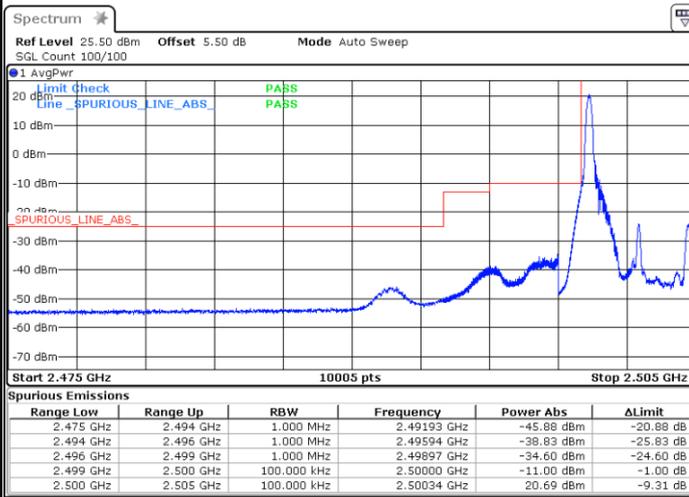




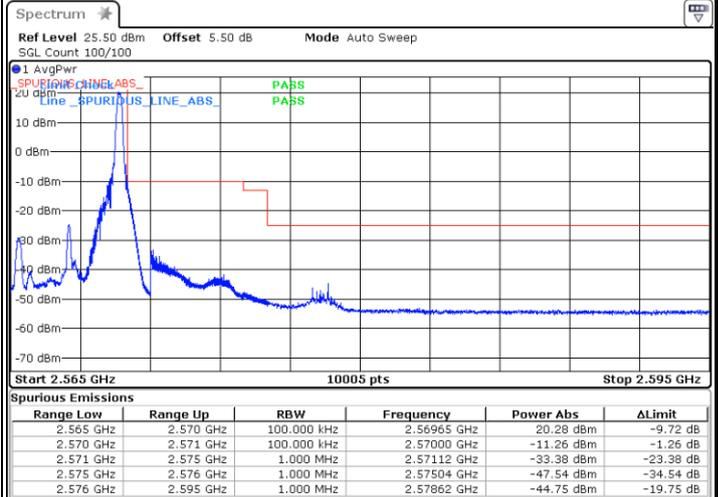
# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

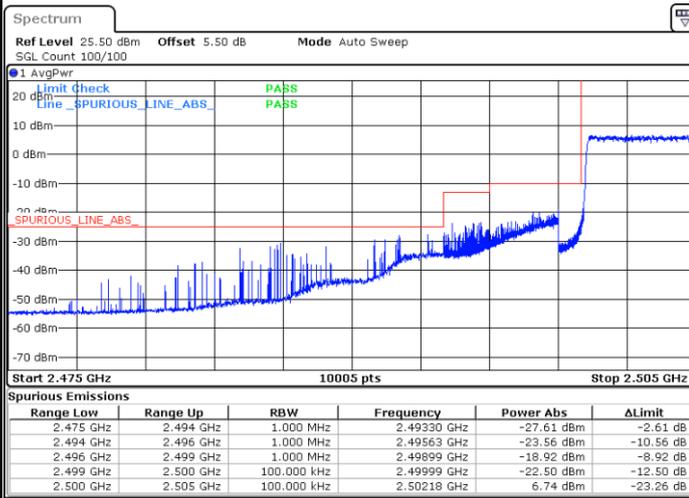
### Lowest Band Edge / 1 RB



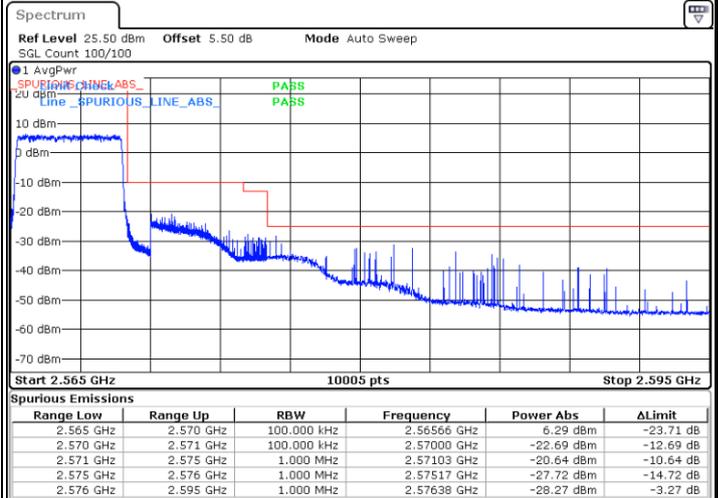
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB

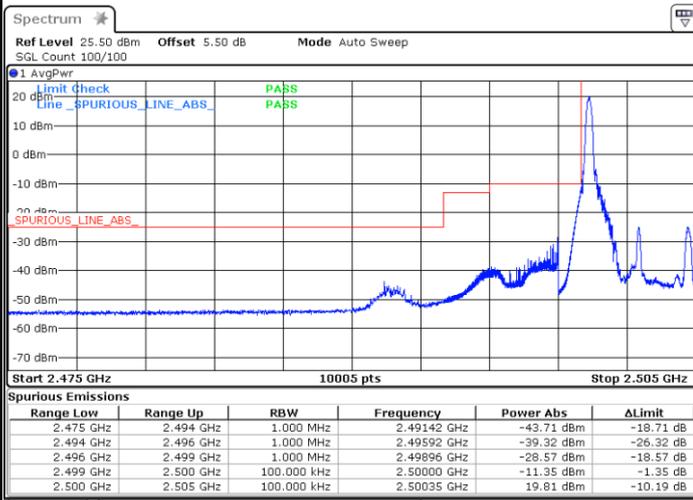




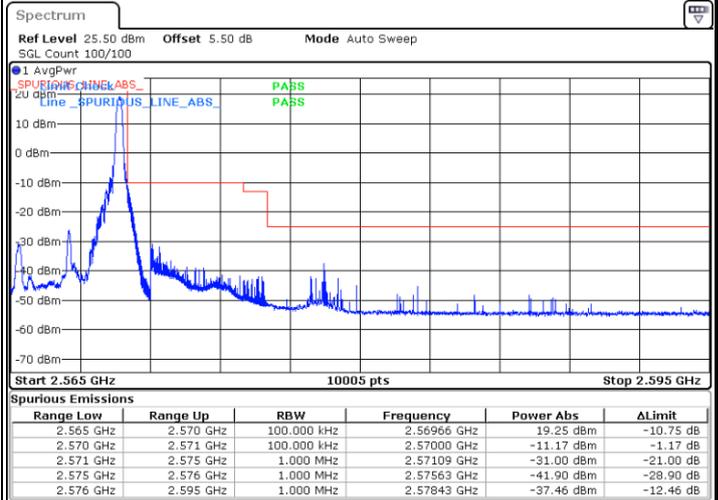
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



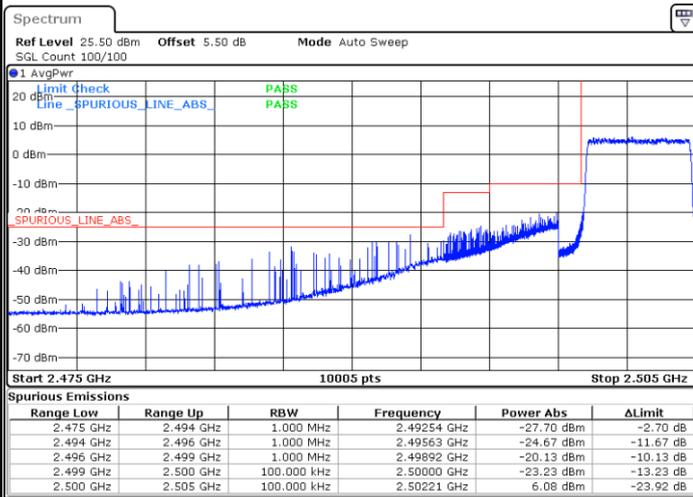
Date: 27.MAY.2020 02:05:45



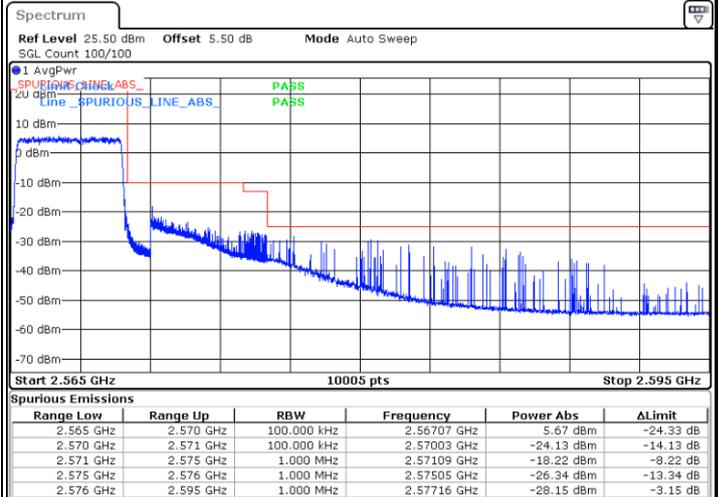
Date: 27.MAY.2020 01:03:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.MAY.2020 00:58:43

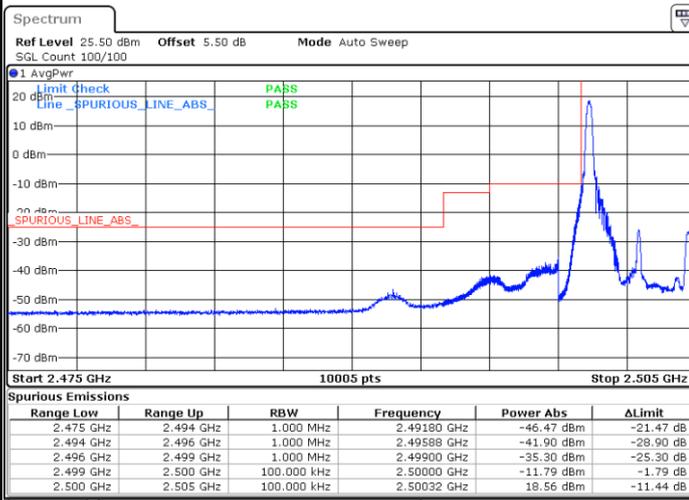


Date: 27.MAY.2020 01:02:07



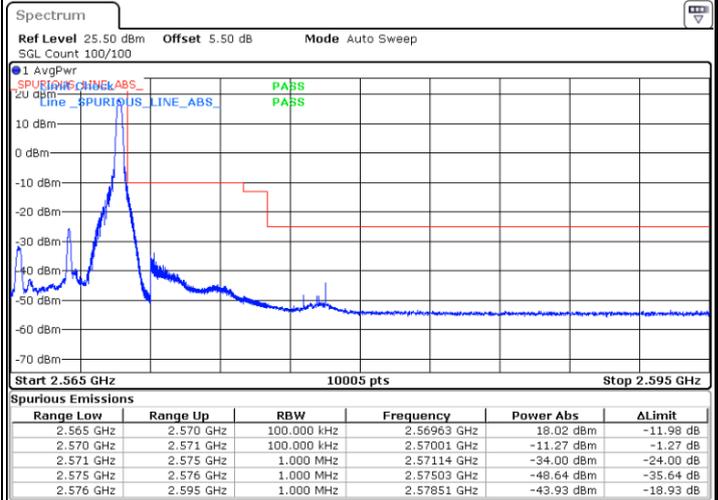
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



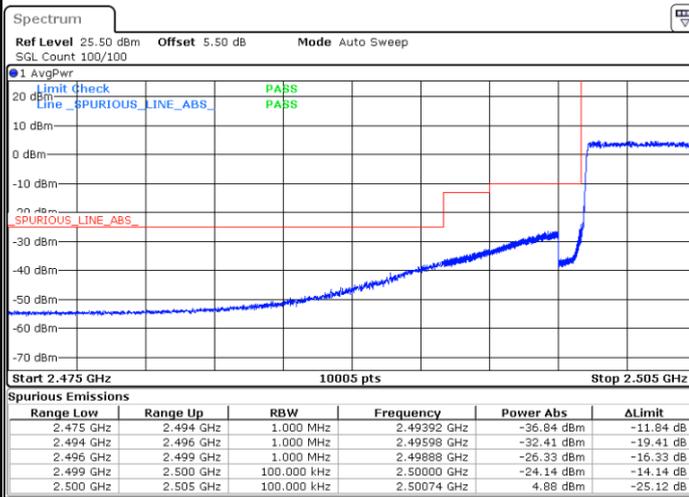
Date: 27.MAY.2020 02:40:38

Highest Band Edge / 1 RB



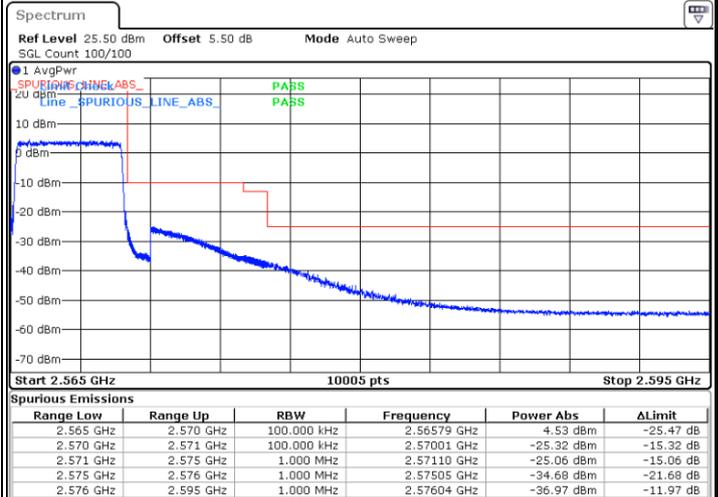
Date: 27.MAY.2020 02:42:54

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:41:46

Highest Band Edge / Full RB



Date: 27.MAY.2020 02:44:02



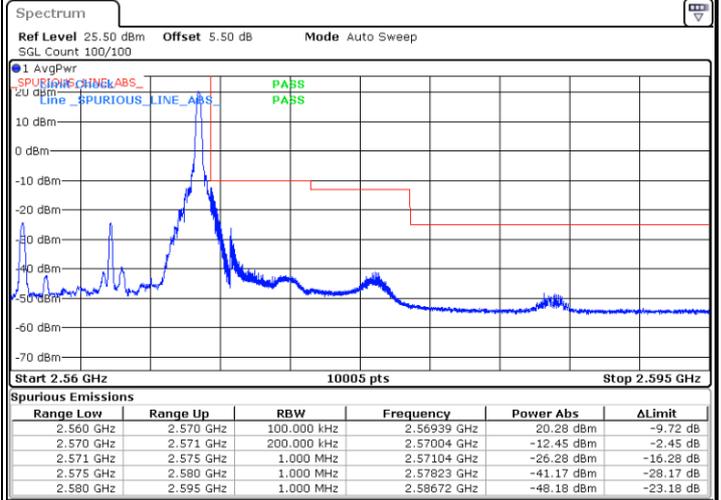
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



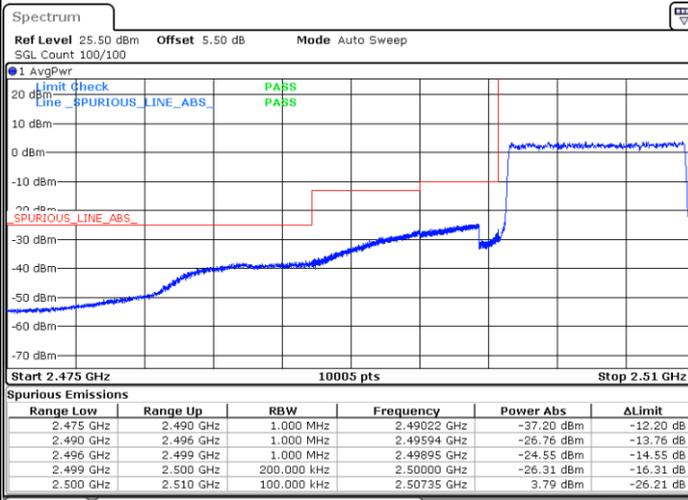
Date: 27.MAY.2020 01:12:57



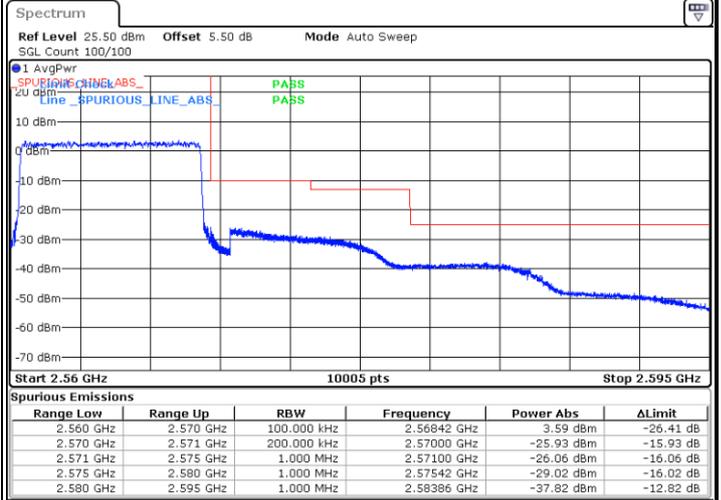
Date: 27.MAY.2020 01:20:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.MAY.2020 01:16:21

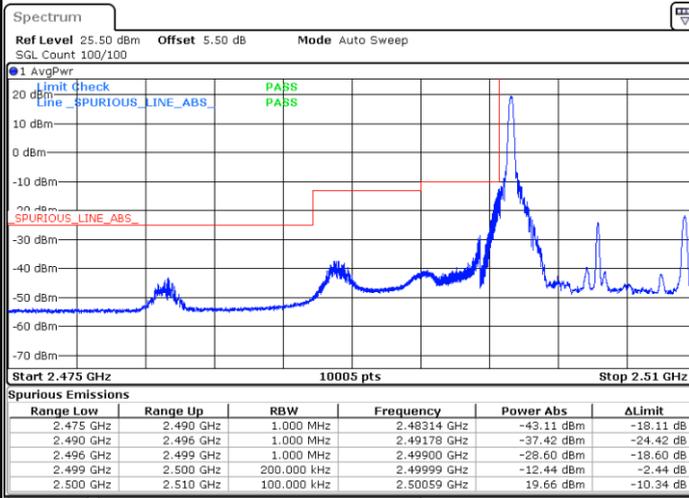


Date: 27.MAY.2020 01:17:29



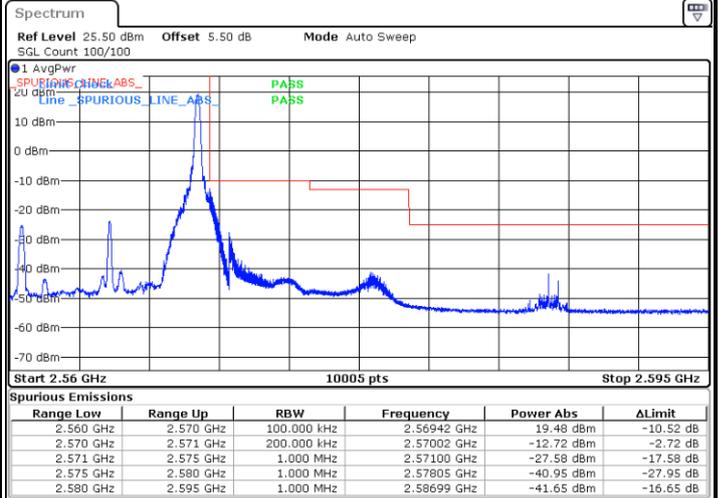
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



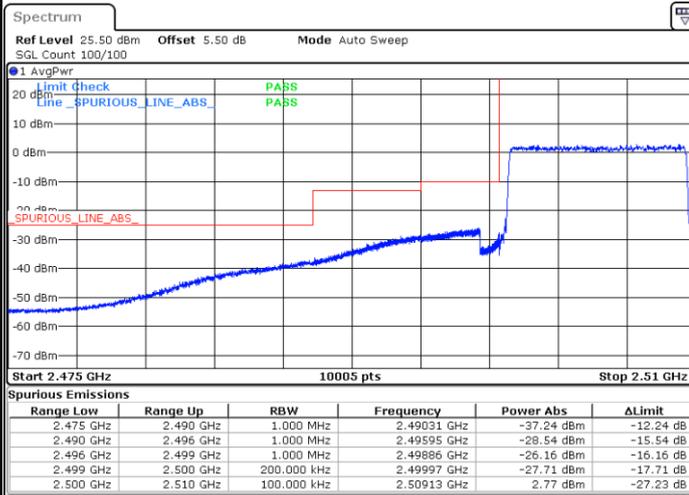
Date: 27.MAY.2020 01:14:05

Highest Band Edge / 1 RB



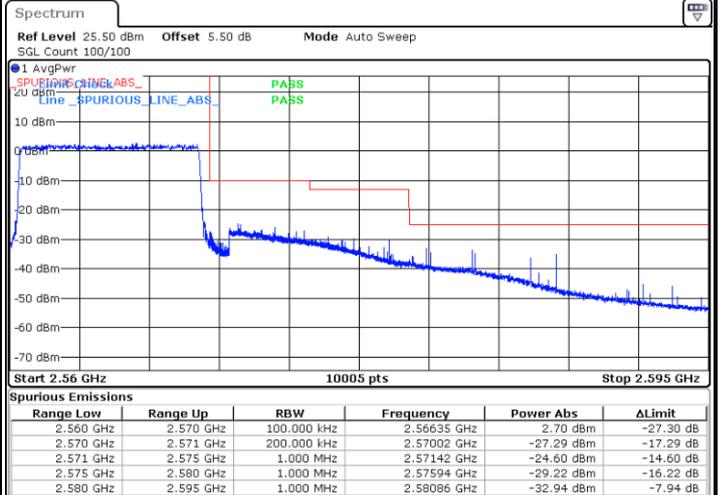
Date: 27.MAY.2020 01:19:45

Lowest Band Edge / Full RB



Date: 27.MAY.2020 01:15:13

Highest Band Edge / Full RB

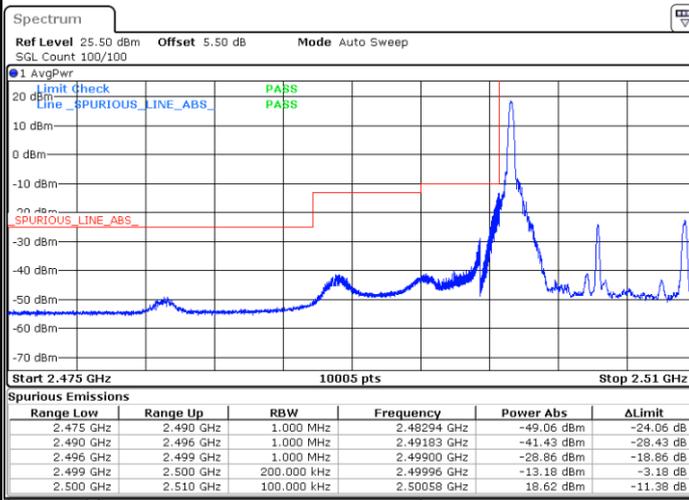


Date: 27.MAY.2020 01:18:37



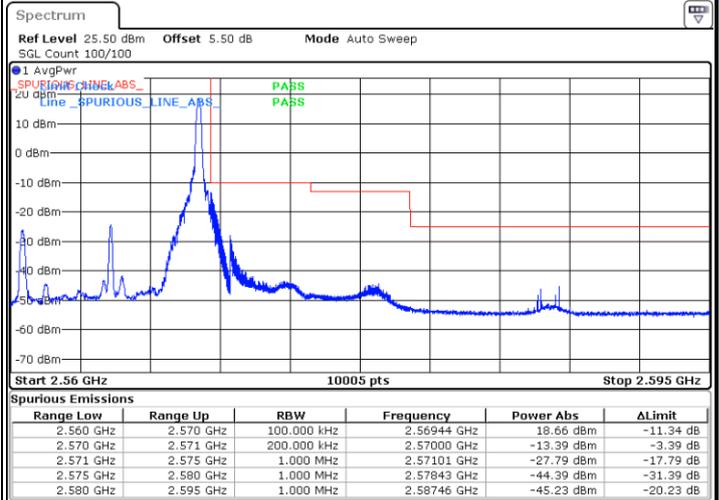
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



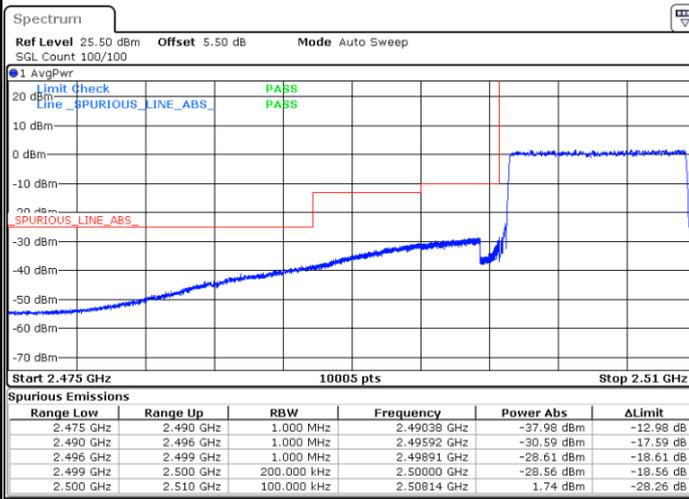
Date: 27.MAY.2020 02:48:51

Highest Band Edge / 1 RB



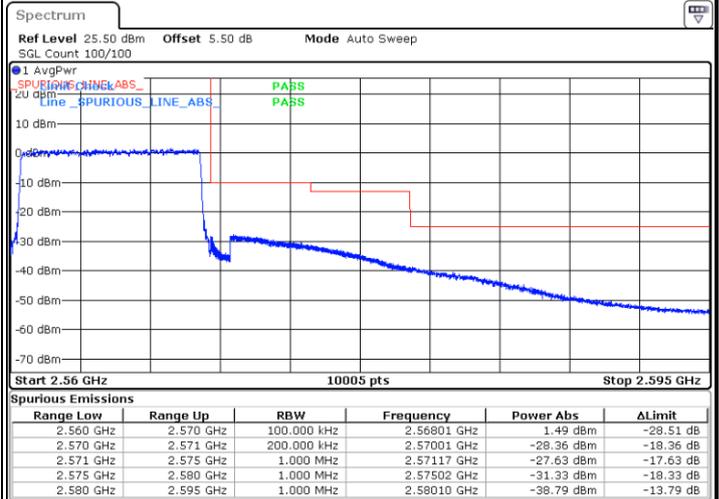
Date: 27.MAY.2020 02:51:07

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:49:59

Highest Band Edge / Full RB

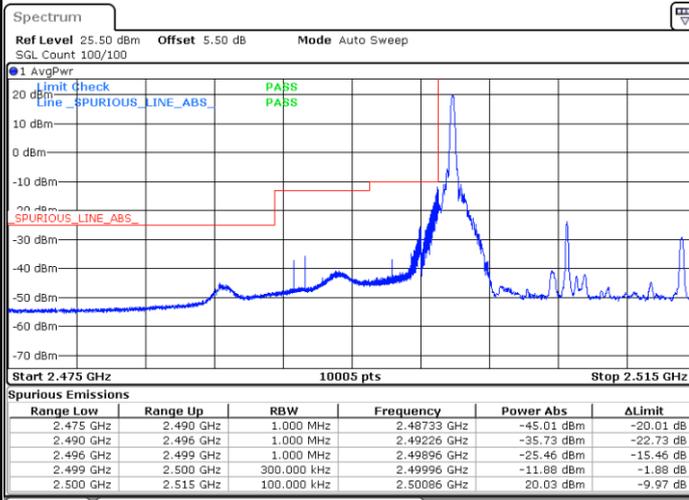


Date: 27.MAY.2020 02:52:15



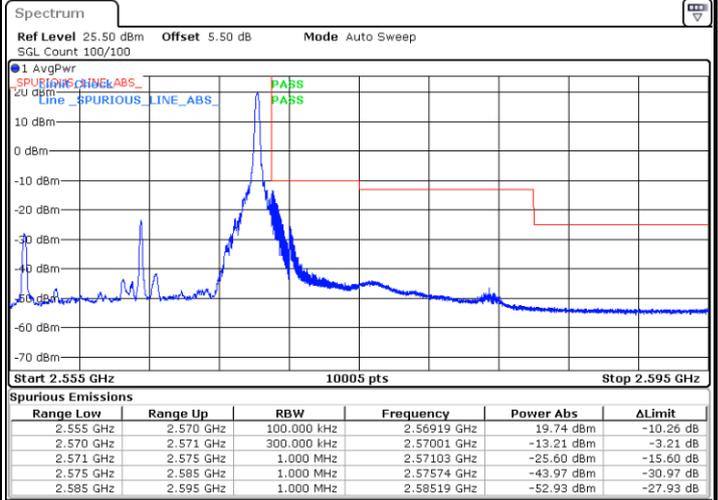
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



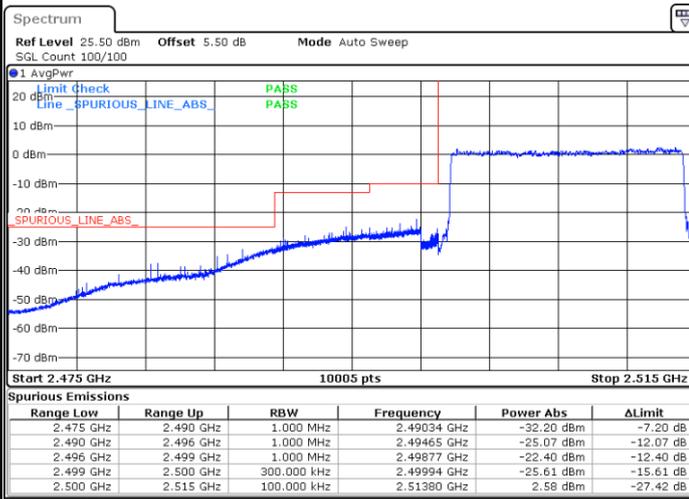
Date: 27.MAY.2020 01:29:24

Highest Band Edge / 1 RB



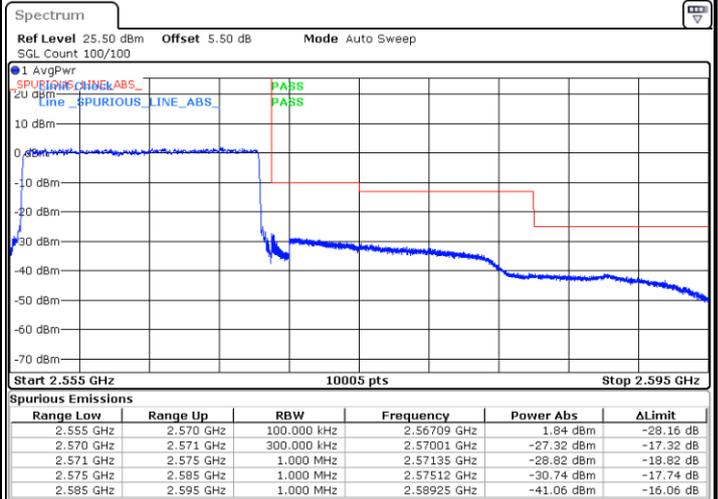
Date: 27.MAY.2020 01:37:21

Lowest Band Edge / Full RB



Date: 27.MAY.2020 01:32:49

Highest Band Edge / Full RB

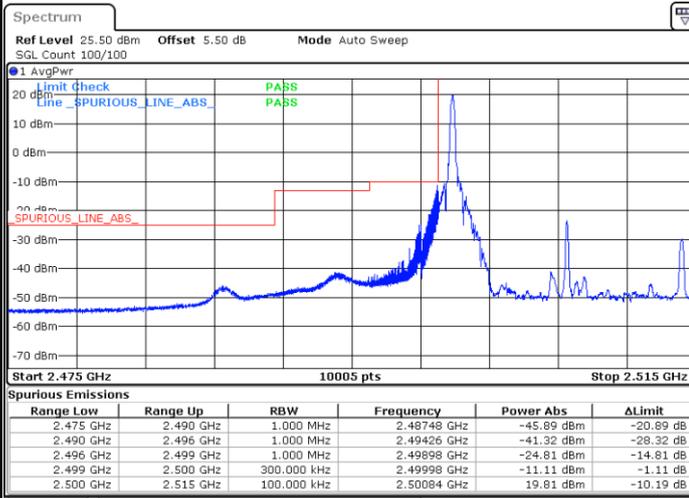


Date: 27.MAY.2020 01:33:57



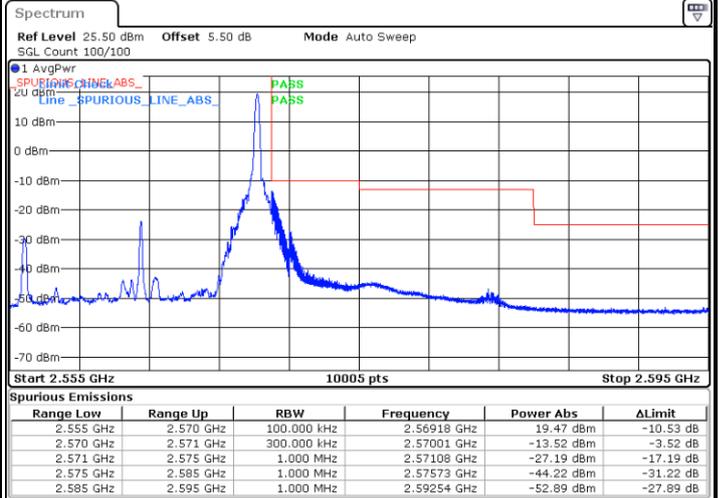
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



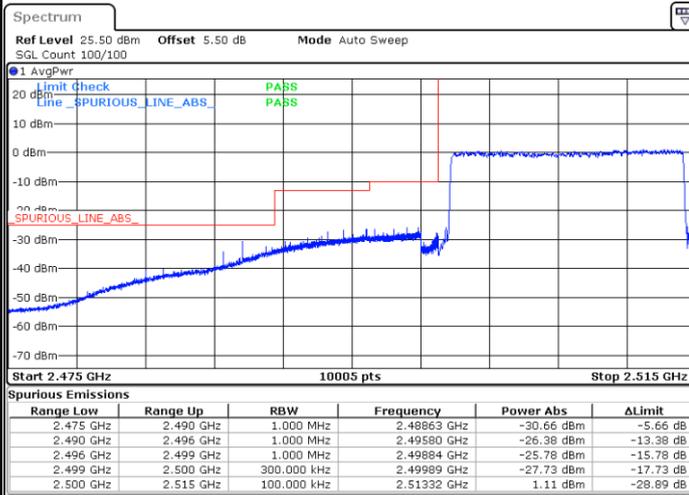
Date: 27.MAY.2020 01:30:33

Highest Band Edge / 1 RB



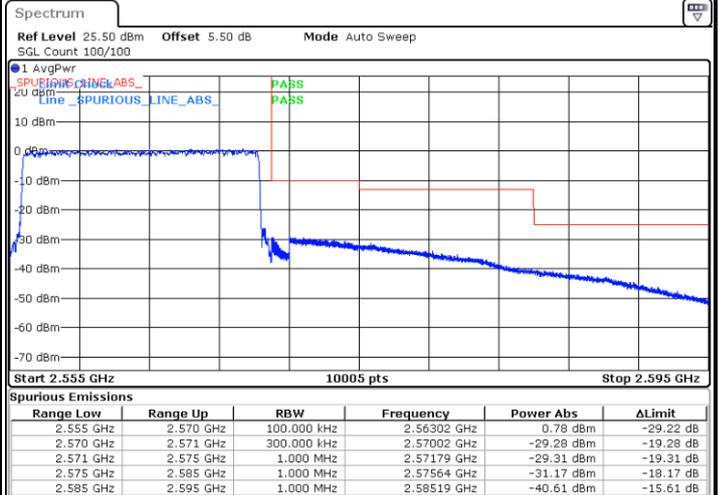
Date: 27.MAY.2020 01:36:13

Lowest Band Edge / Full RB



Date: 27.MAY.2020 01:31:41

Highest Band Edge / Full RB

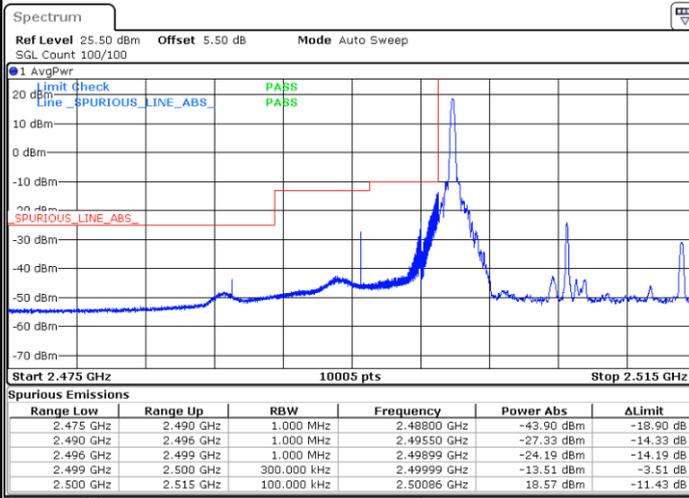


Date: 27.MAY.2020 01:35:05



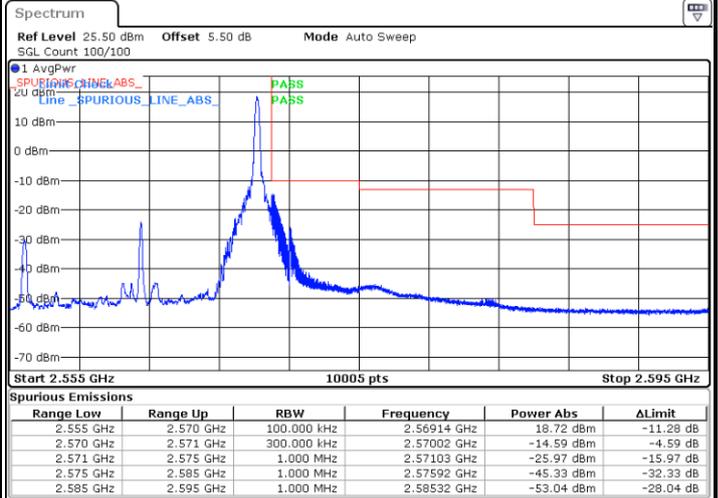
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



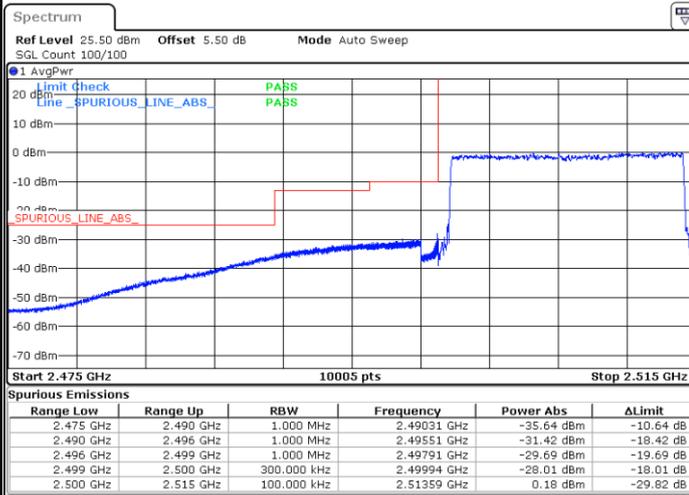
Date: 27.MAY.2020 02:55:31

Highest Band Edge / 1 RB



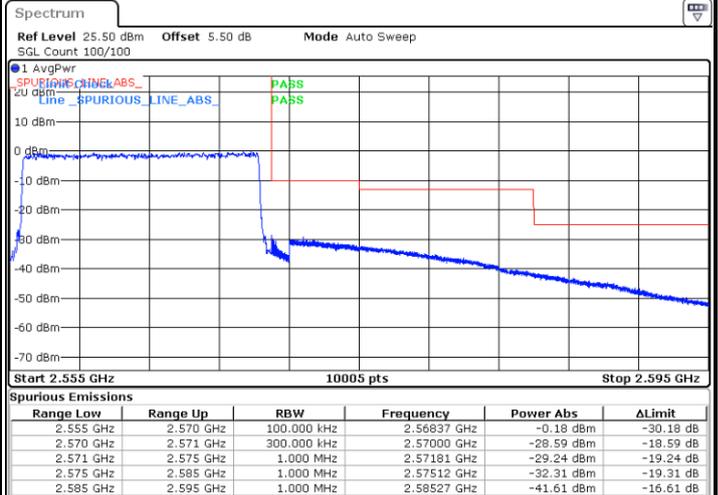
Date: 27.MAY.2020 02:57:48

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:54:23

Highest Band Edge / Full RB

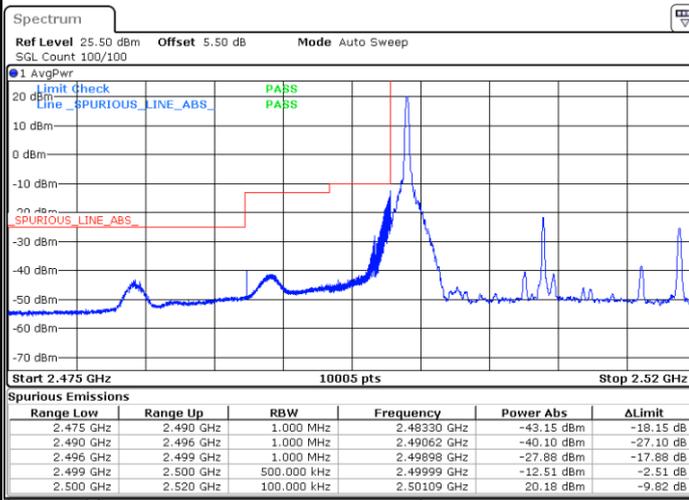


Date: 27.MAY.2020 02:56:40



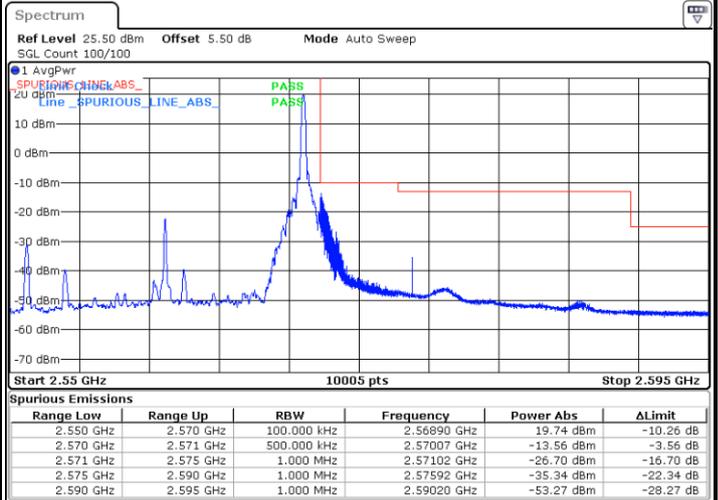
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



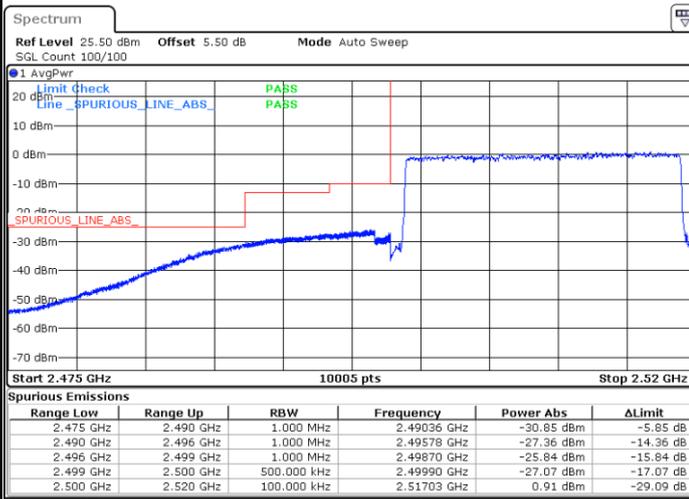
Date: 27.MAY.2020 02:22:28

Highest Band Edge / 1 RB



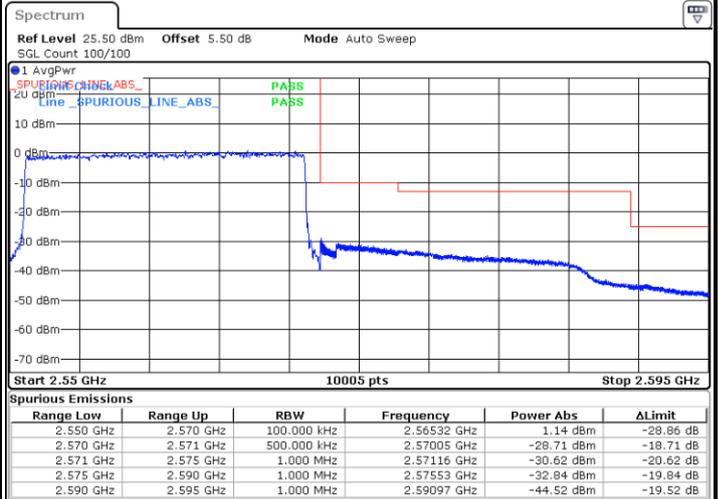
Date: 27.MAY.2020 02:30:25

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:25:53

Highest Band Edge / Full RB

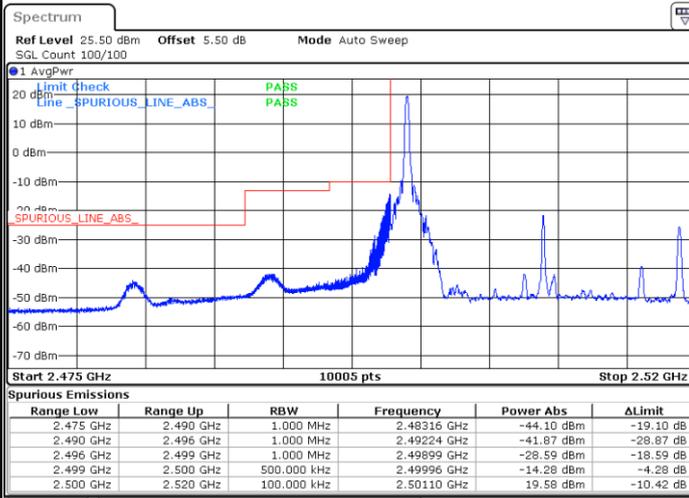


Date: 27.MAY.2020 02:27:01



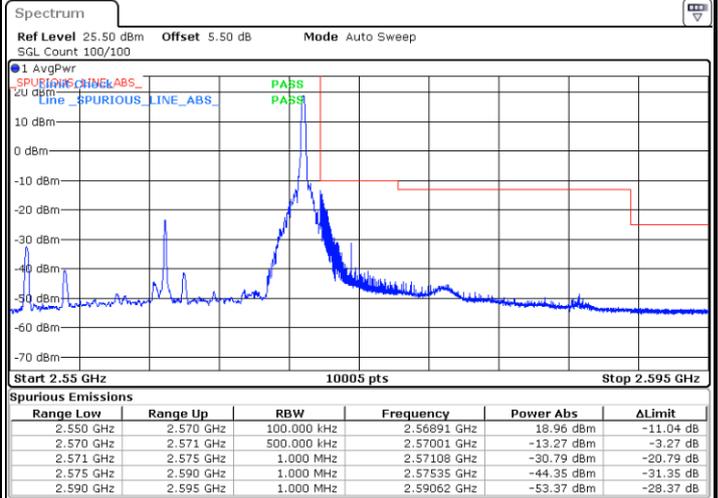
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



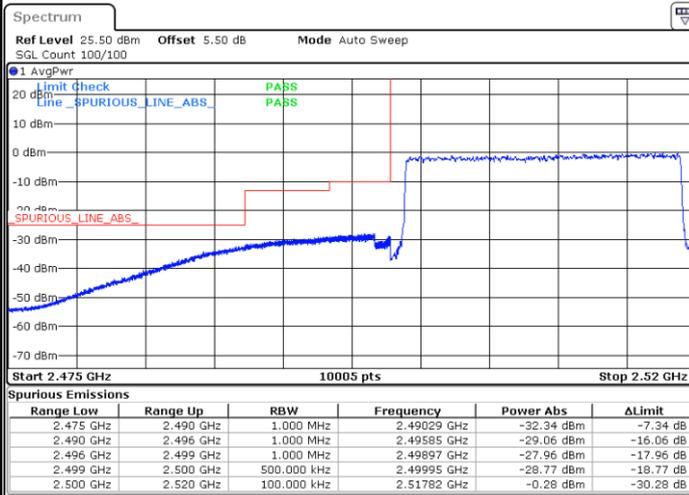
Date: 27.MAY.2020 02:23:37

Highest Band Edge / 1RB



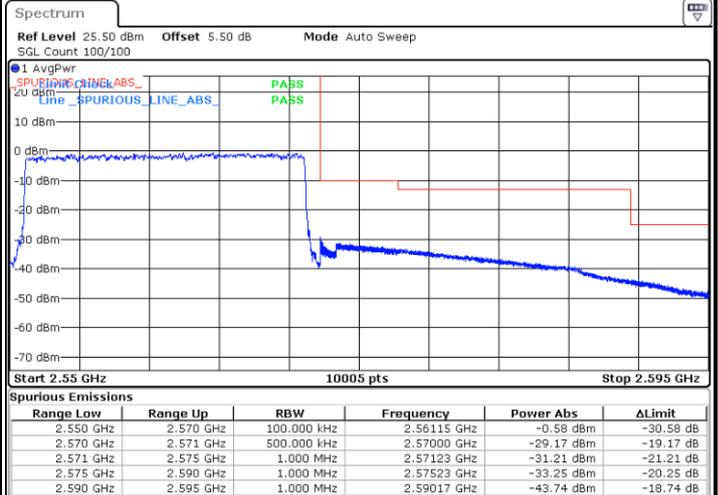
Date: 27.MAY.2020 02:29:17

Lowest Band Edge / Full RB



Date: 27.MAY.2020 02:24:45

Highest Band Edge / Full RB

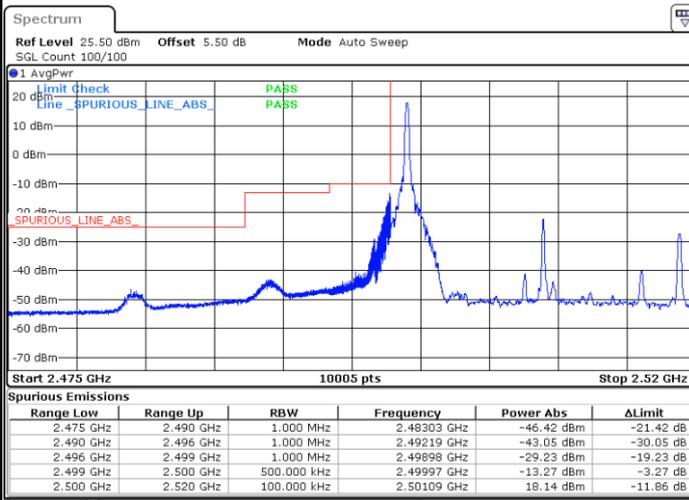


Date: 27.MAY.2020 02:28:09



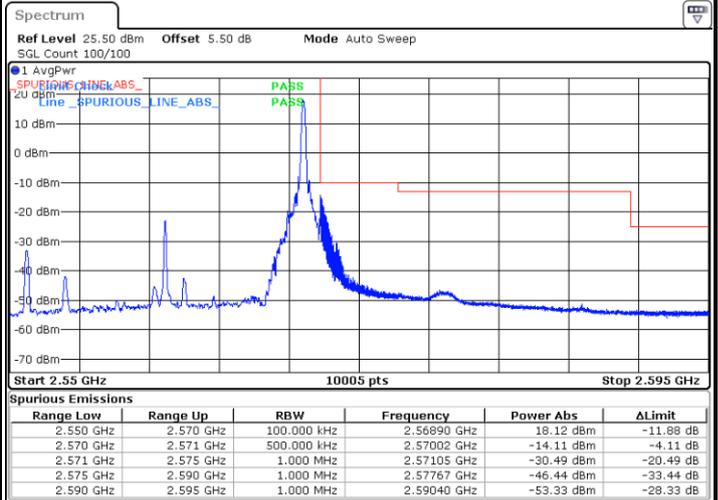
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



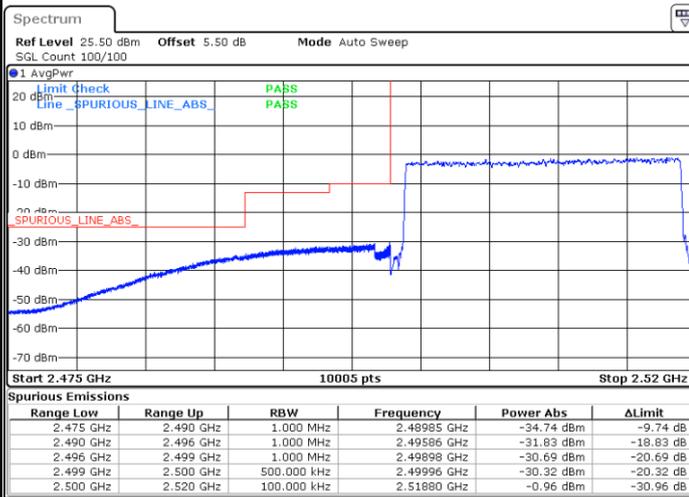
Date: 27.MAY.2020 03:03:45

Highest Band Edge / 1 RB



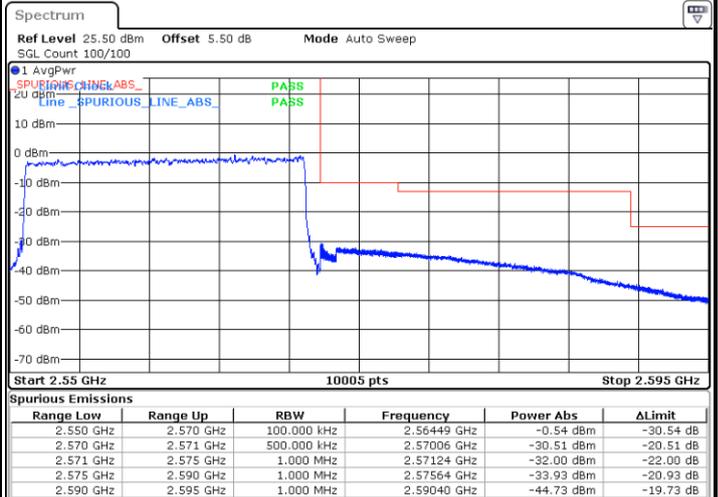
Date: 27.MAY.2020 03:06:01

Lowest Band Edge / Full RB



Date: 27.MAY.2020 03:02:37

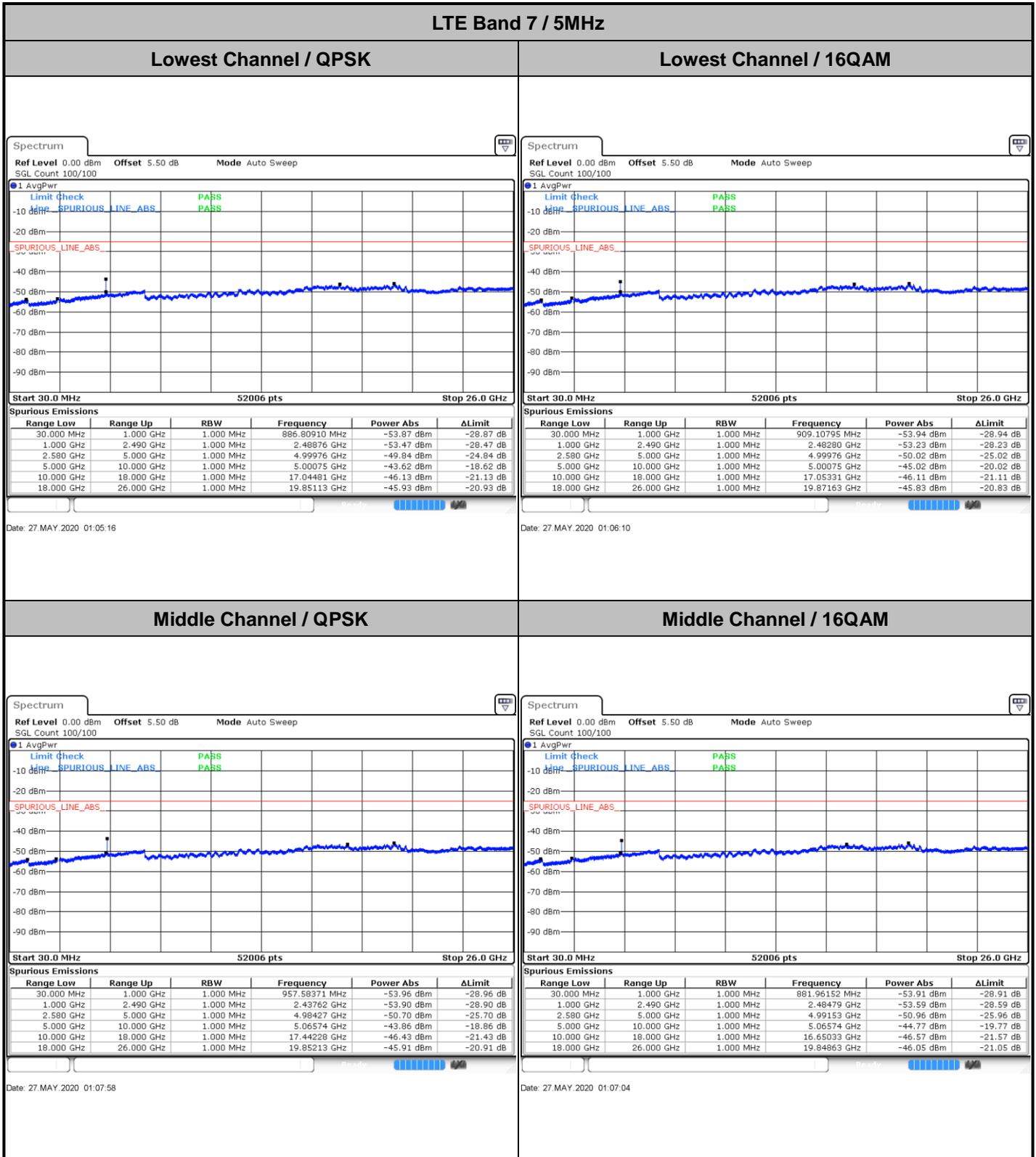
Highest Band Edge / Full RB



Date: 27.MAY.2020 03:04:53



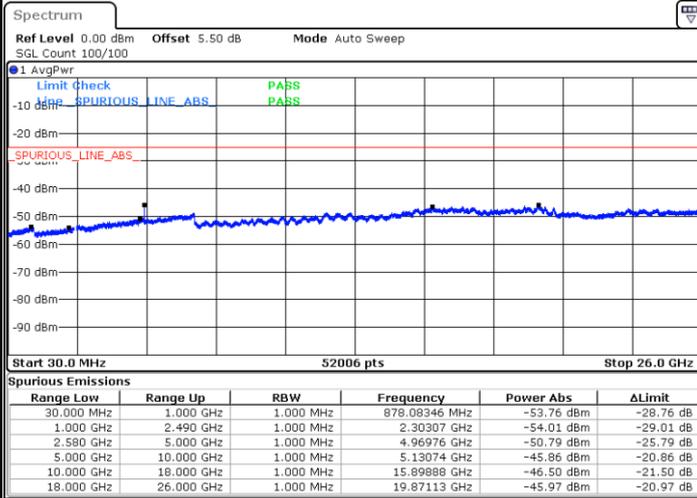
# Conducted Spurious Emission





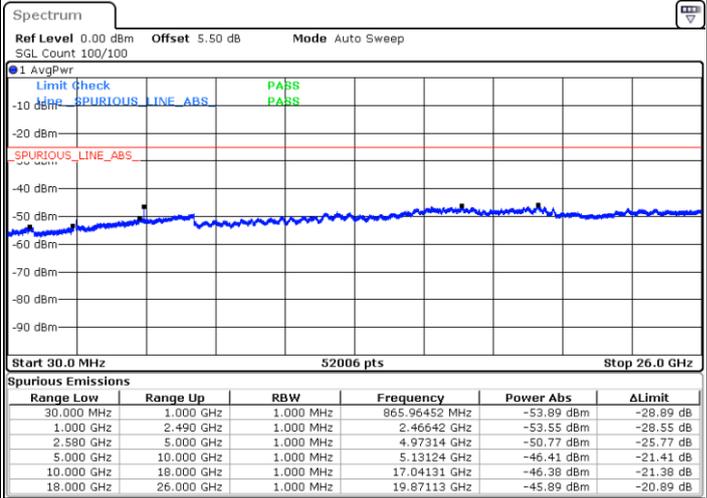
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 27.MAY.2020 01:08:52

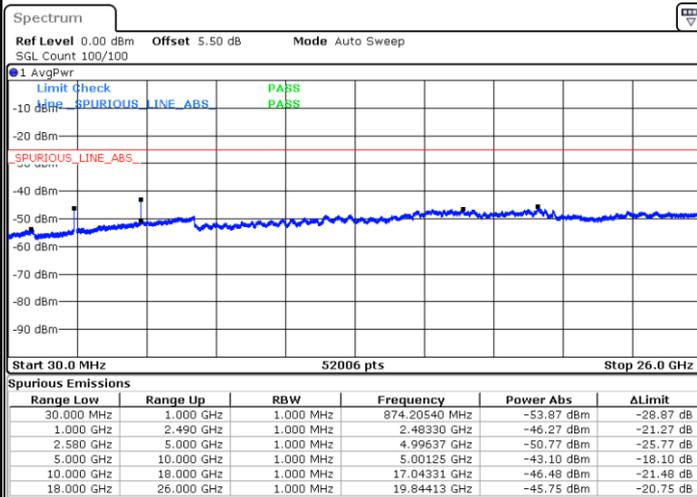
Highest Channel / 16QAM



Date: 27.MAY.2020 01:09:46

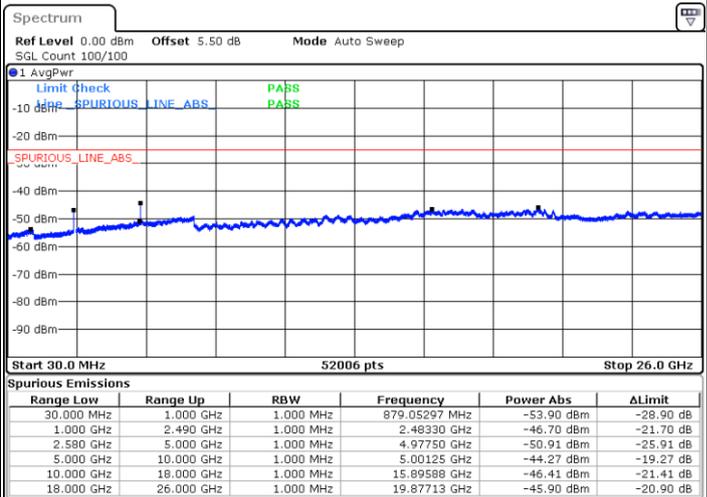
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 27.MAY.2020 01:21:46

Lowest Channel / 16QAM



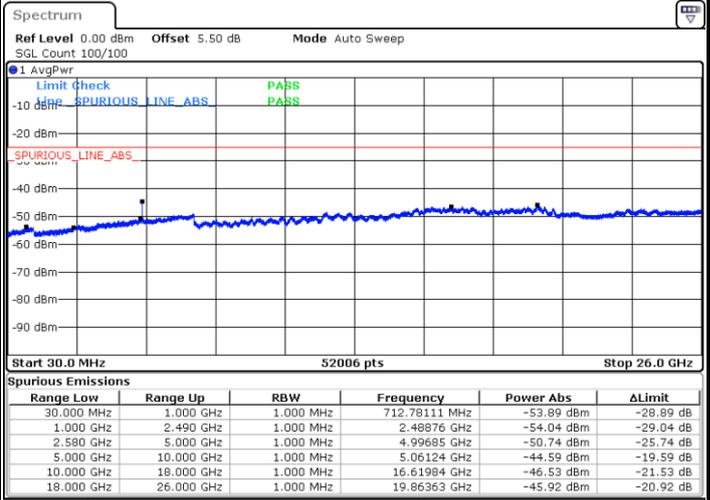
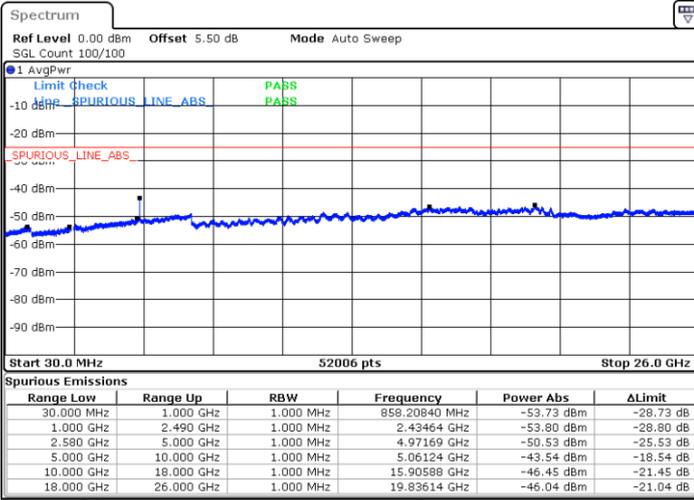
Date: 27.MAY.2020 01:22:40



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

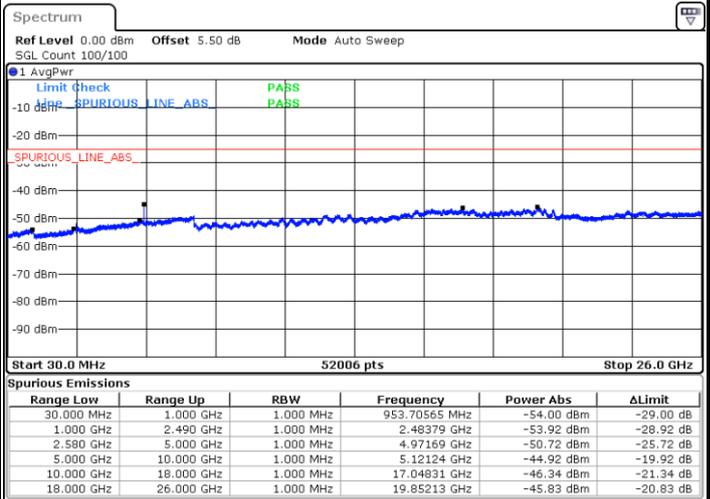
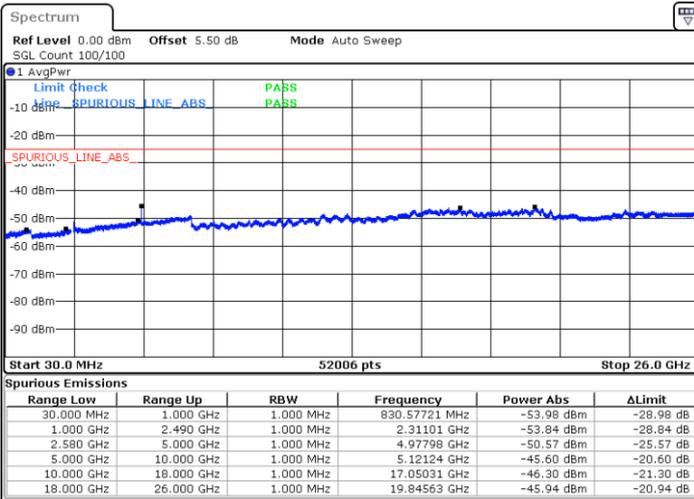


Date: 27.MAY.2020 01:24:28

Date: 27.MAY.2020 01:23:34

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.MAY.2020 01:25:22

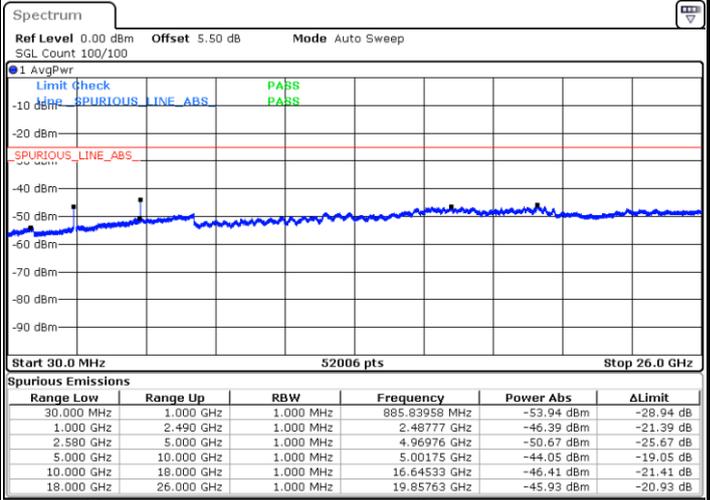
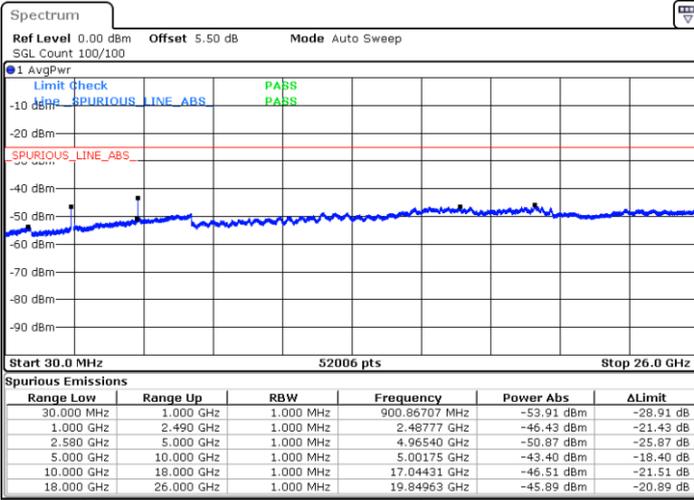
Date: 27.MAY.2020 01:26:15



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

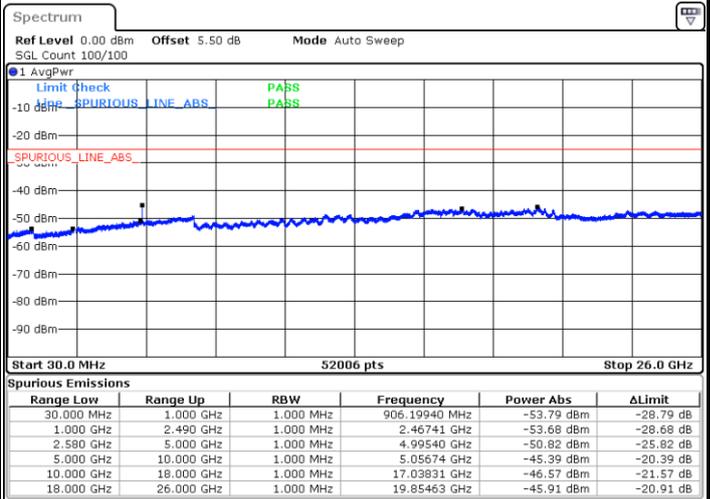
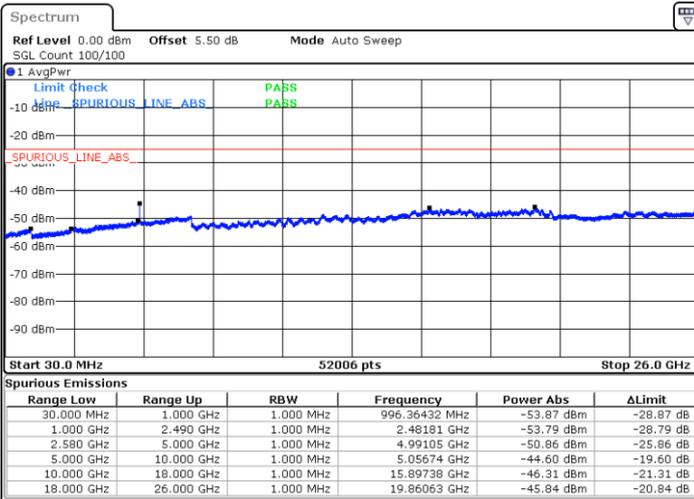


Date: 27.MAY.2020 01:38:14

Date: 27.MAY.2020 01:39:08

Middle Channel / QPSK

Middle Channel / 16QAM



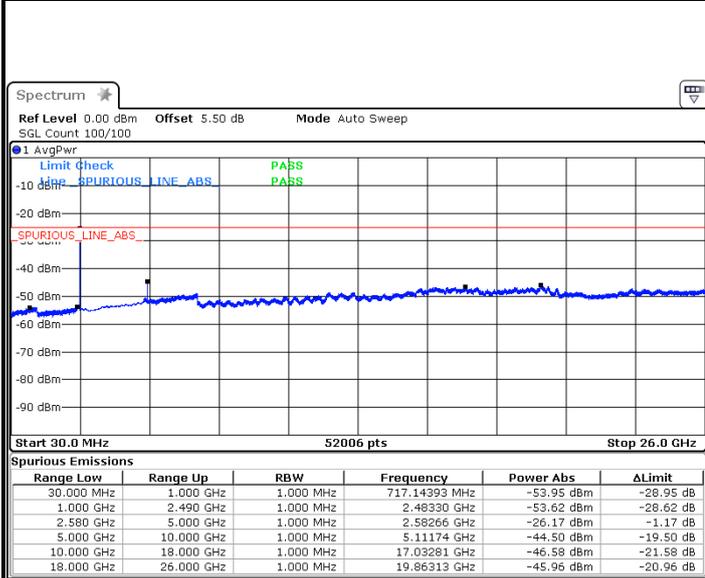
Date: 27.MAY.2020 01:40:56

Date: 27.MAY.2020 01:40:02



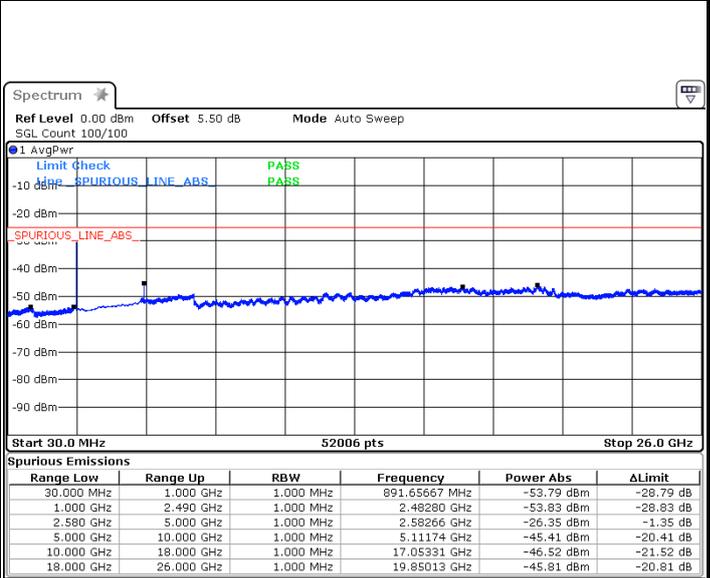
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 27.MAY.2020 02:13:06

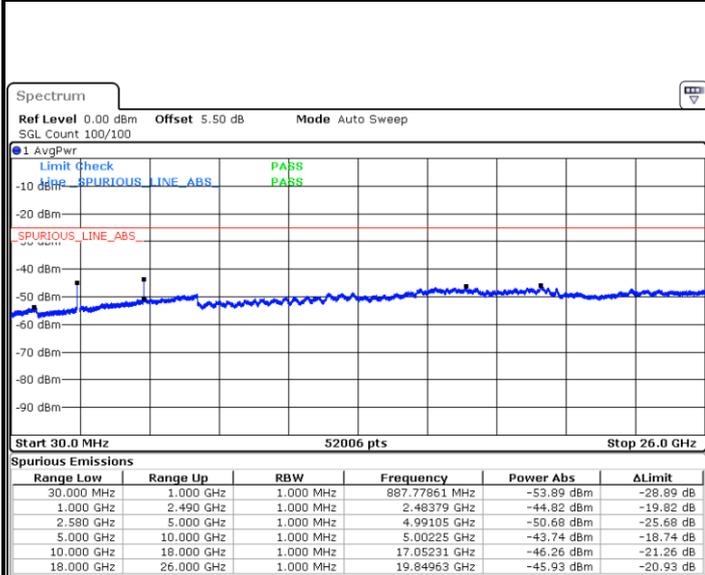
Highest Channel / 16QAM



Date: 27.MAY.2020 02:18:39

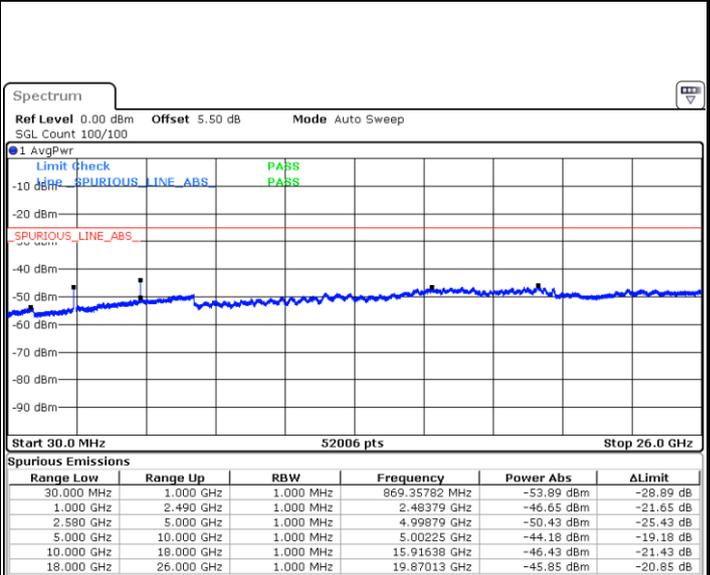
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 27.MAY.2020 02:31:18

Lowest Channel / 16QAM



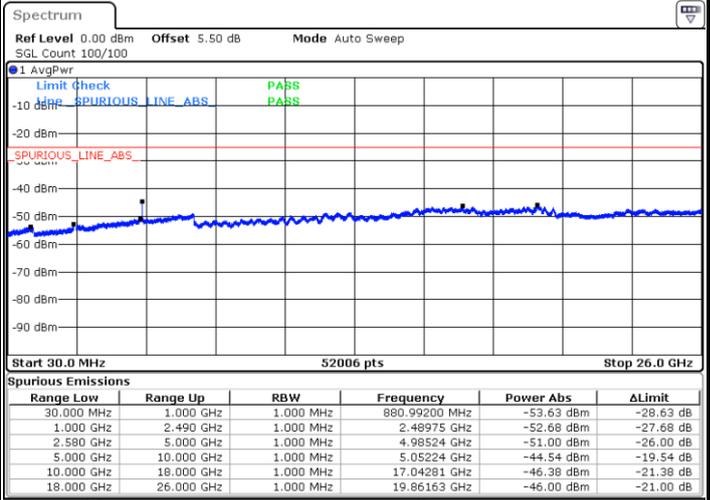
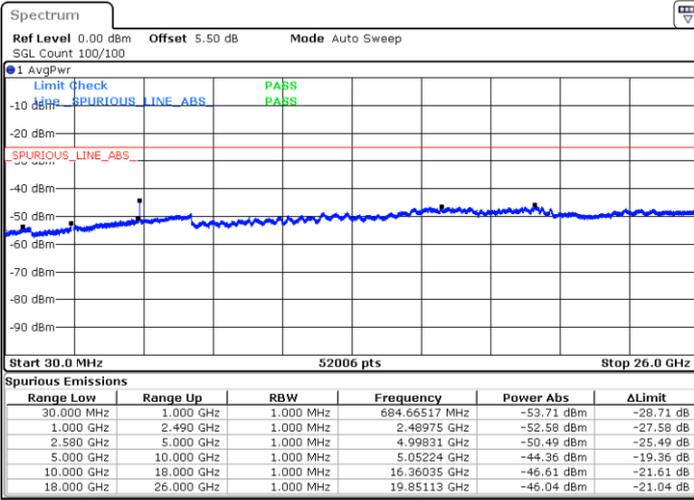
Date: 27.MAY.2020 02:32:12



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

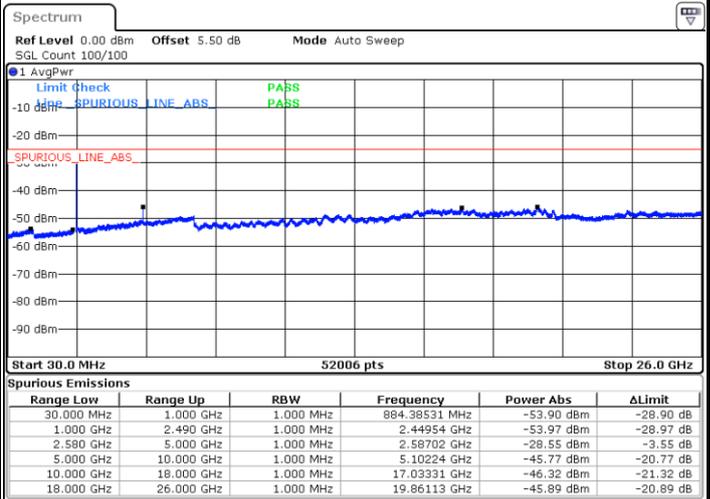
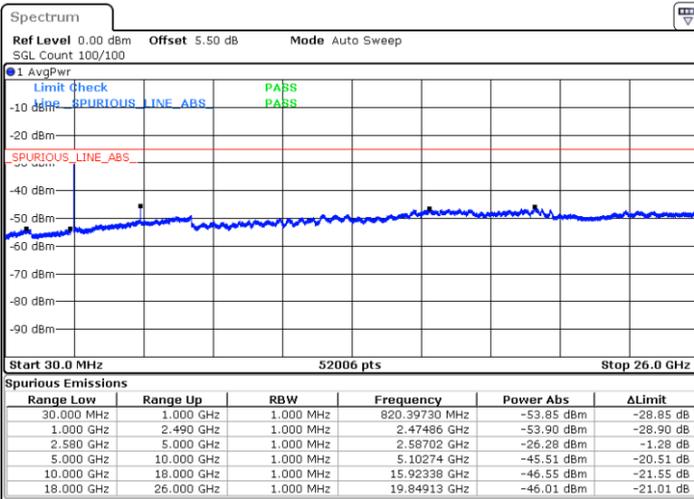


Date: 27.MAY.2020 02:33:59

Date: 27.MAY.2020 02:33:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27.MAY.2020 02:34:53

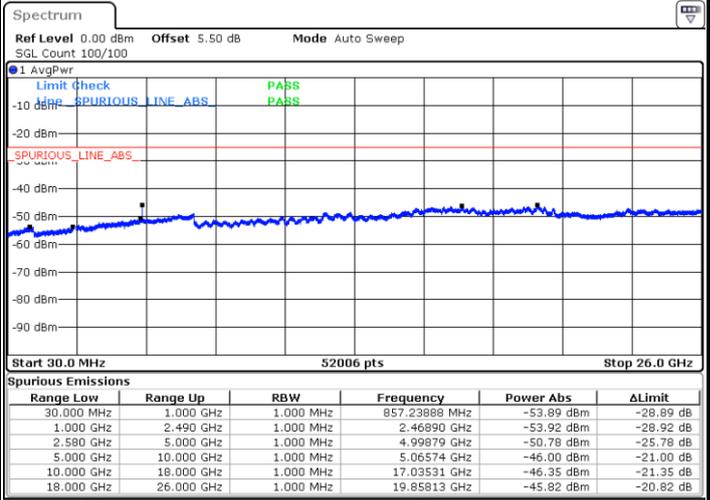
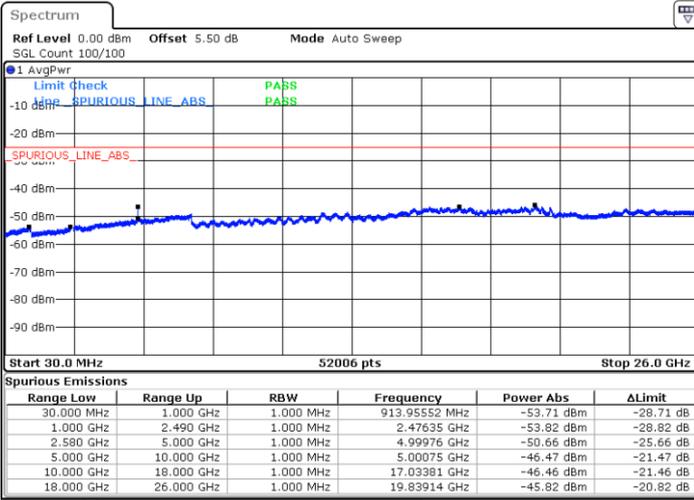
Date: 27.MAY.2020 02:35:47



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

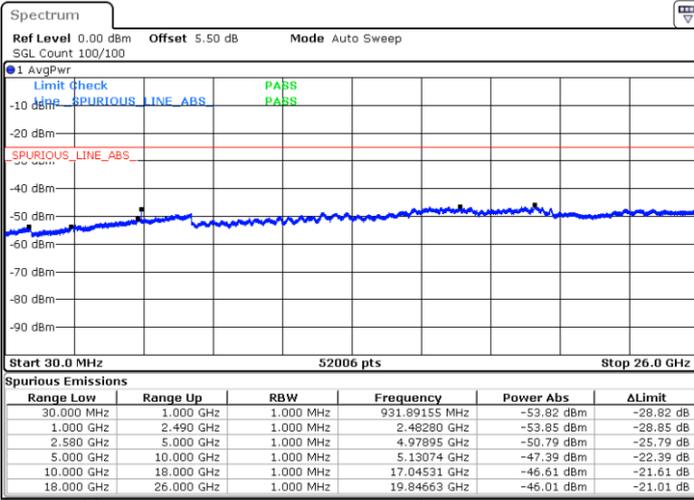
Middle Channel / 64QAM



Date: 27.MAY.2020 02:37:41

Date: 27.MAY.2020 02:38:35

Highest Channel / 64QAM



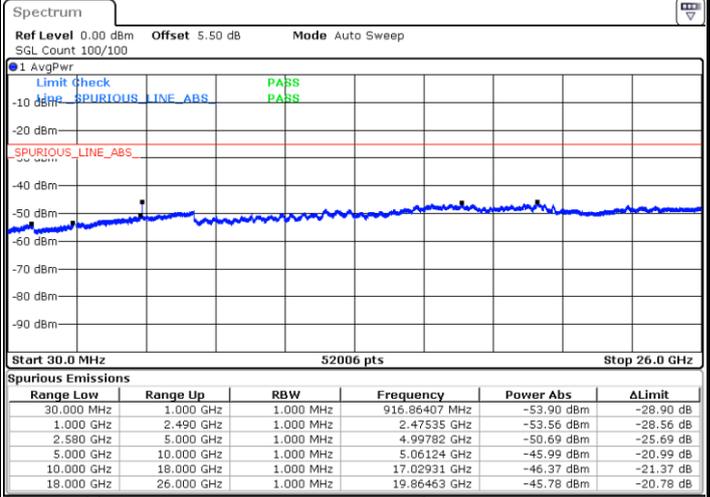
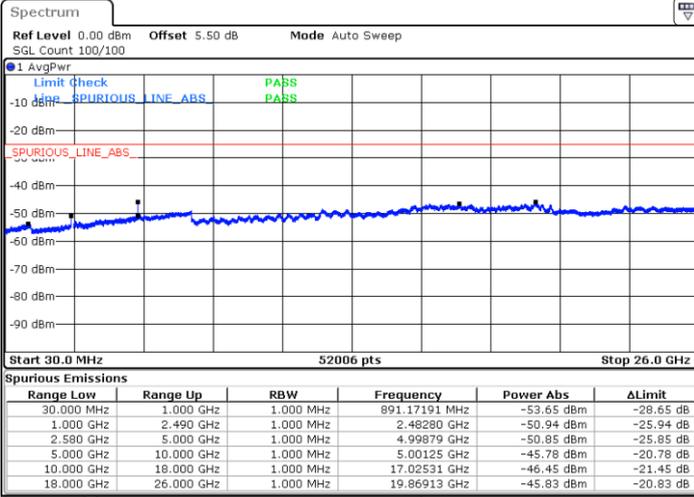
Date: 27.MAY.2020 02:39:28



LTE Band 7 / 10MHz

Lowest Channel / 64QAM

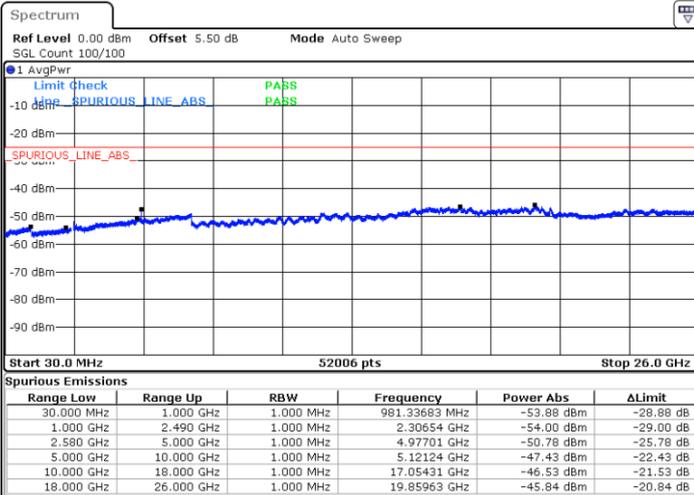
Middle Channel / 64QAM



Date: 27.MAY.2020 02:45:54

Date: 27.MAY.2020 02:46:48

Highest Channel / 64QAM



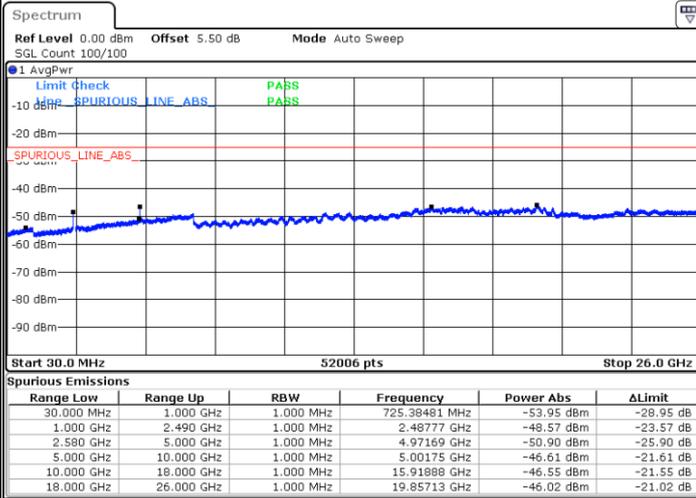
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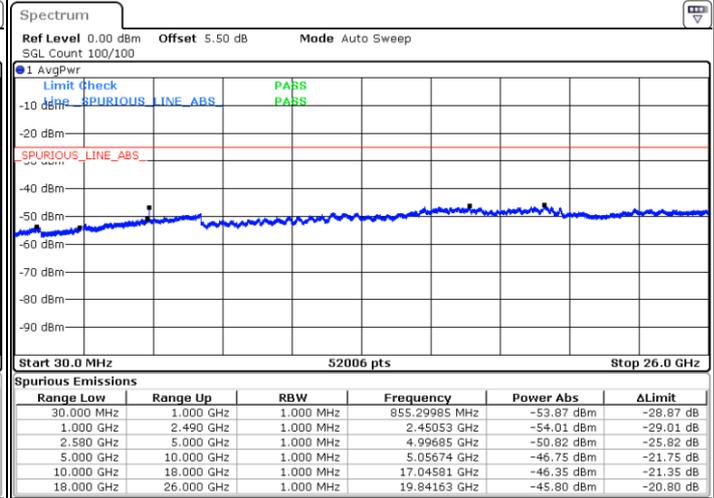
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

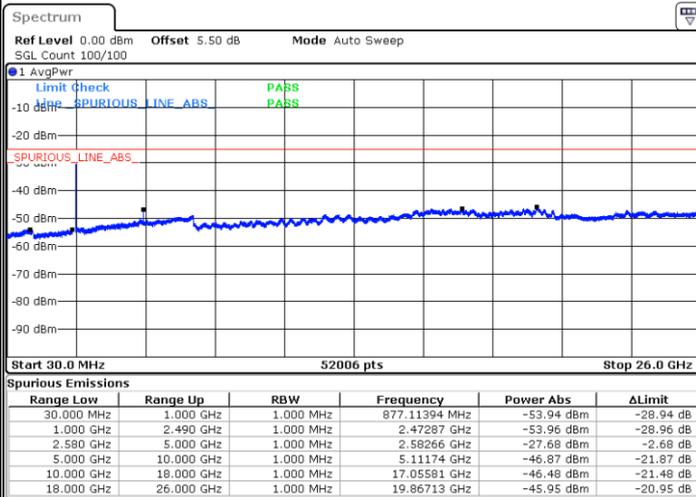


Date: 27.MAY.2020 02:58:40



Date: 27.MAY.2020 02:59:34

Highest Channel / 64QAM



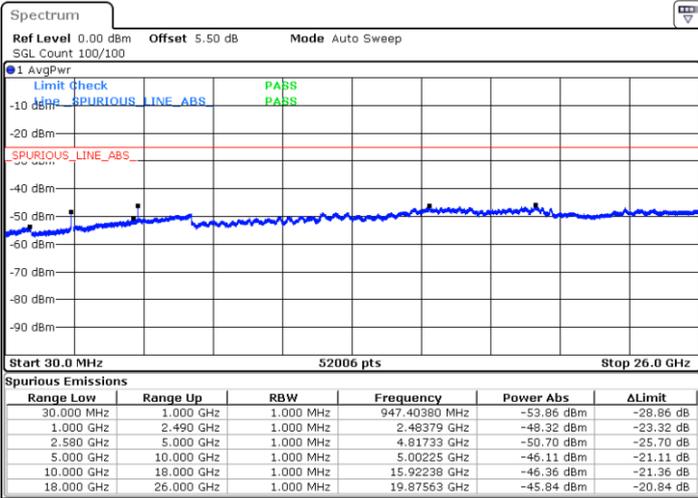
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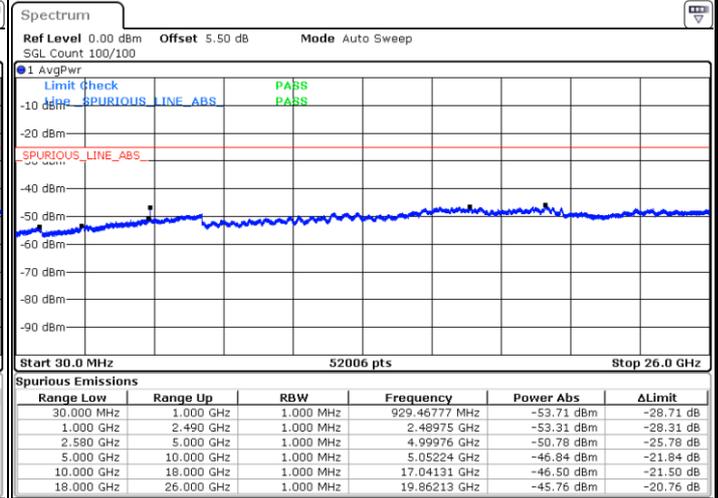
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

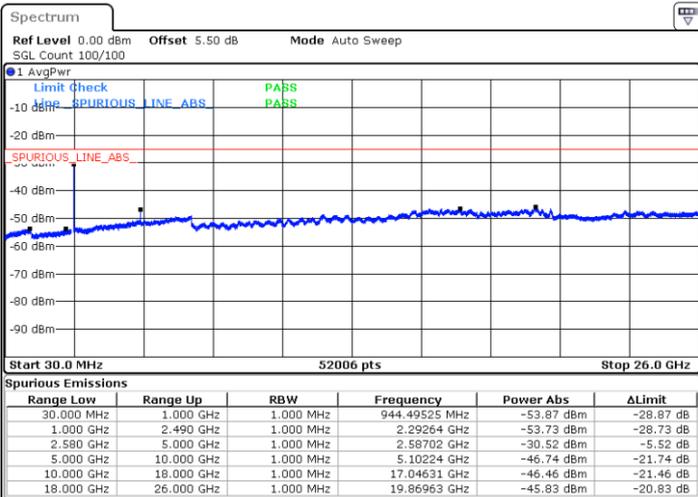


Date: 27.MAY.2020 03:06:54



Date: 27.MAY.2020 03:07:48

Highest Channel / 64QAM



Date: 27.MAY.2020 03:08:41



### 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	0.0027	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0038	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0037	

**Note:**

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



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

LTE Band 4 / 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	3447.18	-60.01	-13	-47.01	-70.75	2.604	13.34	H
	5169	-44.75	-13	-31.75	-55.26	3.011	13.52	H
	6900	-49.86	-13	-36.86	-60.06	3.271	13.47	H
	3447	-60.15	-13	-47.15	-70.89	2.604	13.34	V
	5172	-46.47	-13	-33.47	-56.98	3.011	13.52	V
	6900	-49.62	-13	-36.62	-59.82	3.271	13.47	V

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

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	-60.61	-25	-35.61	-70.82	3.03	13.24	H
	7576	-50.19	-25	-25.19	-59.64	3.56	13.01	H
	10100	-40.80	-25	-15.80	-50.32	3.92	13.44	H
	5052	-63.90	-25	-38.90	-74.11	3.03	13.24	V
	7580	-51.55	-25	-26.55	-61.00	3.56	13.01	V
	10100	-45.52	-25	-20.52	-55.04	3.92	13.44	V

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