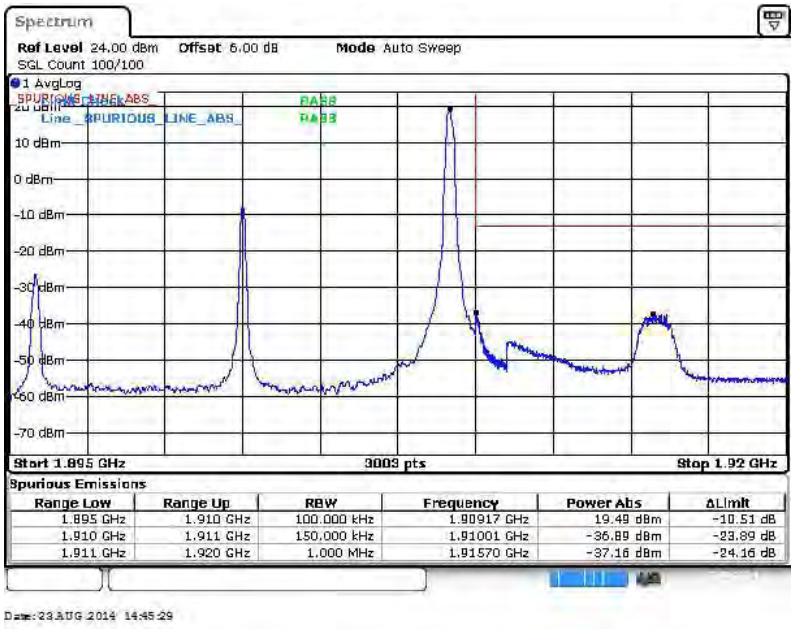
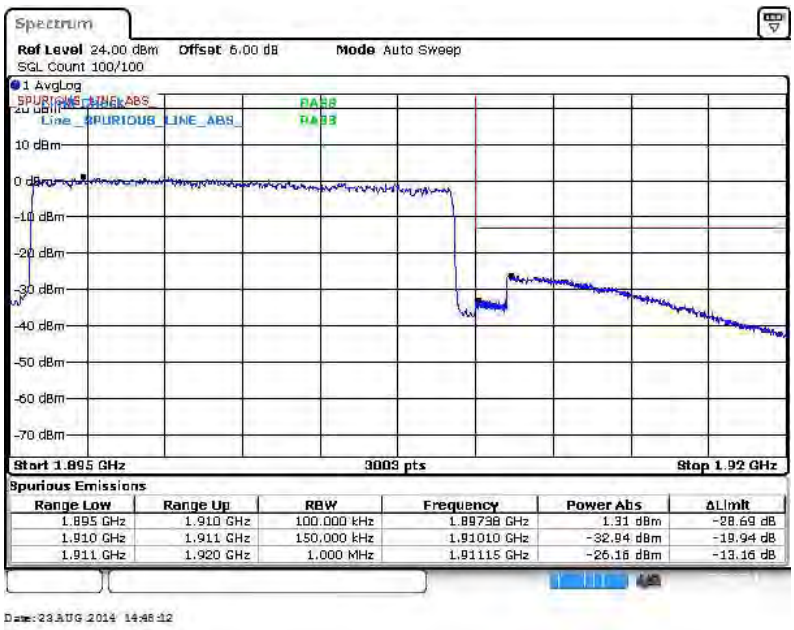
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74

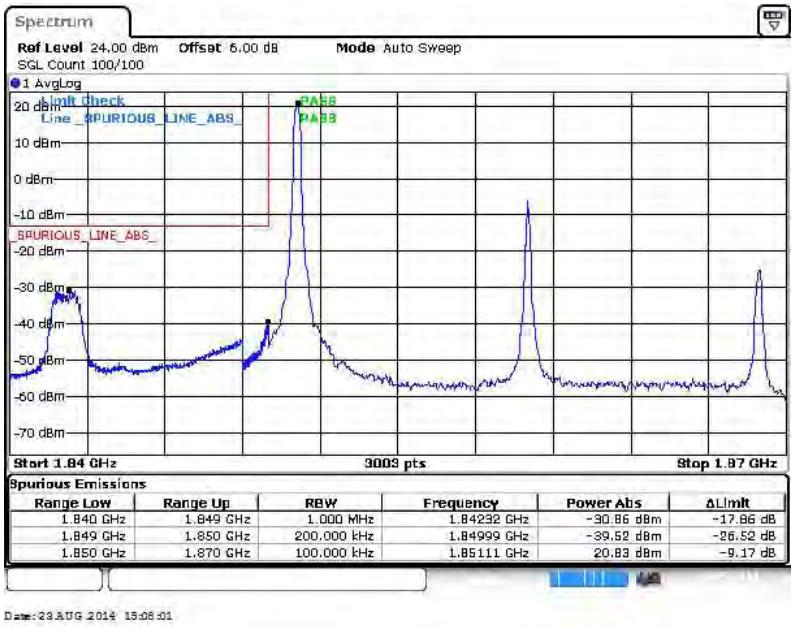


Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

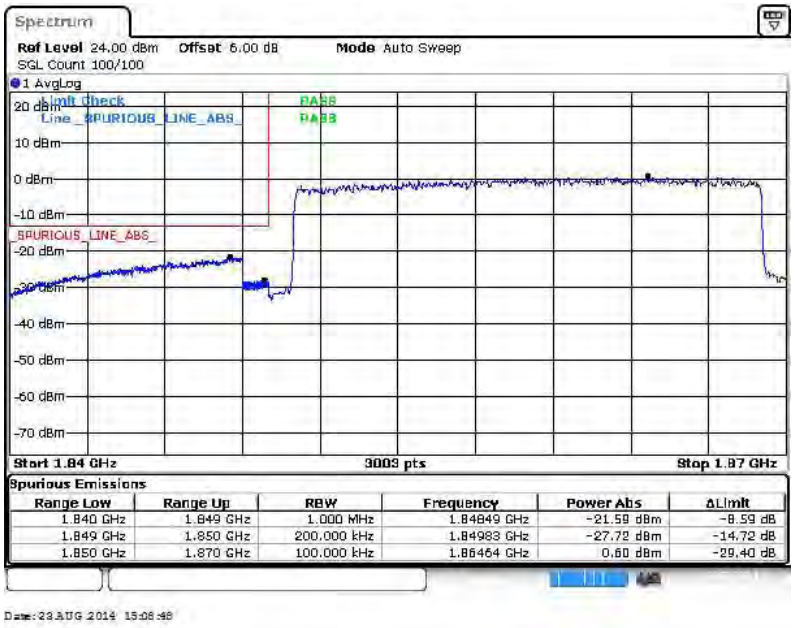


Band :	LTE Band 2	Band Width :	20MHz / QPSK

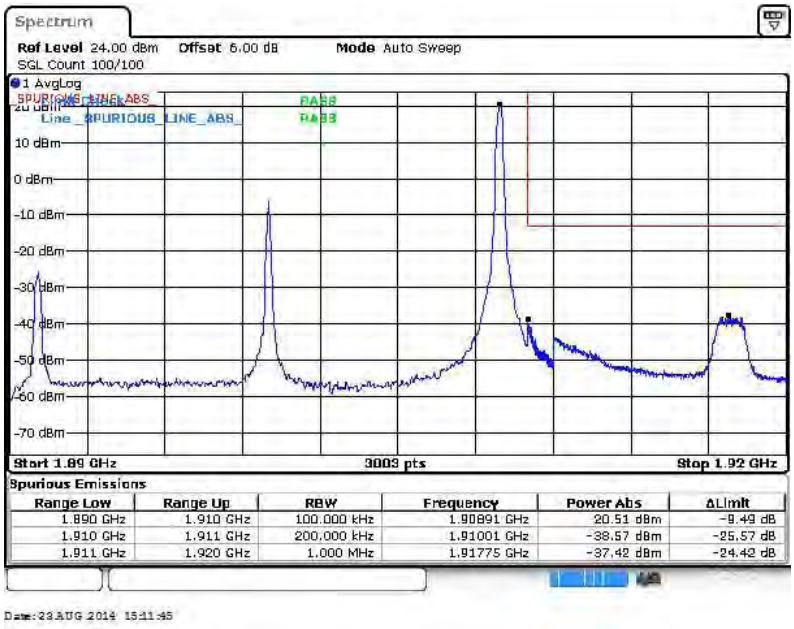
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



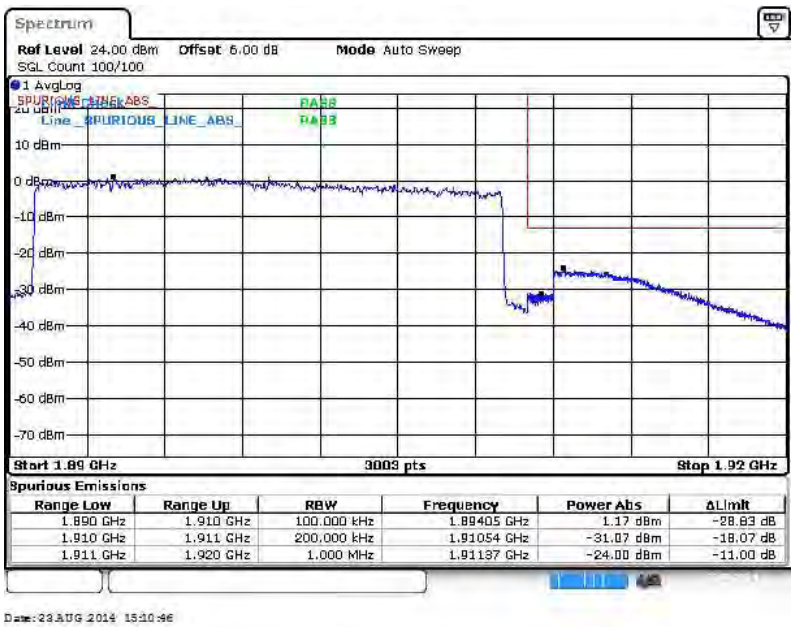
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



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

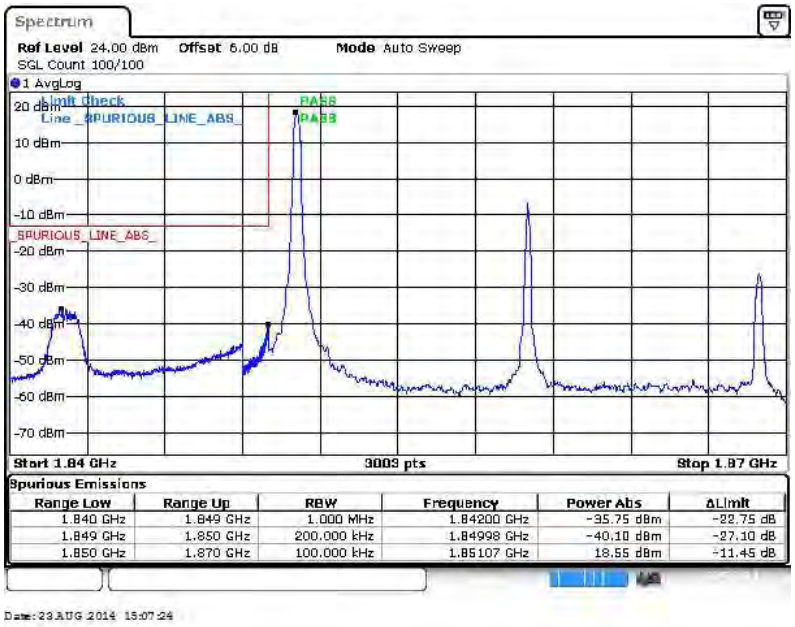


Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

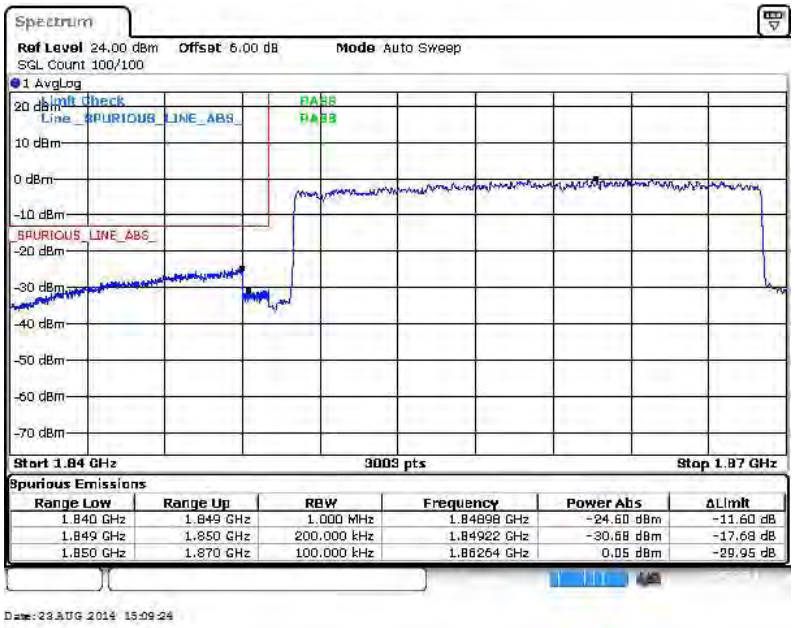


Band :	LTE Band 2	Band Width :	20MHz / 16QAM

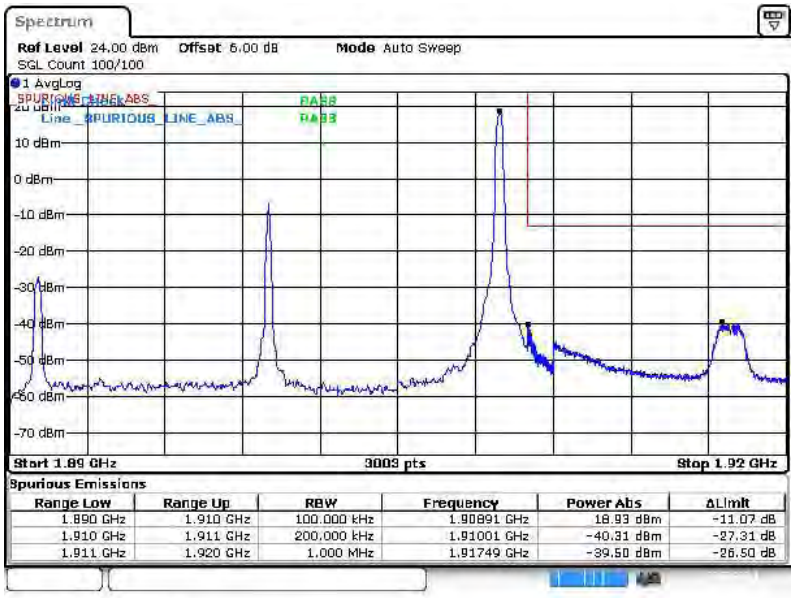
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



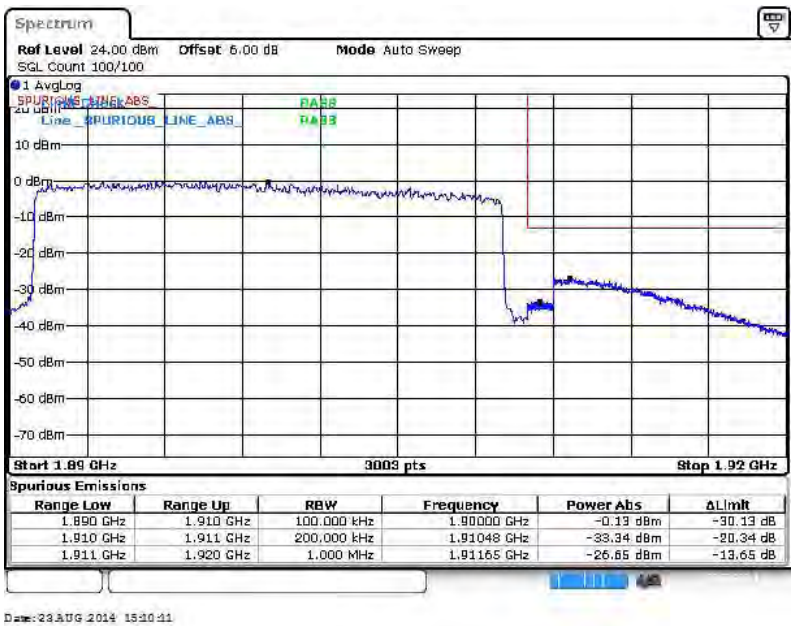
Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



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

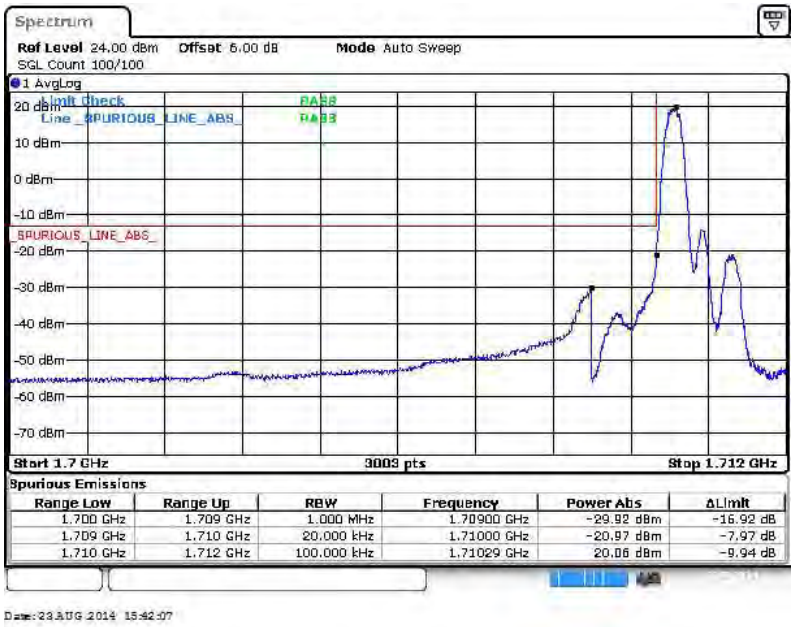


Higher Band Edge Plot for 16QAM-RB Size 100, RB Offset 0

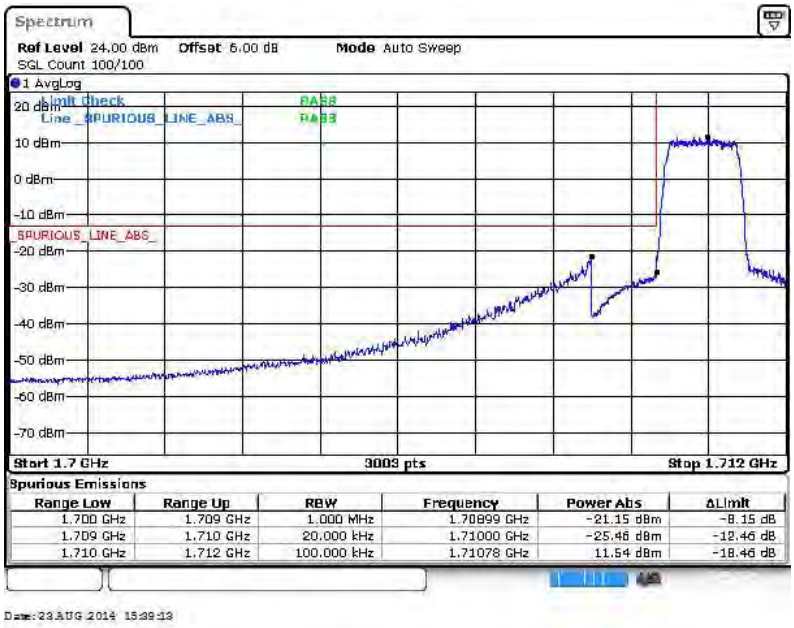


Band :	LTE Band 4	Band Width :	1.4MHz / QPSK

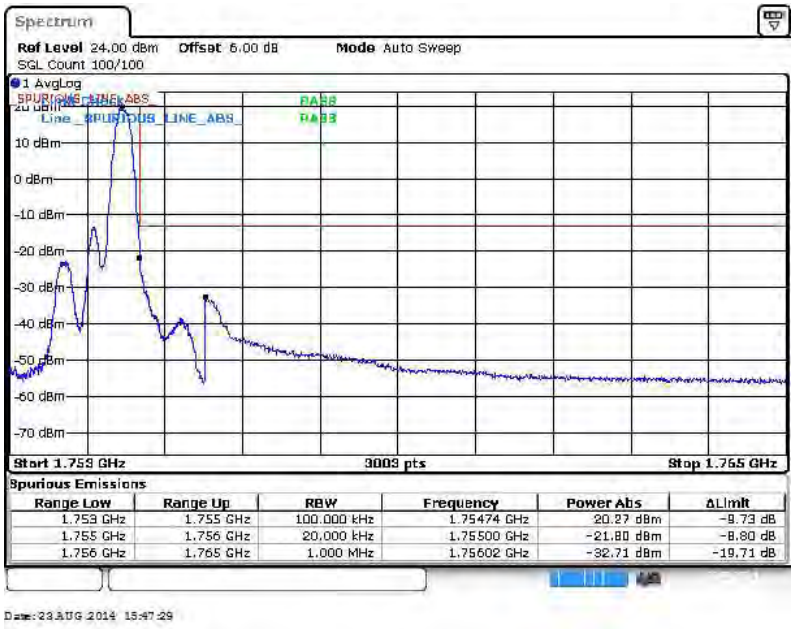
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



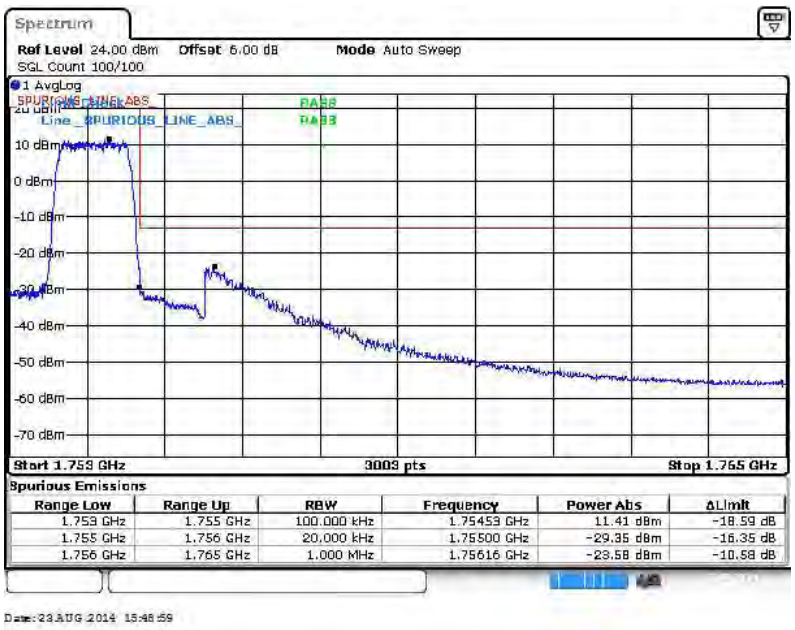
Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



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

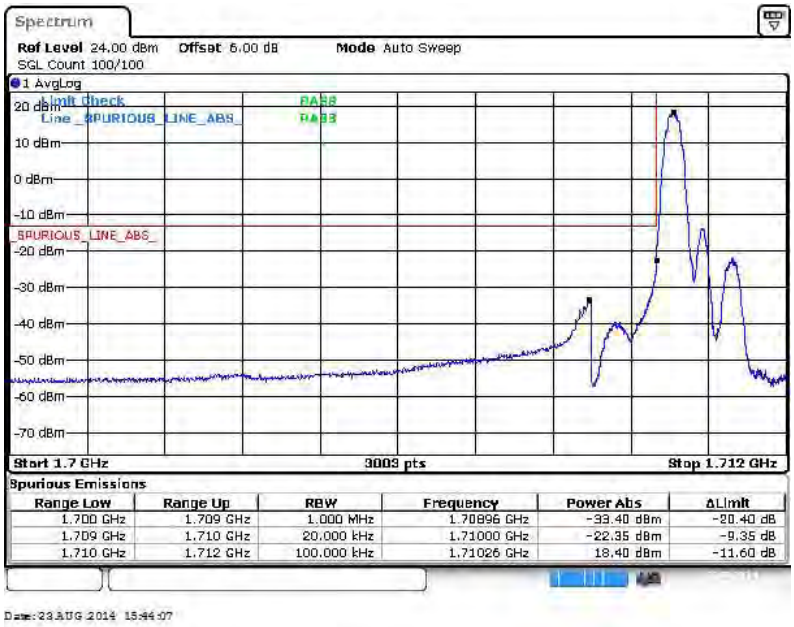


Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0

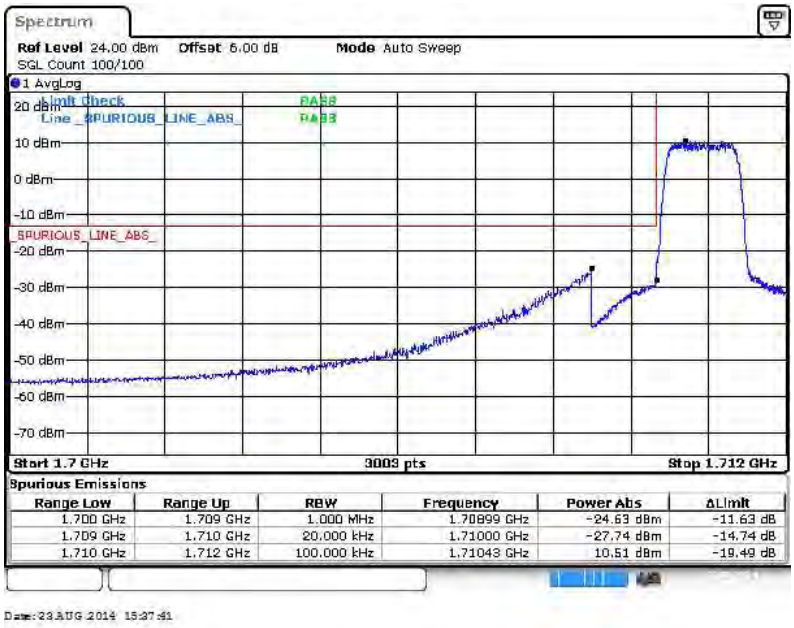


Band :	LTE Band 4	Band Width :	1.4MHz / 16QAM

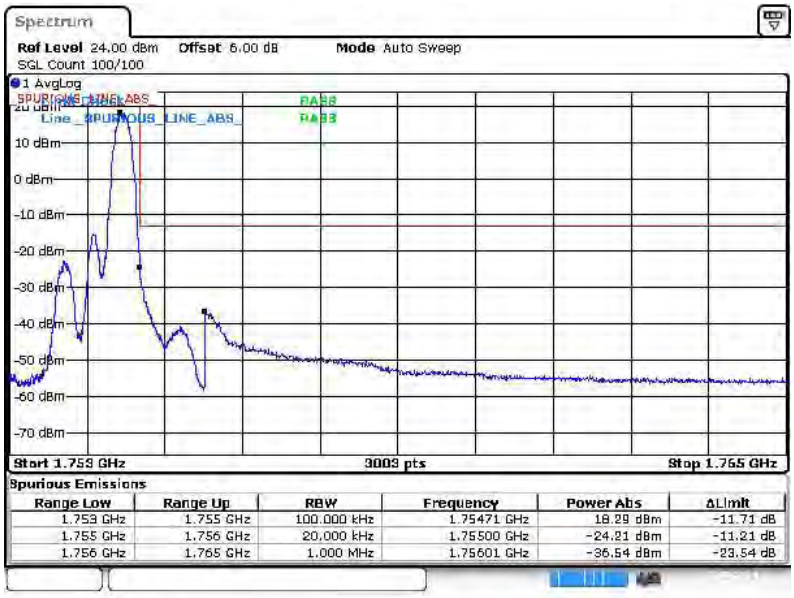
Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0



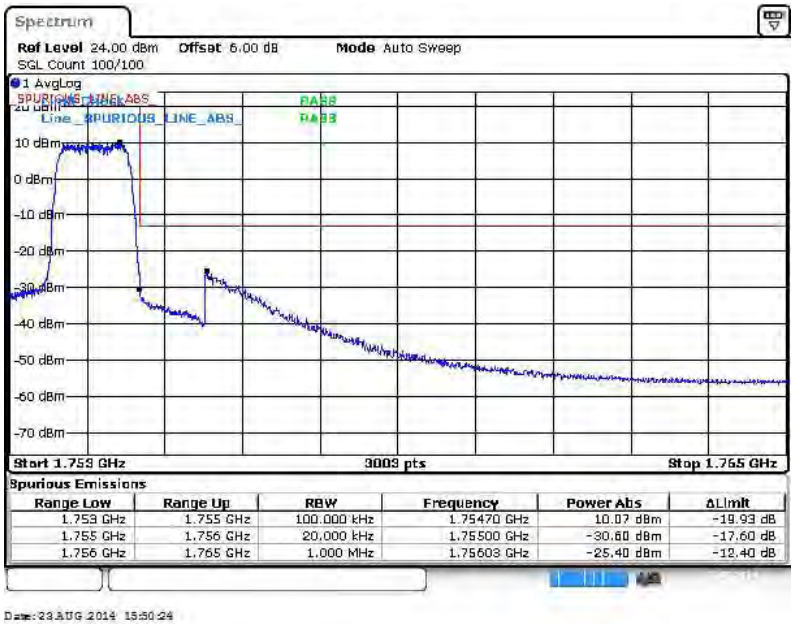
Lower Band Edge Plot for 16QAM-RB Size 6, RB Offset 0



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

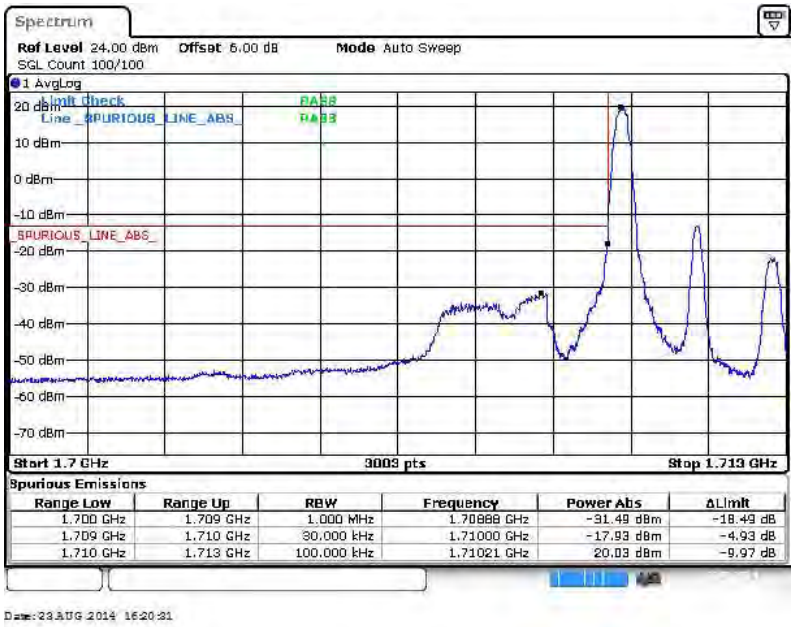


Higher Band Edge Plot for 16QAM-RB Size 6, RB Offset 0

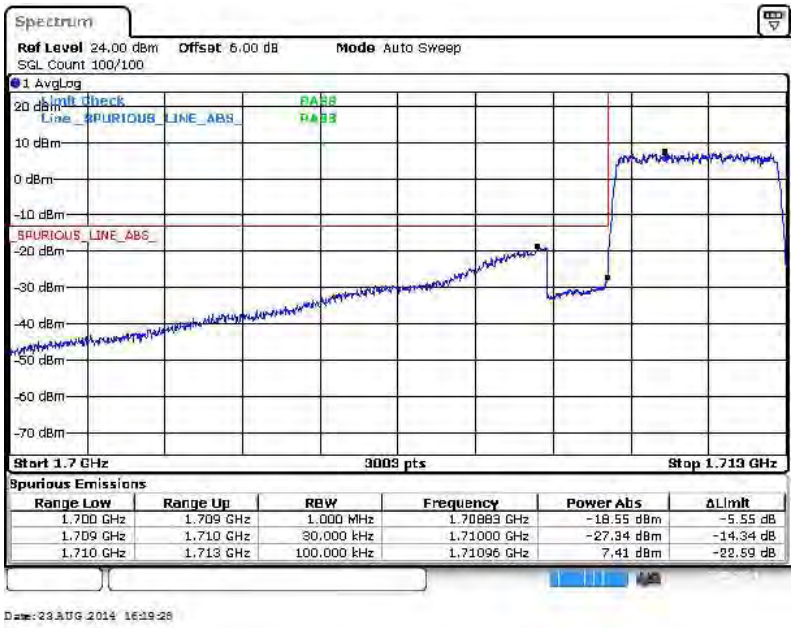


Band :	LTE Band 4	Band Width :	3MHz / QPSK

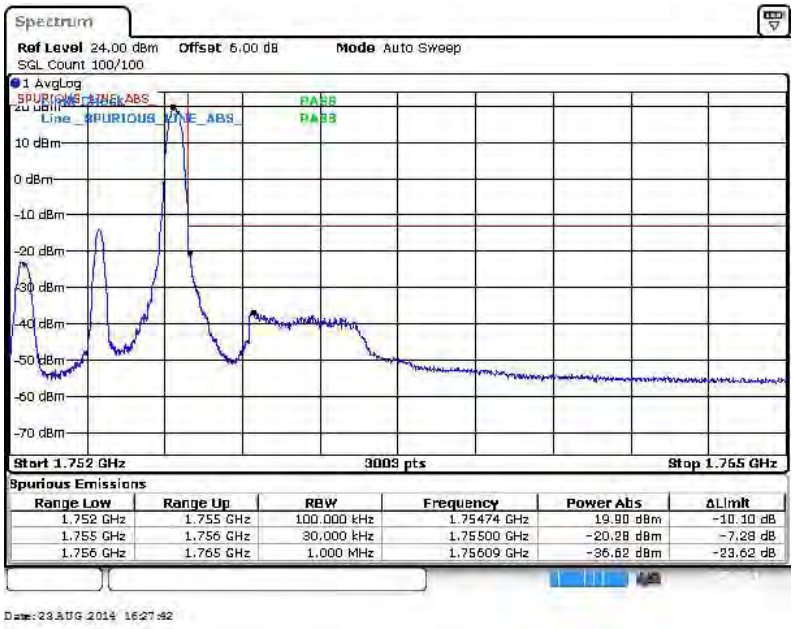
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



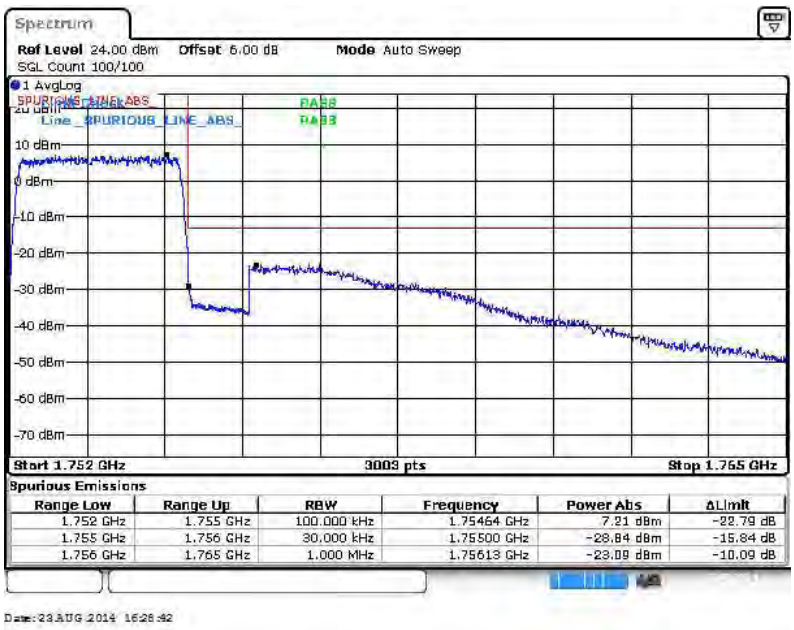
Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



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

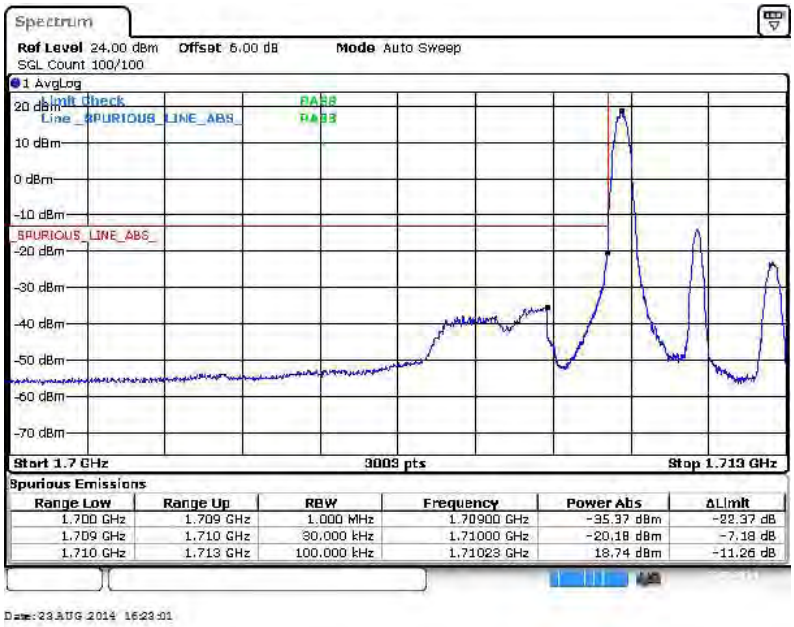


Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0

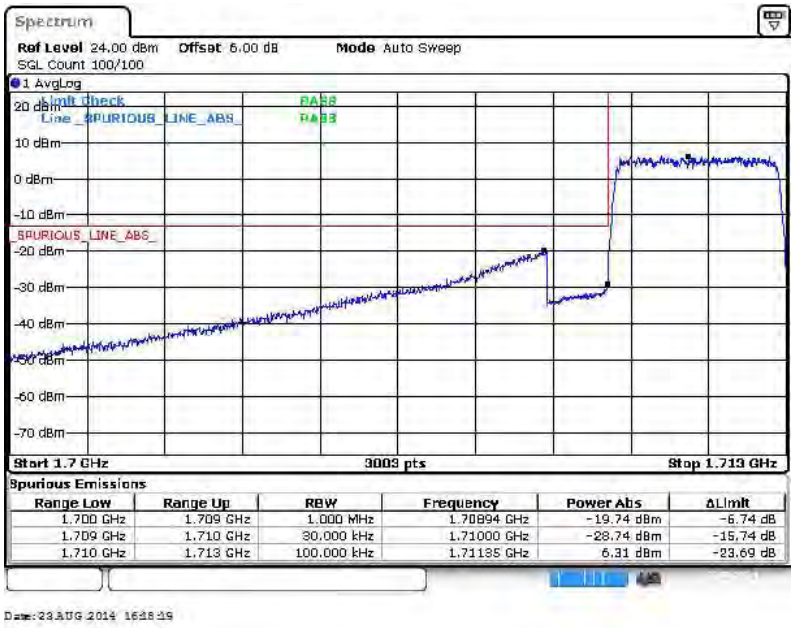


Band :	LTE Band 4	Band Width :	3MHz / 16QAM

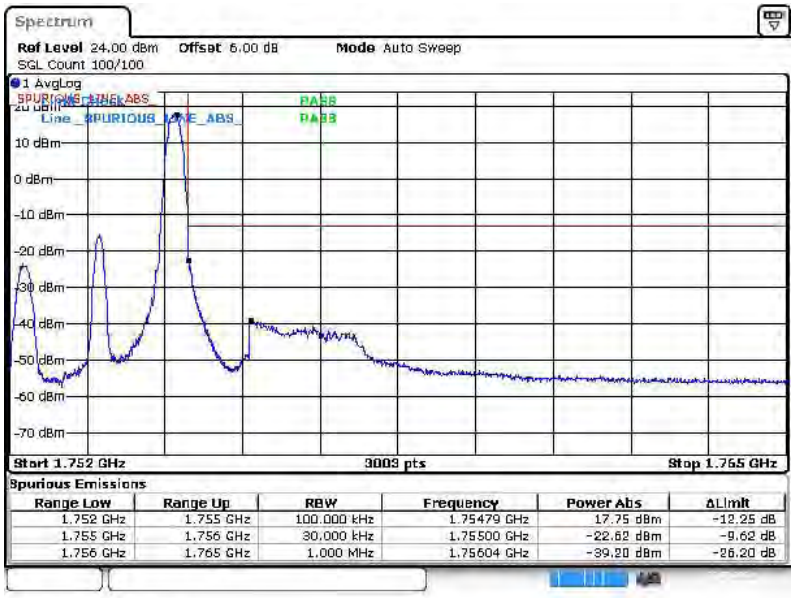
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



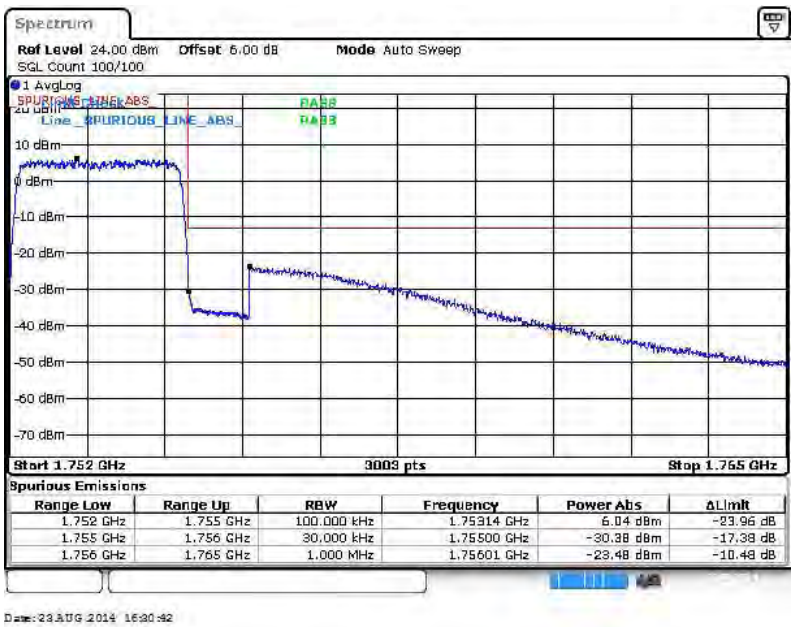
Lower Band Edge Plot for 16QAM-RB Size 15, RB Offset 0



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

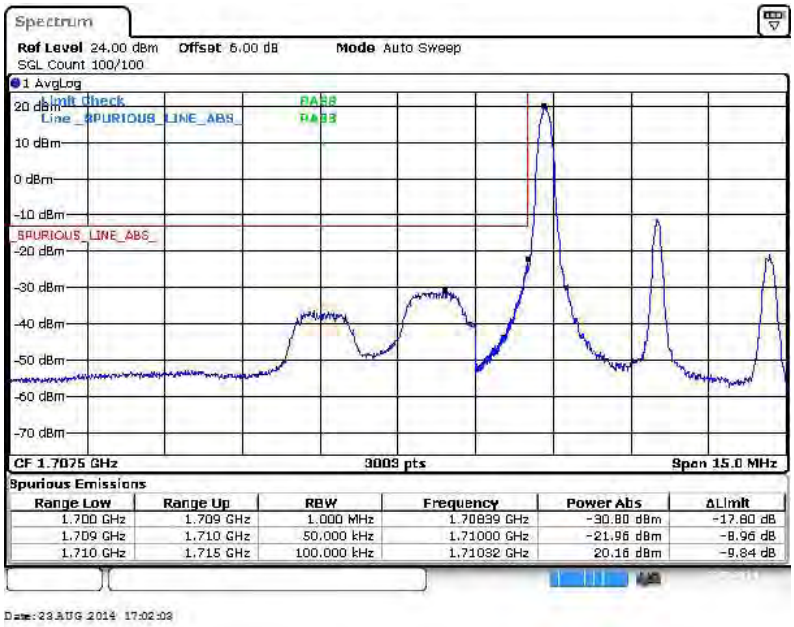


Higher Band Edge Plot for 16QAM-RB Size 15, RB Offset 0

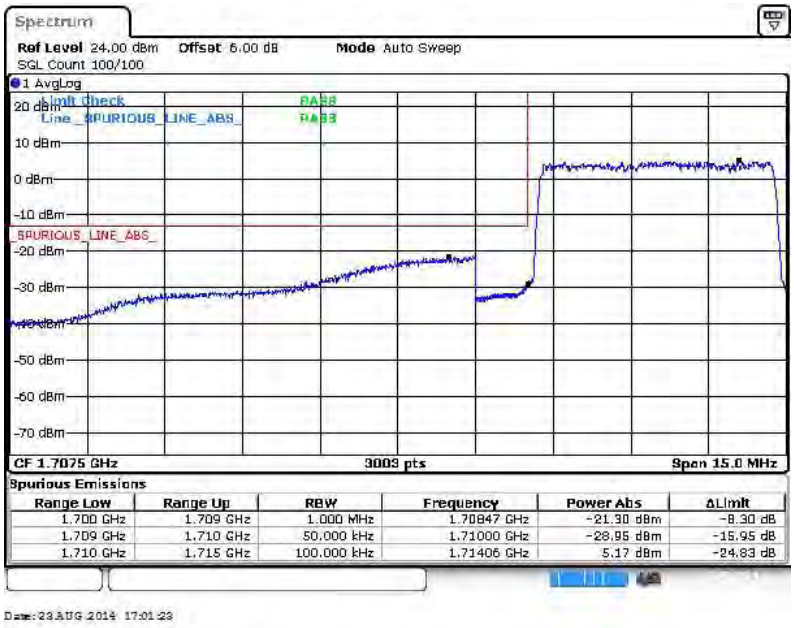


Band :	LTE Band 4	Band Width :	5MHz / QPSK

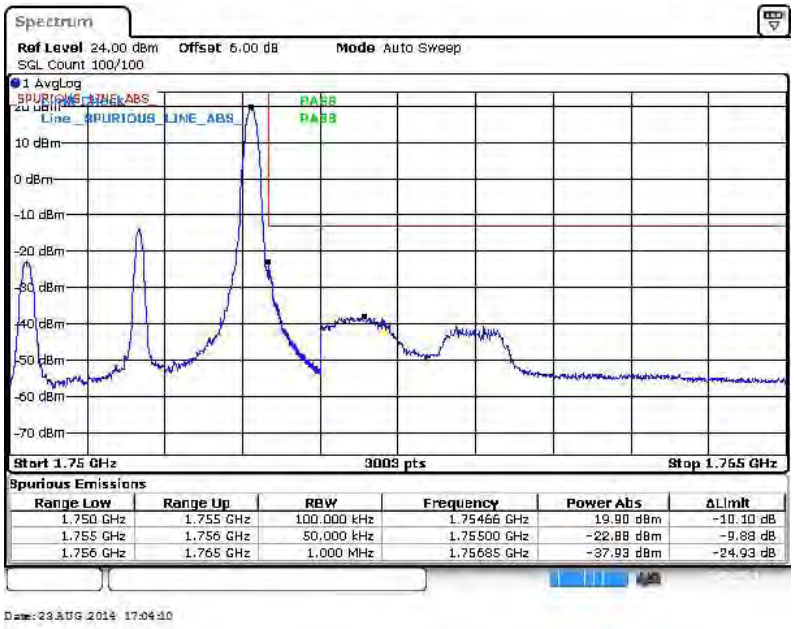
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



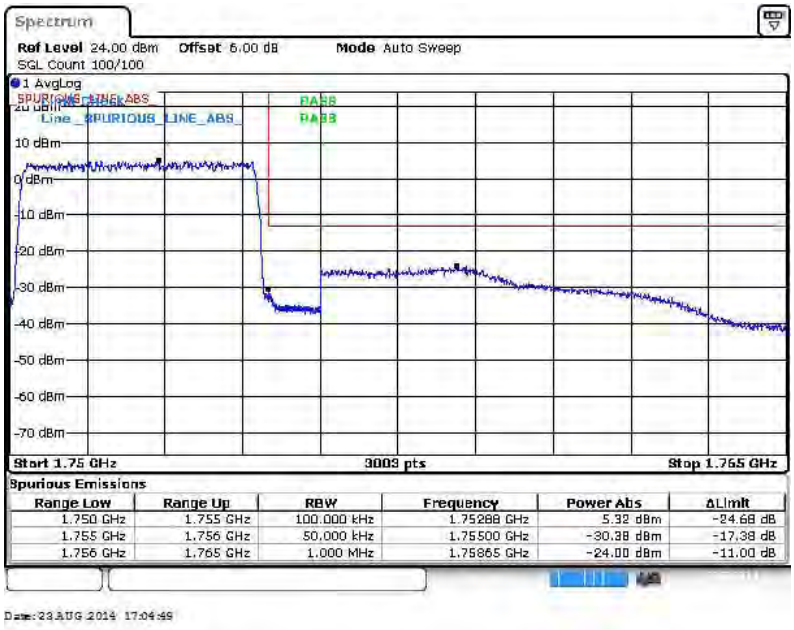
Lower Band Edge Plot for QPSK-RB Size 25, RB Offset 0



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

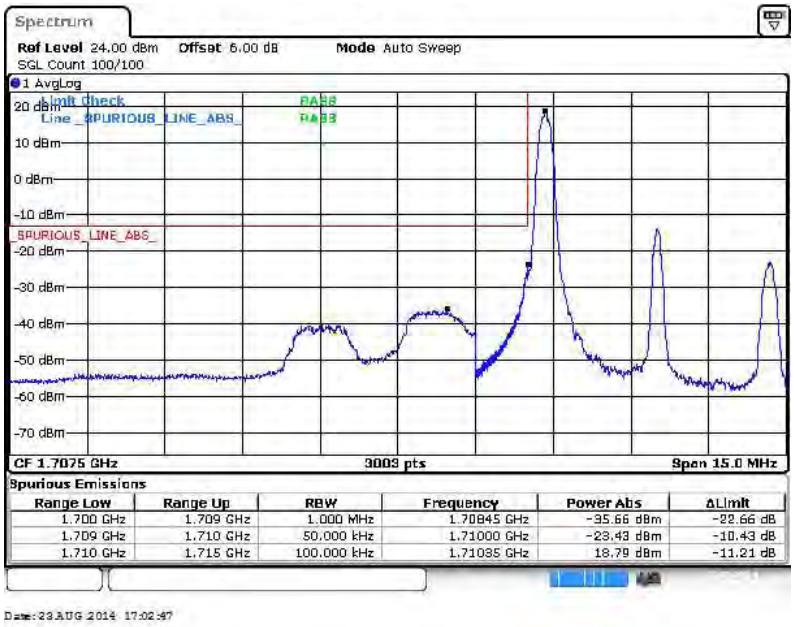


Higher Band Edge Plot for QPSK-RB Size 25, RB Offset 0

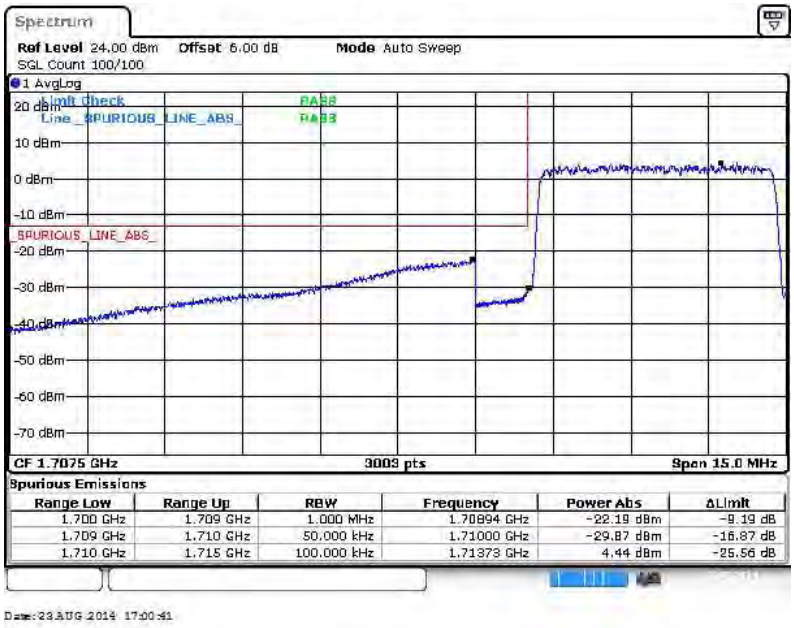


Band :	LTE Band 4	Band Width :	5MHz / 16QAM

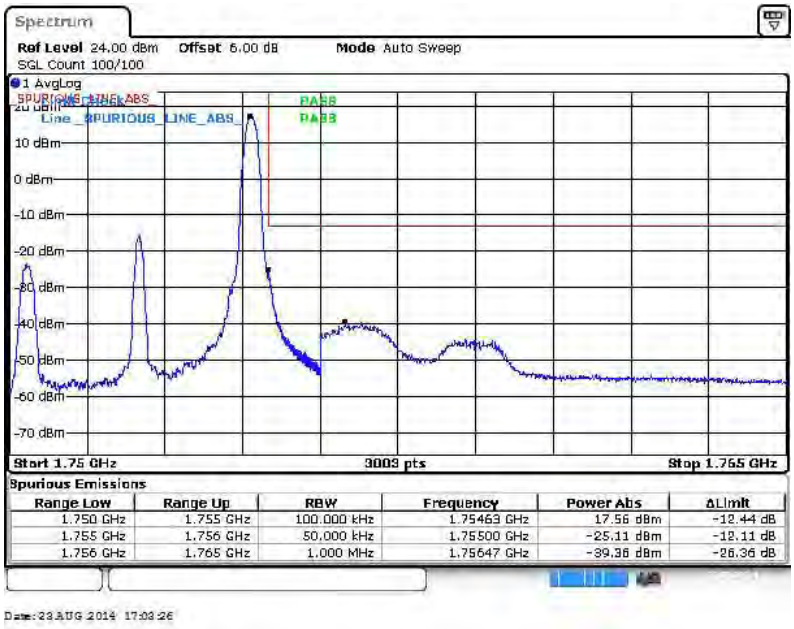
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



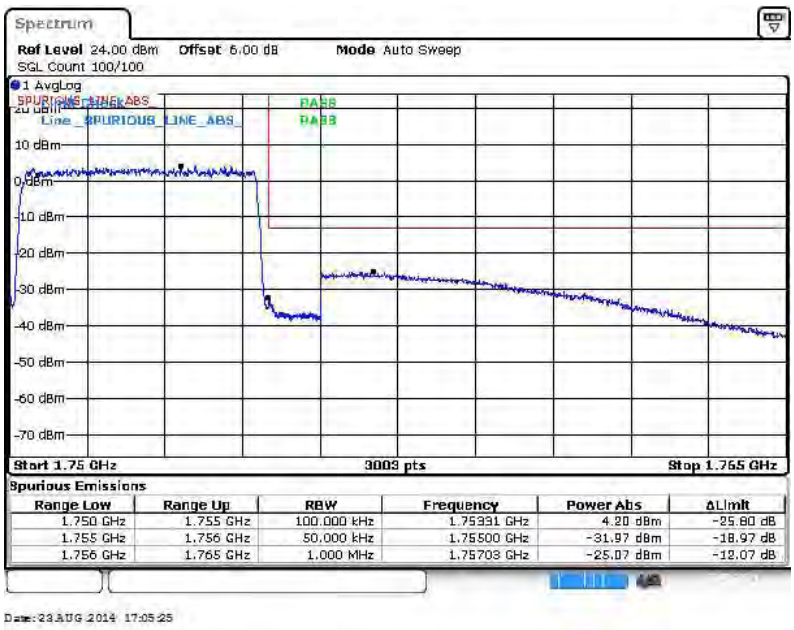
Lower Band Edge Plot for 16QAM-RB Size 25, RB Offset 0



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

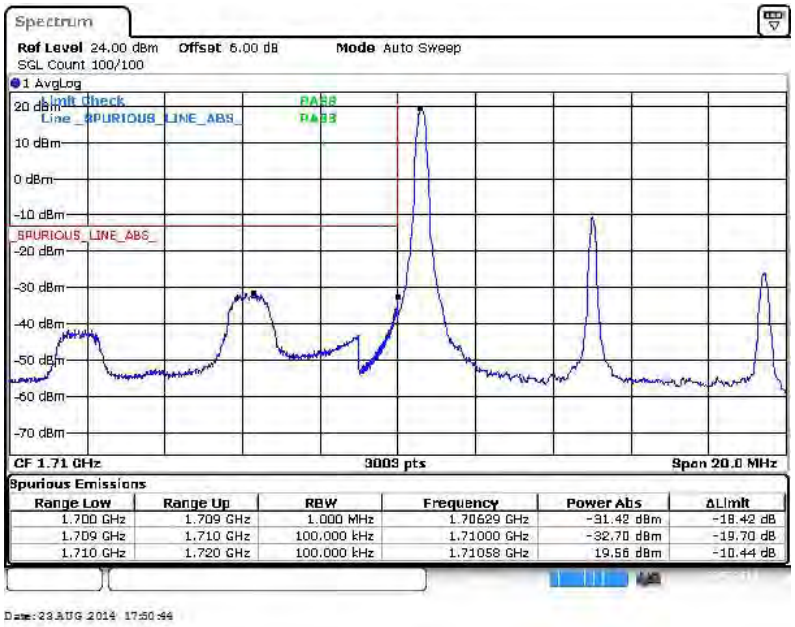


Higher Band Edge Plot for 16QAM-RB Size 25, RB Offset 0

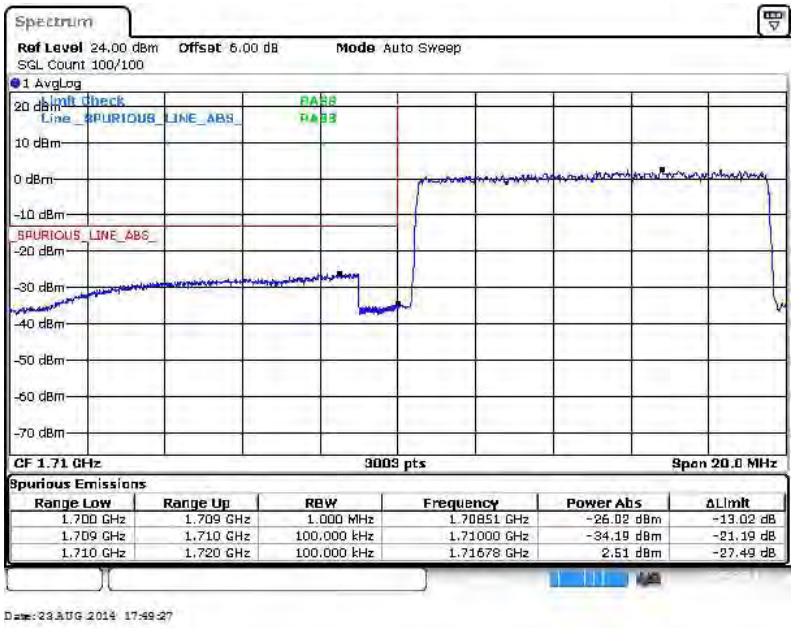


Band :	LTE Band 4	Band Width :	10MHz / QPSK

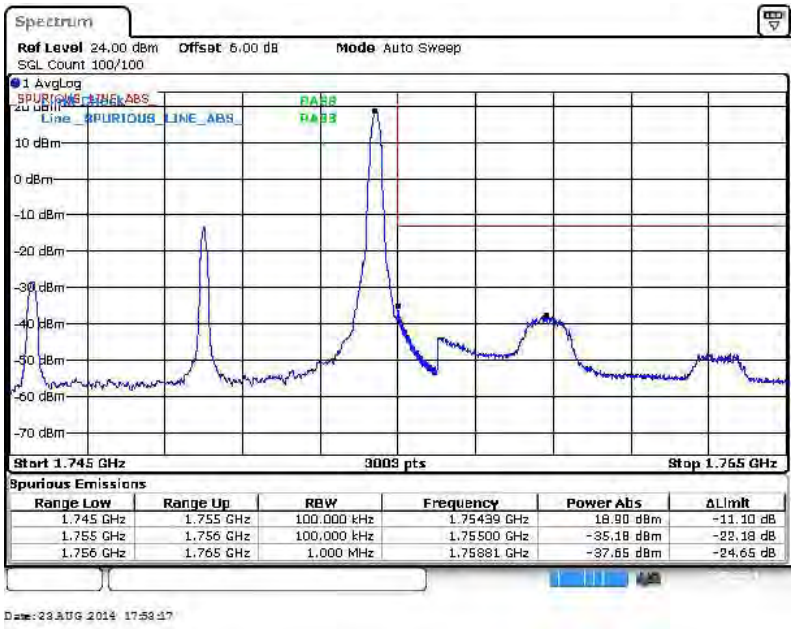
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



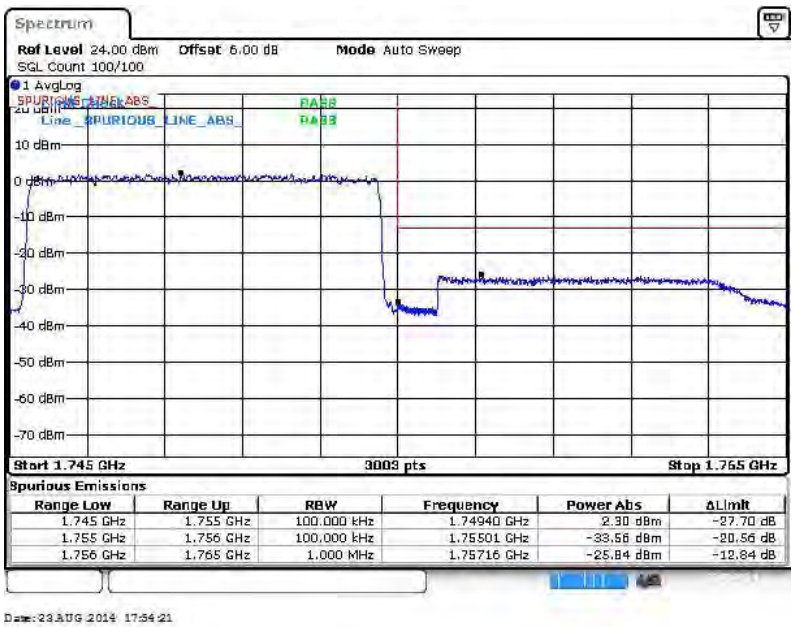
Lower Band Edge Plot for QPSK-RB Size 50, RB Offset 0



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

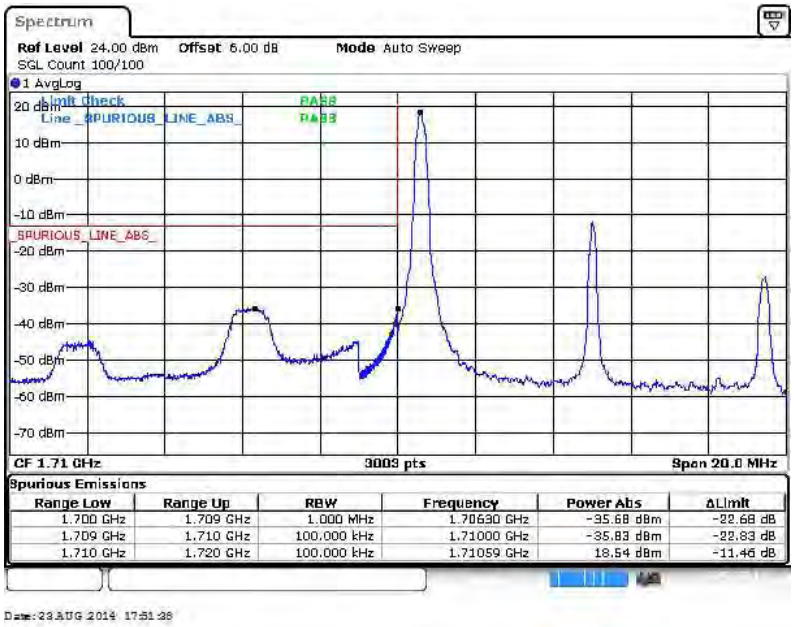


Higher Band Edge Plot for QPSK-RB Size 50, RB Offset 0

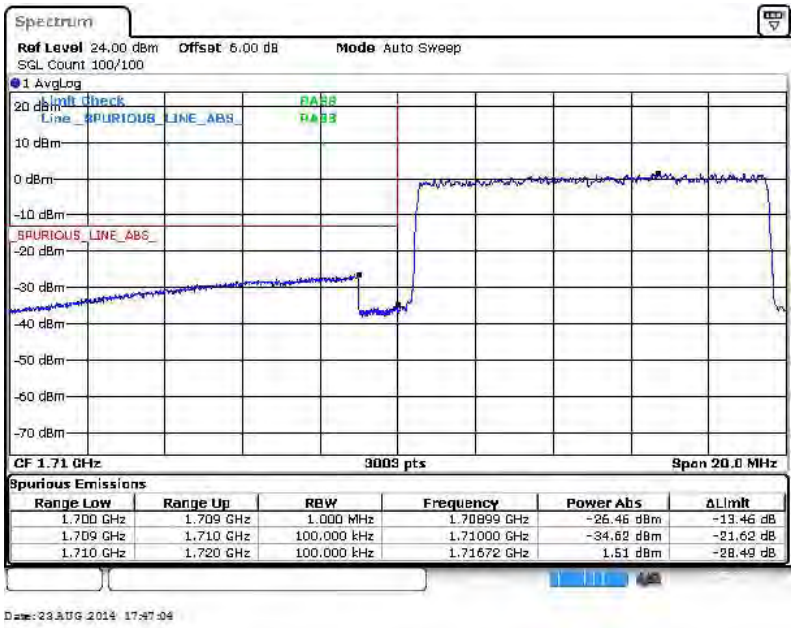


Band :	LTE Band 4	Band Width :	10MHz / 16QAM

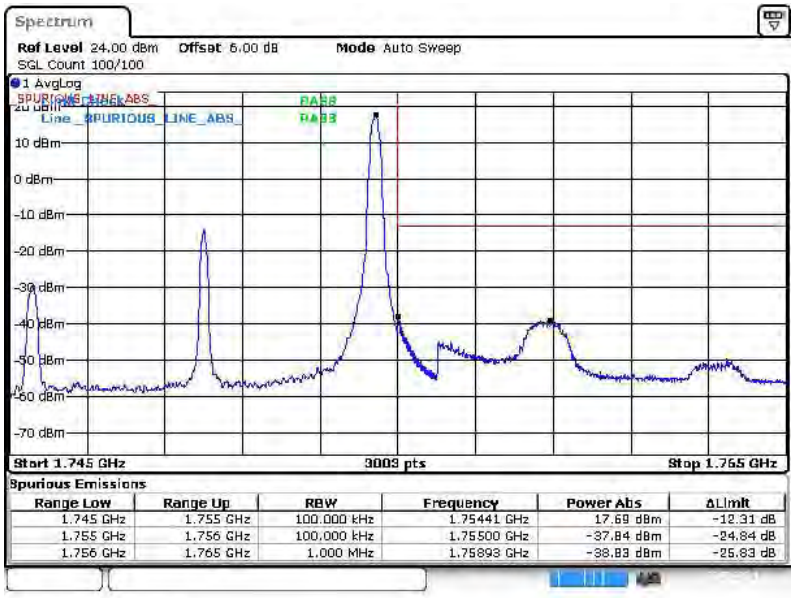
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



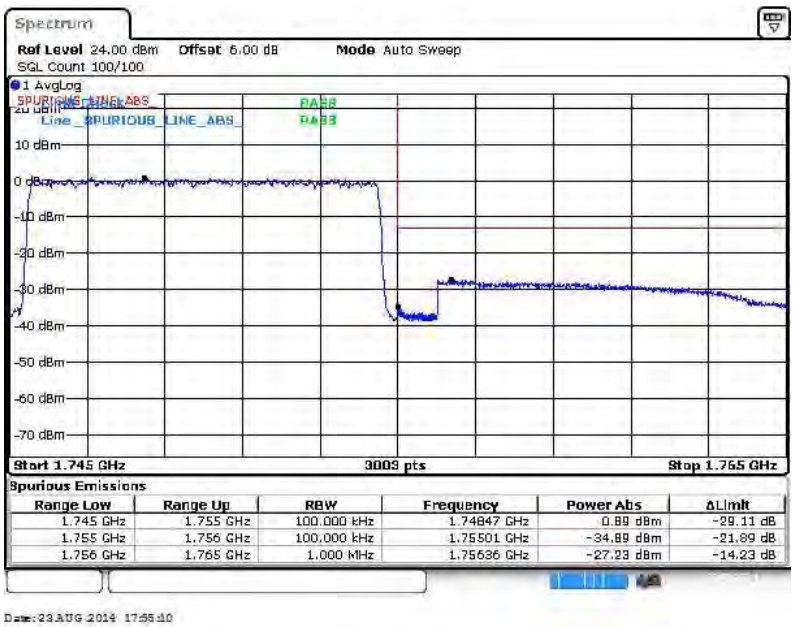
Lower Band Edge Plot for 16QAM-RB Size 50, RB Offset 0



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

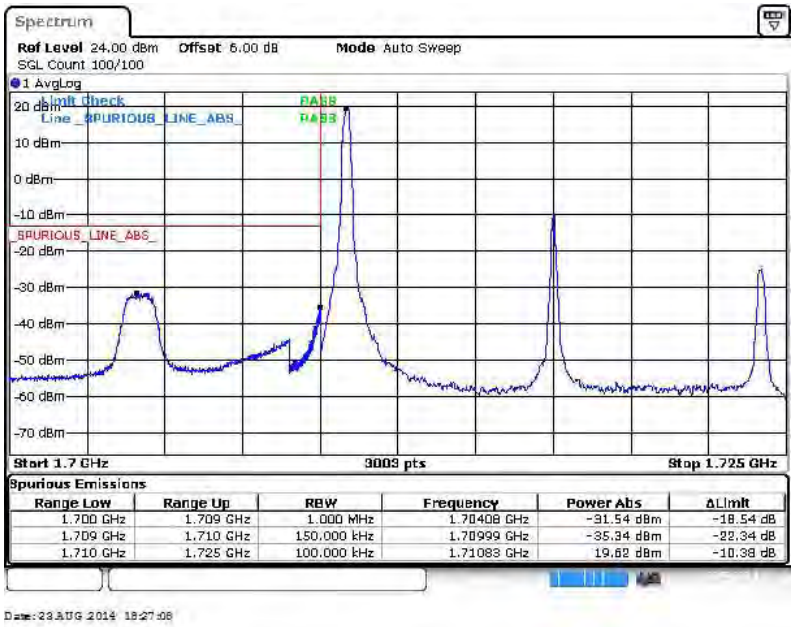


Higher Band Edge Plot for 16QAM-RB Size 50, RB Offset 0

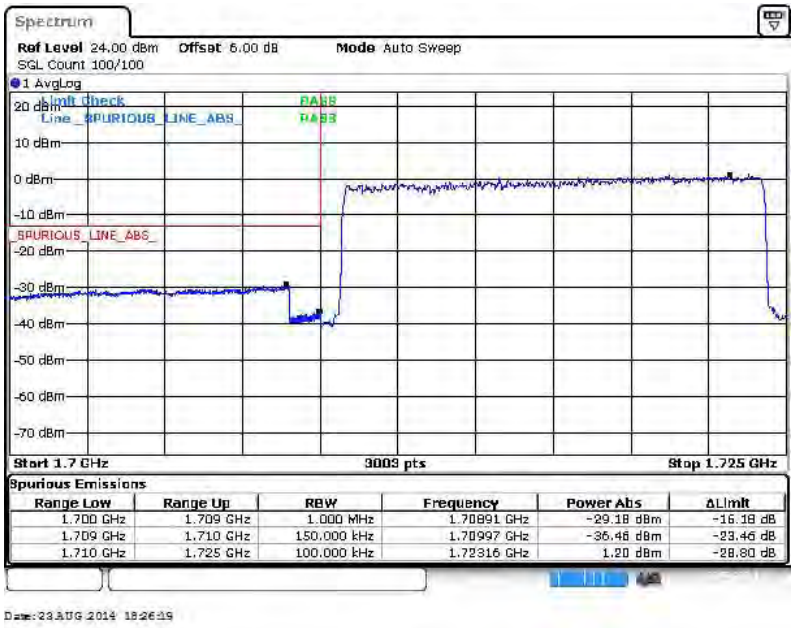


Band :	LTE Band 4	Band Width :	15MHz / QPSK

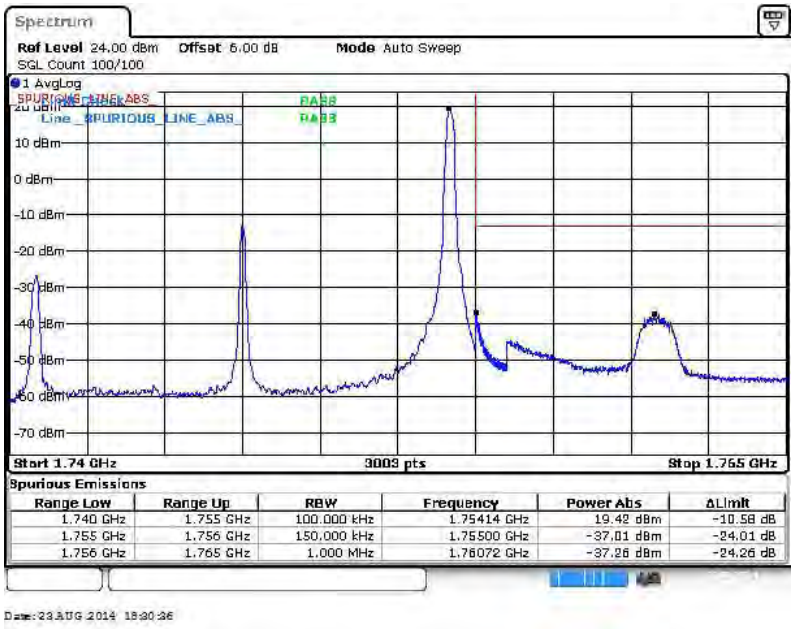
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



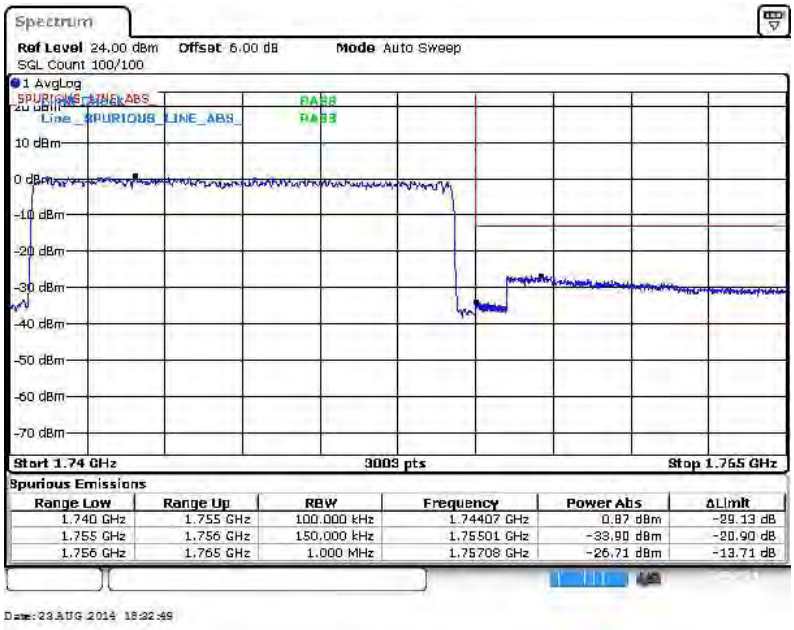
Lower Band Edge Plot for QPSK-RB Size 75, RB Offset 0



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

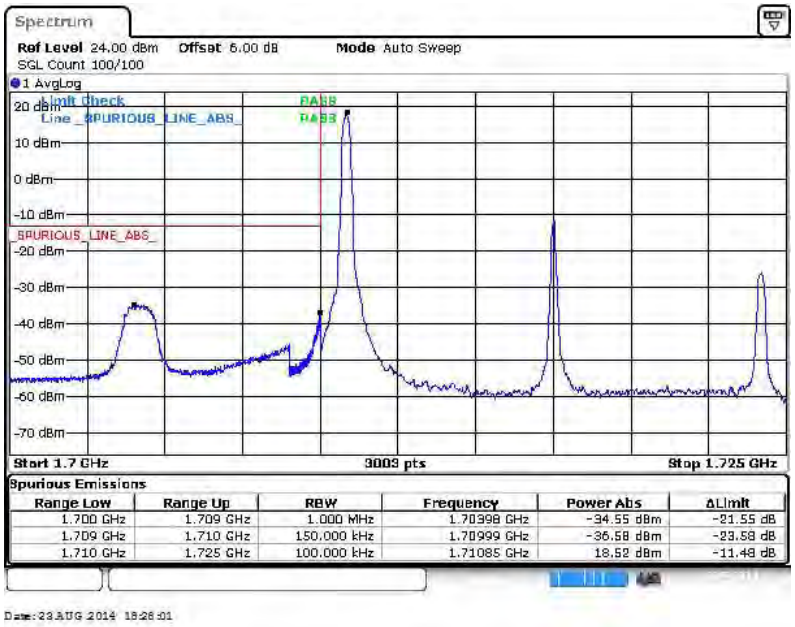


Higher Band Edge Plot for QPSK-RB Size 75, RB Offset 0

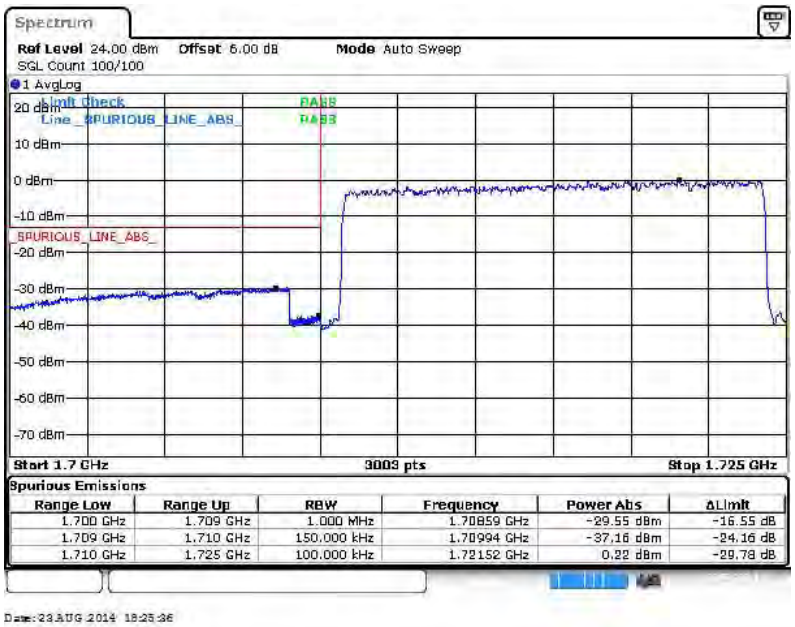


Band :	LTE Band 4	Band Width :	15MHz / 16QAM

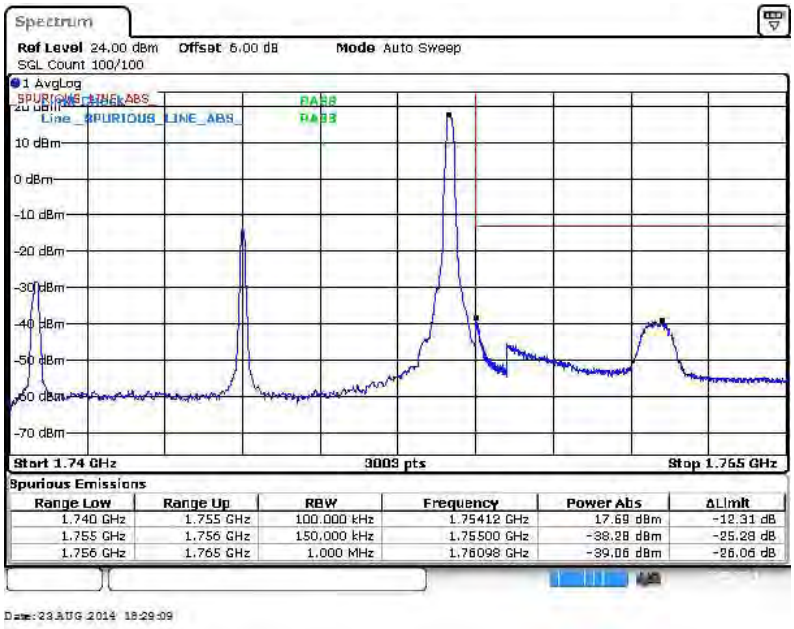
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



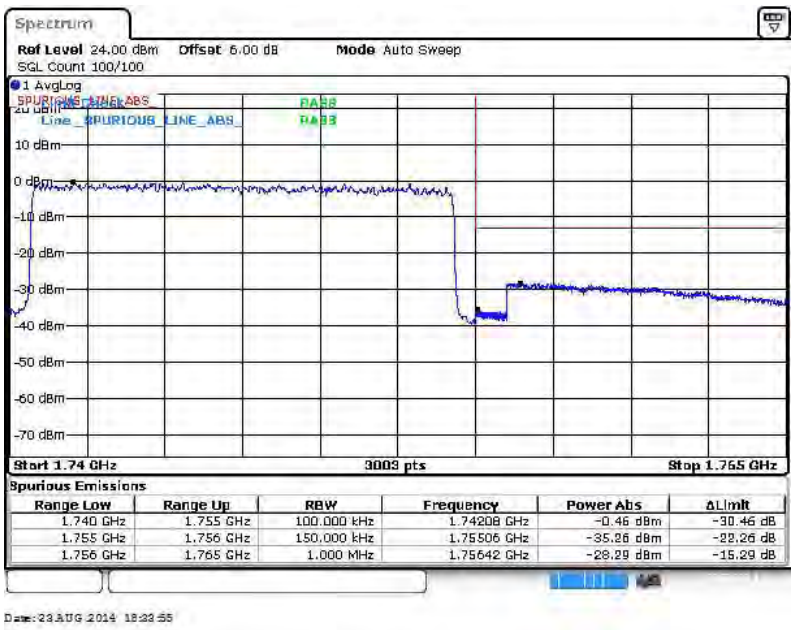
Lower Band Edge Plot for 16QAM-RB Size 75, RB Offset 0



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

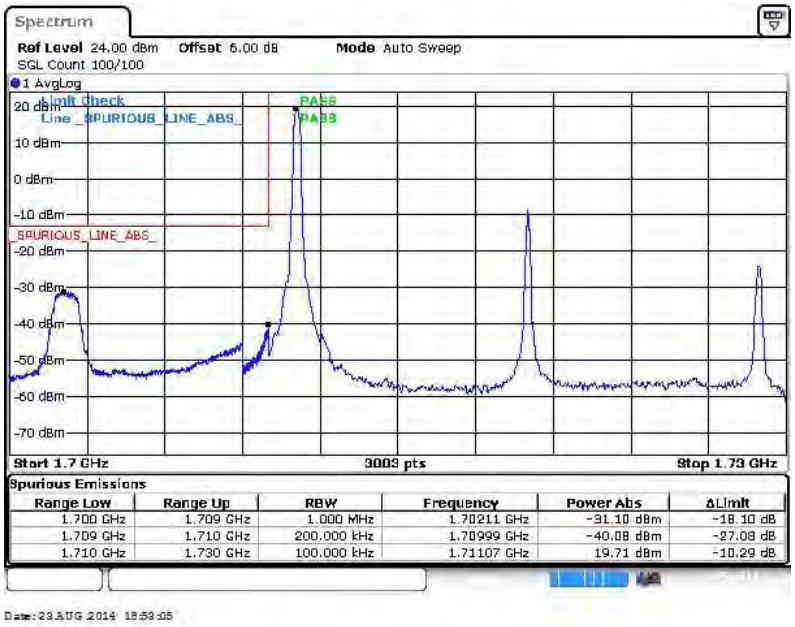


Higher Band Edge Plot for 16QAM-RB Size 75, RB Offset 0

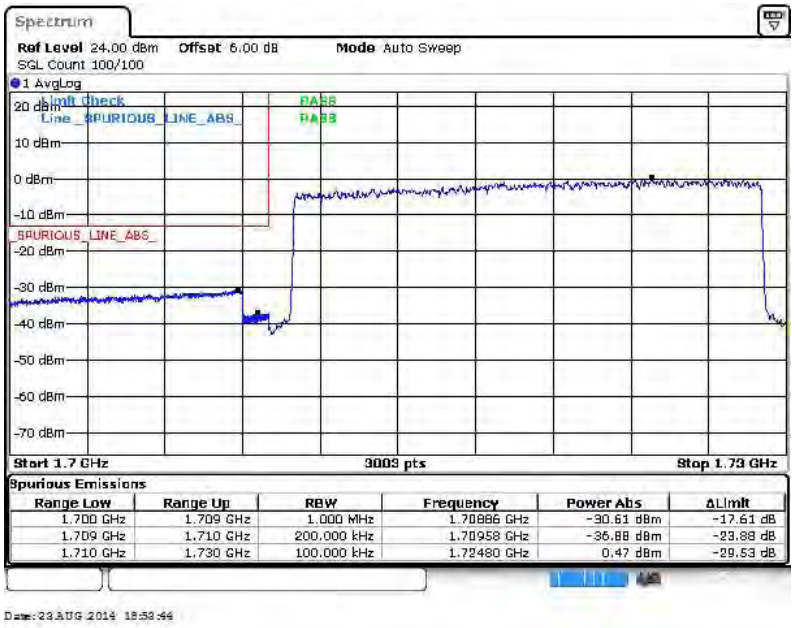


Band :	LTE Band 4	Band Width :	20MHz / QPSK

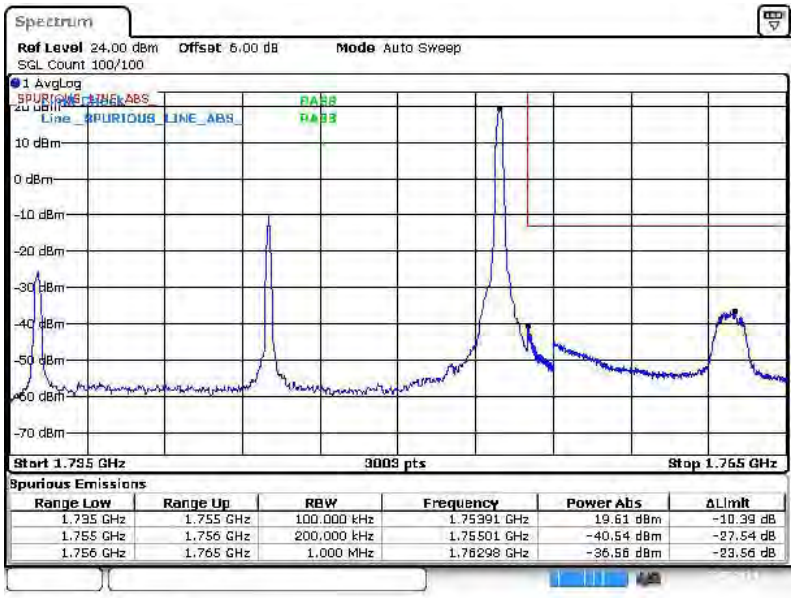
Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0



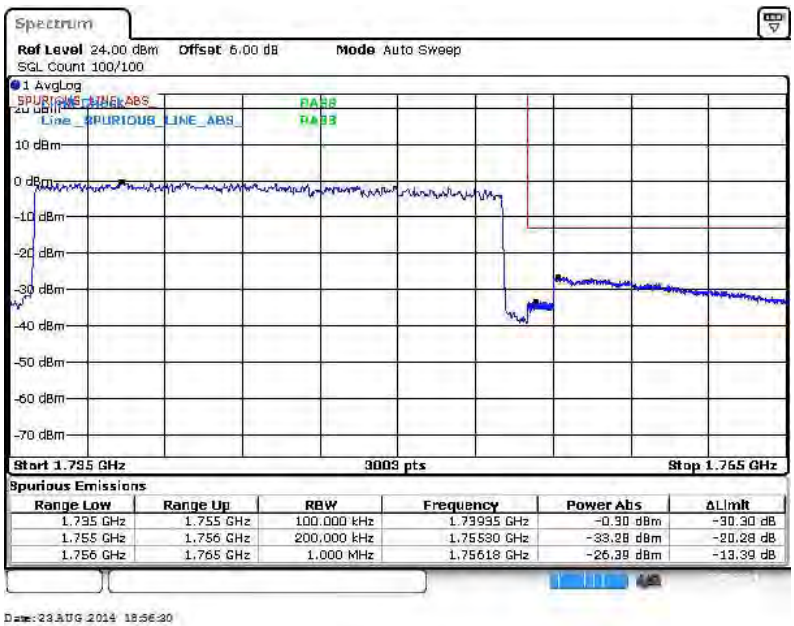
Lower Band Edge Plot for QPSK-RB Size 100, RB Offset 0



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

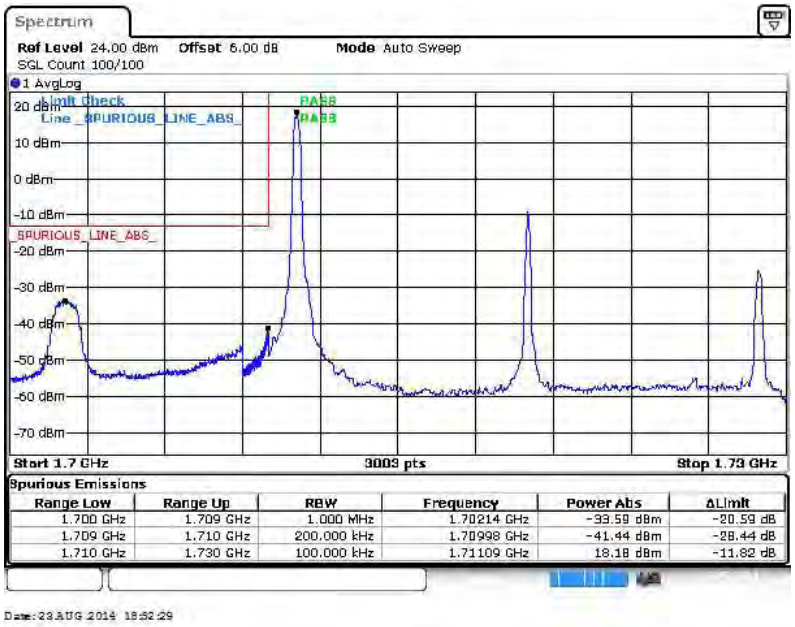


Higher Band Edge Plot for QPSK-RB Size 100, RB Offset 0

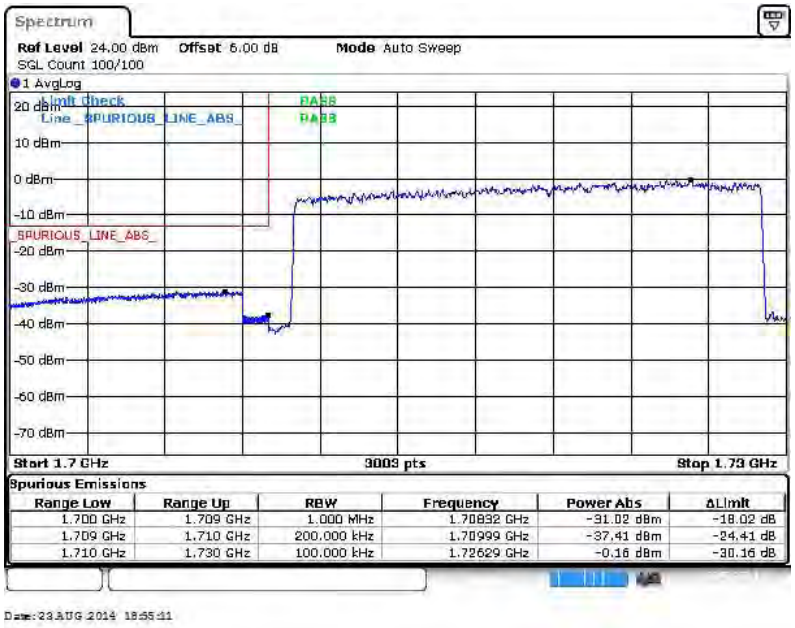


Band :	LTE Band 4	Band Width :	20MHz / 16QAM

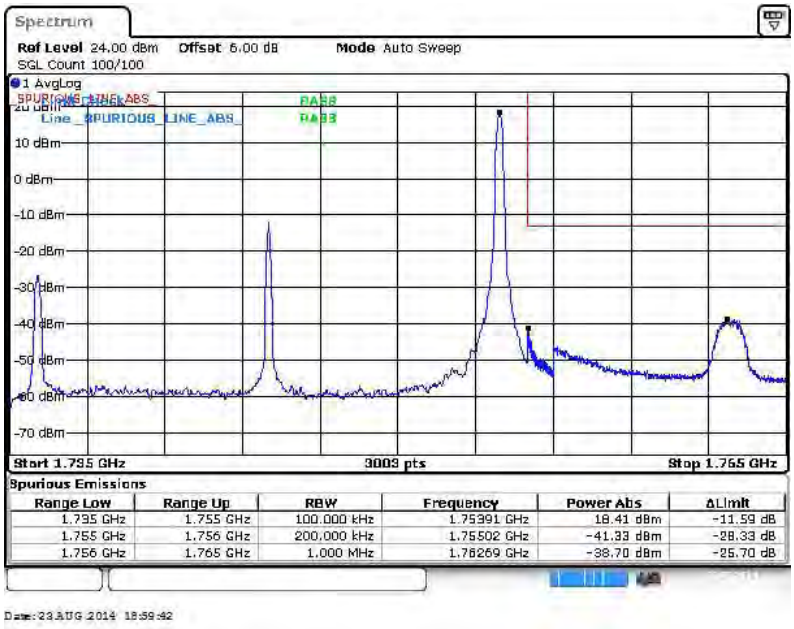
Lower Band Edge Plot for 16QAM-RB Size 1, RB Offset 0



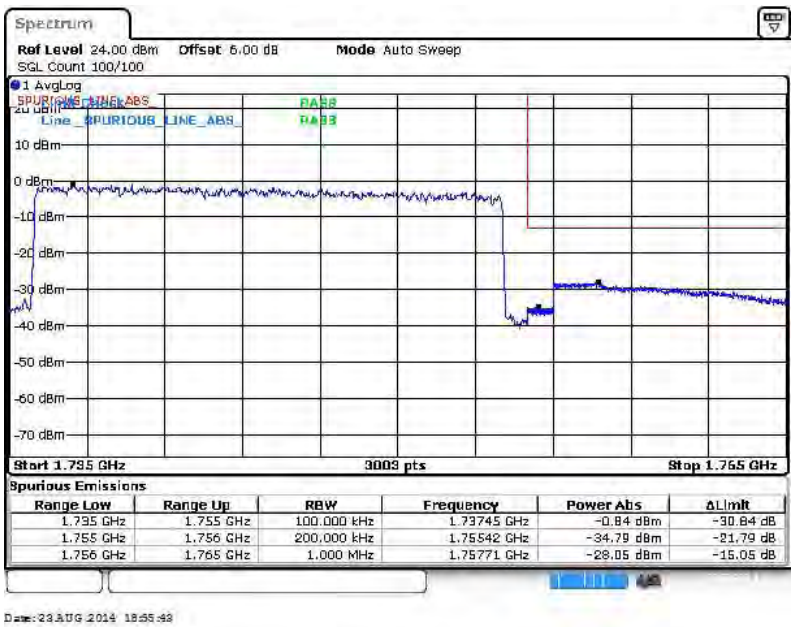
Lower Band Edge Plot for 16QAM-RB Size 100, RB Offset 0



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



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

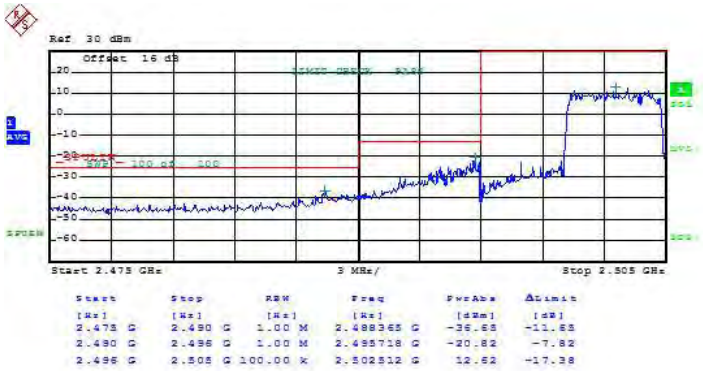


Band :	LTE Band 7	Band Width :	5MHz / QPSK

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

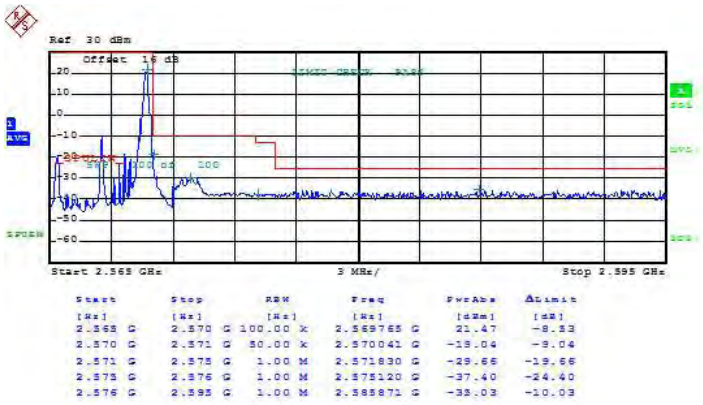
Date: 28.AUG.2014 17:10:05

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



Date: 28.AUG.2014 17:07:51

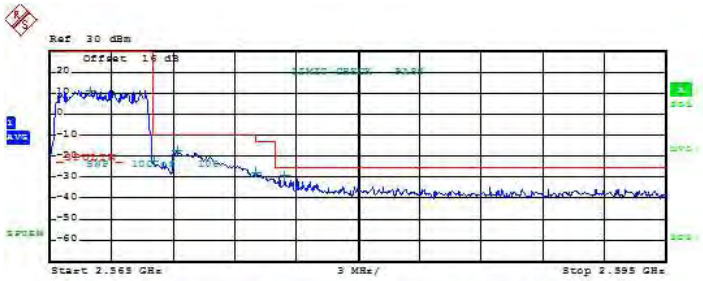
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 24



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.563 G	2.570 G	100.00 k	2.569765 G	21.47	-8.53
2.570 G	2.571 G	50.00 k	2.570041 G	-13.04	-9.04
2.571 G	2.575 G	1.00 M	2.571830 G	-29.66	-19.66
2.575 G	2.576 G	1.00 M	2.575120 G	-37.40	-24.40
2.576 G	2.595 G	1.00 M	2.588871 G	-38.03	-10.03

Date: 28.AUG.2014 17:27:25

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.563 G	2.570 G	100.00 k	2.568962 G	11.17	-18.83
2.570 G	2.571 G	50.00 k	2.570022 G	-22.25	-12.25
2.571 G	2.575 G	1.00 M	2.571196 G	-17.00	-7.00
2.575 G	2.576 G	1.00 M	2.575017 G	-27.45	-14.45
2.576 G	2.595 G	1.00 M	2.576408 G	-29.45	-4.45

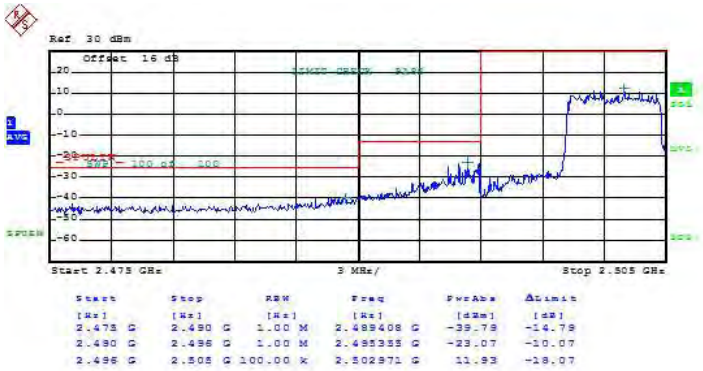
Date: 28.AUG.2014 17:26:22

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

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

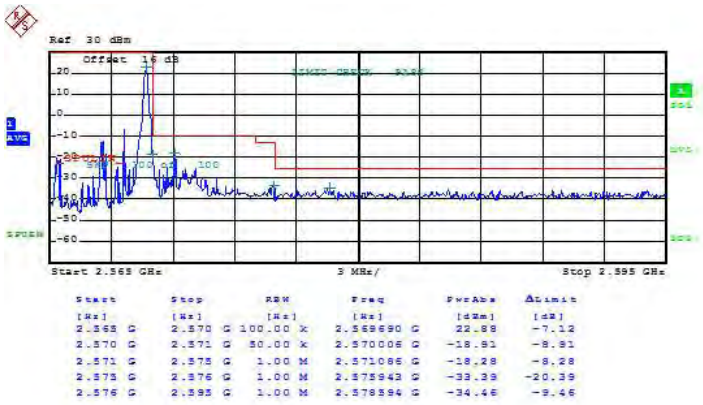
Date: 28.AUG.2014 17:11:12

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



Date: 28.AUG.2014 17:07:01

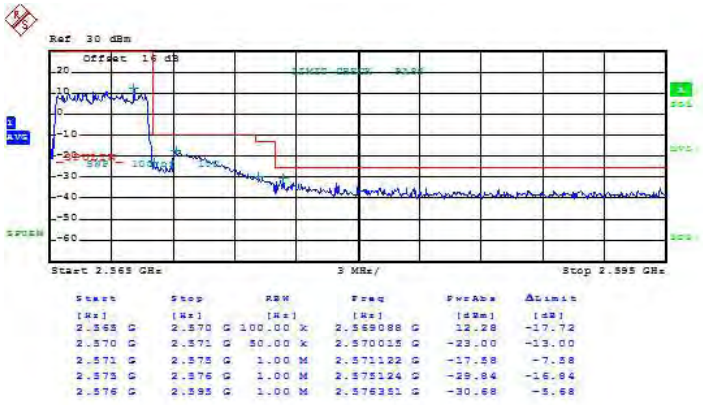
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 24



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.565 G	2.570 G	100.00 k	2.569690 G	22.88	-7.12
2.570 G	2.571 G	50.00 k	2.570006 G	-18.91	-8.91
2.571 G	2.575 G	1.00 M	2.571086 G	-18.28	-8.28
2.575 G	2.576 G	1.00 M	2.575942 G	-33.39	-20.39
2.576 G	2.595 G	1.00 M	2.578894 G	-34.46	-9.46

Date: 28.AUG.2014 17:29:45

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

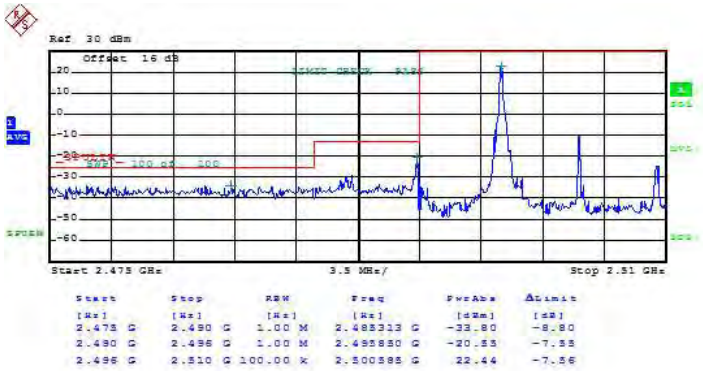


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.565 G	2.570 G	100.00 k	2.569088 G	12.28	-17.72
2.570 G	2.571 G	50.00 k	2.570015 G	-23.00	-13.00
2.571 G	2.575 G	1.00 M	2.571122 G	-17.58	-7.58
2.575 G	2.576 G	1.00 M	2.575124 G	-29.84	-16.84
2.576 G	2.595 G	1.00 M	2.576351 G	-30.68	-5.68

Date: 28.AUG.2014 17:25:24

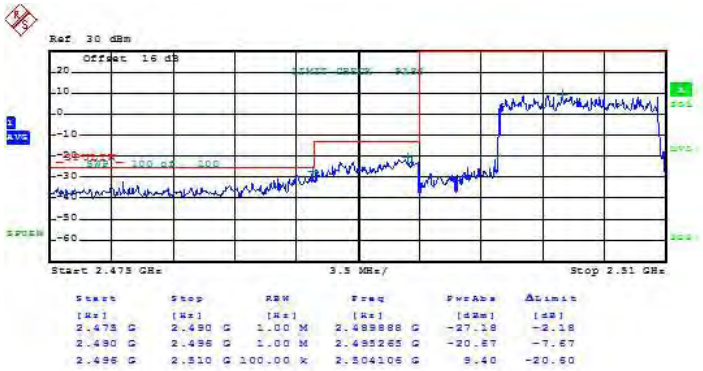
Band :	LTE Band 7	Band Width :	10MHz / QPSK

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



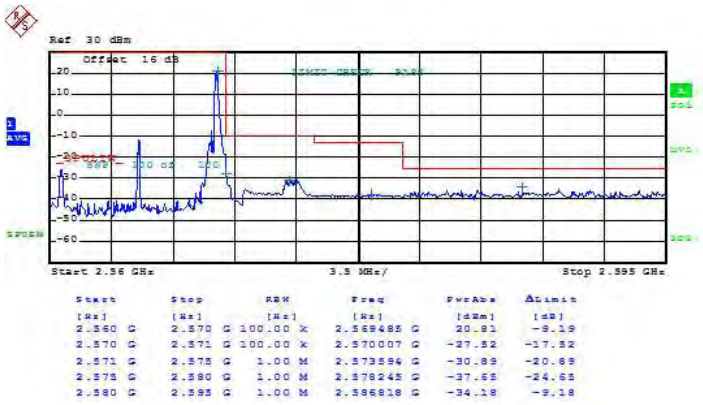
Date: 28.AUG.2014 17:38:16

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



Date: 28.AUG.2014 17:39:19

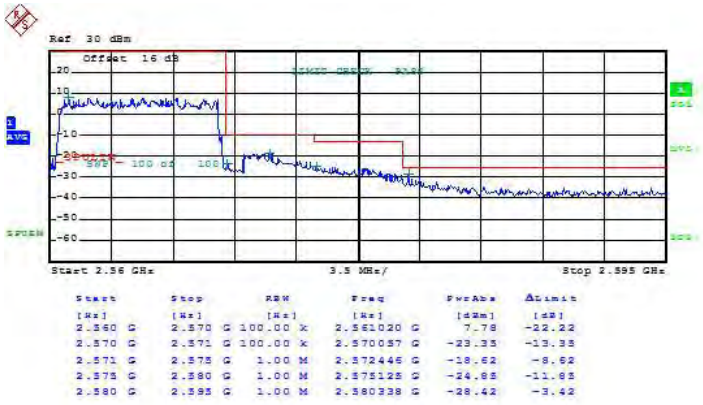
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 49



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.560 G	2.570 G	100.00 k	2.569485 G	20.81	-9.19
2.570 G	2.571 G	100.00 k	2.570007 G	-27.52	-17.52
2.571 G	2.575 G	1.00 M	2.573594 G	-30.89	-20.89
2.575 G	2.580 G	1.00 M	2.578245 G	-37.65	-24.65
2.580 G	2.595 G	1.00 M	2.586818 G	-34.18	-9.18

Date: 28.AUG.2014 17:35:07

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

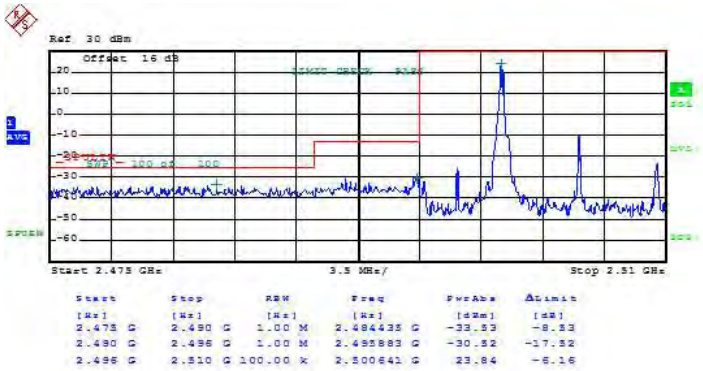


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.560 G	2.570 G	100.00 k	2.561020 G	7.78	-22.22
2.570 G	2.571 G	100.00 k	2.570057 G	-23.35	-13.35
2.571 G	2.575 G	1.00 M	2.572445 G	-18.62	-8.62
2.575 G	2.580 G	1.00 M	2.575125 G	-24.65	-11.65
2.580 G	2.595 G	1.00 M	2.580338 G	-28.42	-3.42

Date: 28.AUG.2014 17:33:38

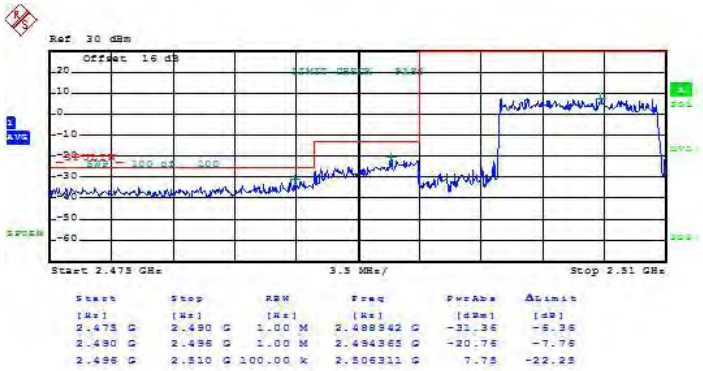
Band :	LTE Band 7	Band Width :	10MHz / 16QAM

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



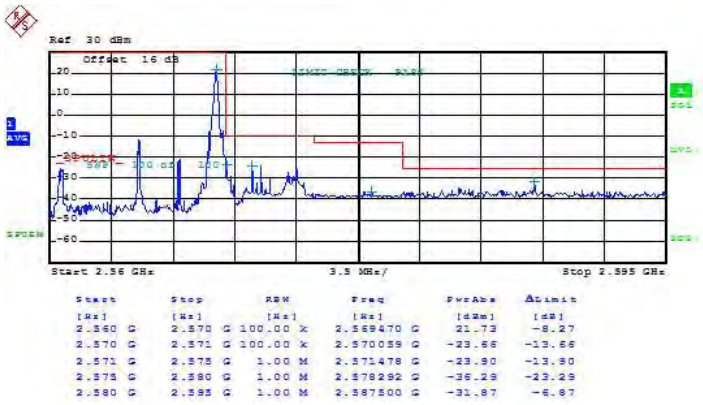
Date: 28.AUG.2014 17:37:30

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



Date: 28.AUG.2014 17:40:00

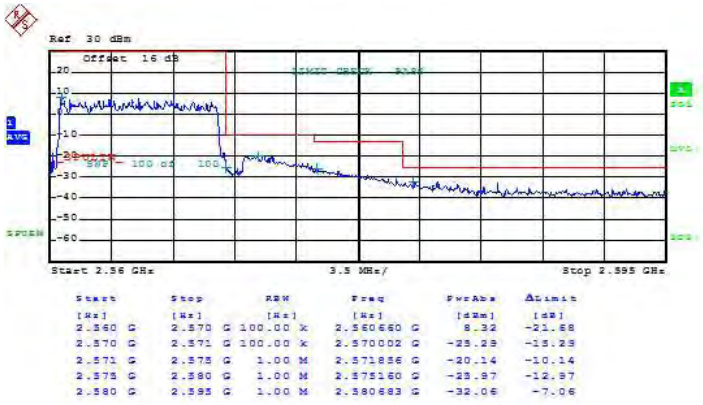
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 49



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.560 G	2.570 G	100.00 k	2.569470 G	21.73	-8.27
2.570 G	2.571 G	100.00 k	2.570059 G	-23.66	-13.66
2.571 G	2.575 G	1.00 M	2.571478 G	-23.90	-13.90
2.575 G	2.580 G	1.00 M	2.578292 G	-36.29	-23.29
2.580 G	2.595 G	1.00 M	2.587500 G	-31.87	-6.87

Date: 28.AUG.2014 17:36:05

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

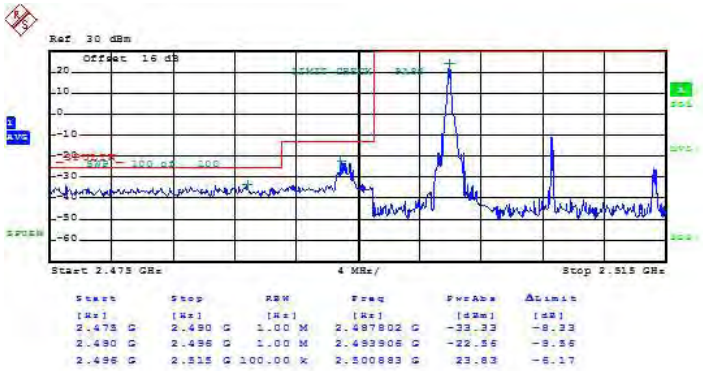


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.560 G	2.570 G	100.00 k	2.560660 G	8.32	-21.68
2.570 G	2.571 G	100.00 k	2.570002 G	-23.29	-15.29
2.571 G	2.575 G	1.00 M	2.571856 G	-20.14	-10.14
2.575 G	2.580 G	1.00 M	2.575160 G	-23.97	-12.97
2.580 G	2.595 G	1.00 M	2.580683 G	-32.06	-7.06

Date: 28.AUG.2014 17:32:32

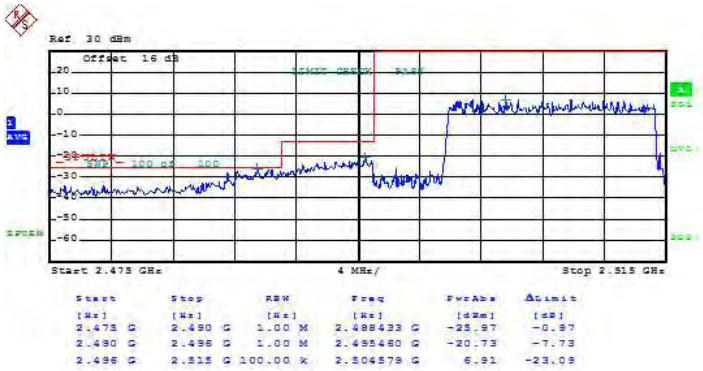
Band :	LTE Band 4	Band Width :	15MHz / QPSK

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



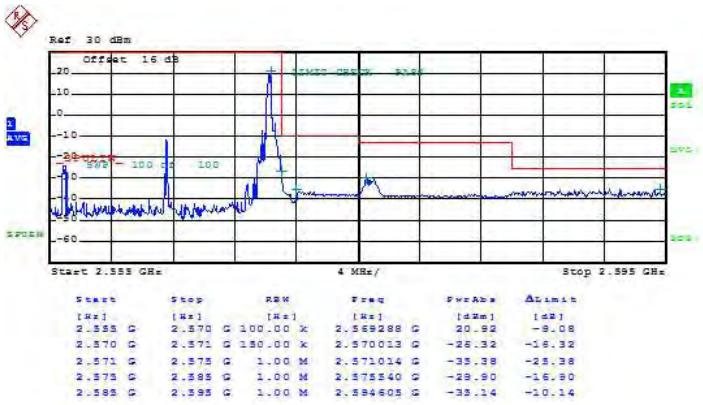
Date: 28.AUG.2014 17:43:19

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



Date: 28.AUG.2014 17:42:44

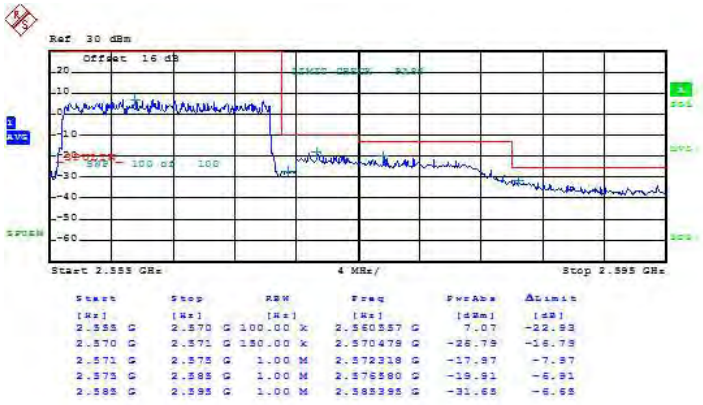
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 74



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.569288 G	20.92	-9.08
2.570 G	2.571 G	150.00 k	2.570013 G	-26.32	-16.32
2.571 G	2.575 G	1.00 M	2.571014 G	-33.38	-25.38
2.575 G	2.585 G	1.00 M	2.575540 G	-29.90	-16.90
2.585 G	2.595 G	1.00 M	2.594605 G	-33.14	-10.14

Date: 28.AUG.2014 17:47:37

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

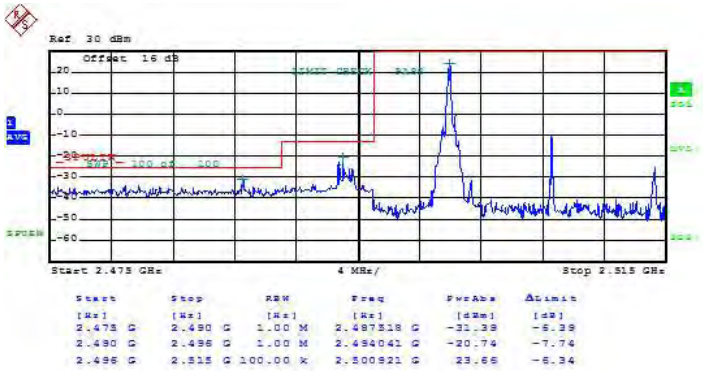


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.560557 G	7.07	-22.93
2.570 G	2.571 G	150.00 k	2.570479 G	-26.79	-16.79
2.571 G	2.575 G	1.00 M	2.572318 G	-17.97	-7.97
2.575 G	2.585 G	1.00 M	2.576580 G	-19.91	-6.91
2.585 G	2.595 G	1.00 M	2.585395 G	-31.65	-6.65

Date: 28.AUG.2014 17:51:30

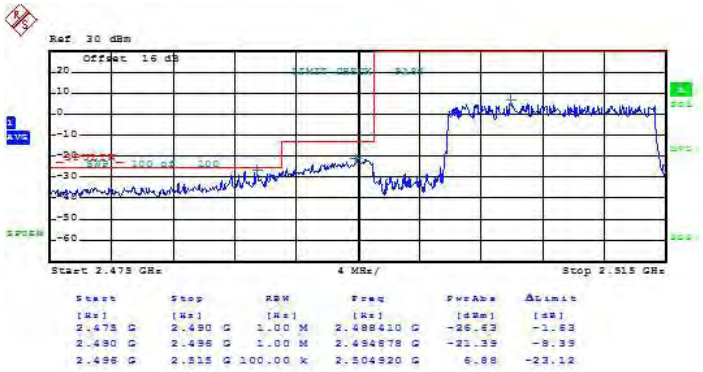
Band :	LTE Band 7	Band Width :	15MHz / 16QAM

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



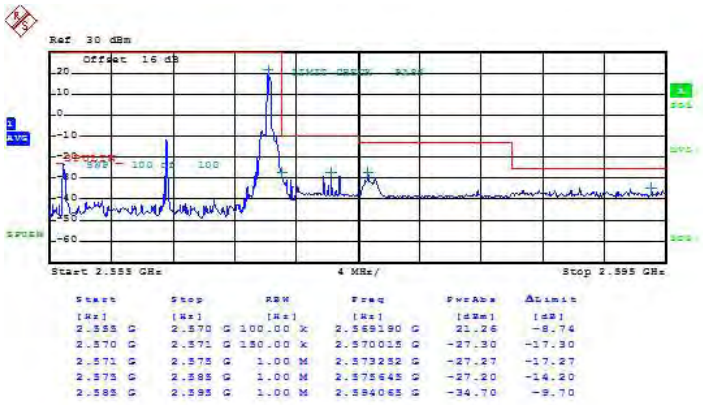
Date: 28.AUG.2014 17:43:54

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



Date: 28.AUG.2014 17:42:06

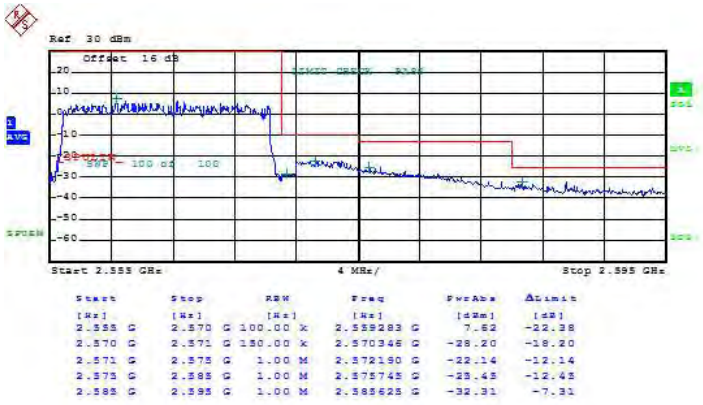
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 74



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.569190 G	21.26	-8.74
2.570 G	2.571 G	150.00 k	2.570015 G	-27.30	-17.30
2.571 G	2.575 G	1.00 M	2.573252 G	-27.27	-17.27
2.575 G	2.585 G	1.00 M	2.575645 G	-27.20	-14.20
2.585 G	2.595 G	1.00 M	2.594065 G	-34.70	-9.70

Date: 28.AUG.2014 17:46:04

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

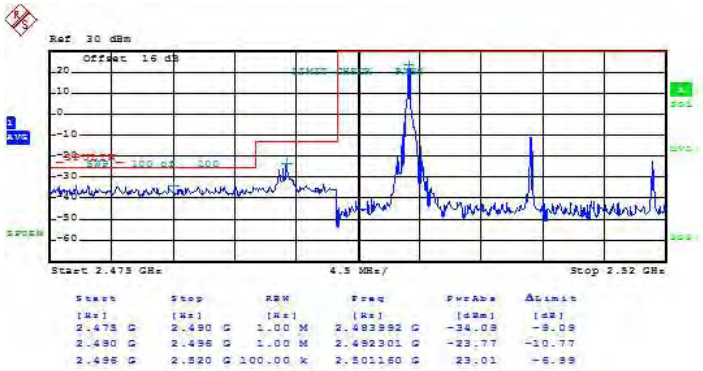


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.555 G	2.570 G	100.00 k	2.559283 G	7.62	-22.38
2.570 G	2.571 G	150.00 k	2.570346 G	-28.20	-18.20
2.571 G	2.575 G	1.00 M	2.572190 G	-22.14	-12.14
2.575 G	2.585 G	1.00 M	2.575745 G	-23.45	-12.45
2.585 G	2.595 G	1.00 M	2.585625 G	-32.31	-7.31

Date: 28.AUG.2014 18:20:45

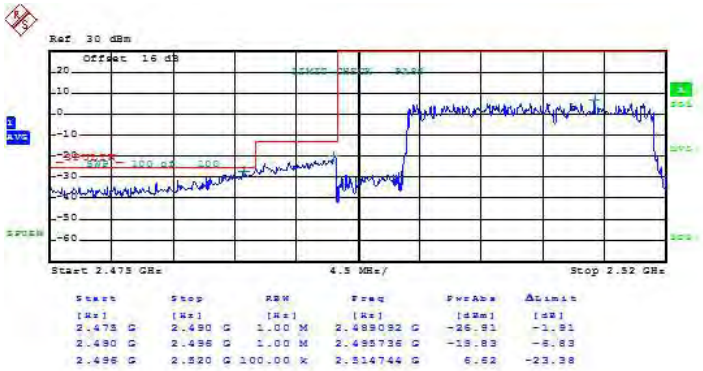
Band :	LTE Band 7	Band Width :	20MHz / QPSK

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



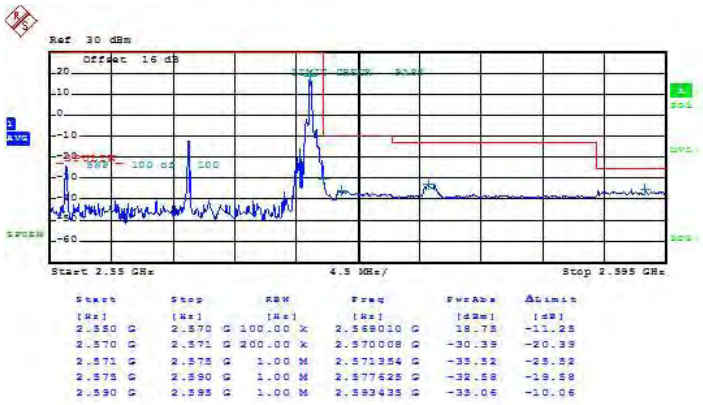
Date: 28.AUG.2014 18:37:05

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



Date: 28.AUG.2014 18:38:11

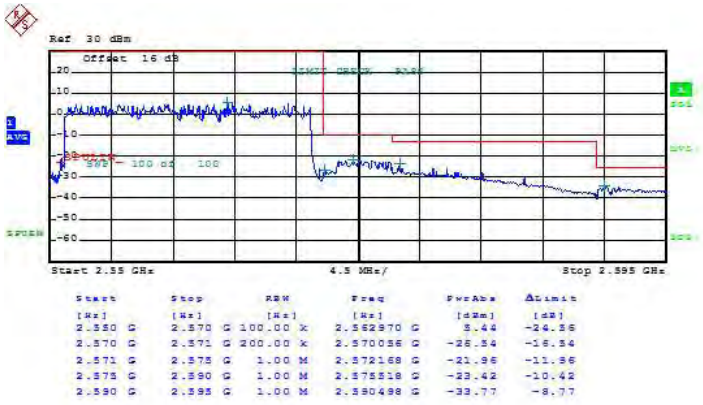
Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 99



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.569010 G	18.75	-11.25
2.570 G	2.571 G	200.00 k	2.570008 G	-30.39	-20.39
2.571 G	2.575 G	1.00 M	2.571354 G	-33.52	-23.52
2.575 G	2.590 G	1.00 M	2.577625 G	-32.58	-19.58
2.590 G	2.595 G	1.00 M	2.593435 G	-33.06	-10.06

Date: 28.AUG.2014 18:33:21

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

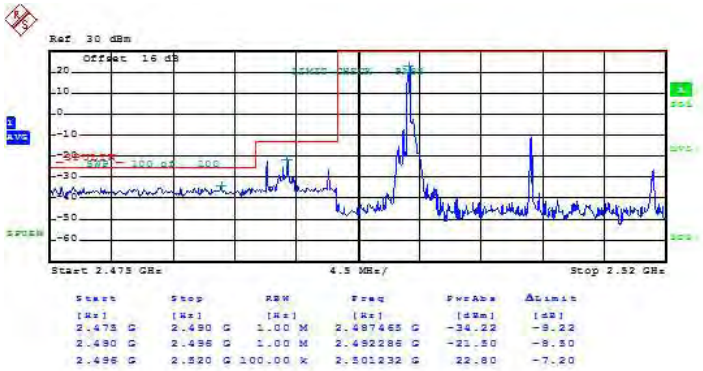


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.562970 G	5.44	-24.56
2.570 G	2.571 G	200.00 k	2.570056 G	-26.54	-16.54
2.571 G	2.575 G	1.00 M	2.572168 G	-21.96	-11.96
2.575 G	2.590 G	1.00 M	2.575518 G	-23.42	-10.42
2.590 G	2.595 G	1.00 M	2.590498 G	-33.77	-8.77

Date: 28.AUG.2014 18:28:26

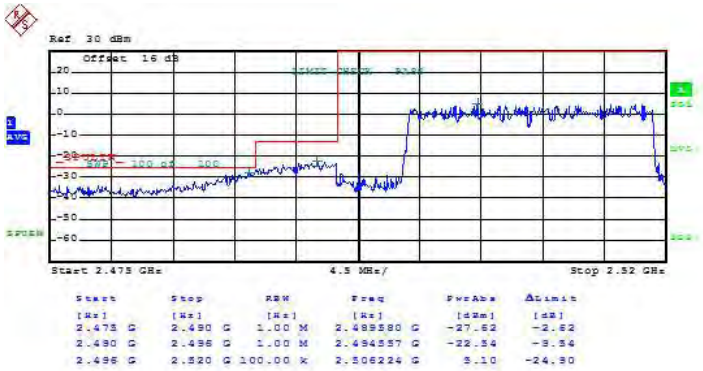
Band :	LTE Band 7	Band Width :	20MHz / 16QAM

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



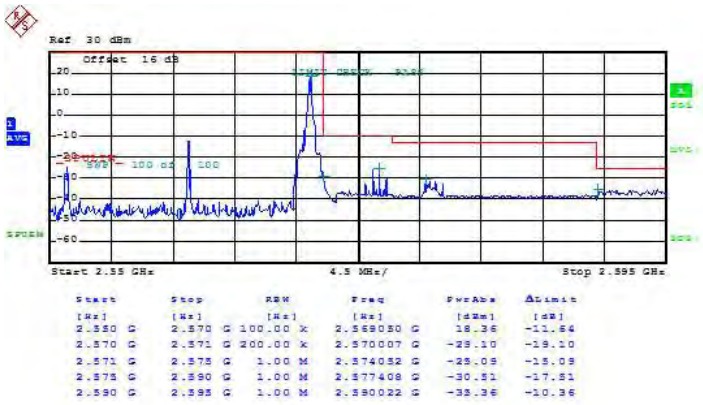
Date: 28.AUG.2014 18:35:39

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



Date: 28.AUG.2014 18:38:49

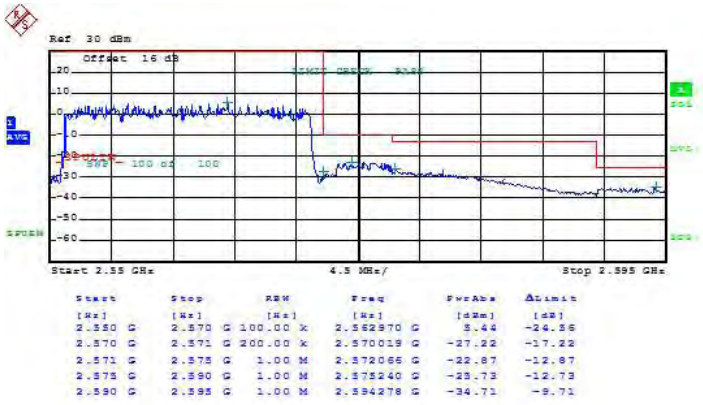
Higher Band Edge Plot for 16QAM-RB Size 1, RB Offset 99



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.569050 G	18.36	-11.64
2.570 G	2.571 G	200.00 k	2.570007 G	-29.10	-19.10
2.571 G	2.575 G	1.00 M	2.574052 G	-25.09	-15.09
2.575 G	2.590 G	1.00 M	2.577408 G	-30.51	-17.51
2.590 G	2.595 G	1.00 M	2.590022 G	-38.36	-10.36

Date: 28.AUG.2014 18:34:24

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.550 G	2.570 G	100.00 k	2.562970 G	5.44	-24.56
2.570 G	2.571 G	200.00 k	2.570019 G	-27.22	-17.22
2.571 G	2.575 G	1.00 M	2.572066 G	-22.87	-12.87
2.575 G	2.590 G	1.00 M	2.575240 G	-23.73	-12.73
2.590 G	2.595 G	1.00 M	2.594278 G	-34.71	-9.71

Date: 28.AUG.2014 18:23:47

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 30MHz up to a frequency including its 10^{th} harmonic.

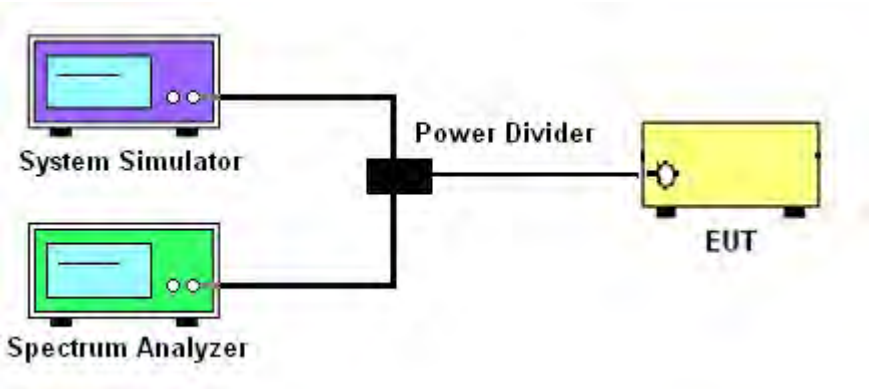
3.6.2 Measuring Instruments

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 system simulator 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 + 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.

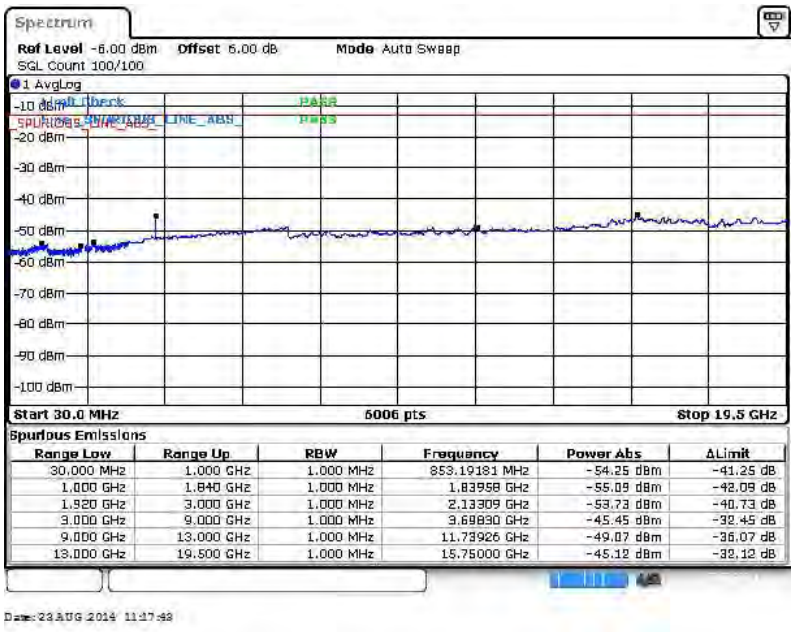
3.6.4 Test Setup



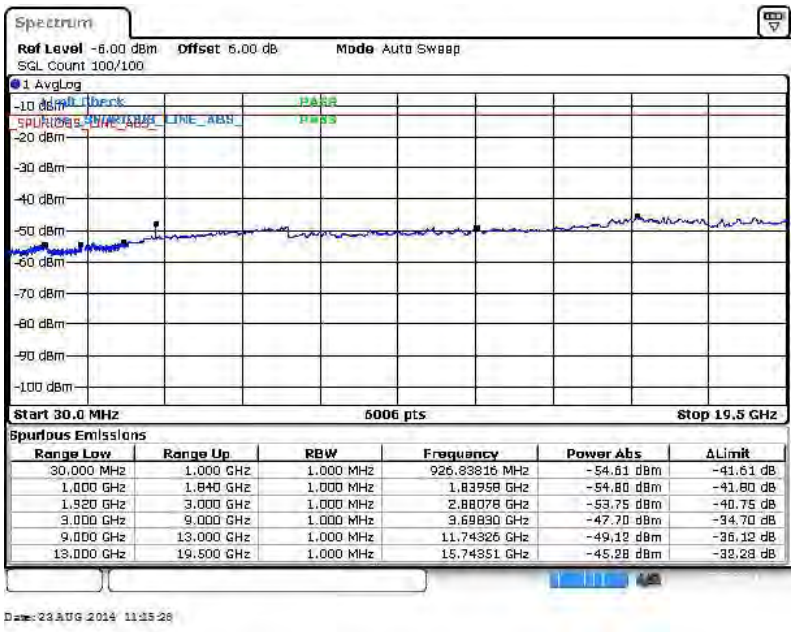
3.6.5 Test Result (Plots) of Conducted Spurious Emission

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

QPSK (RB Size 1, RB Offset 0)

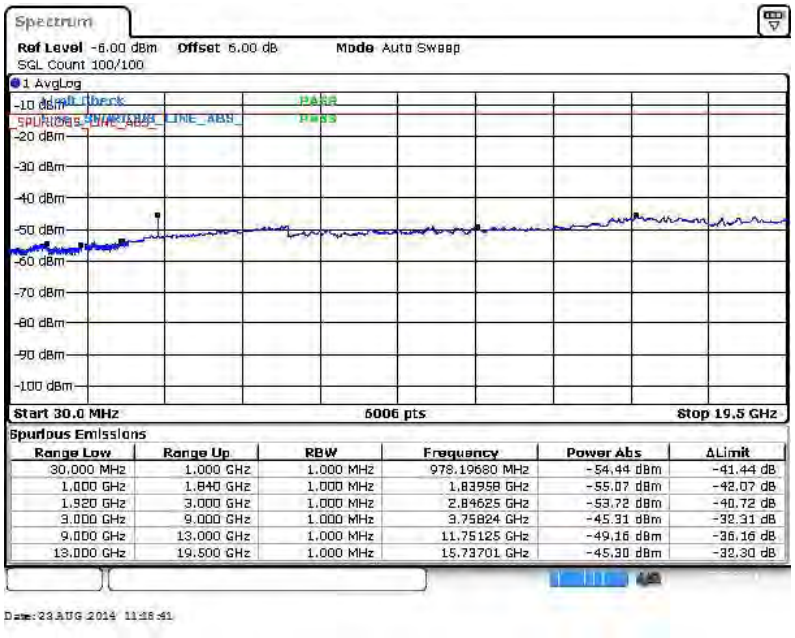


16QAM (RB Size 1, RB Offset 0)

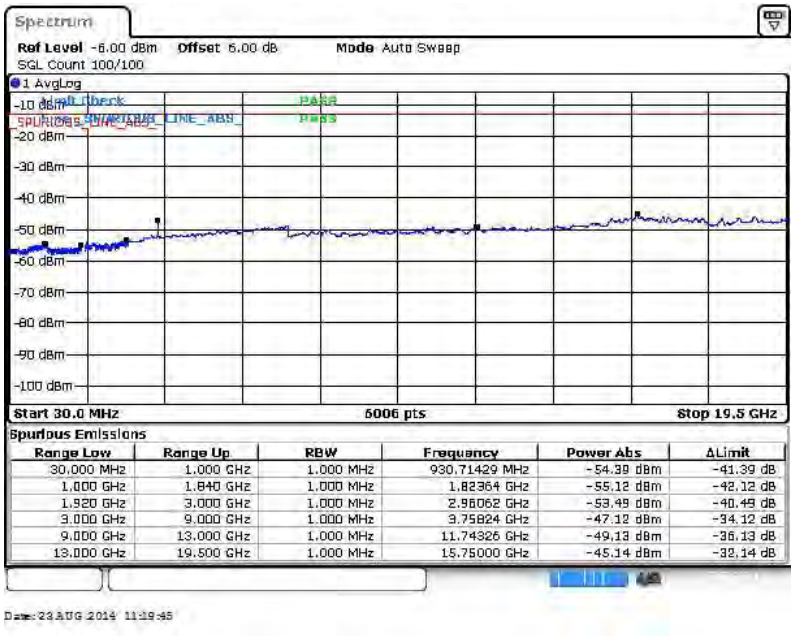


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

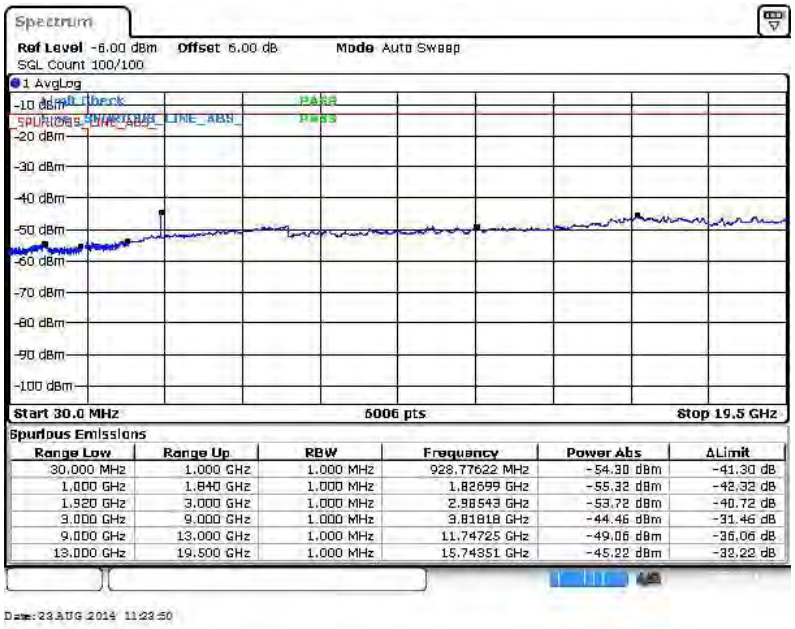


16QAM (RB Size 1, RB Offset 0)

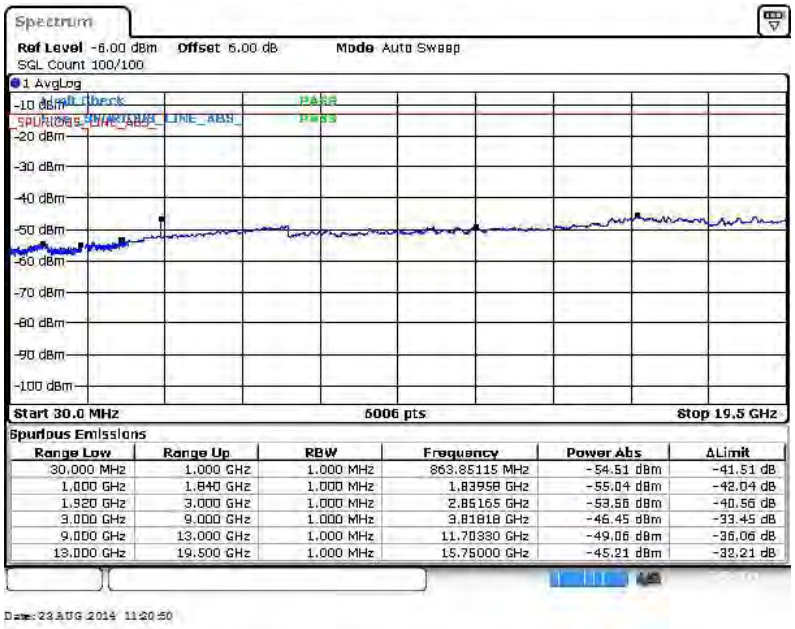


Band :	LTE Band 2	Channel :	CH19193 (High)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

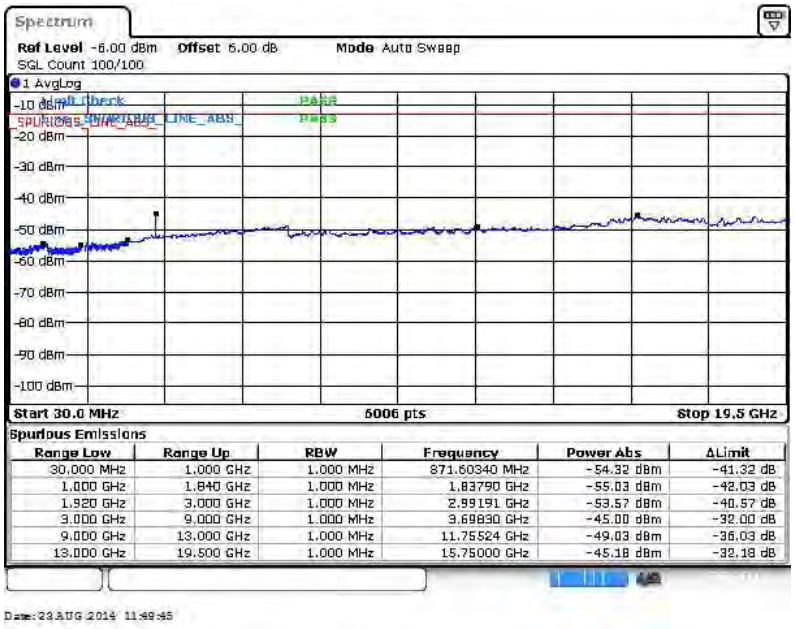


16QAM (RB Size 1, RB Offset 0)

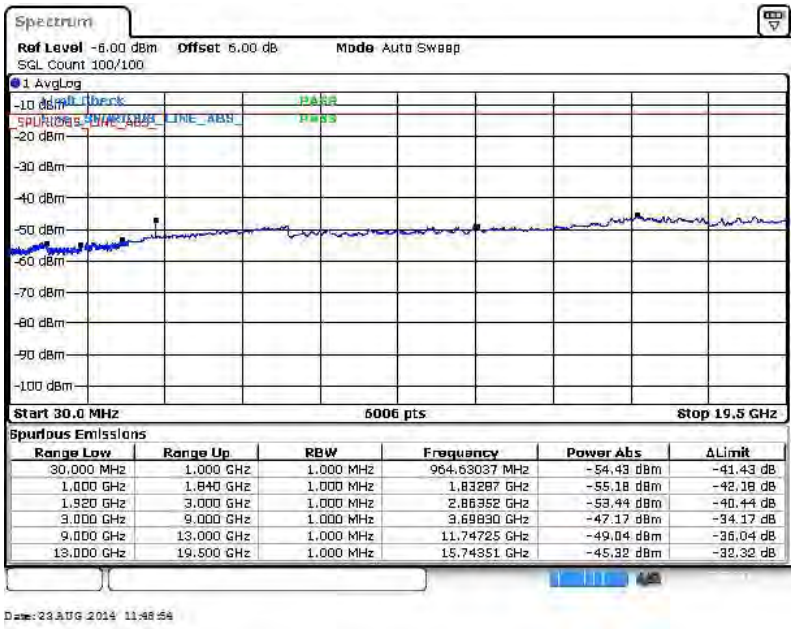


Band :	LTE Band 2	Channel :	CH18615 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

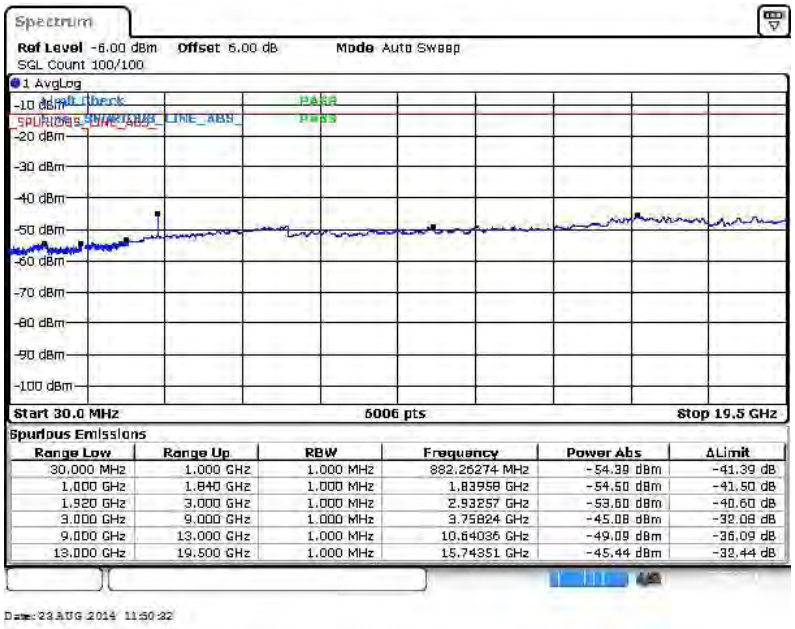


16QAM (RB Size 1, RB Offset 0)

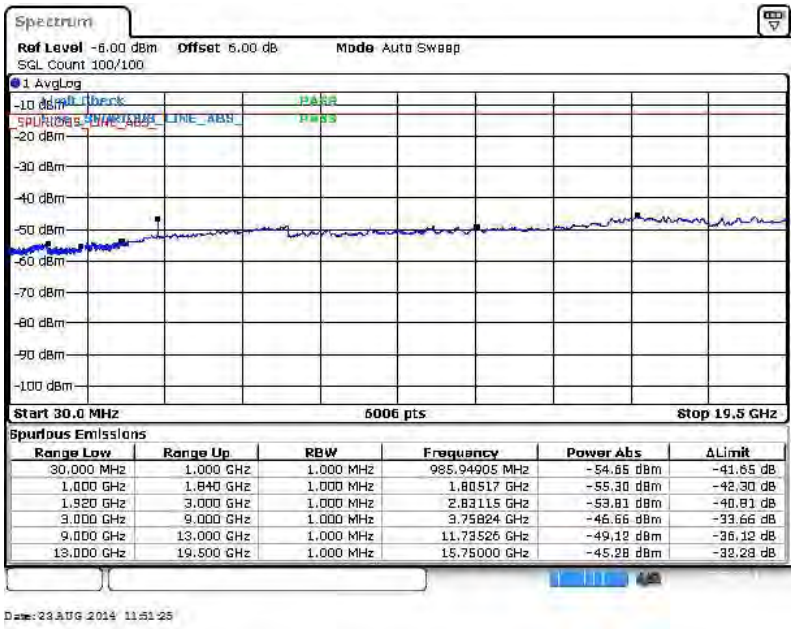


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

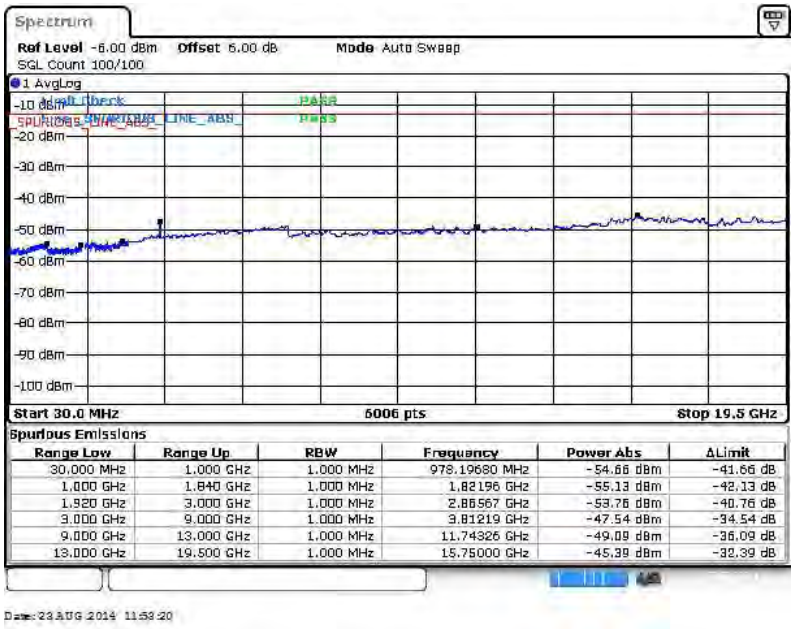


16QAM (RB Size 1, RB Offset 0)

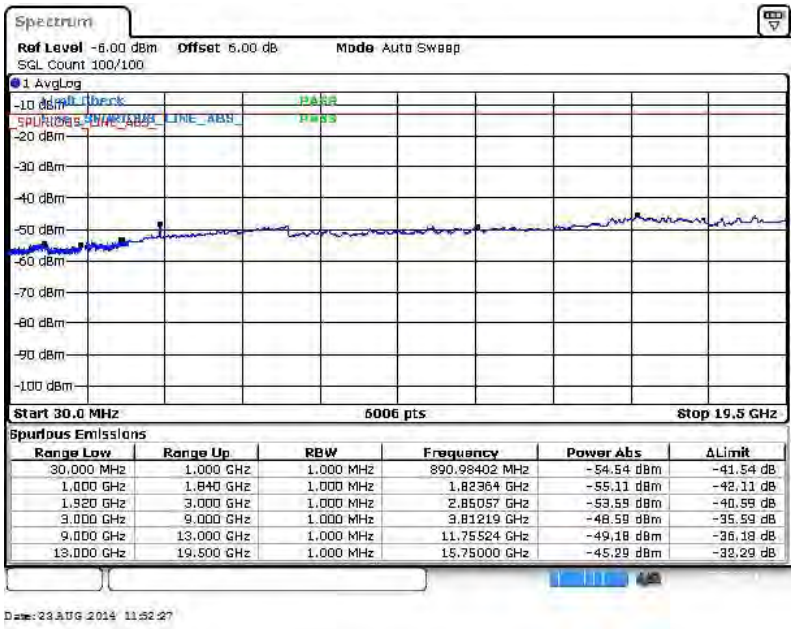


Band :	LTE Band 2	Channel :	CH19185 (High)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

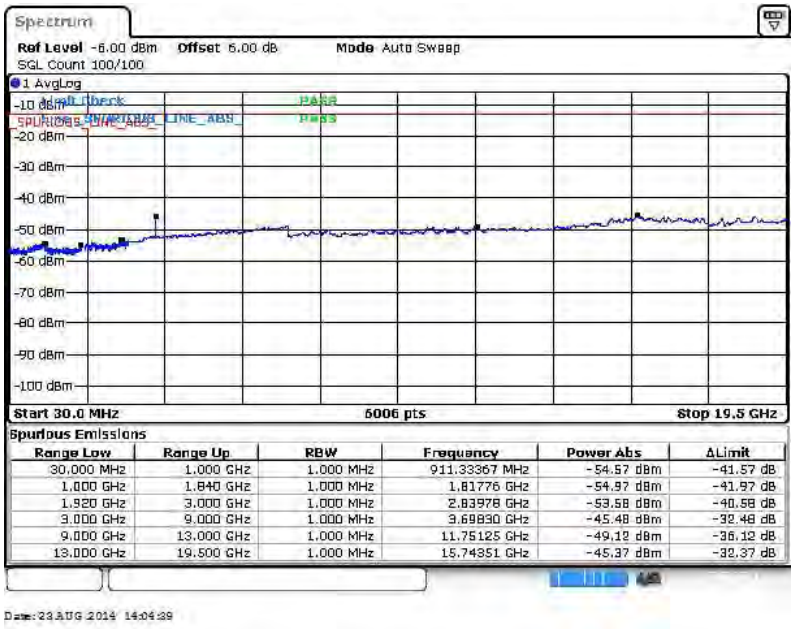


16QAM (RB Size 1, RB Offset 0)

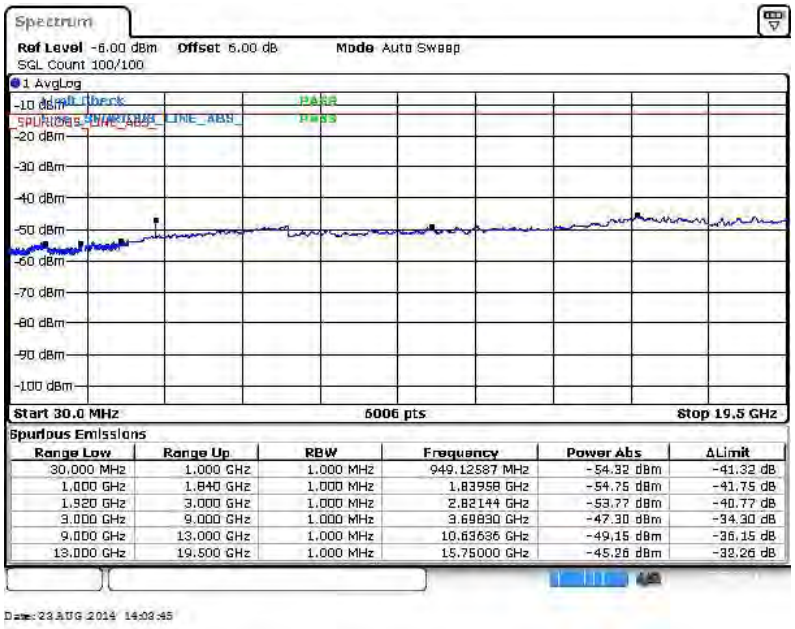


Band :	LTE Band 2	Channel :	CH18625 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

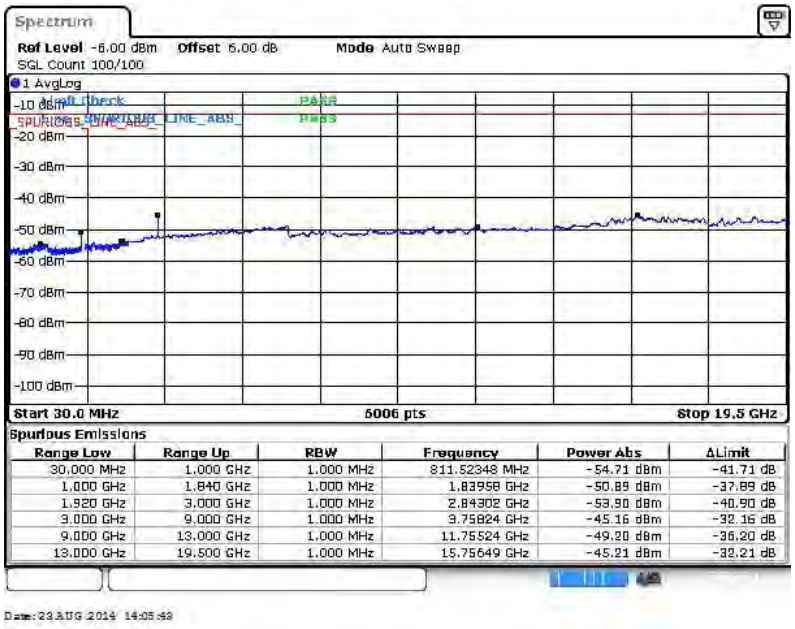


16QAM (RB Size 1, RB Offset 0)

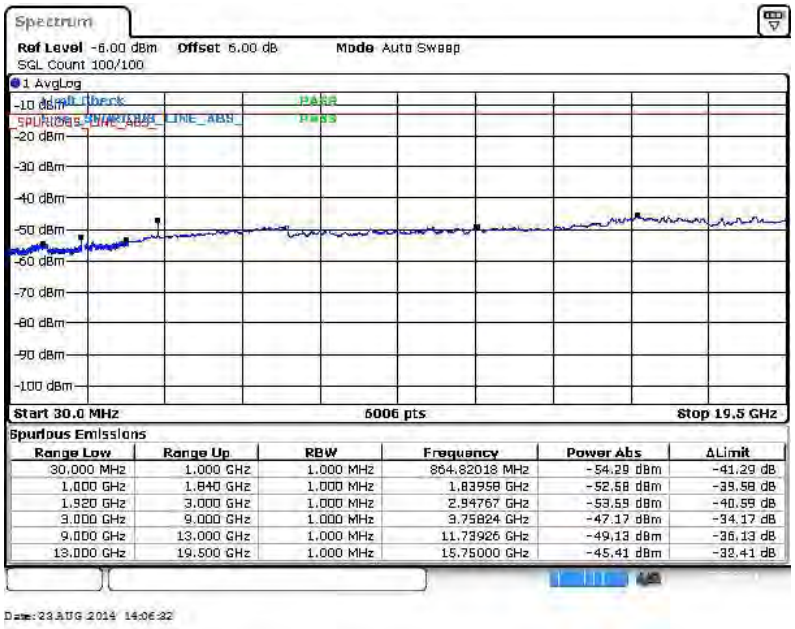


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

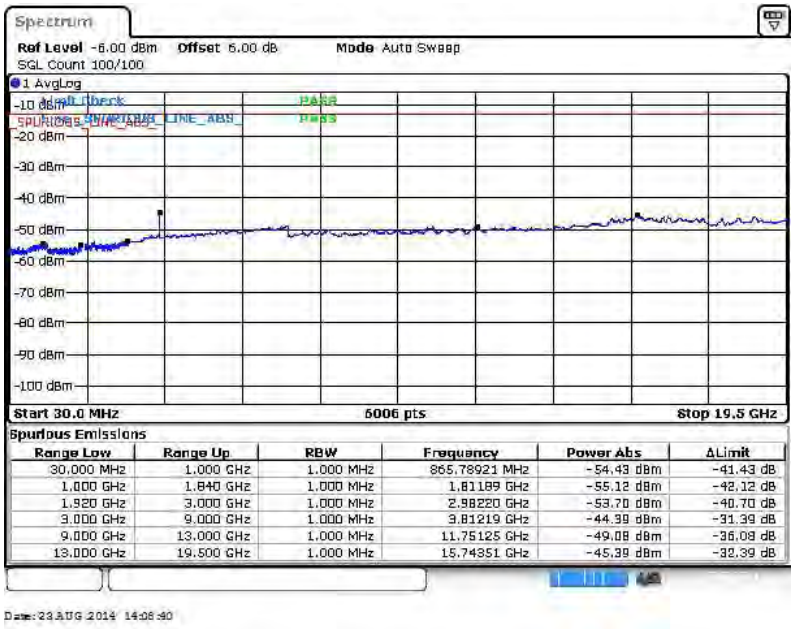


16QAM (RB Size 1, RB Offset 0)

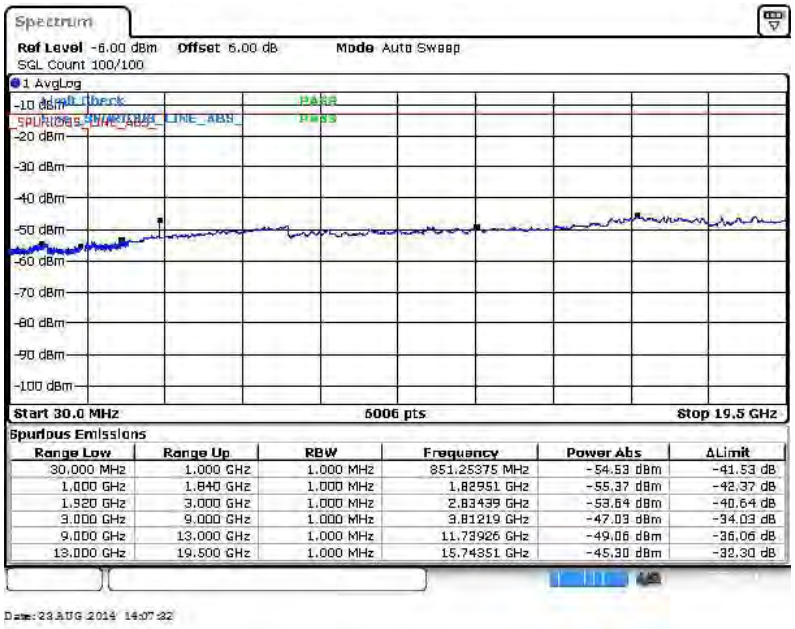


Band :	LTE Band 2	Channel :	CH19175 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

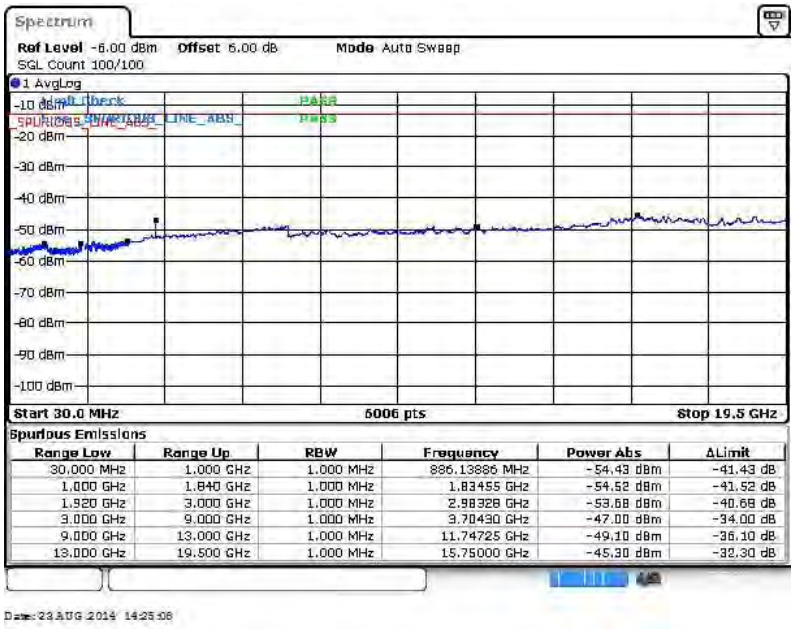


16QAM (RB Size 1, RB Offset 0)

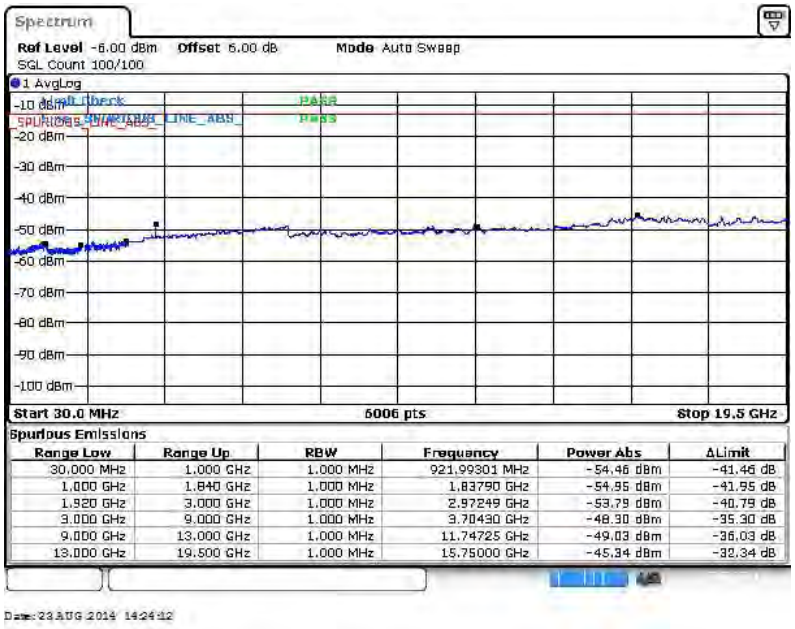


Band :	LTE Band 2	Channel :	CH18650 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

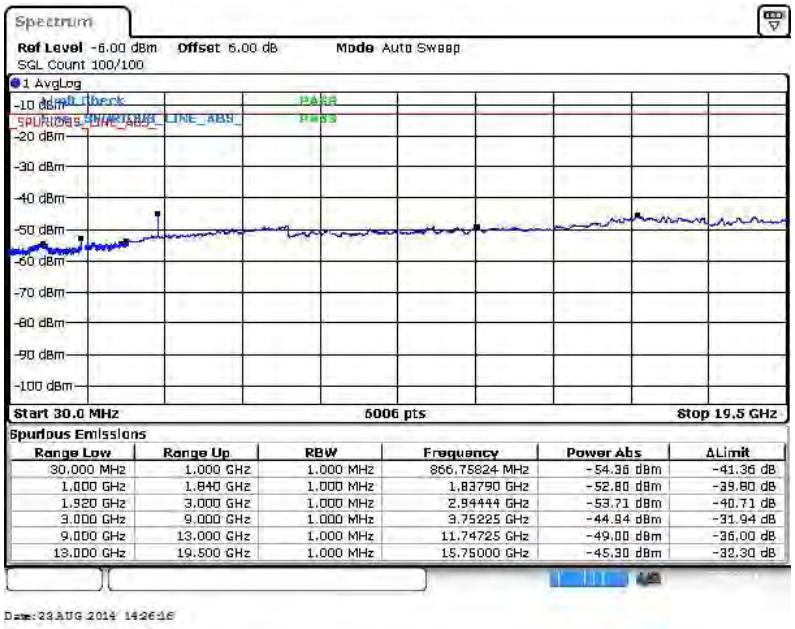


16QAM (RB Size 1, RB Offset 0)

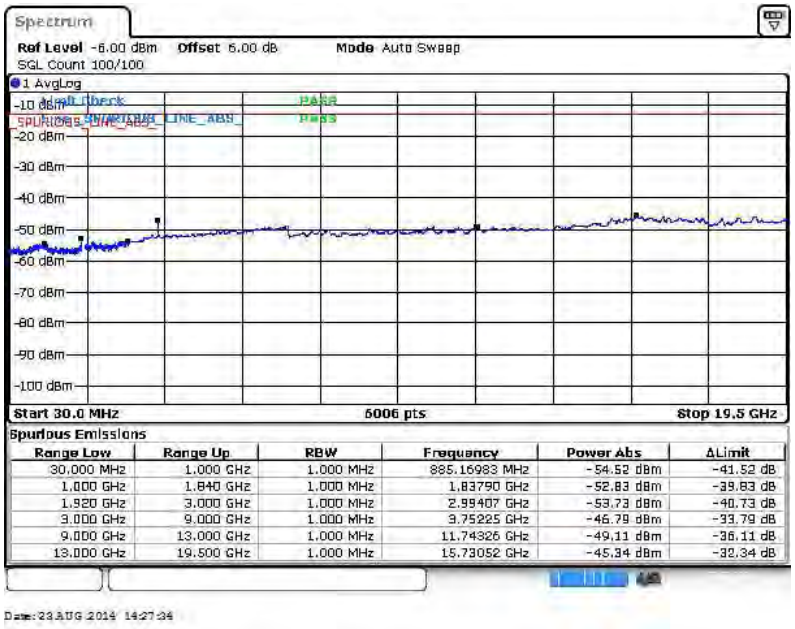


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

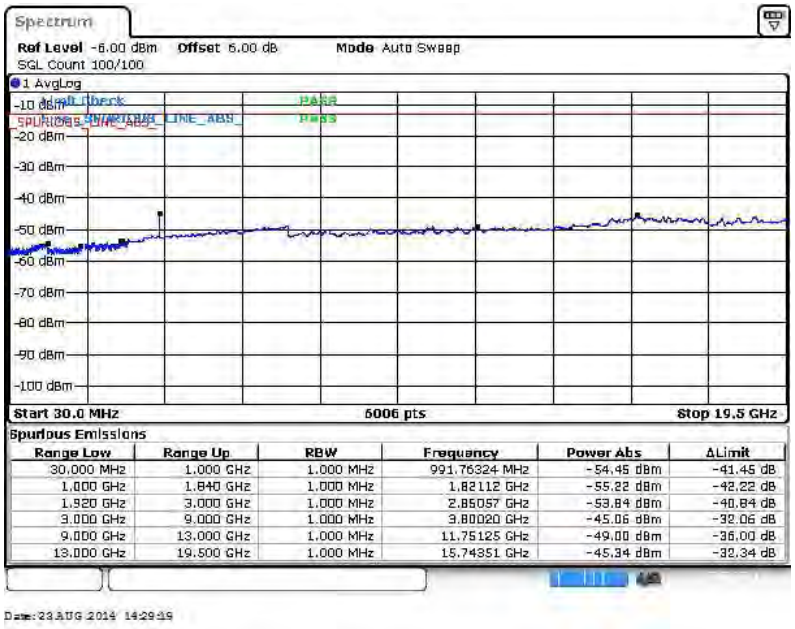


16QAM (RB Size 1, RB Offset 0)

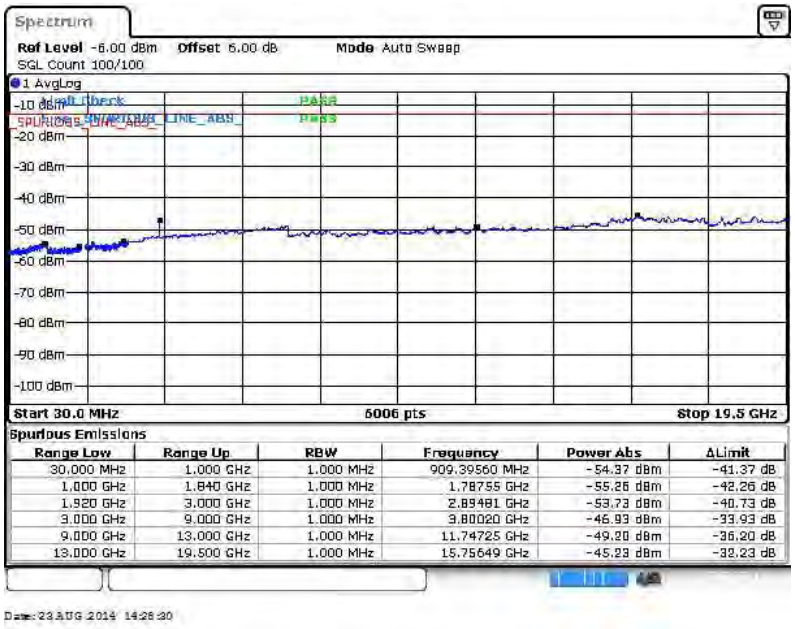


Band :	LTE Band 2	Channel :	CH19150 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

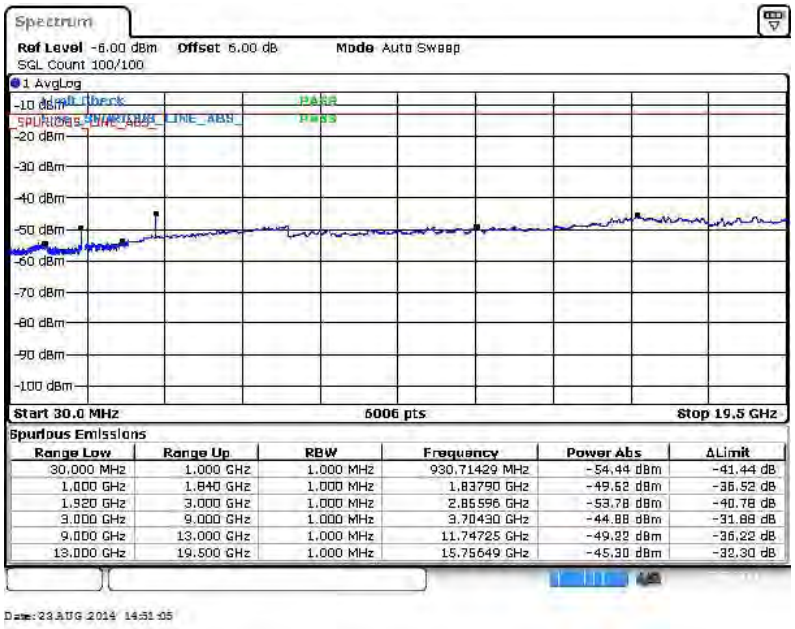


16QAM (RB Size 1, RB Offset 0)

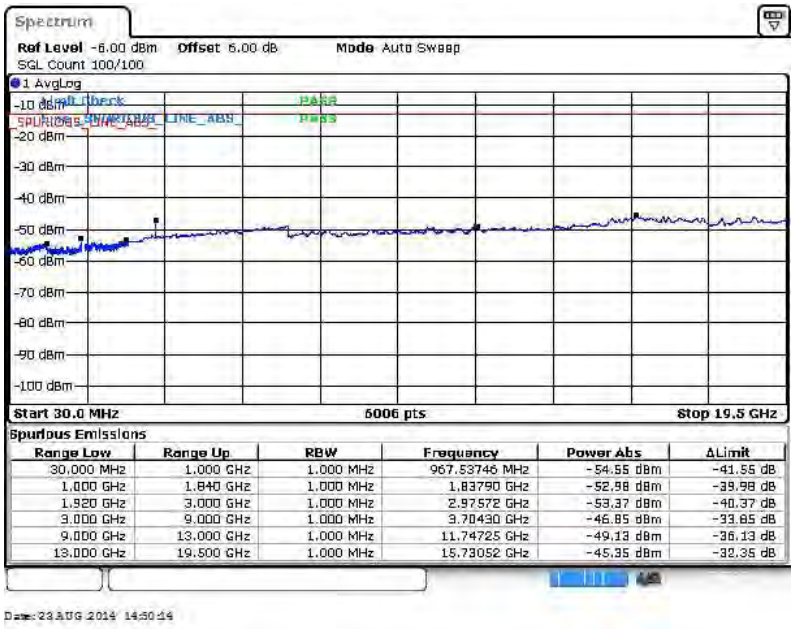


Band :	LTE Band 2	Channel :	CH18675 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

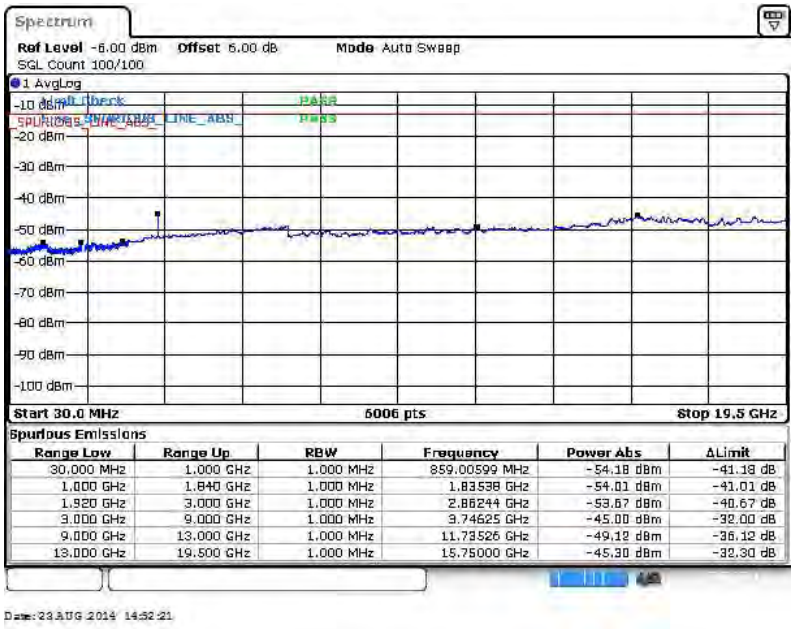


16QAM (RB Size 1, RB Offset 0)

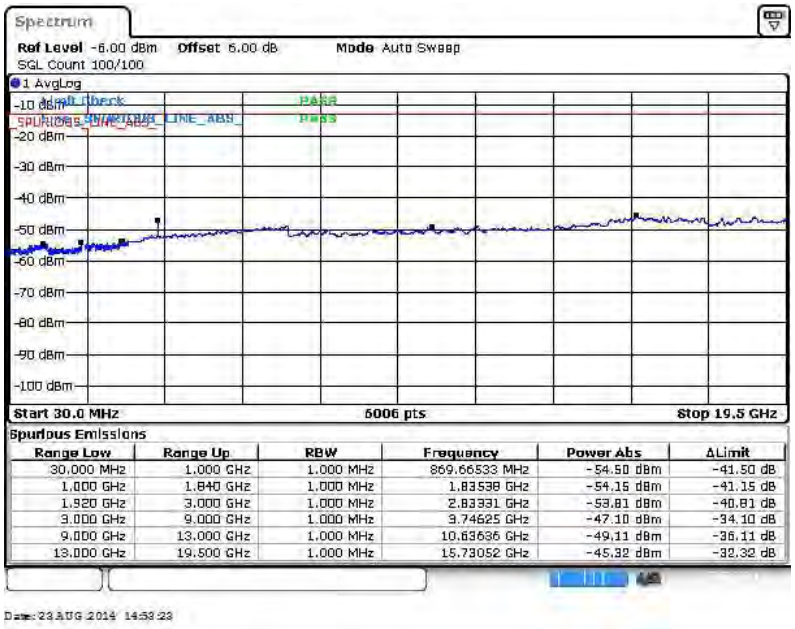


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

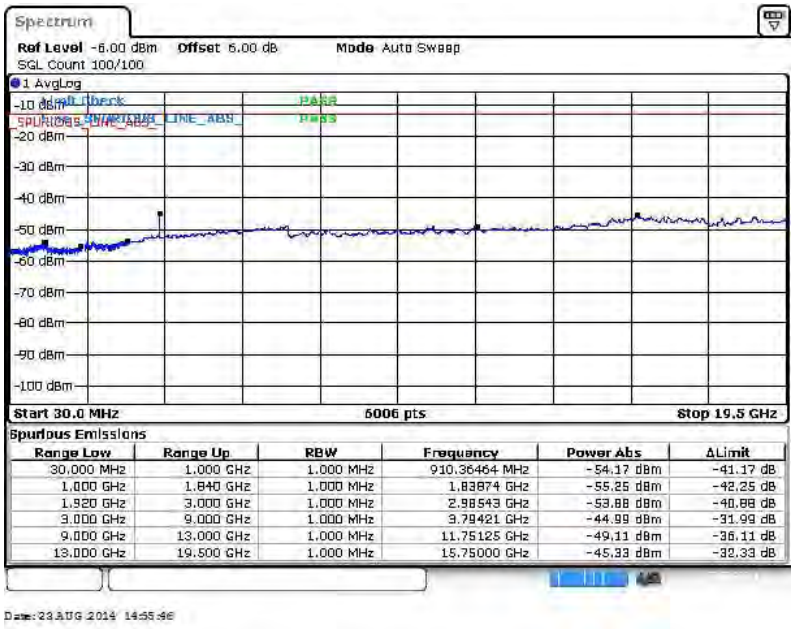


16QAM (RB Size 1, RB Offset 0)

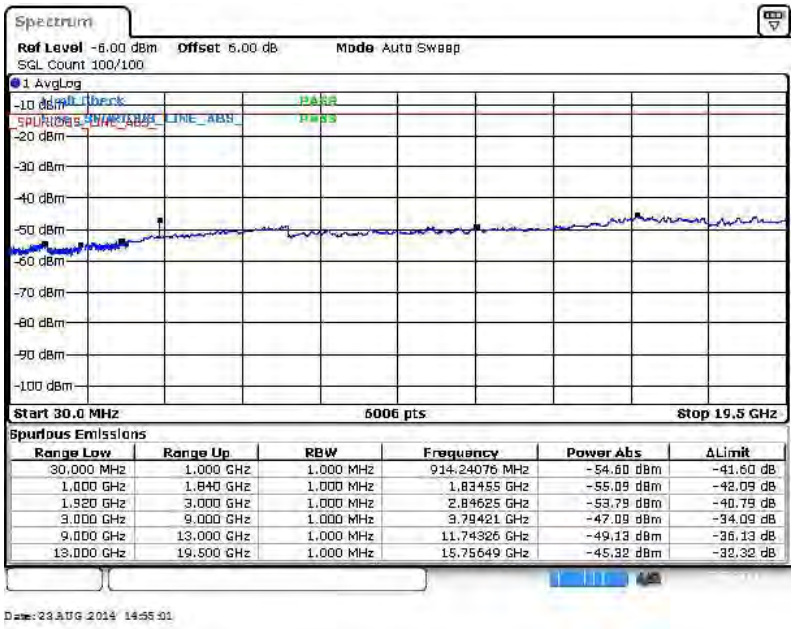


Band :	LTE Band 2	Channel :	CH19125 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

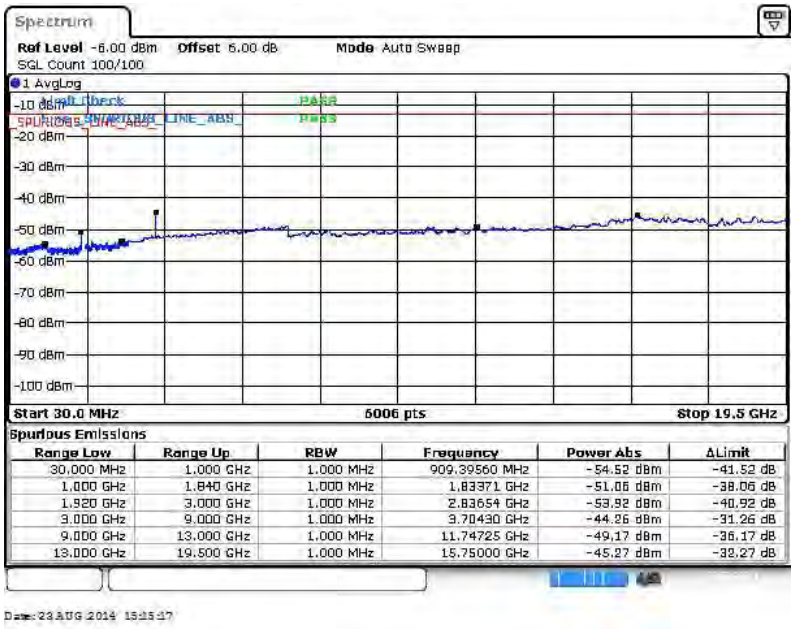


16QAM (RB Size 1, RB Offset 0)

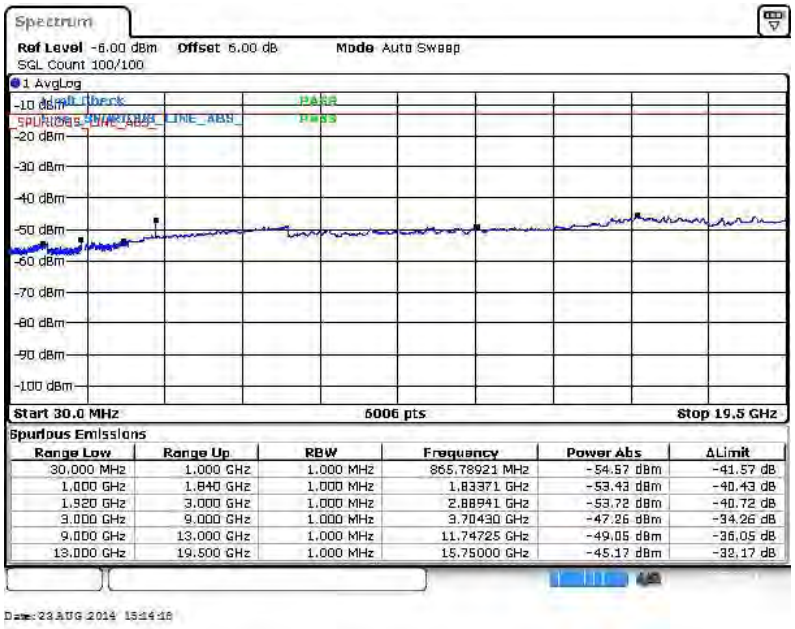


Band :	LTE Band 2	Channel :	CH18700 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

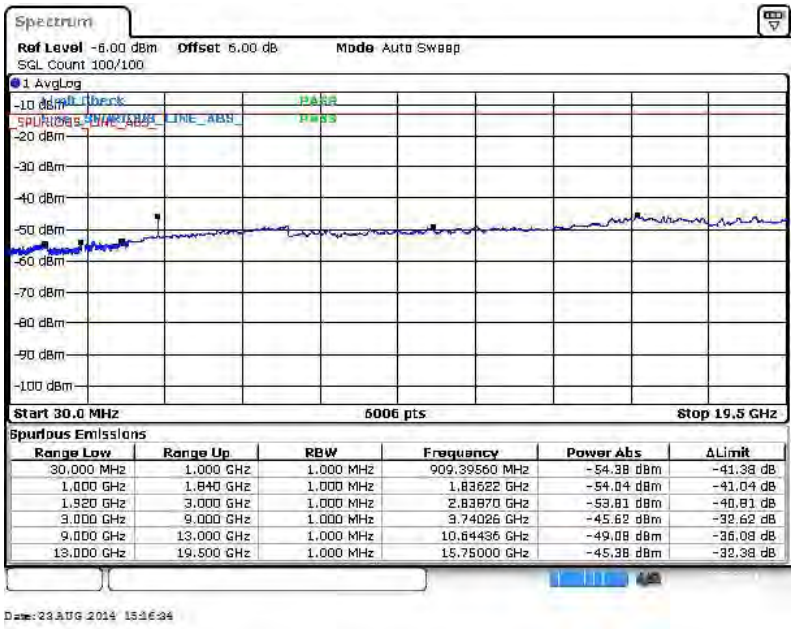


16QAM (RB Size 1, RB Offset 0)

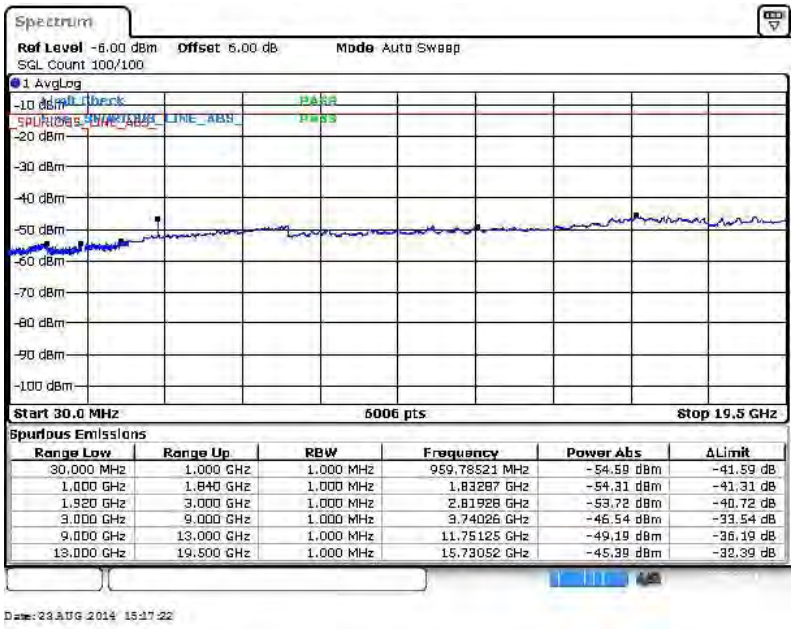


Band :	LTE Band 2	Channel :	CH18900 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

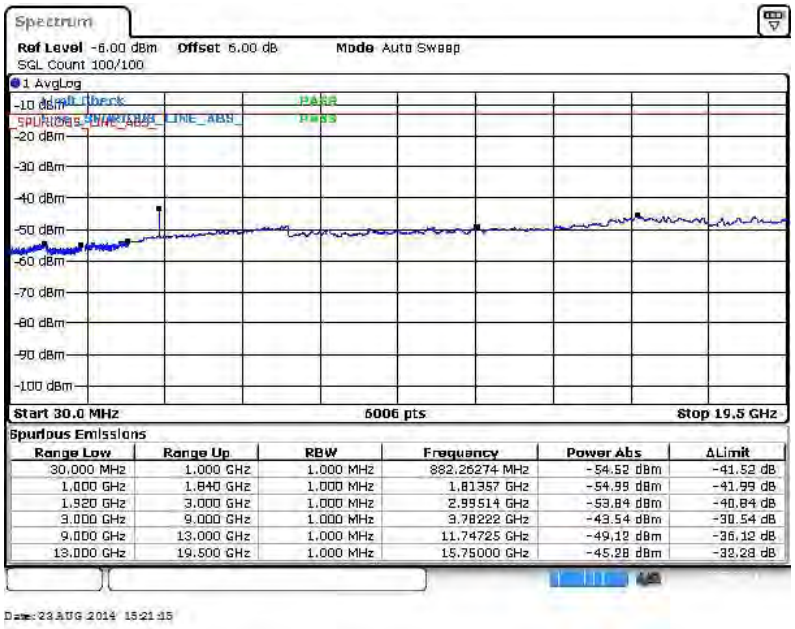


16QAM (RB Size 1, RB Offset 0)

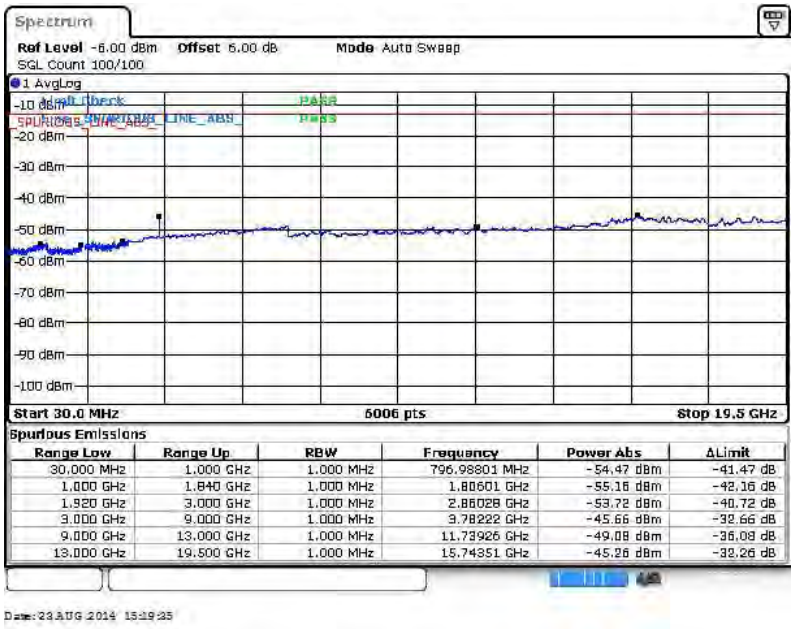


Band :	LTE Band 2	Channel :	CH19100 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

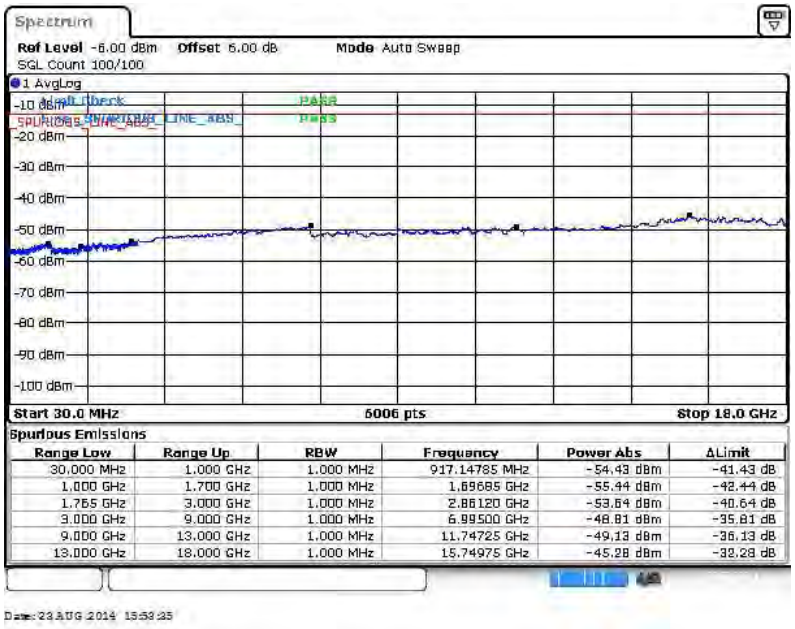


16QAM (RB Size 1, RB Offset 0)

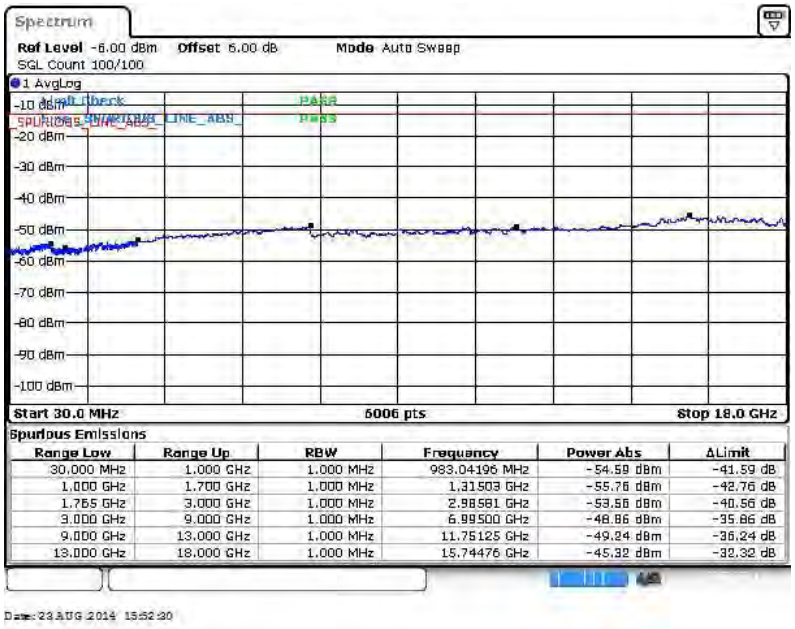


Band :	LTE Band 4	Channel :	CH19957 (Low)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

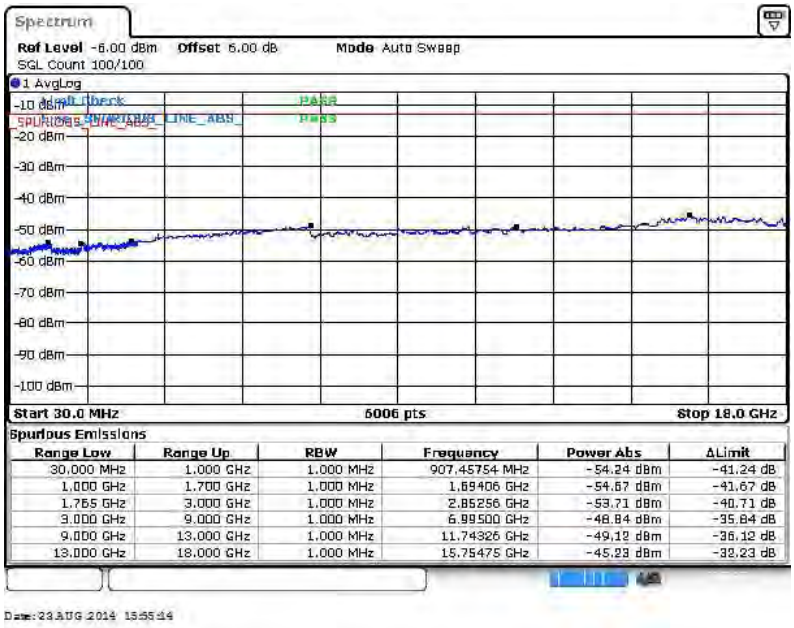


16QAM (RB Size 1, RB Offset 0)

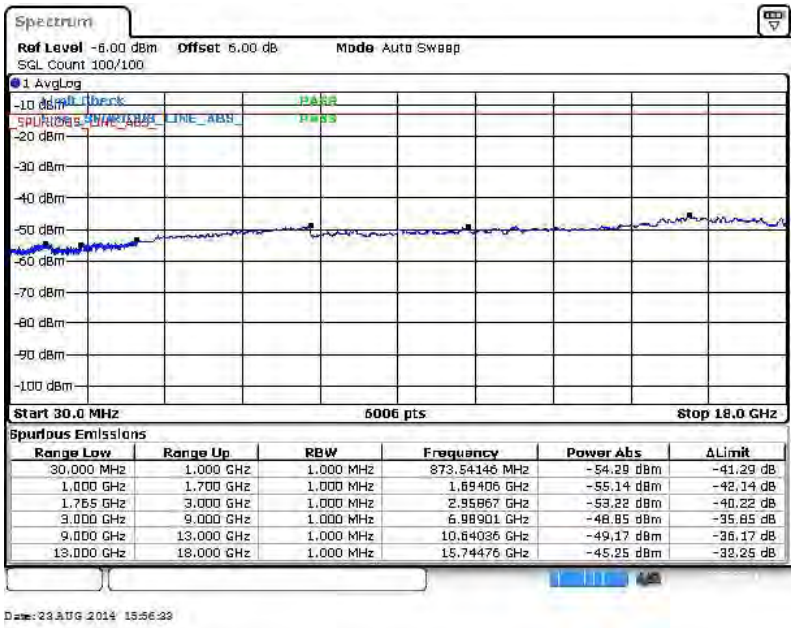


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

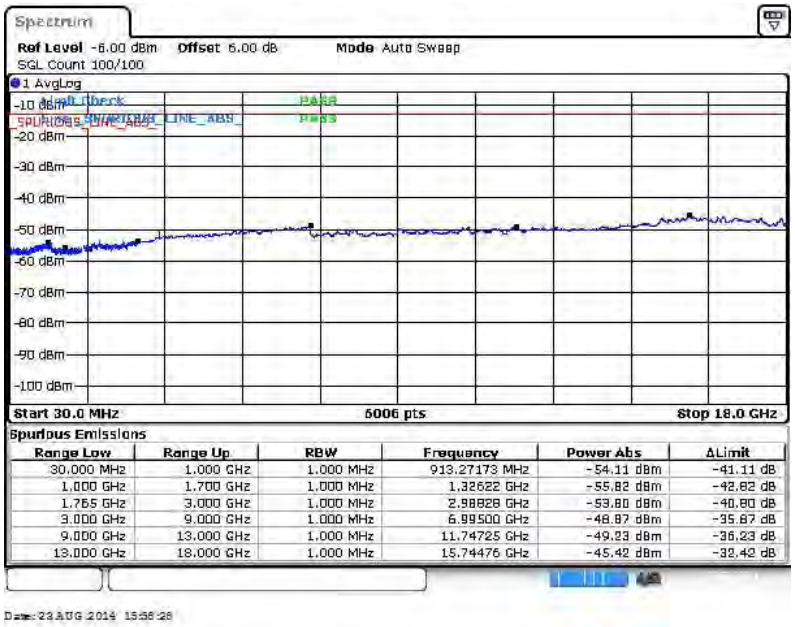


16QAM (RB Size 1, RB Offset 0)

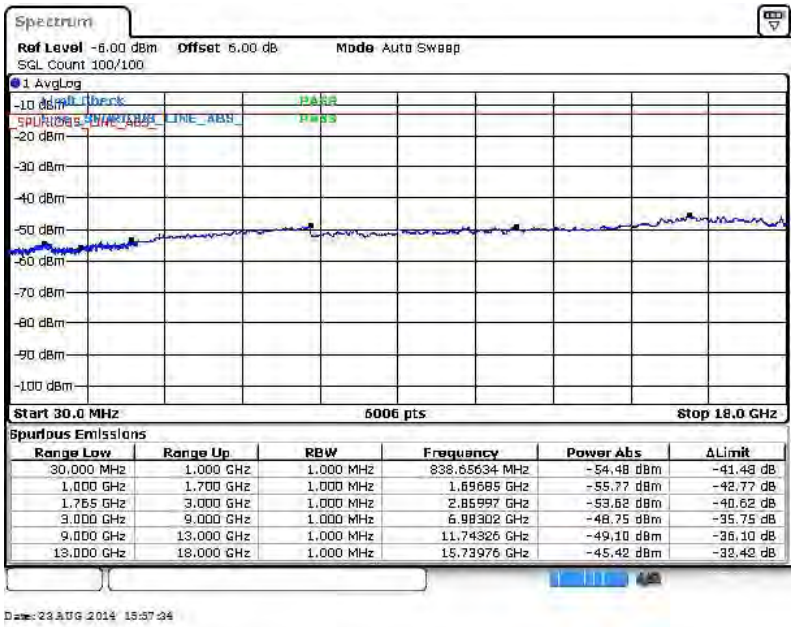


Band :	LTE Band 4	Channel :	CH20393 (High)
Band Width :	1.4MHz		

QPSK (RB Size 1, RB Offset 0)

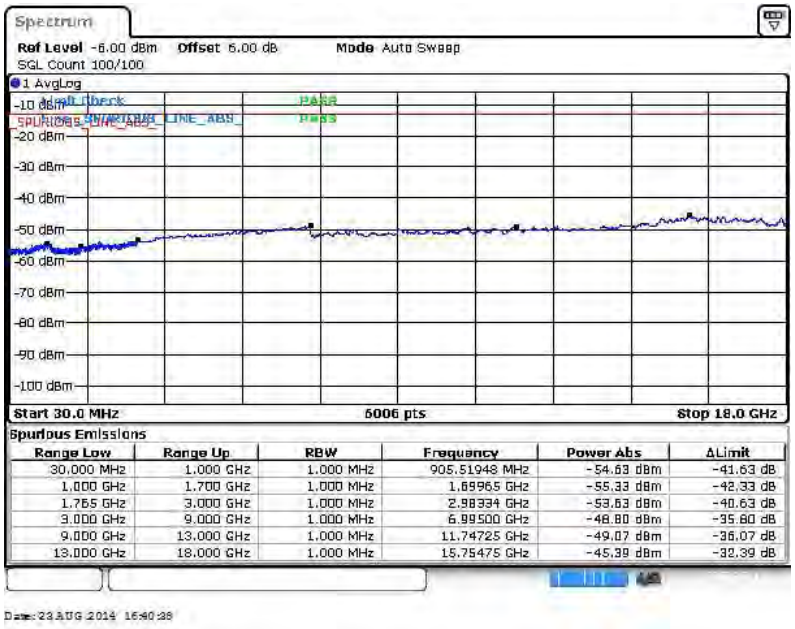


16QAM (RB Size 1, RB Offset 0)

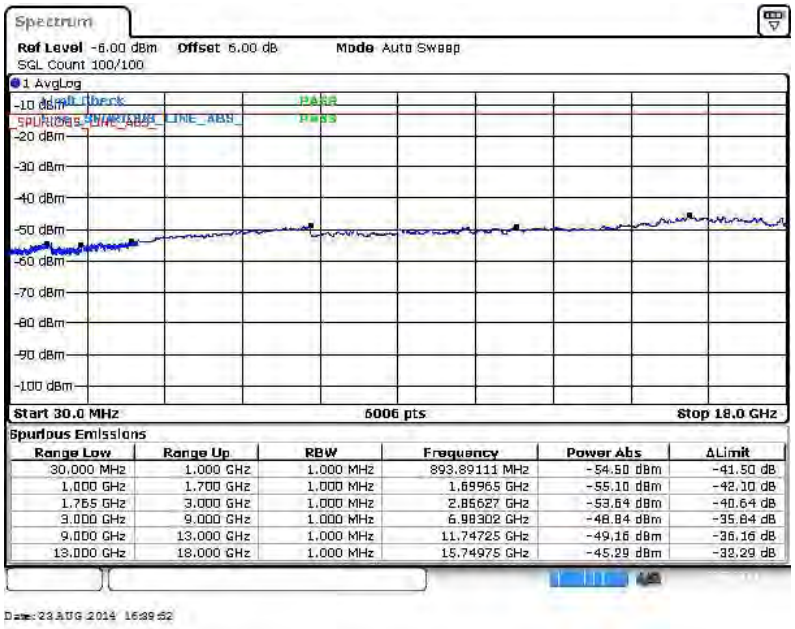


Band :	LTE Band 4	Channel :	CH19965 (Low)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

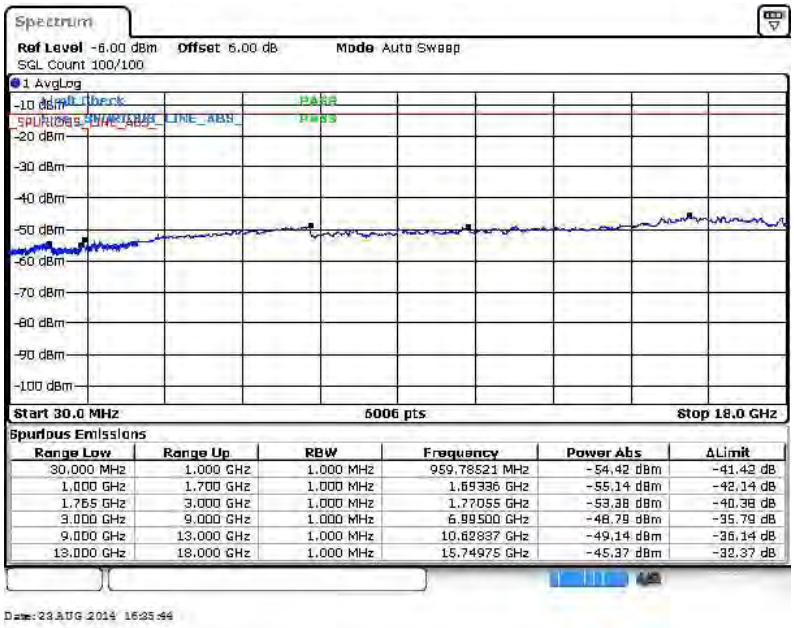


16QAM (RB Size 1, RB Offset 0)

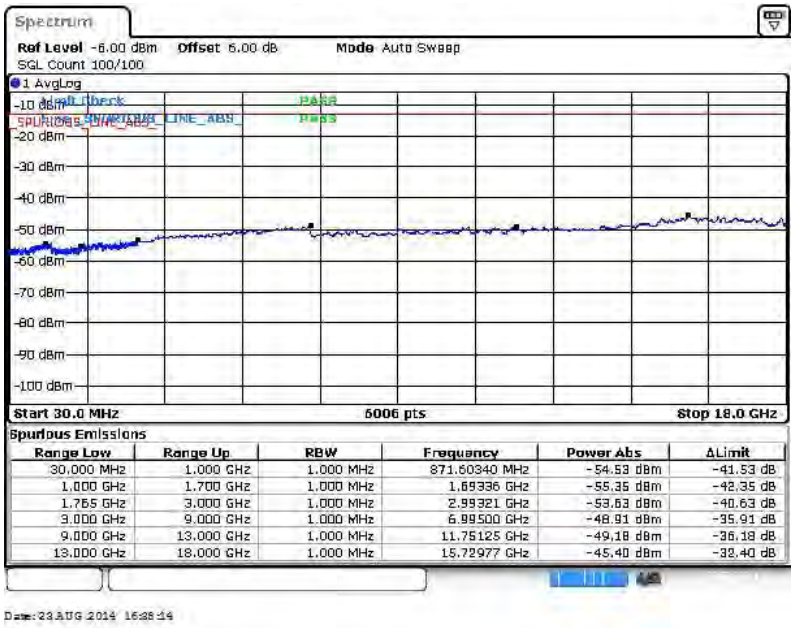


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

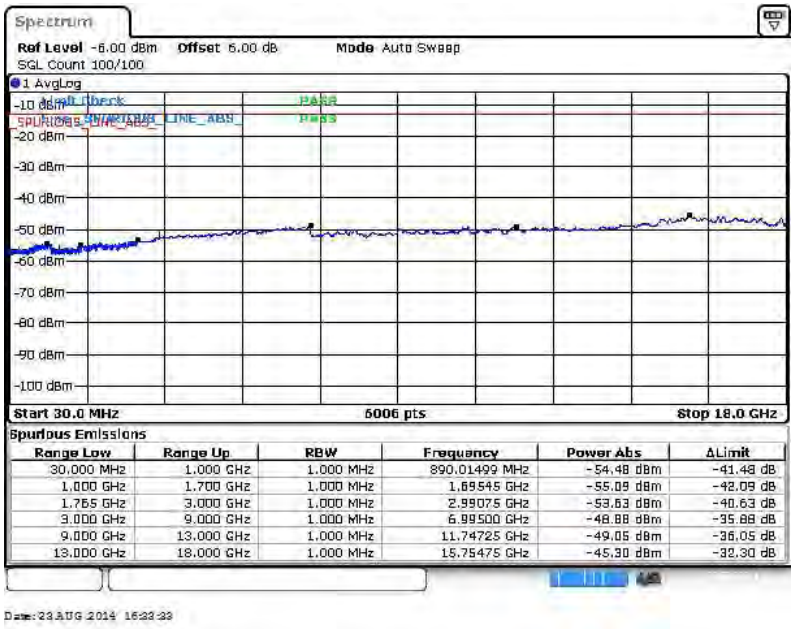


16QAM (RB Size 1, RB Offset 0)

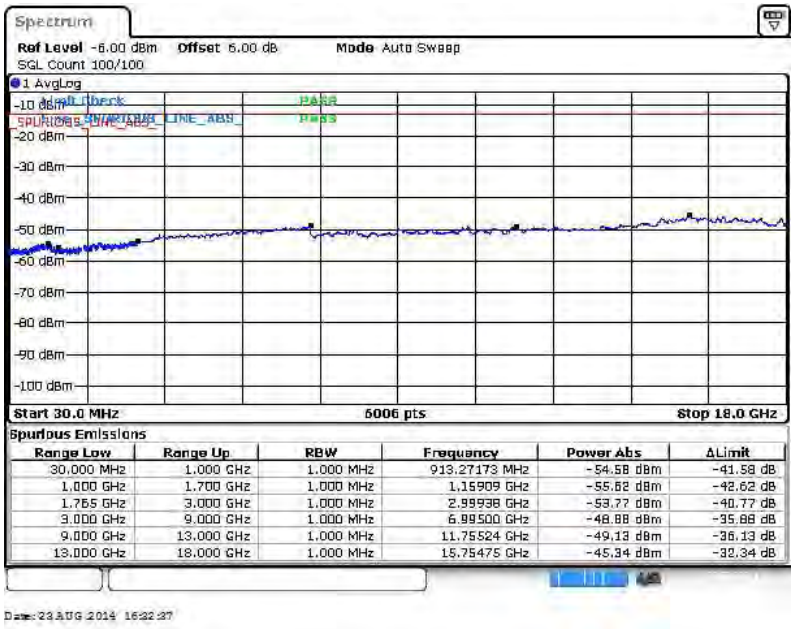


Band :	LTE Band 4	Channel :	CH20385 (High)
Band Width :	3MHz		

QPSK (RB Size 1, RB Offset 0)

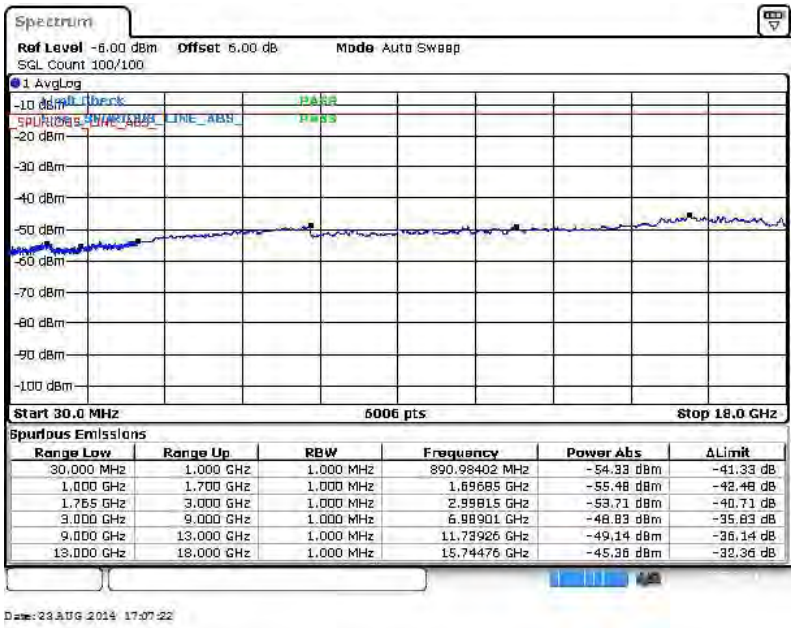


16QAM (RB Size 1, RB Offset 0)

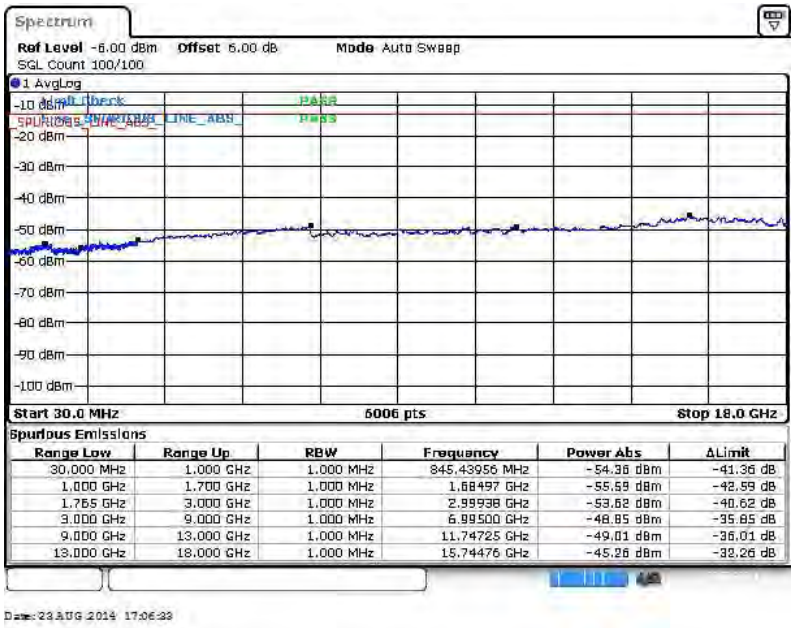


Band :	LTE Band 4	Channel :	CH19975 (Low)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

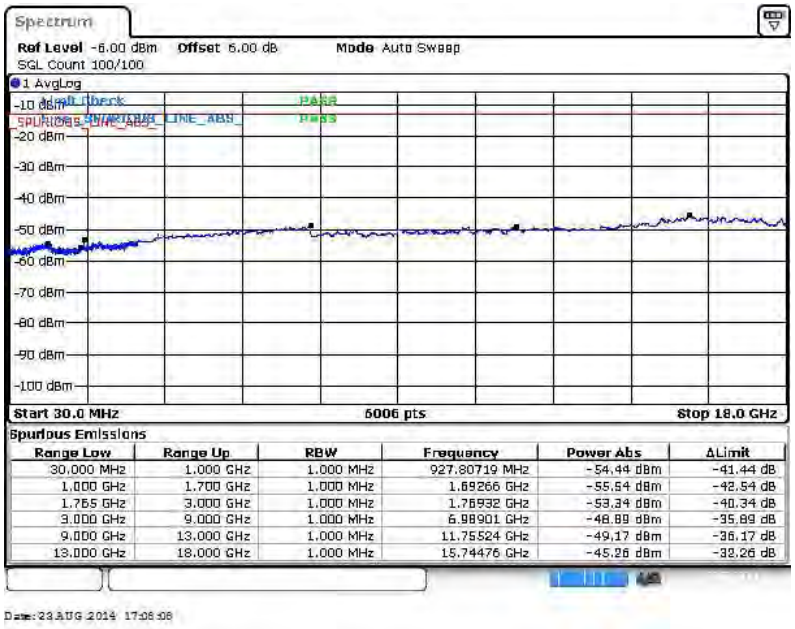


16QAM (RB Size 1, RB Offset 0)

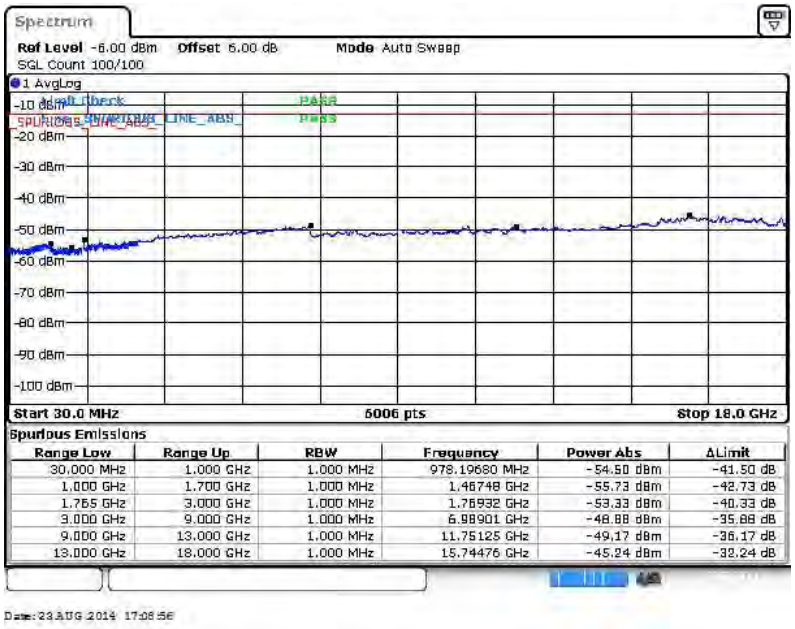


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

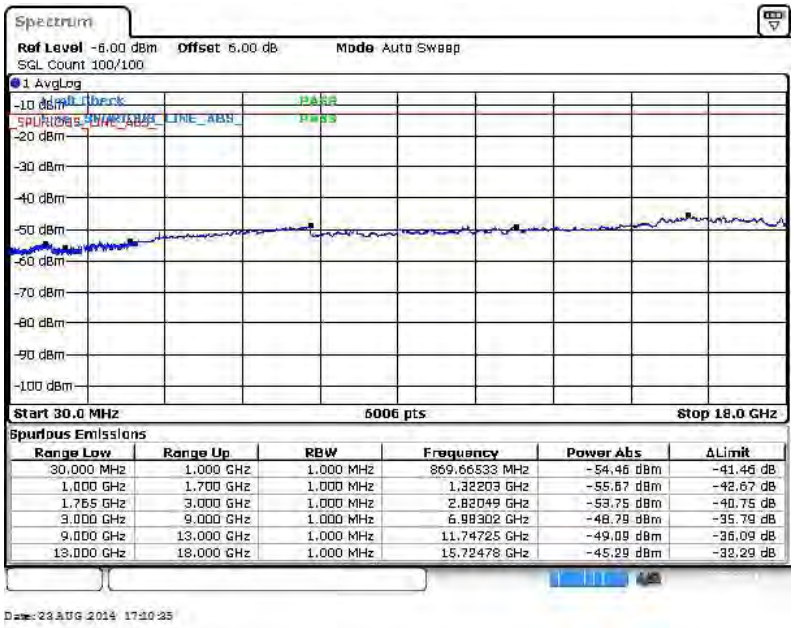


16QAM (RB Size 1, RB Offset 0)

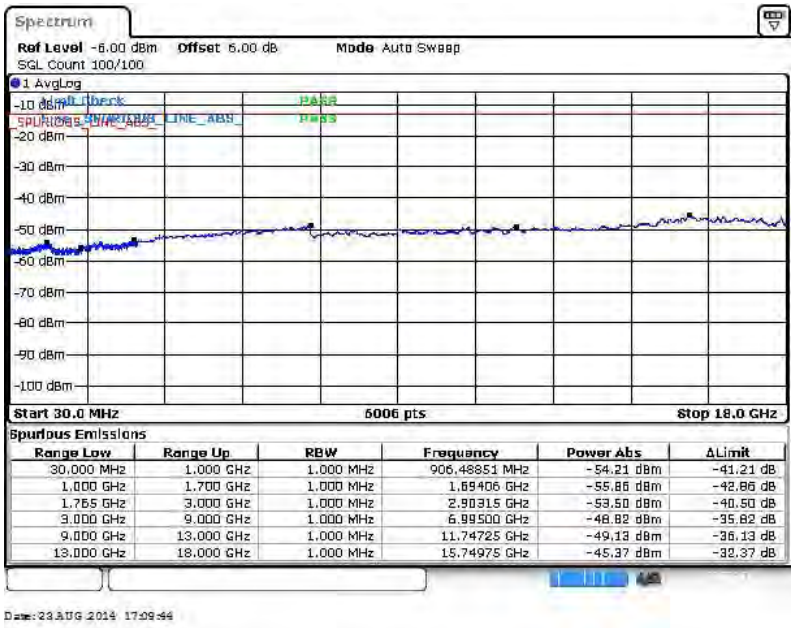


Band :	LTE Band 4	Channel :	CH20375 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)

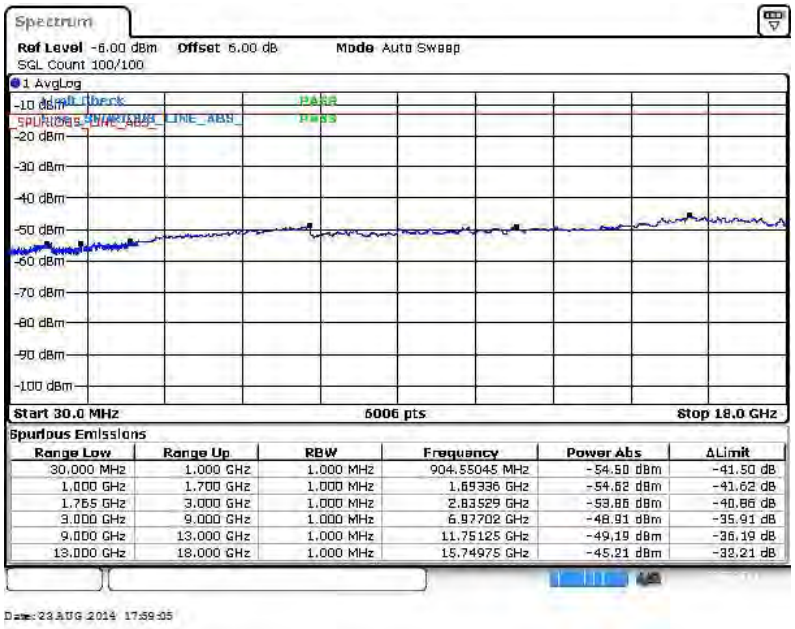


16QAM (RB Size 1, RB Offset 0)

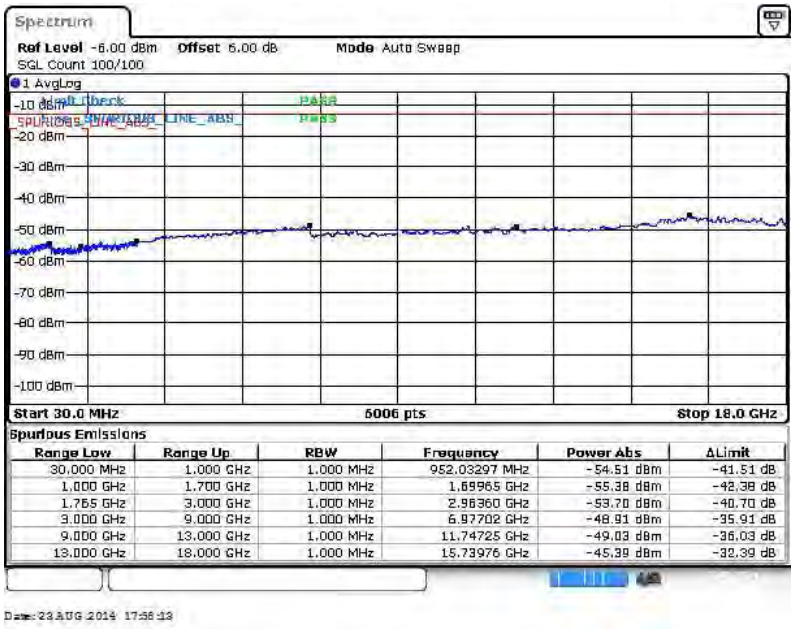


Band :	LTE Band 4	Channel :	CH20000 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

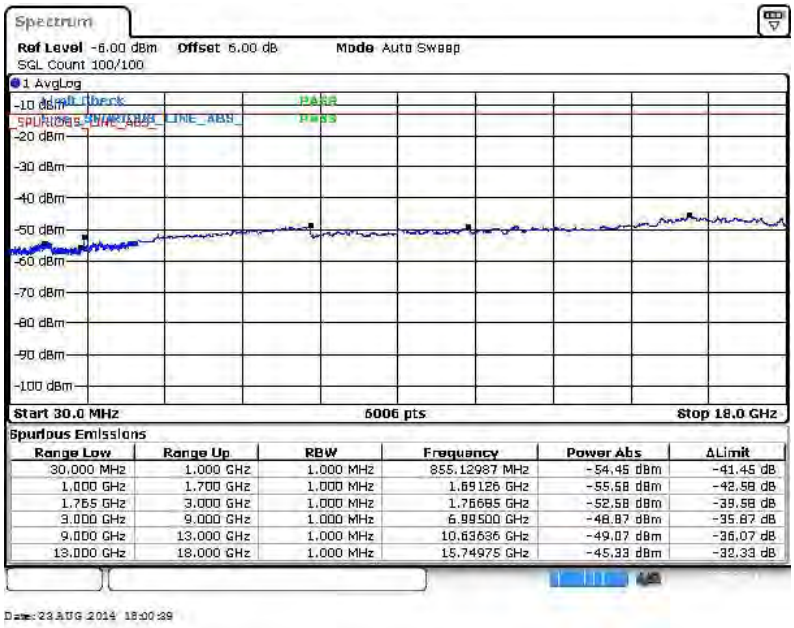


16QAM (RB Size 1, RB Offset 0)

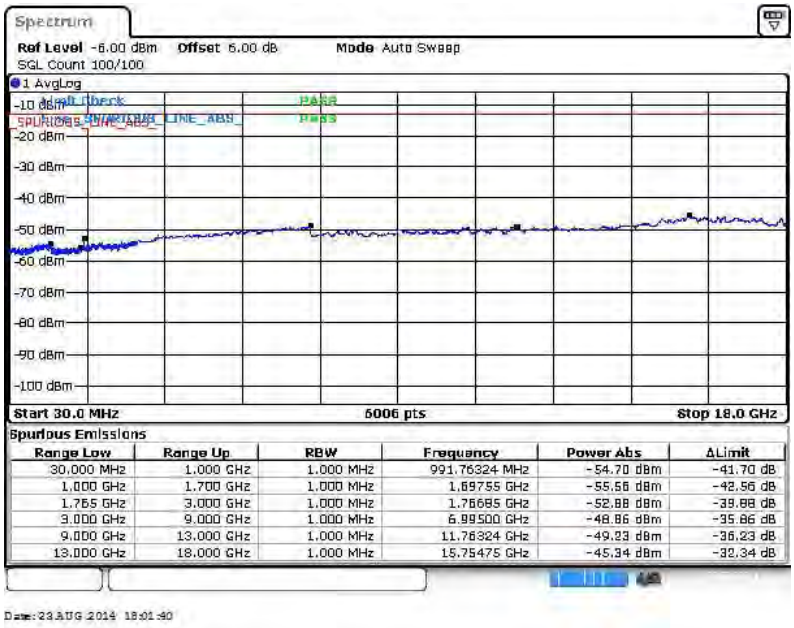


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

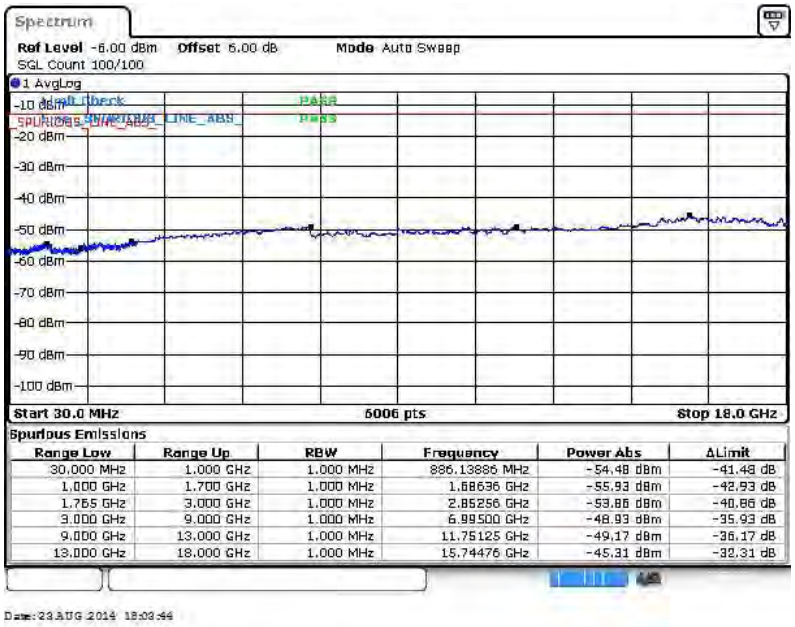


16QAM (RB Size 1, RB Offset 0)

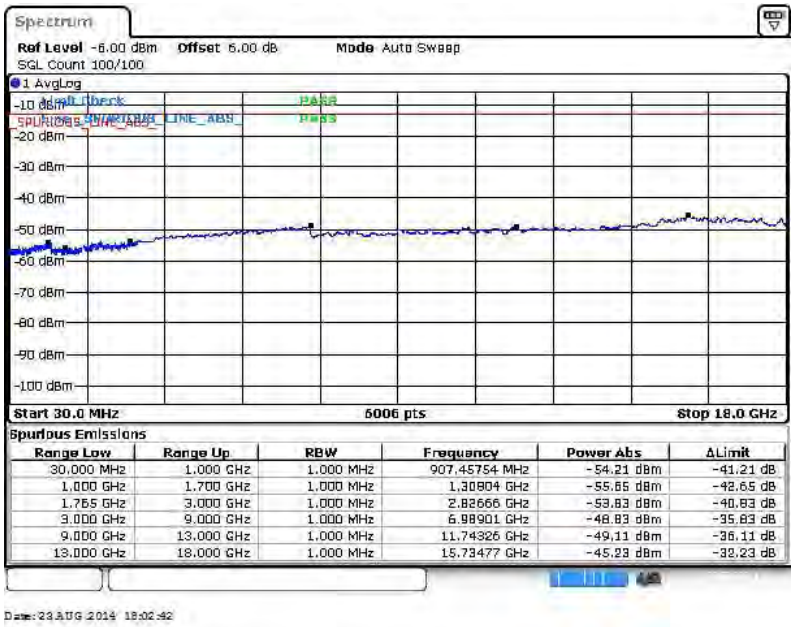


Band :	LTE Band 4	Channel :	CH20350 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)

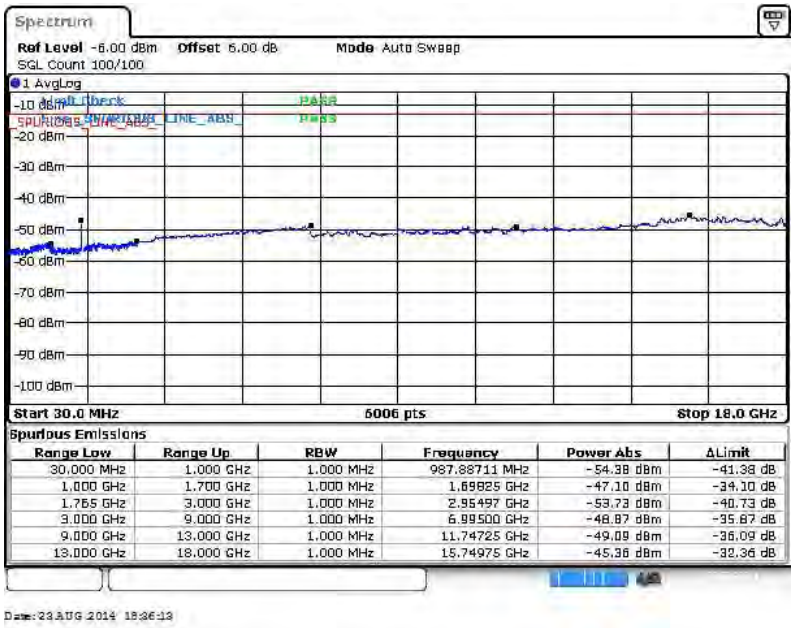


16QAM (RB Size 1, RB Offset 0)

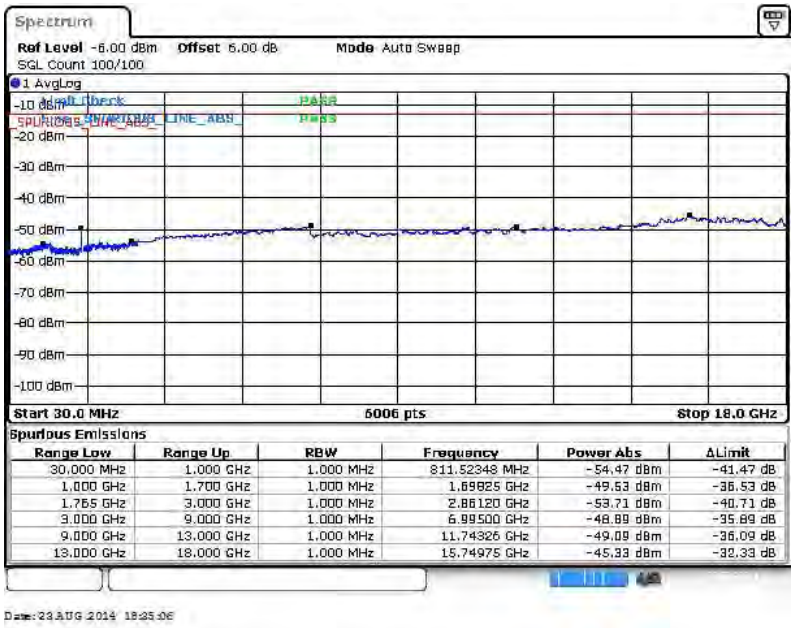


Band :	LTE Band 4	Channel :	CH20025 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

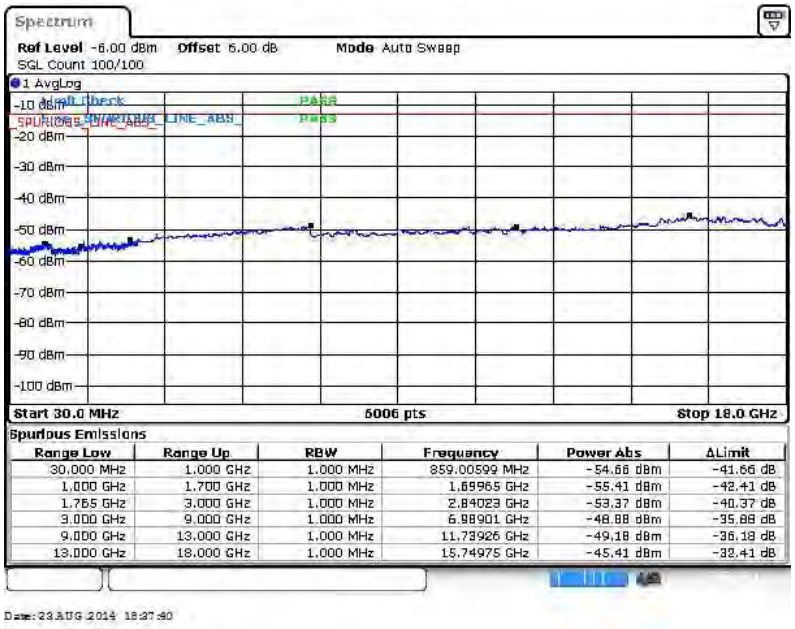


16QAM (RB Size 1, RB Offset 0)

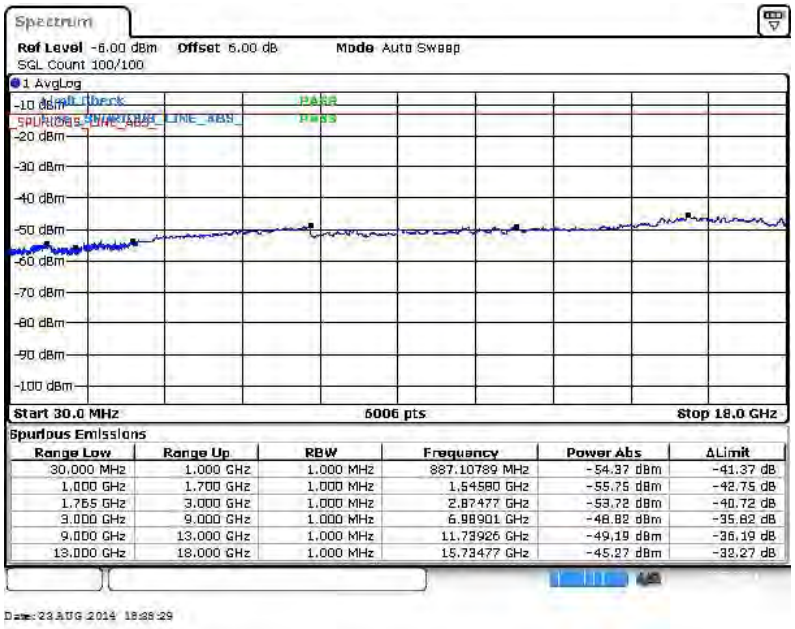


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

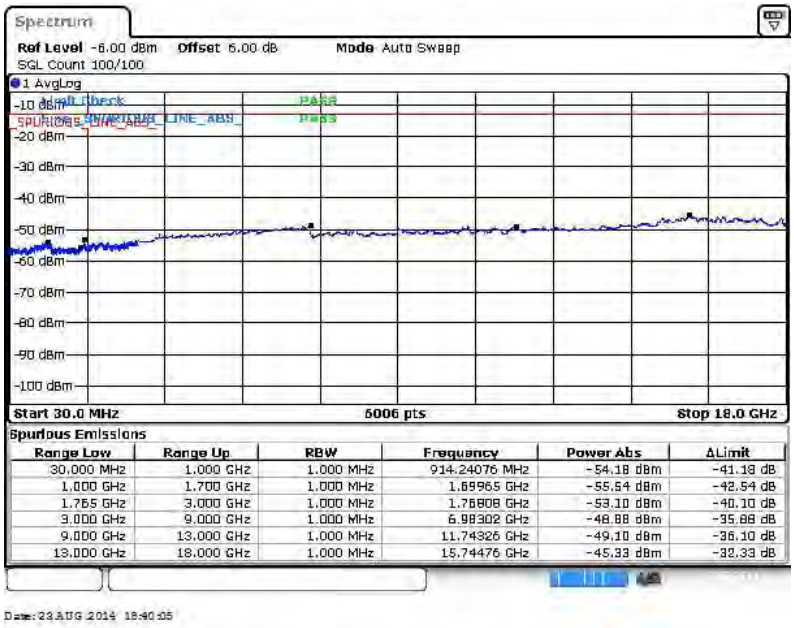


16QAM (RB Size 1, RB Offset 0)

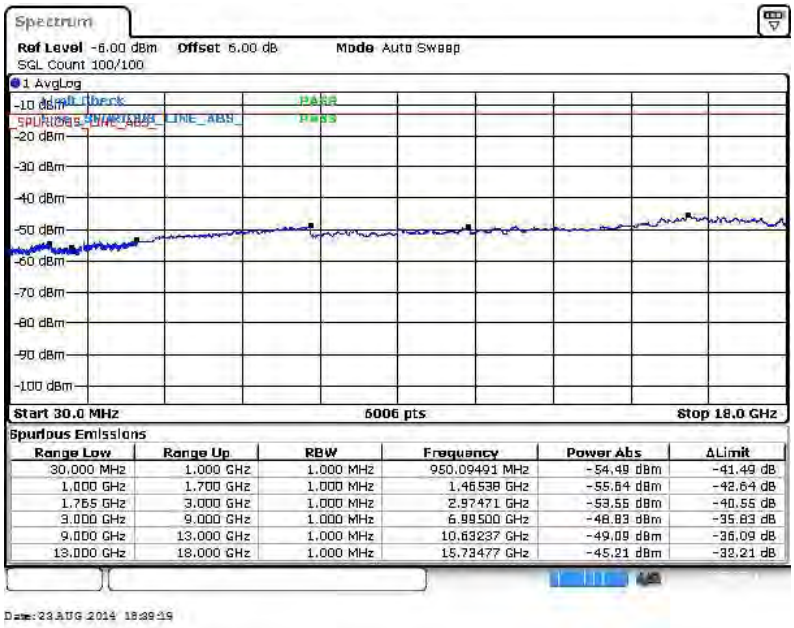


Band :	LTE Band 4	Channel :	CH20325 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)

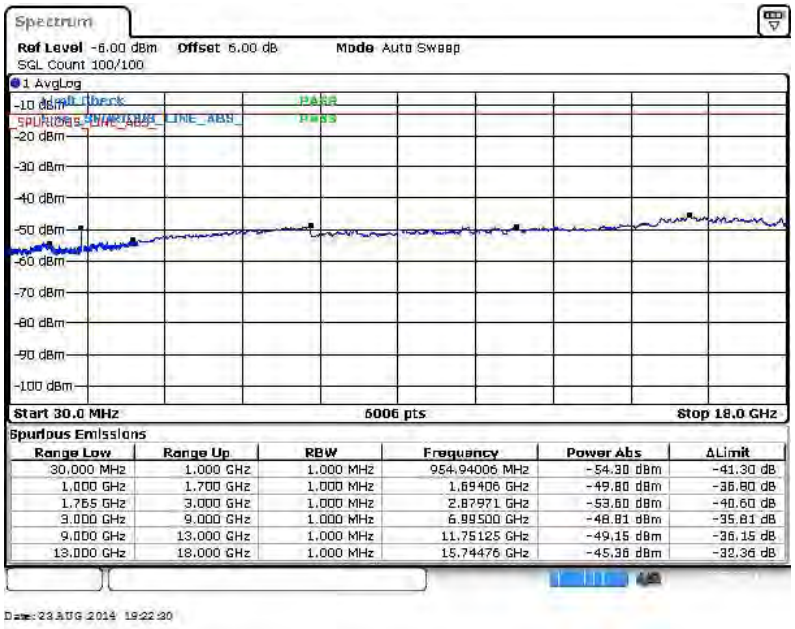


16QAM (RB Size 1, RB Offset 0)

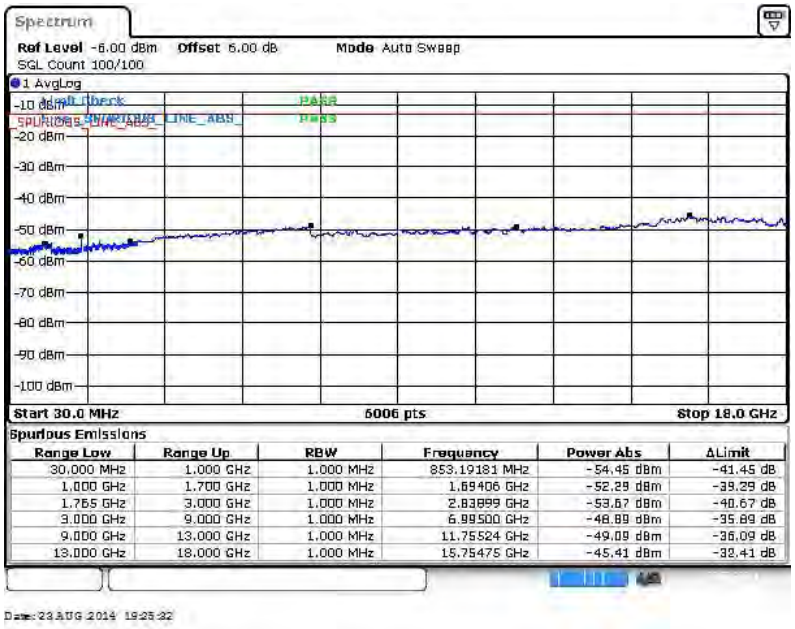


Band :	LTE Band 4	Channel :	CH20050 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

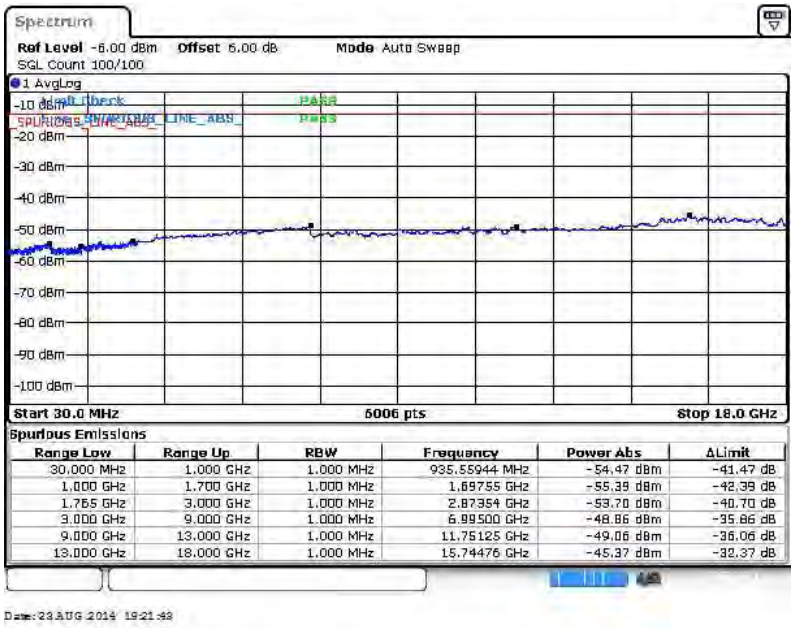


16QAM (RB Size 1, RB Offset 0)

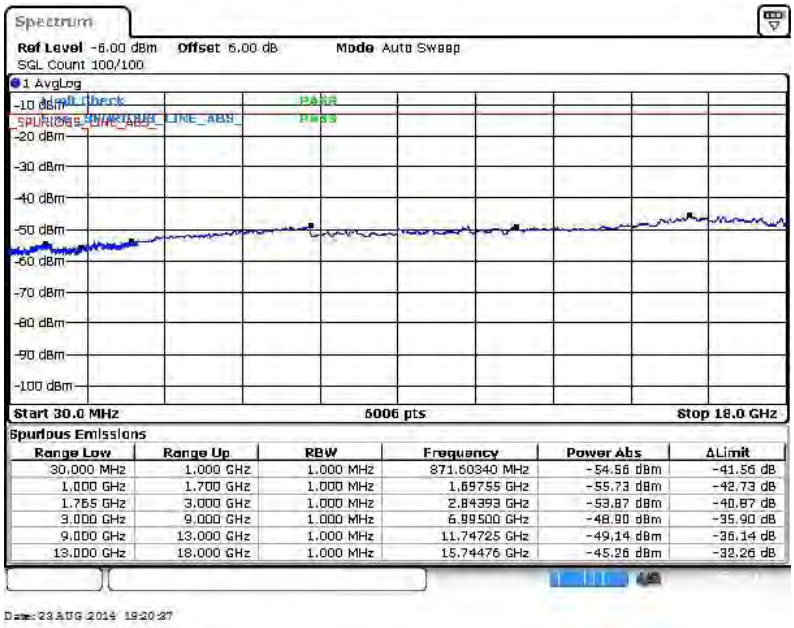


Band :	LTE Band 4	Channel :	CH20175 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

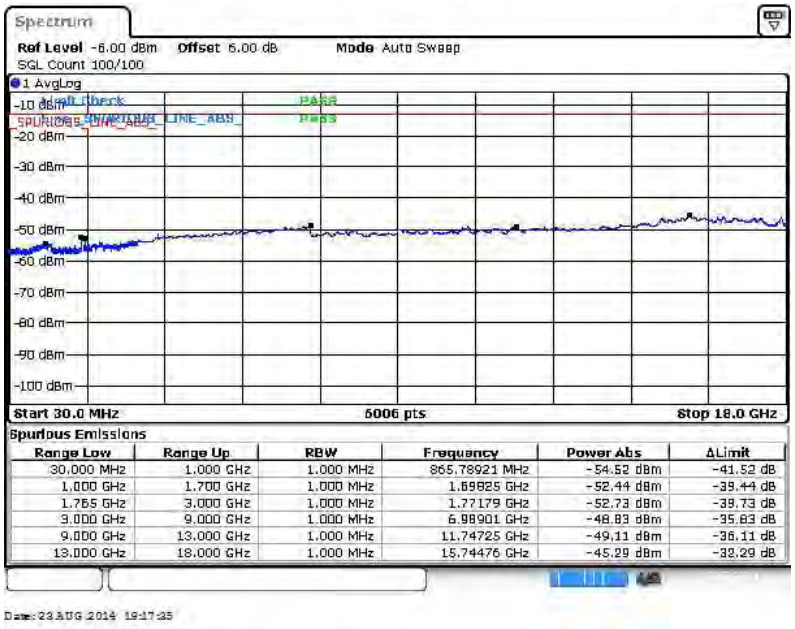


16QAM (RB Size 1, RB Offset 0)

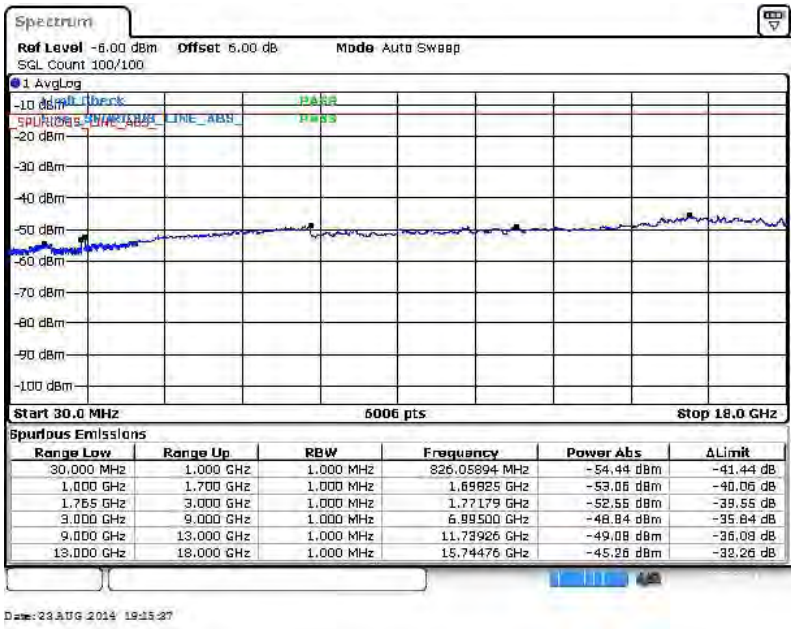


Band :	LTE Band 4	Channel :	CH20300 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)

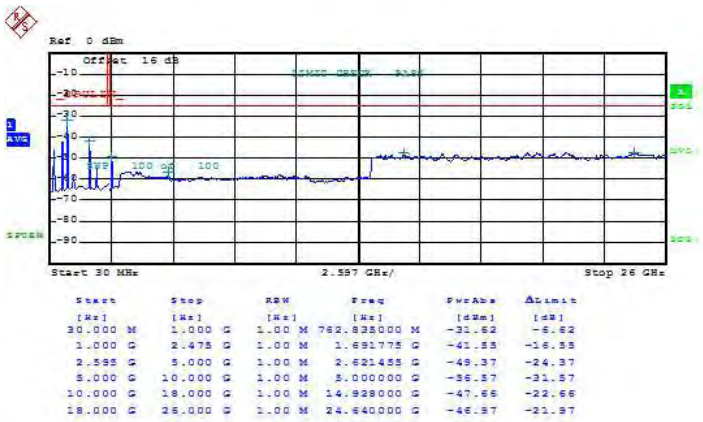


16QAM (RB Size 1, RB Offset 0)



Band :	LTE Band 7	Channel :	CH20775 (Low)
Band Width :	5MHz		

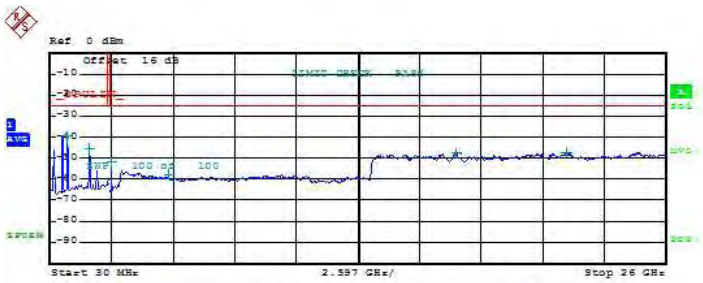
QPSK (RB Size 1, RB Offset 0)



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	762.835000 M	-31.62	-6.62
1.000 G	2.475 G	1.00 M	1.691775 G	-41.55	-16.55
2.595 G	5.000 G	1.00 M	2.621455 G	-49.37	-24.37
5.000 G	10.000 G	1.00 M	5.000000 G	-56.57	-31.57
10.000 G	18.000 G	1.00 M	14.928000 G	-47.66	-22.66
18.000 G	26.000 G	1.00 M	24.640000 G	-46.97	-21.97

Date: 28.AUG.2014 12:19:54

16QAM (RB Size 1, RB Offset 0)

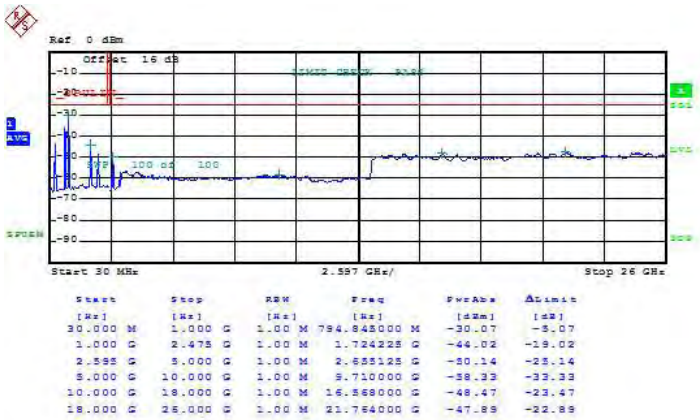


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	762.330000 M	-39.35	-14.35
1.000 G	2.475 G	1.00 M	1.691775 G	-45.47	-20.47
2.595 G	5.000 G	1.00 M	2.620252 G	-51.53	-26.53
5.000 G	10.000 G	1.00 M	5.000000 G	-57.71	-32.71
10.000 G	18.000 G	1.00 M	17.136000 G	-47.72	-22.72
18.000 G	26.000 G	1.00 M	21.776000 G	-46.90	-21.90

Date: 28.AUG.2014 14:52:19

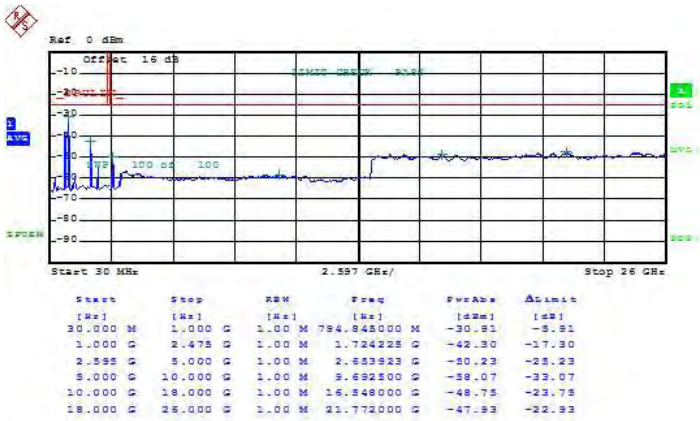
Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 12:15:34

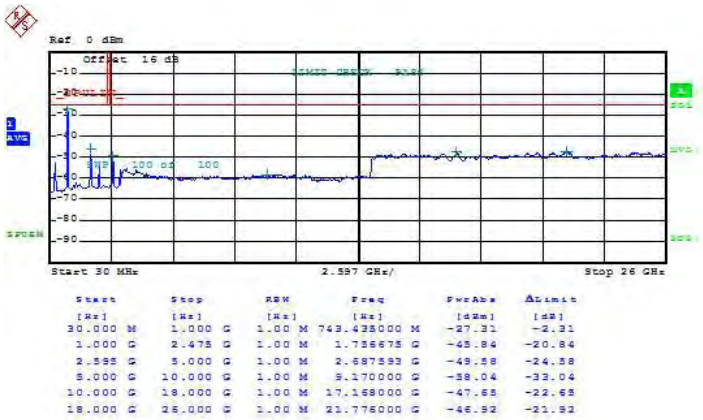
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 12:09:43

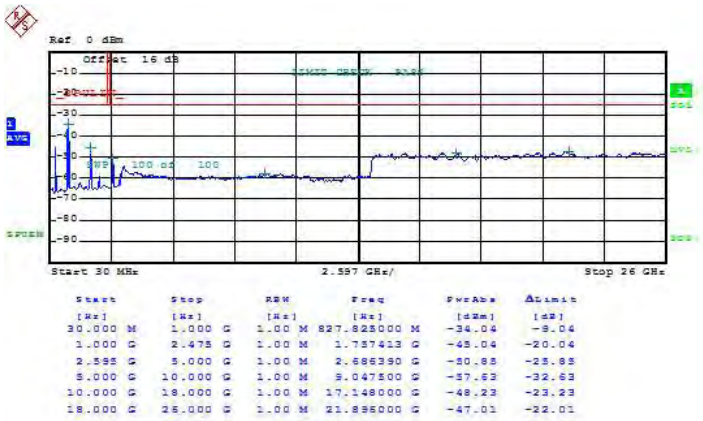
Band :	LTE Band 7	Channel :	CH21425 (High)
Band Width :	5MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:02:07

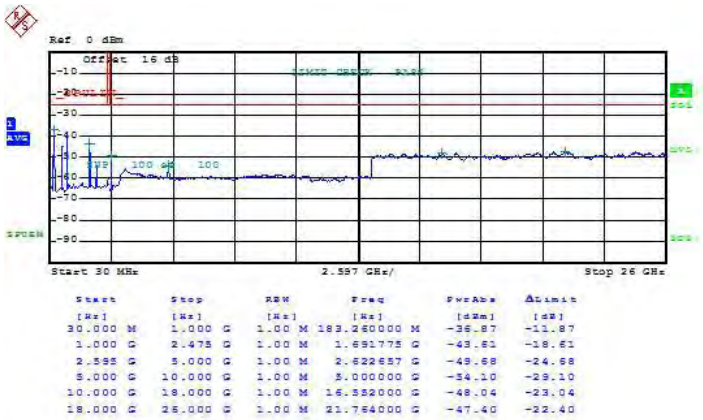
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 14:57:21

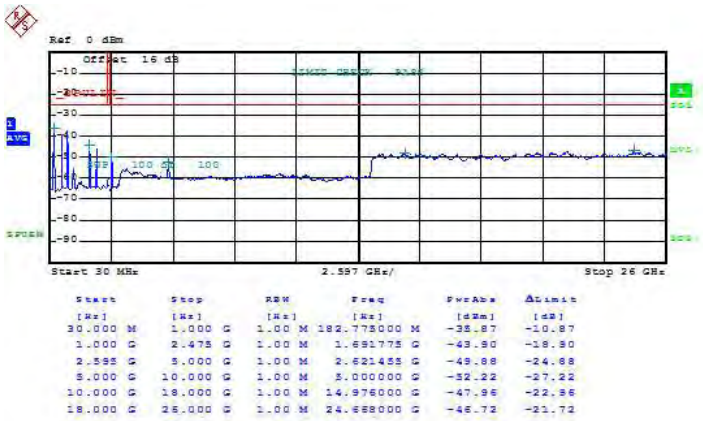
Band :	LTE Band 7	Channel :	CH20800 (Low)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:21:33

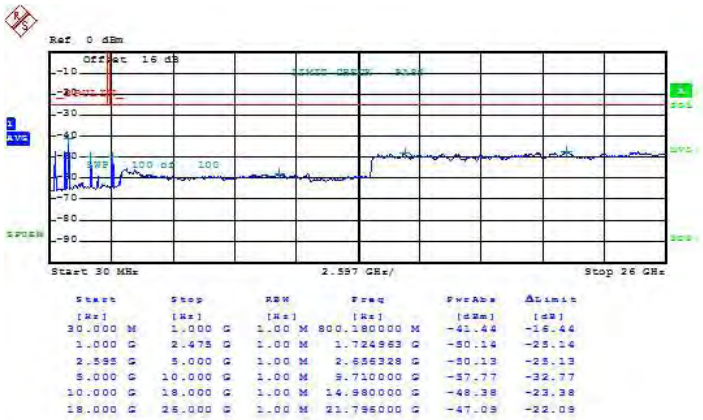
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:24:37

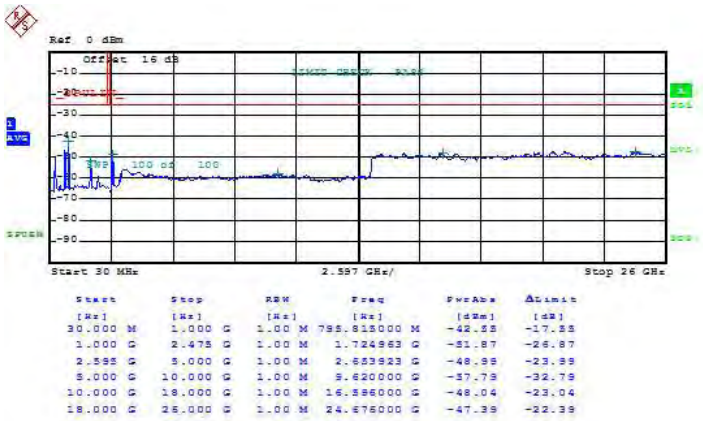
Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:06:25

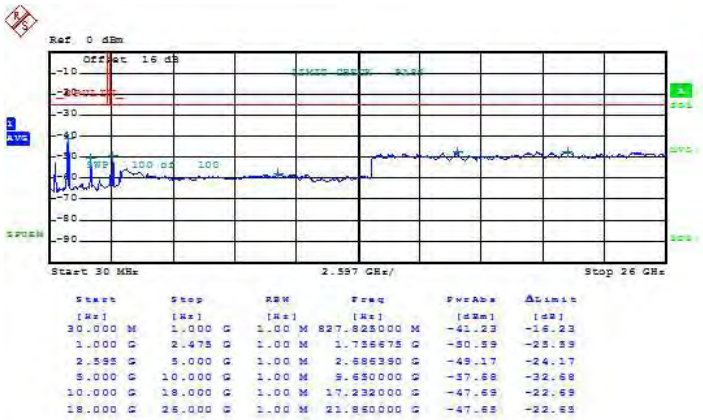
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:09:23

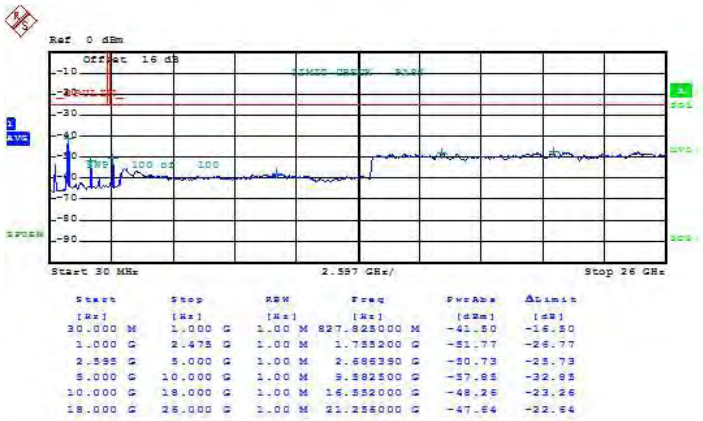
Band :	LTE Band 7	Channel :	CH21400 (High)
Band Width :	10MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:15:58

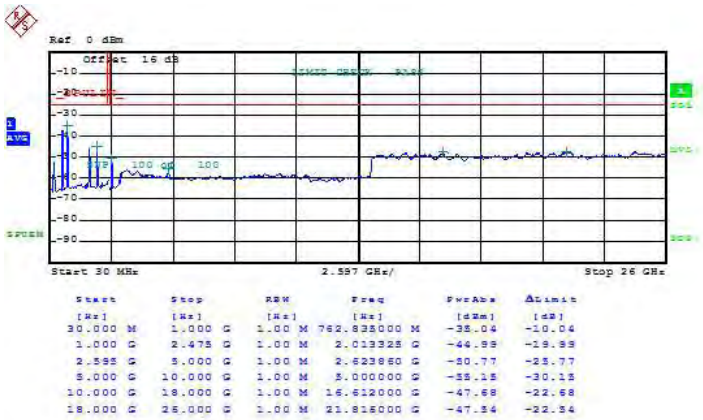
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:12:53

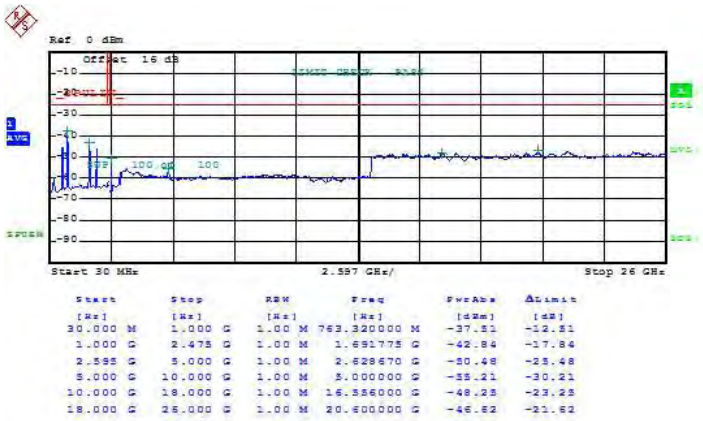
Band :	LTE Band 7	Channel :	CH20825 (Low)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:42:41

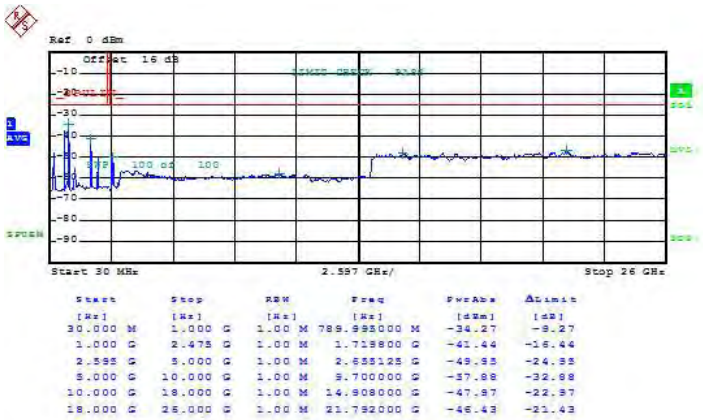
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:45:45

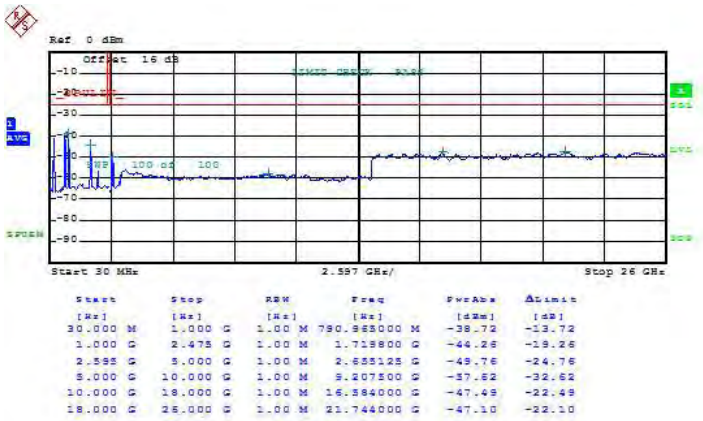
Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:39:09

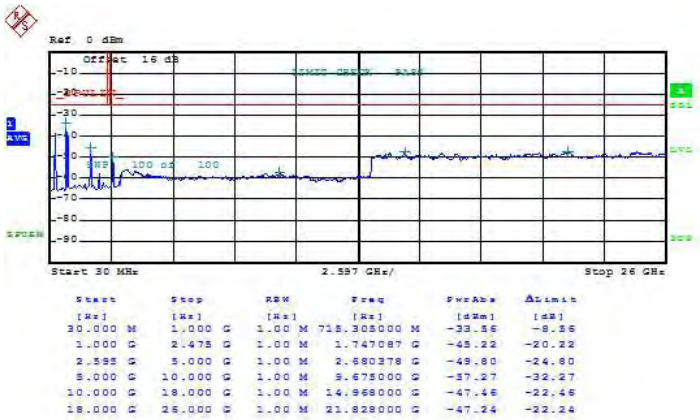
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:35:57

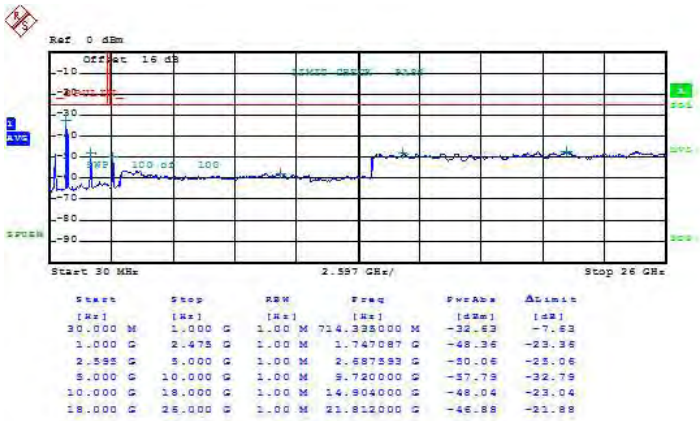
Band :	LTE Band 7	Channel :	CH21375 (High)
Band Width :	15MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:53:34

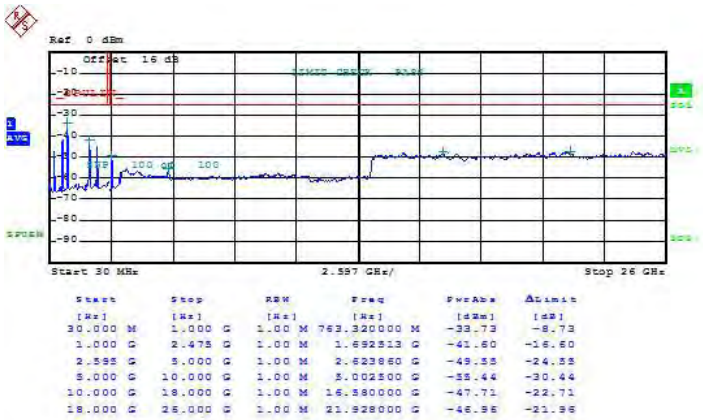
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:50:05

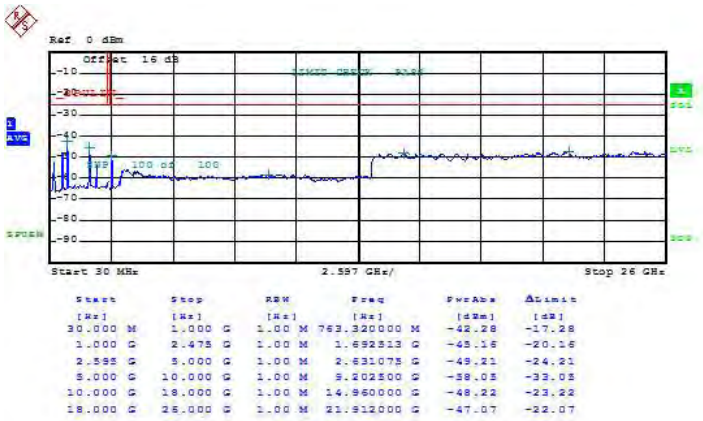
Band :	LTE Band 7	Channel :	CH20850 (Low)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 16:36:05

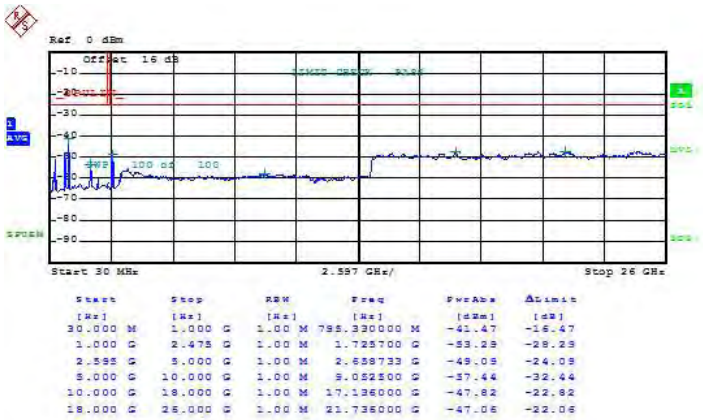
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 16:39:15

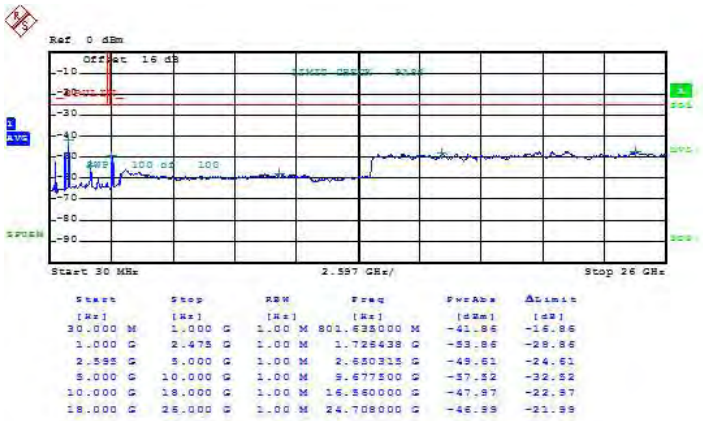
Band :	LTE Band 7	Channel :	CH21100 (Middle)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 15:57:41

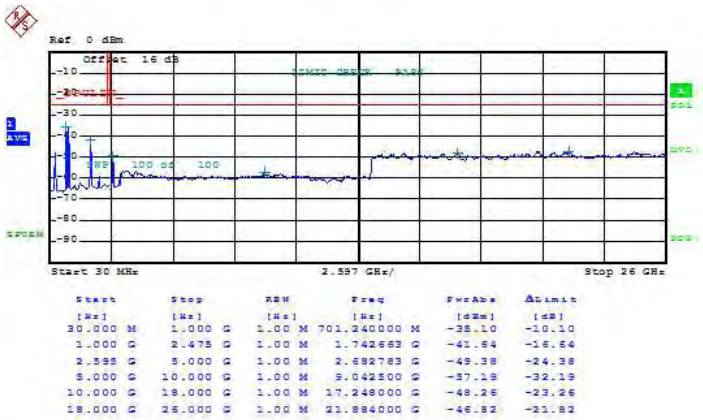
16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 16:00:43

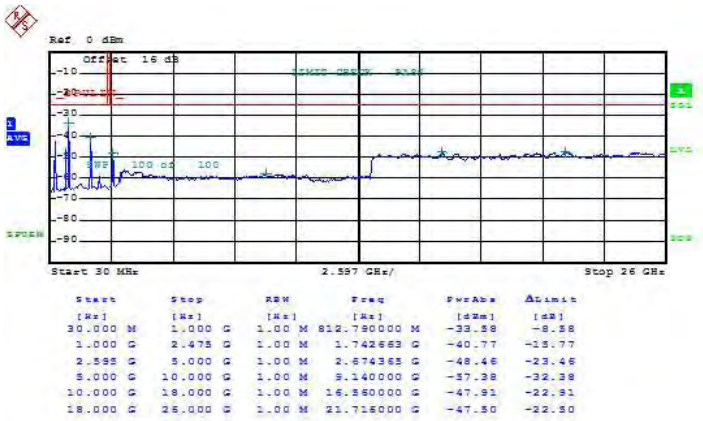
Band :	LTE Band 7	Channel :	CH21350 (High)
Band Width :	20MHz		

QPSK (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 16:28:37

16QAM (RB Size 1, RB Offset 0)



Date: 28.AUG.2014 16:07:12

3.7 Radiated Spurious Emission Measurement

3.7.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-C-2004. The power of any emission outside of the authorized operating frequency ranges must be attenuated below 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 attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.7.2 Measuring Instruments

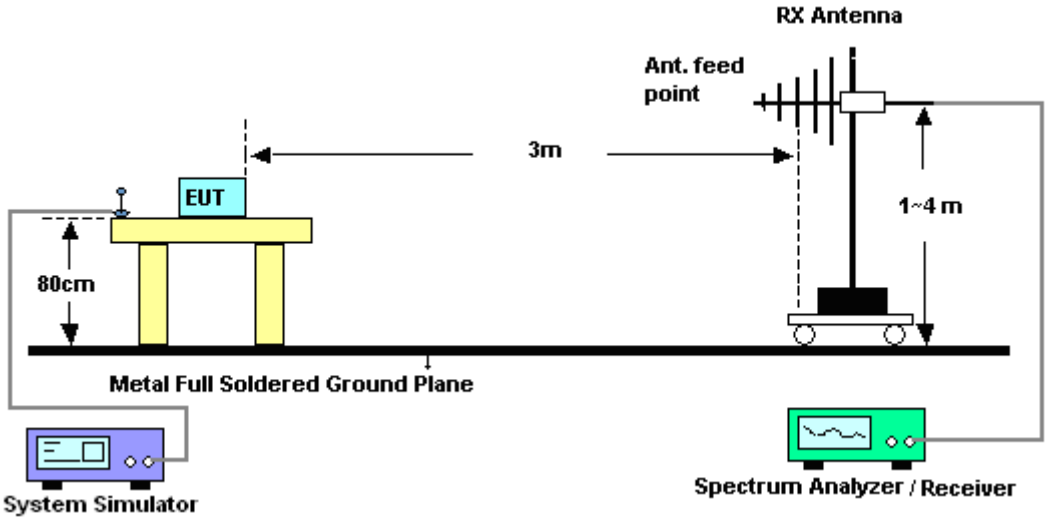
The measuring equipment is listed in the section 4 of this test report.

3.7.3 Test Procedures

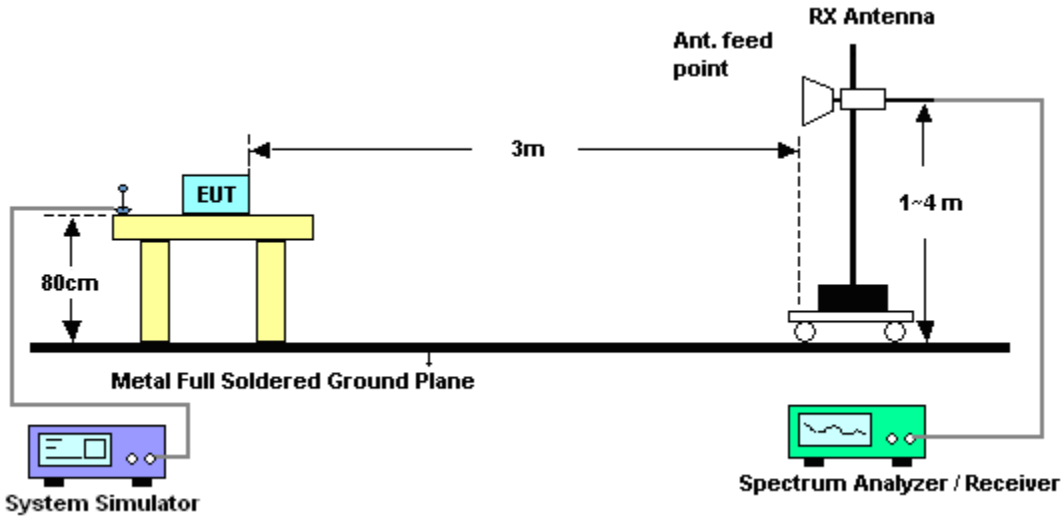
1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    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.
11. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
12. ERP (dBm) = EIRP - 2.15

3.7.4 Test Setup

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.7.5 Test Result of Field Strength of Spurious Radiated

Band :	LTE Band 2 for CH18607	**Temperature :**	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	42~43%
Test Engineer :	Star Wei	**Polarization :**	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-60.30	-13	-47.30	-63.65	-66.68	0.78	7.16	H	Pass
5553	-39.52	-13	-26.52	-54.08	-48.06	1.04	9.58	H	Pass
7401	-35.23	-13	-22.23	-52.59	-45.34	1.35	11.46	H	Pass
9243	-40.70	-13	-27.70	-57.51	-51.76	1.75	12.81	H	Pass
11097	-42.61	-13	-29.61	-62.12	-53.70	2	13.09	H	Pass
12951	-43.61	-13	-30.61	-64.93	-55.32	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18607	**Temperature :**	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	**Relative Humidity :**	42~43%
Test Engineer :	Star Wei	**Polarization :**	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-56.71	-13	-43.71	-65.11	-63.09	0.78	7.16	V	Pass
5553	-38.48	-13	-25.48	-54.85	-47.02	1.04	9.58	V	Pass
7401	-35.58	-13	-22.58	-53.7	-45.69	1.35	11.46	V	Pass
9243	-52.26	-13	-39.26	-64.79	-63.32	1.75	12.81	V	Pass
11097	-29.60	-13	-16.60	-52.58	-40.69	2	13.09	V	Pass
12951	-45.41	-13	-32.41	-63.78	-57.12	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-61.25	-13	-48.25	-64.60	-67.63	0.78	7.16	H	Pass
5640	-35.39	-13	-22.39	-50.78	-43.93	1.04	9.58	H	Pass
7518	-36.03	-13	-23.03	-53.24	-46.14	1.35	11.46	H	Pass
9396	-46.75	-13	-33.75	-60.27	-57.81	1.75	12.81	H	Pass
11277	-37.57	-13	-24.57	-59.25	-48.66	2	13.09	H	Pass
13158	-42.56	-13	-29.56	-63.88	-54.27	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-56.00	-13	-43.00	-64.4	-62.38	0.78	7.16	V	Pass
5640	-44.16	-13	-31.16	-58.93	-52.70	1.04	9.58	V	Pass
7518	-35.84	-13	-22.84	-53.91	-45.95	1.35	11.46	V	Pass
9396	-51.17	-13	-38.17	-63.7	-62.23	1.75	12.81	V	Pass
11277	-28.79	-13	-15.79	-51.84	-39.88	2	13.09	V	Pass
13158	-42.53	-13	-29.53	-61.3	-54.24	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH19193	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3816	-59.65	-13	-46.65	-63.00	-66.03	0.78	7.16	H	Pass
5727	-34.48	-13	-21.48	-50.06	-43.02	1.04	9.58	H	Pass
7638	-32.51	-13	-19.51	-50.26	-42.62	1.35	11.46	H	Pass
9540	-47.33	-13	-34.33	-60.62	-58.39	1.75	12.81	H	Pass
11448	-35.44	-13	-22.44	-57.99	-46.53	2	13.09	H	Pass
13356	-45.88	-13	-32.88	-67.20	-57.59	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH19193	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3816	-54.83	-13	-41.83	-63.23	-61.21	0.78	7.16	V	Pass
5730	-42.10	-13	-29.10	-57.59	-50.64	1.04	9.58	V	Pass
7638	-36.09	-13	-23.09	-54.08	-46.20	1.35	11.46	V	Pass
9540	-52.35	-13	-39.35	-64.88	-63.41	1.75	12.81	V	Pass
11448	-26.10	-13	-13.10	-49.7	-37.19	2	13.09	V	Pass
13365	-46.16	-13	-33.16	-64.53	-57.87	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18615	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-62.39	-13	-49.39	-65.74	-68.77	0.78	7.16	H	Pass
5553	-41.00	-13	-28.00	-55.43	-49.54	1.04	9.58	H	Pass
7401	-36.70	-13	-23.70	-53.69	-46.81	1.35	11.46	H	Pass
9252	-45.53	-13	-32.53	-59.78	-56.59	1.75	12.81	H	Pass
11097	-35.77	-13	-22.77	-58.27	-46.86	2	13.09	H	Pass
12951	-45.09	-13	-32.09	-66.41	-56.80	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18615	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3700	-56.12	-13	-43.12	-64.52	-62.50	0.78	7.16	V	Pass
5553	-47.42	-13	-34.42	-61.35	-55.96	1.04	9.58	V	Pass
7401	-41.62	-13	-28.62	-58.01	-51.73	1.35	11.46	V	Pass
9243	-50.21	-13	-37.21	-62.74	-61.27	1.75	12.81	V	Pass
11097	-29.72	-13	-16.72	-52.7	-40.81	2	13.09	V	Pass
12951	-36.74	-13	-23.74	-58.89	-48.45	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-61.14	-13	-48.14	-64.49	-67.52	0.78	7.16	H	Pass
5637	-39.74	-13	-26.74	-54.25	-48.28	1.04	9.58	H	Pass
7515	-33.18	-13	-20.18	-50.83	-43.29	1.35	11.46	H	Pass
9387	-49.16	-13	-36.16	-61.59	-60.22	1.75	12.81	H	Pass
11268	-32.35	-13	-19.35	-55.93	-43.44	2	13.09	H	Pass
13149	-43.50	-13	-30.50	-64.82	-55.21	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3757	-56.83	-13	-43.83	-65.23	-63.21	0.78	7.16	V	Pass
5637	-44.13	-13	-31.13	-58.9	-52.67	1.04	9.58	V	Pass
7515	-34.27	-13	-21.27	-52.78	-44.38	1.35	11.46	V	Pass
9387	-47.90	-13	-34.90	-60.98	-58.96	1.75	12.81	V	Pass
11268	-30.01	-13	-17.01	-52.97	-41.10	2	13.09	V	Pass
13149	-35.73	-13	-22.73	-58.12	-47.44	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH19185	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3813	-61.96	-13	-48.96	-65.31	-68.34	0.78	7.16	H	Pass
5724	-37.42	-13	-24.42	-52.61	-45.96	1.04	9.58	H	Pass
7629	-35.59	-13	-22.59	-52.89	-45.70	1.35	11.46	H	Pass
9531	-47.85	-13	-34.85	-60.98	-58.91	1.75	12.81	H	Pass
11439	-38.40	-13	-25.40	-59.56	-49.49	2	13.09	H	Pass
13347	-46.08	-13	-33.08	-67.40	-57.79	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH19185	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3813	-54.97	-13	-41.97	-63.37	-61.35	0.78	7.16	V	Pass
5724	-40.12	-13	-27.12	-56.21	-48.66	1.04	9.58	V	Pass
7629	-41.71	-13	-28.71	-58.12	-51.82	1.35	11.46	V	Pass
9531	-52.32	-13	-39.32	-64.85	-63.38	1.75	12.81	V	Pass
11439	-29.17	-13	-16.17	-52.18	-40.26	2	13.09	V	Pass
13347	-46.18	-13	-33.18	-64.55	-57.89	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18625	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-61.81	-13	-48.81	-65.16	-68.19	0.78	7.16	H	Pass
5553	-39.87	-13	-26.87	-54.35	-48.41	1.04	9.58	H	Pass
7401	-33.52	-13	-20.52	-51.15	-43.63	1.35	11.46	H	Pass
9252	-43.17	-13	-30.17	-58.50	-54.23	1.75	12.81	H	Pass
11097	-37.11	-13	-24.11	-59.00	-48.20	2	13.09	H	Pass
12950	-44.74	-13	-31.74	-66.06	-56.45	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18625	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-55.78	-13	-42.78	-64.18	-62.16	0.78	7.16	V	Pass
5553	-50.29	-13	-37.29	-62.94	-58.83	1.04	9.58	V	Pass
7401	-39.66	-13	-26.66	-56.85	-49.77	1.35	11.46	V	Pass
9252	-45.63	-13	-32.63	-60.33	-56.69	1.75	12.81	V	Pass
11097	-27.92	-13	-14.92	-51.12	-39.01	2	13.09	V	Pass
12951	-37.70	-13	-24.70	-59.49	-49.41	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-62.33	-13	-49.33	-65.68	-68.71	0.78	7.16	H	Pass
5634	-39.16	-13	-26.16	-53.81	-47.70	1.04	9.58	H	Pass
7512	-33.37	-13	-20.37	-51.01	-43.48	1.35	11.46	H	Pass
9387	-45.50	-13	-32.50	-59.77	-56.56	1.75	12.81	H	Pass
11268	-32.92	-13	-19.92	-56.45	-44.01	2	13.09	H	Pass
13142	-45.02	-13	-32.02	-66.34	-56.73	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-57.20	-13	-44.20	-65.6	-63.58	0.78	7.16	V	Pass
5634	-44.90	-13	-31.90	-59.68	-53.44	1.04	9.58	V	Pass
7512	-37.85	-13	-24.85	-55.42	-47.96	1.35	11.46	V	Pass
9387	-49.03	-13	-36.03	-61.56	-60.09	1.75	12.81	V	Pass
11268	-29.88	-13	-16.88	-52.85	-40.97	2	13.09	V	Pass
13149	-36.32	-13	-23.32	-58.56	-48.03	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH19175	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3810	-61.97	-13	-48.97	-65.32	-68.35	0.78	7.16	H	Pass
5718	-37.44	-13	-24.44	-52.63	-45.98	1.04	9.58	H	Pass
7623	-35.37	-13	-22.37	-52.71	-45.48	1.35	11.46	H	Pass
9522	-49.89	-13	-36.89	-62.32	-60.95	1.75	12.81	H	Pass
11430	-35.38	-13	-22.38	-57.94	-46.47	2	13.09	H	Pass
13335	-46.06	-13	-33.06	-67.38	-57.77	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH19175	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3810	-55.15	-13	-42.15	-63.55	-61.53	0.78	7.16	V	Pass
5718	-42.54	-13	-29.54	-58.07	-51.08	1.04	9.58	V	Pass
7623	-43.30	-13	-30.30	-58.87	-53.41	1.35	11.46	V	Pass
9522	-53.10	-13	-40.10	-65.63	-64.16	1.75	12.81	V	Pass
11430	-28.51	-13	-15.51	-51.61	-39.60	2	13.09	V	Pass
13338	-45.24	-13	-32.24	-63.61	-56.95	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18650	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3700	-62.02	-13	-49.02	-65.37	-68.40	0.78	7.16	H	Pass
5553	-41.03	-13	-28.03	-55.45	-49.57	1.04	9.58	H	Pass
7404	-35.06	-13	-22.06	-52.45	-45.17	1.35	11.46	H	Pass
9252	-43.12	-13	-30.12	-58.46	-54.18	1.75	12.81	H	Pass
11097	-41.46	-13	-28.46	-61.05	-52.55	2	13.09	H	Pass
12950	-44.91	-13	-31.91	-66.23	-56.62	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18650	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-55.76	-13	-42.76	-64.16	-62.14	0.78	7.16	V	Pass
5553	-50.29	-13	-37.29	-62.94	-58.83	1.04	9.58	V	Pass
7401	-43.72	-13	-30.72	-59.28	-53.83	1.35	11.46	V	Pass
9252	-50.86	-13	-37.86	-63.39	-61.92	1.75	12.81	V	Pass
11097	-27.81	-13	-14.81	-51.04	-38.90	2	13.09	V	Pass
12951	-36.97	-13	-23.97	-59.07	-48.68	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3750	-61.14	-13	-48.14	-64.49	-67.52	0.78	7.16	H	Pass
5628	-37.71	-13	-24.71	-52.86	-46.25	1.04	9.58	H	Pass
7503	-29.64	-13	-16.64	-47.73	-39.75	1.35	11.46	H	Pass
9378	-44.47	-13	-31.47	-59.36	-55.53	1.75	12.81	H	Pass
11250	-32.74	-13	-19.74	-56.29	-43.83	2	13.09	H	Pass
13131	-43.04	-13	-30.04	-64.36	-54.75	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3750	-56.36	-13	-43.36	-64.76	-62.74	0.78	7.16	V	Pass
5628	-40.67	-13	-27.67	-56.69	-49.21	1.04	9.58	V	Pass
7503	-37.54	-13	-24.54	-55.07	-47.65	1.35	11.46	V	Pass
9378	-51.17	-13	-38.17	-63.7	-62.23	1.75	12.81	V	Pass
11250	-28.68	-13	-15.68	-51.75	-39.77	2	13.09	V	Pass
13131	-32.53	-13	-19.53	-56.27	-44.24	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH19150	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3801	-62.38	-13	-49.38	-65.73	-68.76	0.78	7.16	H	Pass
5703	-34.61	-13	-21.61	-50.16	-43.15	1.04	9.58	H	Pass
7602	-32.47	-13	-19.47	-50.22	-42.58	1.35	11.46	H	Pass
9495	-43.82	-13	-30.82	-58.99	-54.88	1.75	12.81	H	Pass
11403	-29.71	-13	-16.71	-54.07	-40.80	2	13.09	H	Pass
13300	-44.06	-13	-31.06	-65.38	-55.77	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH19150	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3801	-56.63	-13	-43.63	-65.03	-63.01	0.78	7.16	V	Pass
5703	-39.70	-13	-26.70	-55.89	-48.24	1.04	9.58	V	Pass
7602	-36.78	-13	-23.78	-54.37	-46.89	1.35	11.46	V	Pass
9495	-49.74	-13	-36.74	-62.27	-60.80	1.75	12.81	V	Pass
11403	-24.17	-13	-11.17	-48.04	-35.26	2	13.09	V	Pass
13302	-43.17	-13	-30.17	-61.54	-54.88	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18675	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3700	-62.88	-13	-49.88	-66.23	-69.26	0.78	7.16	H	Pass
5553	-38.75	-13	-25.75	-53.54	-47.29	1.04	9.58	H	Pass
7404	-37.71	-13	-24.71	-54.41	-47.82	1.35	11.46	H	Pass
9252	-46.14	-13	-33.14	-59.98	-57.20	1.75	12.81	H	Pass
11106	-42.66	-13	-29.66	-62.17	-53.75	2	13.09	H	Pass
12950	-45.15	-13	-32.15	-66.47	-56.86	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18675	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-56.26	-13	-43.26	-64.66	-62.64	0.78	7.16	V	Pass
5553	-39.50	-13	-26.50	-55.75	-48.04	1.04	9.58	V	Pass
7404	-37.86	-13	-24.86	-55.43	-47.97	1.35	11.46	V	Pass
9252	-51.70	-13	-38.70	-64.23	-62.76	1.75	12.81	V	Pass
11106	-28.28	-13	-15.28	-51.42	-39.37	2	13.09	V	Pass
12951	-41.59	-13	-28.59	-61.07	-53.30	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3745	-62.25	-13	-49.25	-65.60	-68.63	0.78	7.16	H	Pass
5622	-38.94	-13	-25.94	-53.65	-47.48	1.04	9.58	H	Pass
7494	-32.85	-13	-19.85	-50.54	-42.96	1.35	11.46	H	Pass
9360	-46.87	-13	-33.87	-60.33	-57.93	1.75	12.81	H	Pass
11241	-35.94	-13	-22.94	-58.41	-47.03	2	13.09	H	Pass
13113	-40.74	-13	-27.74	-62.06	-52.45	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3745	-57.82	-13	-44.82	-66.22	-64.20	0.78	7.16	V	Pass
5622	-42.40	-13	-29.40	-57.91	-50.94	1.04	9.58	V	Pass
7494	-33.80	-13	-20.80	-52.39	-43.91	1.35	11.46	V	Pass
9360	-51.30	-13	-38.30	-63.83	-62.36	1.75	12.81	V	Pass
11241	-28.30	-13	-15.30	-51.43	-39.39	2	13.09	V	Pass
13113	-34.73	-13	-21.73	-57.52	-46.44	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH19125	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3789	-62.44	-13	-49.44	-65.79	-68.82	0.78	7.16	H	Pass
5688	-39.19	-13	-26.19	-53.83	-47.73	1.04	9.58	H	Pass
7584	-31.94	-13	-18.94	-49.78	-42.05	1.35	11.46	H	Pass
9477	-45.42	-13	-32.42	-59.75	-56.48	1.75	12.81	H	Pass
11376	-32.20	-13	-19.20	-55.80	-43.29	2	13.09	H	Pass
13265	-43.87	-13	-30.87	-65.19	-55.58	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH19125	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3789	-57.24	-13	-44.24	-65.64	-63.62	0.78	7.16	V	Pass
5688	-42.66	-13	-29.66	-58.2	-51.20	1.04	9.58	V	Pass
7584	-34.67	-13	-21.67	-53.02	-44.78	1.35	11.46	V	Pass
9477	-52.76	-13	-39.76	-65.29	-63.82	1.75	12.81	V	Pass
11376	-25.12	-13	-12.12	-48.91	-36.21	2	13.09	V	Pass
13275	-38.70	-13	-25.70	-59.97	-50.41	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18700	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3699	-62.66	-13	-49.66	-66.01	-69.04	0.78	7.16	H	Pass
5553	-40.60	-13	-27.60	-55.04	-49.14	1.04	9.58	H	Pass
7404	-34.36	-13	-21.36	-51.89	-44.47	1.35	11.46	H	Pass
9252	-43.82	-13	-30.82	-58.99	-54.88	1.75	12.81	H	Pass
11106	-39.62	-13	-26.62	-60.30	-50.71	2	13.09	H	Pass
12950	-45.27	-13	-32.27	-66.59	-56.98	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18700	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3700	-58.33	-13	-45.33	-66.73	-64.71	0.78	7.16	V	Pass
5556	-44.96	-13	-31.96	-59.74	-53.50	1.04	9.58	V	Pass
7404	-36.83	-13	-23.83	-54.39	-46.94	1.35	11.46	V	Pass
9252	-51.92	-13	-38.92	-64.45	-62.98	1.75	12.81	V	Pass
11106	-30.70	-13	-17.70	-53.45	-41.79	2	13.09	V	Pass
12960	-43.79	-13	-30.79	-62.16	-55.50	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3740	-62.52	-13	-49.52	-65.87	-68.90	0.78	7.16	H	Pass
5616	-38.77	-13	-25.77	-53.55	-47.31	1.04	9.58	H	Pass
7485	-31.76	-13	-18.76	-49.62	-41.87	1.35	11.46	H	Pass
9351	-44.84	-13	-31.84	-59.55	-55.90	1.75	12.81	H	Pass
11223	-35.58	-13	-22.58	-58.11	-46.67	2	13.09	H	Pass
13095	-40.86	-13	-27.86	-62.18	-52.57	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH18900	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3740	-57.23	-13	-44.23	-65.63	-63.61	0.78	7.16	V	Pass
5616	-38.59	-13	-25.59	-54.97	-47.13	1.04	9.58	V	Pass
7485	-33.47	-13	-20.47	-52.02	-43.58	1.35	11.46	V	Pass
9351	-50.91	-13	-37.91	-63.44	-61.97	1.75	12.81	V	Pass
11223	-27.92	-13	-14.92	-51.12	-39.01	2	13.09	V	Pass
13095	-37.36	-13	-24.36	-59.3	-49.07	2.04	13.75	V	Pass

Band :	LTE Band 2 for CH19100	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3780	-61.76	-13	-48.76	-65.11	-68.14	0.78	7.16	H	Pass
5673	-36.25	-13	-23.25	-51.52	-44.79	1.04	9.58	H	Pass
7566	-32.19	-13	-19.19	-49.99	-42.30	1.35	11.46	H	Pass
9450	-47.89	-13	-34.89	-61.01	-58.95	1.75	12.81	H	Pass
11349	-33.35	-13	-20.35	-56.71	-44.44	2	13.09	H	Pass
13230	-44.79	-13	-31.79	-66.11	-56.50	2.04	13.75	H	Pass

Band :	LTE Band 2 for CH19100	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3780	-57.24	-13	-44.24	-65.64	-63.62	0.78	7.16	V	Pass
5676	-40.95	-13	-27.95	-56.93	-49.49	1.04	9.58	V	Pass
7566	-38.61	-13	-25.61	-56.02	-48.72	1.35	11.46	V	Pass
9450	-51.59	-13	-38.59	-64.12	-62.65	1.75	12.81	V	Pass
11349	-29.53	-13	-16.53	-52.52	-40.62	2	13.09	V	Pass
13239	-41.64	-13	-28.64	-61.09	-53.35	2.04	13.75	V	Pass

Band :	LTE Band 4 for CH19957	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.30	-13	-49.30	-64.53	-67.70	2.2	7.60	H	Pass
5133	-40.44	-13	-27.44	-56.17	-47.22	3.12	9.90	H	Pass
6840	-32.24	-13	-19.24	-48.67	-40.13	2.98	10.87	H	Pass
8553	-33.33	-13	-20.33	-51.12	-42.82	2.97	12.46	H	Pass
10260	-48.41	-13	-35.41	-63.25	-57.57	3.46	12.62	H	Pass
11973	-48.66	-13	-35.66	-64.14	-56.76	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH19957	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-64.21	-13	-51.21	-65.23	-69.61	2.2	7.6	V	Pass
5130	-57.22	-13	-44.22	-65.19	-64.00	3.12	9.9	V	Pass
6840	-39.30	-13	-26.30	-54.25	-47.19	2.98	10.87	V	Pass
8553	-45.21	-13	-32.21	-58.62	-54.70	2.97	12.46	V	Pass
10263	-51.54	-13	-38.54	-64.19	-60.70	3.46	12.62	V	Pass
11973	-42.62	-13	-29.62	-59.85	-50.72	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-62.22	-13	-49.22	-64.45	-67.62	2.2	7.60	H	Pass
5196	-34.60	-13	-21.60	-51.44	-41.38	3.12	9.90	H	Pass
6930	-32.33	-13	-19.33	-48.75	-40.22	2.98	10.87	H	Pass
8661	-35.27	-13	-22.27	-52.82	-44.76	2.97	12.46	H	Pass
10392	-48.86	-13	-35.86	-63.70	-58.02	3.46	12.62	H	Pass
12120	-47.74	-13	-34.74	-63.22	-55.84	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-63.36	-13	-50.36	-64.38	-68.76	2.2	7.6	V	Pass
5196	-53.12	-13	-40.12	-61.98	-59.90	3.12	9.9	V	Pass
6930	-38.28	-13	-25.28	-53.6	-46.17	2.98	10.87	V	Pass
8661	-48.67	-13	-35.67	-60.5	-58.16	2.97	12.46	V	Pass
10392	-46.82	-13	-33.82	-60.28	-55.98	3.46	12.62	V	Pass
12120	-34.65	-13	-21.65	-54.94	-42.75	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20393	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3507	-61.86	-13	-48.86	-64.09	-67.26	2.2	7.60	H	Pass
5262	-33.03	-13	-20.03	-50.06	-39.81	3.12	9.90	H	Pass
7014	-36.26	-13	-23.26	-52.08	-44.15	2.98	10.87	H	Pass
8772	-34.23	-13	-21.23	-51.97	-43.72	2.97	12.46	H	Pass
10521	-50.87	-13	-37.87	-65.71	-60.03	3.46	12.62	H	Pass
12276	-47.49	-13	-34.49	-62.97	-55.59	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20393	Temperature :	22~23°C
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3507	-63.47	-13	-50.47	-64.49	-68.87	2.2	7.6	V	Pass
5262	-50.15	-13	-37.15	-60.7	-56.93	3.12	9.9	V	Pass
7014	-42.89	-13	-29.89	-56.99	-50.78	2.98	10.87	V	Pass
8772	-41.81	-13	-28.81	-56.61	-51.30	2.97	12.46	V	Pass
10524	-50.62	-13	-37.62	-63.27	-59.78	3.46	12.62	V	Pass
12276	-37.07	-13	-24.07	-56.71	-45.17	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH19965	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.41	-13	-49.41	-64.64	-67.81	2.2	7.60	H	Pass
5130	-35.42	-13	-22.42	-52.06	-42.20	3.12	9.90	H	Pass
6840	-30.86	-13	-17.86	-47.41	-38.75	2.98	10.87	H	Pass
8553	-33.05	-13	-20.05	-50.84	-42.54	2.97	12.46	H	Pass
10260	-49.06	-13	-36.06	-63.90	-58.22	3.46	12.62	H	Pass
11973	-48.80	-13	-35.80	-64.28	-56.90	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH19965	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-63.51	-13	-50.51	-64.53	-68.91	2.2	7.6	V	Pass
5130	-55.08	-13	-42.08	-63.05	-61.86	3.12	9.9	V	Pass
6840	-36.88	-13	-23.88	-52.59	-44.77	2.98	10.87	V	Pass
8553	-43.42	-13	-30.42	-57.67	-52.91	2.97	12.46	V	Pass
10263	-50.20	-13	-37.20	-62.85	-59.36	3.46	12.62	V	Pass
11973	-44.40	-13	-31.40	-60.37	-52.50	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-61.69	-13	-48.69	-63.92	-67.09	2.2	7.60	H	Pass
5196	-34.45	-13	-21.45	-51.32	-41.23	3.12	9.90	H	Pass
6924	-30.69	-13	-17.69	-47.25	-38.58	2.98	10.87	H	Pass
8658	-34.86	-13	-21.86	-52.48	-44.35	2.97	12.46	H	Pass
10389	-46.21	-13	-33.21	-61.05	-55.37	3.46	12.62	H	Pass
12120	-50.53	-13	-37.53	-66.01	-58.63	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3459	-63.47	-13	-50.47	-64.49	-68.87	2.2	7.6	V	Pass
5196	-55.21	-13	-42.21	-63.18	-61.99	3.12	9.9	V	Pass
6924	-37.22	-13	-24.22	-52.86	-45.11	2.98	10.87	V	Pass
8658	-49.45	-13	-36.45	-60.89	-58.94	2.97	12.46	V	Pass
10386	-51.21	-13	-38.21	-63.86	-60.37	3.46	12.62	V	Pass
12114	-33.74	-13	-20.74	-54.26	-41.84	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20385	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3504	-61.87	-13	-48.87	-64.10	-67.27	2.2	7.60	H	Pass
5259	-35.74	-13	-22.74	-52.27	-42.52	3.12	9.90	H	Pass
7008	-35.70	-13	-22.70	-51.61	-43.59	2.98	10.87	H	Pass
8763	-33.38	-13	-20.38	-51.17	-42.87	2.97	12.46	H	Pass
10512	-51.05	-13	-38.05	-65.89	-60.21	3.46	12.62	H	Pass
12264	-48.31	-13	-35.31	-63.79	-56.41	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20385	Temperature :	22~23°C
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3504	-64.90	-13	-51.90	-65.92	-70.30	2.2	7.6	V	Pass
5259	-50.05	-13	-37.05	-60.64	-56.83	3.12	9.9	V	Pass
7008	-41.00	-13	-28.00	-55.28	-48.89	2.98	10.87	V	Pass
8763	-42.53	-13	-29.53	-57.06	-52.02	2.97	12.46	V	Pass
10512	-53.39	-13	-40.39	-66.04	-62.55	3.46	12.62	V	Pass
12264	-37.92	-13	-24.92	-57.16	-46.02	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH19975	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-56.42	-13	-43.42	-59.45	-61.82	2.2	7.60	H	Pass
5133	-37.37	-13	-24.37	-53.72	-44.15	3.12	9.90	H	Pass
6840	-34.18	-13	-21.18	-50.26	-42.07	2.98	10.87	H	Pass
8553	-34.45	-13	-21.45	-52.15	-43.94	2.97	12.46	H	Pass
10263	-49.62	-13	-36.62	-64.46	-58.78	3.46	12.62	H	Pass
11973	-46.61	-13	-33.61	-62.09	-54.71	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH19975	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-61.98	-13	-48.98	-63	-67.38	2.2	7.6	V	Pass
5133	-53.46	-13	-40.46	-62.09	-60.24	3.12	9.9	V	Pass
6840	-37.49	-13	-24.49	-53.06	-45.38	2.98	10.87	V	Pass
8553	-39.85	-13	-26.85	-55.42	-49.34	2.97	12.46	V	Pass
10263	-51.29	-13	-38.29	-63.94	-60.45	3.46	12.62	V	Pass
11976	-41.95	-13	-28.95	-59.46	-50.05	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3459	-60.81	-13	-47.81	-63.04	-66.21	2.2	7.60	H	Pass
5193	-39.94	-13	-26.94	-55.70	-46.72	3.12	9.90	H	Pass
6921	-29.61	-13	-16.61	-46.31	-37.50	2.98	10.87	H	Pass
8655	-36.84	-13	-23.84	-53.87	-46.33	2.97	12.46	H	Pass
10380	-50.11	-13	-37.11	-64.95	-59.27	3.46	12.62	H	Pass
12108	-47.40	-13	-34.40	-62.88	-55.50	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3459	-63.14	-13	-50.14	-64.16	-68.54	2.2	7.6	V	Pass
5193	-56.71	-13	-43.71	-64.68	-63.49	3.12	9.9	V	Pass
6921	-40.27	-13	-27.27	-54.94	-48.16	2.98	10.87	V	Pass
8655	-49.20	-13	-36.20	-60.77	-58.69	2.97	12.46	V	Pass
10383	-49.90	-13	-36.90	-62.55	-59.06	3.46	12.62	V	Pass
12108	-35.72	-13	-22.72	-55.79	-43.82	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20375	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3501	-58.76	-13	-45.76	-60.99	-64.16	2.2	7.60	H	Pass
5253	-40.72	-13	-27.72	-56.44	-47.50	3.12	9.90	H	Pass
7002	-35.65	-13	-22.65	-51.57	-43.54	2.98	10.87	H	Pass
8754	-33.19	-13	-20.19	-50.98	-42.68	2.97	12.46	H	Pass
10500	-51.34	-13	-38.34	-66.18	-60.50	3.46	12.62	H	Pass
12252	-48.34	-13	-35.34	-63.82	-56.44	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20375	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3501	-62.68	-13	-49.68	-63.7	-68.08	2.2	7.6	V	Pass
5250	-58.60	-13	-45.60	-66.57	-65.38	3.12	9.9	V	Pass
7002	-42.43	-13	-29.43	-56.62	-50.32	2.98	10.87	V	Pass
8754	-37.80	-13	-24.80	-53.84	-47.29	2.97	12.46	V	Pass
10503	-50.68	-13	-37.68	-63.33	-59.84	3.46	12.62	V	Pass
12252	-45.17	-13	-32.17	-60.63	-53.27	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20000	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-59.85	-13	-46.85	-62.08	-65.25	2.2	7.60	H	Pass
5133	-37.02	-13	-24.02	-53.37	-43.80	3.12	9.90	H	Pass
6843	-30.46	-13	-17.46	-47.04	-38.35	2.98	10.87	H	Pass
8556	-32.82	-13	-19.82	-50.67	-42.31	2.97	12.46	H	Pass
10263	-49.32	-13	-36.32	-64.16	-58.48	3.46	12.62	H	Pass
11970	-49.51	-13	-36.51	-64.99	-57.61	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20000	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-62.84	-13	-49.84	-63.86	-68.24	2.2	7.6	V	Pass
5133	-57.41	-13	-44.41	-65.38	-64.19	3.12	9.9	V	Pass
6843	-37.36	-13	-24.36	-52.96	-45.25	2.98	10.87	V	Pass
8556	-41.00	-13	-28.00	-56.05	-50.49	2.97	12.46	V	Pass
10263	-50.54	-13	-37.54	-63.19	-59.70	3.46	12.62	V	Pass
11976	-41.13	-13	-28.13	-59.08	-49.23	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3456	-59.82	-13	-46.82	-62.05	-65.22	2.2	7.60	H	Pass
5184	-33.44	-13	-20.44	-50.43	-40.22	3.12	9.90	H	Pass
6912	-31.97	-13	-18.97	-48.44	-39.86	2.98	10.87	H	Pass
8643	-39.73	-13	-26.73	-56.06	-49.22	2.97	12.46	H	Pass
10365	-49.39	-13	-36.39	-64.23	-58.55	3.46	12.62	H	Pass
12096	-46.22	-13	-33.22	-61.70	-54.32	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3456	-63.27	-13	-50.27	-64.29	-68.67	2.2	7.6	V	Pass
5184	-41.73	-13	-28.73	-55.44	-48.51	3.12	9.9	V	Pass
6912	-41.15	-13	-28.15	-55.43	-49.04	2.98	10.87	V	Pass
8643	-50.82	-13	-37.82	-61.97	-60.31	2.97	12.46	V	Pass
10365	-52.97	-13	-39.97	-65.62	-62.13	3.46	12.62	V	Pass
12096	-31.74	-13	-18.74	-52.85	-39.84	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20350	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3489	-60.31	-13	-47.31	-62.54	-65.71	2.2	7.60	H	Pass
5238	-37.99	-13	-24.99	-54.34	-44.77	3.12	9.90	H	Pass
6981	-32.43	-13	-19.43	-48.84	-40.32	2.98	10.87	H	Pass
8730	-32.29	-13	-19.29	-50.32	-41.78	2.97	12.46	H	Pass
10473	-47.86	-13	-34.86	-62.70	-57.02	3.46	12.62	H	Pass
12219	-48.78	-13	-35.78	-64.26	-56.88	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20350	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3489	-61.71	-13	-48.71	-62.73	-67.11	2.2	7.6	V	Pass
5238	-48.70	-13	-35.70	-60.19	-55.48	3.12	9.9	V	Pass
6981	-39.37	-13	-26.37	-54.3	-47.26	2.98	10.87	V	Pass
8730	-38.24	-13	-25.24	-54.18	-47.73	2.97	12.46	V	Pass
10473	-48.31	-13	-35.31	-60.96	-57.47	3.46	12.62	V	Pass
12219	-41.37	-13	-28.37	-59.19	-49.47	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20025	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-60.77	-13	-47.77	-63.00	-66.17	2.2	7.60	H	Pass
5133	-39.78	-13	-26.78	-55.56	-46.56	3.12	9.90	H	Pass
6843	-30.23	-13	-17.23	-46.83	-38.12	2.98	10.87	H	Pass
8556	-33.07	-13	-20.07	-50.86	-42.56	2.97	12.46	H	Pass
10266	-48.41	-13	-35.41	-63.25	-57.57	3.46	12.62	H	Pass
11979	-49.00	-13	-36.00	-64.48	-57.10	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20025	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-64.06	-13	-51.06	-65.08	-69.46	2.2	7.6	V	Pass
5127	-58.34	-13	-45.34	-66.31	-65.12	3.12	9.9	V	Pass
6843	-37.61	-13	-24.61	-53.15	-45.50	2.98	10.87	V	Pass
8556	-43.93	-13	-30.93	-58.06	-53.42	2.97	12.46	V	Pass
10266	-50.86	-13	-37.86	-63.51	-60.02	3.46	12.62	V	Pass
11976	-41.63	-13	-28.63	-59.31	-49.73	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3450	-61.02	-13	-48.02	-63.25	-66.42	2.2	7.60	H	Pass
5178	-39.75	-13	-26.75	-55.54	-46.53	3.12	9.90	H	Pass
6903	-33.32	-13	-20.32	-49.58	-41.21	2.98	10.87	H	Pass
8631	-39.72	-13	-26.72	-56.05	-49.21	2.97	12.46	H	Pass
10347	-48.92	-13	-35.92	-63.76	-58.08	3.46	12.62	H	Pass
12078	-48.31	-13	-35.31	-63.79	-56.41	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3450	-63.60	-13	-50.60	-64.62	-69.00	2.2	7.6	V	Pass
5178	-55.80	-13	-42.80	-63.77	-62.58	3.12	9.9	V	Pass
6903	-39.86	-13	-26.86	-54.7	-47.75	2.98	10.87	V	Pass
8631	-50.43	-13	-37.43	-61.58	-59.92	2.97	12.46	V	Pass
10356	-49.79	-13	-36.79	-62.44	-58.95	3.46	12.62	V	Pass
12081	-34.45	-13	-21.45	-54.77	-42.55	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20325	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3480	-62.24	-13	-49.24	-64.47	-67.64	2.2	7.60	H	Pass
5223	-39.92	-13	-26.92	-55.68	-46.70	3.12	9.90	H	Pass
6963	-29.70	-13	-16.70	-46.38	-37.59	2.98	10.87	H	Pass
8706	-31.48	-13	-18.48	-49.73	-40.97	2.97	12.46	H	Pass
10446	-48.68	-13	-35.68	-63.52	-57.84	3.46	12.62	H	Pass
12186	-46.80	-13	-33.80	-62.28	-54.90	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20325	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3480	-64.47	-13	-51.47	-65.49	-69.87	2.2	7.6	V	Pass
5223	-56.87	-13	-43.87	-64.84	-63.65	3.12	9.9	V	Pass
6963	-36.06	-13	-23.06	-51.86	-43.95	2.98	10.87	V	Pass
8706	-39.41	-13	-26.41	-55.04	-48.90	2.97	12.46	V	Pass
10446	-46.37	-13	-33.37	-59.87	-55.53	3.46	12.62	V	Pass
12186	-33.72	-13	-20.72	-54.25	-41.82	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20050	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-60.38	-13	-47.38	-62.61	-65.78	2.2	7.60	H	Pass
5133	-41.33	-13	-28.33	-56.90	-48.11	3.12	9.90	H	Pass
6843	-32.90	-13	-19.90	-49.25	-40.79	2.98	10.87	H	Pass
8556	-33.56	-13	-20.56	-51.35	-43.05	2.97	12.46	H	Pass
10266	-47.73	-13	-34.73	-62.57	-56.89	3.46	12.62	H	Pass
11970	-50.44	-13	-37.44	-65.92	-58.54	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20050	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3423	-63.69	-13	-50.69	-64.71	-69.09	2.2	7.6	V	Pass
5130	-58.66	-13	-45.66	-66.63	-65.44	3.12	9.9	V	Pass
6843	-38.28	-13	-25.28	-53.6	-46.17	2.98	10.87	V	Pass
8556	-42.50	-13	-29.50	-57.04	-51.99	2.97	12.46	V	Pass
10266	-48.80	-13	-35.80	-61.45	-57.96	3.46	12.62	V	Pass
11979	-40.13	-13	-27.13	-58.82	-48.23	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3447	-60.23	-13	-47.23	-62.46	-65.63	2.2	7.60	H	Pass
5172	-40.95	-13	-27.95	-56.66	-47.73	3.12	9.90	H	Pass
6894	-37.21	-13	-24.21	-52.87	-45.10	2.98	10.87	H	Pass
8619	-38.59	-13	-25.59	-55.08	-48.08	2.97	12.46	H	Pass
10338	-49.19	-13	-36.19	-64.03	-58.35	3.46	12.62	H	Pass
12063	-50.14	-13	-37.14	-65.62	-58.24	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20175	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3447	-63.52	-13	-50.52	-64.54	-68.92	2.2	7.6	V	Pass
5172	-47.79	-13	-34.79	-59.45	-54.57	3.12	9.9	V	Pass
6894	-38.82	-13	-25.82	-53.9	-46.71	2.98	10.87	V	Pass
8619	-47.29	-13	-34.29	-59.64	-56.78	2.97	12.46	V	Pass
10335	-53.08	-13	-40.08	-65.73	-62.24	3.46	12.62	V	Pass
12063	-35.38	-13	-22.38	-55.52	-43.48	4.5	12.6	V	Pass

Band :	LTE Band 4 for CH20300	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3471	-62.64	-13	-49.64	-64.87	-68.04	2.2	7.60	H	Pass
5208	-37.39	-13	-24.39	-53.74	-44.17	3.12	9.90	H	Pass
6945	-31.09	-13	-18.09	-47.62	-38.98	2.98	10.87	H	Pass
8682	-33.36	-13	-20.36	-51.15	-42.85	2.97	12.46	H	Pass
10416	-46.09	-13	-33.09	-60.93	-55.25	3.46	12.62	H	Pass
12153	-45.11	-13	-32.11	-61.32	-53.21	4.5	12.60	H	Pass

Band :	LTE Band 4 for CH20300	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3471	-64.46	-13	-51.46	-65.48	-69.86	2.2	7.6	V	Pass
5208	-56.47	-13	-43.47	-64.44	-63.25	3.12	9.9	V	Pass
6945	-36.60	-13	-23.60	-52.34	-44.49	2.98	10.87	V	Pass
8682	-43.50	-13	-30.50	-57.73	-52.99	2.97	12.46	V	Pass
10416	-49.10	-13	-36.10	-61.75	-58.26	3.46	12.62	V	Pass
12153	-31.08	-13	-18.08	-52.22	-39.18	4.5	12.6	V	Pass

Band :	LTE Band 7 for CH20775	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-61.44	-25	-36.44	-63.08	-66.84	2.2	7.60	H	Pass
7502	-30.30	-25	-5.30	-48.30	-37.08	3.12	9.90	H	Pass
10000	-50.10	-25	-25.10	-64.94	-57.99	2.98	10.87	H	Pass
12498	-44.12	-25	-19.12	-65.44	-53.61	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH20775	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-57.82	-25	-32.82	-64.37	-63.22	2.2	7.6	V	Pass
7502	-35.30	-25	-10.30	-53.47	-42.08	3.12	9.9	V	Pass
10000	-52.25	-25	-27.25	-64.9	-60.14	2.98	10.87	V	Pass
12498	-44.30	-25	-19.30	-62.67	-53.79	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5066	-60.00	-25	-35.00	-62.08	-65.40	2.2	7.60	H	Pass
7601	-30.84	-25	-5.84	-48.78	-37.62	3.12	9.90	H	Pass
10128	-51.98	-25	-26.98	-66.82	-59.87	2.98	10.87	H	Pass
12660	-43.88	-25	-18.88	-65.20	-53.37	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5066	-55.91	-25	-30.91	-62.52	-61.31	2.2	7.6	V	Pass
7601	-38.05	-25	-13.05	-55.62	-44.83	3.12	9.9	V	Pass
10128	-53.18	-25	-28.18	-65.83	-61.07	2.98	10.87	V	Pass
12660	-47.02	-25	-22.02	-65.39	-56.51	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH21425	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5129	-50.92	-25	-25.92	-57.76	-56.32	2.2	7.60	H	Pass
7697	-35.31	-25	-10.31	-52.66	-42.09	3.12	9.90	H	Pass
10260	-50.70	-25	-25.70	-65.54	-58.59	2.98	10.87	H	Pass
12828	-43.89	-25	-18.89	-65.21	-53.38	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH21425	Temperature :	22~23°C
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5129	-55.25	-25	-30.25	-62.28	-60.65	2.2	7.6	V	Pass
7697	-37.06	-25	-12.06	-54.53	-43.84	3.12	9.9	V	Pass
10260	-52.81	-25	-27.81	-65.46	-60.70	2.98	10.87	V	Pass
12828	-47.78	-25	-22.78	-66.15	-57.27	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH20800	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-63.34	-25	-38.34	-64.98	-68.74	2.2	7.60	H	Pass
7502	-30.06	-25	-5.06	-48.09	-36.84	3.12	9.90	H	Pass
10004	-44.74	-25	-19.74	-60.35	-52.63	2.98	10.87	H	Pass
12498	-41.55	-25	-16.55	-62.87	-51.04	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH20800	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-57.85	-25	-32.85	-64.4	-63.25	2.2	7.6	V	Pass
7502	-33.77	-25	-8.77	-52.35	-40.55	3.12	9.9	V	Pass
10000	-53.27	-25	-28.27	-65.92	-61.16	2.98	10.87	V	Pass
12498	-43.58	-25	-18.58	-61.95	-53.07	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5060	-60.95	-25	-35.95	-62.61	-66.35	2.2	7.60	H	Pass
7592	-30.07	-25	-5.07	-48.10	-36.85	3.12	9.90	H	Pass
10120	-51.13	-25	-26.13	-65.97	-59.02	2.98	10.87	H	Pass
12648	-43.59	-25	-18.59	-64.91	-53.08	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5060	-56.06	-25	-31.06	-62.61	-61.46	2.2	7.6	V	Pass
7592	-35.28	-25	-10.28	-53.45	-42.06	3.12	9.9	V	Pass
10120	-54.04	-25	-29.04	-66.69	-61.93	2.98	10.87	V	Pass
12648	-47.43	-25	-22.43	-65.8	-56.92	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH21400	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5120	-52.59	-25	-27.59	-58.99	-57.99	2.2	7.60	H	Pass
7685	-33.23	-25	-8.23	-50.88	-40.01	3.12	9.90	H	Pass
10240	-51.19	-25	-26.19	-66.03	-59.08	2.98	10.87	H	Pass
12798	-44.61	-25	-19.61	-65.93	-54.10	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH21400	Temperature :	22~23°C
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5120	-54.61	-25	-29.61	-61.57	-60.01	2.2	7.6	V	Pass
7682	-41.09	-25	-16.09	-57.41	-47.87	3.12	9.9	V	Pass
10240	-52.74	-25	-27.74	-65.39	-60.63	2.98	10.87	V	Pass
12798	-47.29	-25	-22.29	-65.66	-56.78	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH20825	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-61.58	-25	-36.58	-63.22	-66.98	2.2	7.60	H	Pass
7505	-31.35	-25	-6.35	-49.24	-38.13	3.12	9.90	H	Pass
10004	-45.97	-25	-20.97	-60.83	-53.86	2.98	10.87	H	Pass
12498	-43.45	-25	-18.45	-64.77	-52.94	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH20825	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-57.13	-25	-32.13	-63.68	-62.53	2.2	7.6	V	Pass
7505	-35.56	-25	-10.56	-53.68	-42.34	3.12	9.9	V	Pass
10000	-52.58	-25	-27.58	-65.23	-60.47	2.98	10.87	V	Pass
12498	-46.77	-25	-21.77	-65.14	-56.26	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5057	-58.95	-25	-33.95	-61.21	-64.35	2.2	7.60	H	Pass
7586	-29.65	-25	-4.65	-47.74	-36.43	3.12	9.90	H	Pass
10112	-50.53	-25	-25.53	-65.37	-58.42	2.98	10.87	H	Pass
12636	-43.47	-25	-18.47	-64.79	-52.96	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5054	-53.84	-25	-28.84	-61.61	-59.24	2.2	7.6	V	Pass
7586	-37.70	-25	-12.70	-55.25	-44.48	3.12	9.9	V	Pass
10112	-53.66	-25	-28.66	-66.31	-61.55	2.98	10.87	V	Pass
12636	-46.58	-25	-21.58	-64.95	-56.07	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH21375	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5111	-52.43	-25	-27.43	-58.92	-57.83	2.2	7.60	H	Pass
7670	-33.66	-25	-8.66	-51.28	-40.44	3.12	9.90	H	Pass
10220	-51.00	-25	-26.00	-65.84	-58.89	2.98	10.87	H	Pass
12774	-43.86	-25	-18.86	-65.18	-53.35	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH21375	Temperature :	22~23°C
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5111	-51.71	-25	-26.71	-60.41	-57.11	2.2	7.6	V	Pass
7670	-37.53	-25	-12.53	-55.06	-44.31	3.12	9.9	V	Pass
10220	-53.21	-25	-28.21	-65.86	-61.10	2.98	10.87	V	Pass
12774	-47.00	-25	-22.00	-65.37	-56.49	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH20850	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-61.13	-25	-36.13	-62.77	-66.53	2.2	7.60	H	Pass
7505	-31.50	-25	-6.50	-49.38	-38.28	3.12	9.90	H	Pass
10000	-50.60	-25	-25.60	-65.44	-58.49	2.98	10.87	H	Pass
12498	-42.66	-25	-17.66	-63.98	-52.15	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH20850	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-56.15	-25	-31.15	-62.7	-61.55	2.2	7.6	V	Pass
7505	-37.60	-25	-12.60	-55.14	-44.38	3.12	9.9	V	Pass
10000	-53.08	-25	-28.08	-65.73	-60.97	2.98	10.87	V	Pass
12504	-43.97	-25	-18.97	-62.34	-53.46	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5051	-56.24	-25	-31.24	-60.52	-61.64	2.2	7.60	H	Pass
7580	-31.89	-25	-6.89	-49.73	-38.67	3.12	9.90	H	Pass
10100	-51.00	-25	-26.00	-65.84	-58.89	2.98	10.87	H	Pass
12624	-44.61	-25	-19.61	-65.93	-54.10	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH21100	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5051	-54.65	-25	-29.65	-62.05	-60.05	2.2	7.6	V	Pass
7580	-32.82	-25	-7.82	-51.32	-39.60	3.12	9.9	V	Pass
10100	-52.49	-25	-27.49	-65.14	-60.38	2.98	10.87	V	Pass
12630	-45.50	-25	-20.50	-63.87	-54.99	2.97	12.46	V	Pass

Band :	LTE Band 7 for CH21350	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Horizontal
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5105	-53.04	-25	-28.04	-59.19	-58.44	2.2	7.60	H	Pass
7661	-36.07	-25	-11.07	-53.27	-42.85	3.12	9.90	H	Pass
10200	-50.48	-25	-25.48	-65.32	-58.37	2.98	10.87	H	Pass
12750	-44.53	-25	-19.53	-65.85	-54.02	2.97	12.46	H	Pass

Band :	LTE Band 7 for CH21350	Temperature :	22~23°C
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	42~43%
Test Engineer :	Star Wei	Polarization :	Vertical
Remark :	Spurious emissions within 30-10th harmonic were found more than 20dB below limit line.		

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5105	-54.50	-25	-29.50	-61.99	-59.90	2.2	7.6	V	Pass
7661	-41.74	-25	-16.74	-58.15	-48.52	3.12	9.9	V	Pass
10200	-53.22	-25	-28.22	-65.87	-61.11	2.98	10.87	V	Pass
12750	-47.03	-25	-22.03	-65.4	-56.52	2.97	12.46	V	Pass

3.8 Frequency Stability Measurement

3.8.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

3.8.2 Measuring Instruments

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

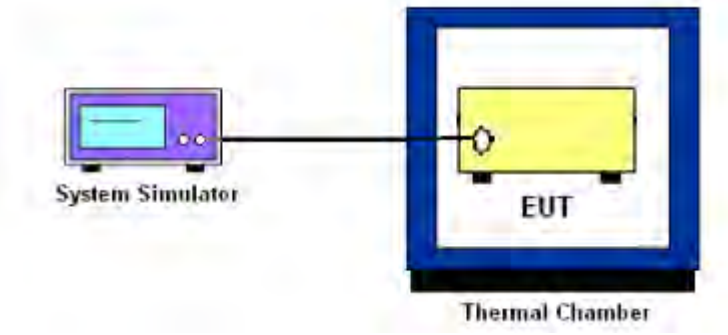
3.8.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.8.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

3.8.5 Test Setup



3.8.6 Test Result of Temperature Variation (FCC)

Band :	LTE Band 2 (QPSK)	Limit (ppm) :	2.5

Temperature (°C)	BW 10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	
50	8.9	+0.0018	PASS
40	16	+0.0055	
30	3	+0.0014	
20(Ref.)	5.6	+0.0000	
10	-9.1	+0.0078	
0	-8	+0.0072	
-10	3.5	+0.0011	
-20	4.4	+0.0006	
-30	-7.6	+0.0070	

Band :	LTE Band 4 (QPSK)	Limit (ppm) :	2.5

Temperature (°C)	BW 10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	
50	12.5	+0.0036	PASS
40	6.8	+0.0003	
30	-9.5	+0.0091	
20(Ref.)	6.3	+0.0000	
10	8	+0.0010	
0	7.1	+0.0005	
-10	3.3	+0.0017	
-20	2.1	+0.0024	
-30	-10.2	+0.0095	

Band :	LTE Band 7 (QPSK)	Limit (ppm) :	2.5

Temperature (°C)	BW 10MHz		Result
	Freq. Dev. (Hz)	Deviation (ppm)	
50	-8.2	+0.0012	PASS
40	9.4	+0.0058	
30	6.7	+0.0047	
20(Ref.)	-5.2	+0.0000	
10	6.1	+0.0045	
0	7.2	+0.0049	
-10	-5.6	+0.0002	
-20	4.8	+0.0039	
-30	3.2	+0.0033	

3.8.7 Test Result of Voltage Variation (FCC)

Band	Bandwidth	Voltage (Volt)	Freq. Dev. (Hz)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 2	10M	4.1	3.8	+0.0010	2.5	PASS
		Normal	11.2	+0.0030		
		3.5	10.5	+0.0026		
LTE Band 4	10M	4.1	-9	+0.0088	2.5	PASS
		Normal	7.5	+0.0007		
		3.5	6.9	+0.0003		
LTE Band 7	10M	4.1	-9.7	+0.0018	2.5	PASS
		Normal	8.2	+0.0053		
		3.5	7.5	+0.0050		

Remark:

1. Normal Voltage = 3.8V.
2. The manufacturer declared that the EUT could work properly between voltage 3.5V ~ 4.1V.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100319	9kHz~40GHz	Dec. 28, 2013	Aug. 23, 2014~ Aug. 28, 2014	Dec. 27, 2014	Conducted (TH01-KS)
Spectrum Analyzer	R&S	FSV30	101338	9kHz~30GHz	May 04, 2014	Aug. 23, 2014~ Aug. 28, 2014	May 03, 2015	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	-40~+150°C	Dec. 10, 2013	Aug. 23, 2014~ Aug. 28, 2014	Dec. 09, 2014	Conducted (TH01-KS)
EMI Test Receiver	R&S	ESCI	100534	9kHz~3GHz	Nov. 05, 2013	Aug. 18, 2014~ Aug. 19, 2014	Nov. 04, 2014	Radiation (03CH01-KS)
Spectrum Analyzer	R&S	FSP30	101399	9kHz~30GHz	May 04, 2014	Aug. 18, 2014~ Aug. 19, 2014	May 03, 2015	Radiation (03CH01-KS)
Bilog Antenna	SCHAFFNER	CBL6112D	23182	25MHz~2GHz	Jan. 08, 2014	Aug. 18, 2014~ Aug. 19, 2014	Jan. 07, 2015	Radiation (03CH01-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75959	1GHz~18GHz	Jan. 08, 2014	Aug. 18, 2014~ Aug. 19, 2014	Jan. 07, 2015	Radiation (03CH01-KS)
Active Horn Antenna	com-power	AHA-118	701030	1GHz~18GHz	Nov. 18, 2013	Aug. 18, 2014~ Aug. 19, 2014	Nov. 17, 2014	Radiation (03CH01-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Mar. 10, 2014	Aug. 18, 2014~ Aug. 19, 2014	Mar. 09, 2015	Radiation (03CH01-KS)
Amplifier	com-power	PA-103A	161073	1MHz~1GHz	May 04, 2014	Aug. 18, 2014~ Aug. 19, 2014	May 03, 2015	Radiation (03CH01-KS)
Amplifier	Agilent	8449B	3008A02371	1GHz~26.5GHz	Dec. 10, 2013	Aug. 18, 2014~ Aug. 19, 2014	Dec. 09, 2014	Radiation (03CH01-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Aug. 18, 2014~ Aug. 19, 2014	NCR	Radiation (03CH01-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Aug. 18, 2014~ Aug. 19, 2014	NCR	Radiation (03CH01-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Aug. 18, 2014~ Aug. 19, 2014	NCR	Radiation (03CH01-KS)

5 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.5**