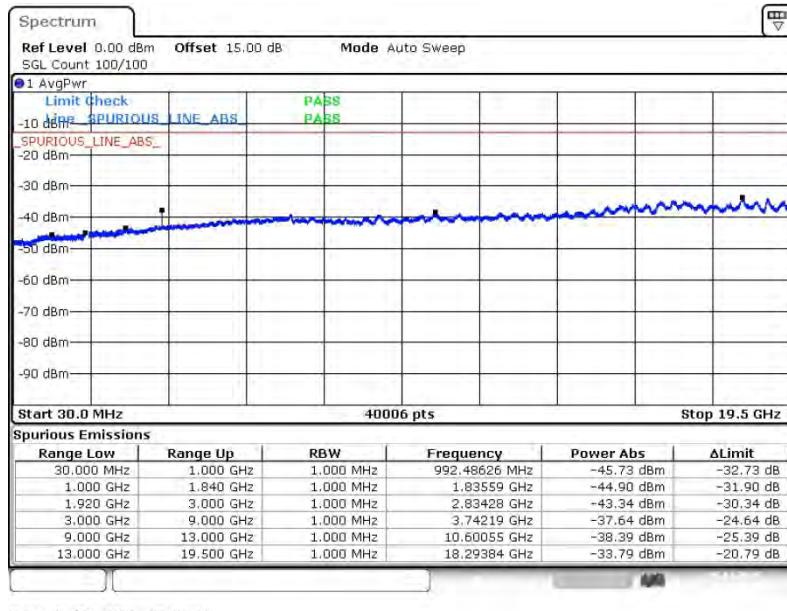
Band :	LTE Band 2	Channel :	CH18700 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 49)**16QAM (RB Size 1, RB Offset 49)**

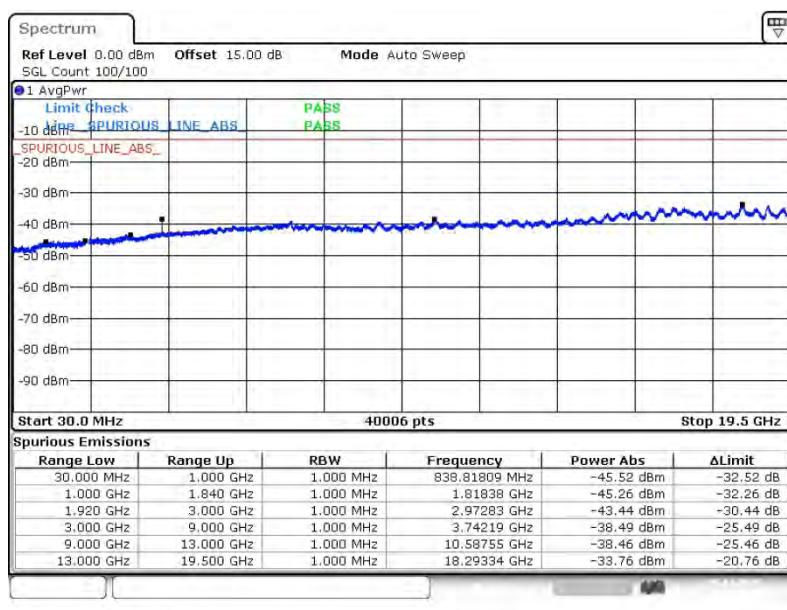


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 49)



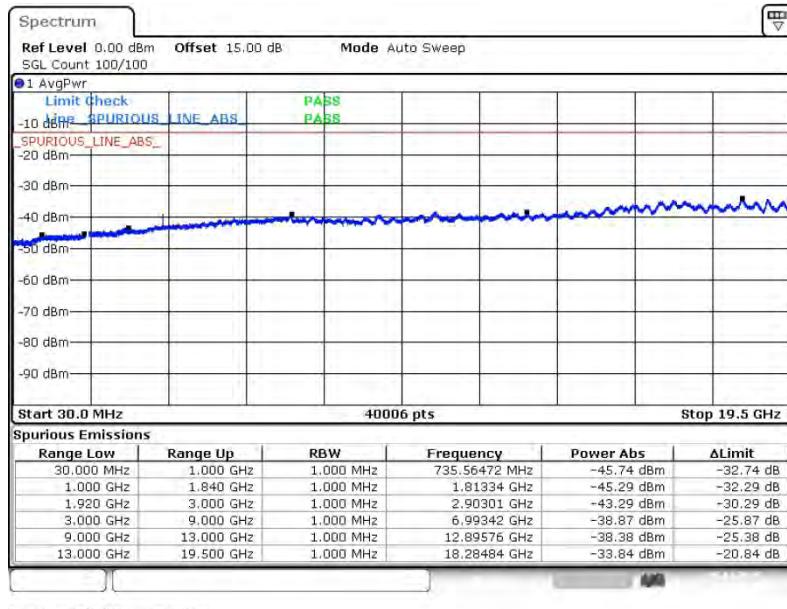
16QAM (RB Size 1, RB Offset 49)



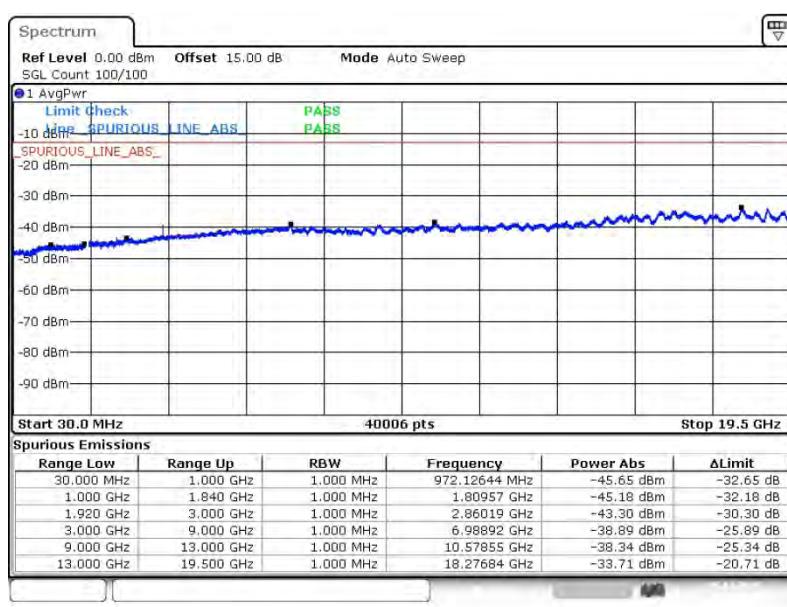


Band :	LTE Band 2	Channel :	CH19100 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 49)



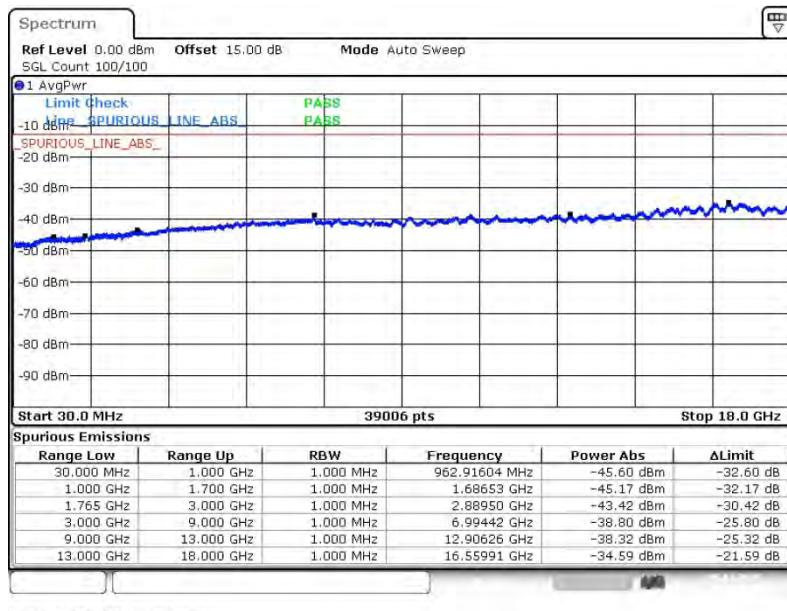
16QAM (RB Size 1, RB Offset 49)



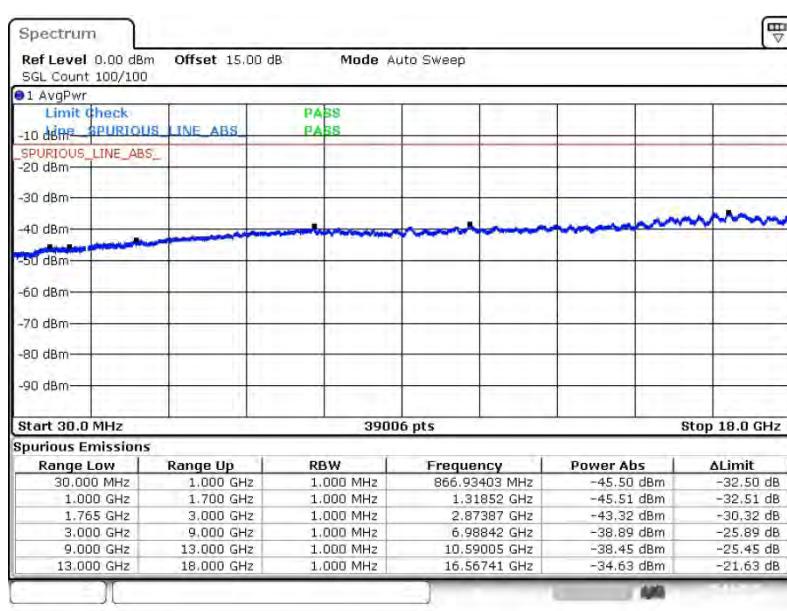


Band :	LTE Band 4	Channel :	CH19957 (Low)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 2)



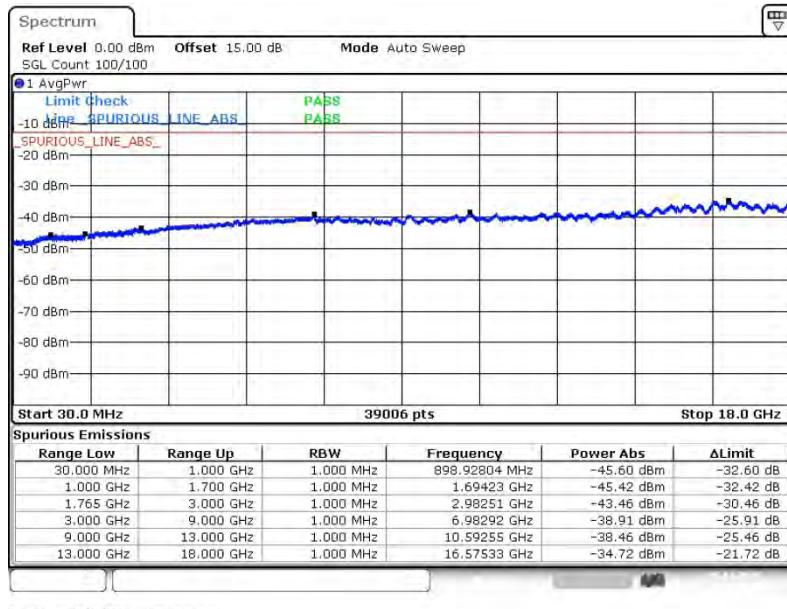
16QAM (RB Size 1, RB Offset 0)



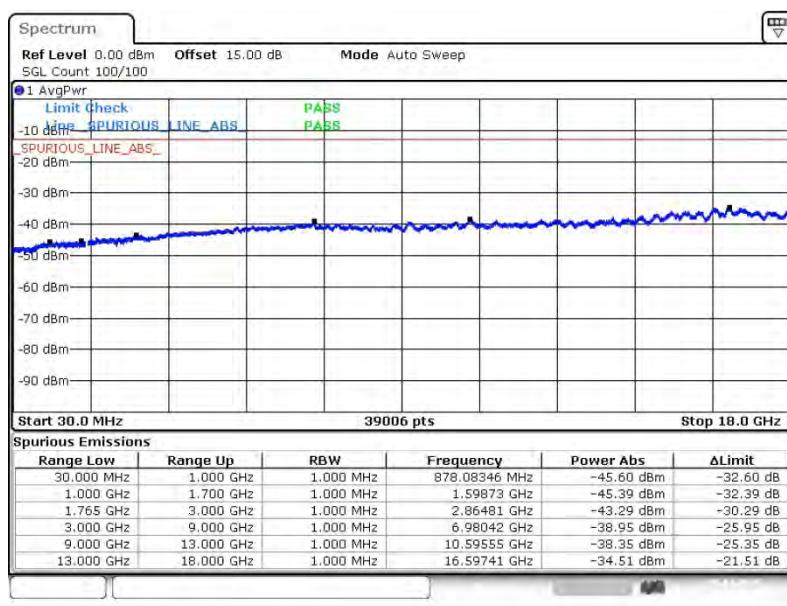


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 3, RB Offset 0)



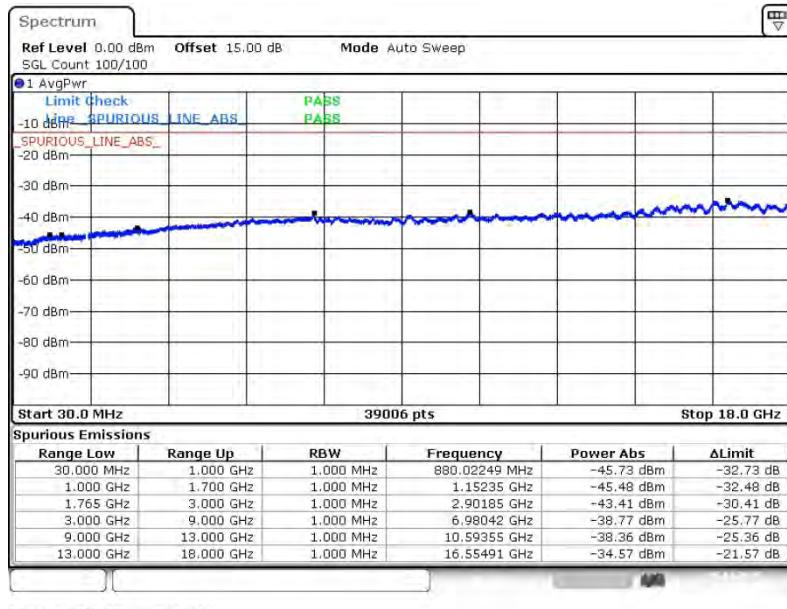
16QAM (RB Size 3, RB Offset 0)





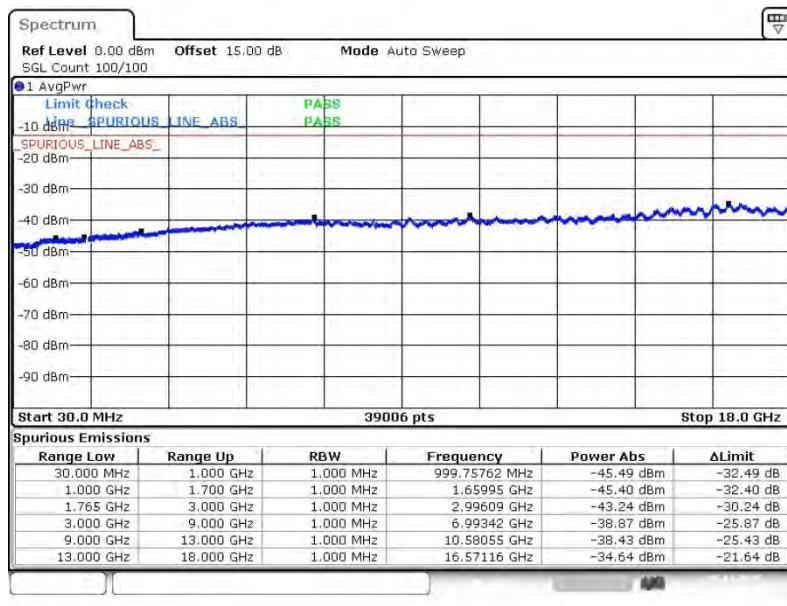
Band :	LTE Band 4	Channel :	CH20393 (High)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 2)



Date: 5.JAN.2015 09:36:44

16QAM (RB Size 3, RB Offset 1)

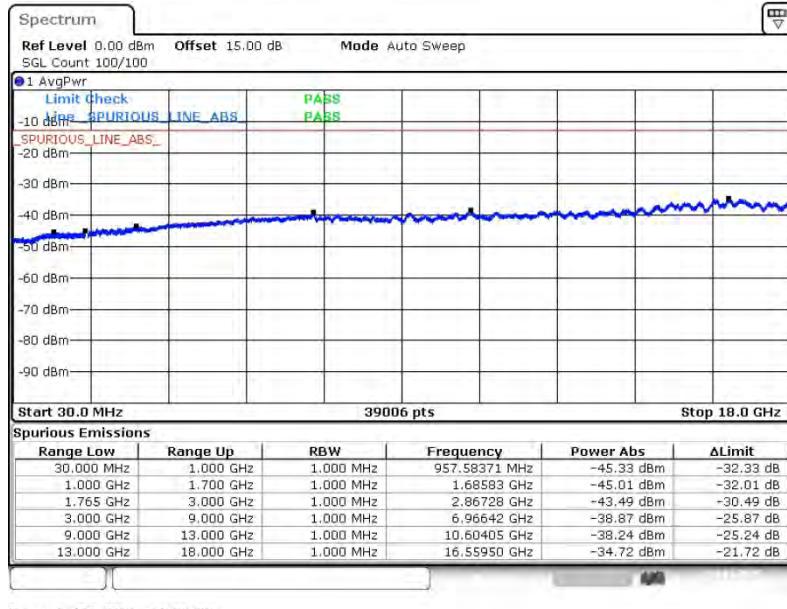


Date: 5.JAN.2015 09:38:00

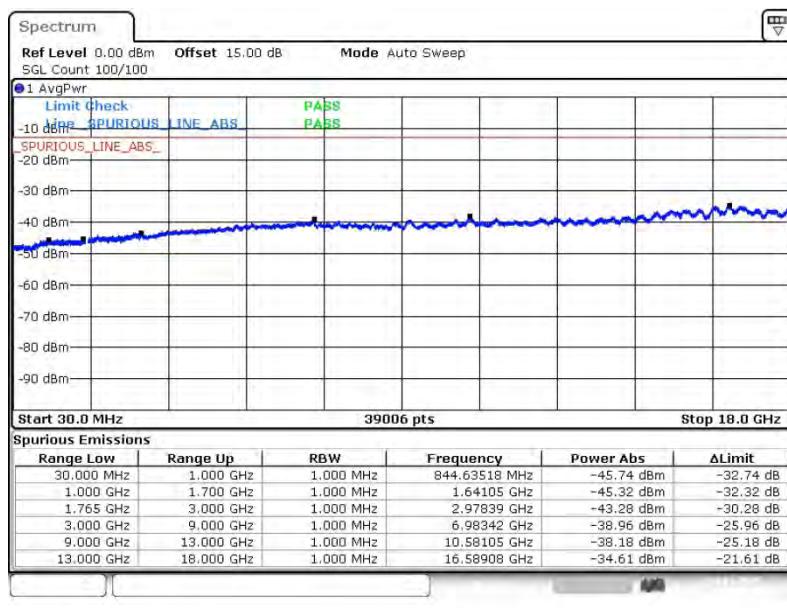


Band :	LTE Band 4	Channel :	CH19965 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 14)



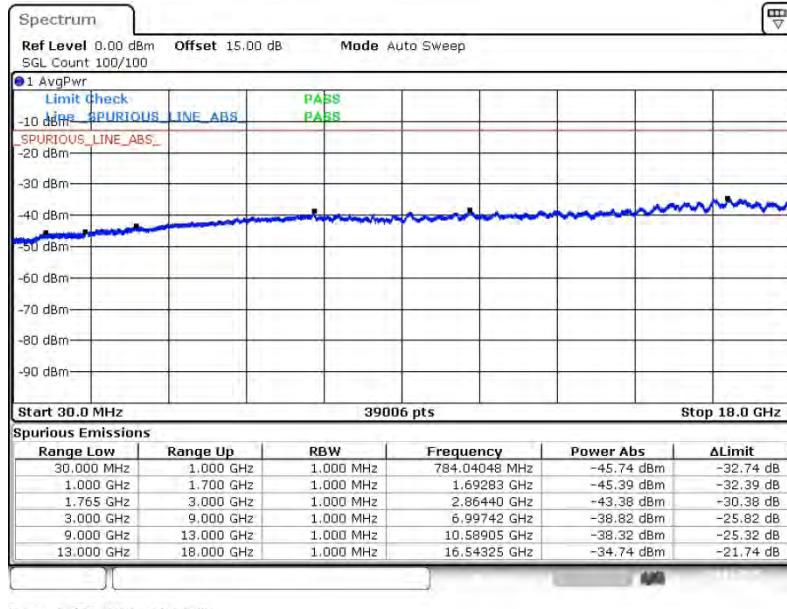
16QAM (RB Size 1, RB Offset 0)



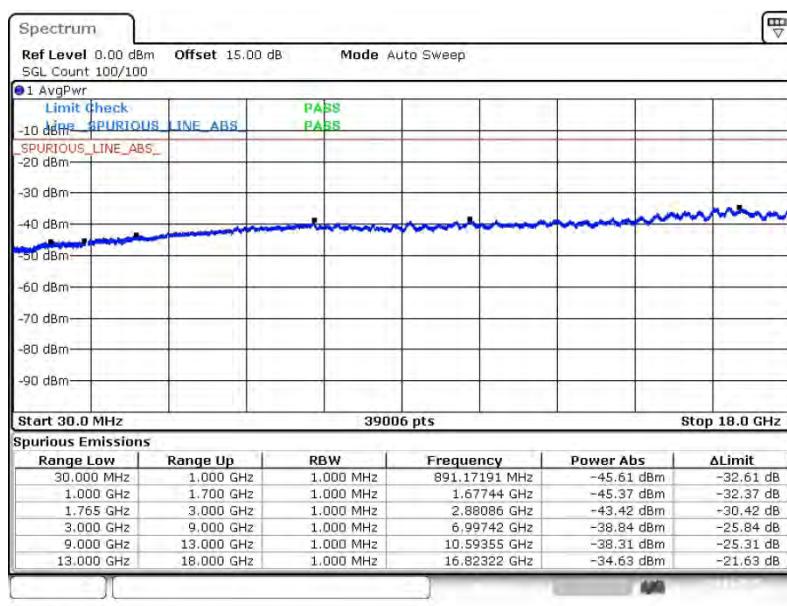


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)



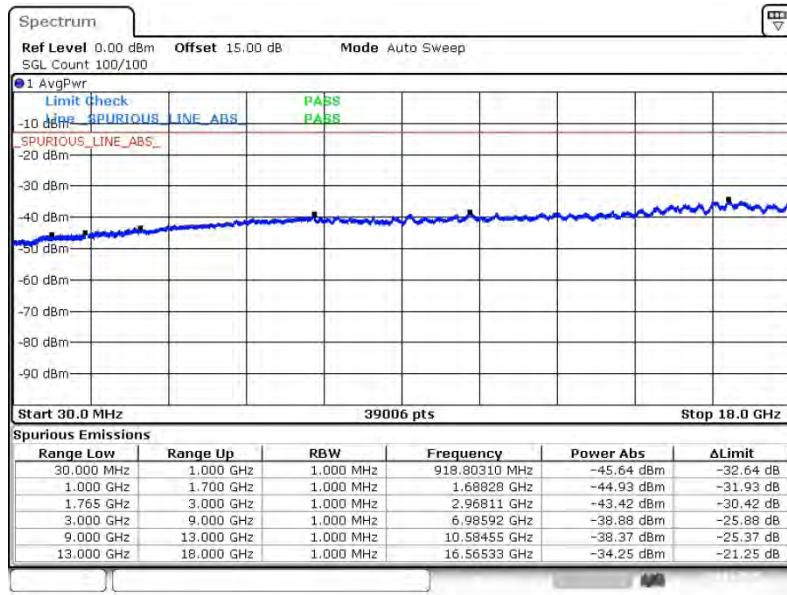
16QAM (RB Size 1, RB Offset 0)



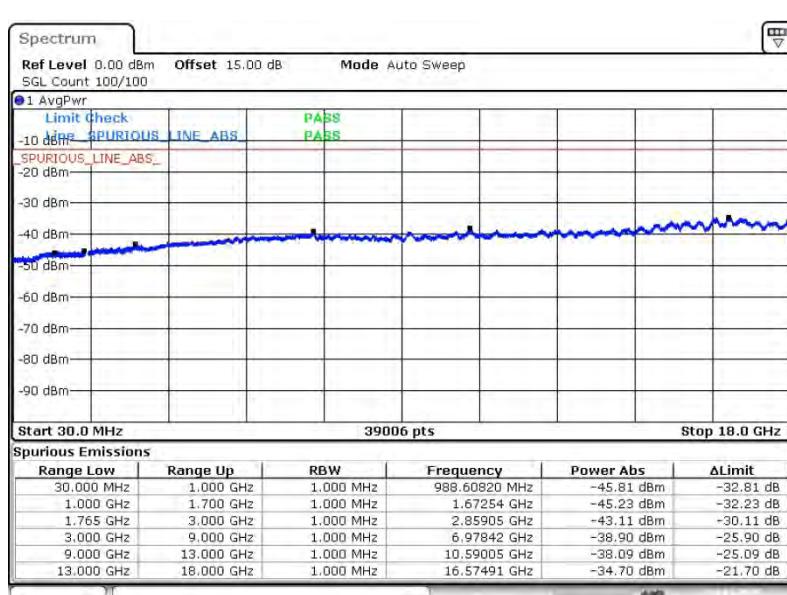


Band :	LTE Band 4	Channel :	CH20385 (High)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 7)



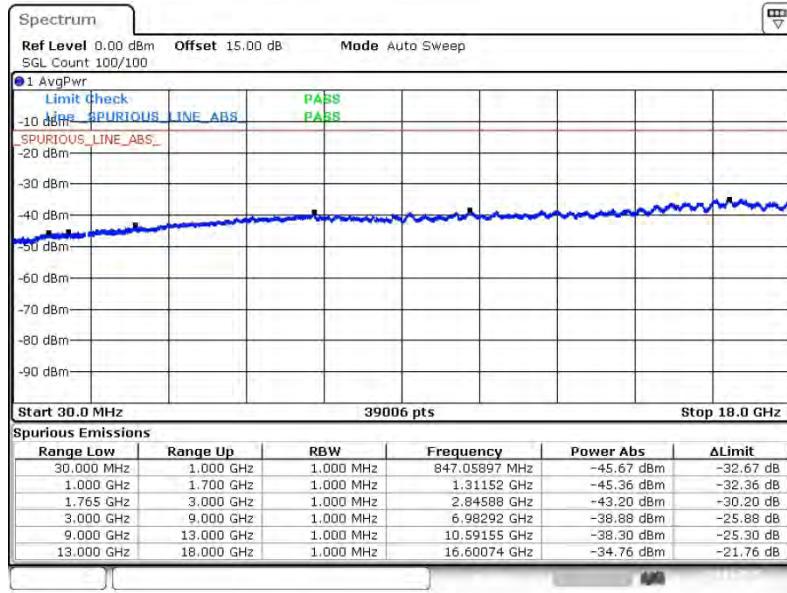
16QAM (RB Size 1, RB Offset 14)



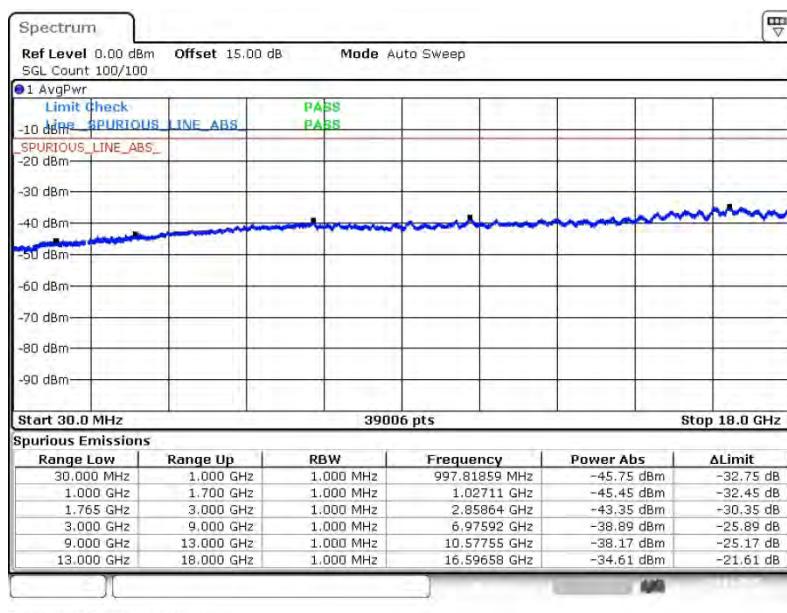


Band :	LTE Band 4	Channel :	CH19975 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 12)



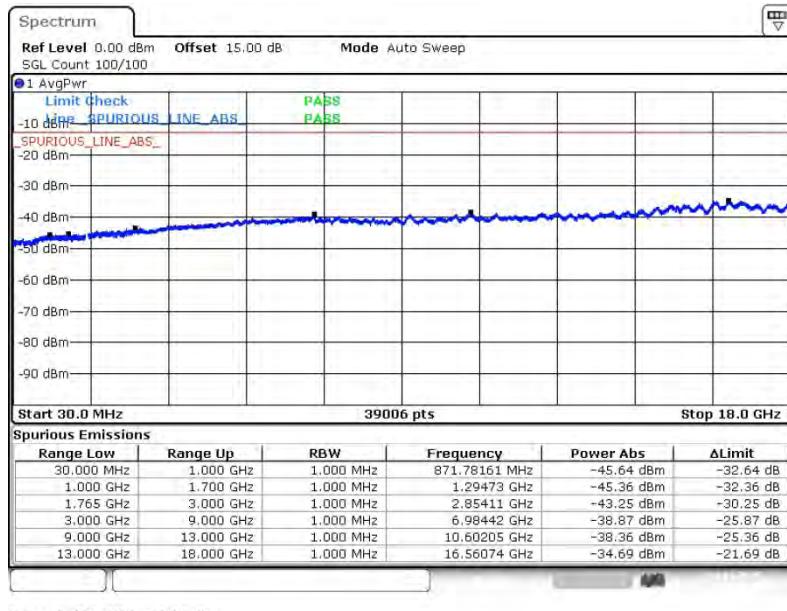
16QAM (RB Size 1, RB Offset 0)



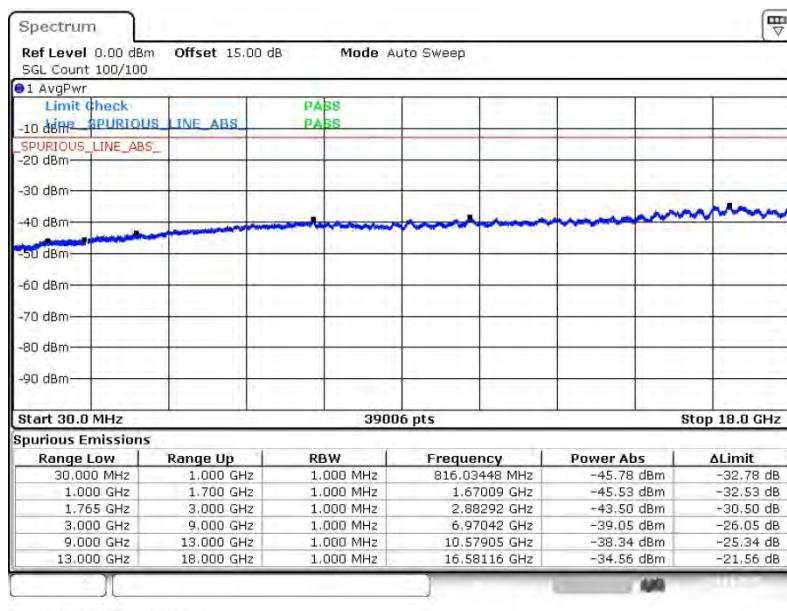


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



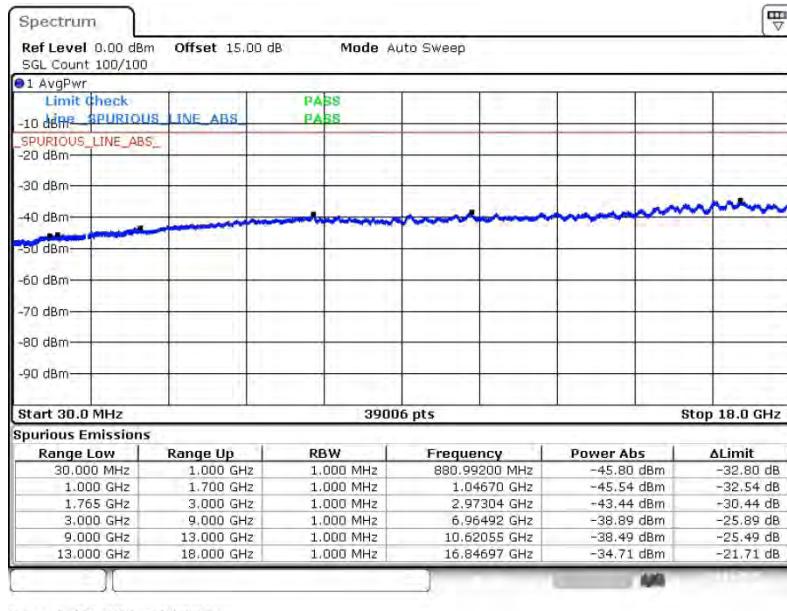
16QAM (RB Size 1, RB Offset 0)



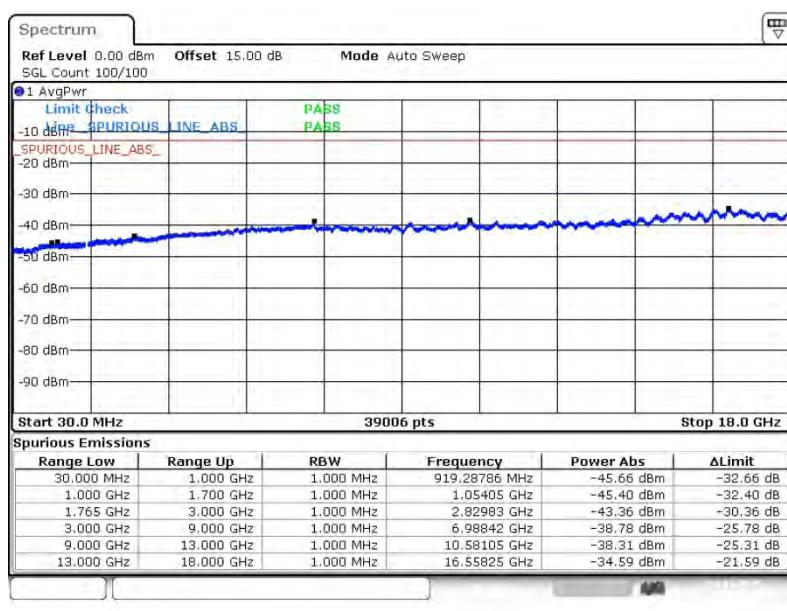


Band :	LTE Band 4	Channel :	CH20375 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 24)

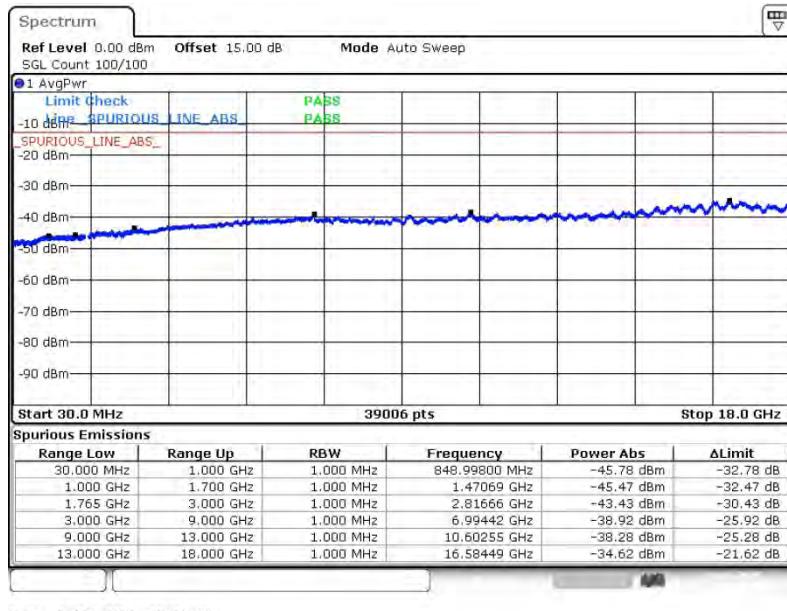


16QAM (RB Size 1, RB Offset 0)

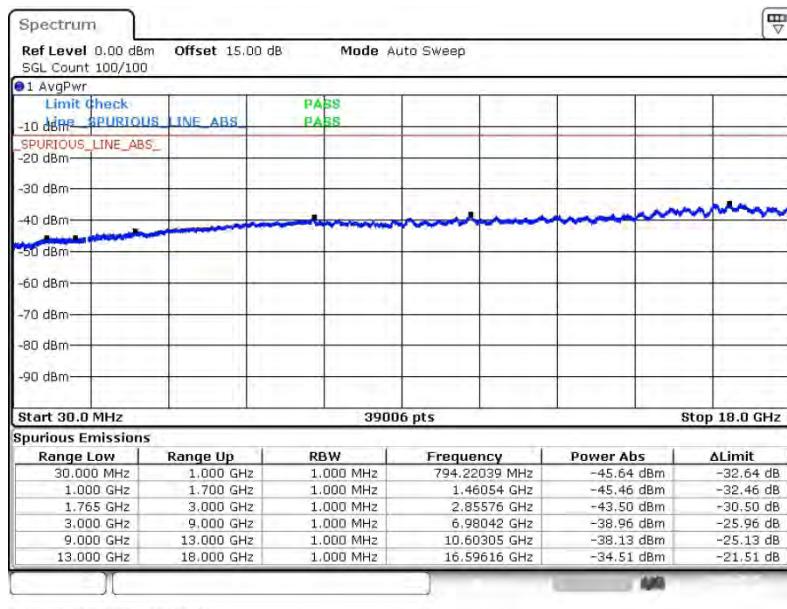




Band :	LTE Band 4	Channel :	CH20000 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 24)

Date: 4.JAN.2015 15:05:29

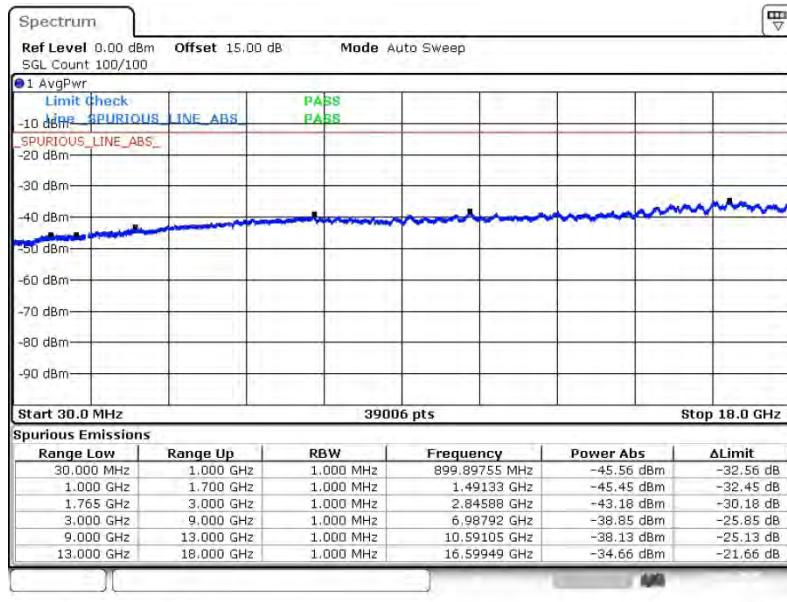
16QAM (RB Size 1, RB Offset 0)

Date: 4.JAN.2015 15:06:49



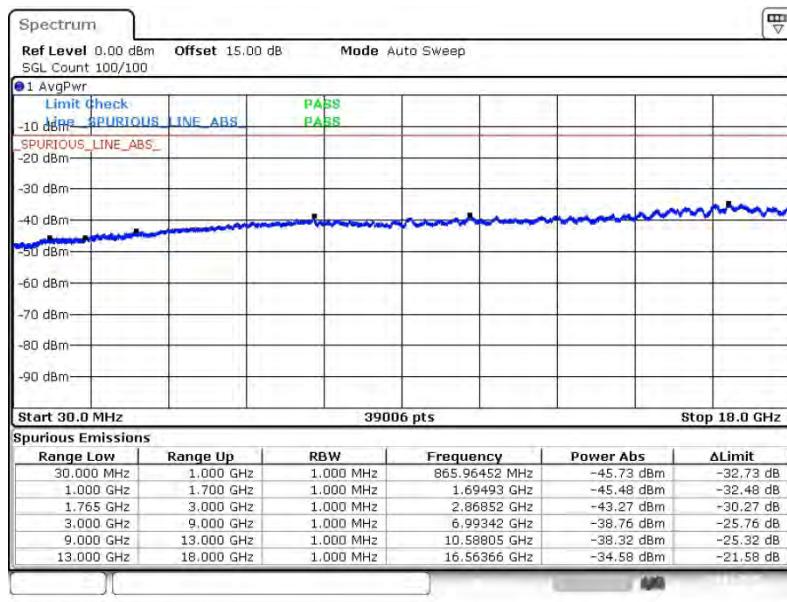
Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 4.JAN.2015 15:08:54

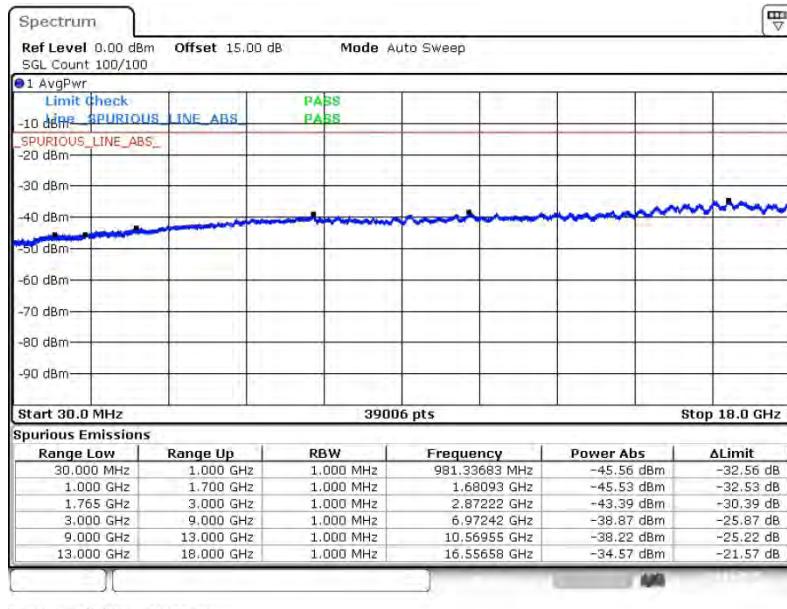
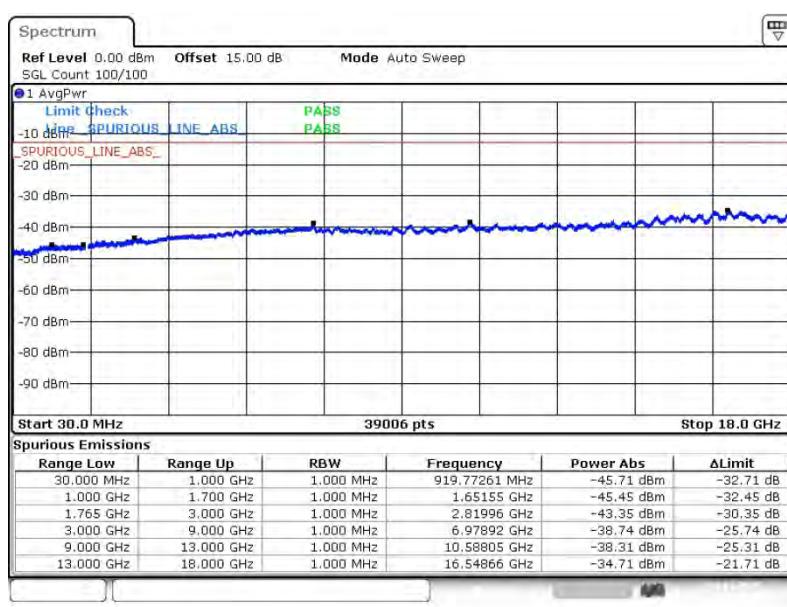
16QAM (RB Size 1, RB Offset 0)



Date: 4.JAN.2015 15:10:14

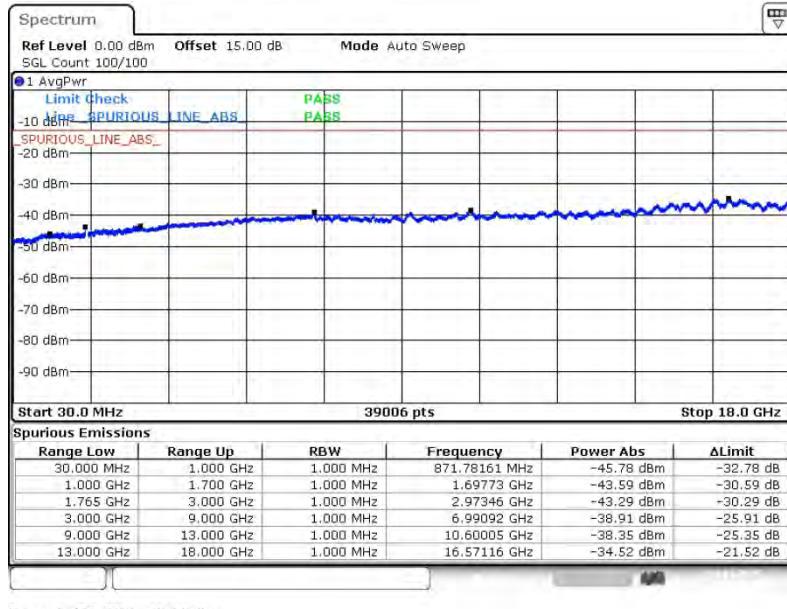
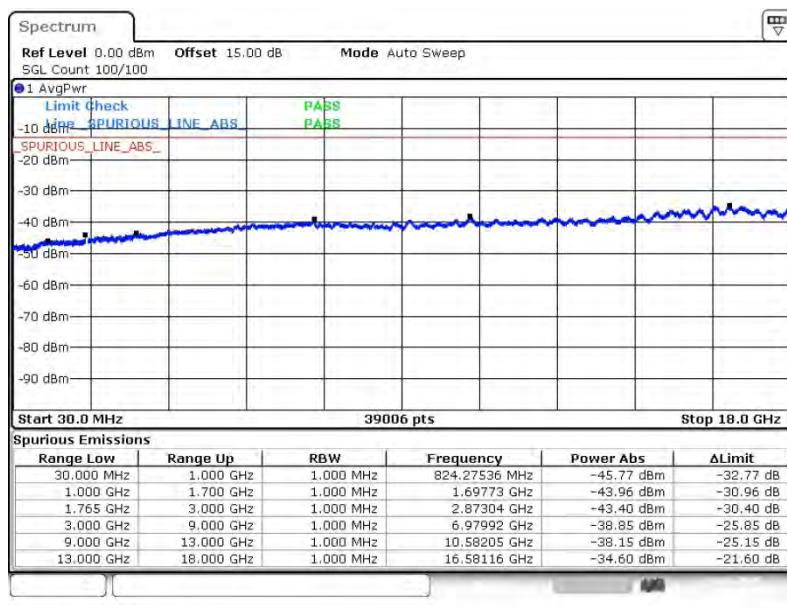


Band :	LTE Band 4	Channel :	CH20350 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 49)**16QAM (RB Size 1, RB Offset 49)**



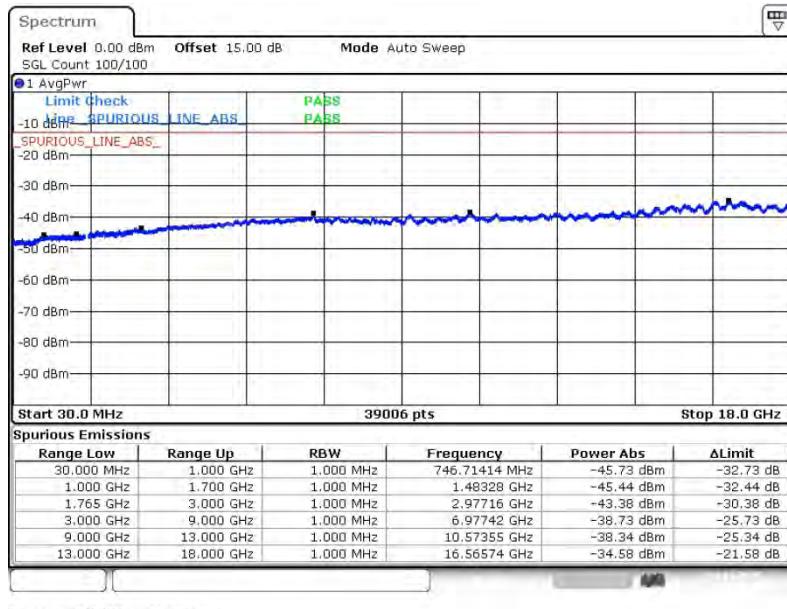
Band :	LTE Band 4	Channel :	CH20025 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 37)**16QAM (RB Size 1, RB Offset 0)**

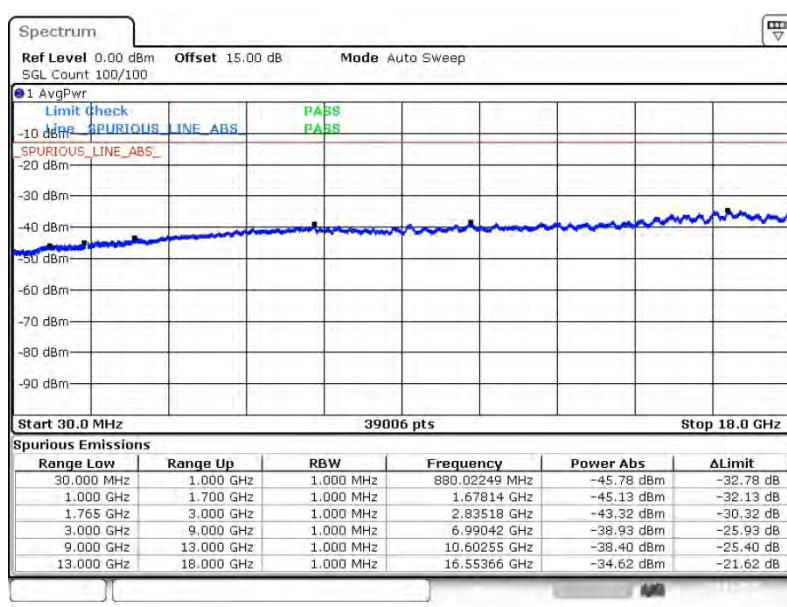


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

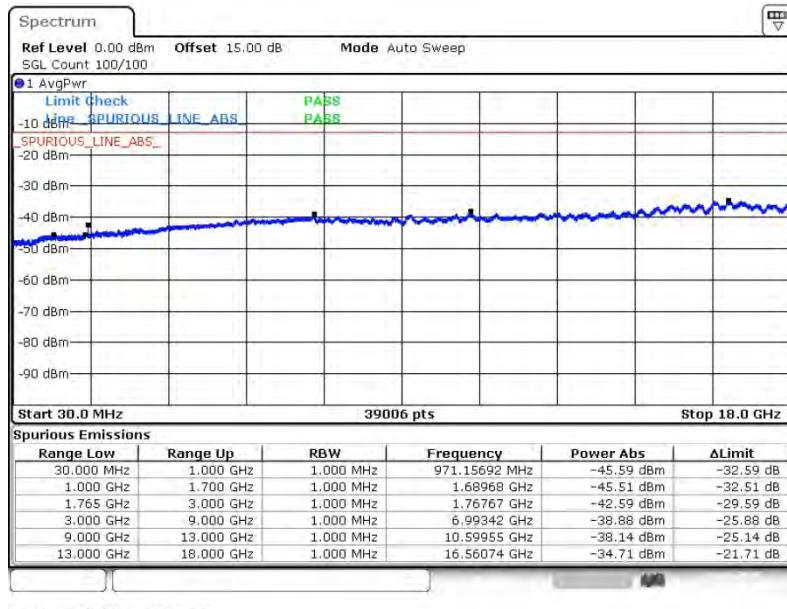
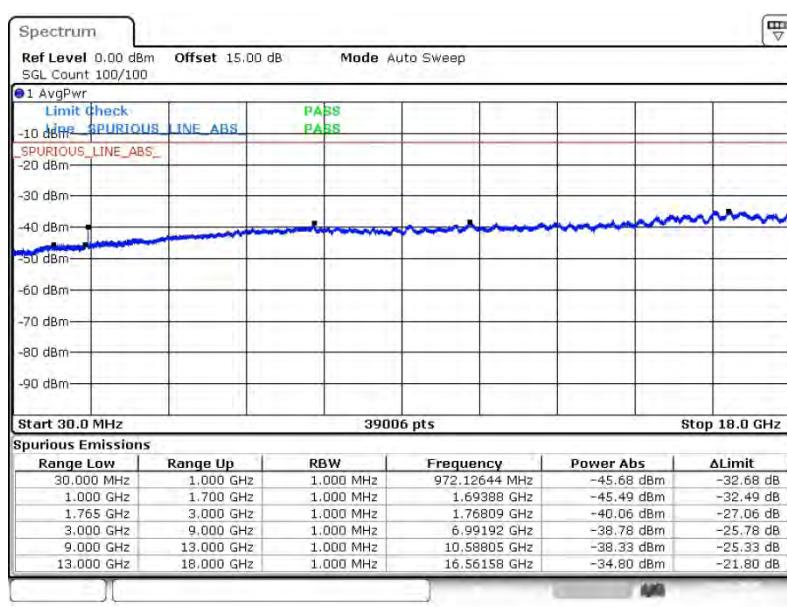


16QAM (RB Size 1, RB Offset 0)



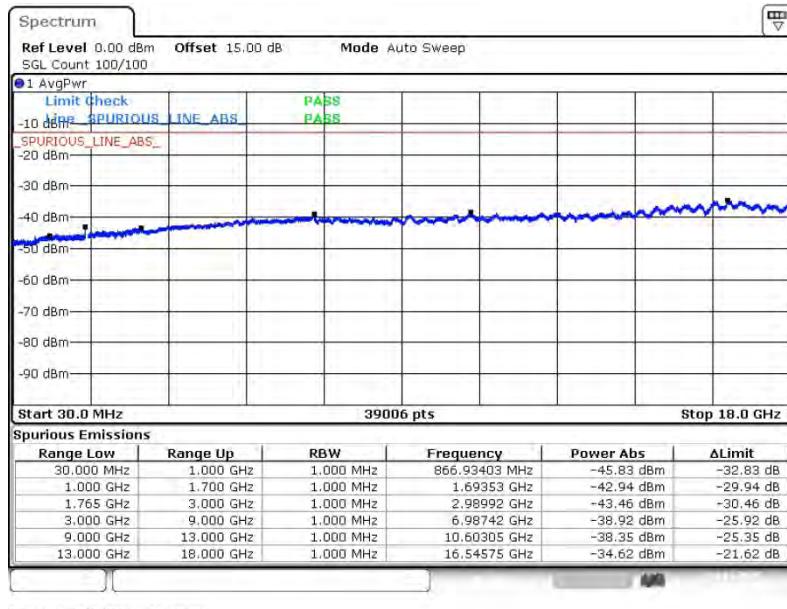
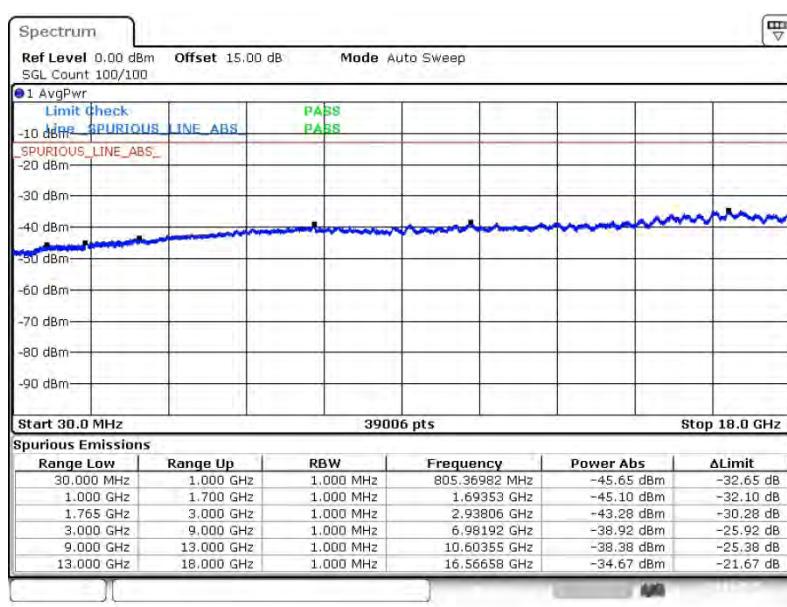


Band :	LTE Band 4	Channel :	CH20325 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 74)**16QAM (RB Size 1, RB Offset 74)**

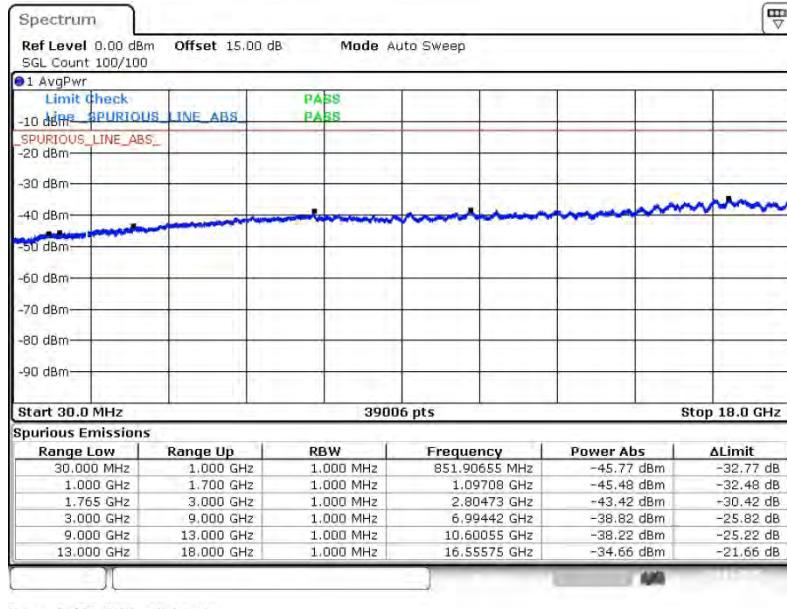


Band :	LTE Band 4	Channel :	CH20050 (Low)
Band Width :	20MHz		

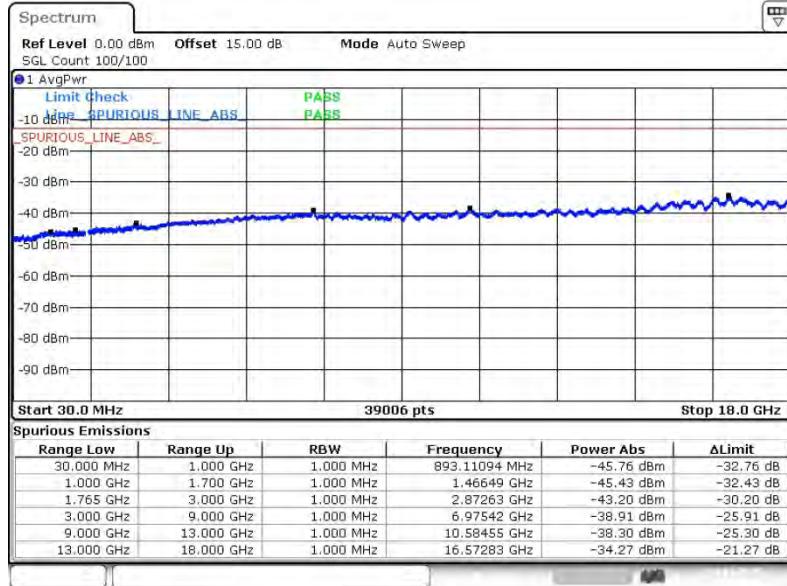
QPSK (RB Size 1, RB Offset 49)**16QAM (RB Size 1, RB Offset 49)**



Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 49)

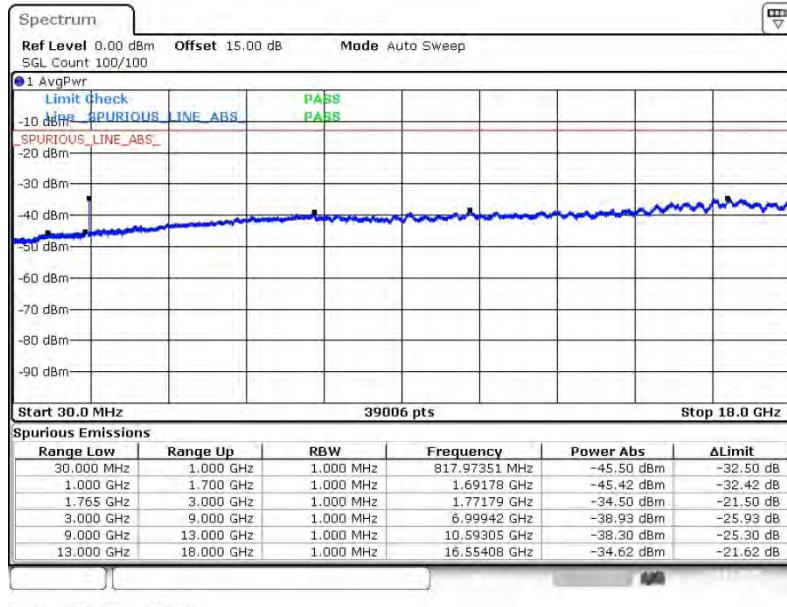
Date: 4.JAN.2015 15:51:22

16QAM (RB Size 1, RB Offset 49)

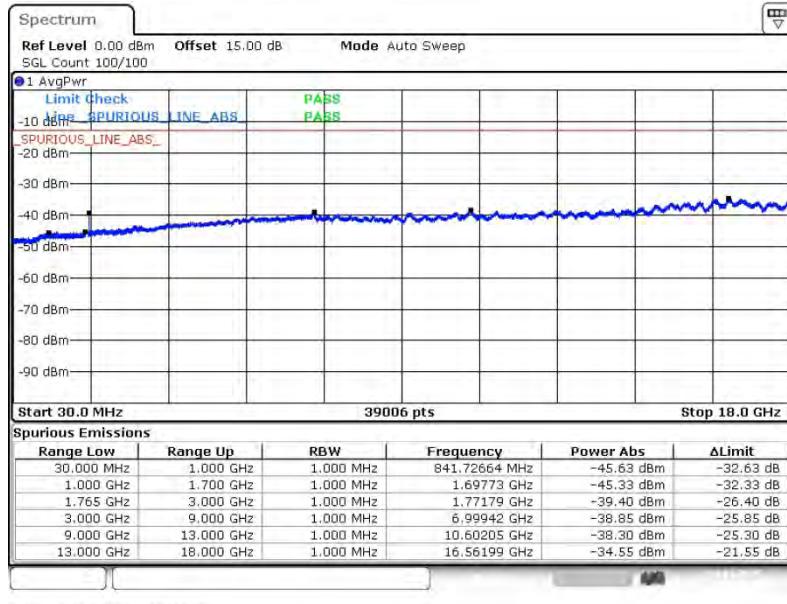
Date: 4.JAN.2015 15:52:42



Band :	LTE Band 4	Channel :	CH20300 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 49)

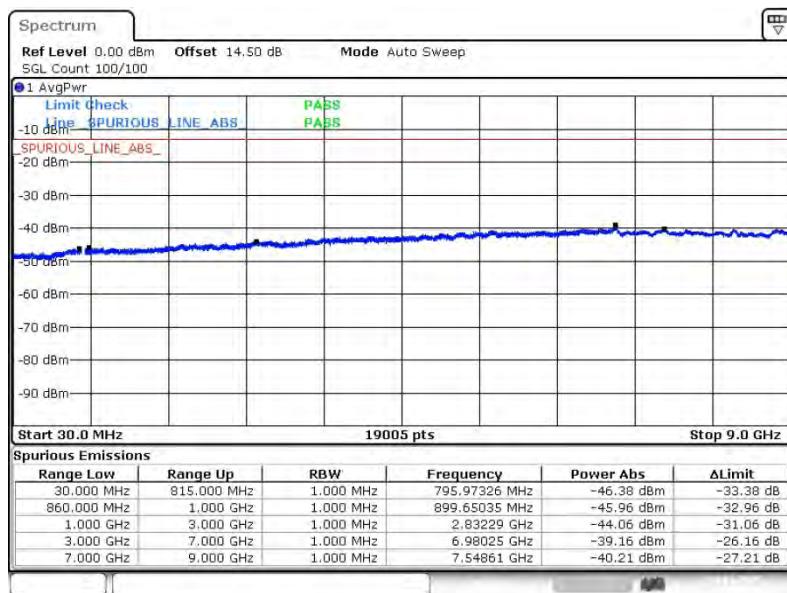
Date: 4.JAN.2015 15:58:03

16QAM (RB Size 1, RB Offset 49)

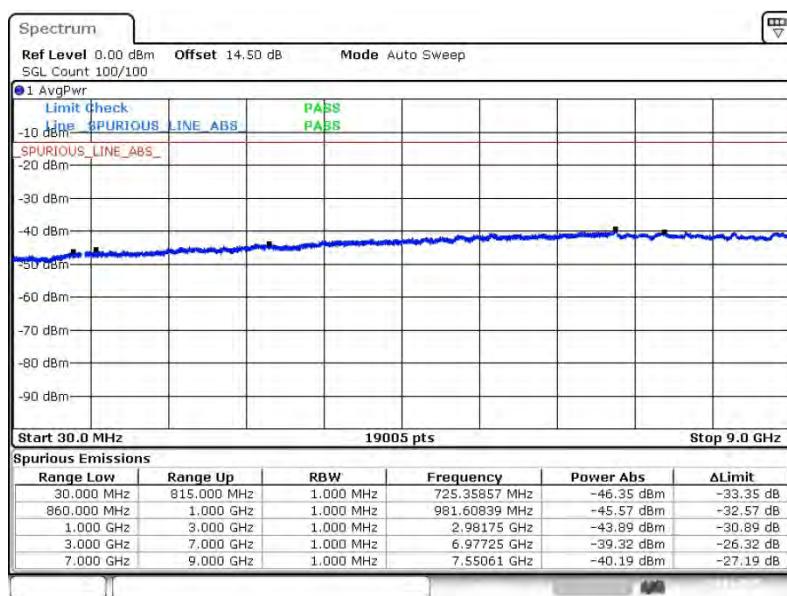
Date: 4.JAN.2015 15:59:23



Band :	LTE Band 5	Channel :	CH20407 (Low)
Band Width :	1.4MHz		

QPSK (RB Size 3, RB Offset 1)

Date: 4.JAN.2015 17:51:42

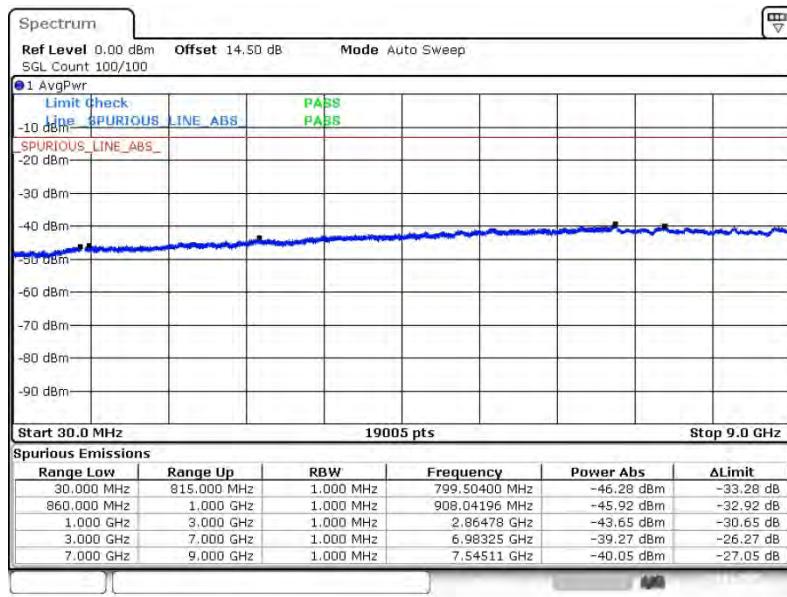
16QAM (RB Size 3, RB Offset 1)

Date: 4.JAN.2015 17:53:01

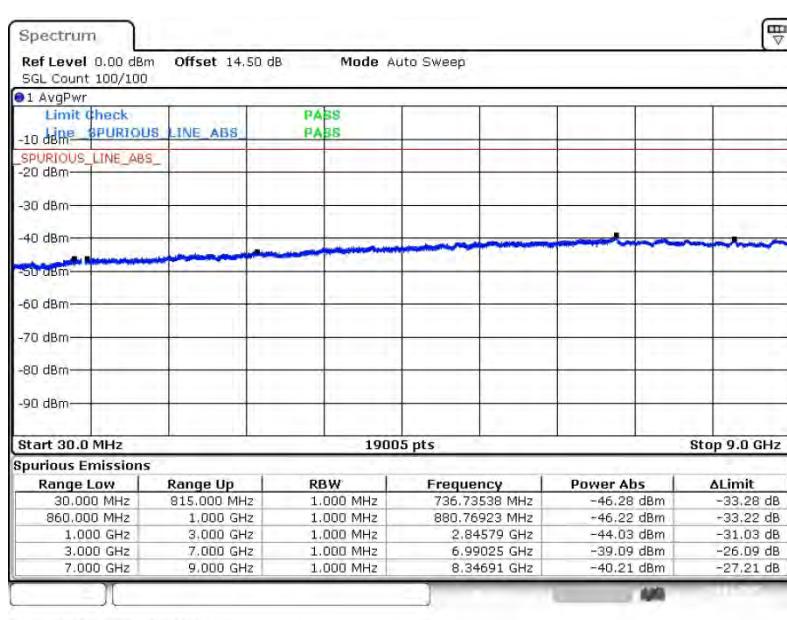


Band :	LTE Band 5	Channel :	CH20525 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 3, RB Offset 1)



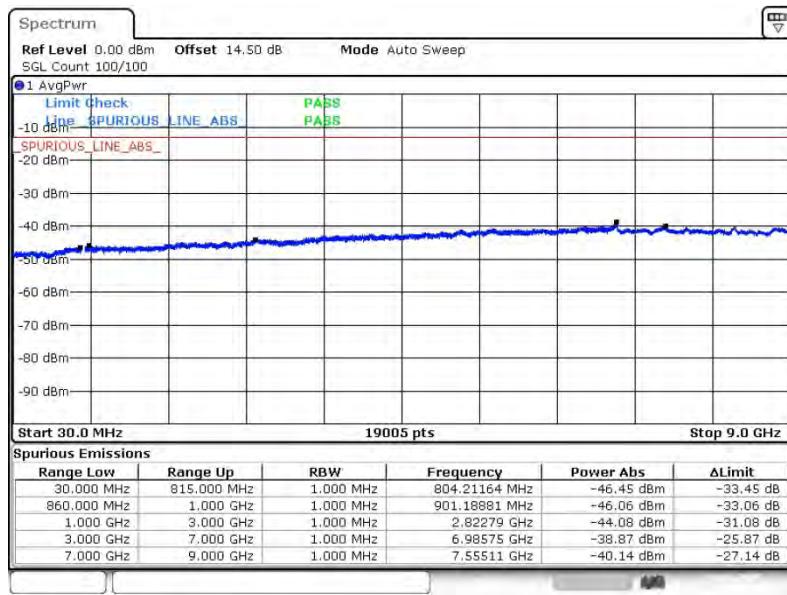
16QAM (RB Size 3, RB Offset 1)



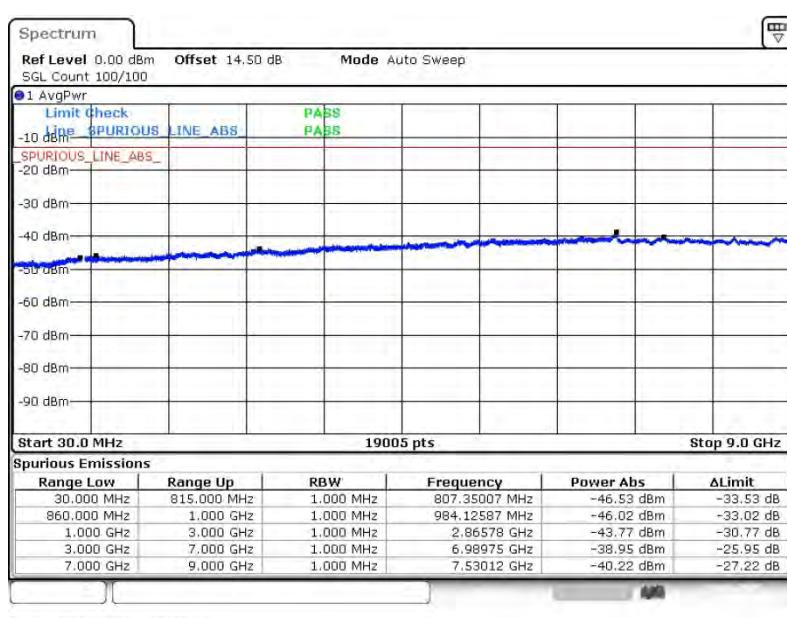


Band :	LTE Band 5	Channel :	CH20643 (High)
Band Width :	1.4MHz		

QPSK (RB Size 3, RB Offset 0)



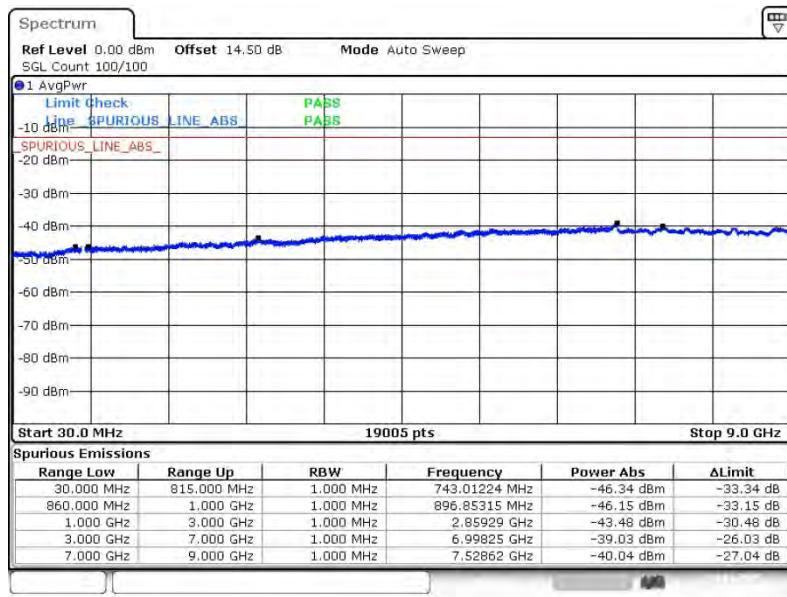
16QAM (RB Size 3, RB Offset 1)





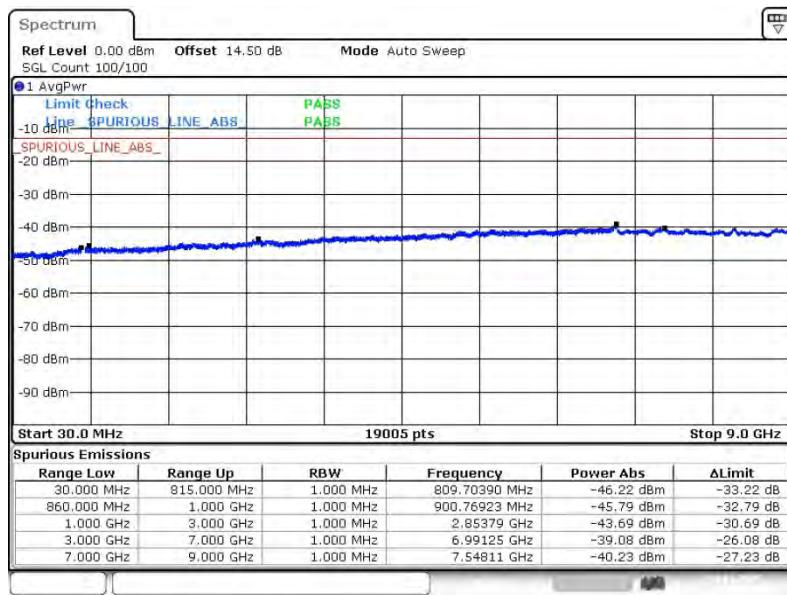
Band :	LTE Band 5	Channel :	CH20415 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 4.JAN.2015 18:14:06

16QAM (RB Size 1, RB Offset 0)



Date: 4.JAN.2015 18:15:26