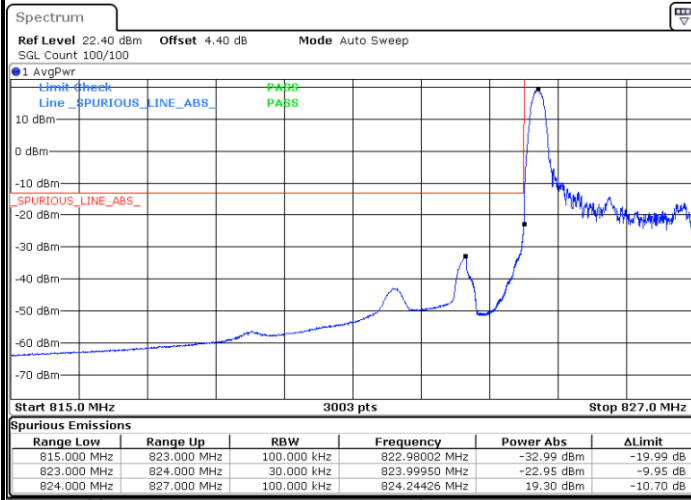


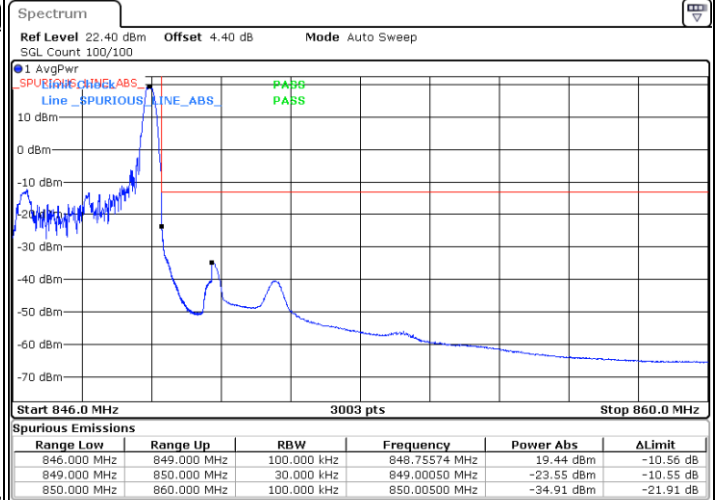


LTE Band 5 / 3MHz / 16QAM

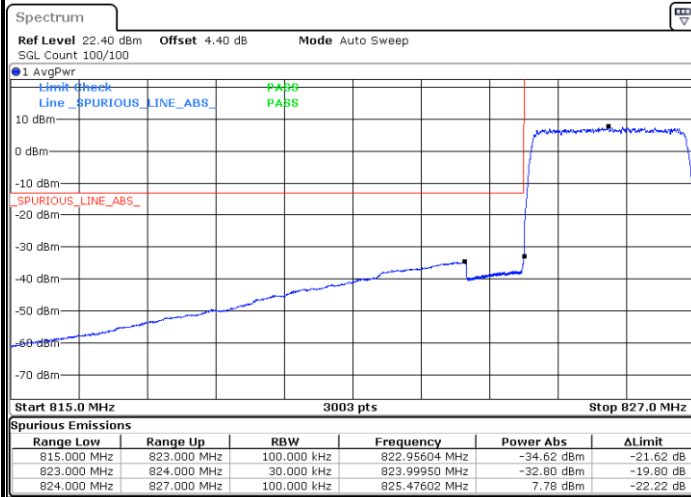
Lowest Band Edge / 1 RB



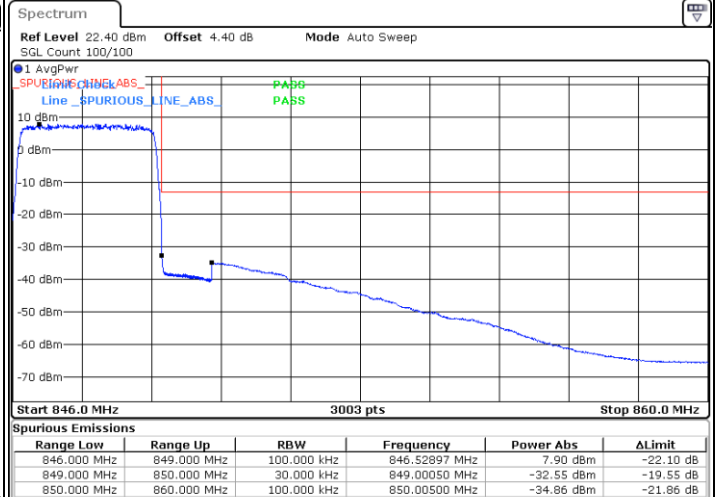
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



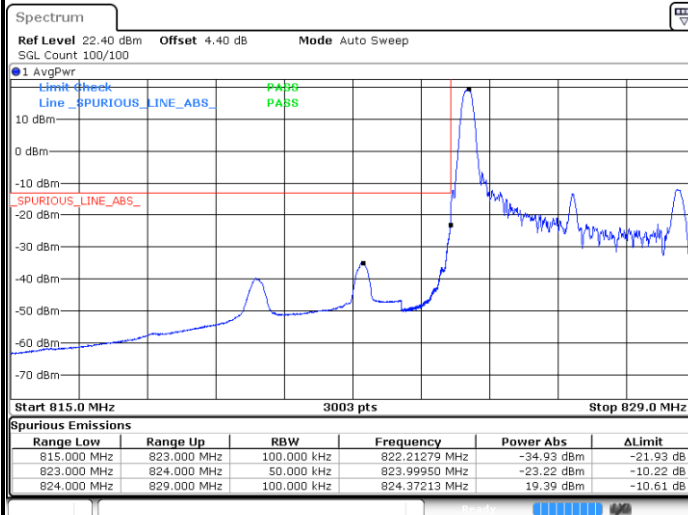
Highest Band Edge / Full RB



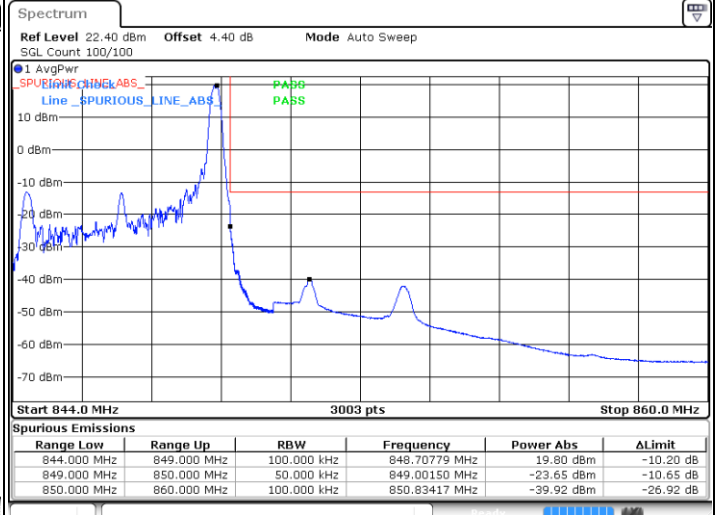


LTE Band 5 / 5MHz / QPSK

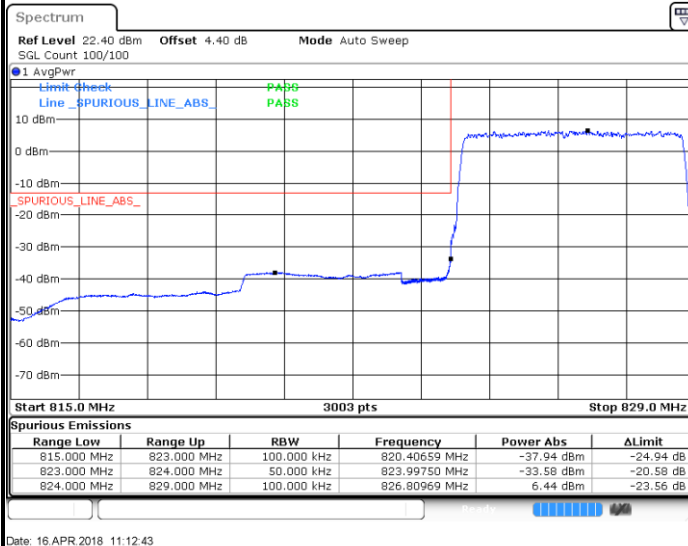
Lowest Band Edge / 1 RB



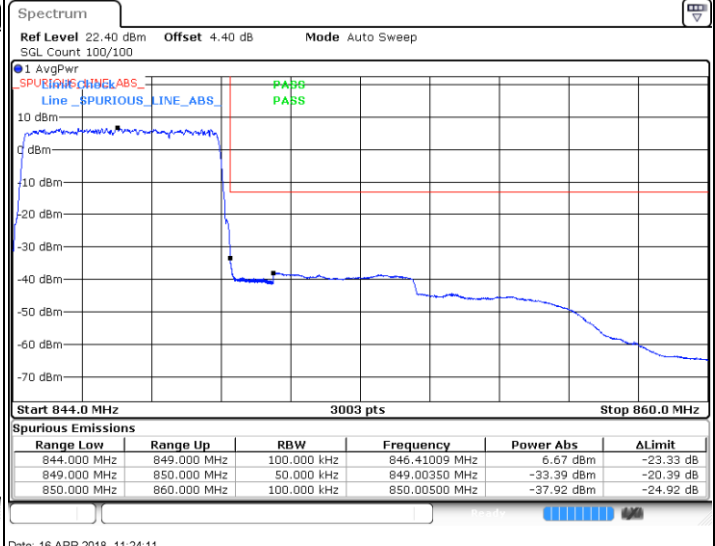
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



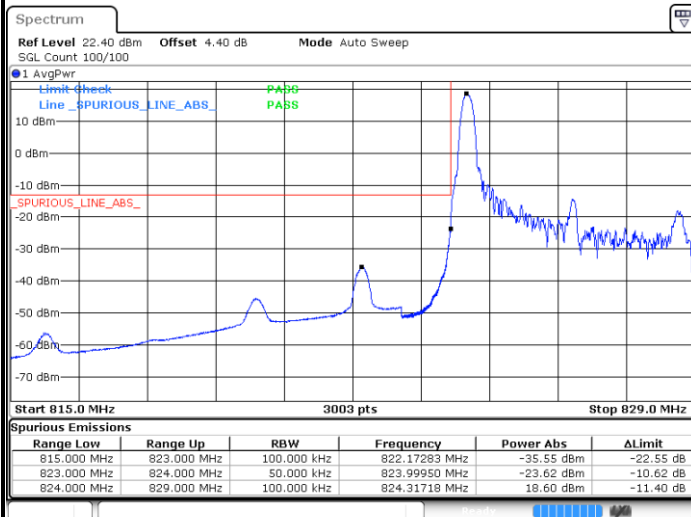
Highest Band Edge / Full RB



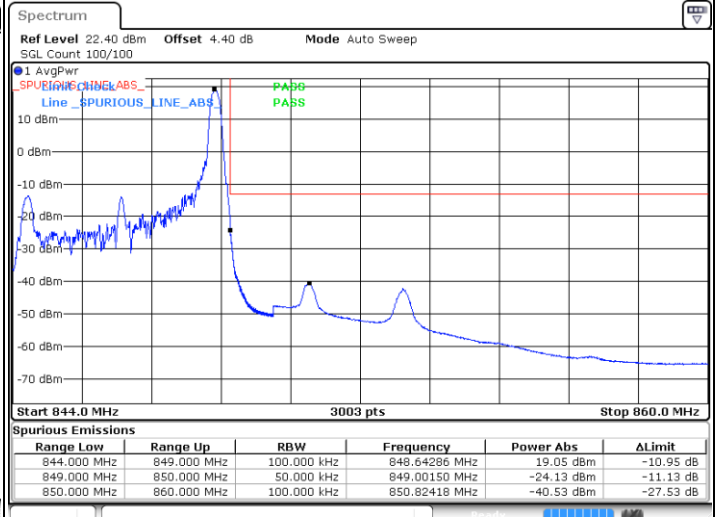


LTE Band 5 / 5MHz / 16QAM

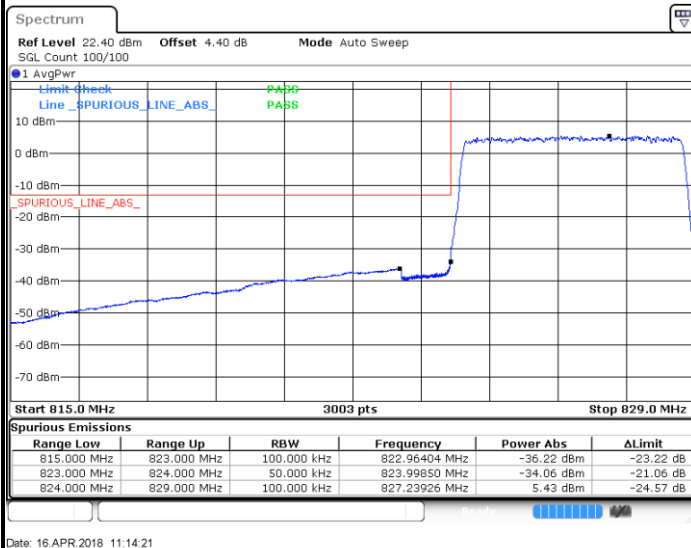
Lowest Band Edge / 1RB



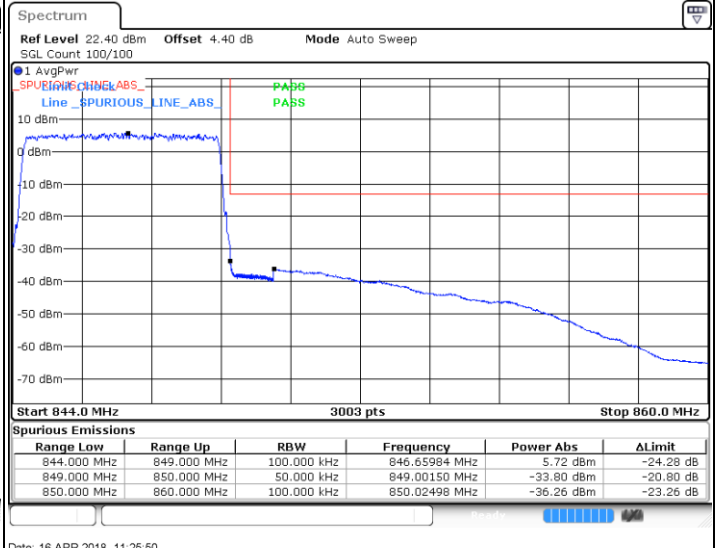
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



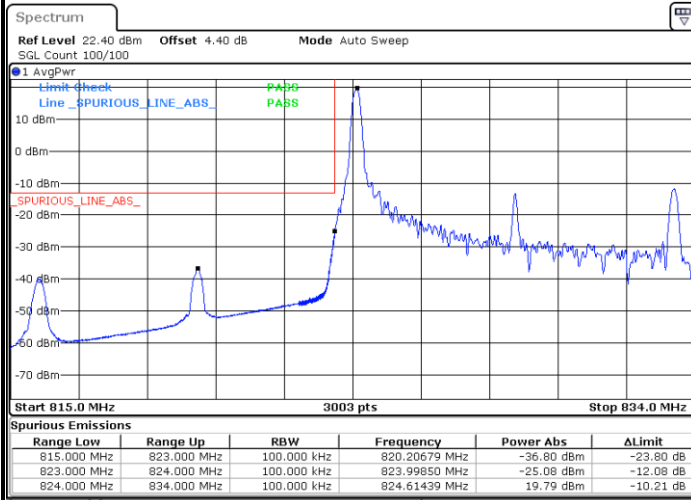
Highest Band Edge / Full RB



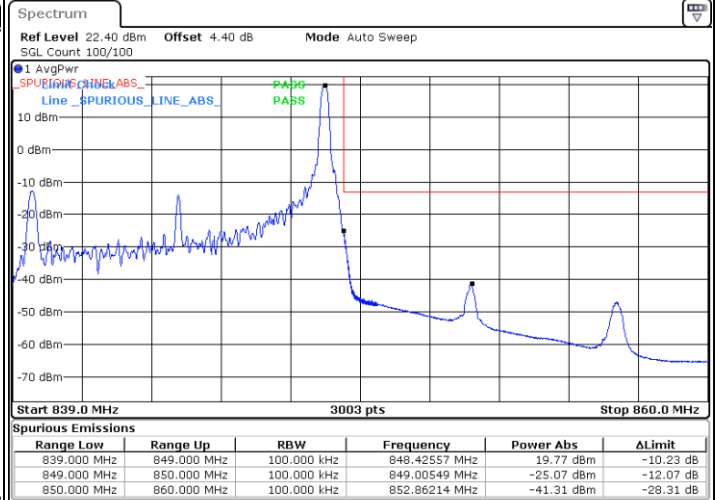


LTE Band 5 / 10MHz / QPSK

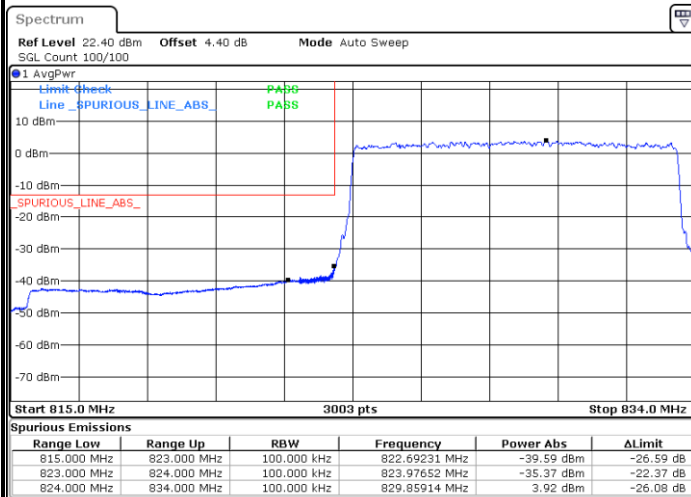
Lowest Band Edge / 1 RB



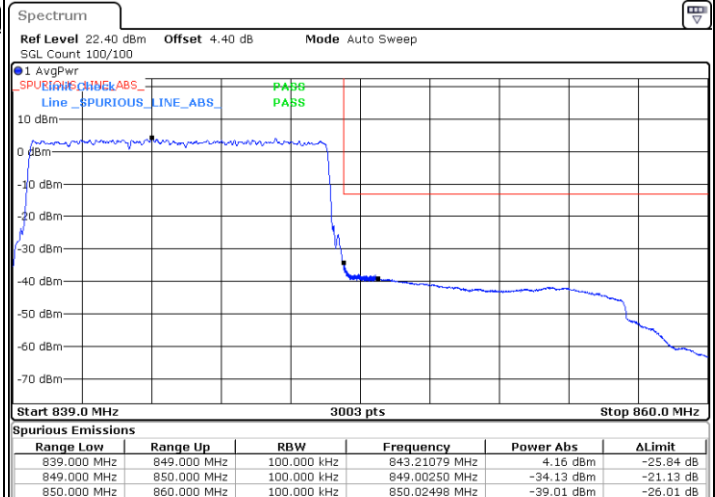
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



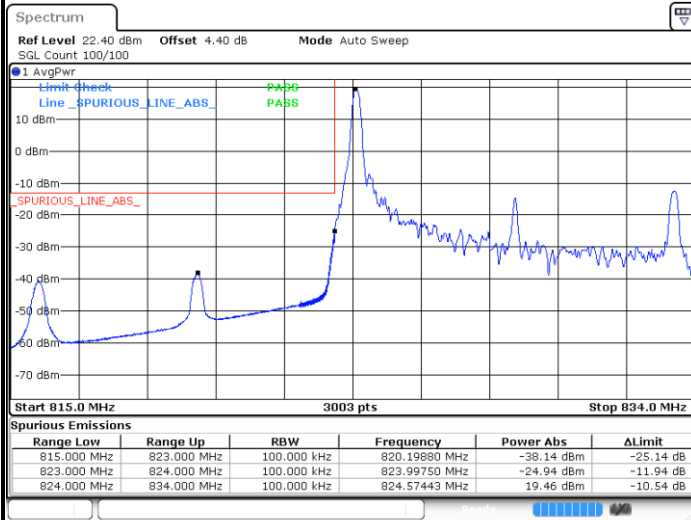
Highest Band Edge / Full RB



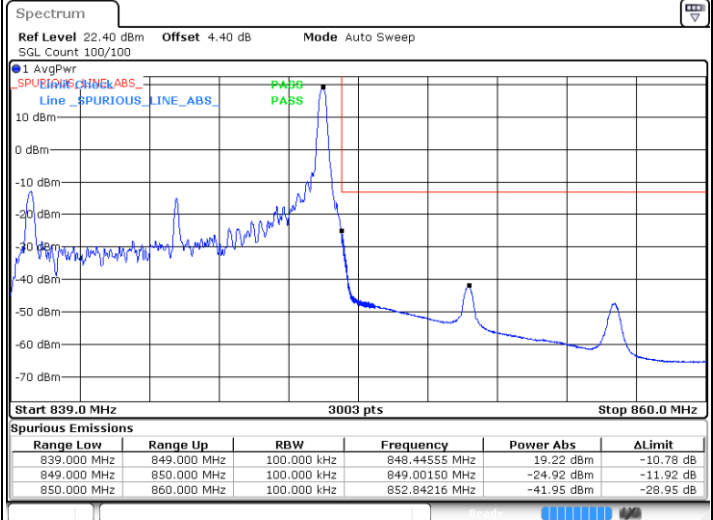


LTE Band 5 / 10MHz / 16QAM

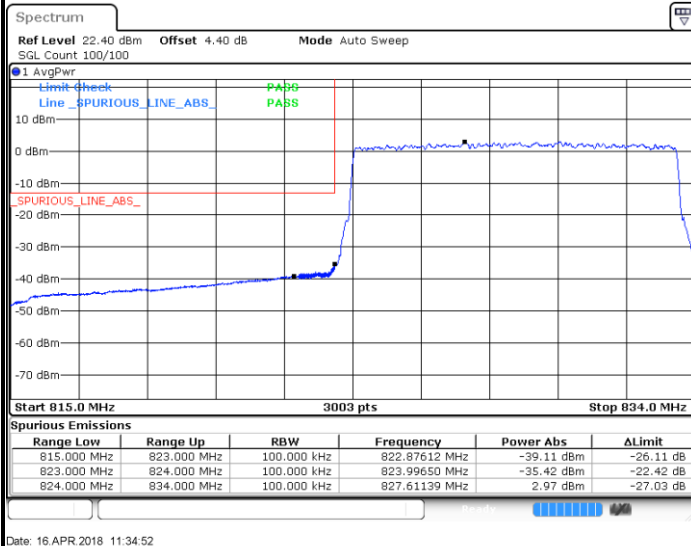
Lowest Band Edge / 1 RB



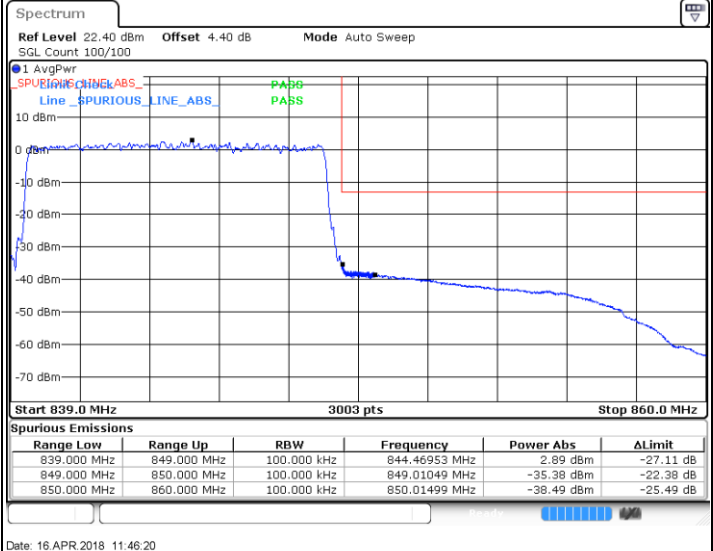
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

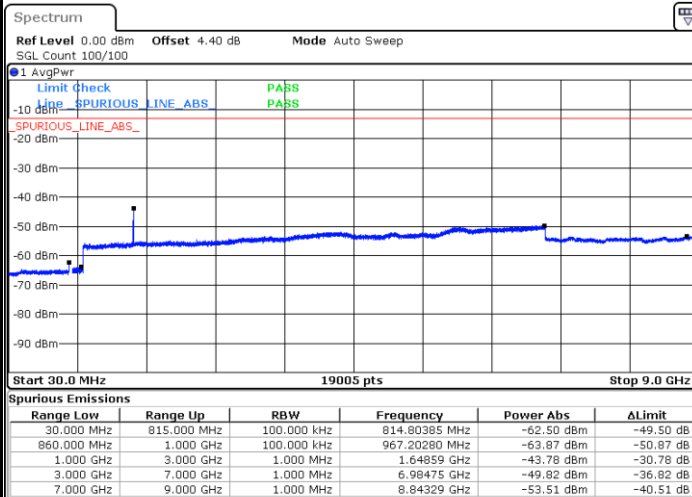




Conducted Spurious Emission

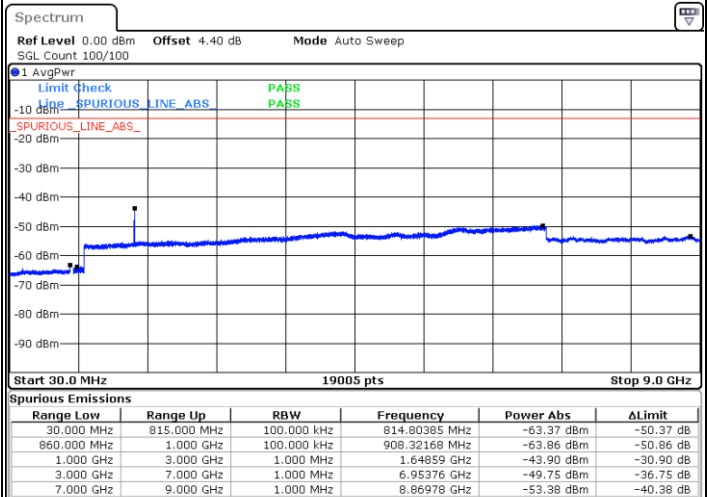
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



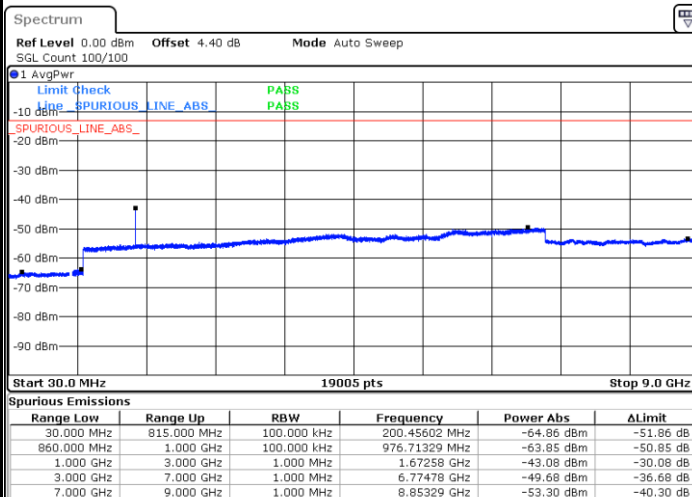
Date: 16 APR 2018 10:34:16

Lowest Channel / 16QAM



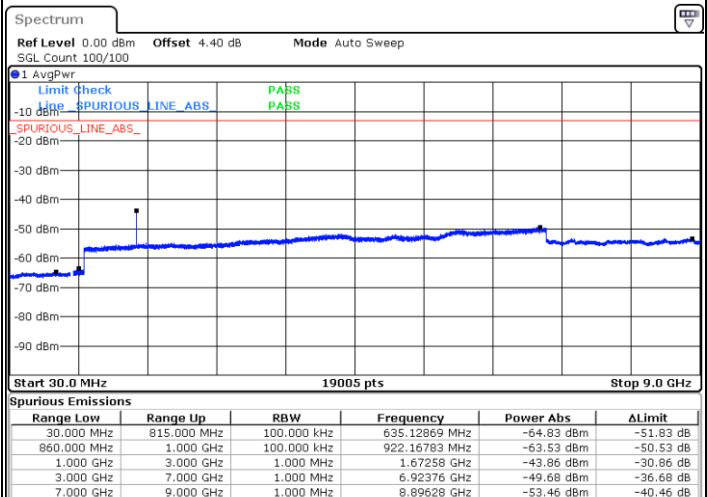
Date: 16 APR 2018 10:35:10

Middle Channel / QPSK



Date: 16 APR 2018 10:36:43

Middle Channel / 16QAM

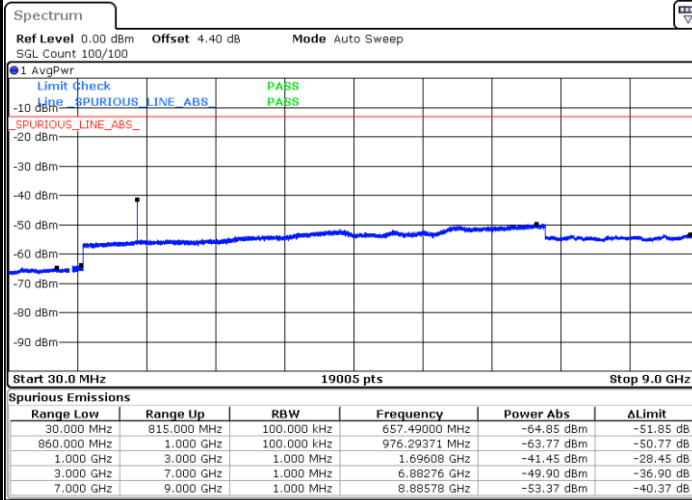


Date: 16 APR 2018 10:37:37



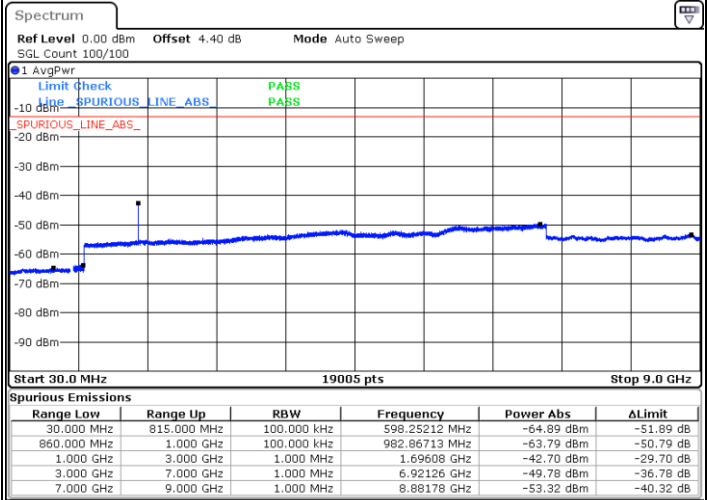
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 16 APR 2018 10:45:44

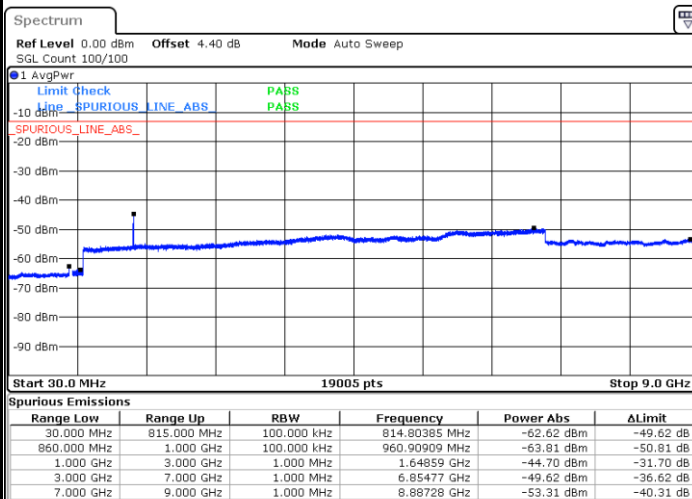
Highest Channel / 16QAM



Date: 16 APR 2018 10:46:38

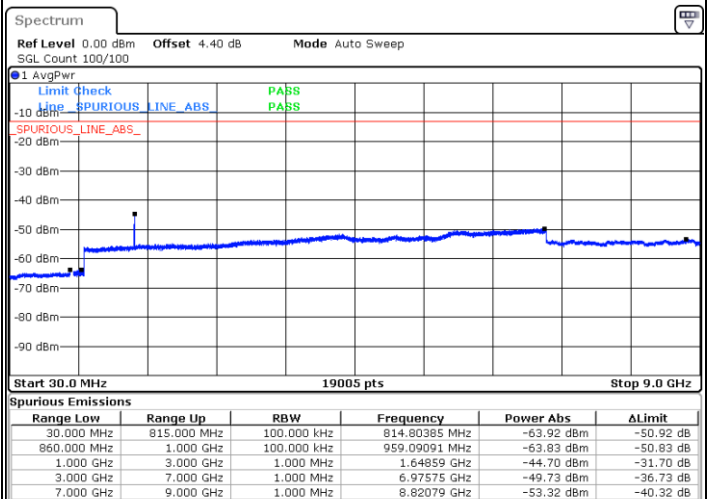
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 16 APR 2018 10:54:46

Lowest Channel / 16QAM

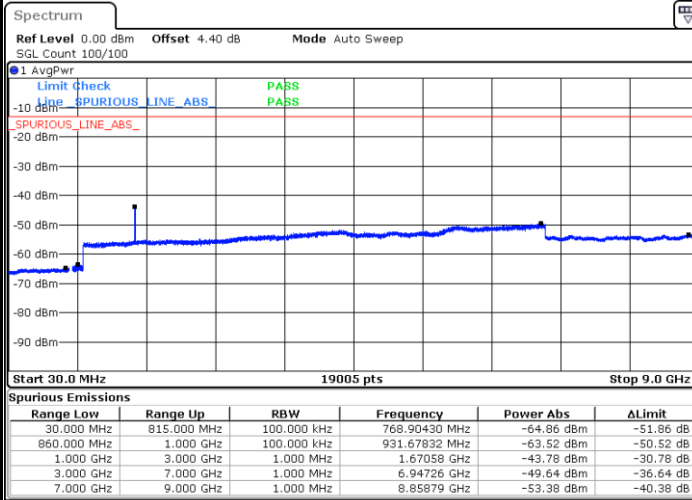


Date: 16 APR 2018 10:55:39



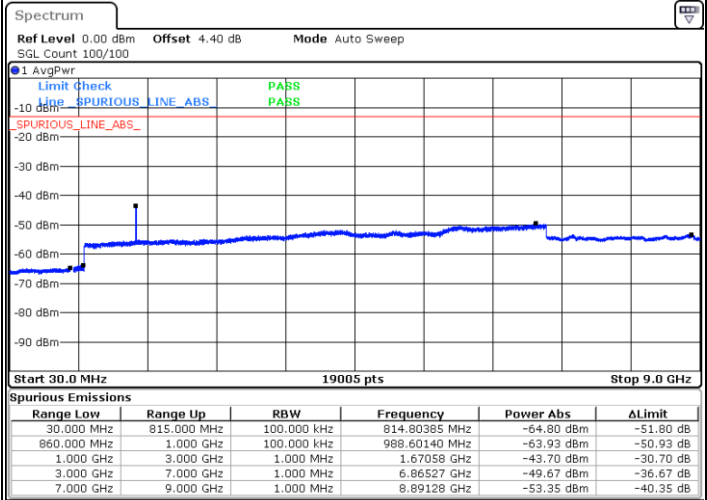
LTE Band 5 / 3MHz

Middle Channel / QPSK



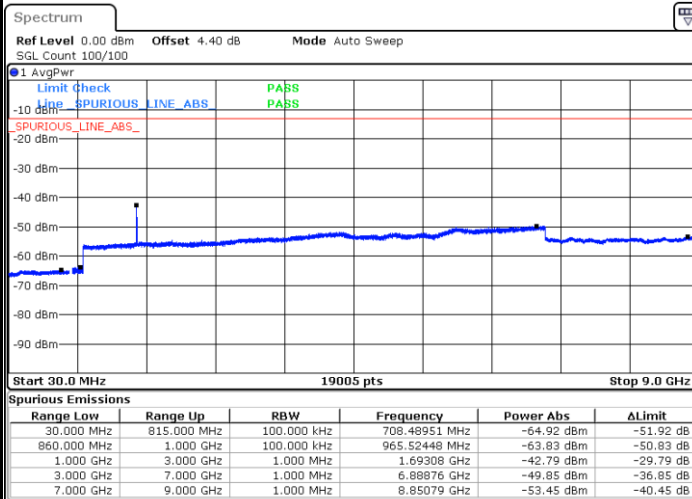
Date: 16 APR 2018 10:57:13

Middle Channel / 16QAM



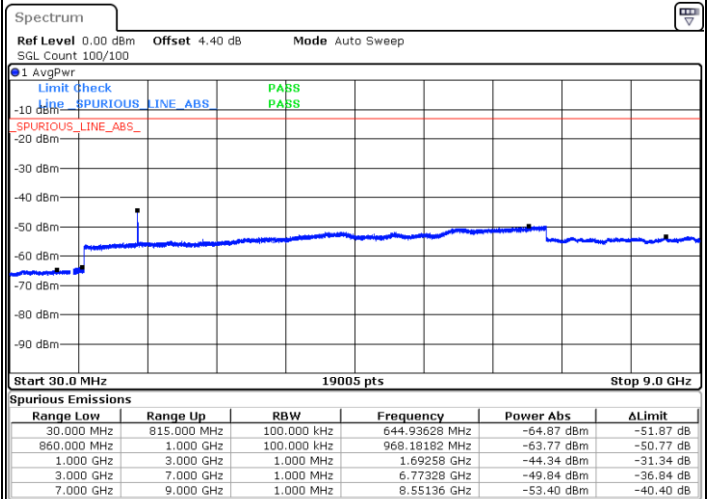
Date: 16 APR 2018 10:58:06

Highest Channel / QPSK



Date: 16 APR 2018 11:06:14

Highest Channel / 16QAM

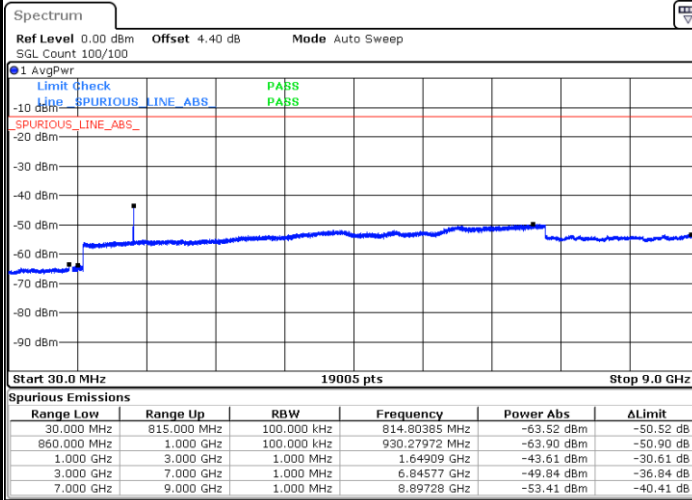


Date: 16 APR 2018 11:07:08



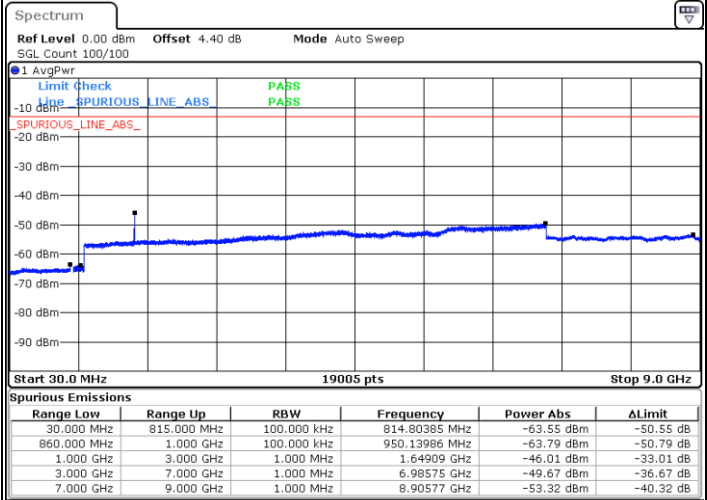
LTE Band 5 / 5MHz

Lowest Channel / QPSK



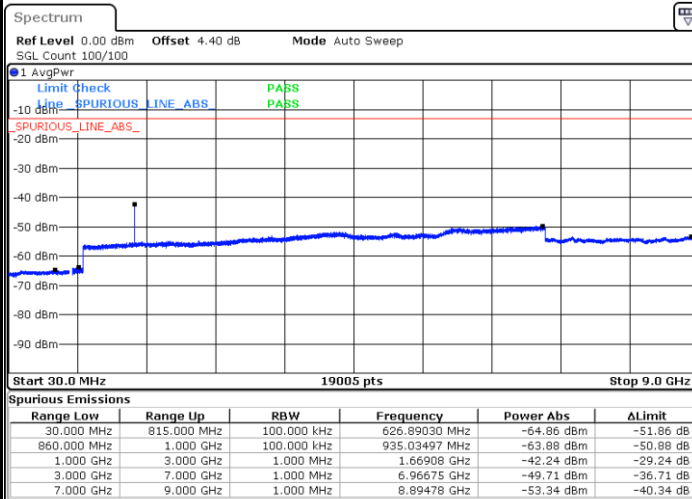
Date: 16 APR 2018 11:15:16

Lowest Channel / 16QAM



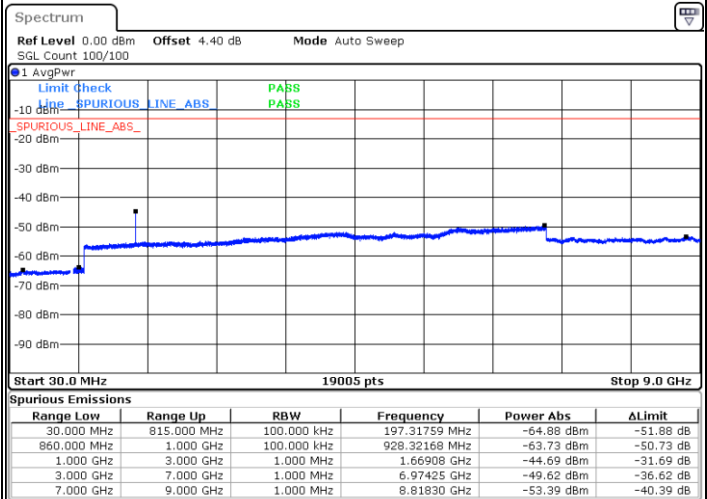
Date: 16 APR 2018 11:16:09

Middle Channel / QPSK



Date: 16 APR 2018 11:17:43

Middle Channel / 16QAM

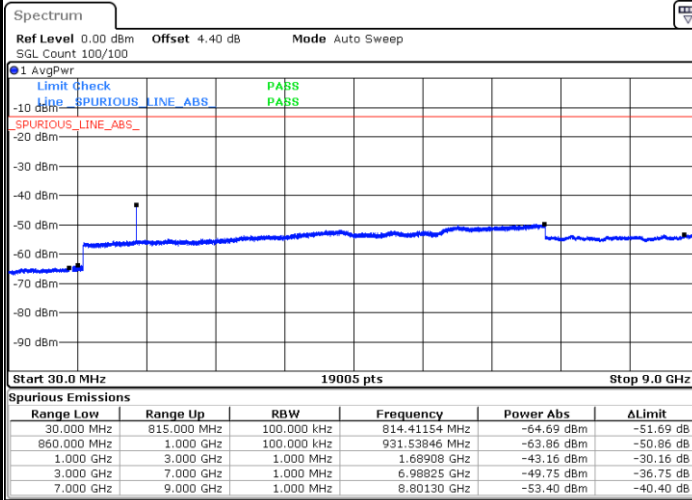


Date: 16 APR 2018 11:18:36



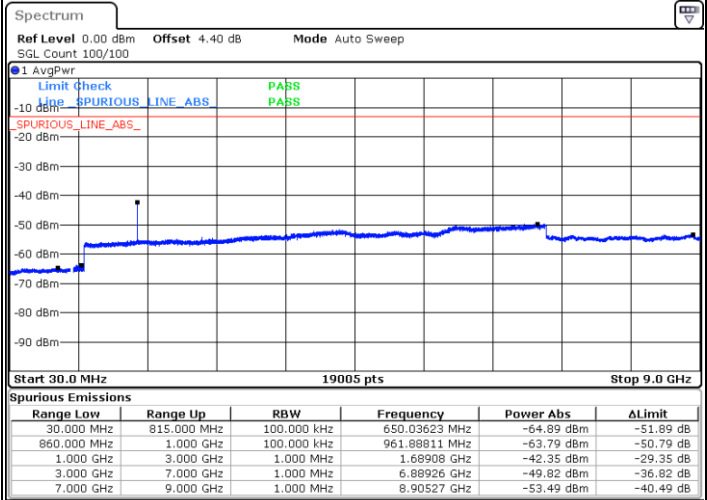
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 16 APR 2018 11:26:44

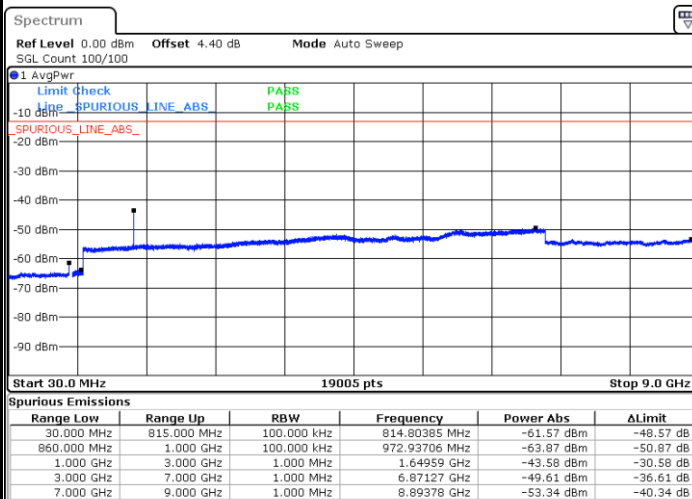
Highest Channel / 16QAM



Date: 16 APR 2018 11:27:38

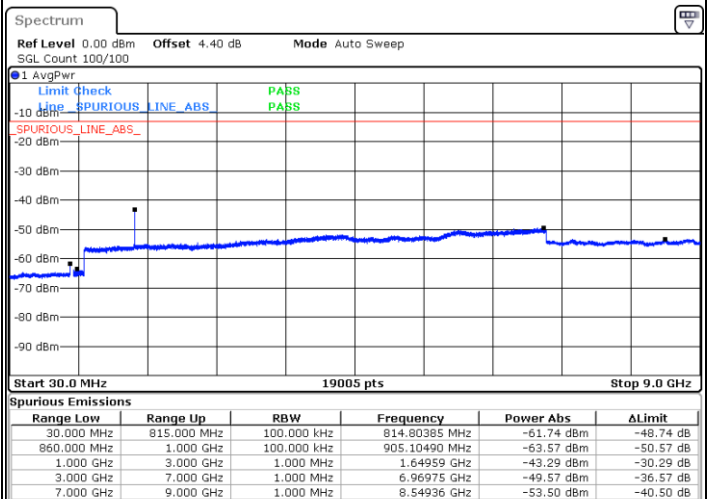
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 16 APR 2018 11:35:46

Lowest Channel / 16QAM

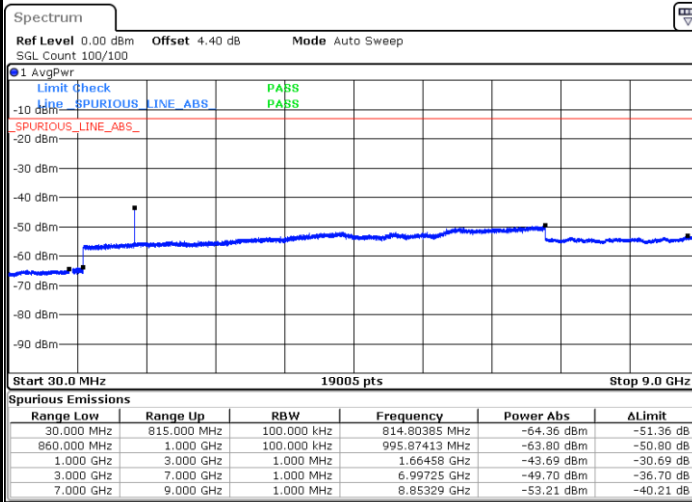


Date: 16 APR 2018 11:36:40



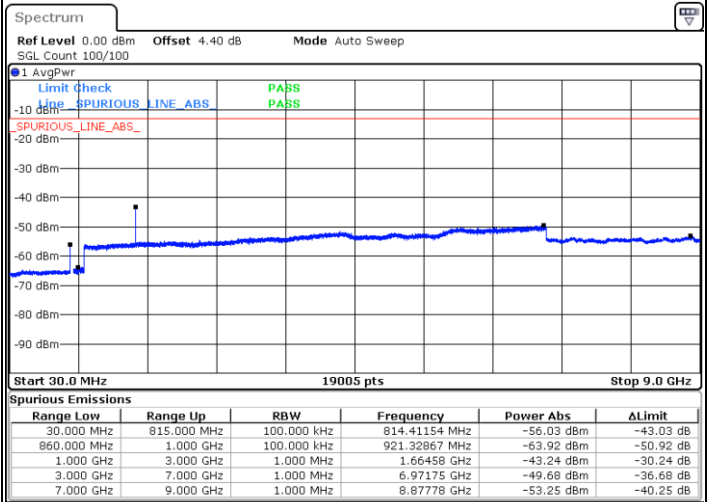
LTE Band 5 / 10MHz

Middle Channel / QPSK



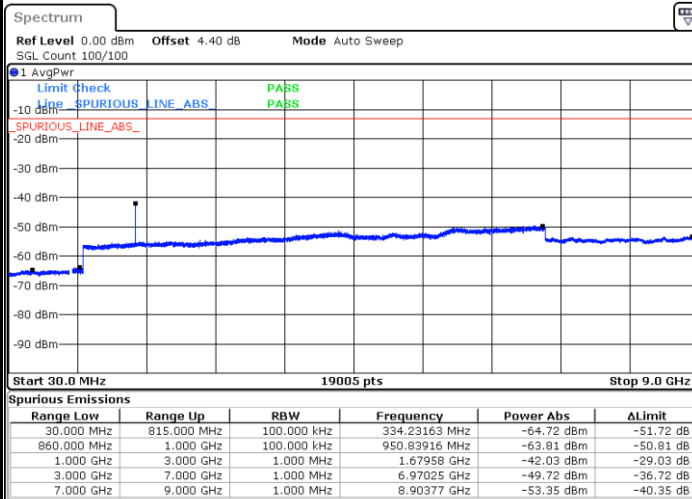
Date: 16 APR 2018 11:38:13

Middle Channel / 16QAM



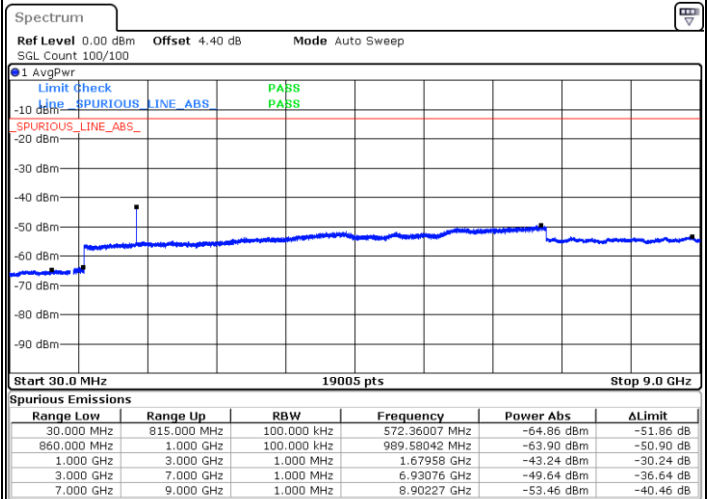
Date: 16 APR 2018 11:39:06

Highest Channel / QPSK



Date: 16 APR 2018 11:47:14

Highest Channel / 16QAM



Date: 16 APR 2018 11:48:08

**Frequency Stability**

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0051	PASS
40	Normal Voltage	0.0061	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0050	
20	Battery End Point	0.0005	

Note: Normal Voltage =3.82V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-57.63	-13	-44.63	-59.54	1.14	5.20	H
	2496	-40.75	-13	-27.75	-43.38	1.12	5.90	H
	3327	-63.84	-13	-50.84	-67.05	1.34	6.70	H
	1664	-54.15	-13	-41.15	-56.06	1.14	5.20	V
	2496	-46.10	-13	-33.10	-48.73	1.12	5.90	V
	3327	-64.15	-13	-51.15	-67.36	1.34	6.70	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

