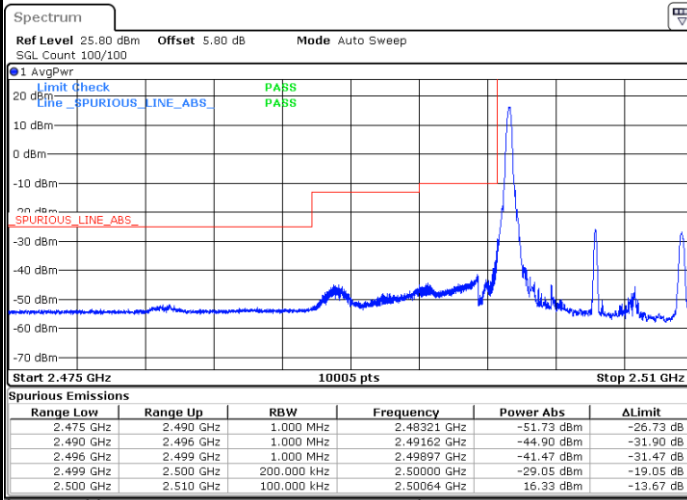




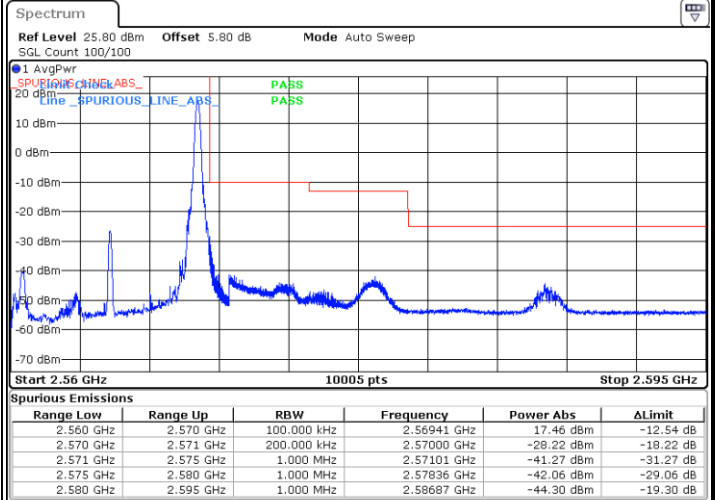
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



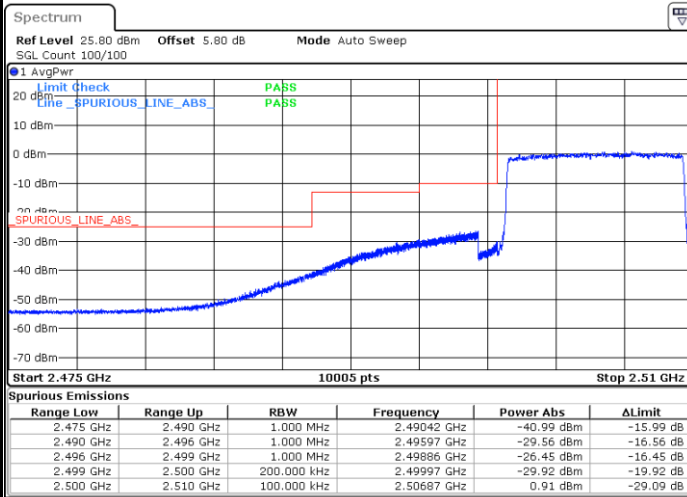
Date: 3. JAN 2020 14:34:54

Highest Band Edge / 1 RB



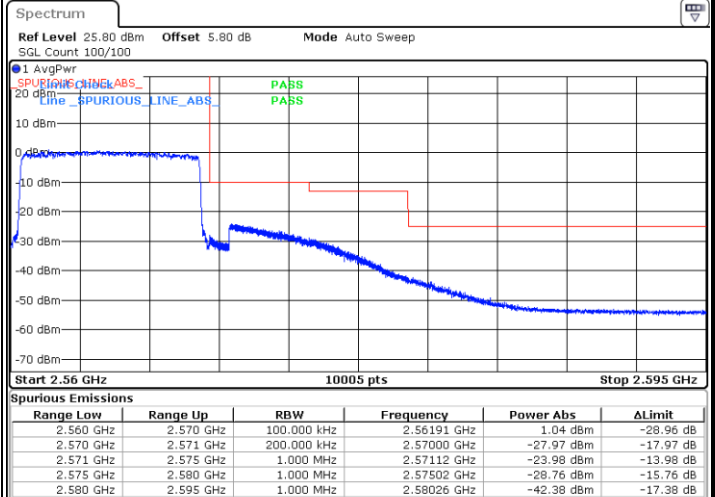
Date: 3. JAN 2020 14:40:35

Lowest Band Edge / Full RB



Date: 3. JAN 2020 14:36:02

Highest Band Edge / Full RB

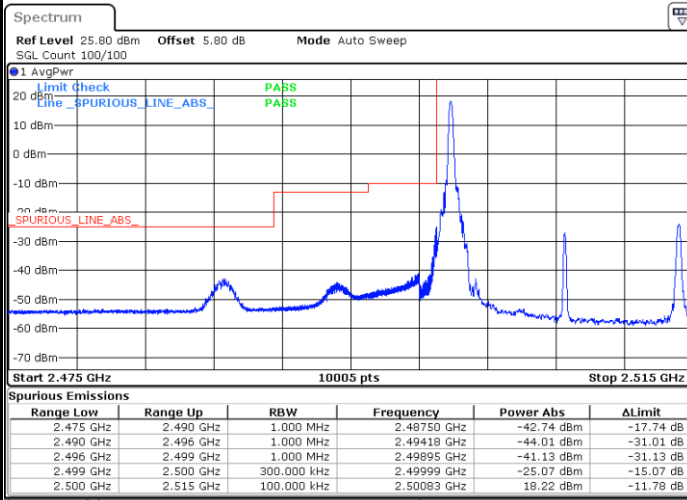


Date: 3. JAN 2020 14:39:27



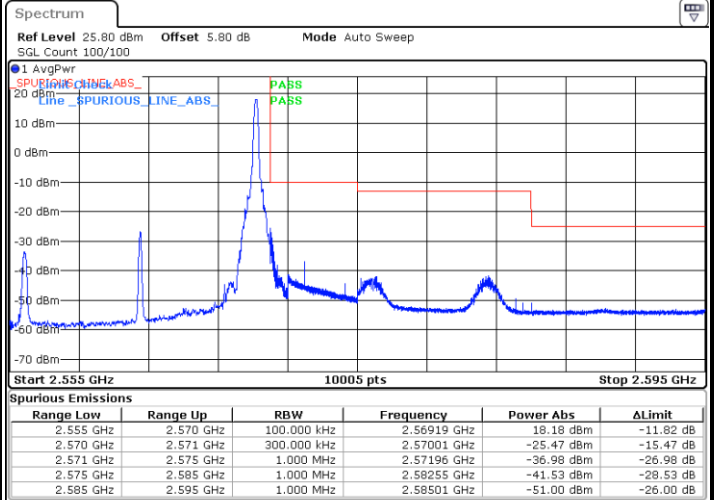
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



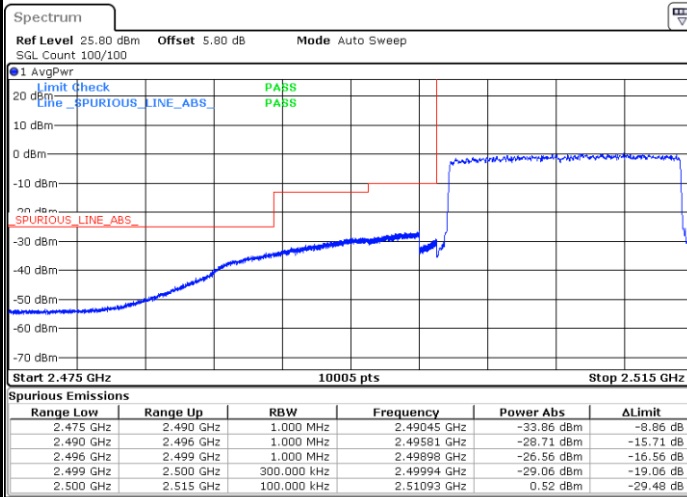
Date: 3. JAN 2020 14:50:14

Highest Band Edge / 1 RB



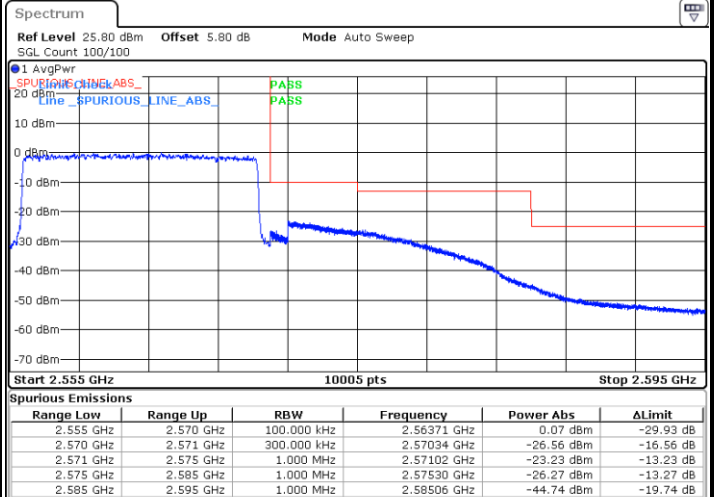
Date: 3. JAN 2020 14:58:11

Lowest Band Edge / Full RB



Date: 3. JAN 2020 14:53:39

Highest Band Edge / Full RB

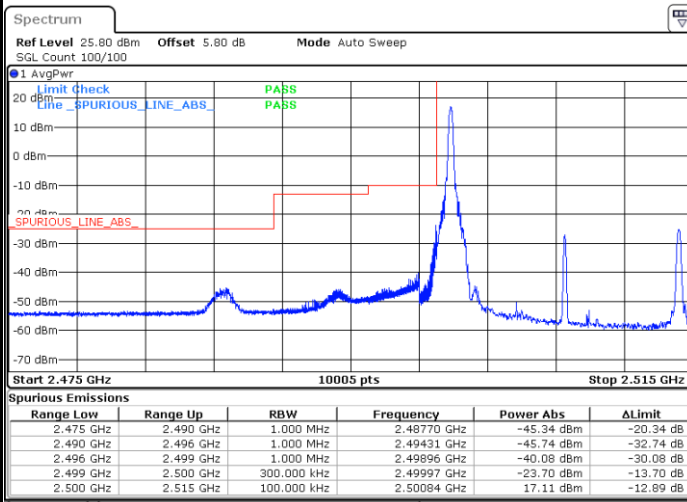


Date: 3. JAN 2020 14:54:47



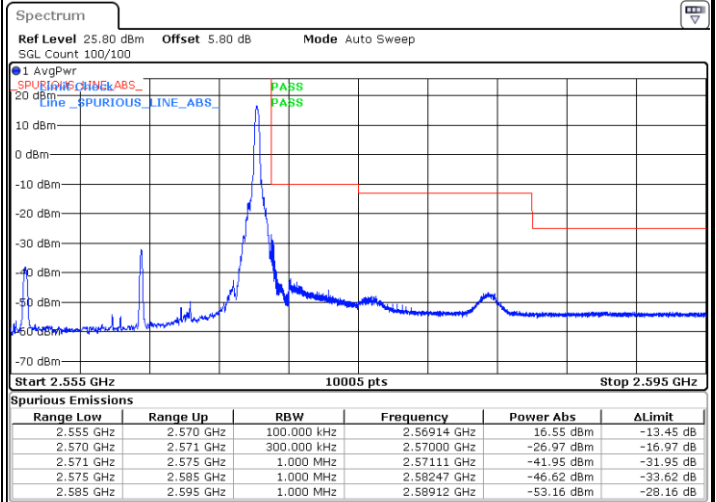
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



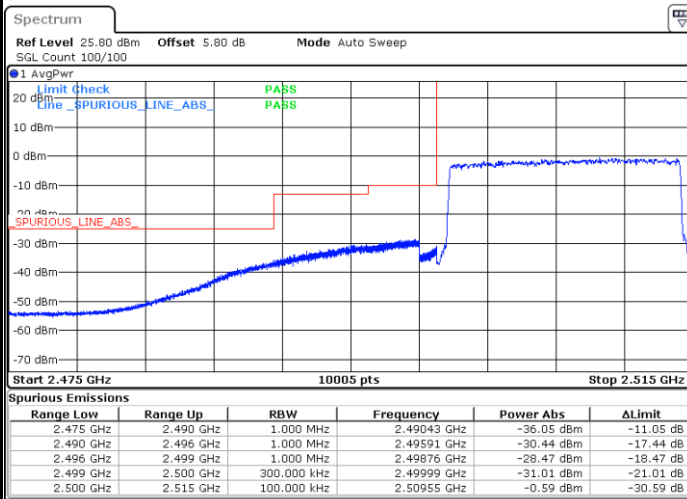
Date: 3. JAN 2020 14:51:22

Highest Band Edge / 1 RB



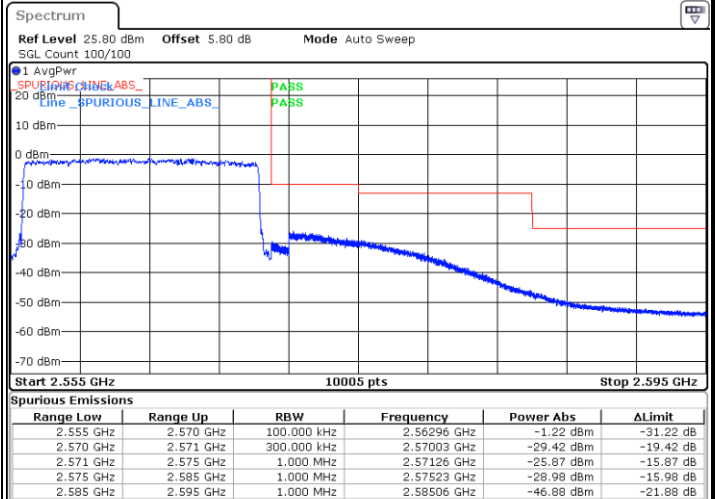
Date: 3. JAN 2020 14:57:03

Lowest Band Edge / Full RB



Date: 3. JAN 2020 14:52:30

Highest Band Edge / Full RB



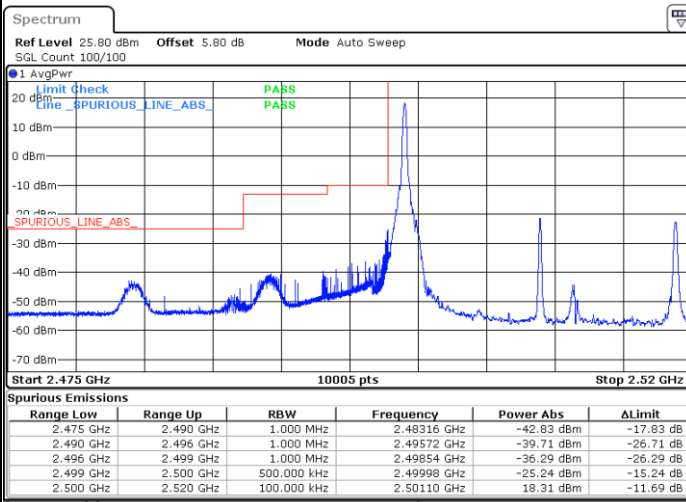
Date: 3. JAN 2020 14:55:55



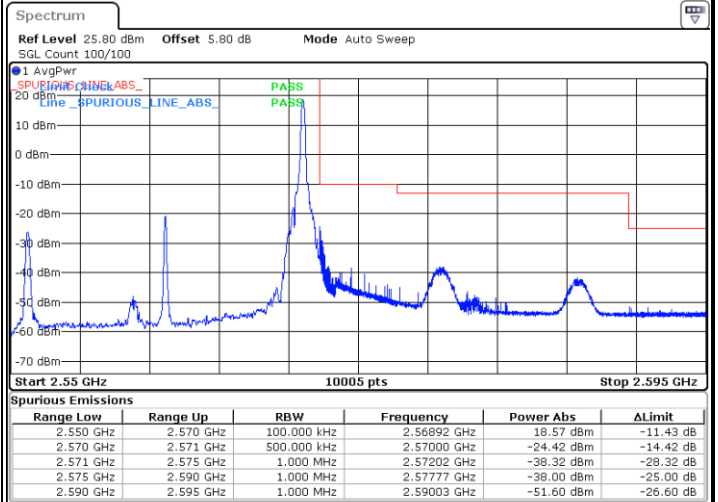
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



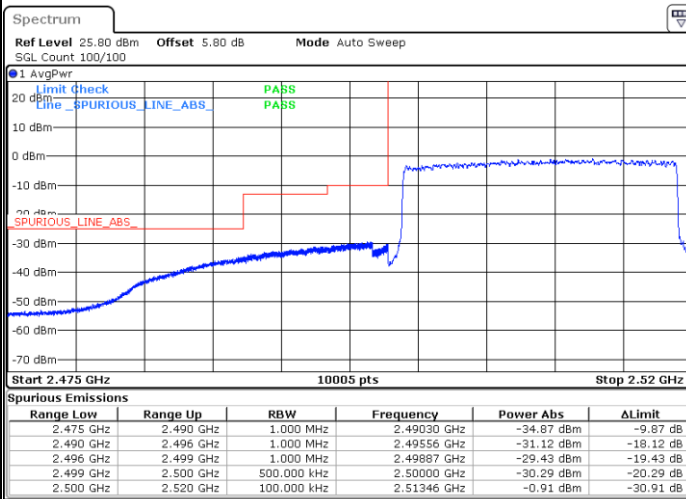
Date: 3. JAN 2020 15:06:42



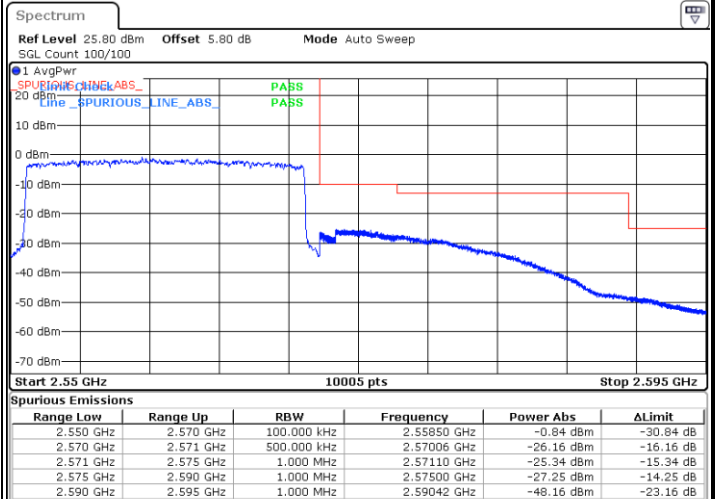
Date: 3. JAN 2020 15:14:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3. JAN 2020 15:10:07

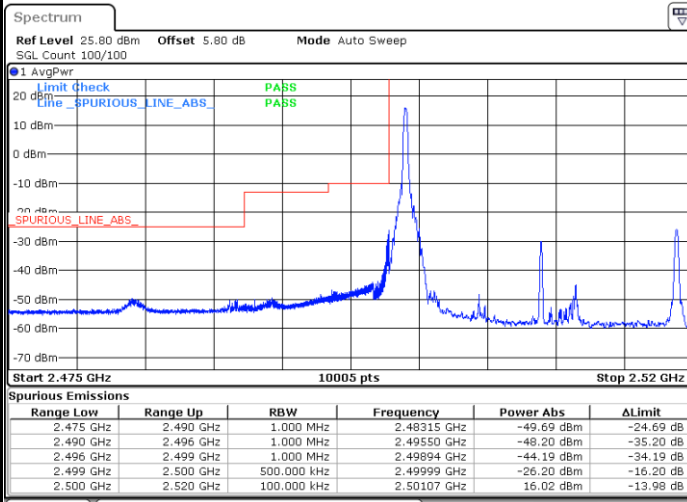


Date: 3. JAN 2020 15:11:15



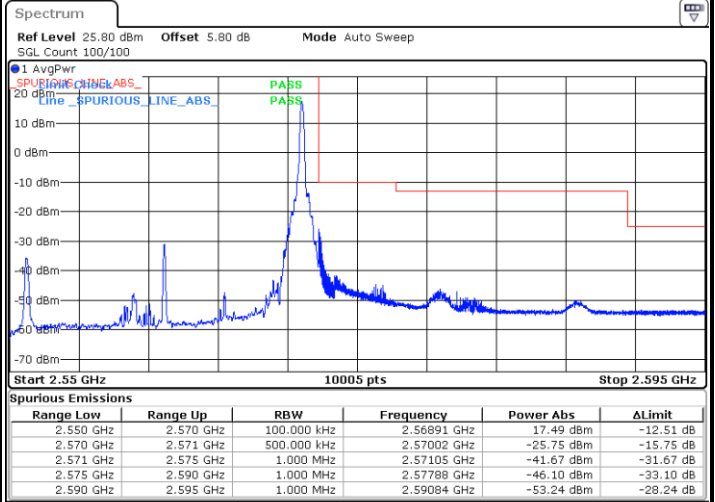
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



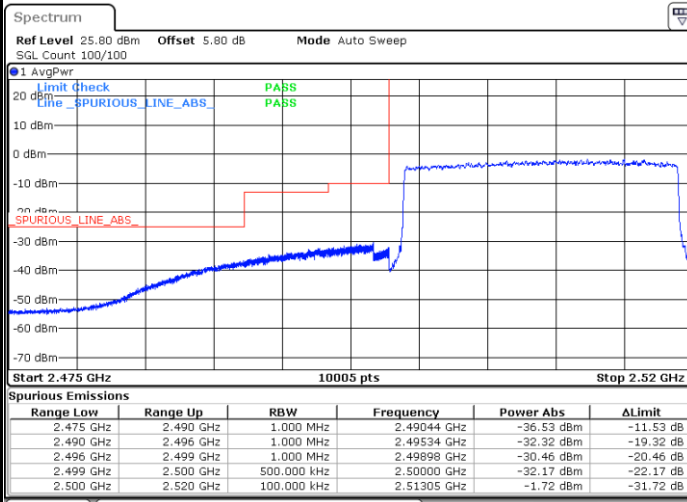
Date: 3. JAN 2020 15:07:51

Highest Band Edge / 1RB



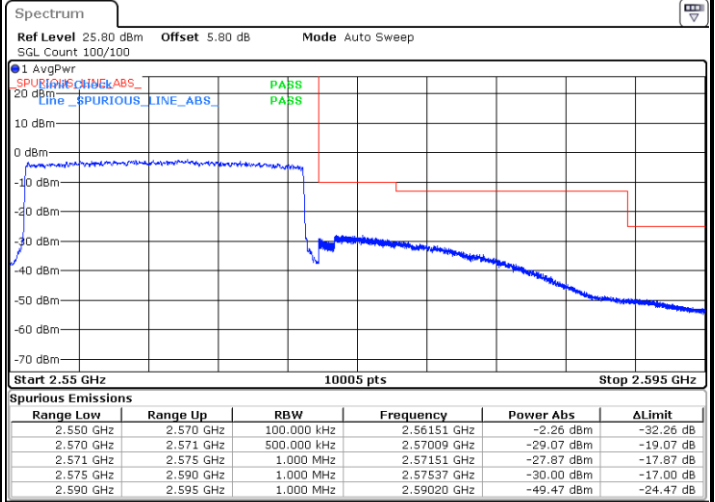
Date: 3. JAN 2020 15:13:32

Lowest Band Edge / Full RB



Date: 3. JAN 2020 15:08:59

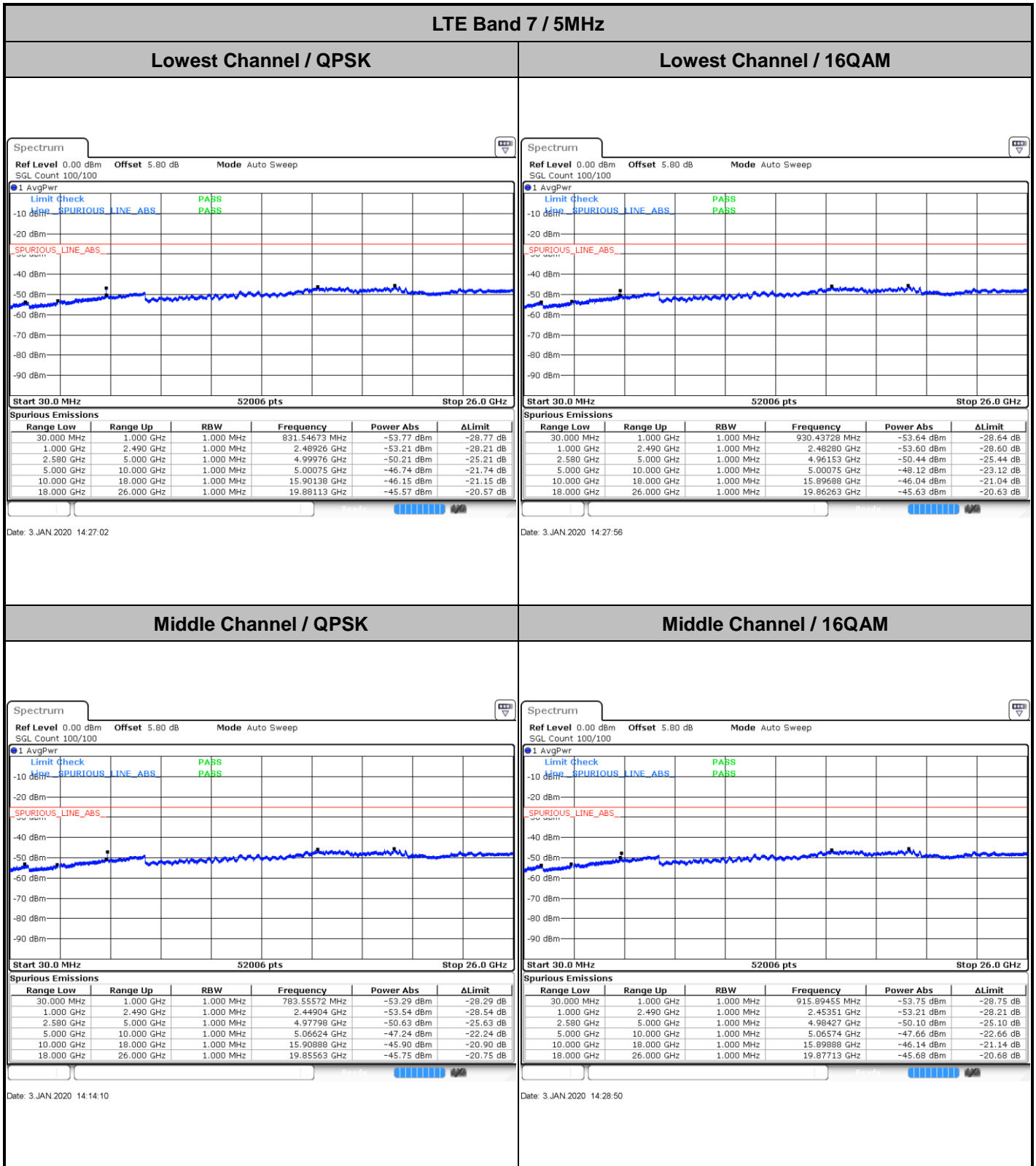
Highest Band Edge / Full RB



Date: 3. JAN 2020 15:12:24



Conducted Spurious Emission

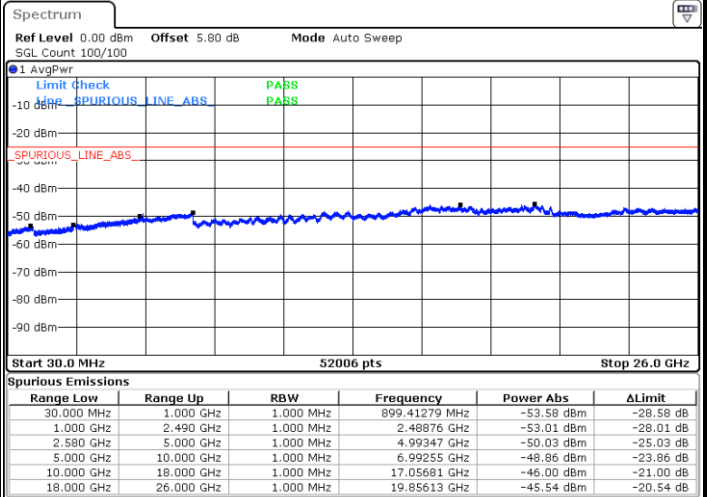
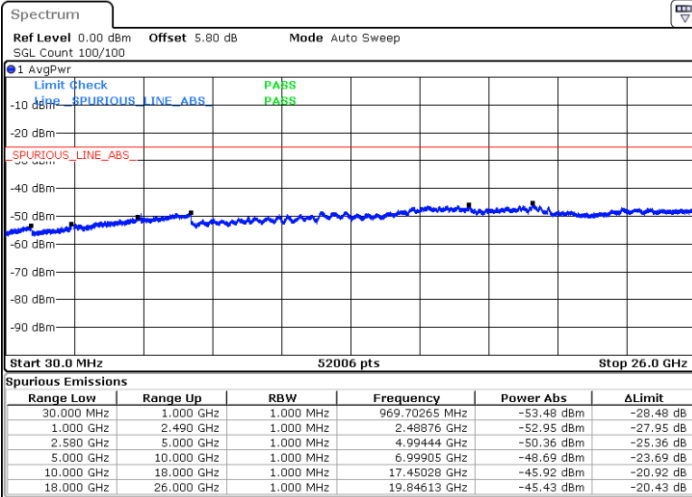




LTE Band 7 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



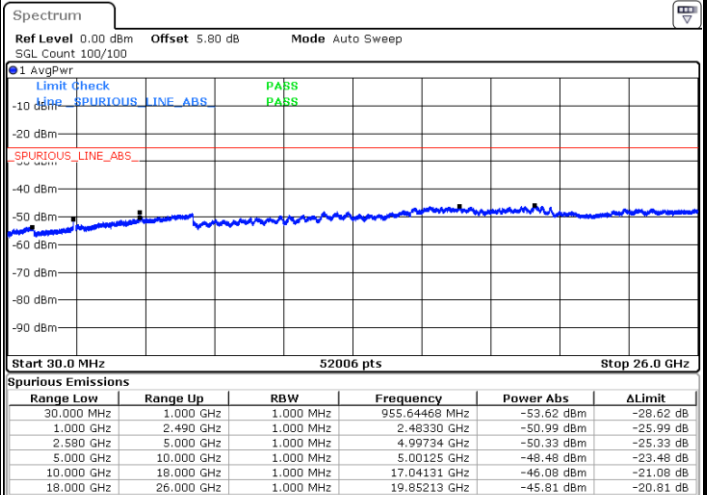
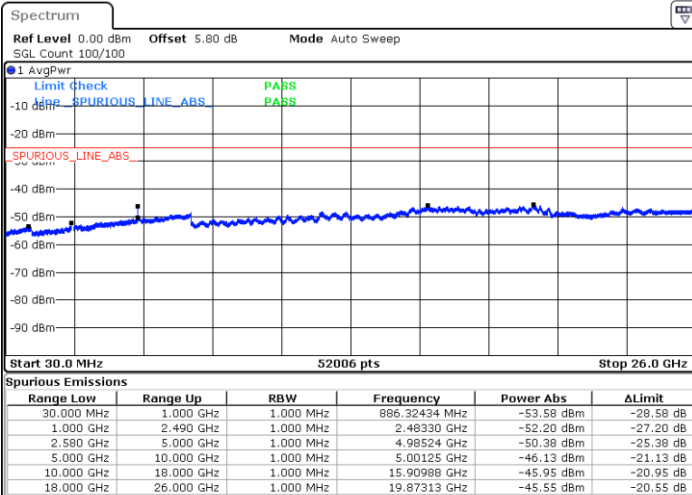
Date: 3 JAN 2020 14:29:44

Date: 3 JAN 2020 14:30:37

LTE Band 7 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 3 JAN 2020 14:42:36

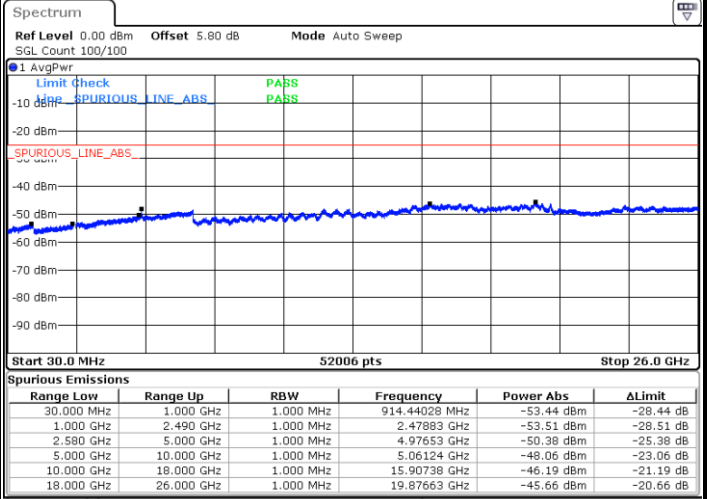
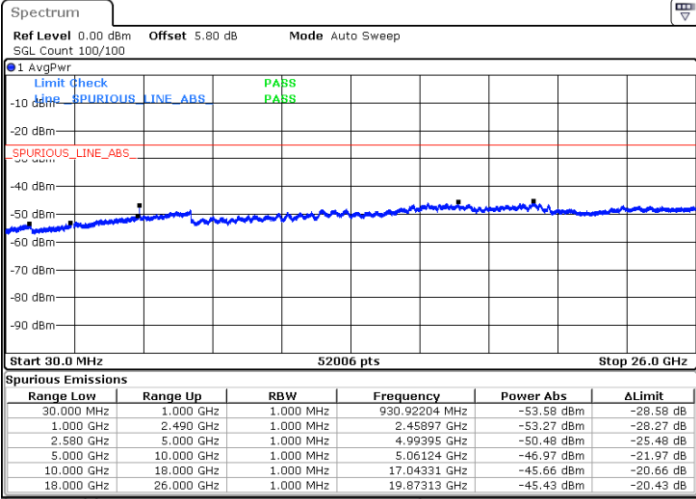
Date: 3 JAN 2020 14:43:29



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

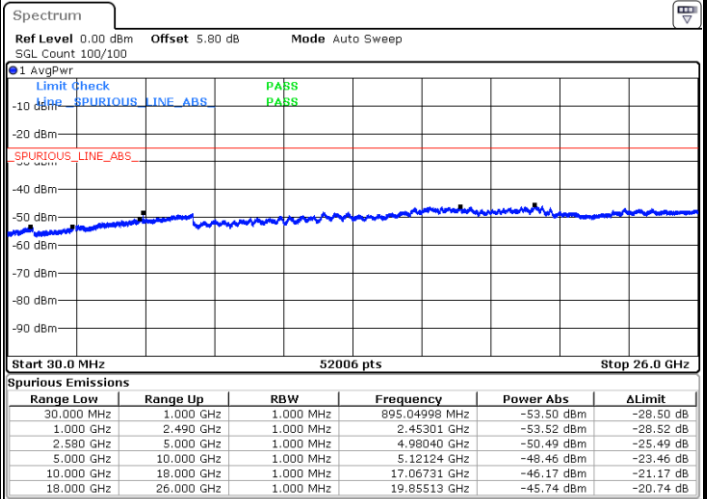
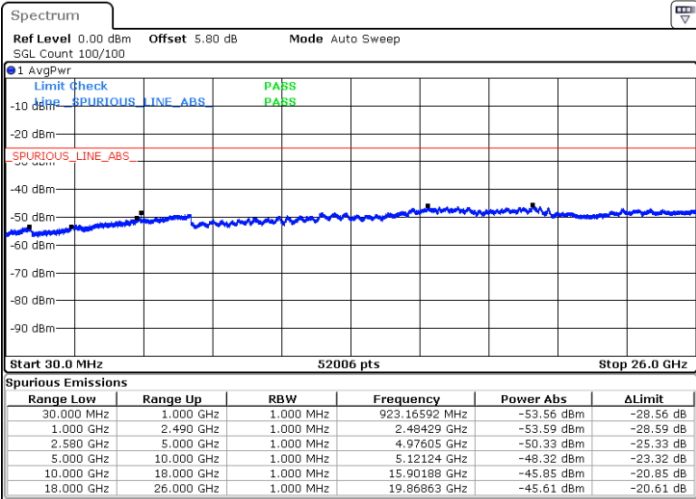


Date: 3 JAN 2020 14:45:17

Date: 3 JAN 2020 14:44:23

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 JAN 2020 14:46:11

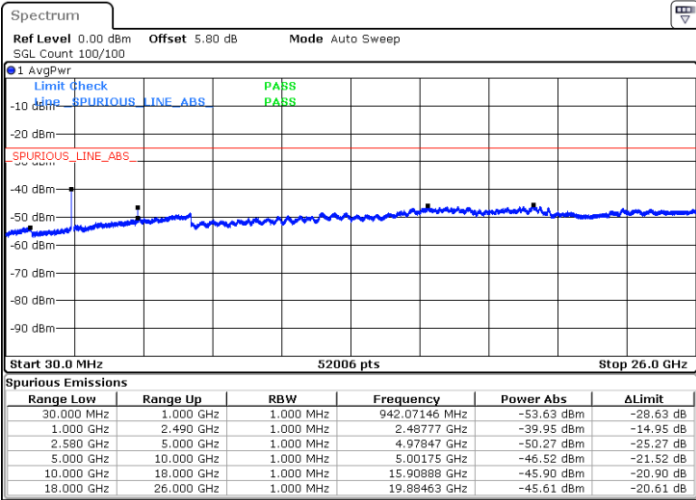
Date: 3 JAN 2020 14:47:04



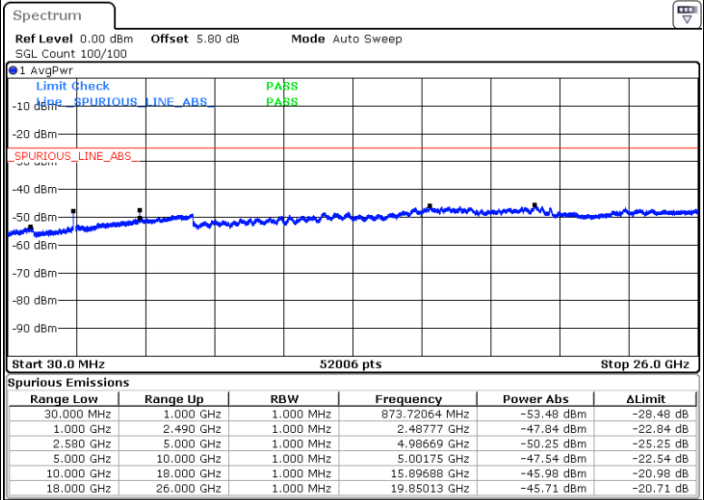
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



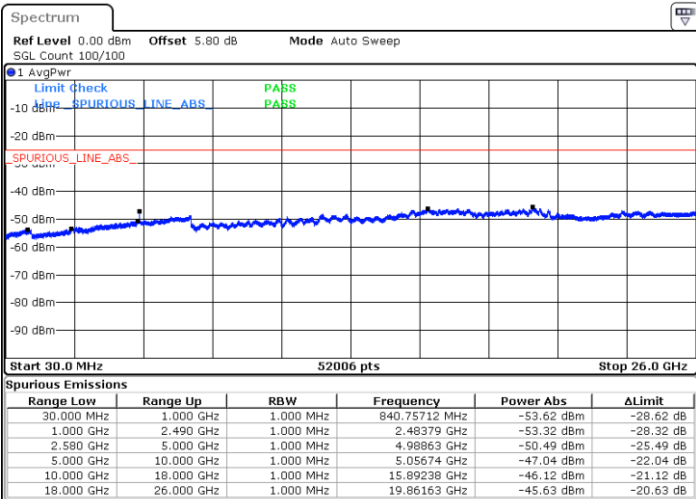
Date: 3. JAN 2020 14:59:04



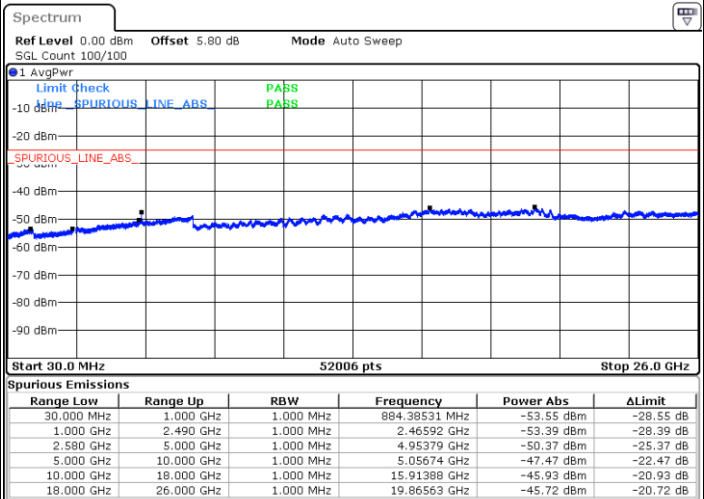
Date: 3. JAN 2020 14:59:58

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 3. JAN 2020 15:01:45

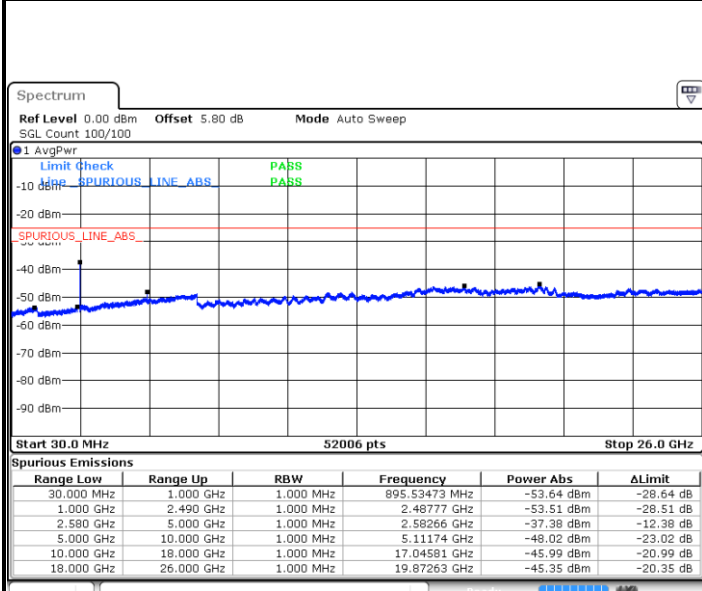


Date: 3. JAN 2020 15:00:52



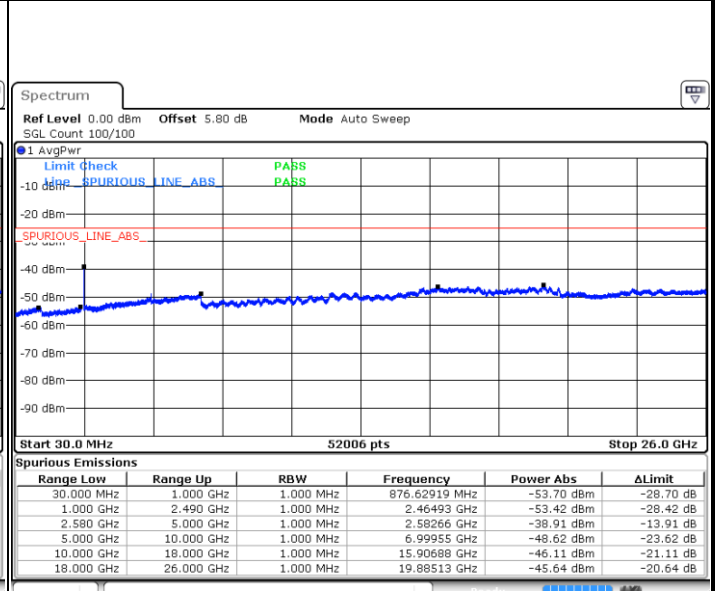
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 3 JAN 2020 15:02:39

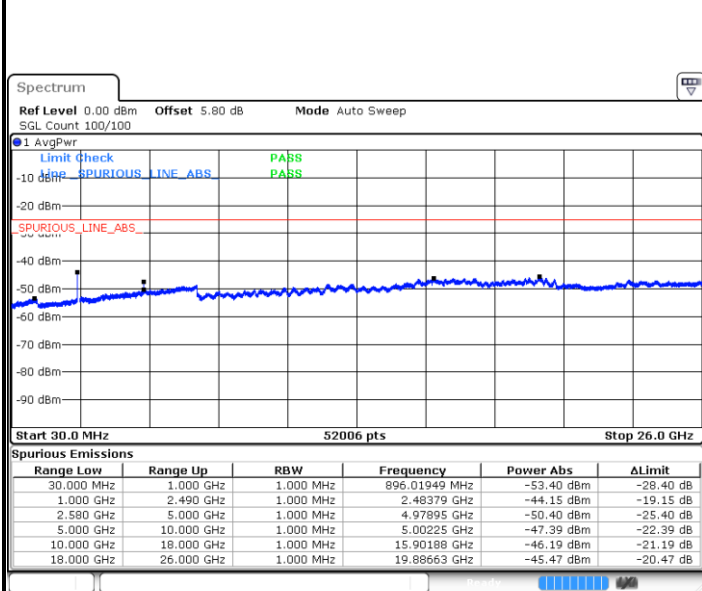
Highest Channel / 16QAM



Date: 3 JAN 2020 15:03:33

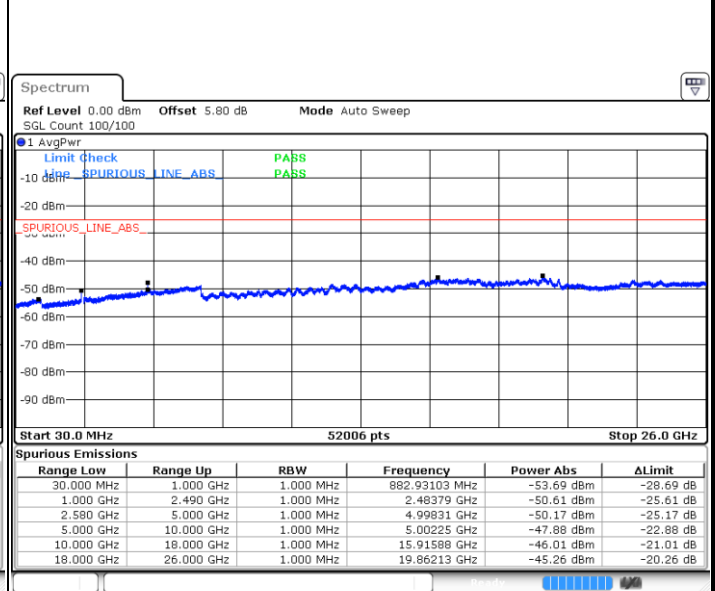
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 3 JAN 2020 15:15:32

Lowest Channel / 16QAM



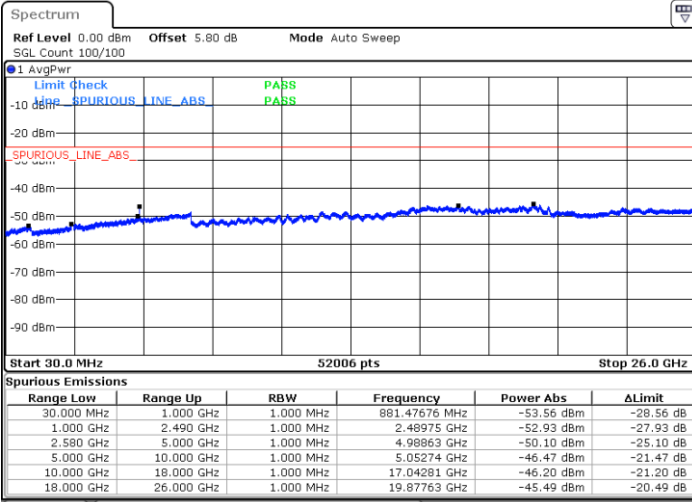
Date: 3 JAN 2020 15:16:26



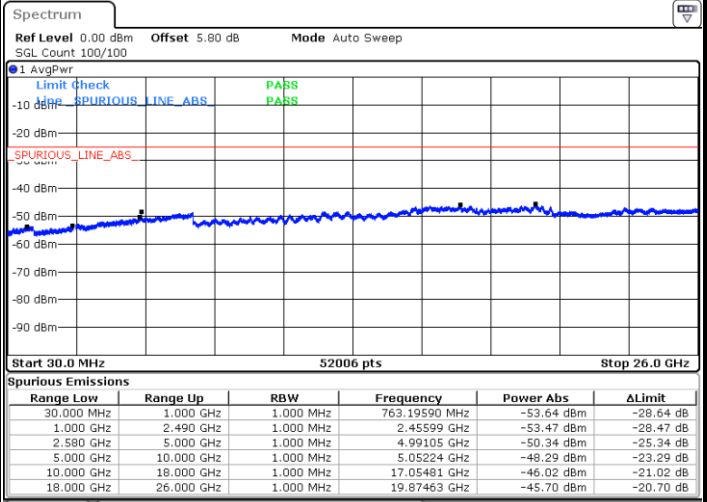
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



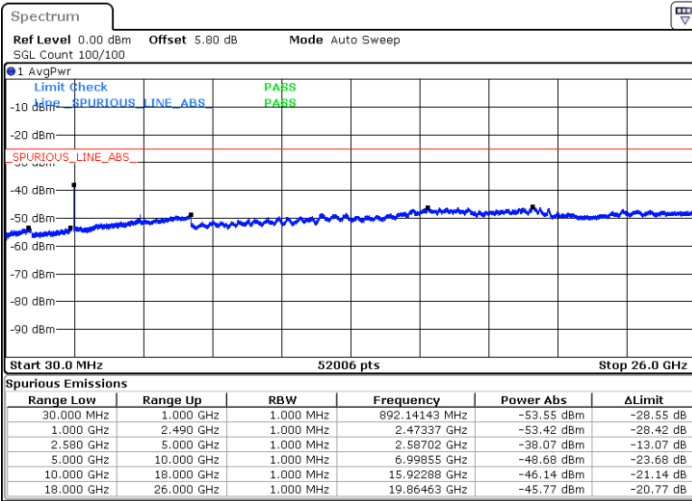
Date: 3 JAN 2020 15:18:14



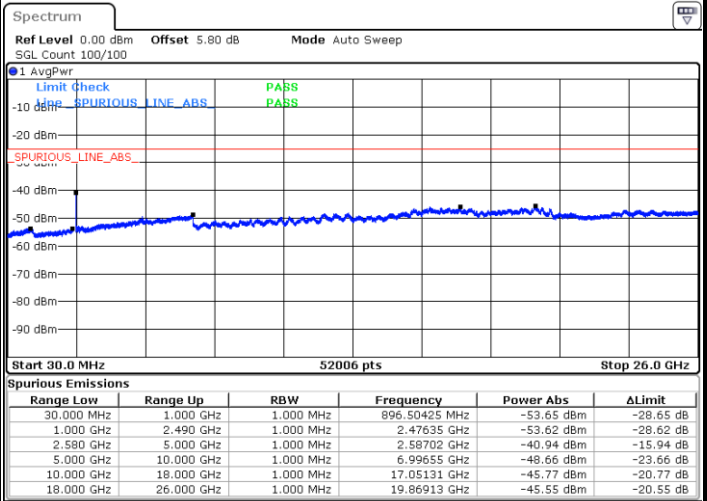
Date: 3 JAN 2020 15:17:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 JAN 2020 15:19:07



Date: 3 JAN 2020 15:20:01

**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	0.0023	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 7 / 20MHz / QPSK									
Channel	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)
Middle	5052	-55.66	-25	-30.66	-48.77	-65.87	3.03	13.24	H
	7580	-35.73	-25	-10.73	-35.82	-45.18	3.56	13.01	H
	10100	-41.50	-25	-16.50	-46.24	-51.02	3.92	13.44	H
	5052	-51.79	-25	-26.79	-45.33	-62.00	3.03	13.24	V
	7580	-38.46	-25	-13.46	-39.14	-47.91	3.56	13.01	V
	10100	-43.22	-25	-18.22	-47.16	-52.74	3.92	13.44	V

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