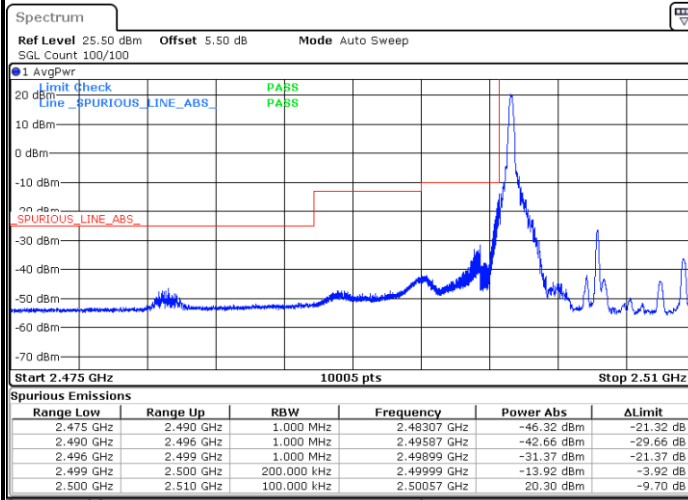


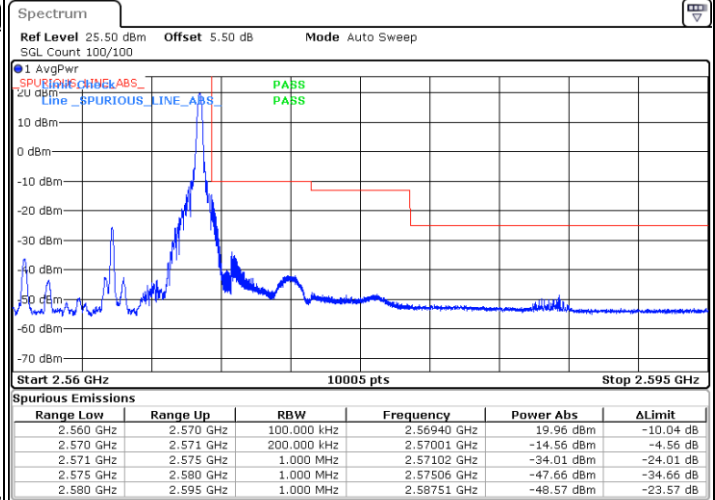


LTE Band 7 / 10MHz / QPSK

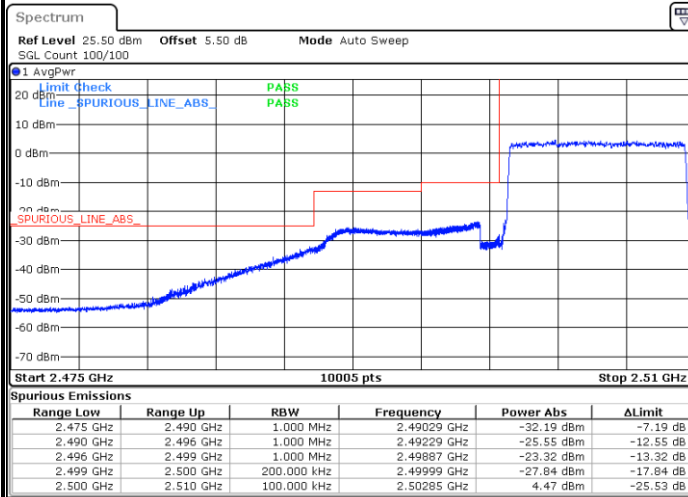
Lowest Band Edge / 1 RB



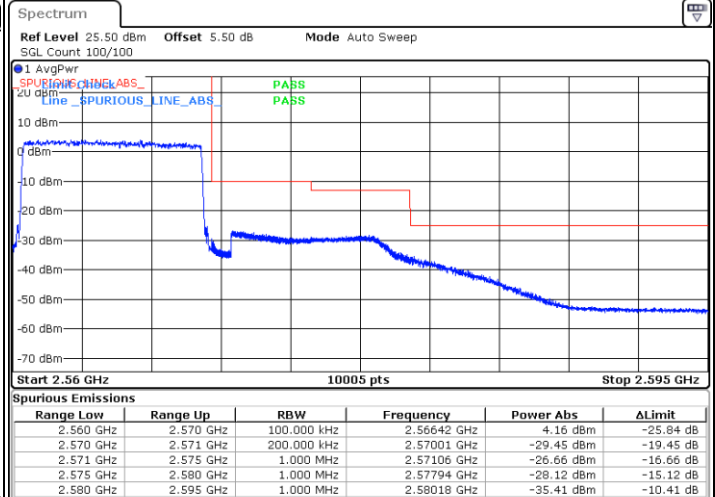
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



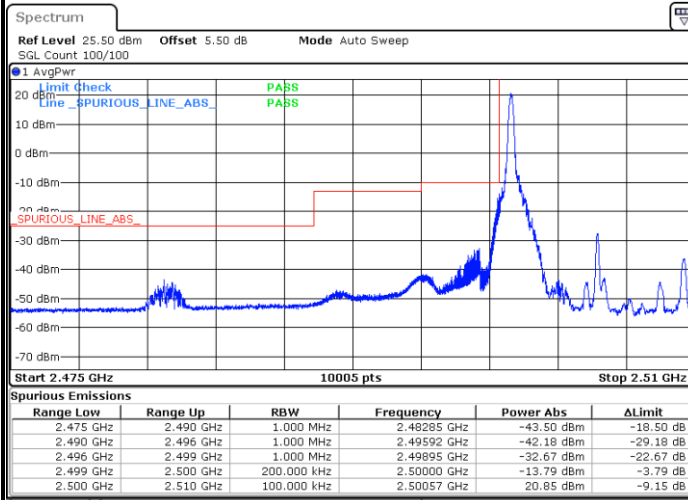
Highest Band Edge / Full RB





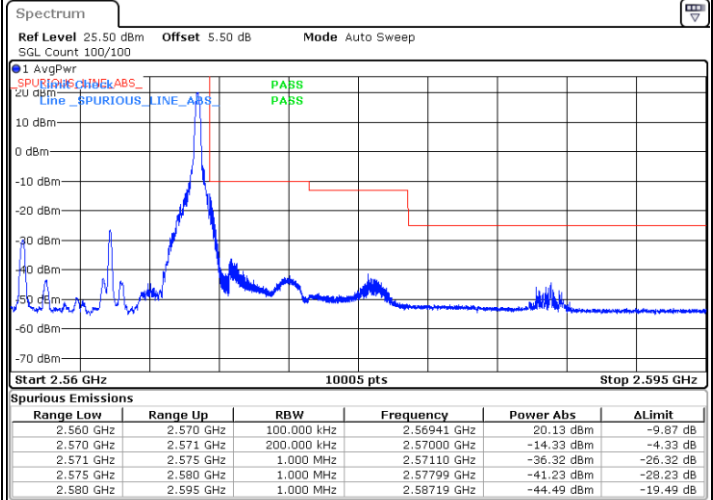
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



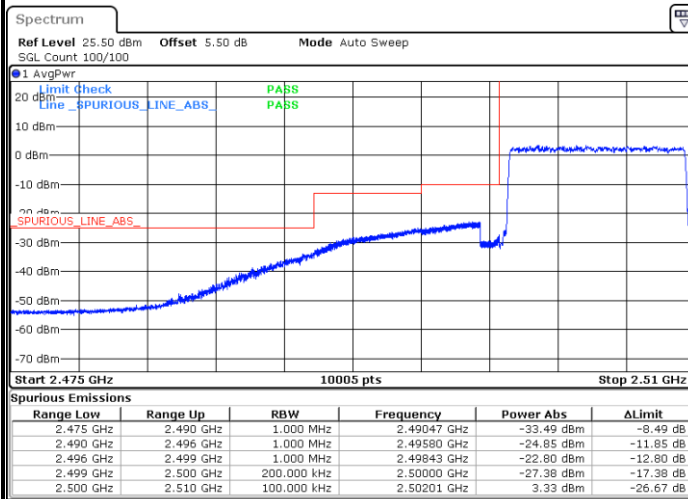
Date: 15 MAY 2018 19:36:35

Highest Band Edge / 1 RB



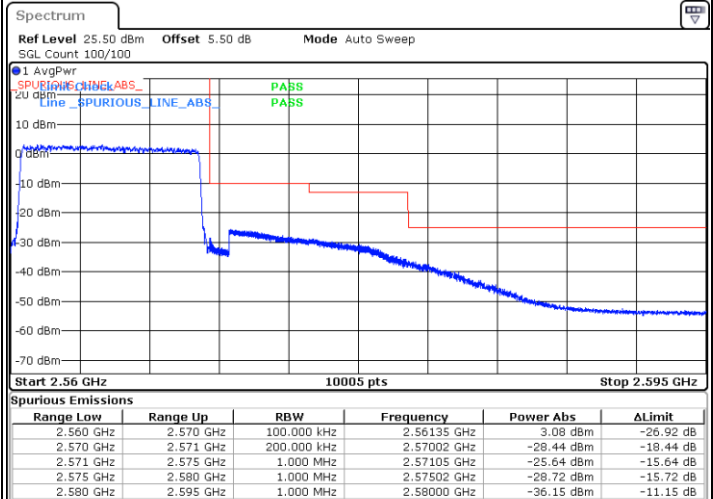
Date: 15 MAY 2018 19:46:13

Lowest Band Edge / Full RB



Date: 15 MAY 2018 19:33:08

Highest Band Edge / Full RB

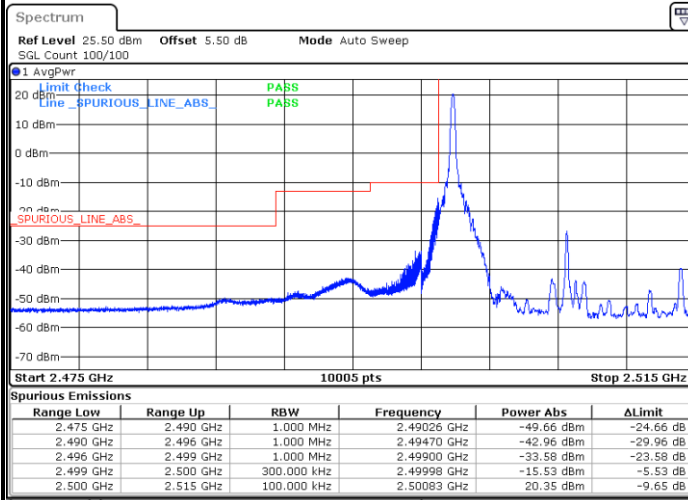


Date: 15 MAY 2018 19:42:47

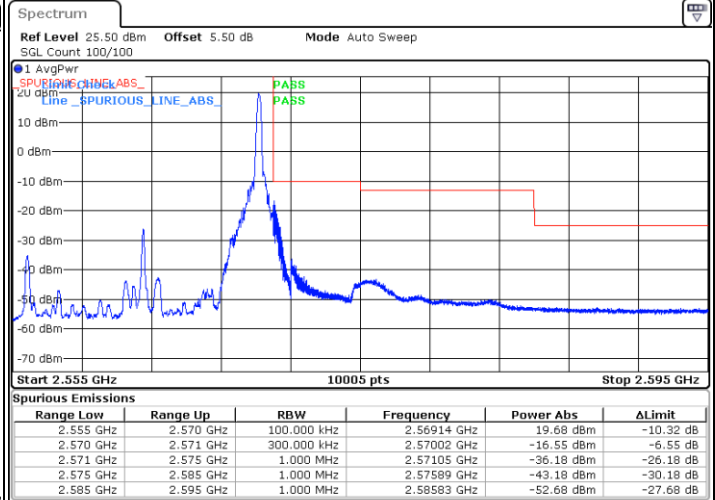


LTE Band 7 / 15MHz / QPSK

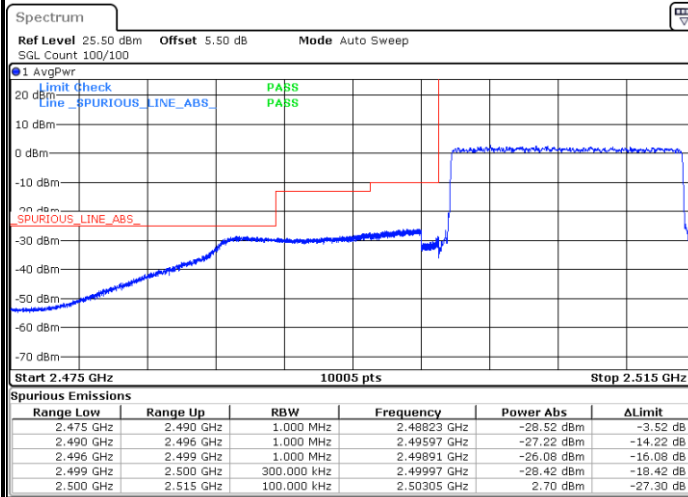
Lowest Band Edge / 1 RB



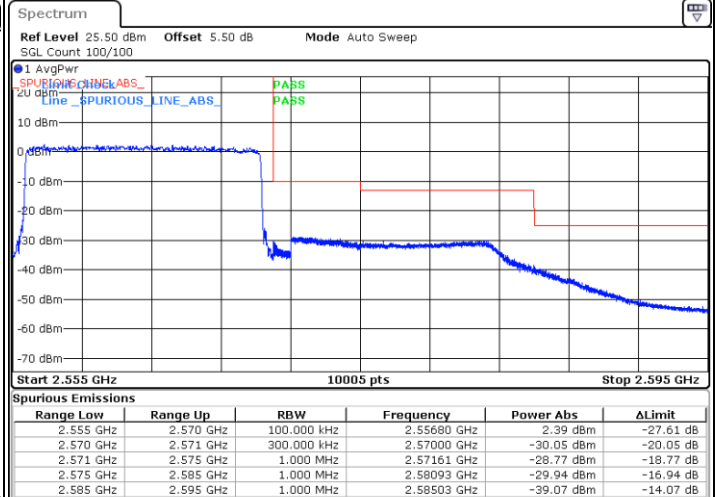
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



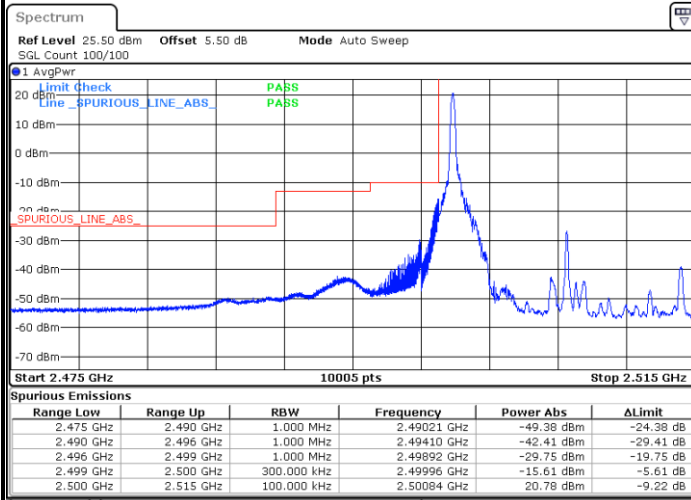
Highest Band Edge / Full RB



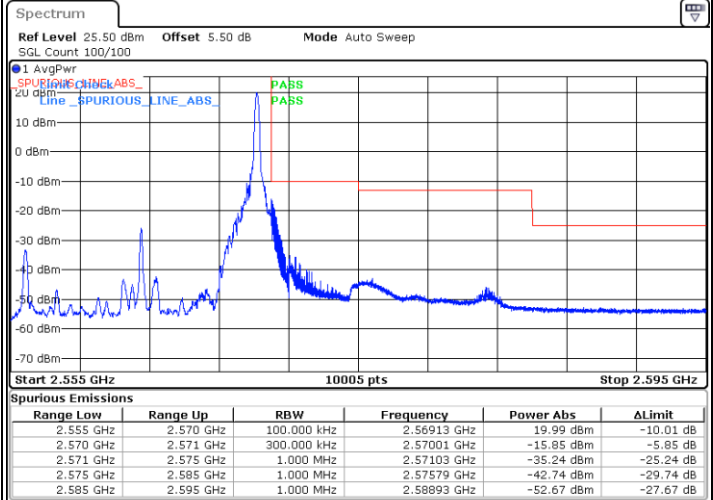


LTE Band 7 / 15MHz / 16QAM

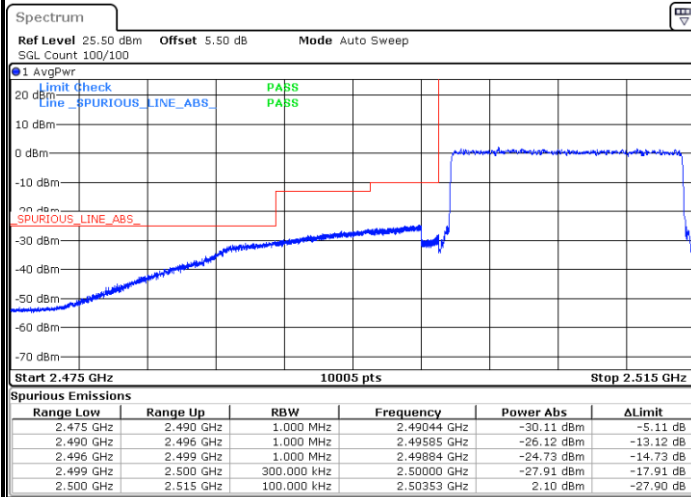
Lowest Band Edge / 1 RB



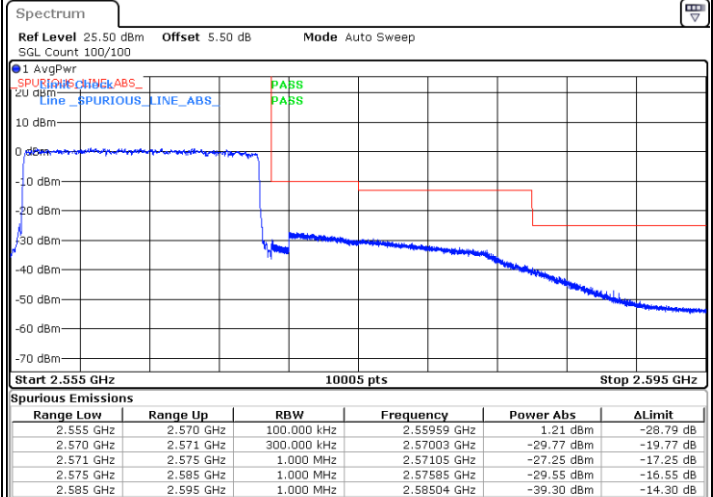
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



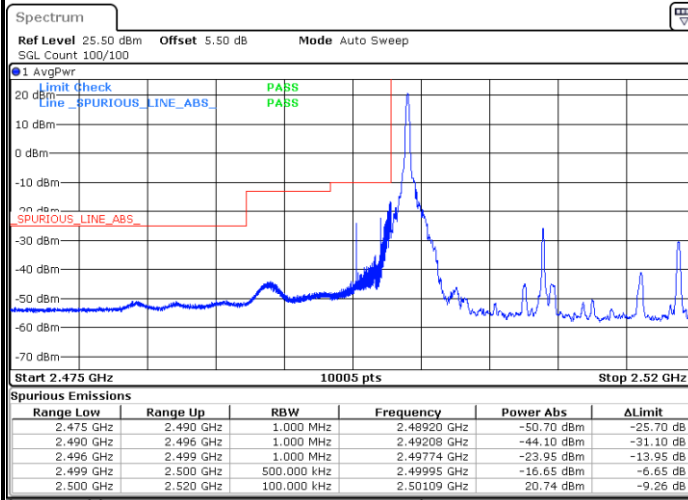
Highest Band Edge / Full RB



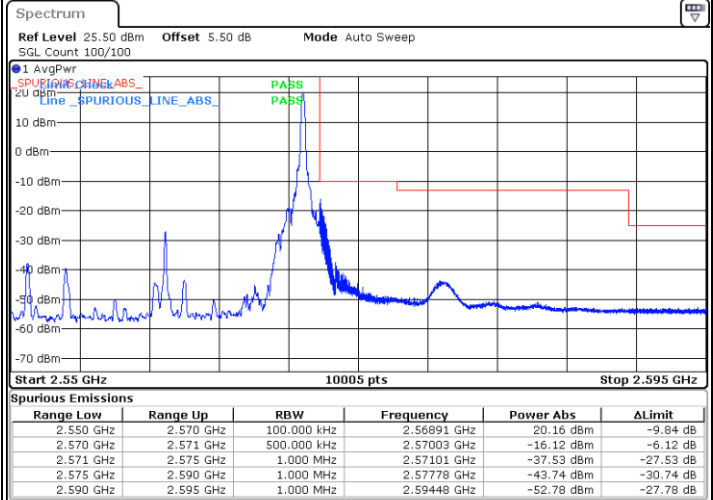


LTE Band 7 / 20MHz / QPSK

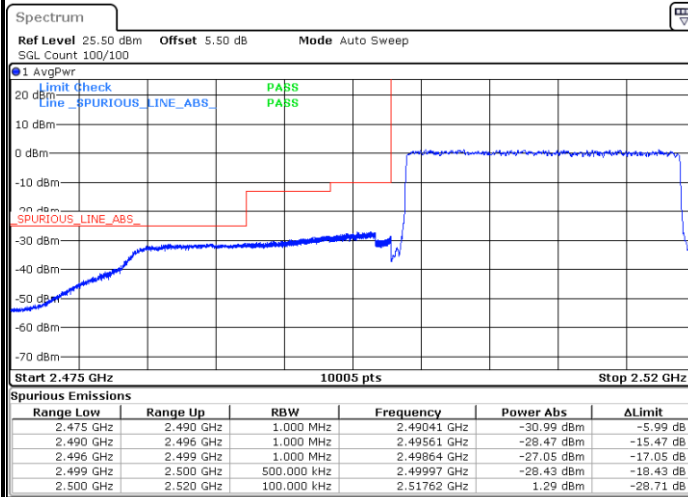
Lowest Band Edge / 1 RB



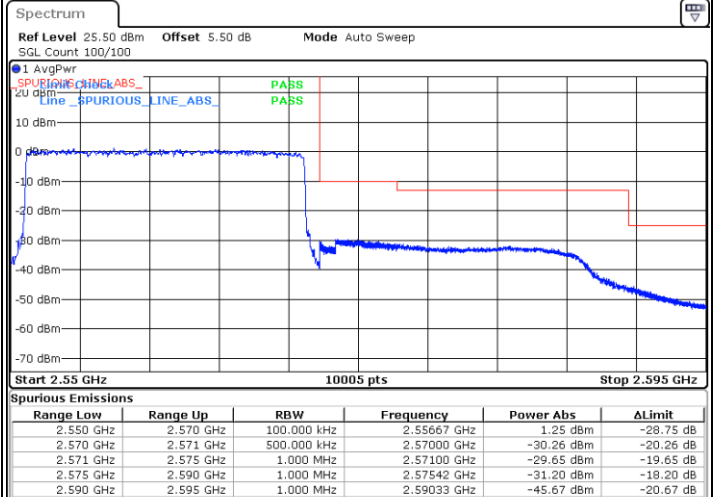
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



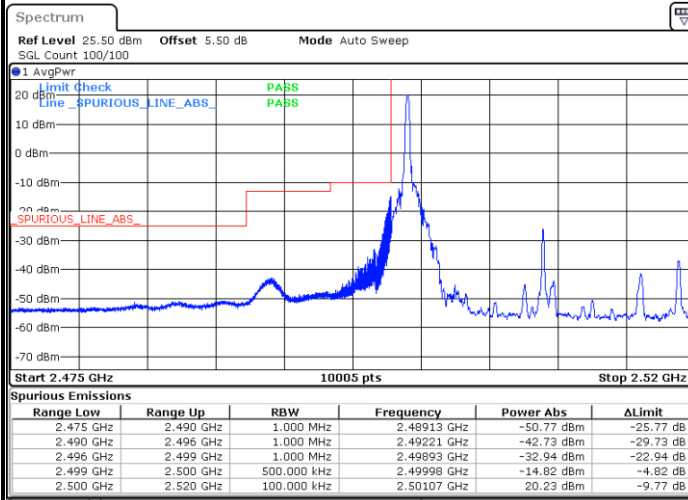
Highest Band Edge / Full RB



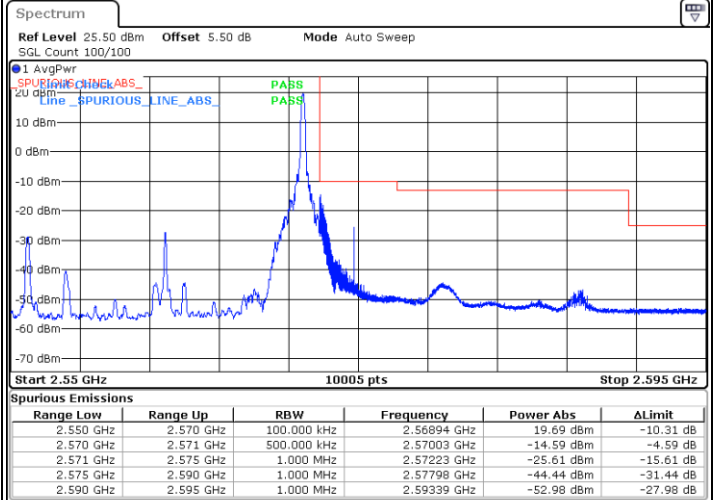


LTE Band 7 / 20MHz / 16QAM

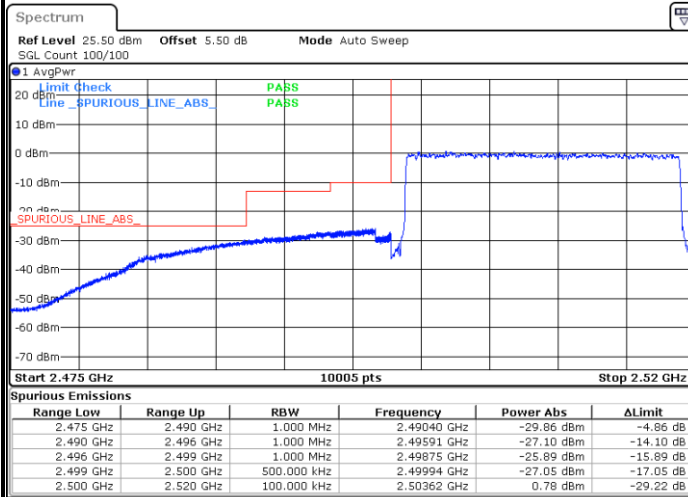
Lowest Band Edge / 1 RB



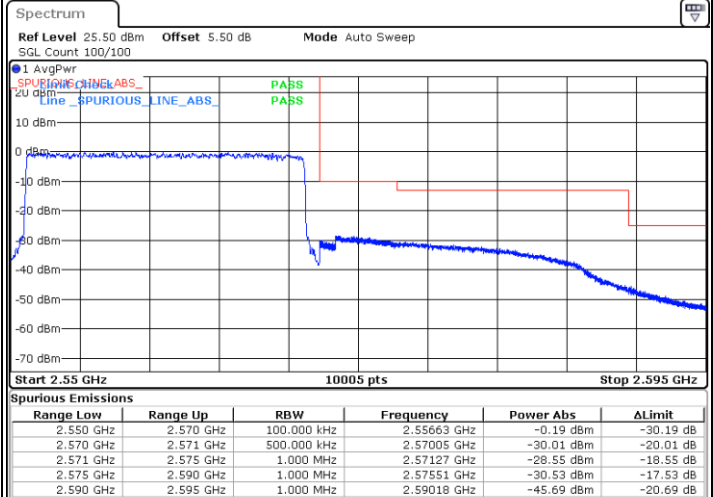
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

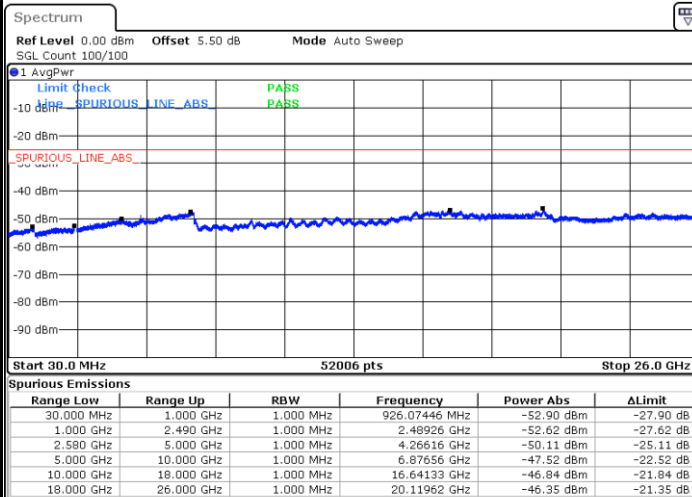




Conducted Spurious Emission

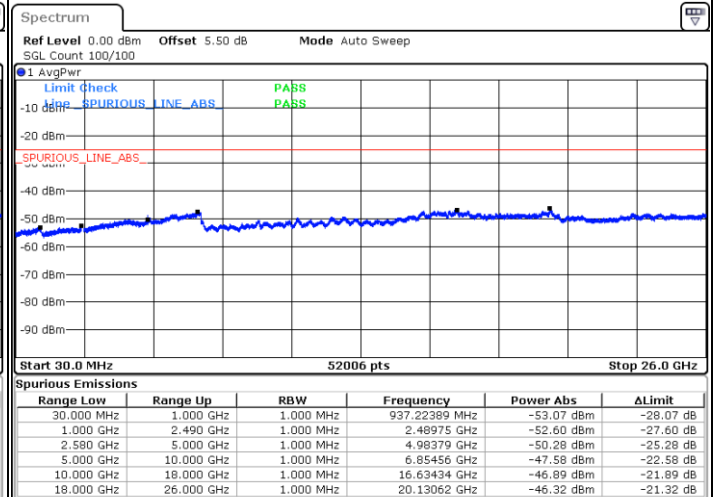
LTE Band 7 / 5MHz

Lowest Channel / QPSK



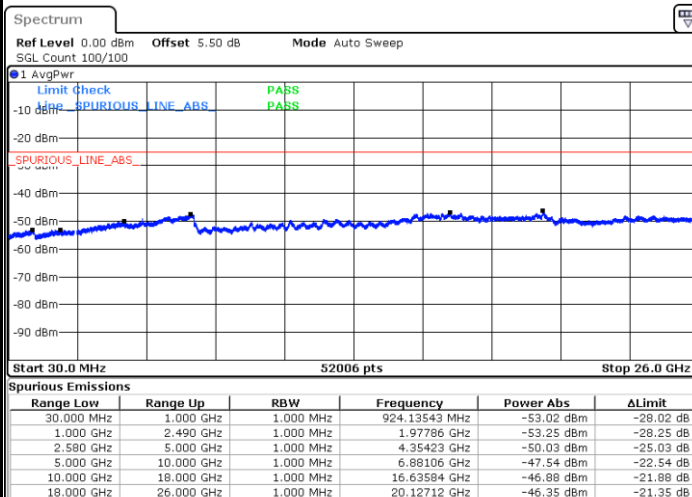
Date: 15 MAY 2018 18:55:22

Lowest Channel / 16QAM



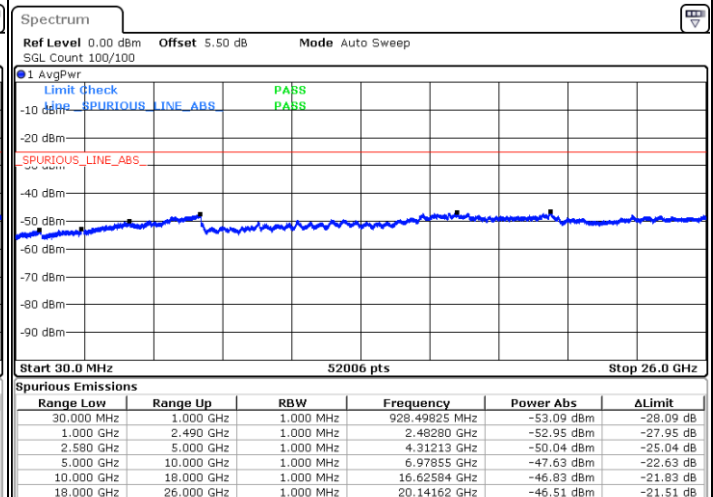
Date: 15 MAY 2018 18:54:28

Middle Channel / QPSK



Date: 15 MAY 2018 18:56:16

Middle Channel / 16QAM

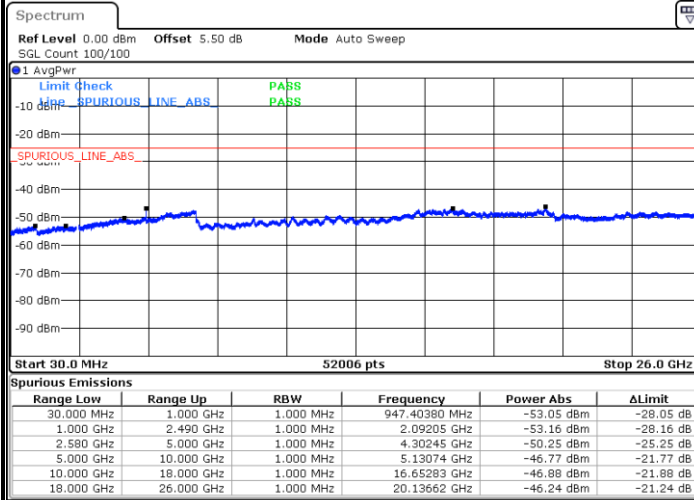


Date: 15 MAY 2018 18:57:11



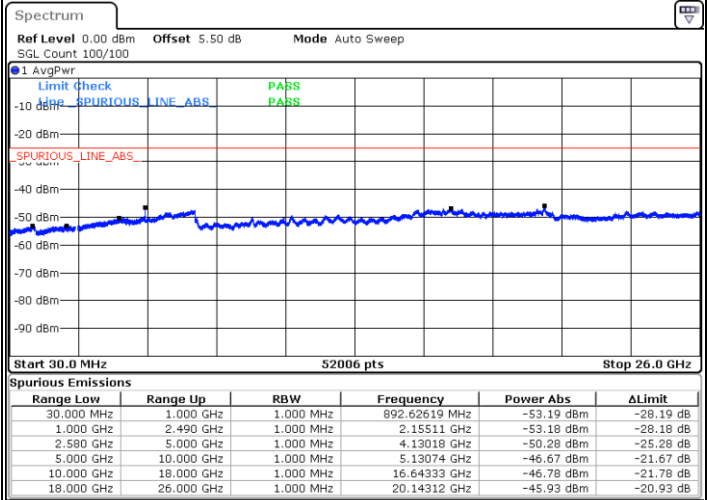
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 15 MAY 2018 19:05:00

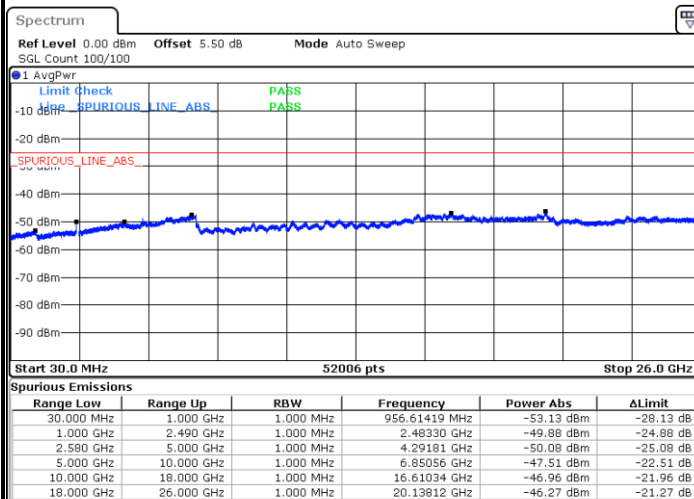
Highest Channel / 16QAM



Date: 15 MAY 2018 19:04:05

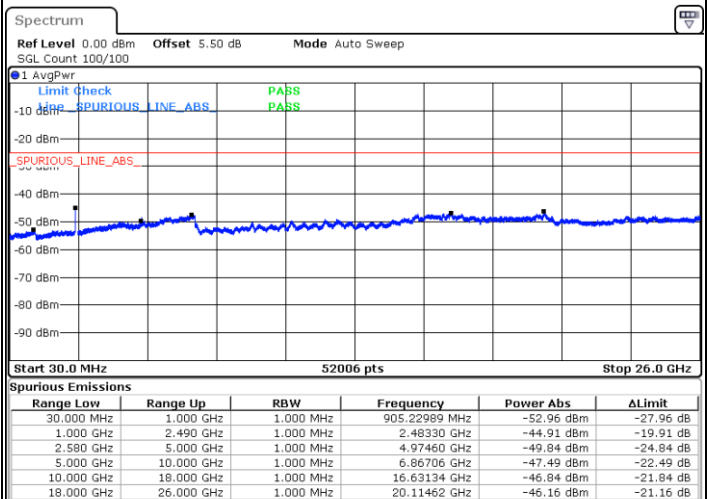
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 15 MAY 2018 19:38:24

Lowest Channel / 16QAM

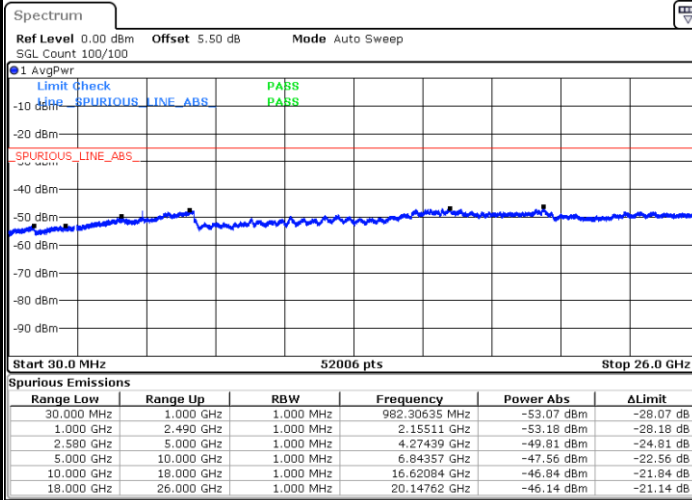


Date: 15 MAY 2018 19:37:29



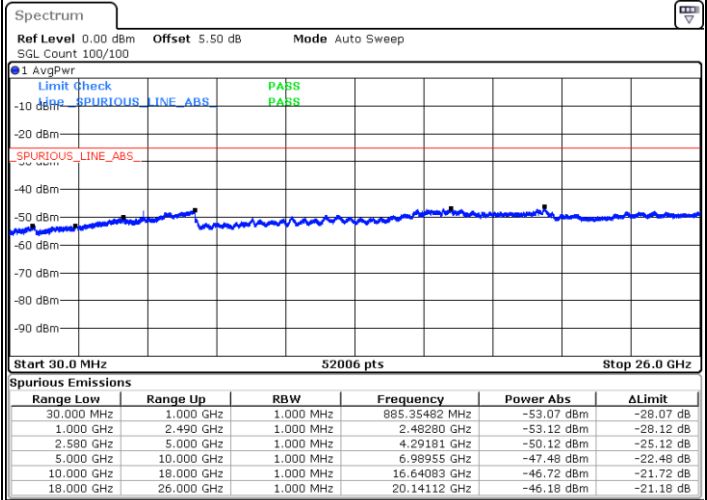
LTE Band 7 / 10MHz

Middle Channel / QPSK



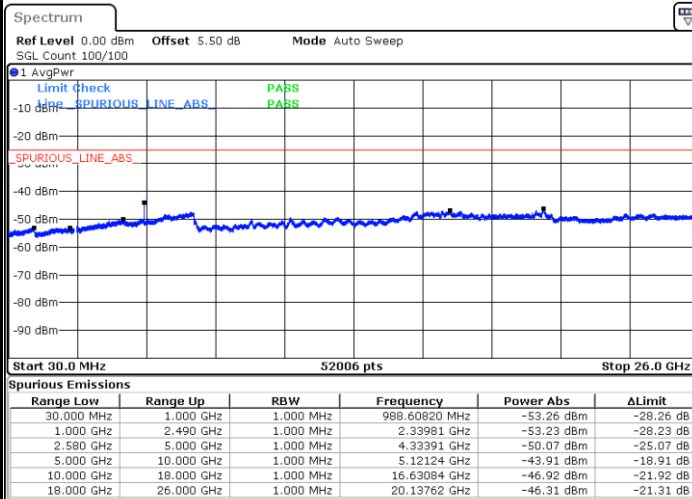
Date: 15 MAY 2018 19:39:18

Middle Channel / 16QAM



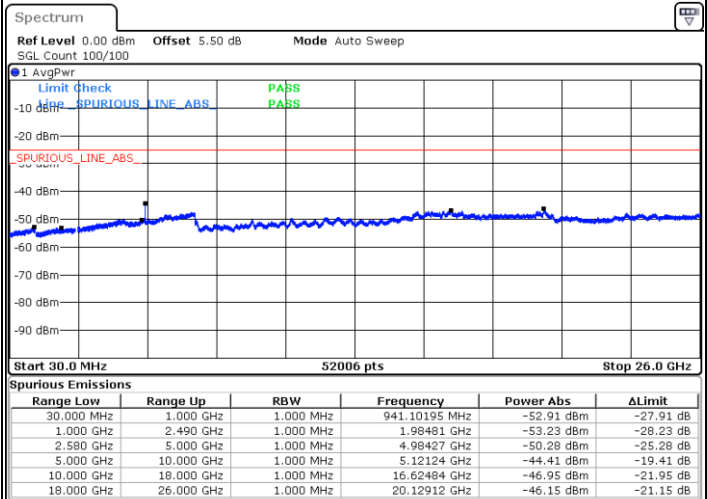
Date: 15 MAY 2018 19:40:13

Highest Channel / QPSK



Date: 15 MAY 2018 19:48:01

Highest Channel / 16QAM

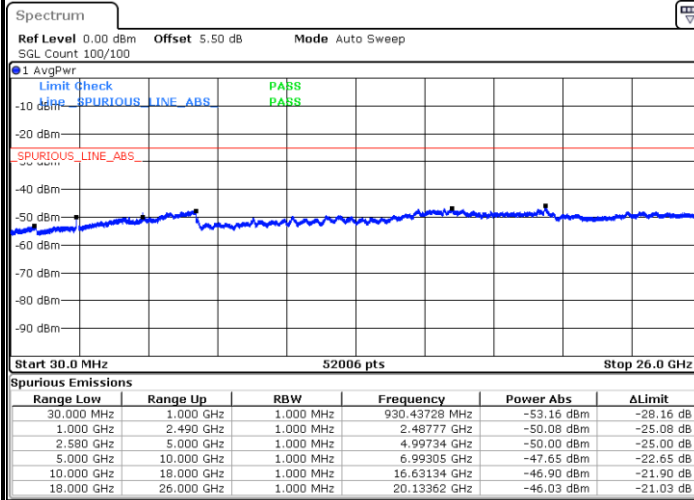


Date: 15 MAY 2018 19:47:07



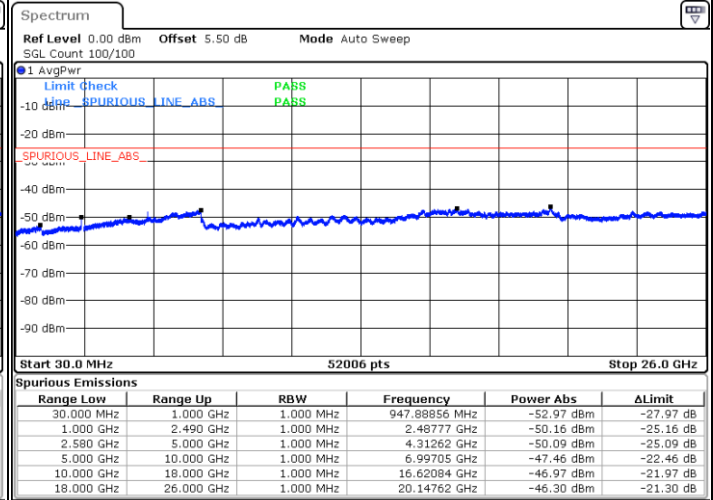
LTE Band 7 / 15MHz

Lowest Channel / QPSK



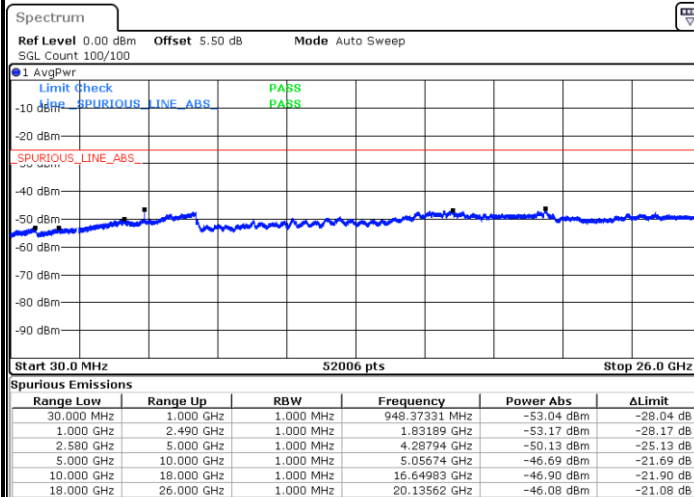
Date: 15 MAY 2018 19:55:10

Lowest Channel / 16QAM



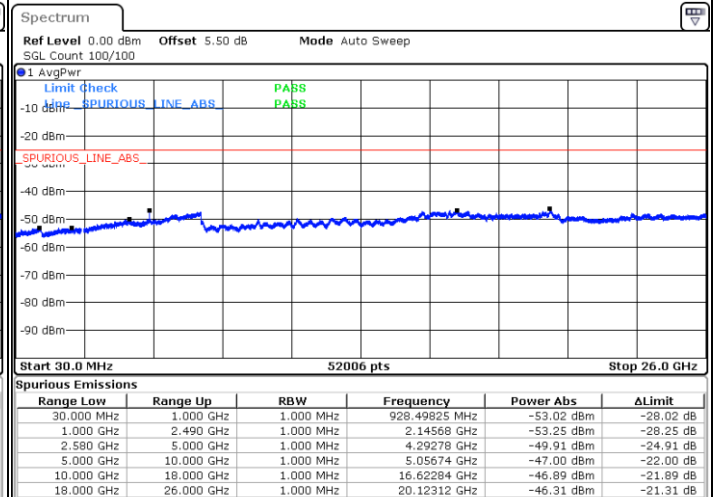
Date: 15 MAY 2018 19:54:16

Middle Channel / QPSK



Date: 15 MAY 2018 19:56:05

Middle Channel / 16QAM

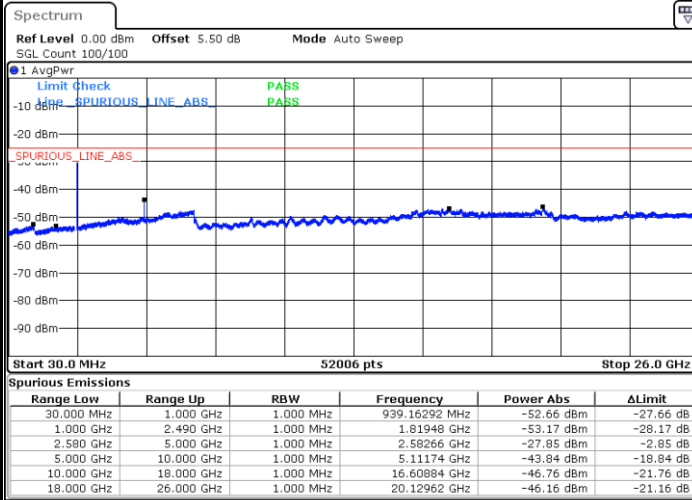


Date: 15 MAY 2018 19:56:59



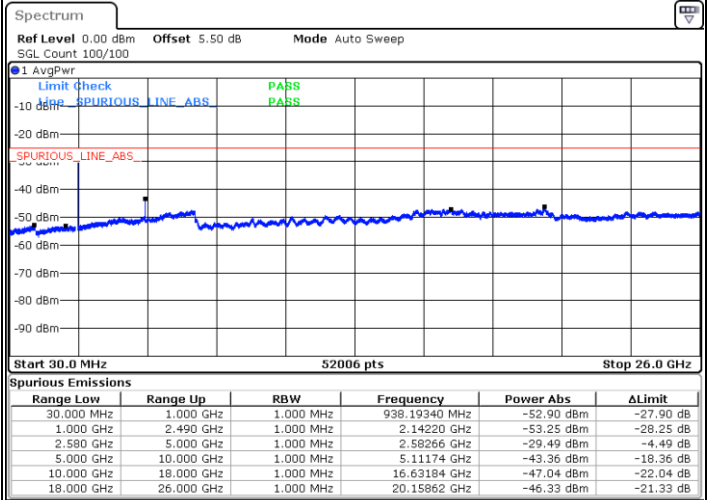
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 15 MAY 2018 20:04:48

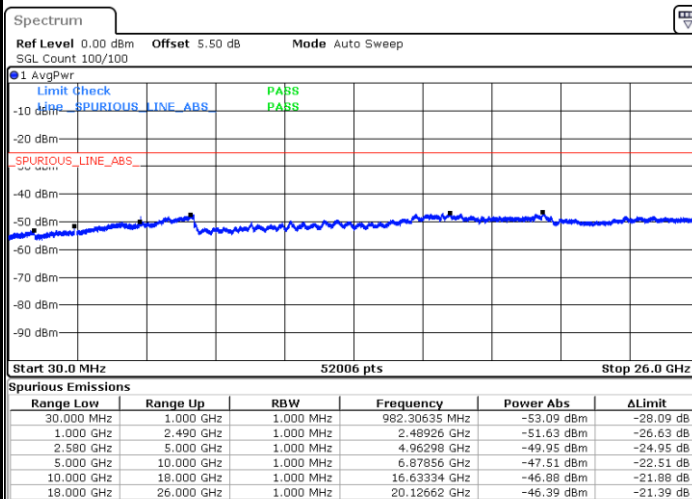
Highest Channel / 16QAM



Date: 15 MAY 2018 20:03:54

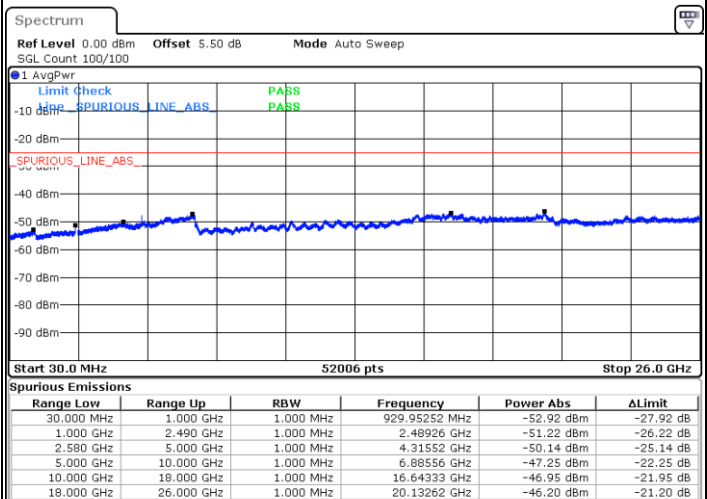
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 15 MAY 2018 20:11:57

Lowest Channel / 16QAM

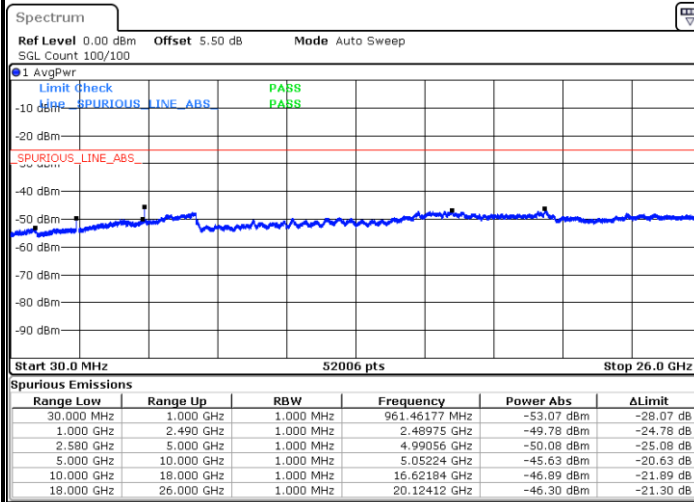


Date: 15 MAY 2018 20:11:03



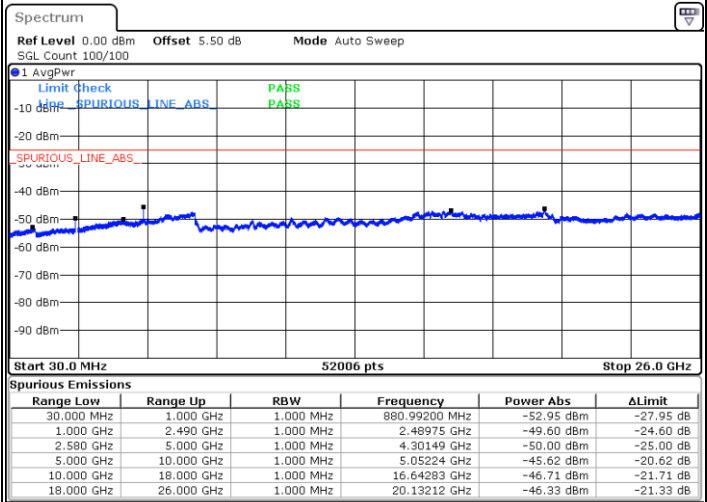
LTE Band 7 / 20MHz

Middle Channel / QPSK



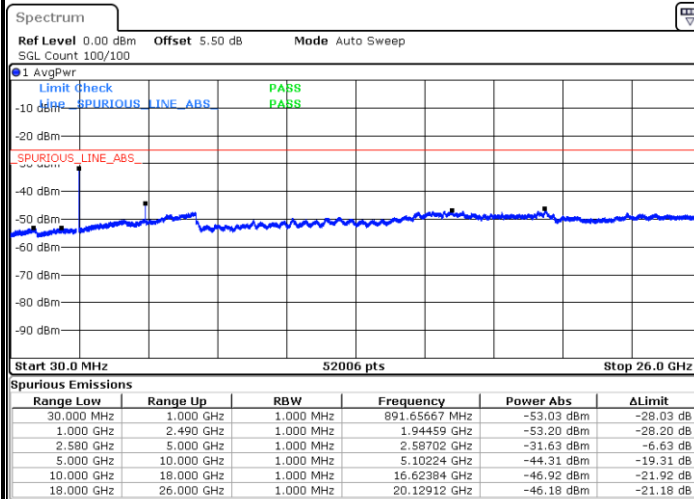
Date: 15 MAY 2018 20:12:52

Middle Channel / 16QAM



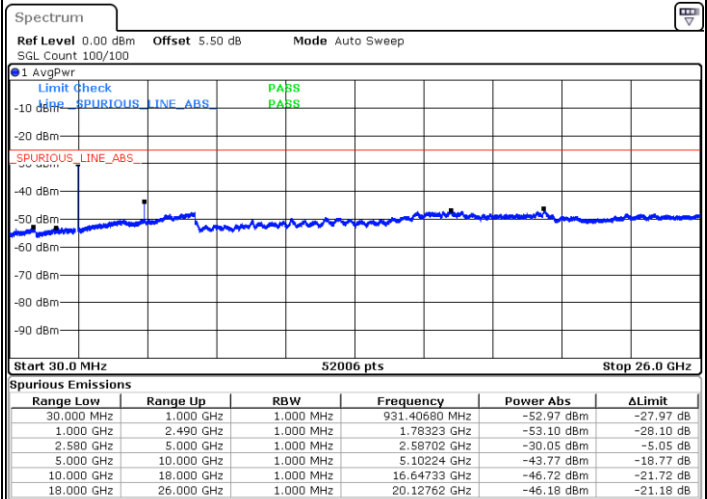
Date: 15 MAY 2018 20:13:46

Highest Channel / QPSK



Date: 15 MAY 2018 20:21:35

Highest Channel / 16QAM



Date: 15 MAY 2018 20:20:41

**Frequency Stability**

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

<Normal>

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5051	-49.92	-25	-24.92	-57.28	1.76	9.12	H
	7577	-59.39	-25	-34.39	-69.36	2.16	12.13	H
	10100	-62.28	-25	-37.28	-72.16	2.22	12.10	H
	5051	-59.27	-25	-34.27	-66.63	1.76	9.12	V
	7577	-60.17	-25	-35.17	-70.14	2.16	12.13	V
	10100	-61.89	-25	-36.89	-71.77	2.22	12.10	V

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

<Battery module 3620>

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-52.94	-25	-27.94	-60.30	1.76	9.12	H
	7578	-58.64	-25	-33.64	-68.61	2.16	12.13	H
	10107	-62.24	-25	-37.24	-72.12	2.22	12.10	H
	5052	-57.03	-25	-32.03	-64.39	1.76	9.12	V
	7578	-59.19	-25	-34.19	-69.16	2.16	12.13	V
	10107	-62.03	-25	-37.03	-71.91	2.22	12.10	V

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

<Battery module 4370>

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-52.64	-25	-27.64	-60.00	1.76	9.12	H
	7578	-57.89	-25	-32.89	-67.86	2.16	12.13	H
	10107	-61.96	-25	-36.96	-71.84	2.22	12.10	H
	5052	-58.54	-25	-33.54	-65.90	1.76	9.12	V
	7578	-58.26	-25	-33.26	-68.23	2.16	12.13	V
	10107	-61.81	-25	-36.81	-71.69	2.22	12.10	V

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