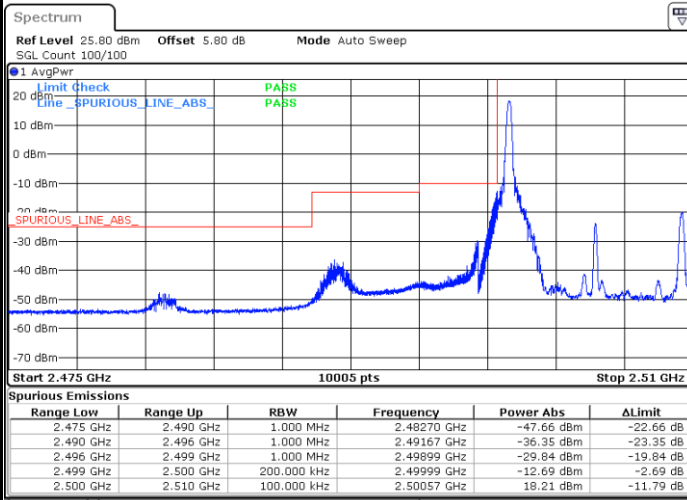




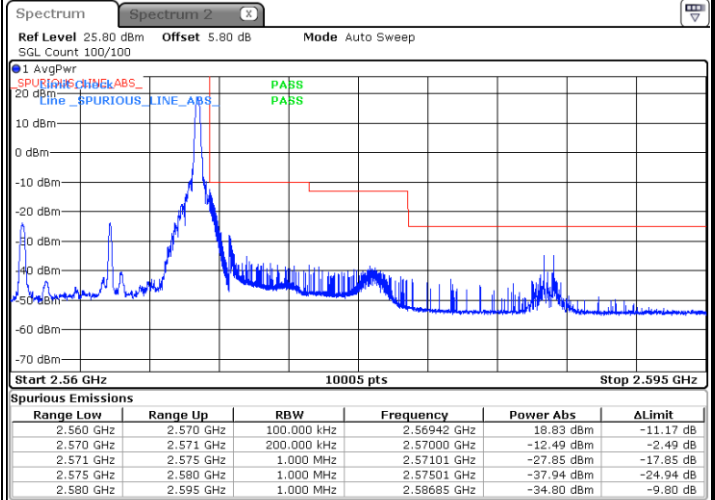
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



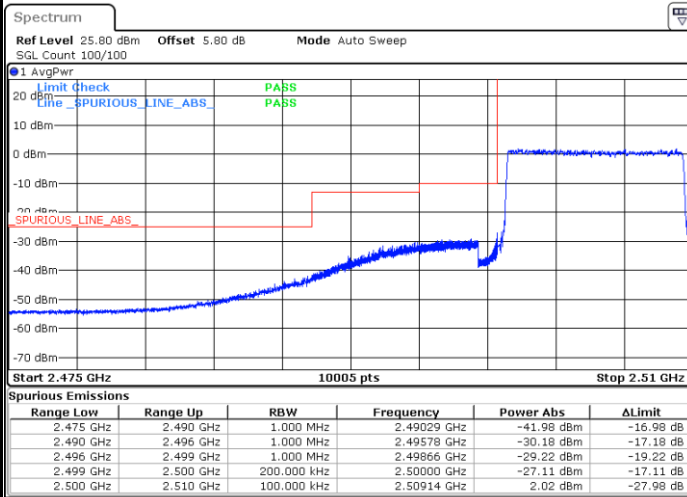
Date: 31.MAR.2020 12:54:21

Highest Band Edge / 1 RB



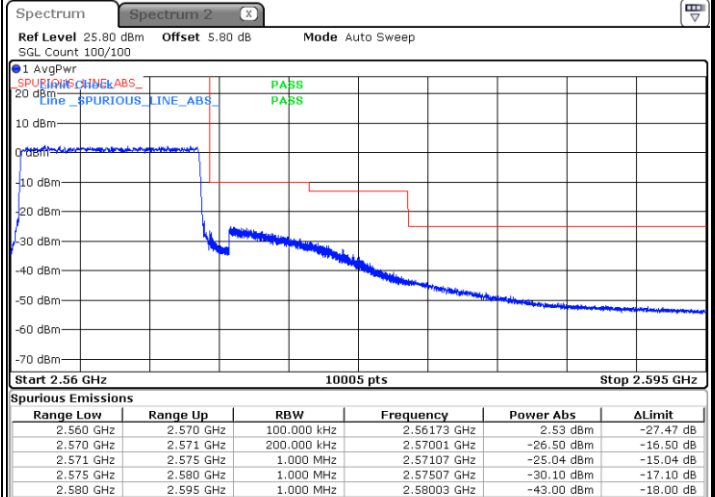
Date: 31.MAR.2020 13:16:56

Lowest Band Edge / Full RB



Date: 31.MAR.2020 12:55:29

Highest Band Edge / Full RB

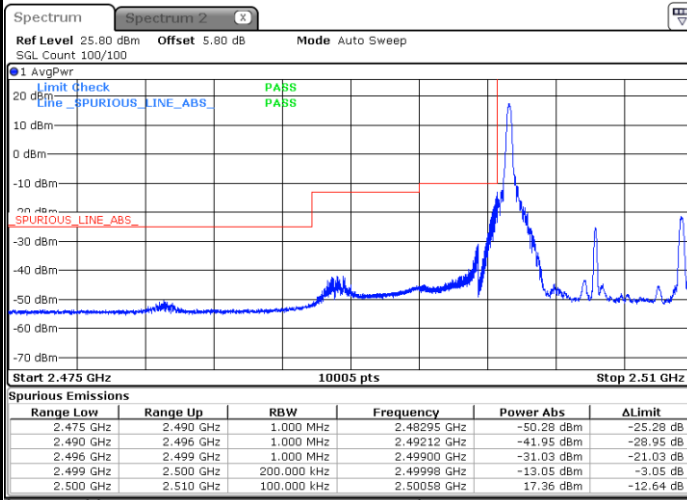


Date: 31.MAR.2020 13:15:48



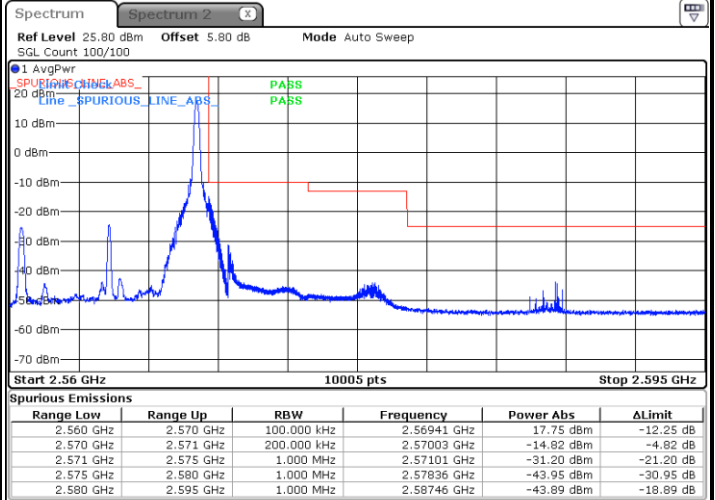
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



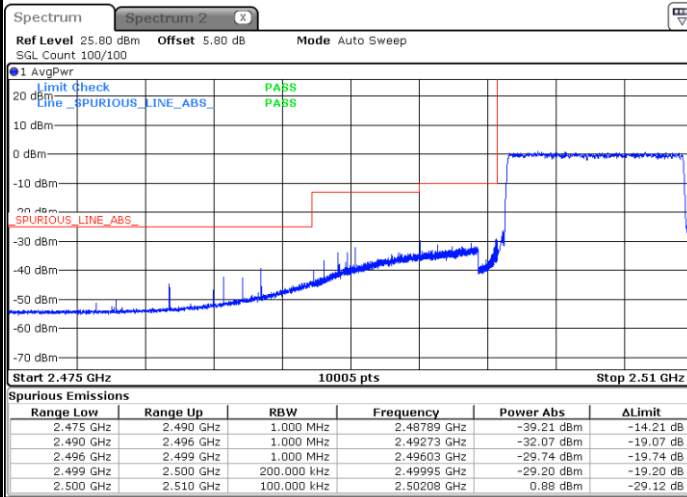
Date: 31.MAR.2020 14:09:32

Highest Band Edge / 1 RB



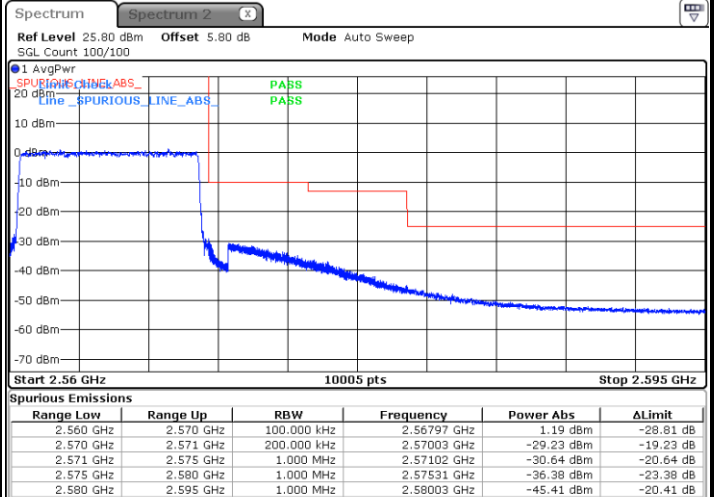
Date: 31.MAR.2020 14:11:48

Lowest Band Edge / Full RB



Date: 31.MAR.2020 14:10:40

Highest Band Edge / Full RB

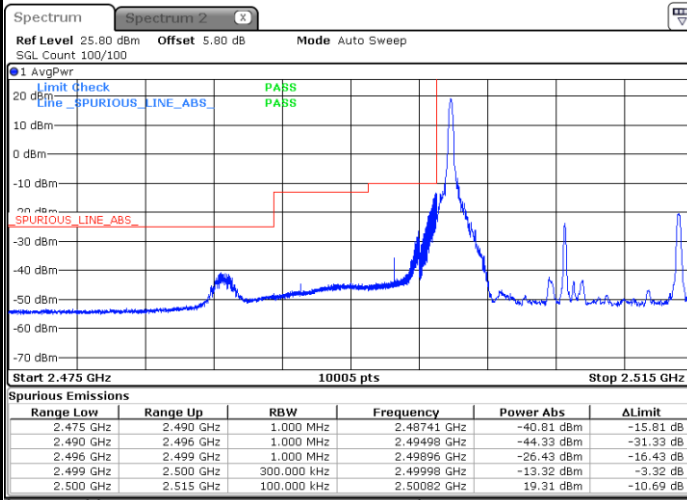


Date: 31.MAR.2020 14:12:56



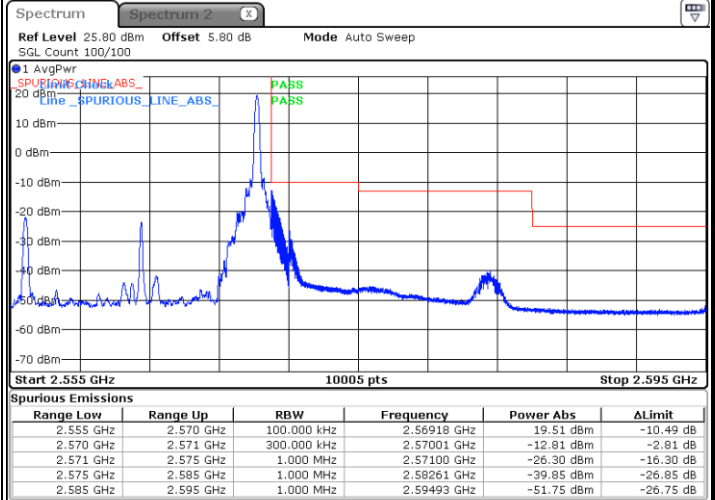
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



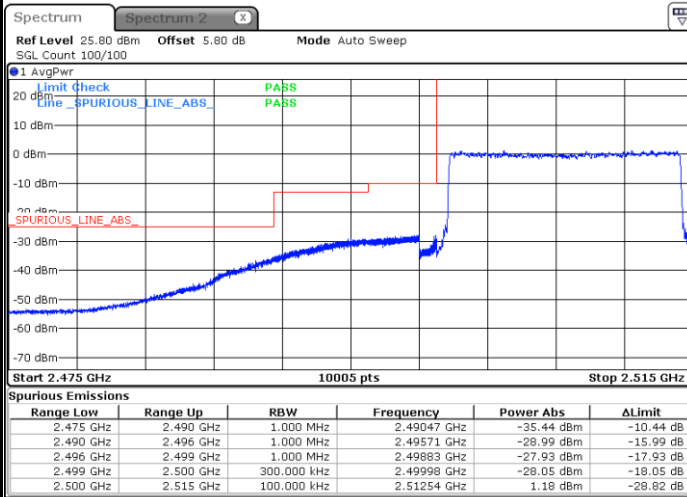
Date: 31.MAR.2020 13:26:37

Highest Band Edge / 1 RB



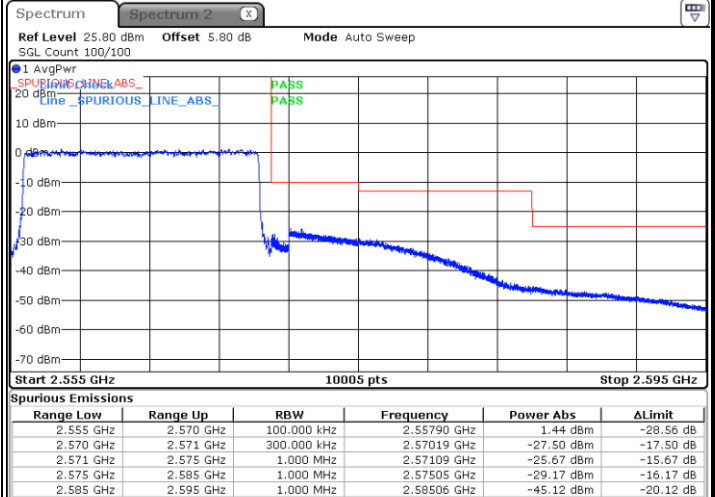
Date: 31.MAR.2020 13:34:34

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB

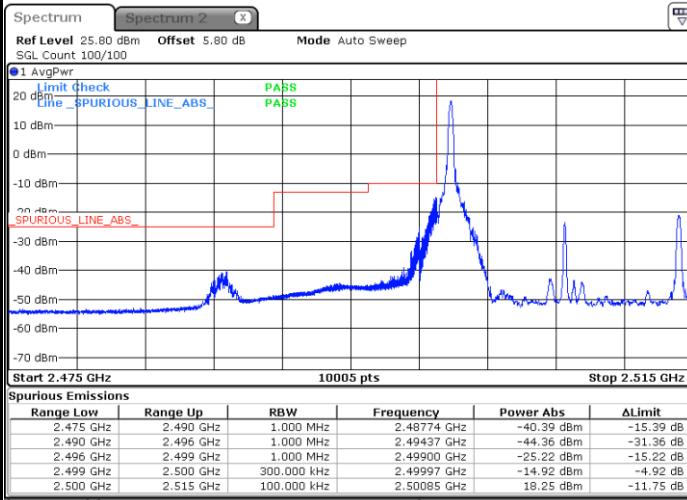


Date: 31.MAR.2020 13:31:10



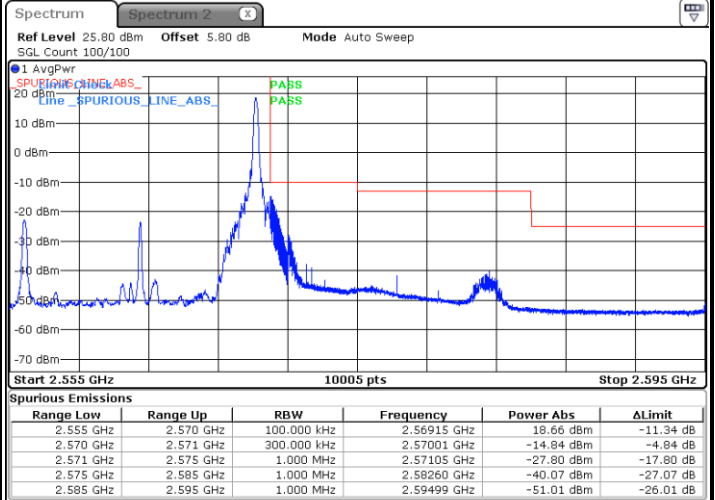
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



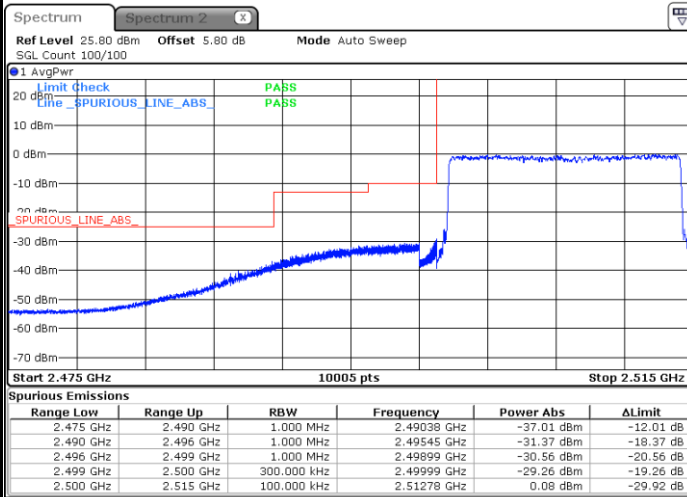
Date: 31.MAR.2020 13:27:45

Highest Band Edge / 1 RB



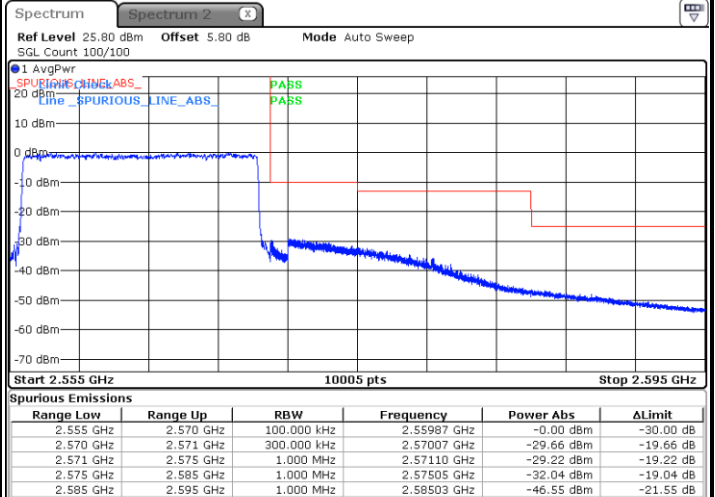
Date: 31.MAR.2020 13:33:26

Lowest Band Edge / Full RB



Date: 31.MAR.2020 13:28:53

Highest Band Edge / Full RB

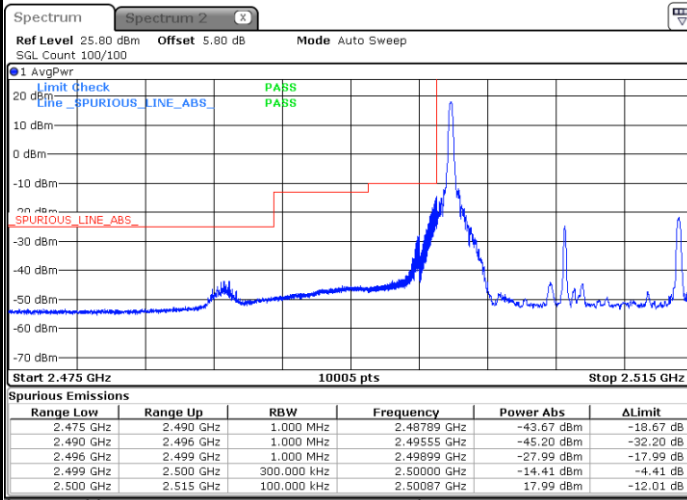


Date: 31.MAR.2020 13:32:18



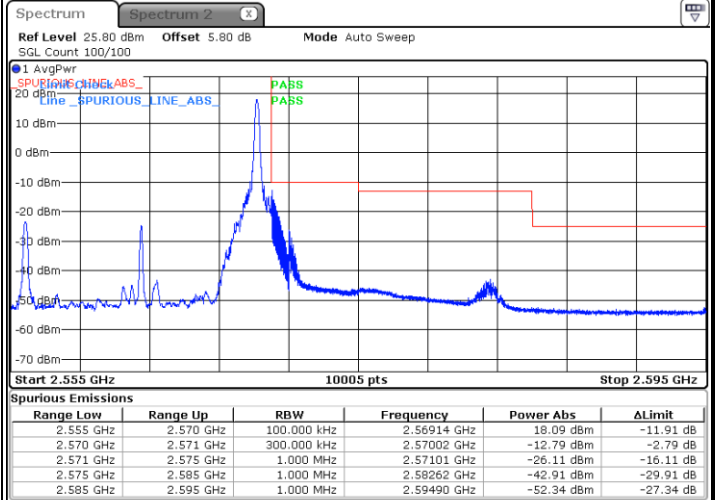
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



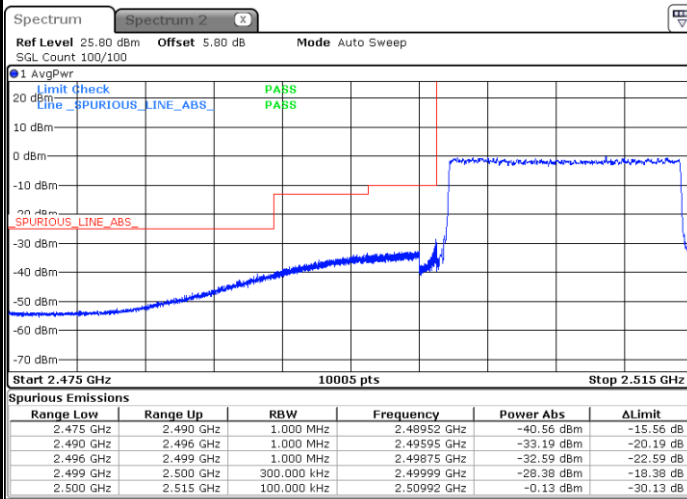
Date: 31.MAR.2020 14:22:52

Highest Band Edge / 1 RB



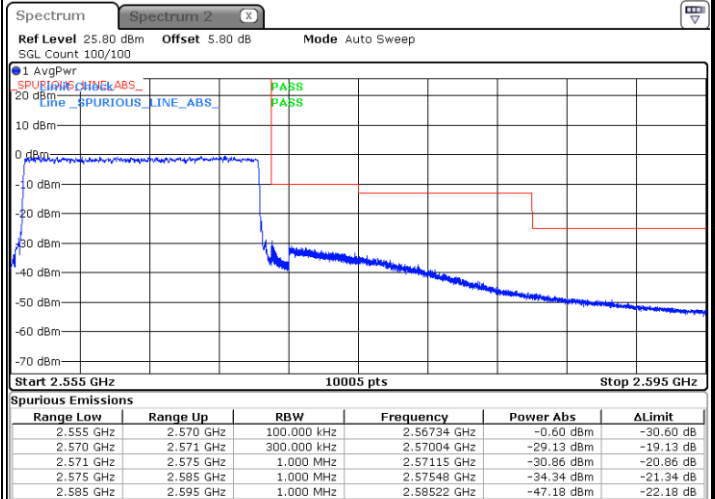
Date: 31.MAR.2020 14:25:09

Lowest Band Edge / Full RB



Date: 31.MAR.2020 14:21:44

Highest Band Edge / Full RB



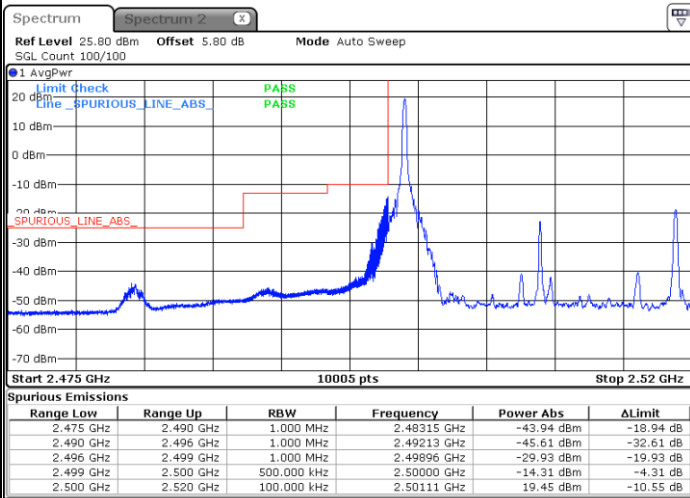
Date: 31.MAR.2020 14:24:01



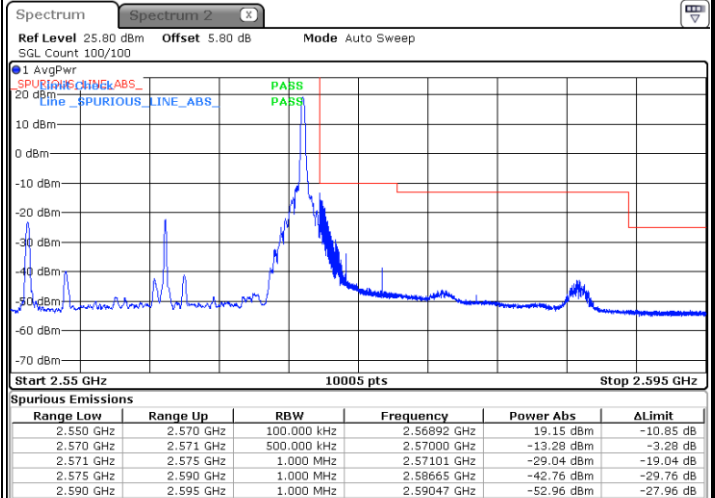
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



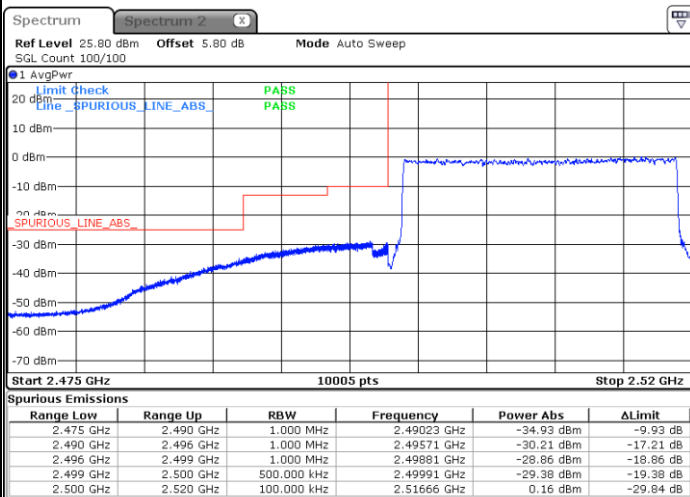
Date: 31.MAR.2020 13:43:05



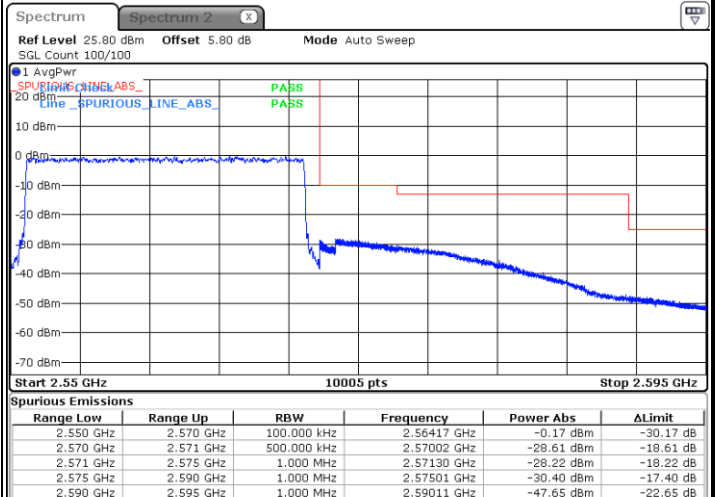
Date: 31.MAR.2020 13:51:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAR.2020 13:46:31

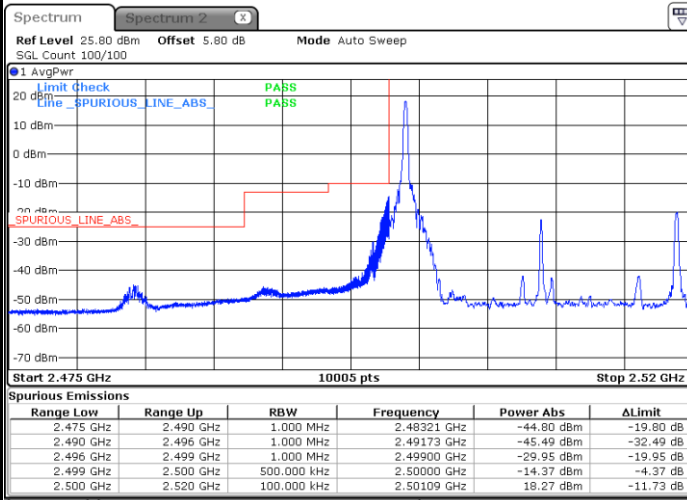


Date: 31.MAR.2020 13:47:39



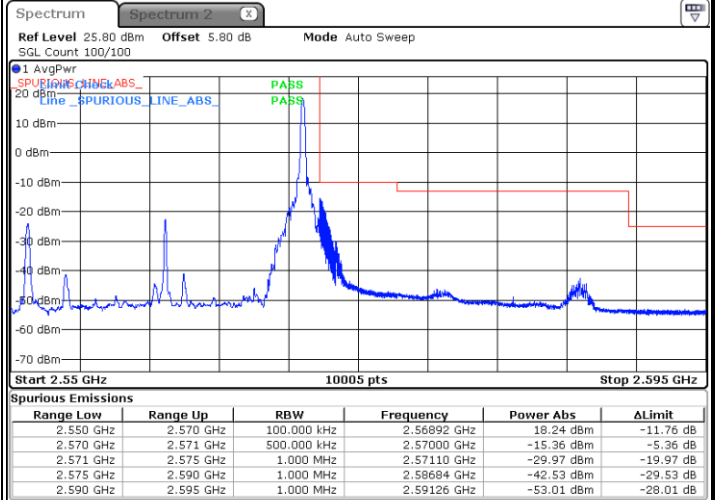
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



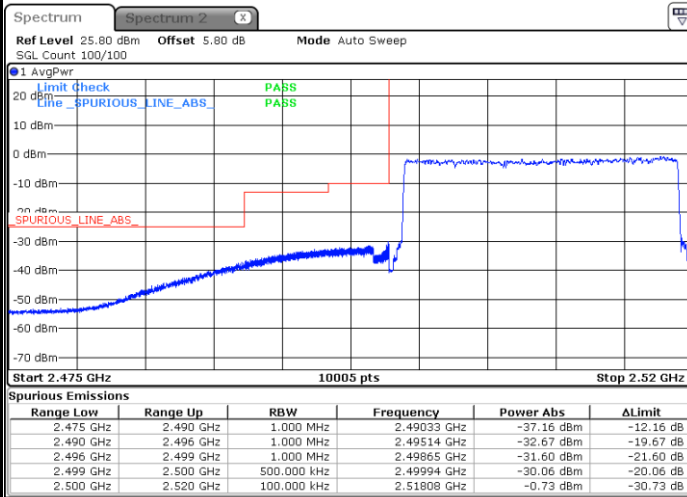
Date: 31.MAR.2020 13:44:14

Highest Band Edge / 1RB



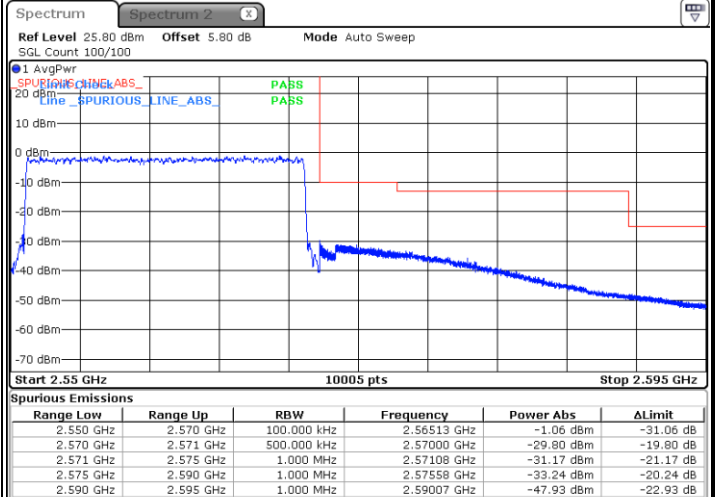
Date: 31.MAR.2020 13:49:55

Lowest Band Edge / Full RB



Date: 31.MAR.2020 13:45:22

Highest Band Edge / Full RB

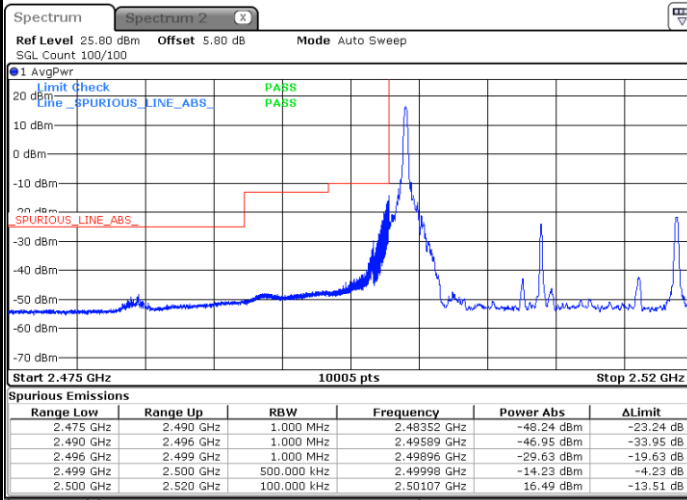


Date: 31.MAR.2020 13:48:47



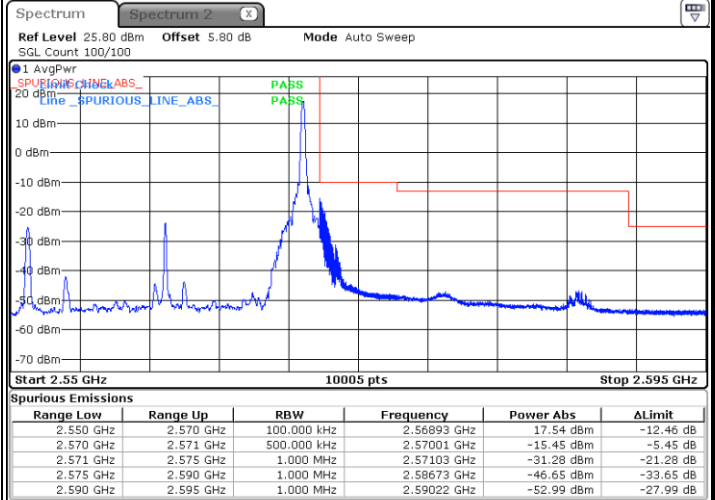
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



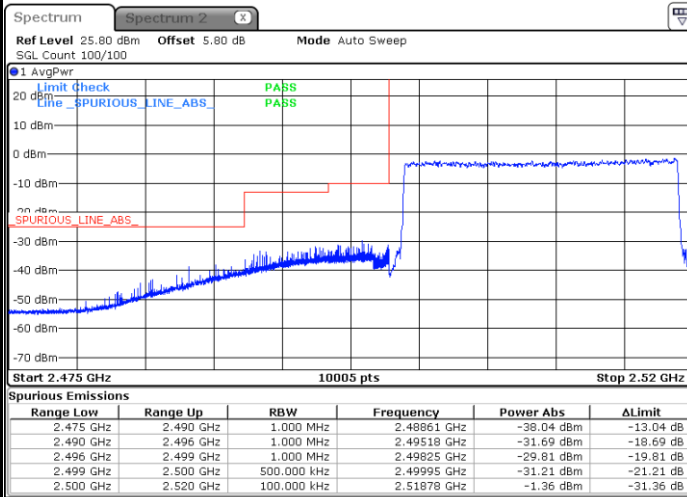
Date: 31.MAR.2020 14:31:07

Highest Band Edge / 1 RB



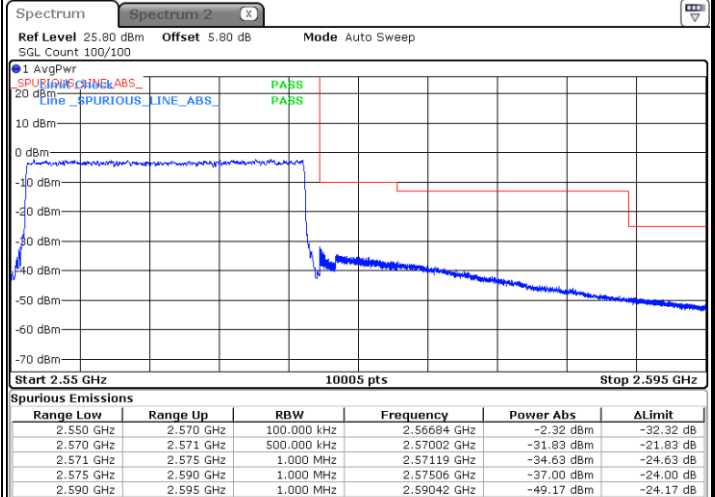
Date: 31.MAR.2020 14:33:23

Lowest Band Edge / Full RB



Date: 31.MAR.2020 14:29:59

Highest Band Edge / Full RB



Date: 31.MAR.2020 14:32:15



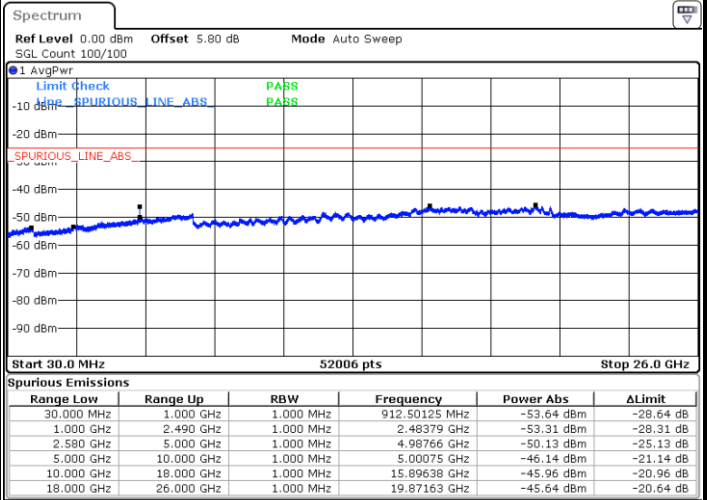
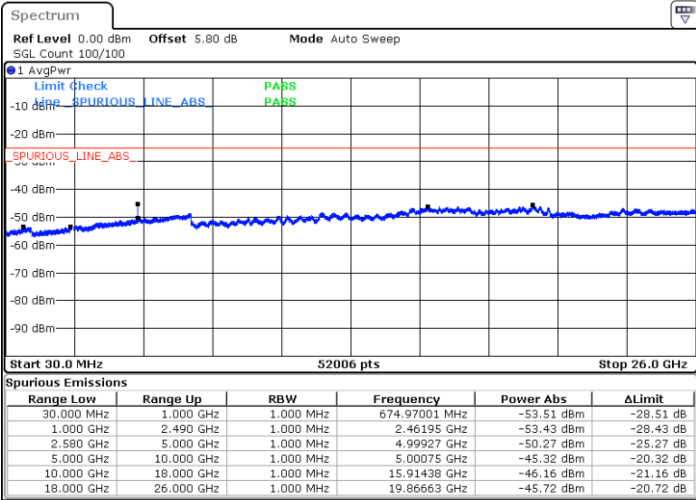
Conducted Spurious Emission



LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

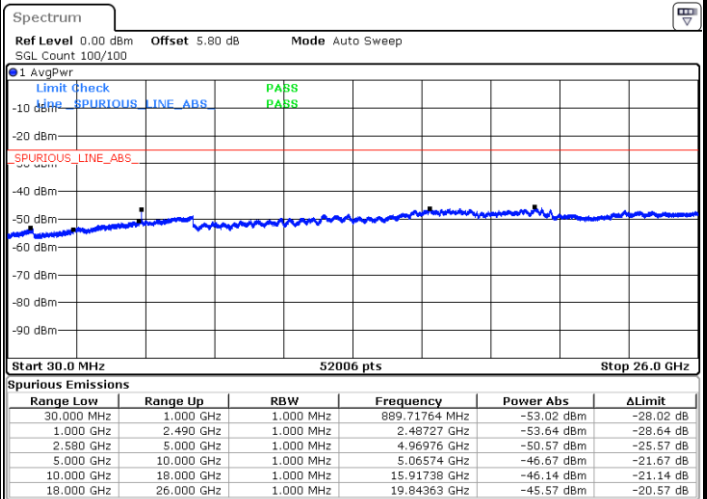
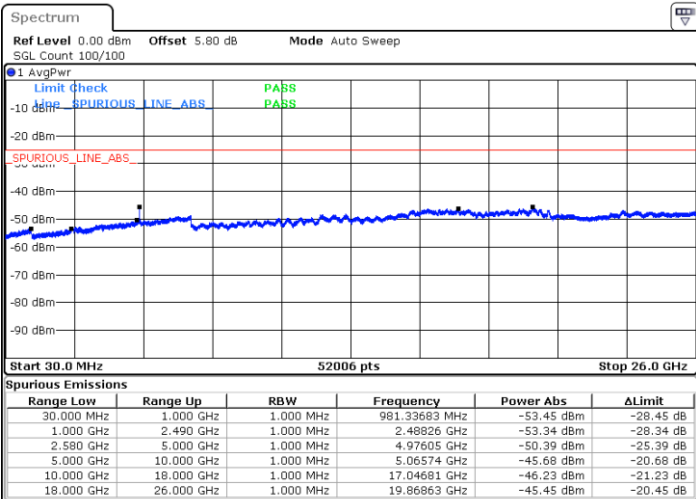


Date: 31.MAR.2020 12:45:34

Date: 31.MAR.2020 12:46:28

Middle Channel / QPSK

Middle Channel / 16QAM



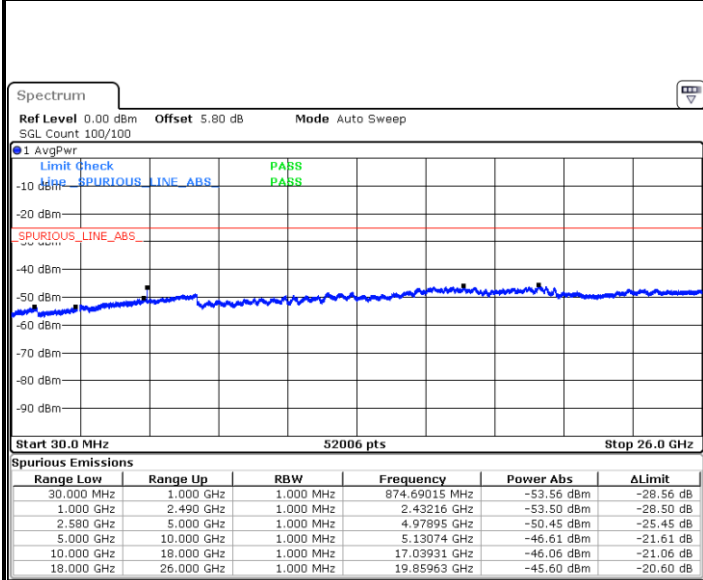
Date: 31.MAR.2020 12:48:16

Date: 31.MAR.2020 12:47:22



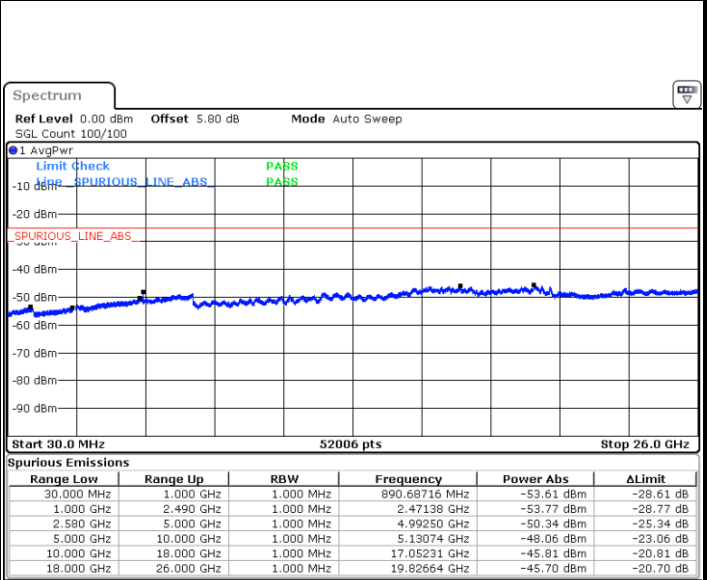
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 31.MAR.2020 12:49:10

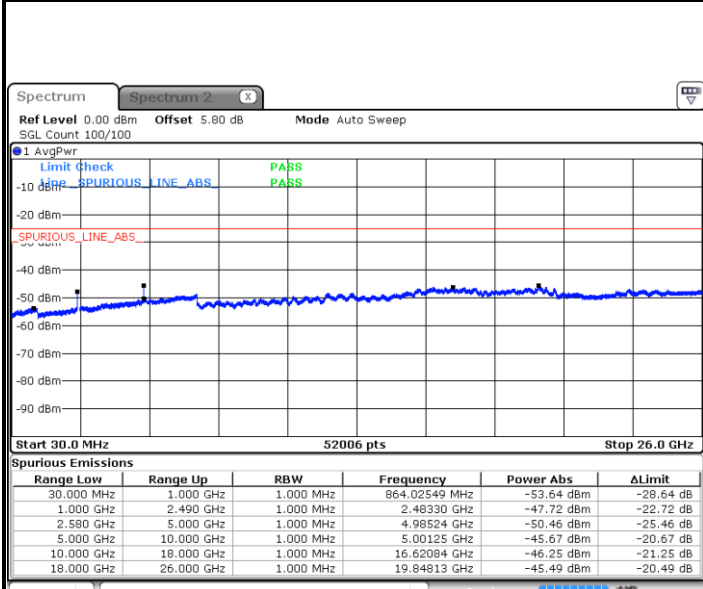
Highest Channel / 16QAM



Date: 31.MAR.2020 12:50:04

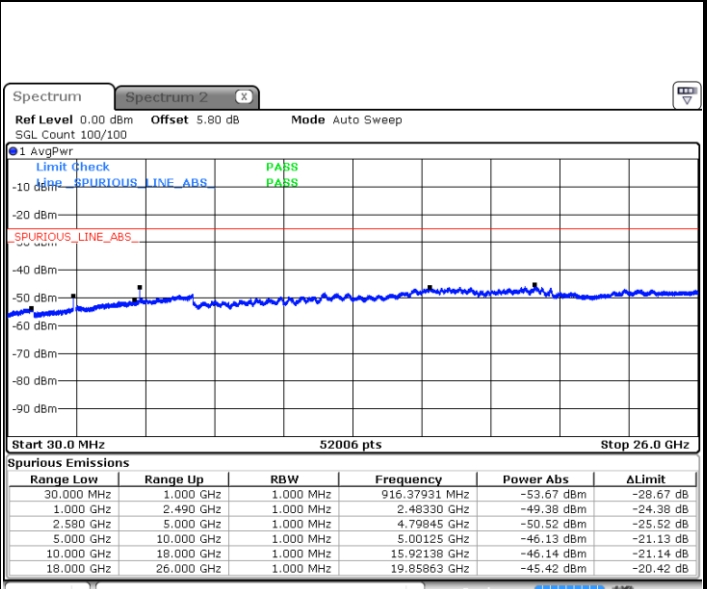
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 31.MAR.2020 13:18:57

Lowest Channel / 16QAM



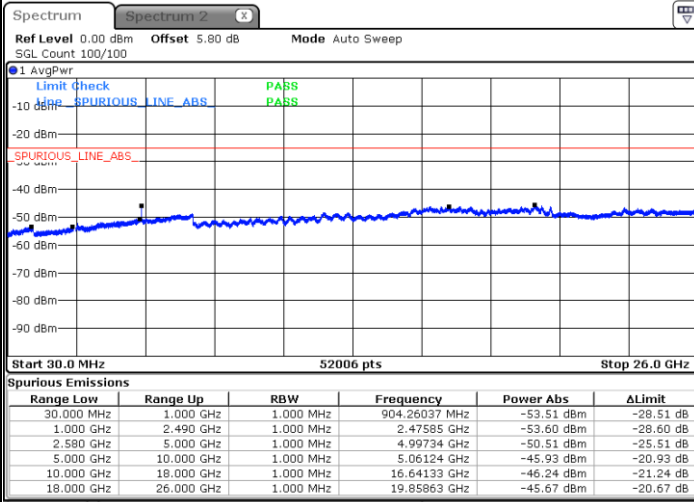
Date: 31.MAR.2020 13:19:51



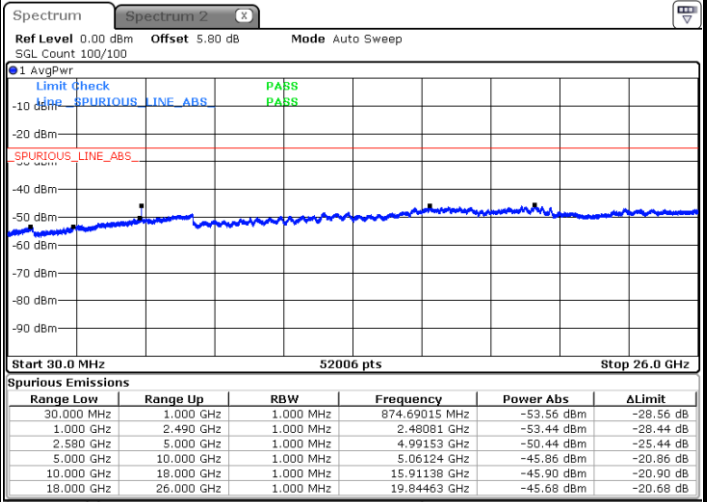
LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



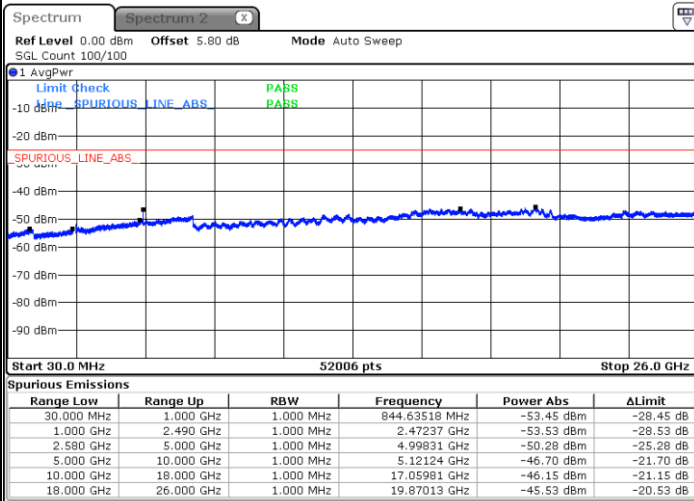
Date: 31.MAR.2020 13:21:39



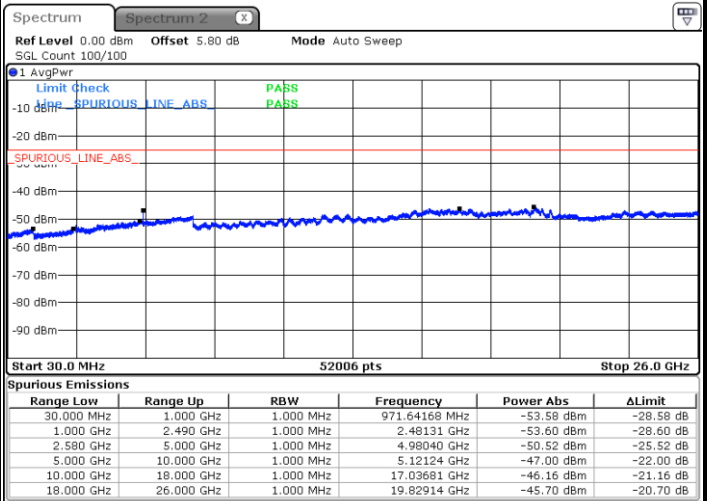
Date: 31.MAR.2020 13:20:45

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 31.MAR.2020 13:22:33



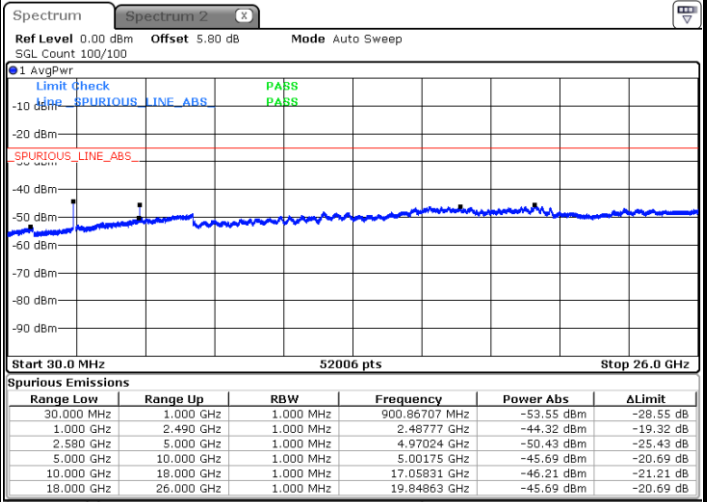
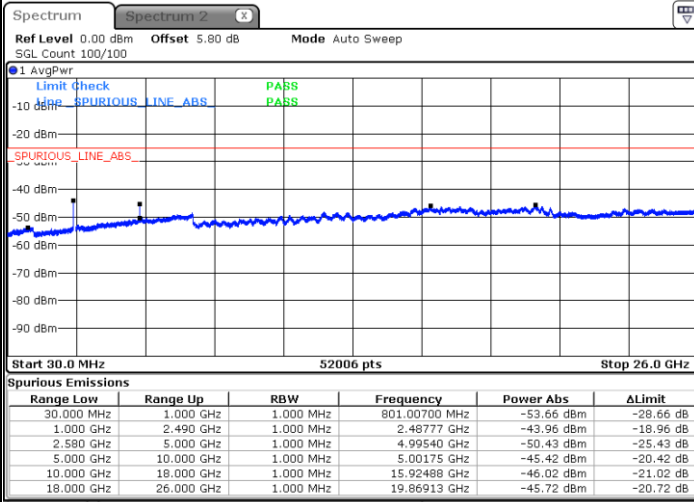
Date: 31.MAR.2020 13:23:27



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

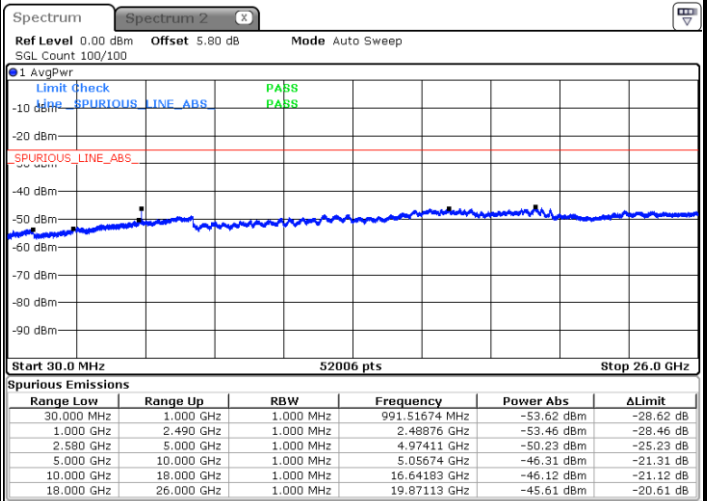
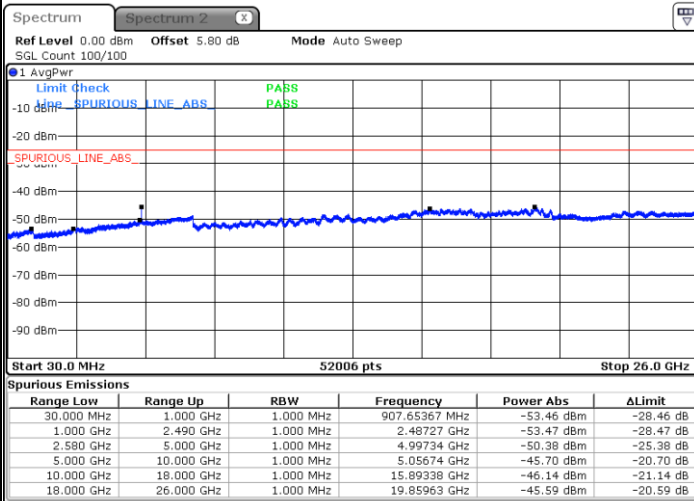


Date: 31.MAR.2020 13:35:27

Date: 31.MAR.2020 13:36:21

Middle Channel / QPSK

Middle Channel / 16QAM



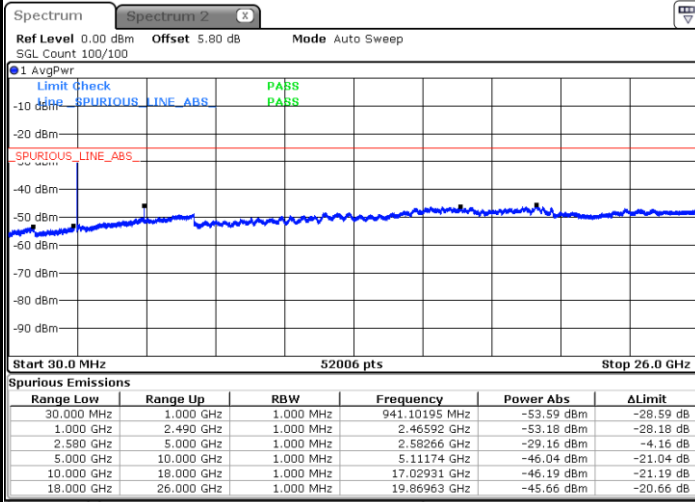
Date: 31.MAR.2020 13:38:08

Date: 31.MAR.2020 13:37:15



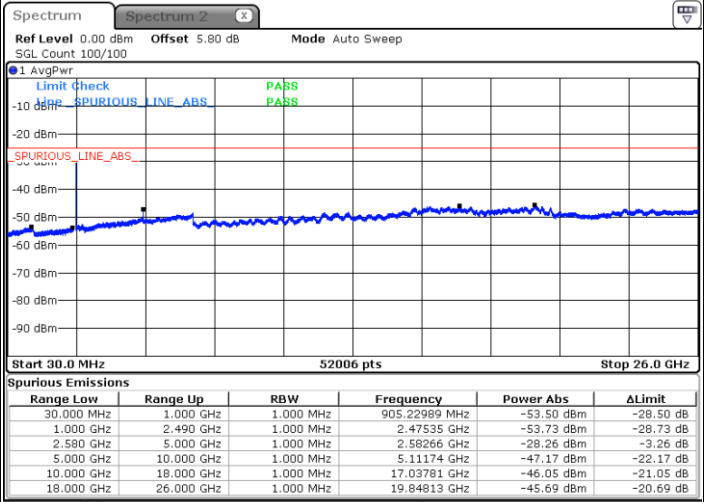
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 31.MAR.2020 13:39:02

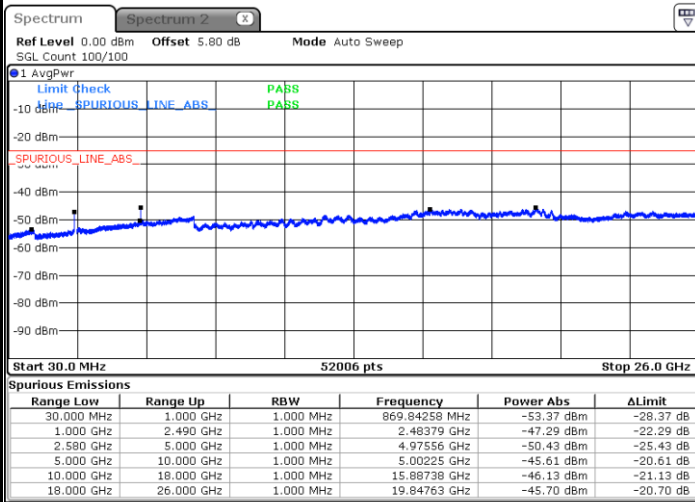
Highest Channel / 16QAM



Date: 31.MAR.2020 13:39:56

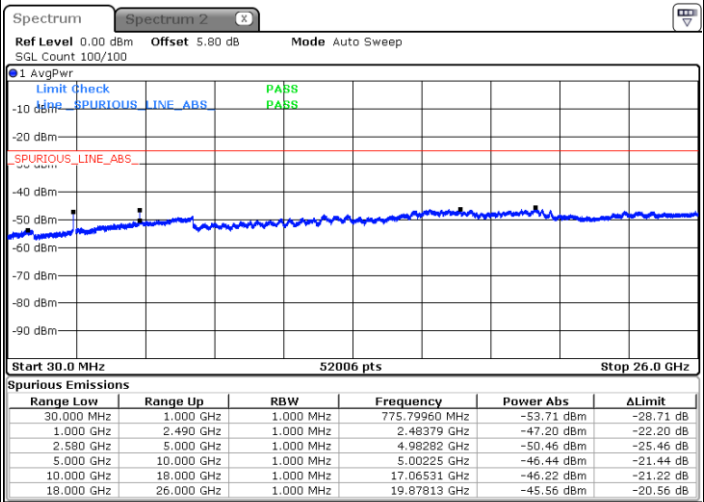
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 31.MAR.2020 13:51:56

Lowest Channel / 16QAM



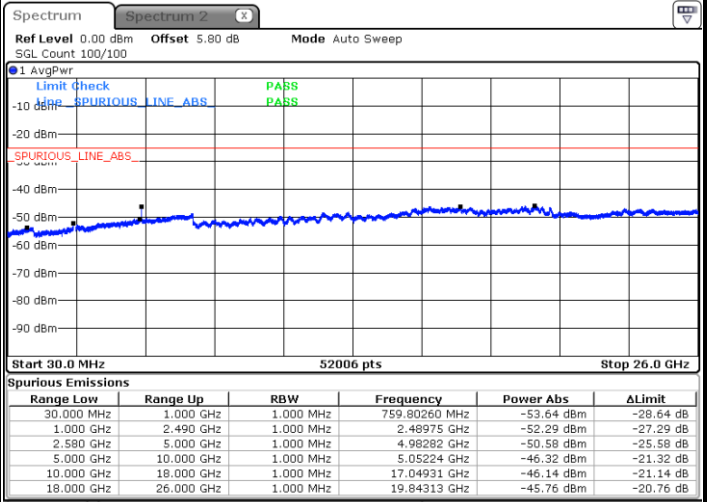
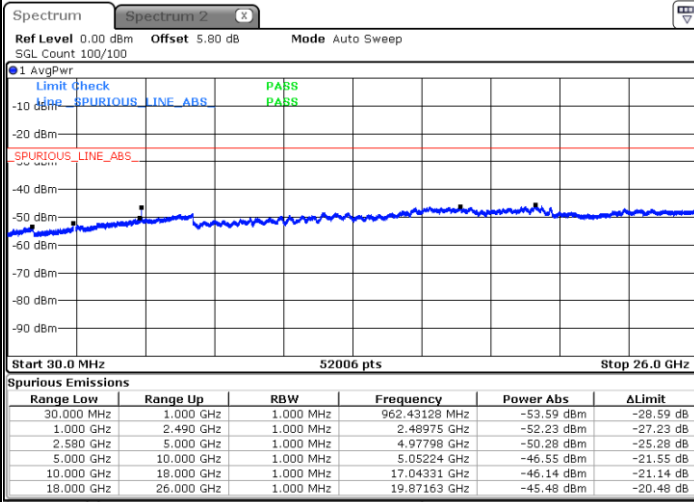
Date: 31.MAR.2020 13:52:50



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

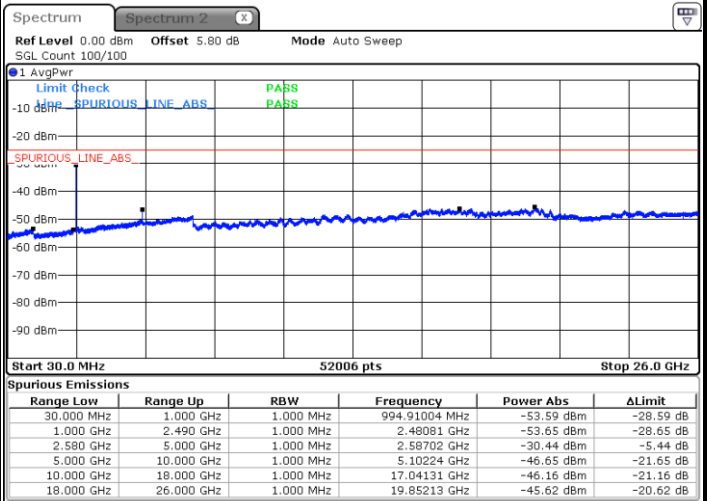
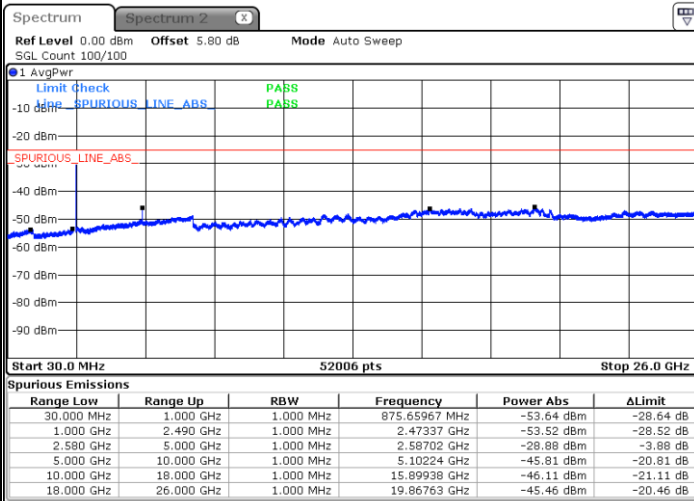


Date: 31.MAR.2020 13:54:38

Date: 31.MAR.2020 13:53:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 31.MAR.2020 13:55:32

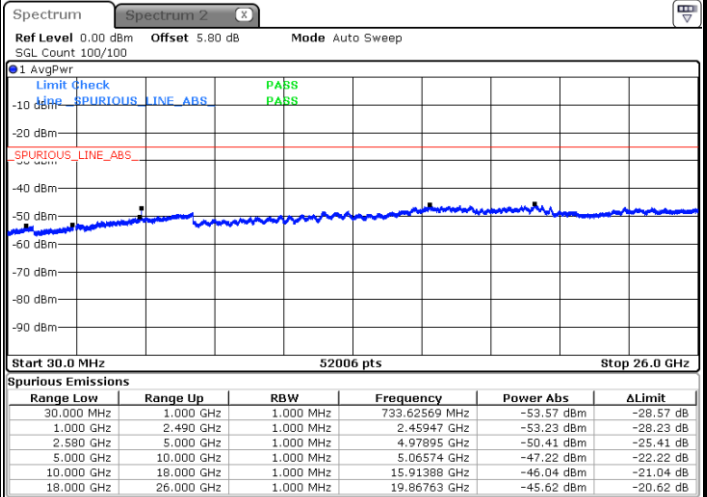
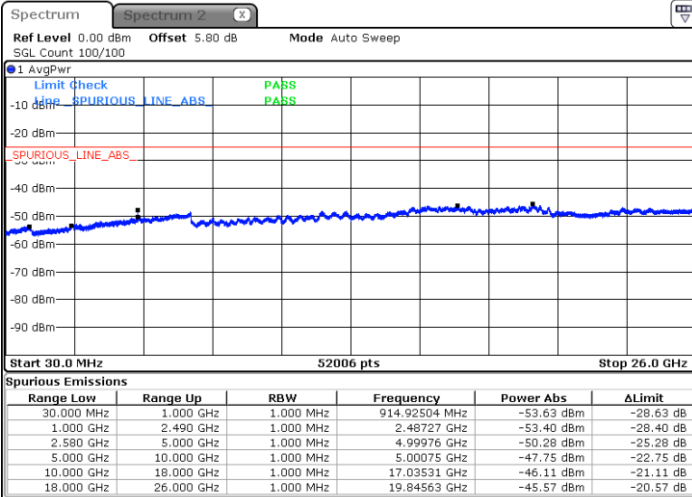
Date: 31.MAR.2020 13:56:26



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

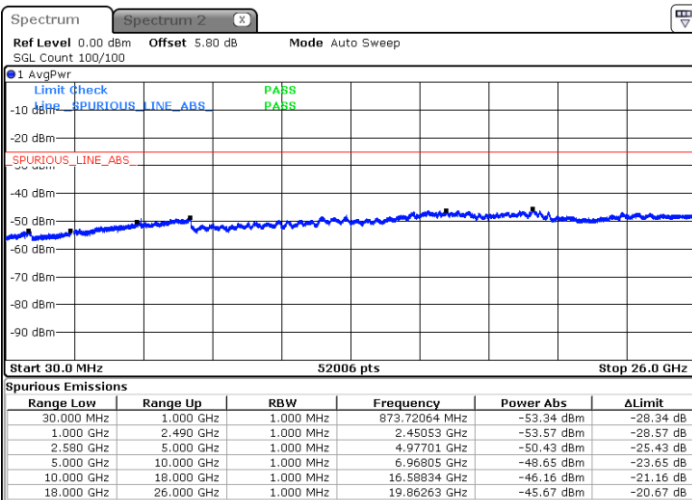
Middle Channel / 64QAM



Date: 31.MAR.2020 13:58:20

Date: 31.MAR.2020 13:59:14

Highest Channel / 64QAM



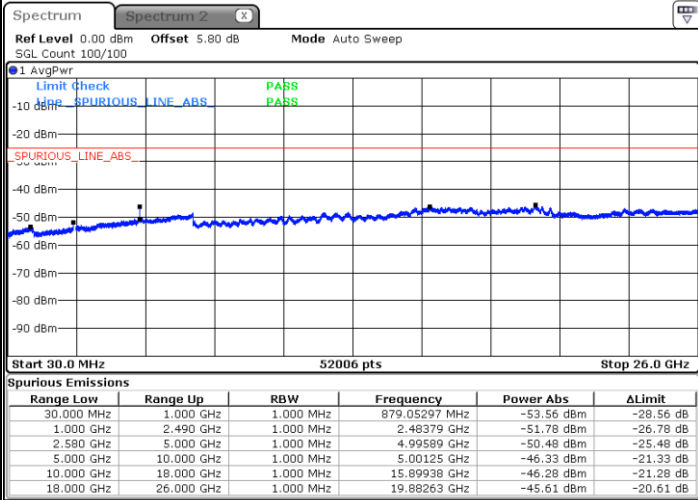
Date: 31.MAR.2020 14:00:08



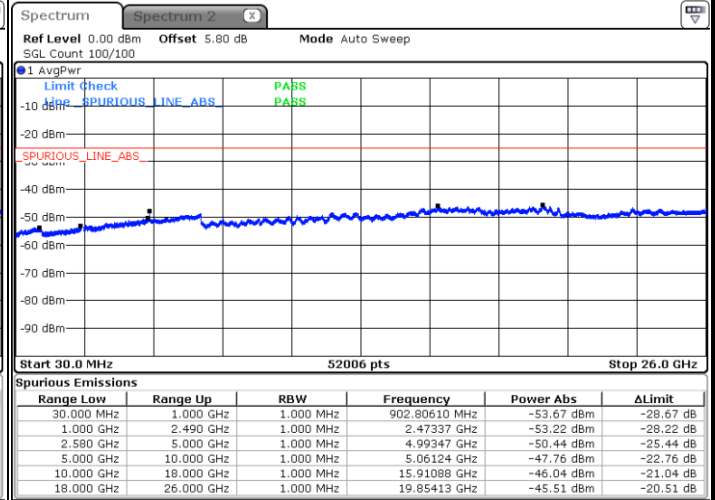
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

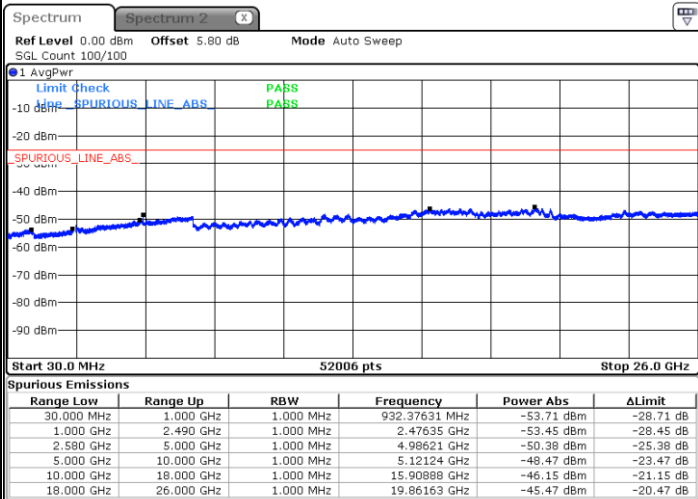


Date: 31.MAR.2020 14:06:35



Date: 31.MAR.2020 14:07:29

Highest Channel / 64QAM



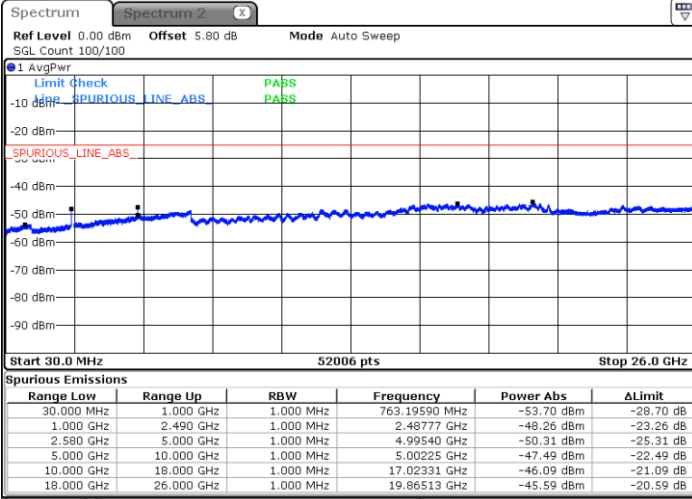
Date: 31.MAR.2020 14:08:23



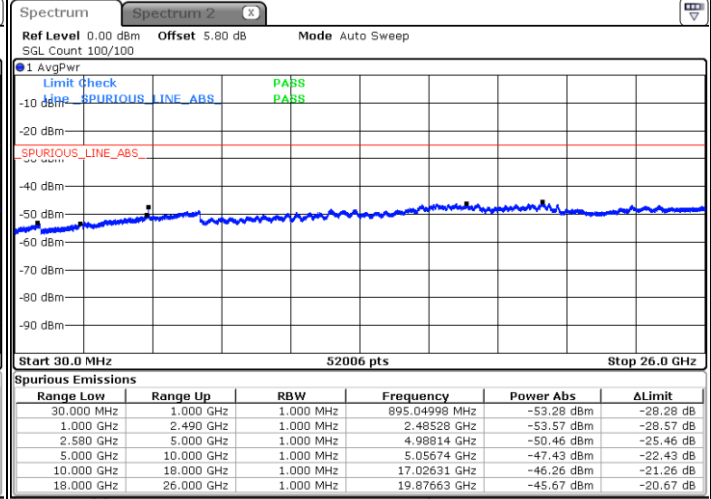
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

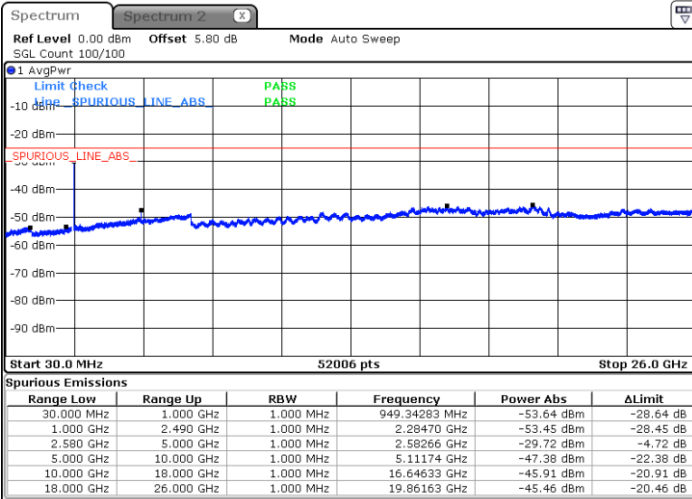


Date: 31.MAR.2020 14:26:01



Date: 31.MAR.2020 14:26:55

Highest Channel / 64QAM

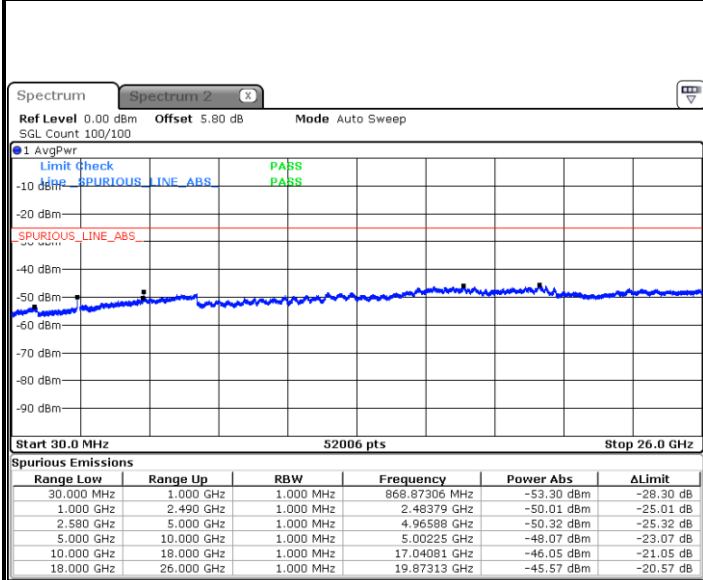


Date: 31.MAR.2020 14:27:49



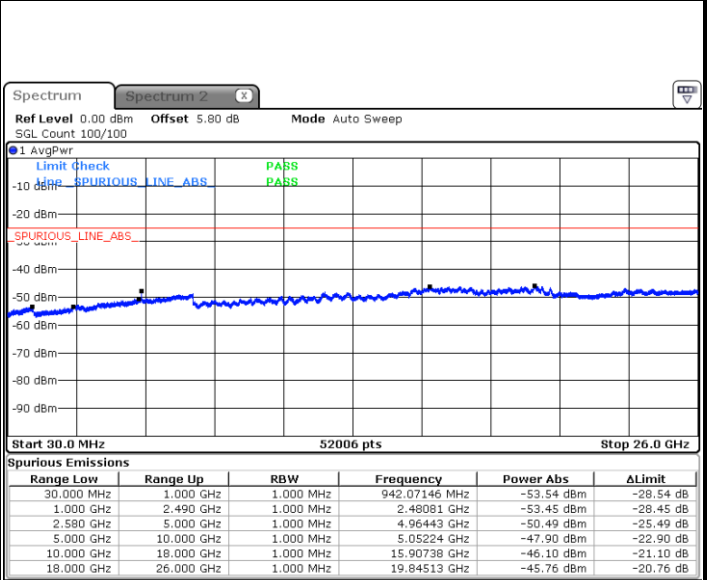
LTE Band 7 / 20MHz

Lowest Channel / 64QAM



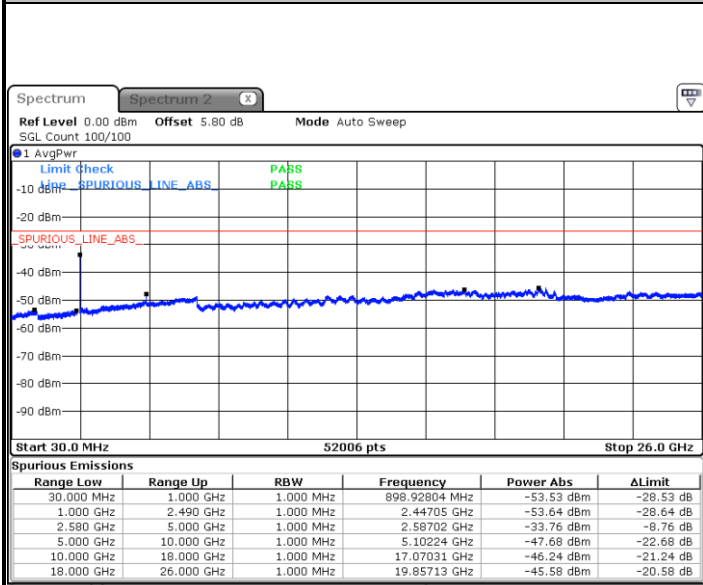
Date: 31.MAR.2020 14:34:16

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.