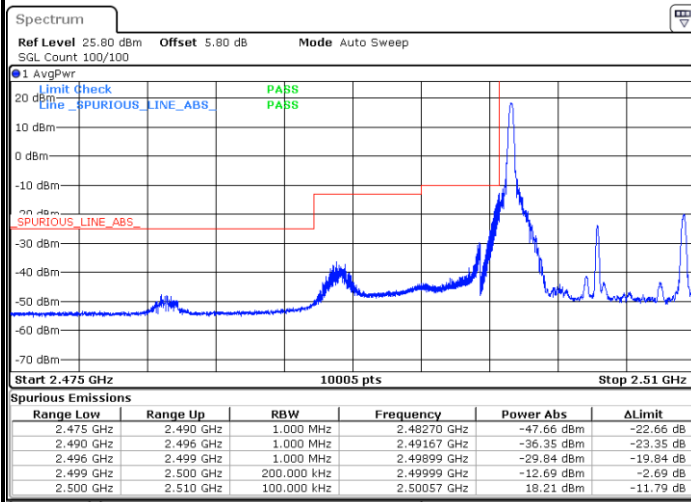


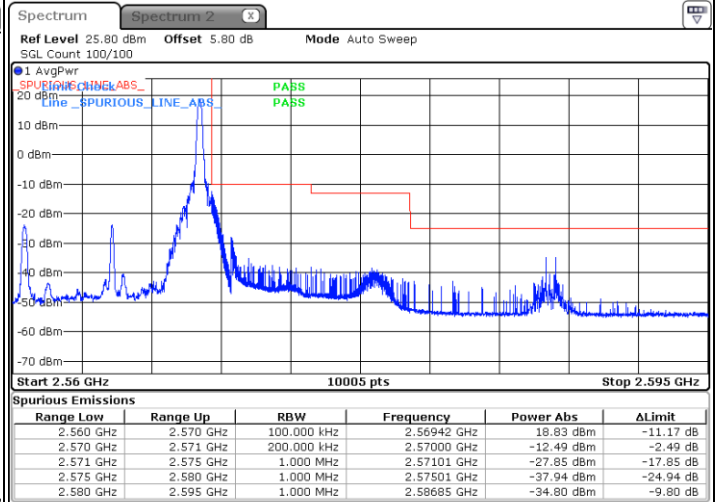


LTE Band 7 / 10MHz / 16QAM

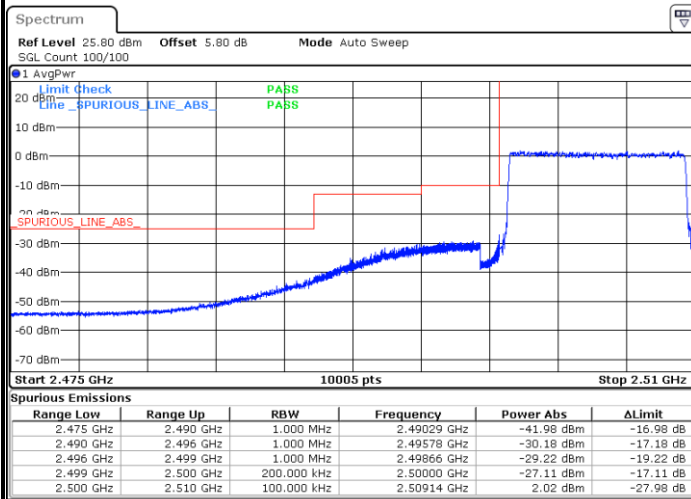
Lowest Band Edge / 1 RB



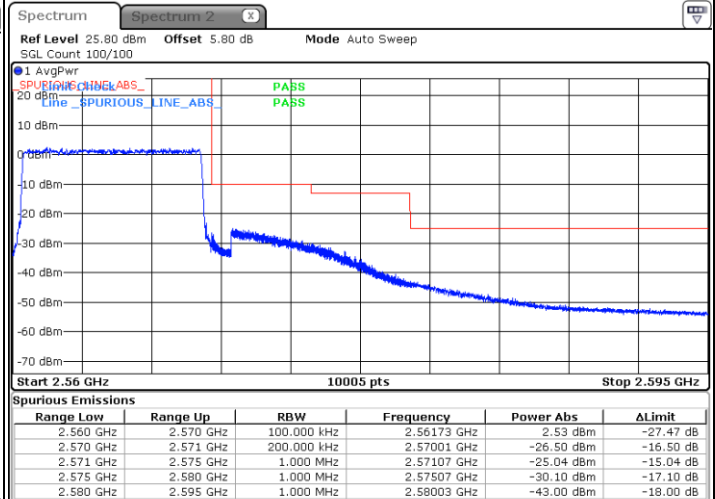
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



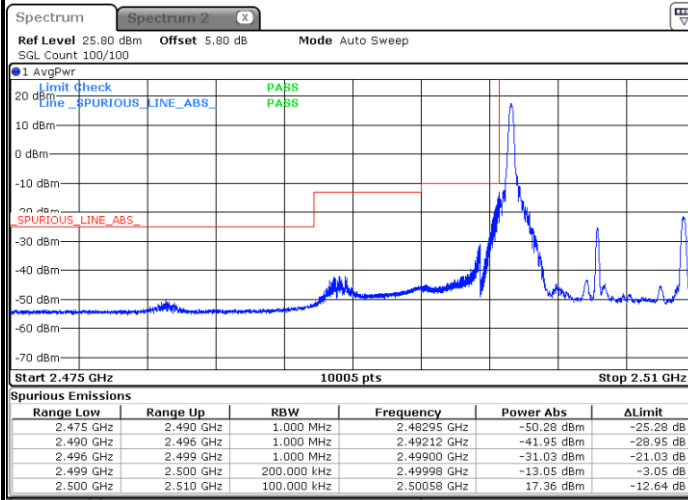
Highest Band Edge / Full RB



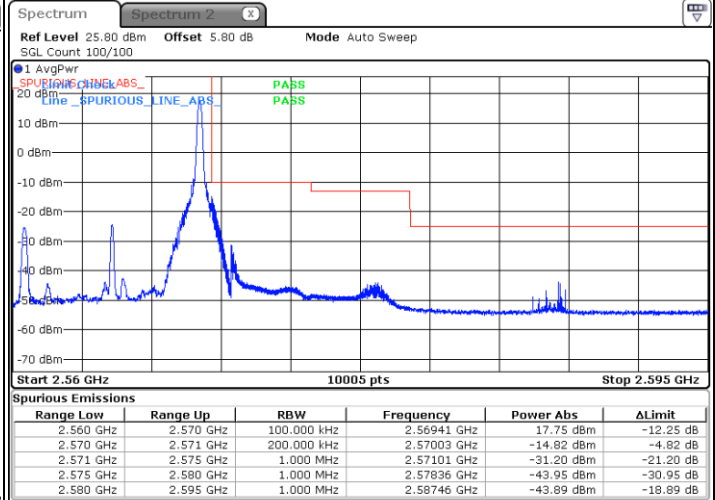


LTE Band 7 / 10MHz / 64QAM

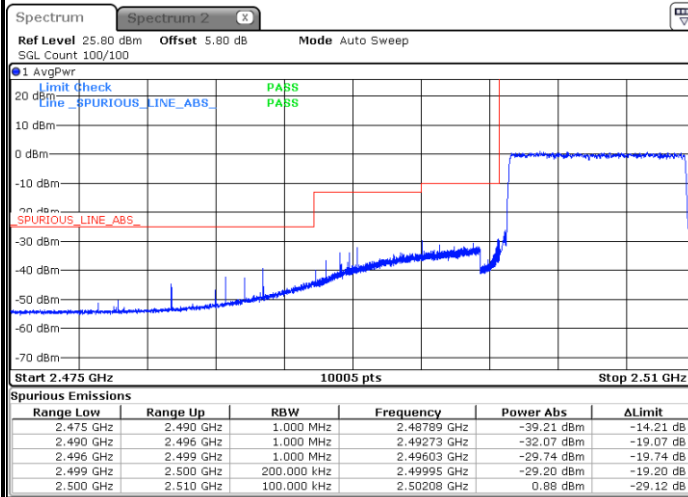
Lowest Band Edge / 1 RB



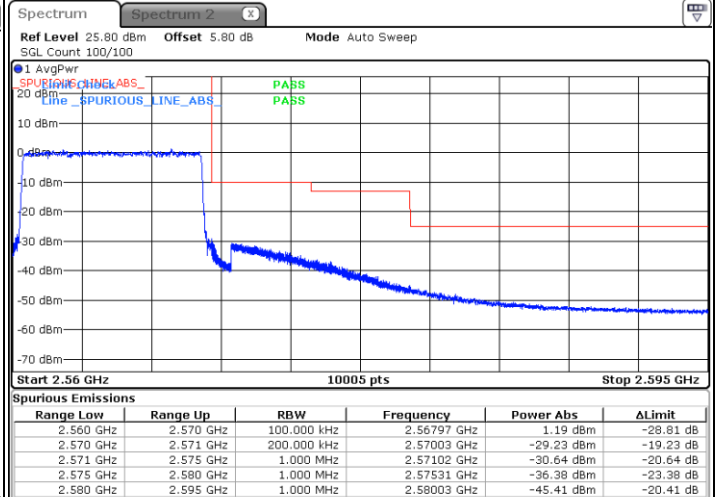
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



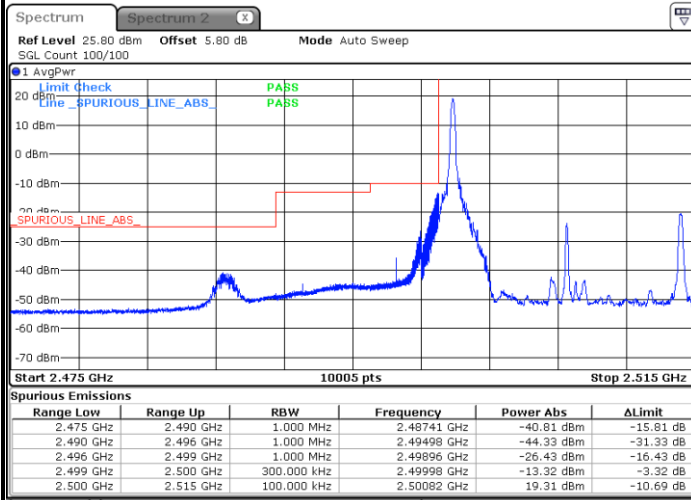
Highest Band Edge / Full RB





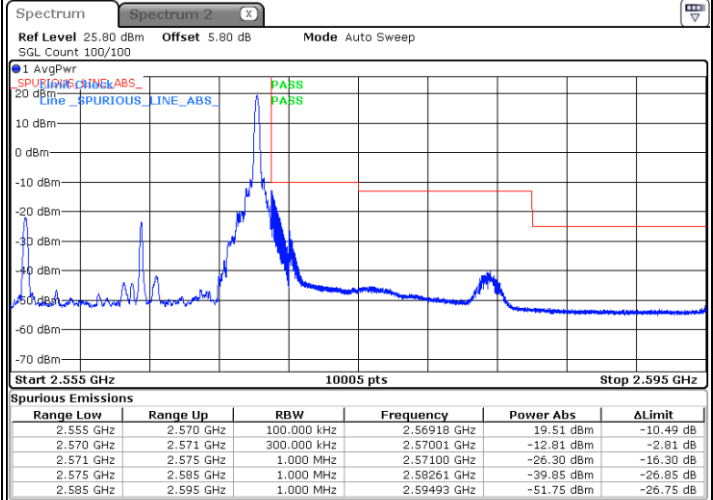
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



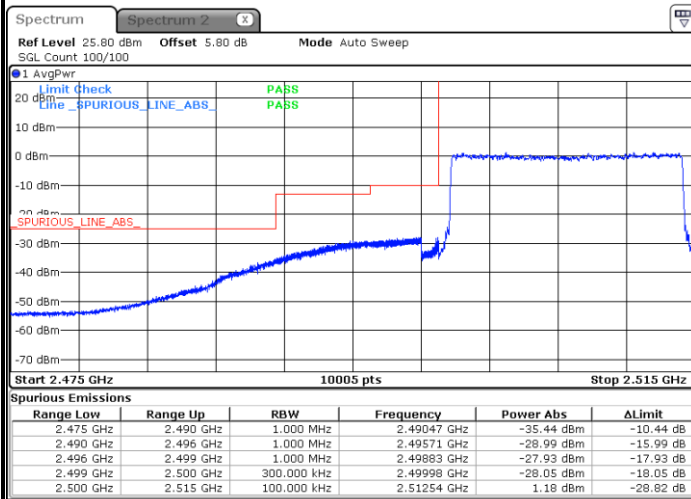
Date: 31.MAR.2020 13:28:37

Highest Band Edge / 1 RB



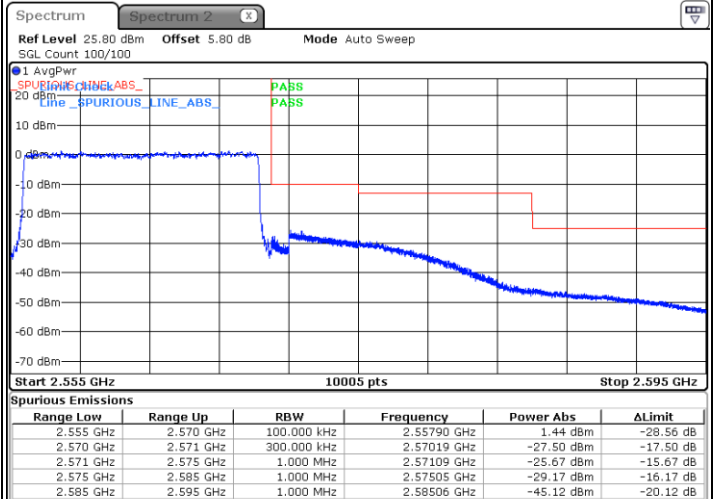
Date: 31.MAR.2020 13:34:34

Lowest Band Edge / Full RB



Date: 31.MAR.2020 13:30:01

Highest Band Edge / Full RB

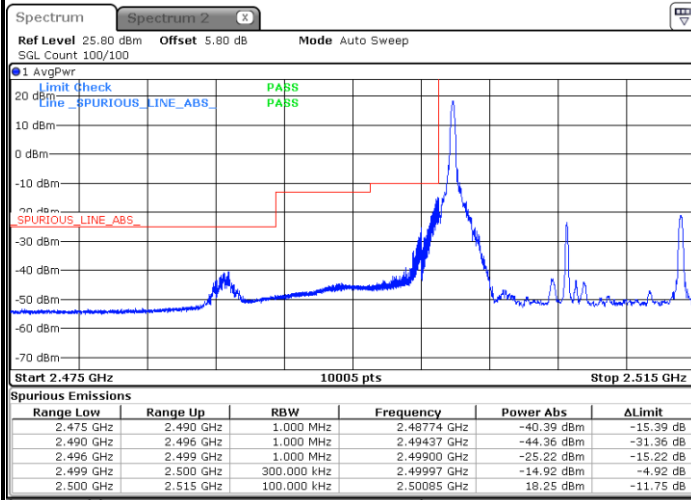


Date: 31.MAR.2020 13:31:10

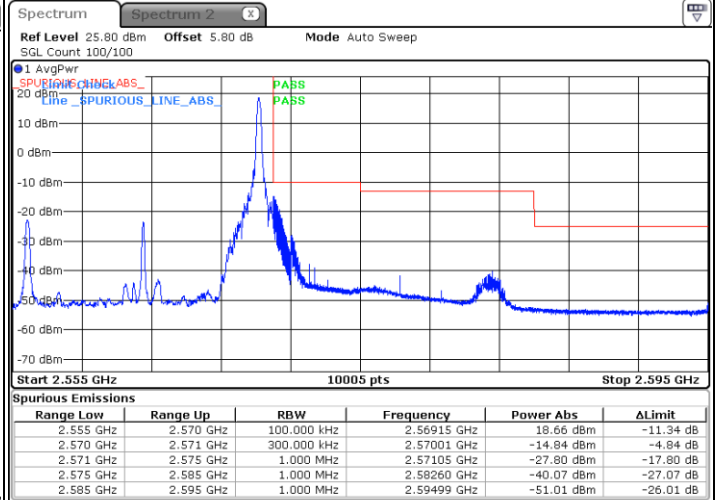


LTE Band 7 / 15MHz / 16QAM

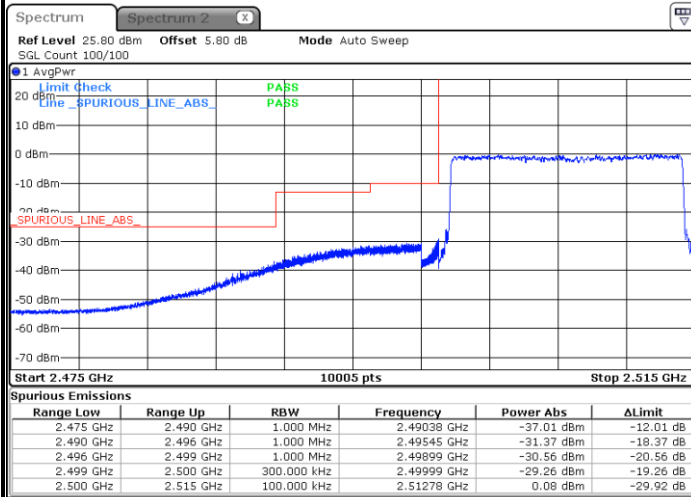
Lowest Band Edge / 1 RB



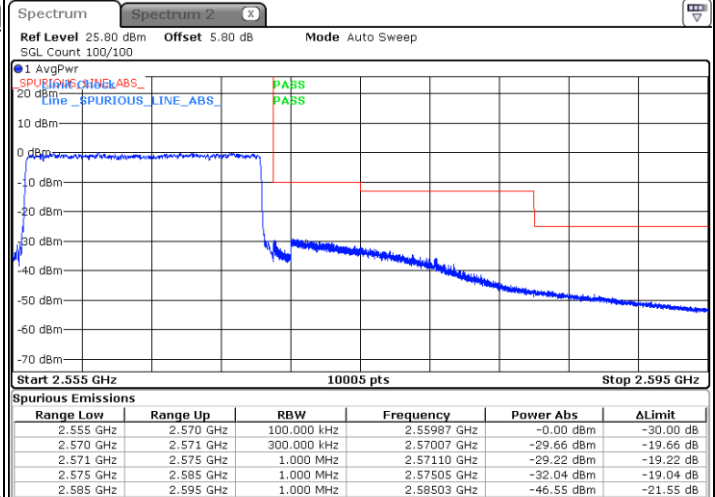
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



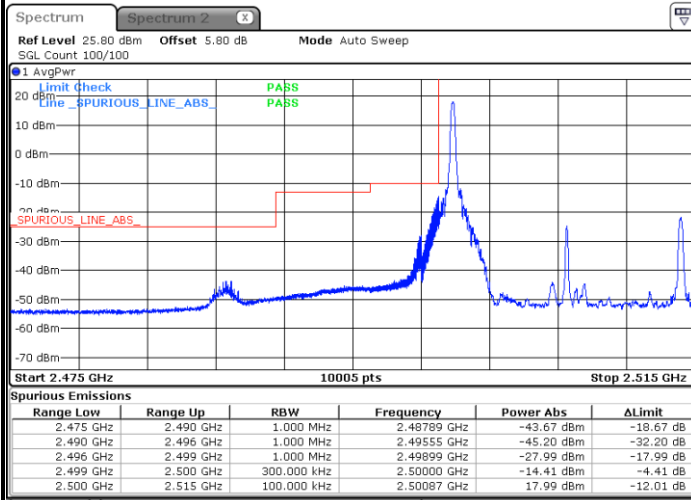
Highest Band Edge / Full RB



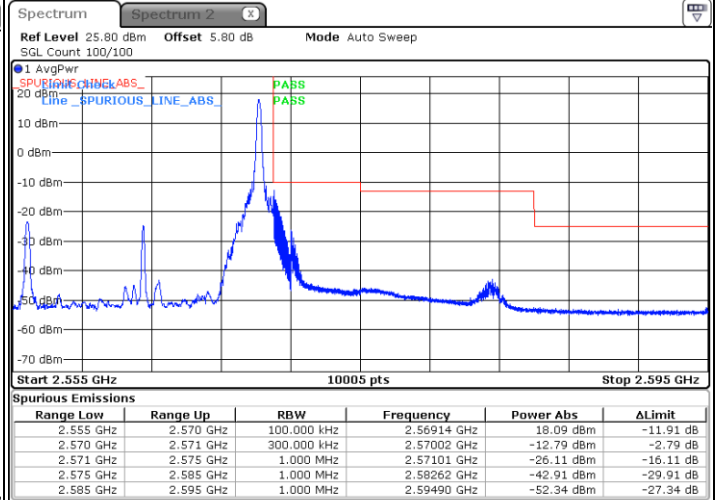


LTE Band 7 / 15MHz / 64QAM

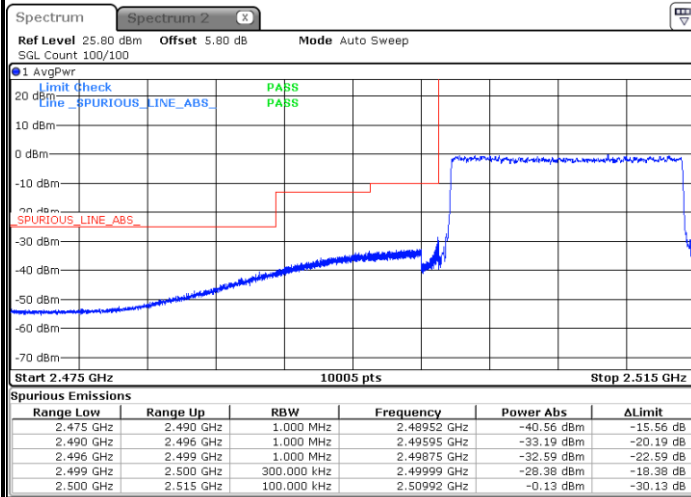
Lowest Band Edge / 1 RB



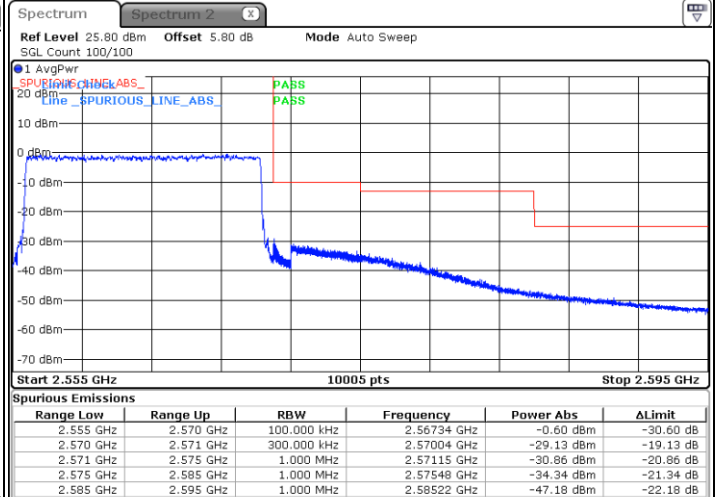
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



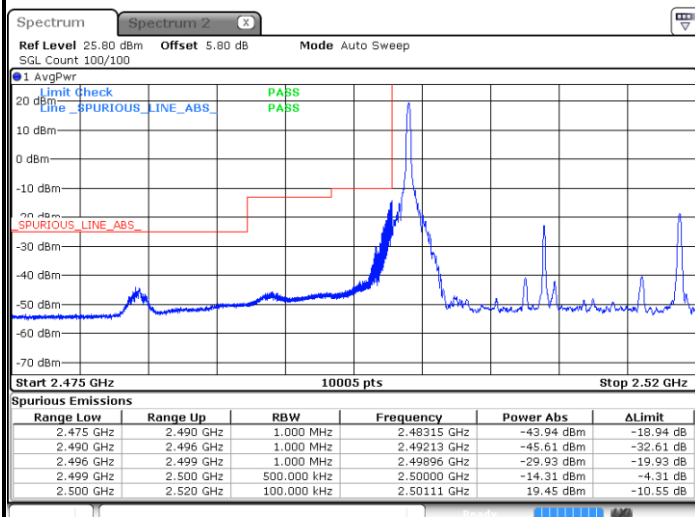
Highest Band Edge / Full RB



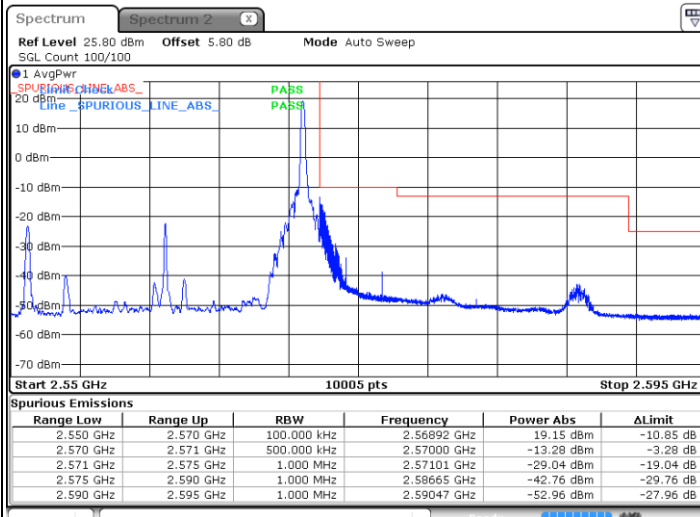


LTE Band 7 / 20MHz / QPSK

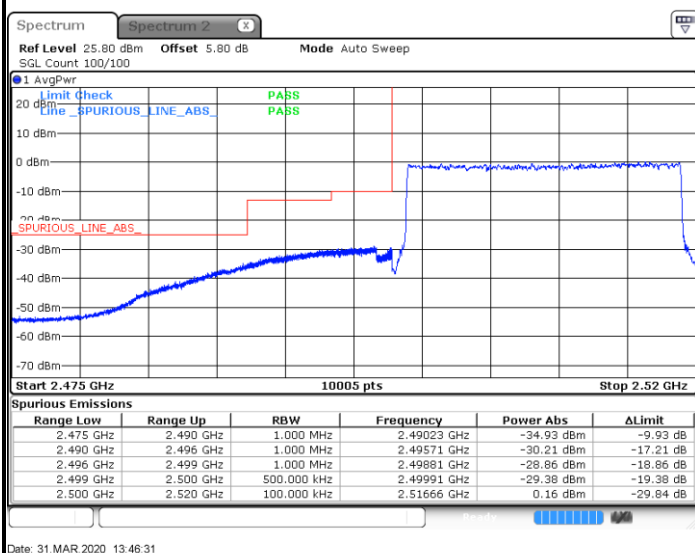
Lowest Band Edge / 1 RB



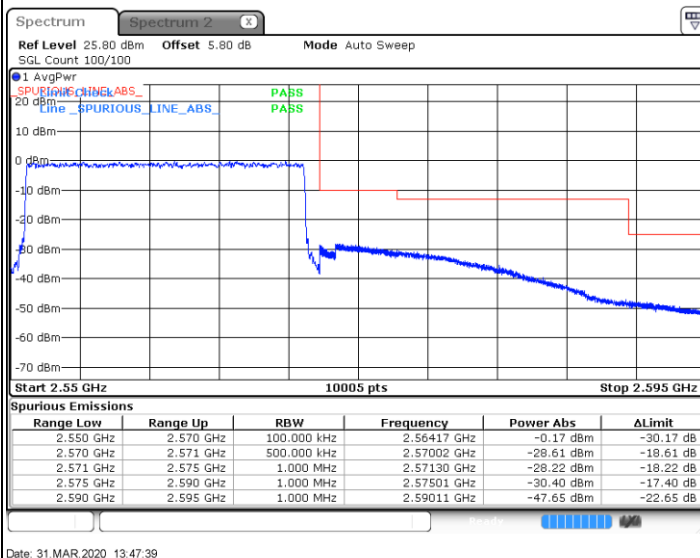
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



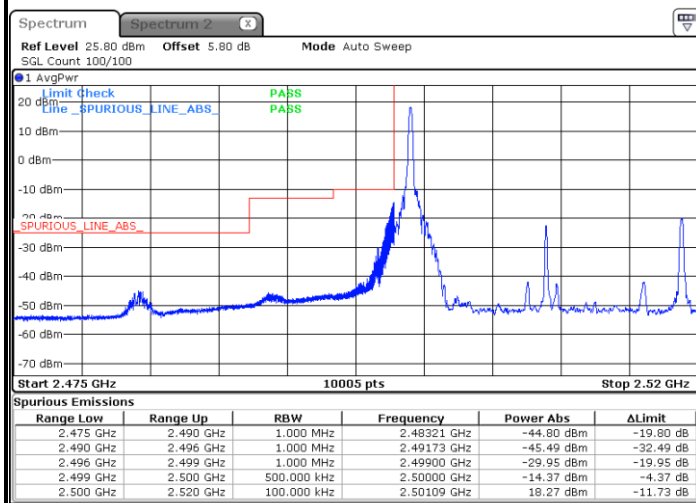
Highest Band Edge / Full RB



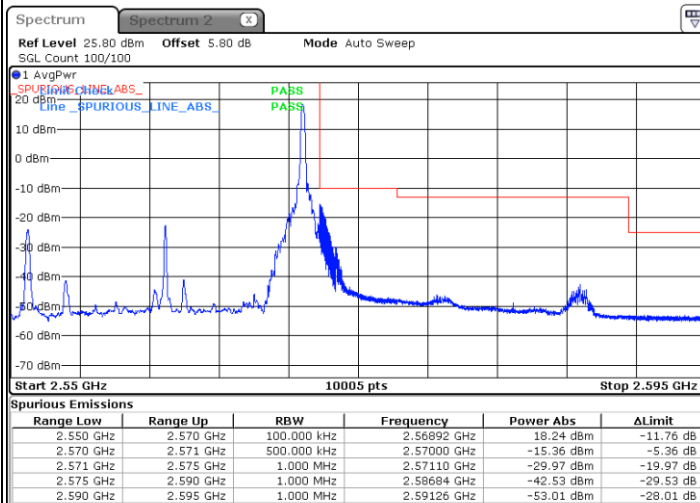


LTE Band 7 / 20MHz / 16QAM

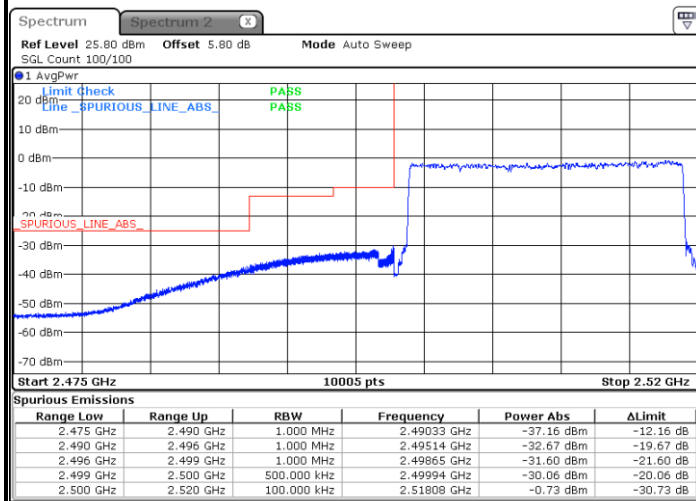
Lowest Band Edge / 1 RB



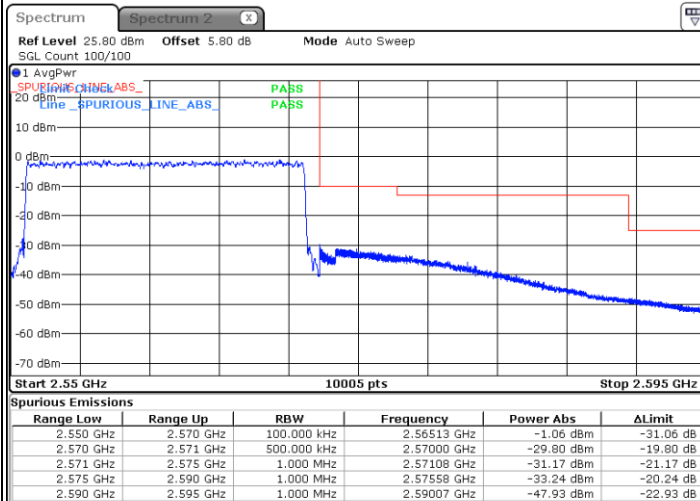
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



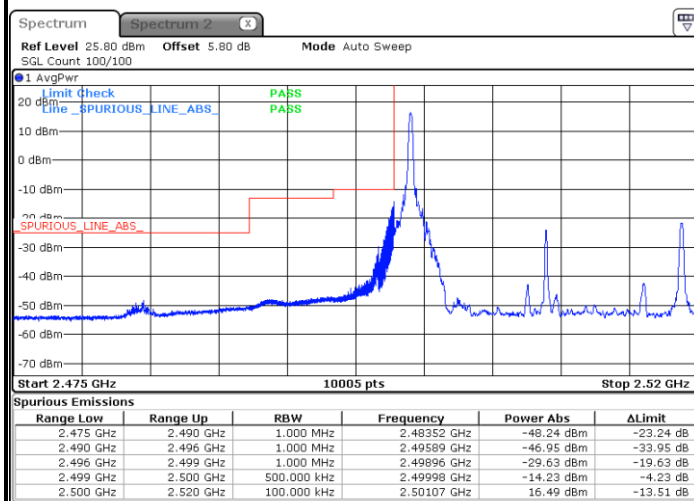
Highest Band Edge / Full RB



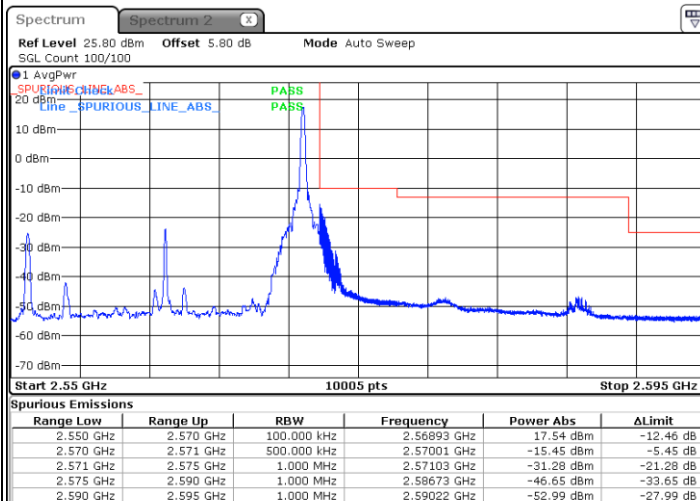


LTE Band 7 / 20MHz / 64QAM

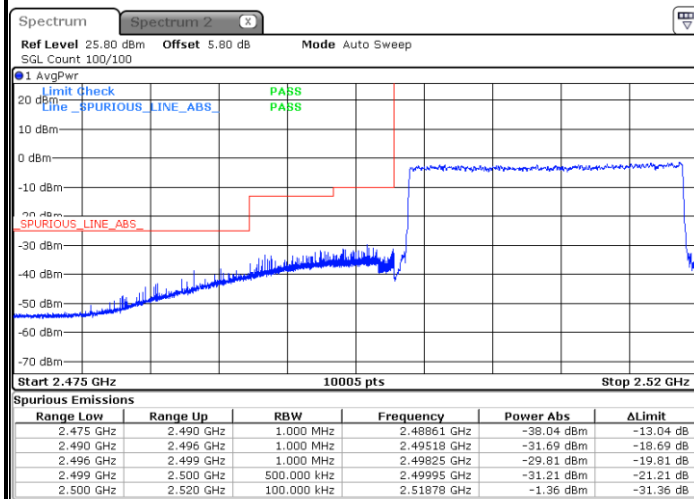
Lowest Band Edge / 1 RB



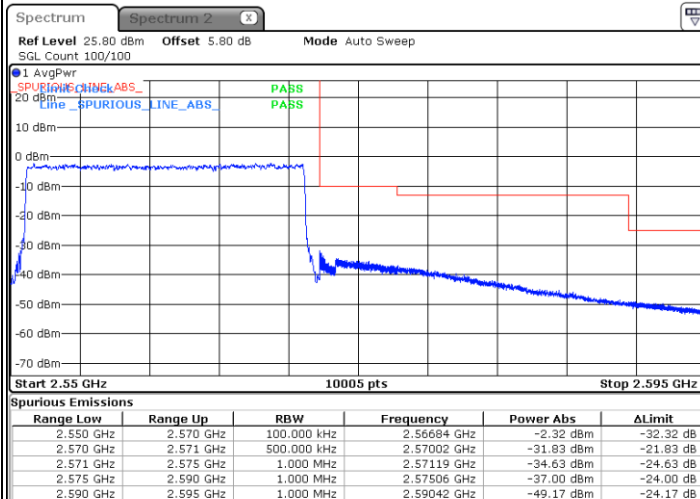
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



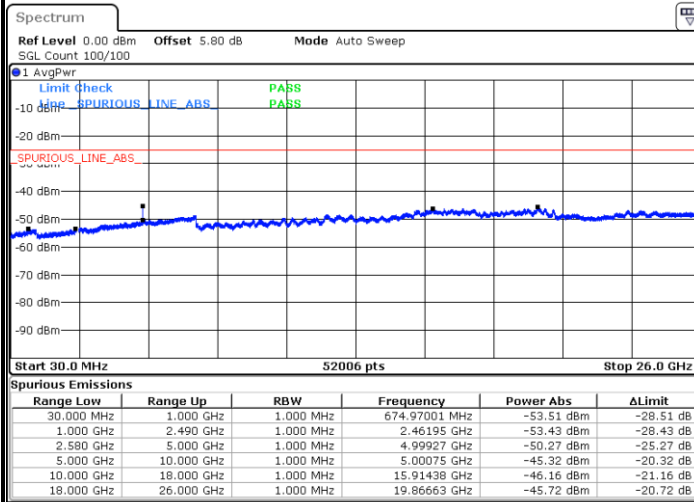


Conducted Spurious Emission



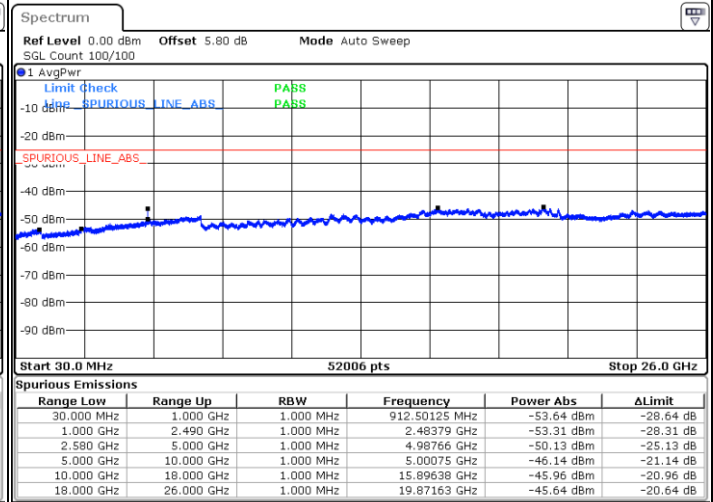
LTE Band 7 / 5MHz

Lowest Channel / QPSK



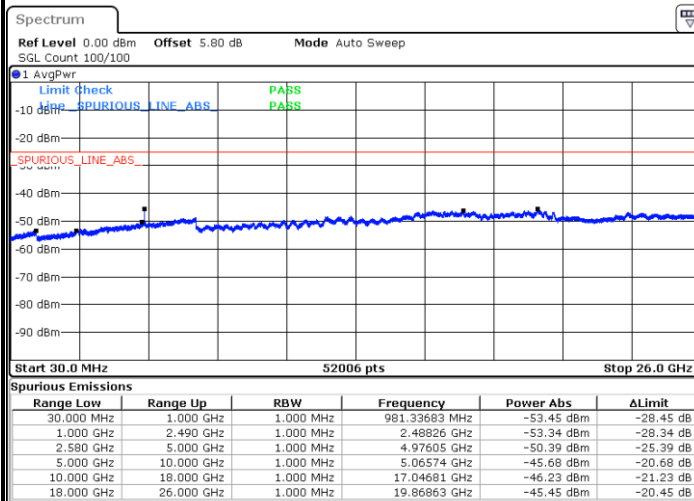
Date: 31 MAR 2020 12:45:34

Lowest Channel / 16QAM



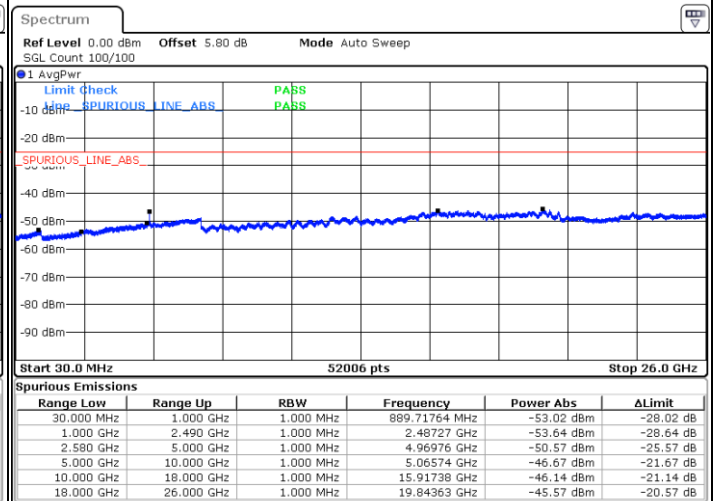
Date: 31 MAR 2020 12:46:28

Middle Channel / QPSK



Date: 31 MAR 2020 12:48:16

Middle Channel / 16QAM

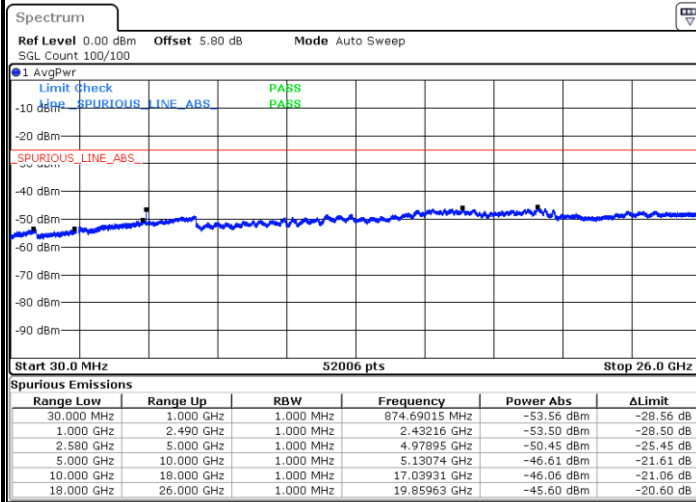


Date: 31 MAR 2020 12:47:22



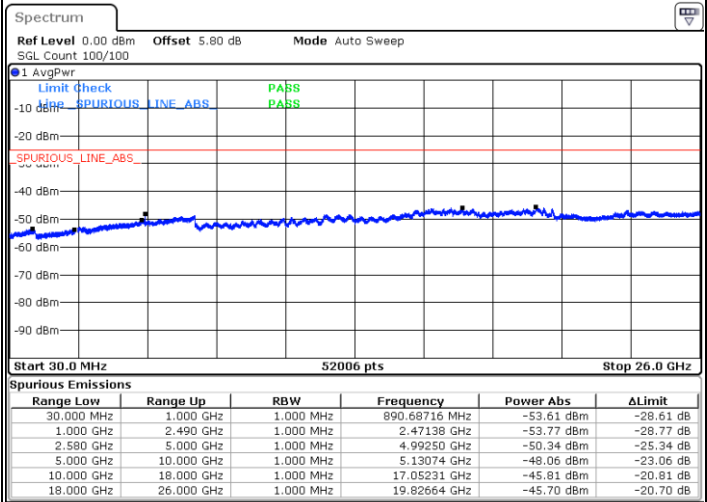
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 31 MAR 2020 12:49:10

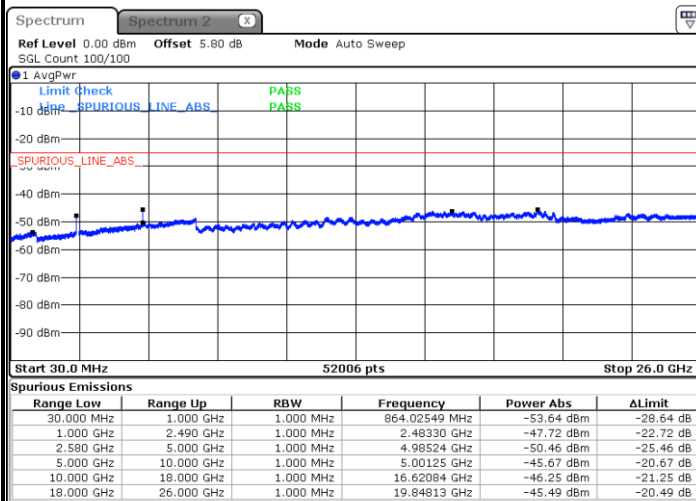
Highest Channel / 16QAM



Date: 31 MAR 2020 12:50:04

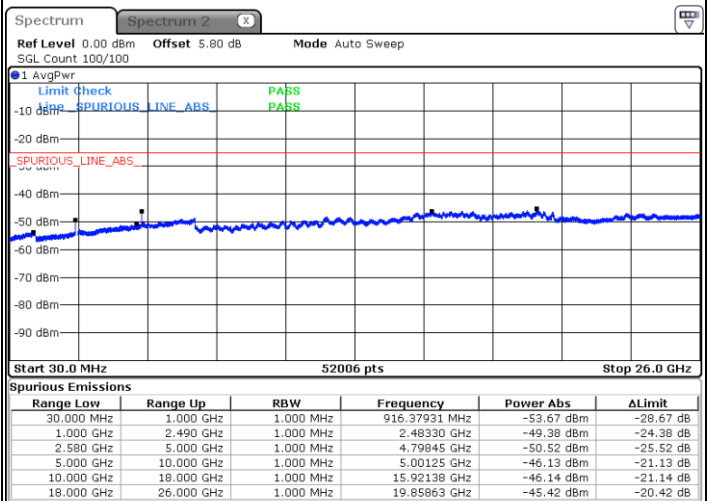
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 31 MAR 2020 13:18:57

Lowest Channel / 16QAM

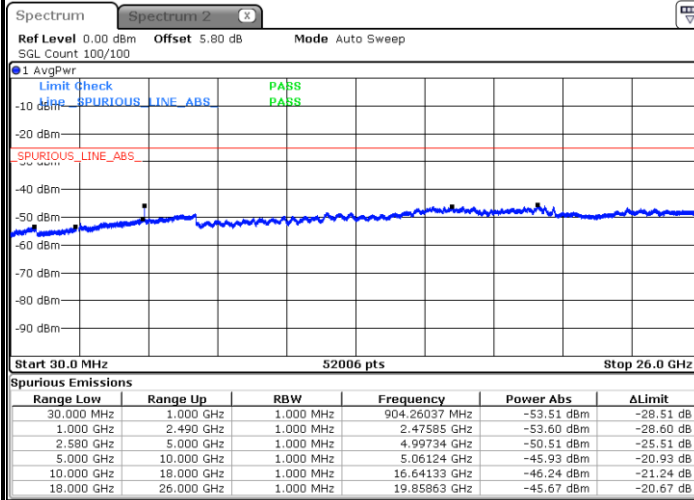


Date: 31 MAR 2020 13:19:51



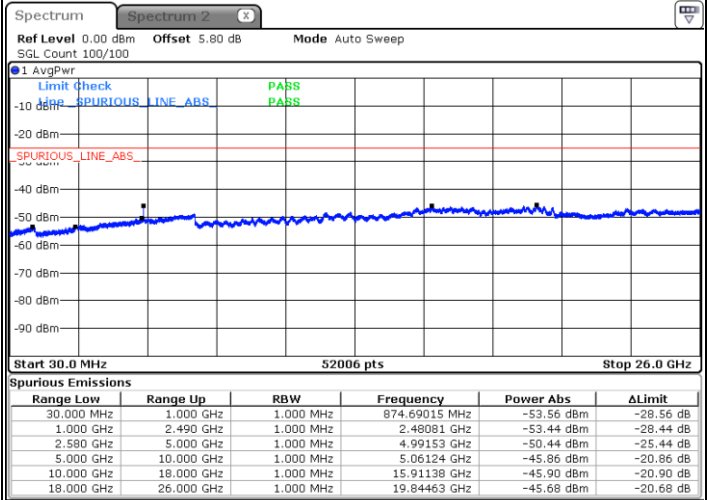
LTE Band 7 / 10MHz

Middle Channel / QPSK



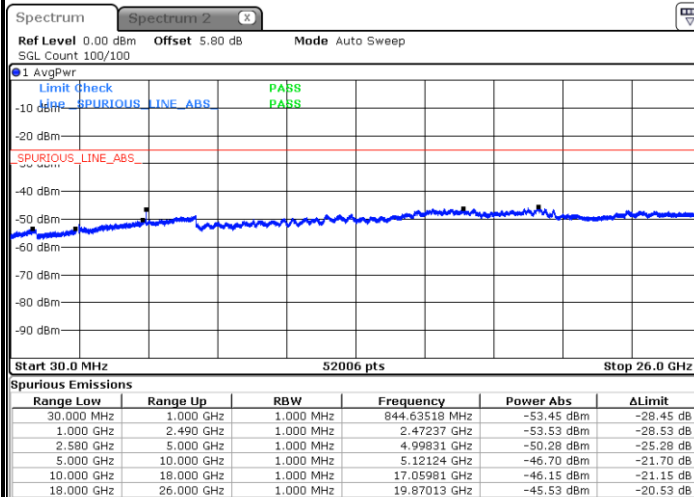
Date: 31 MAR 2020 13:21:39

Middle Channel / 16QAM



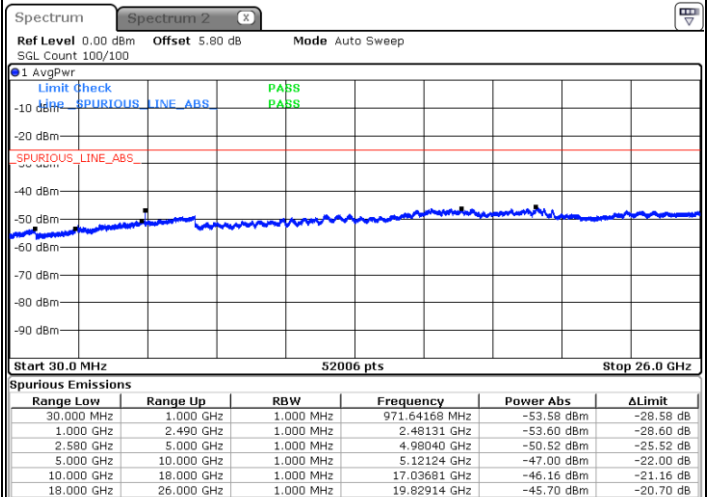
Date: 31 MAR 2020 13:20:45

Highest Channel / QPSK



Date: 31 MAR 2020 13:22:33

Highest Channel / 16QAM

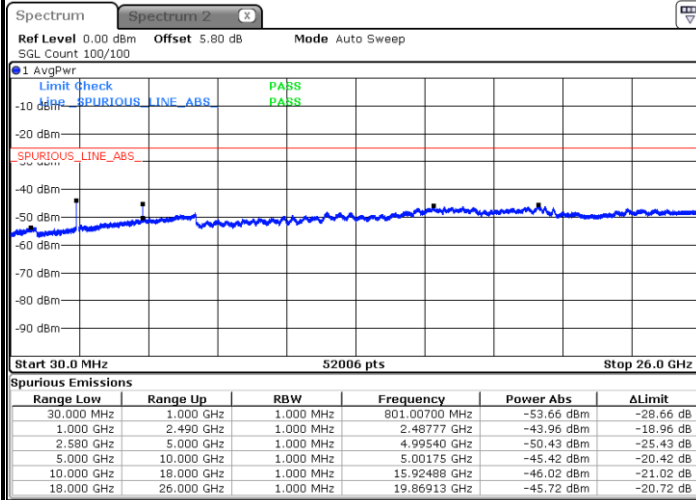


Date: 31 MAR 2020 13:23:27



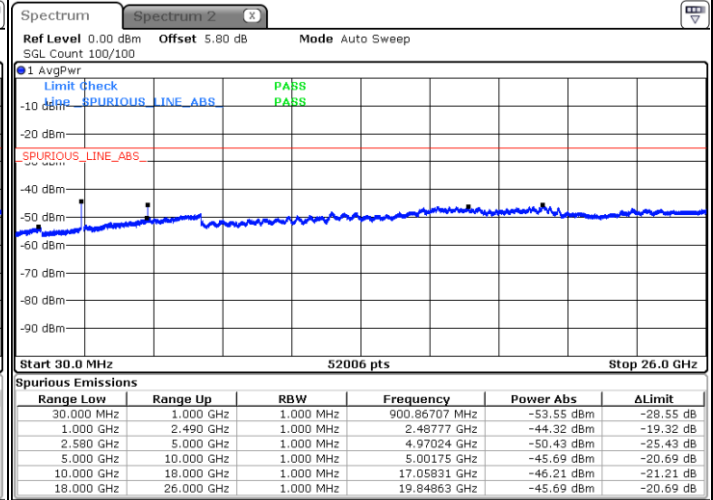
LTE Band 7 / 15MHz

Lowest Channel / QPSK



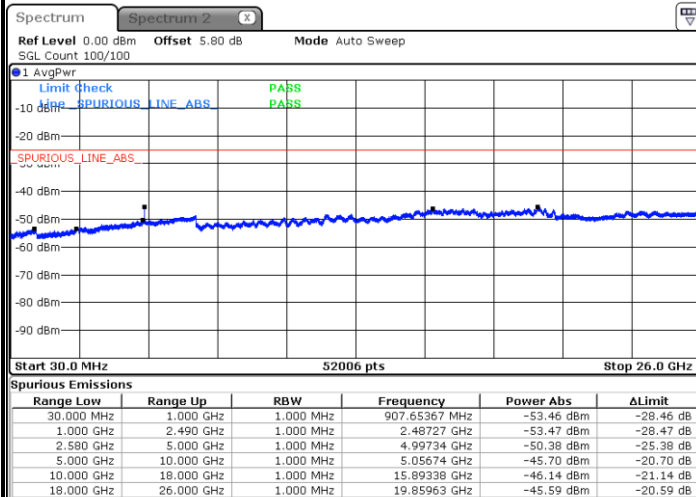
Date: 31 MAR 2020 13:35:27

Lowest Channel / 16QAM



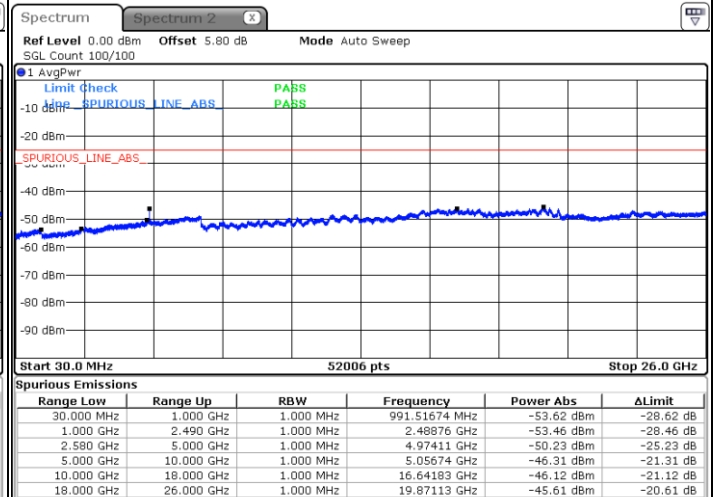
Date: 31 MAR 2020 13:36:21

Middle Channel / QPSK



Date: 31 MAR 2020 13:38:08

Middle Channel / 16QAM

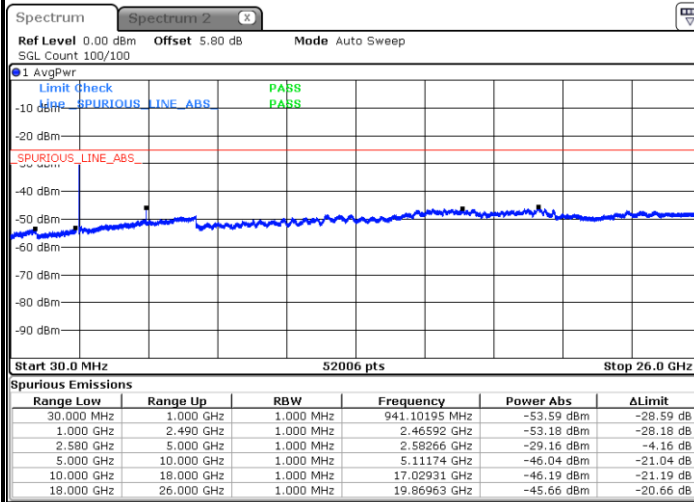


Date: 31 MAR 2020 13:37:15



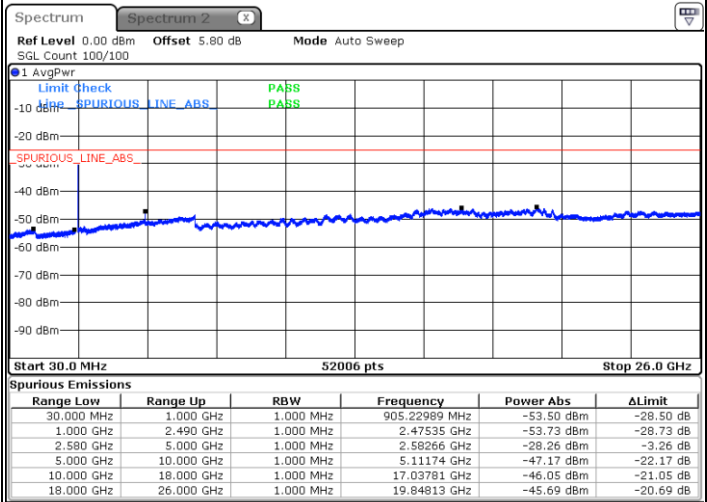
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 31 MAR 2020 13:39:02

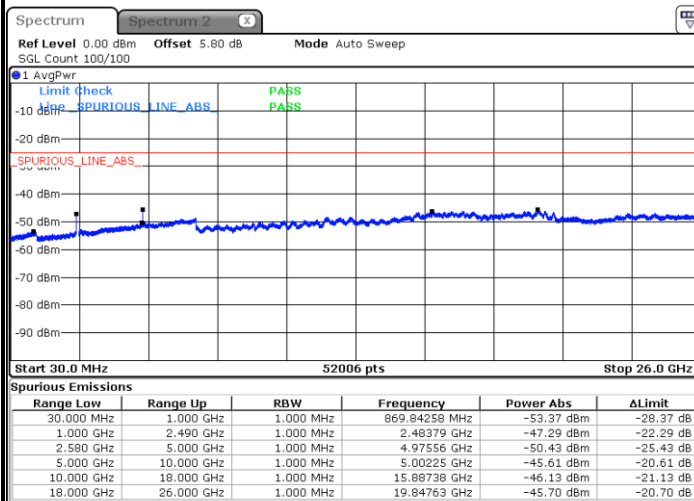
Highest Channel / 16QAM



Date: 31 MAR 2020 13:39:56

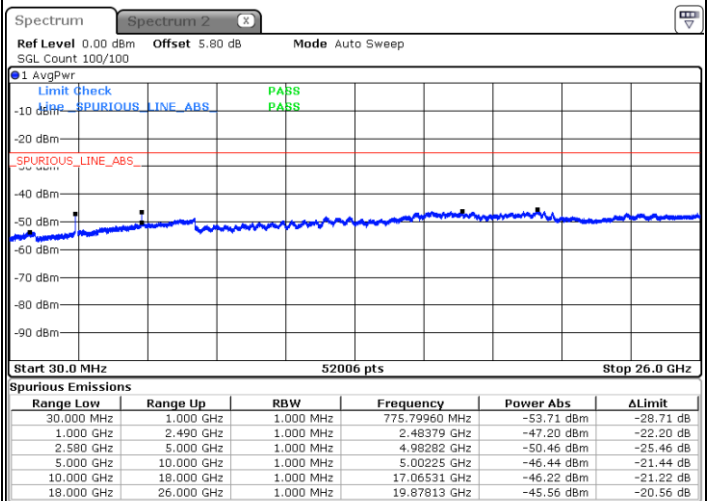
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 31 MAR 2020 13:51:56

Lowest Channel / 16QAM

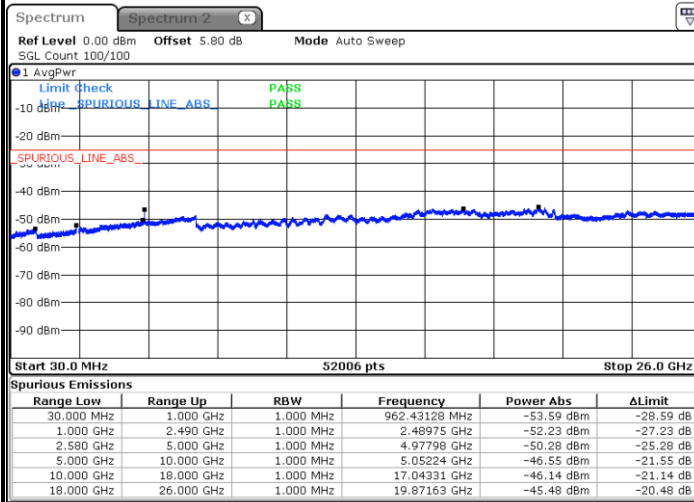


Date: 31 MAR 2020 13:52:50



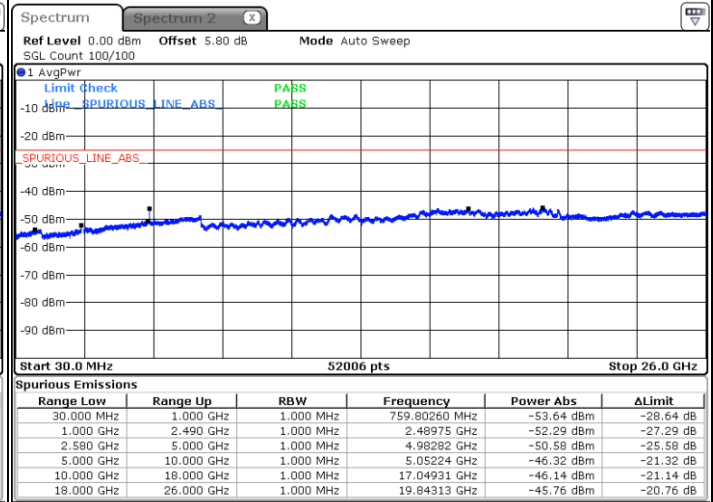
LTE Band 7 / 20MHz

Middle Channel / QPSK



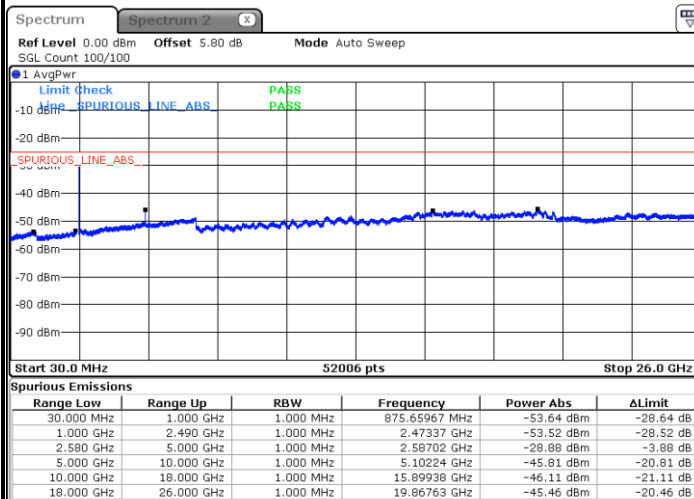
Date: 31 MAR 2020 13:54:38

Middle Channel / 16QAM



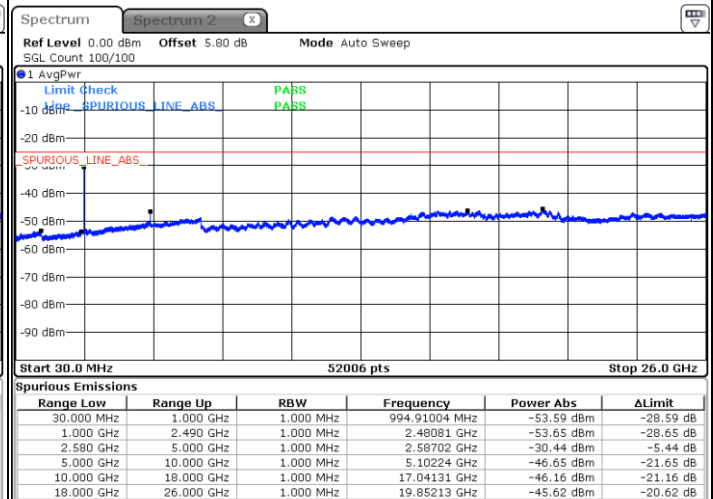
Date: 31 MAR 2020 13:53:44

Highest Channel / QPSK



Date: 31 MAR 2020 13:55:32

Highest Channel / 16QAM

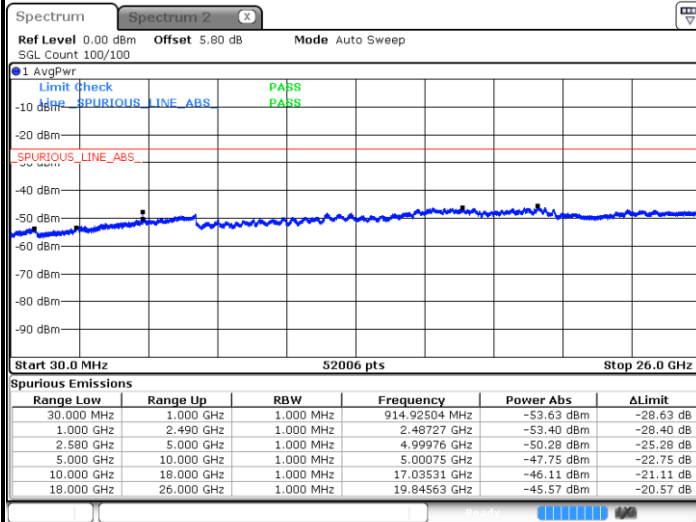


Date: 31 MAR 2020 13:56:26



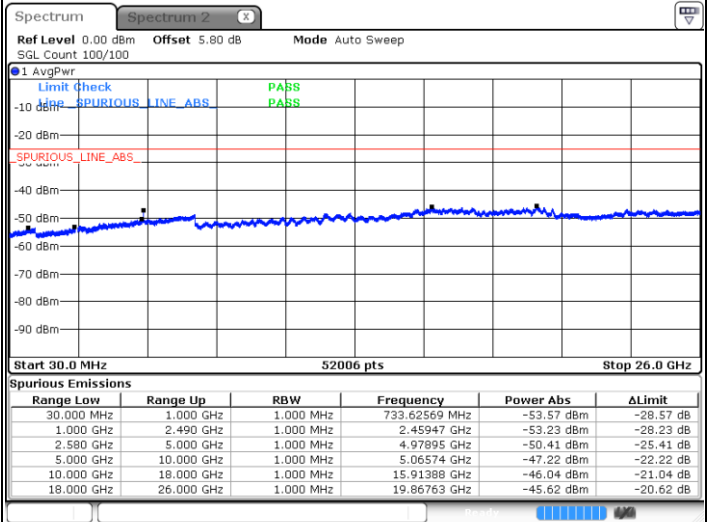
LTE Band 7 / 5MHz

Lowest Channel / 64QAM



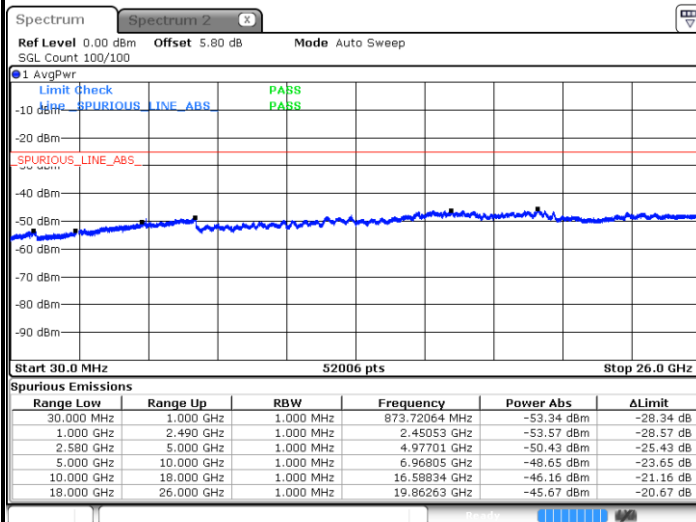
Date: 31 MAR 2020 13:58:20

Middle Channel / 64QAM



Date: 31 MAR 2020 13:59:14

Highest Channel / 64QAM

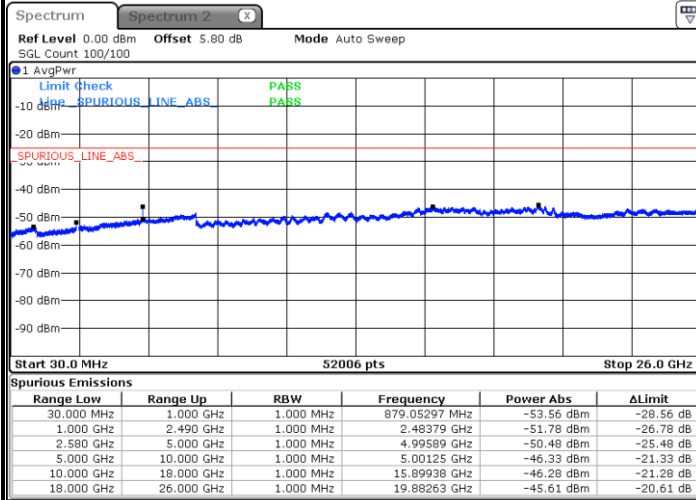


Date: 31 MAR 2020 14:00:08



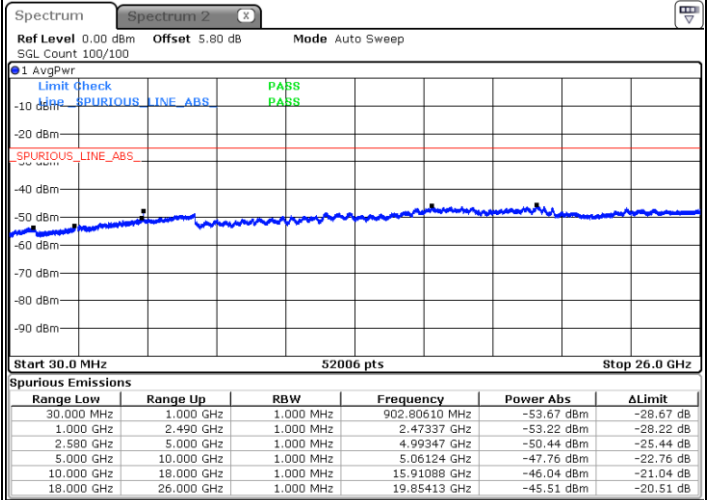
LTE Band 7 / 10MHz

Lowest Channel / 64QAM



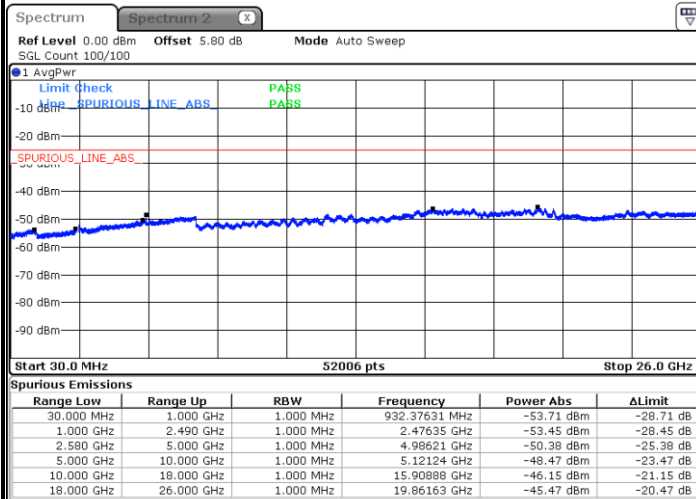
Date: 31 MAR 2020 14:06:35

Middle Channel / 64QAM



Date: 31 MAR 2020 14:07:29

Highest Channel / 64QAM

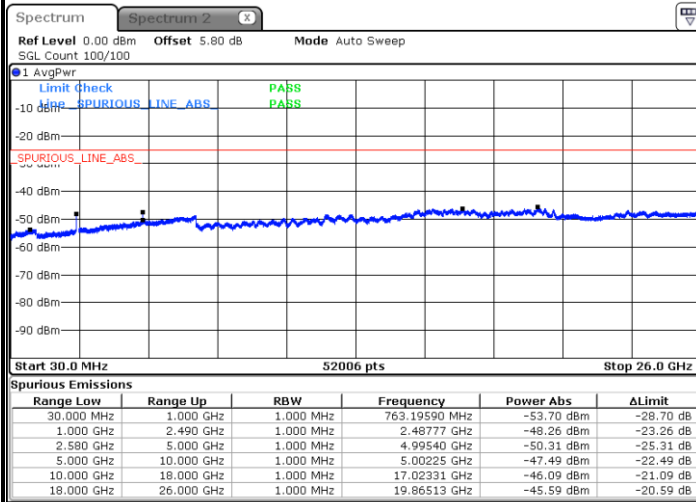


Date: 31 MAR 2020 14:08:23



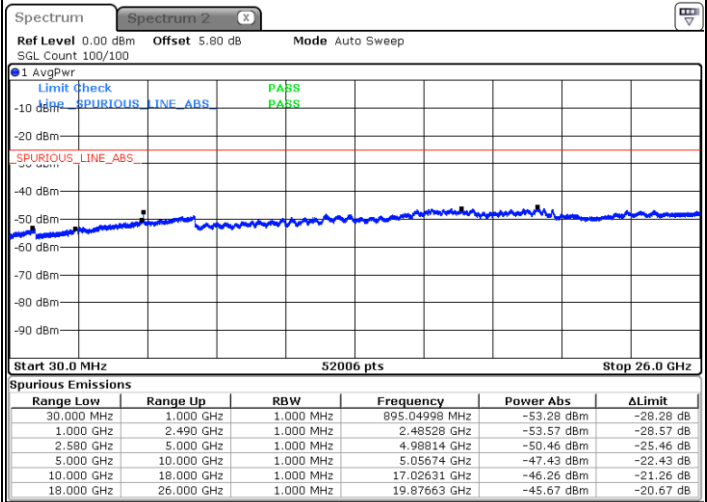
LTE Band 7 / 15MHz

Lowest Channel / 64QAM



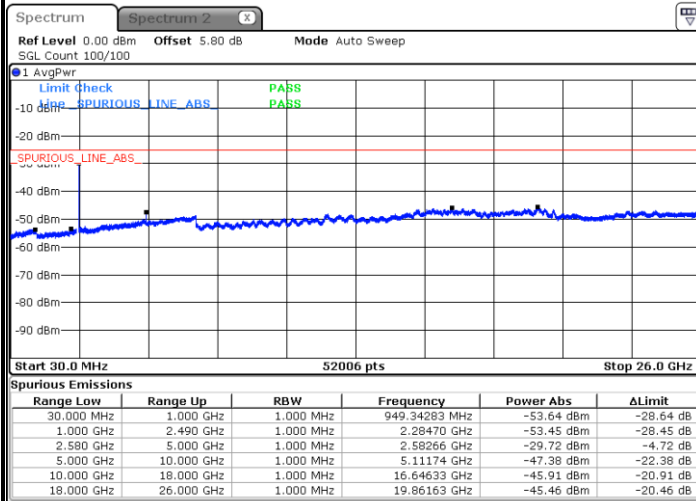
Date: 31 MAR 2020 14:26:01

Middle Channel / 64QAM



Date: 31 MAR 2020 14:26:55

Highest Channel / 64QAM

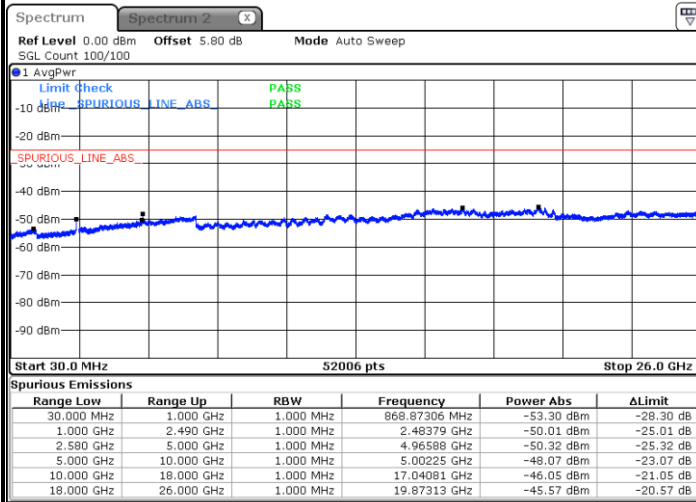


Date: 31 MAR 2020 14:27:49



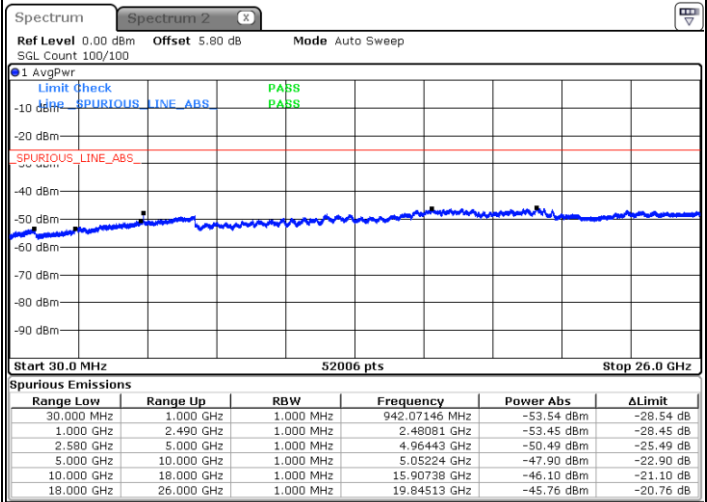
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



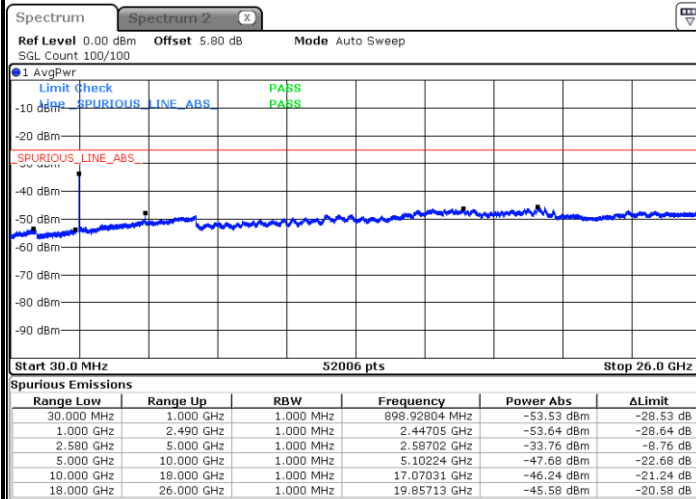
Date: 31 MAR 2020 14:34:16

Middle Channel / 64QAM



Date: 31 MAR 2020 14:35:10

Highest Channel / 64QAM



Date: 31 MAR 2020 14:36:04

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	0.0019	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

**Radiated Spurious Emission**

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	-61.82	-25	-36.82	-72.03	3.03	13.24	H
	7580	-48.62	-25	-23.62	-58.07	3.56	13.01	H
	10100	-53.32	-25	-28.32	-62.84	3.92	13.44	H
	5052	-61.61	-25	-36.61	-71.82	3.03	13.24	V
	7580	-51.42	-25	-26.42	-60.87	3.56	13.01	V
	10100	-55.36	-25	-30.36	-64.88	3.92	13.44	V

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