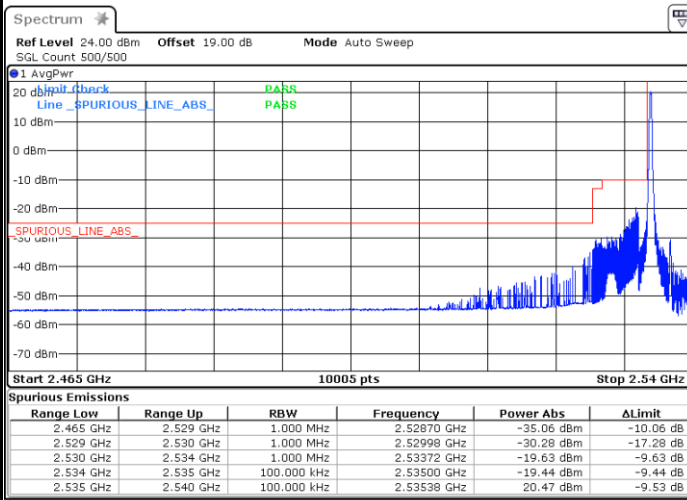




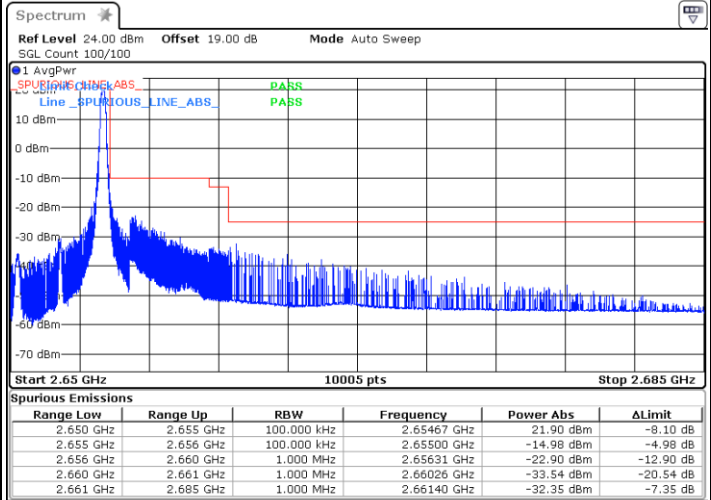
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



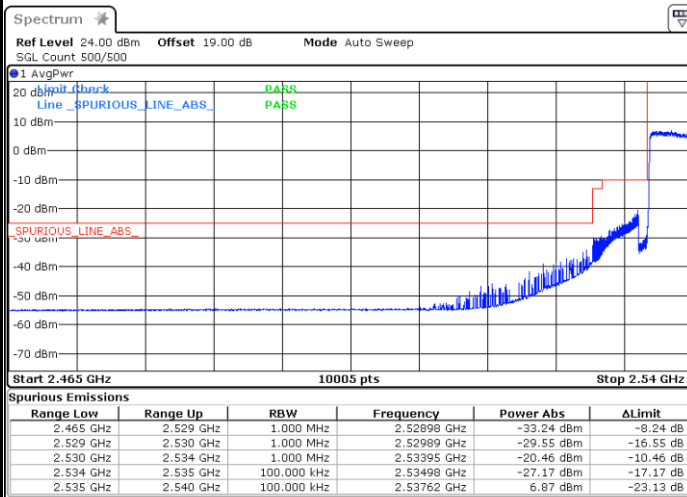
Date: 8.OCT.2021 12:10:27

Highest Band Edge / 1 RB



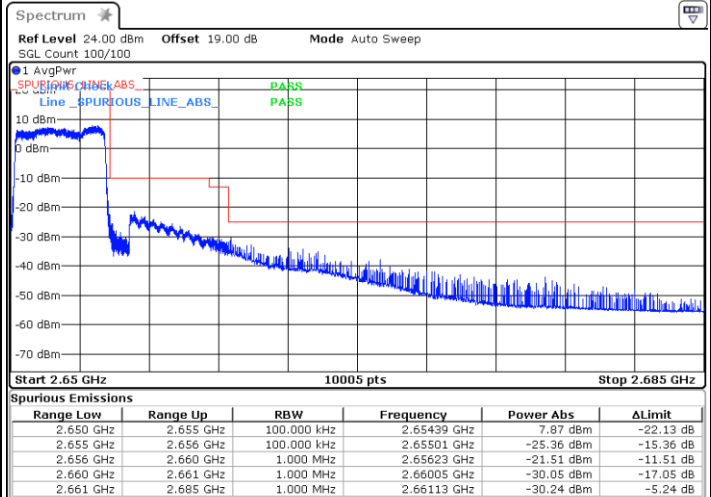
Date: 28.SEP.2021 14:10:12

Lowest Band Edge / Full RB



Date: 8.OCT.2021 12:09:27

Highest Band Edge / Full RB

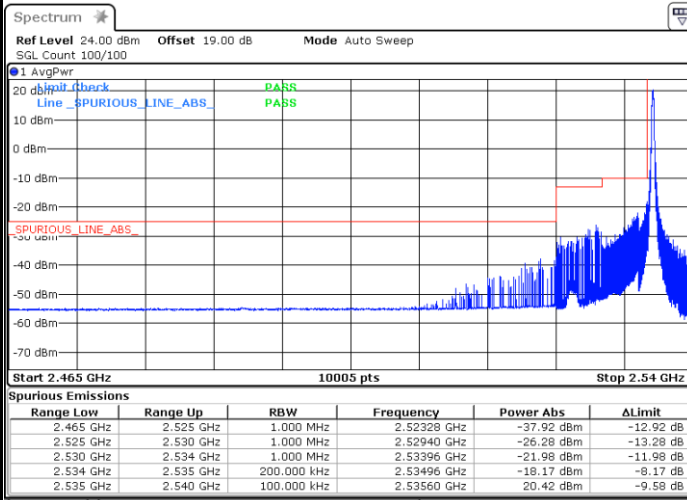


Date: 28.SEP.2021 14:08:48



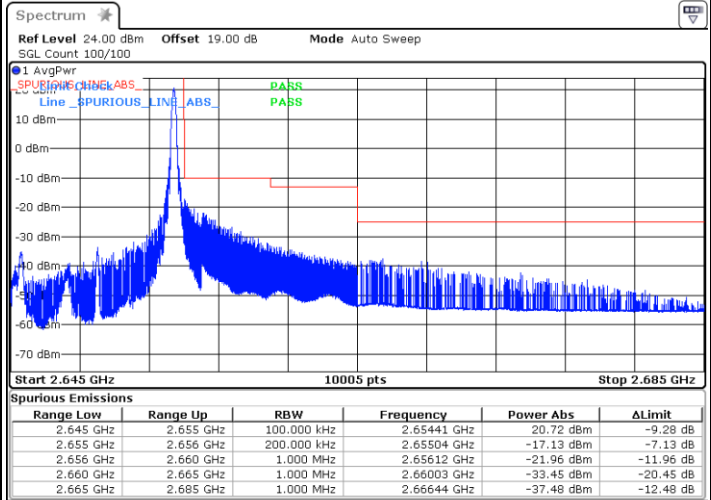
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



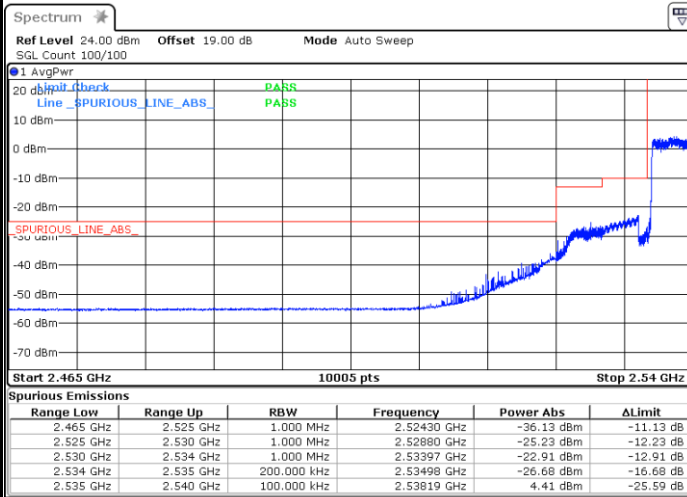
Date: 26 SEP 2021 15:38:21

Highest Band Edge / 1 RB



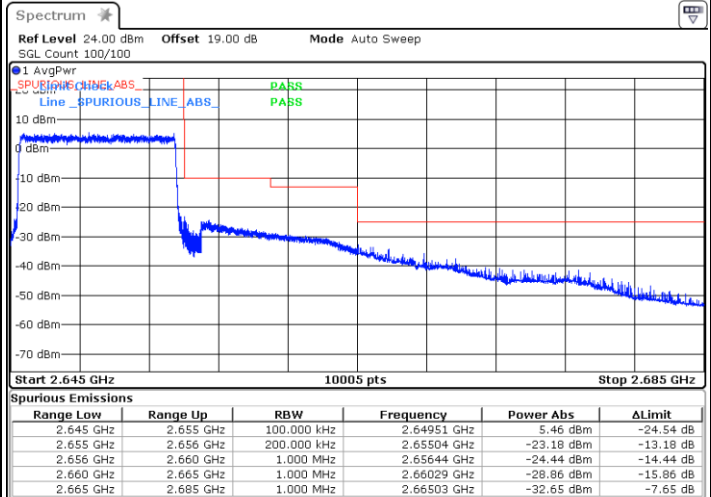
Date: 28 SEP 2021 14:14:13

Lowest Band Edge / Full RB



Date: 26 SEP 2021 15:35:11

Highest Band Edge / Full RB

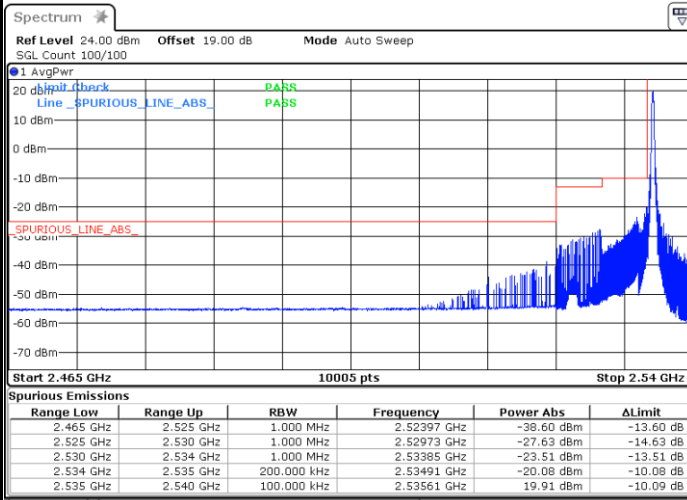


Date: 28 SEP 2021 14:19:28



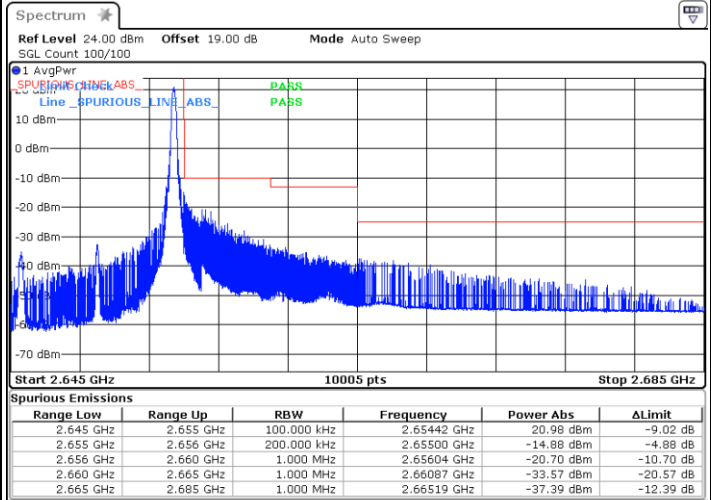
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



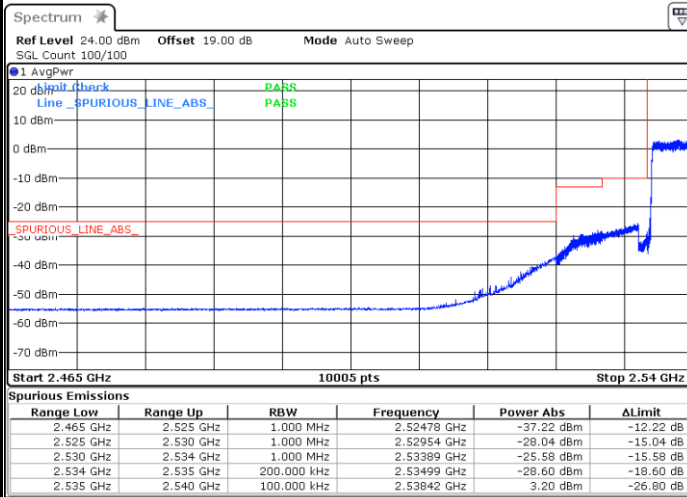
Date: 26 SEP 2021 15:37:47

Highest Band Edge / 1 RB



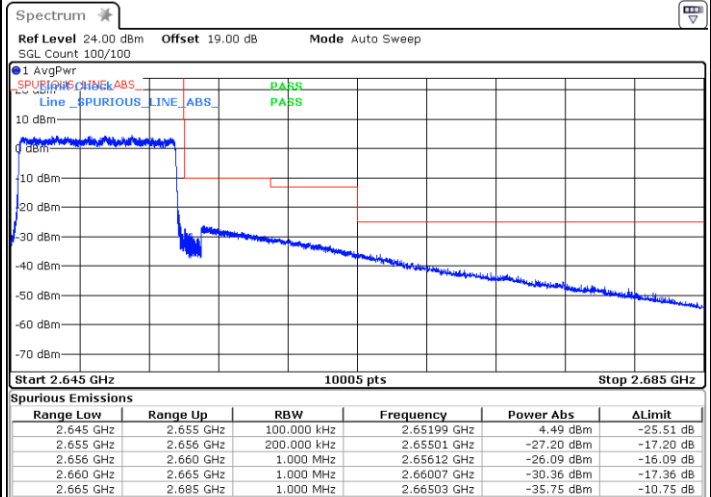
Date: 28 SEP 2021 14:16:00

Lowest Band Edge / Full RB



Date: 26 SEP 2021 15:35:48

Highest Band Edge / Full RB

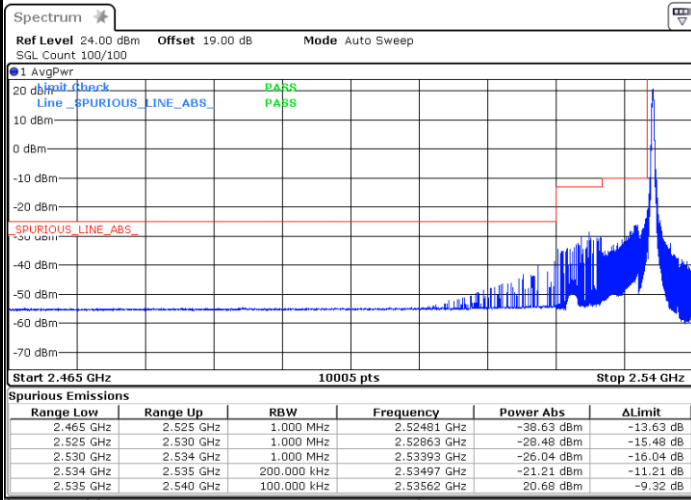


Date: 28 SEP 2021 14:18:33



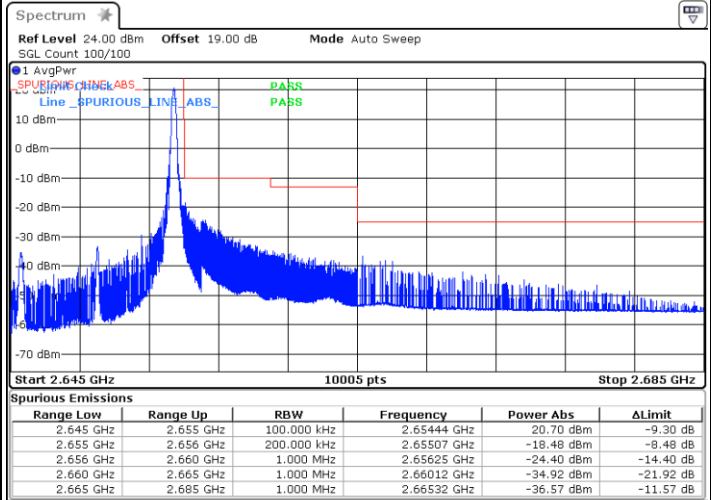
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



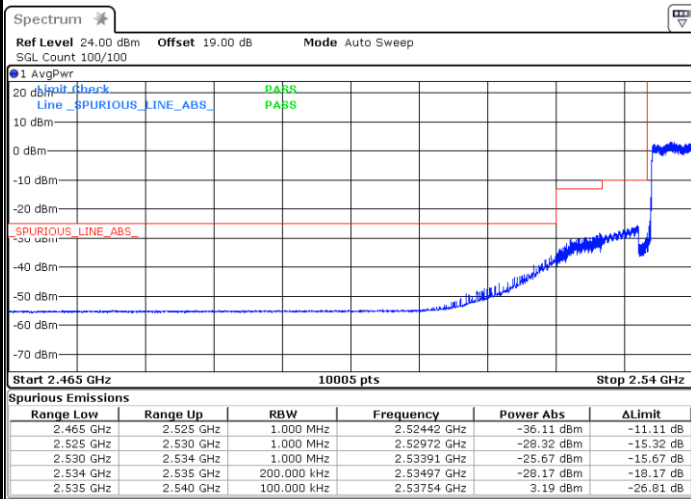
Date: 26 SEP 2021 15:37:14

Highest Band Edge / 1 RB



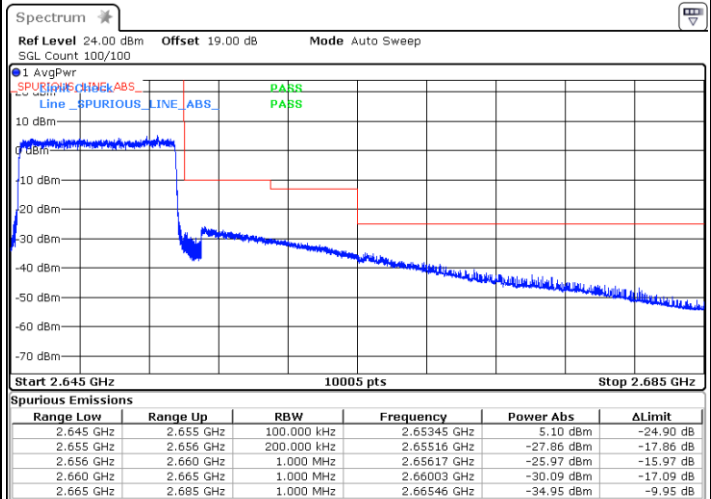
Date: 28 SEP 2021 14:17:04

Lowest Band Edge / Full RB



Date: 26 SEP 2021 15:36:30

Highest Band Edge / Full RB

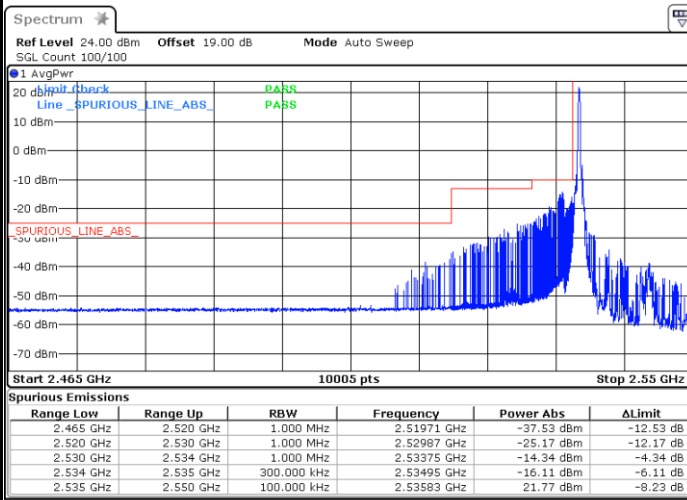


Date: 28 SEP 2021 14:17:43



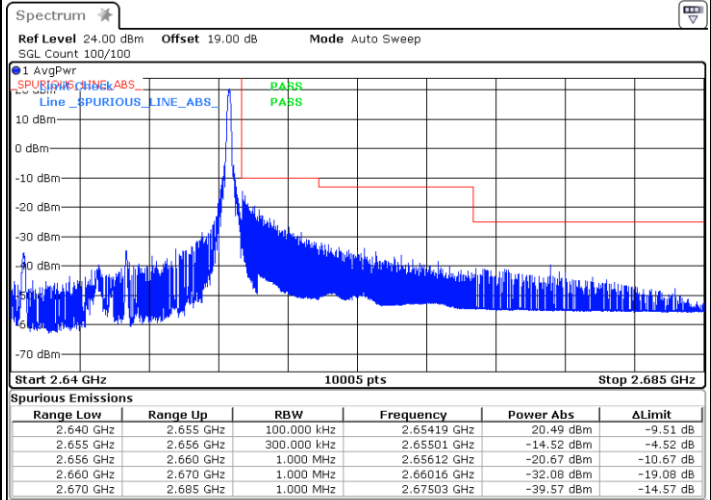
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



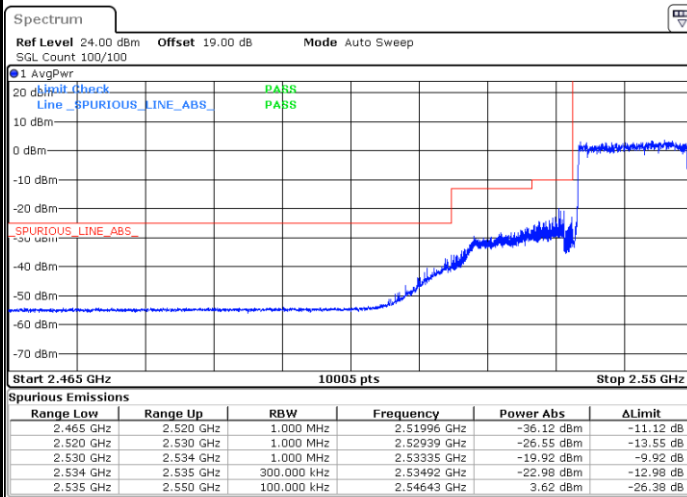
Date: 8.OCT.2021 12:27:15

Highest Band Edge / 1 RB



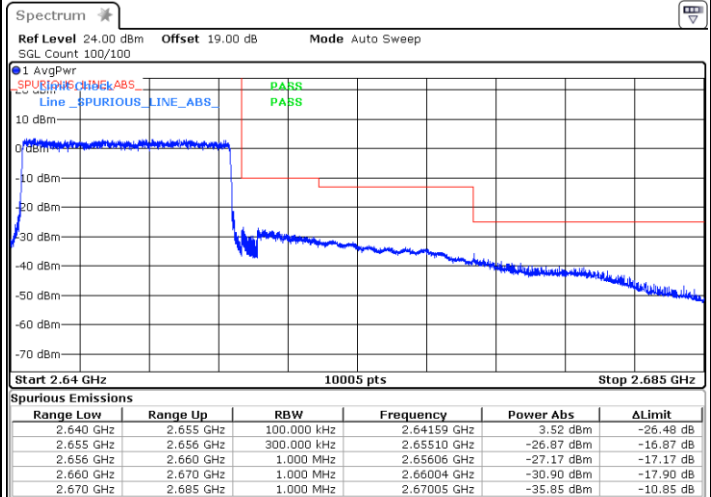
Date: 28.SEP.2021 14:29:16

Lowest Band Edge / Full RB



Date: 8.OCT.2021 12:26:29

Highest Band Edge / Full RB

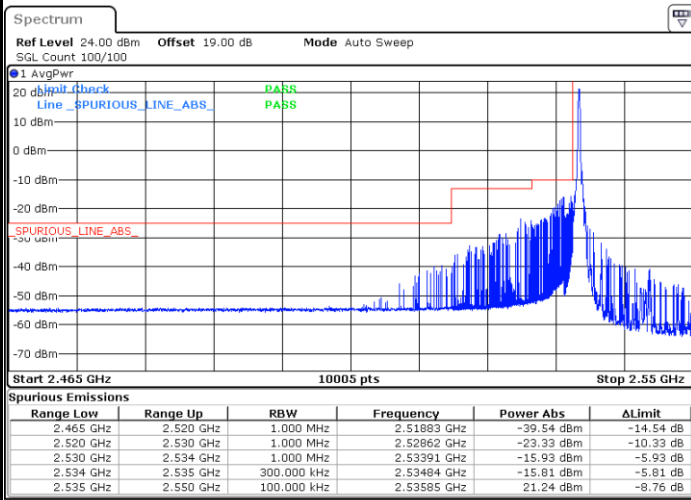


Date: 28.SEP.2021 14:30:13



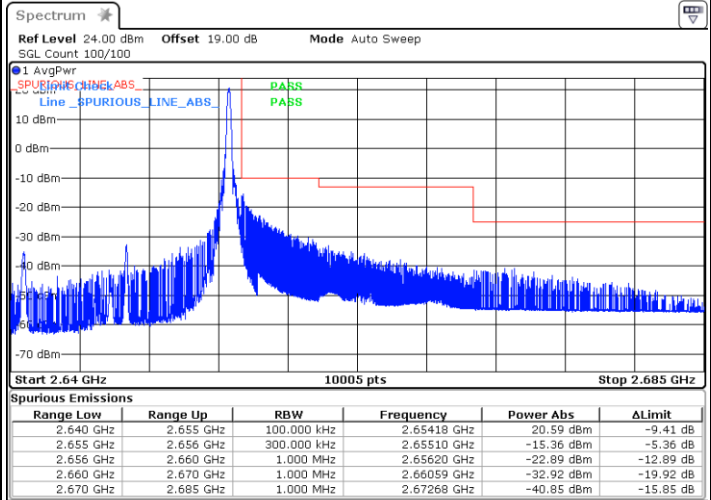
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



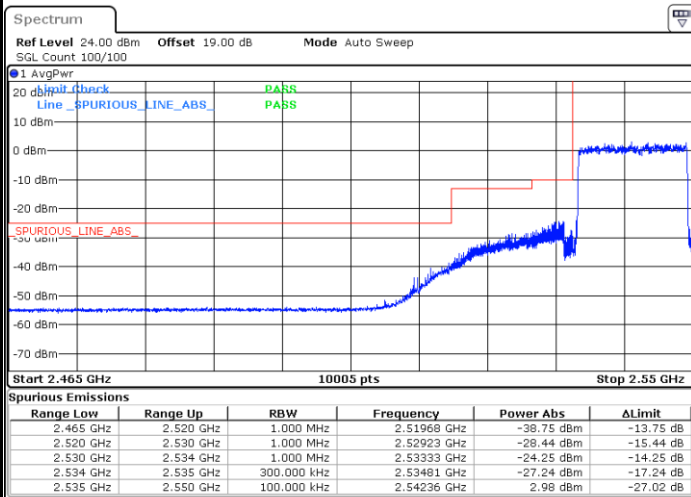
Date: 8.OCT.2021 12:27:51

Highest Band Edge / 1 RB



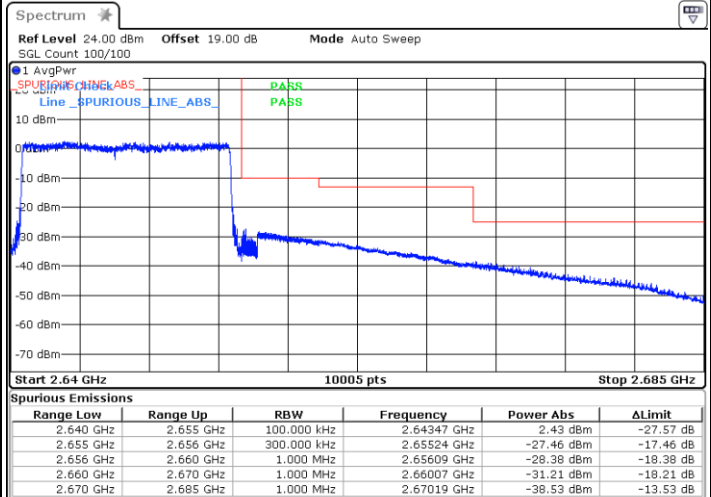
Date: 28.SEP.2021 14:28:14

Lowest Band Edge / Full RB



Date: 8.OCT.2021 12:26:08

Highest Band Edge / Full RB

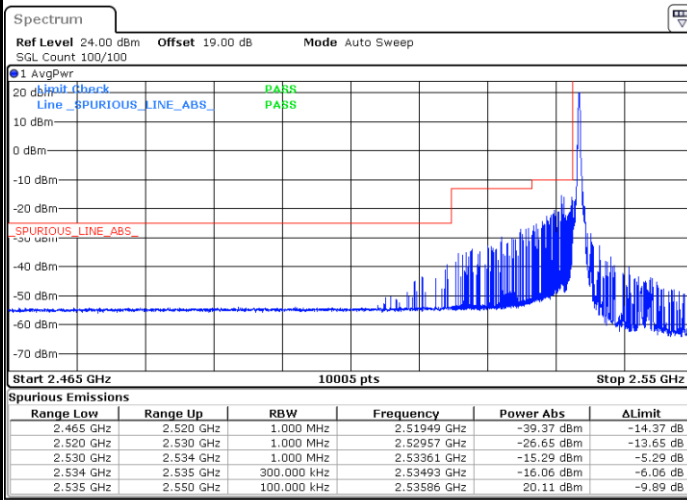


Date: 28.SEP.2021 14:31:11



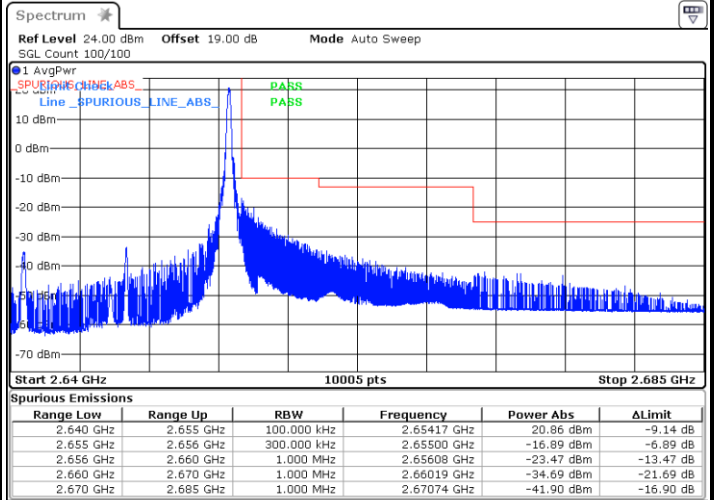
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



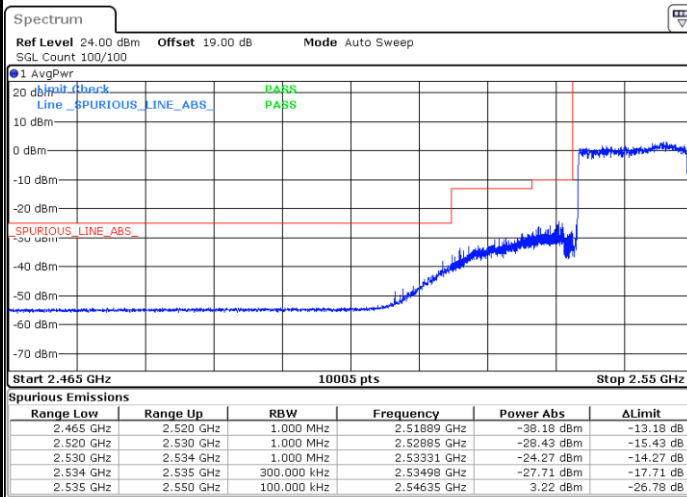
Date: 8.OCT.2021 12:28:11

Highest Band Edge / 1 RB



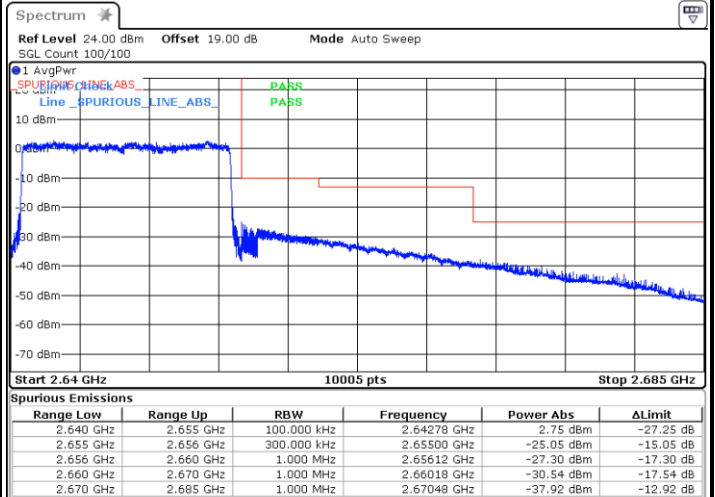
Date: 28.SEP.2021 14:27:10

Lowest Band Edge / Full RB



Date: 8.OCT.2021 12:25:43

Highest Band Edge / Full RB



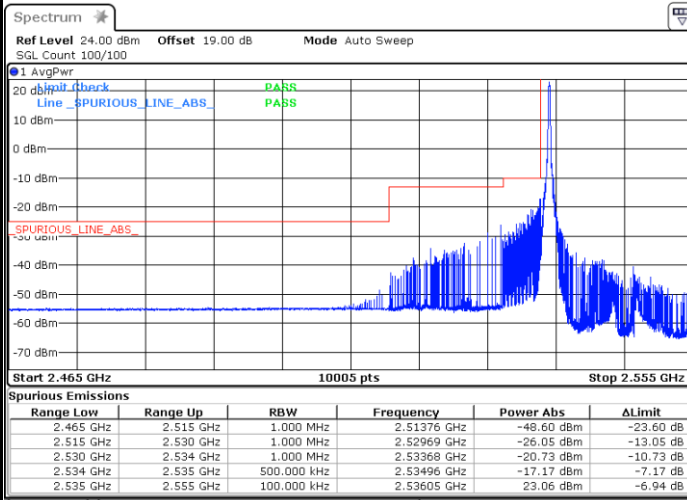
Date: 28.SEP.2021 14:32:09





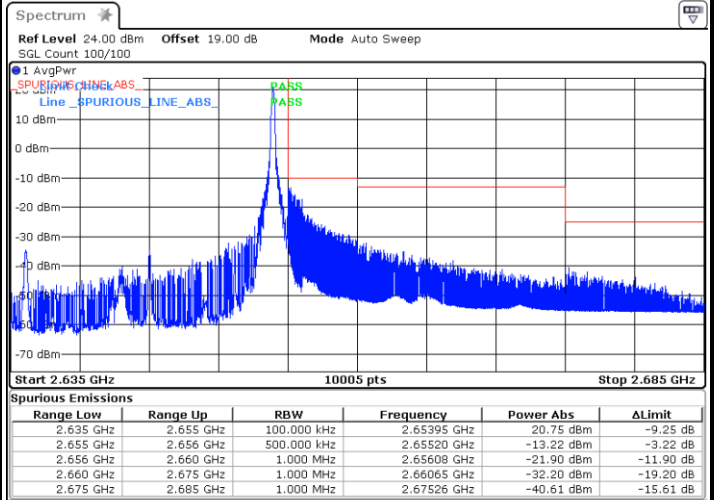
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



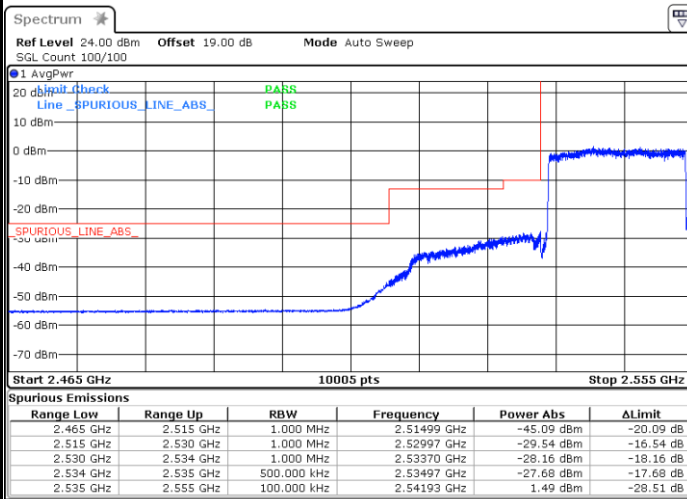
Date: 26 SEP 2021 15:51:15

Highest Band Edge / 1 RB



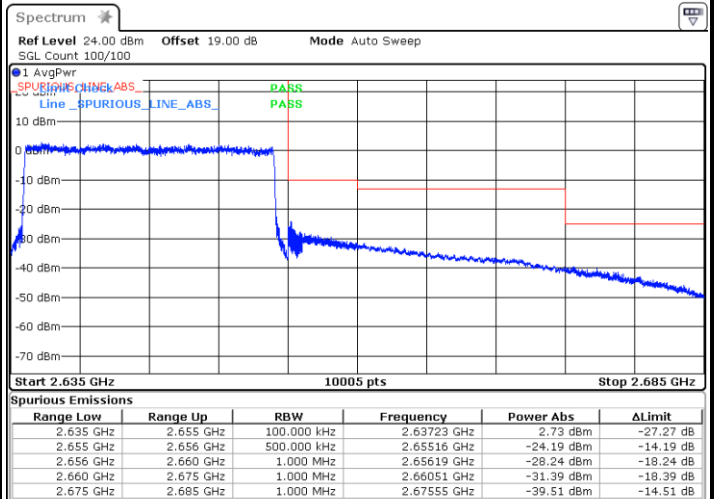
Date: 28 SEP 2021 14:51:13

Lowest Band Edge / Full RB



Date: 26 SEP 2021 15:46:44

Highest Band Edge / Full RB



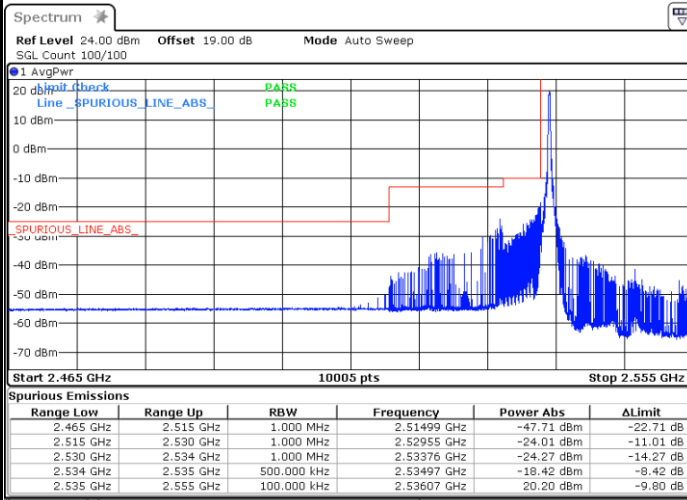
Date: 28 SEP 2021 14:39:30





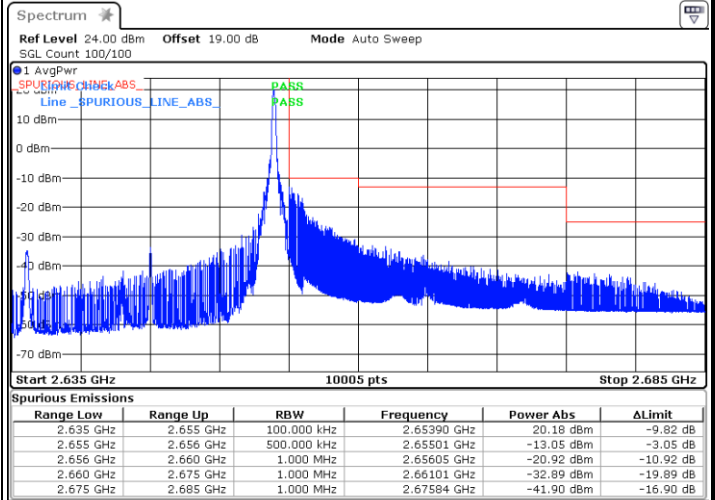
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



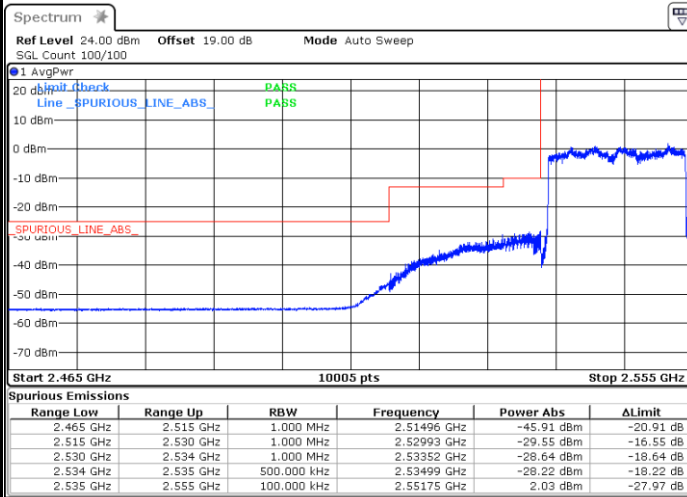
Date: 26 SEP 2021 15:50:27

Highest Band Edge / 1 RB



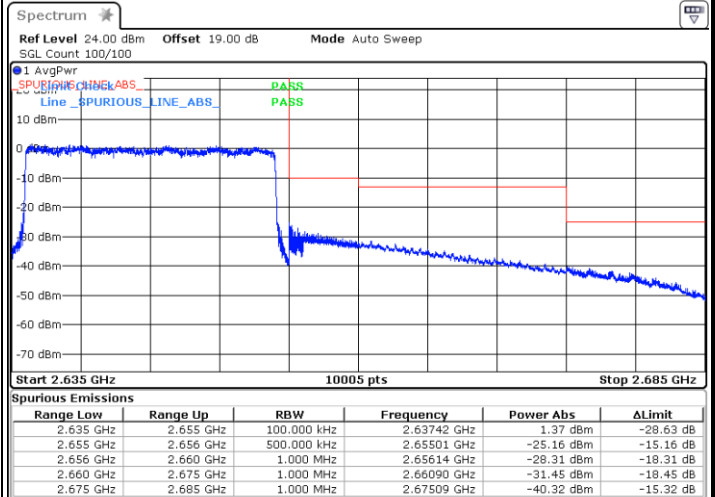
Date: 28 SEP 2021 14:50:31

Lowest Band Edge / Full RB



Date: 26 SEP 2021 15:48:01

Highest Band Edge / Full RB

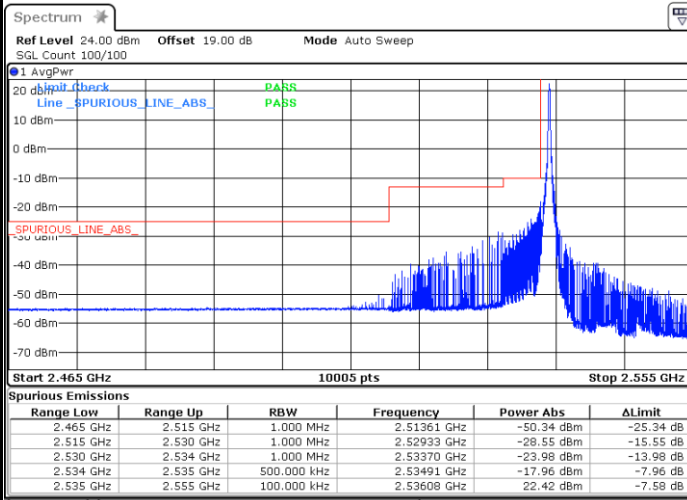


Date: 28 SEP 2021 14:46:45



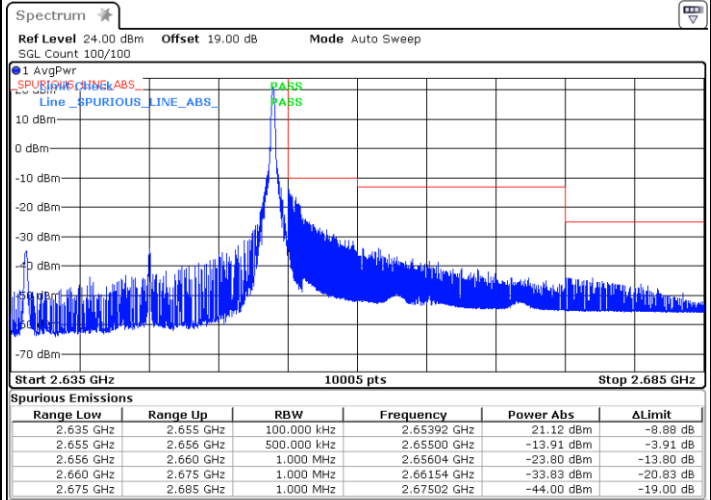
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



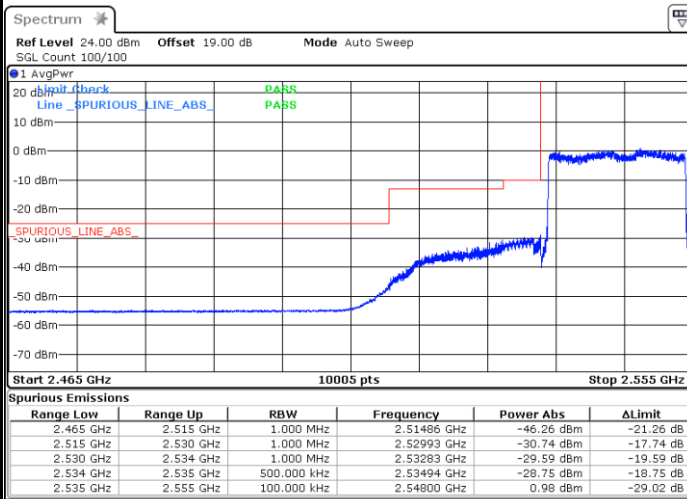
Date: 26 SEP 2021 15:49:48

Highest Band Edge / 1 RB



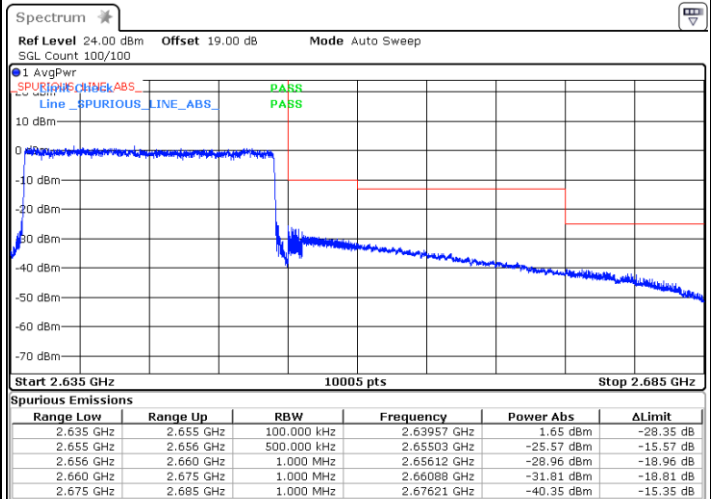
Date: 28 SEP 2021 14:49:13

Lowest Band Edge / Full RB



Date: 26 SEP 2021 15:48:44

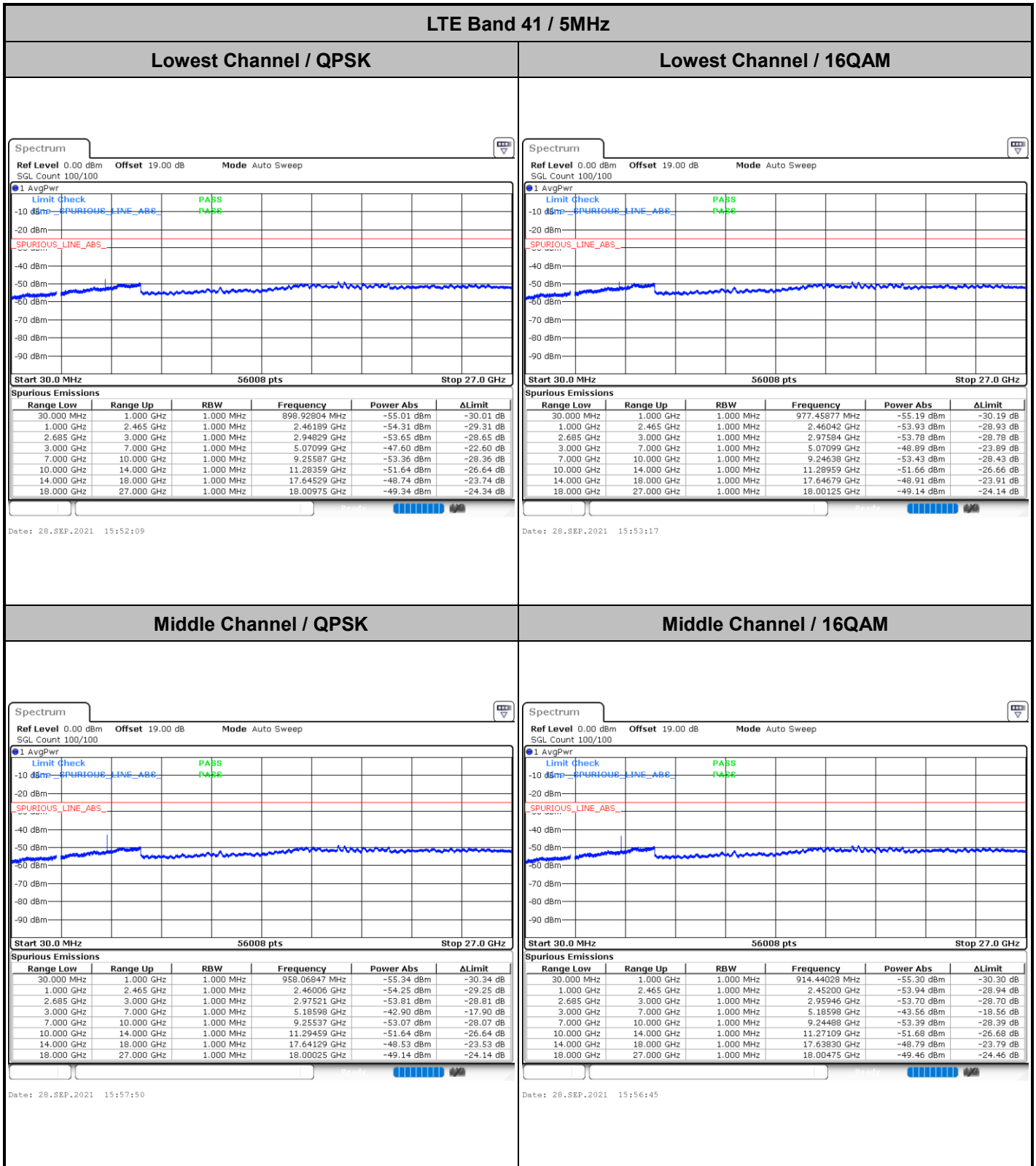
Highest Band Edge / Full RB



Date: 28 SEP 2021 14:48:24



# Conducted Spurious Emission

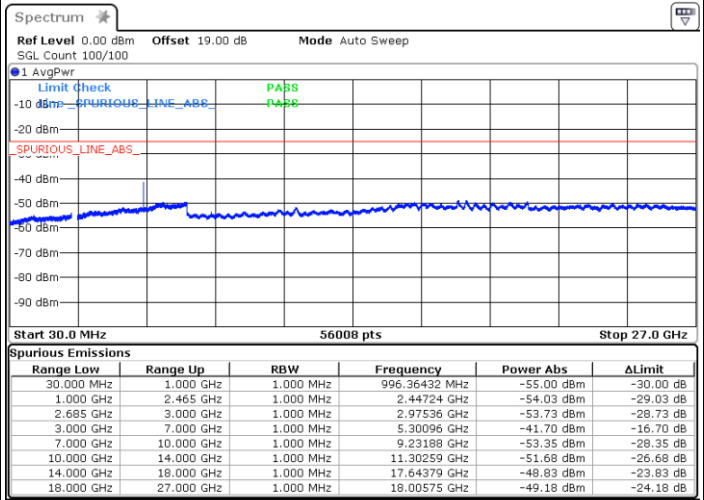
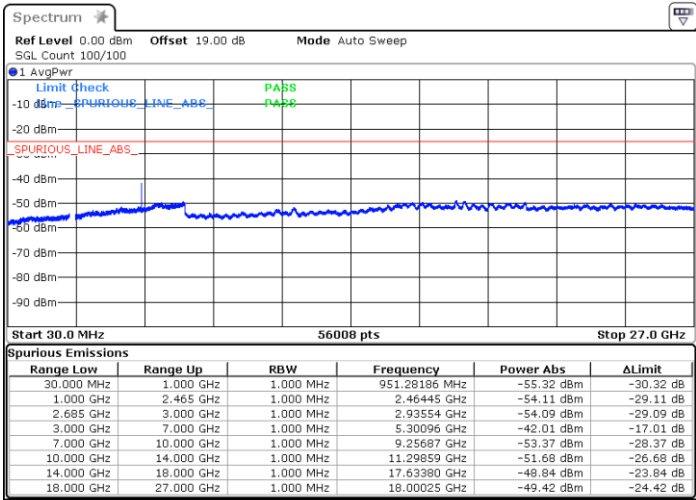




LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



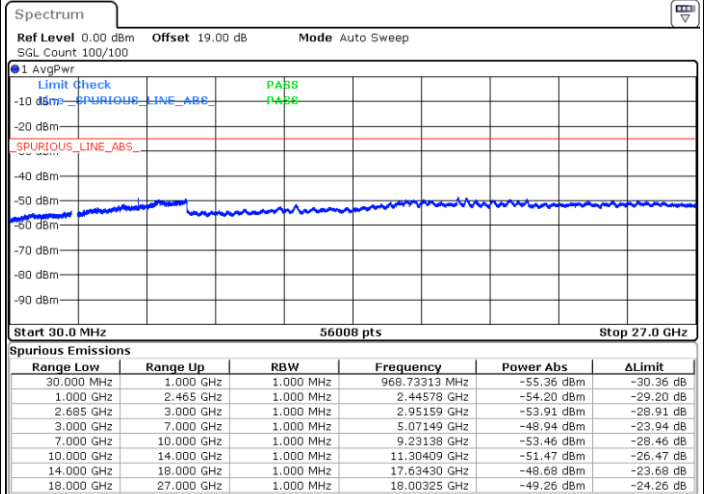
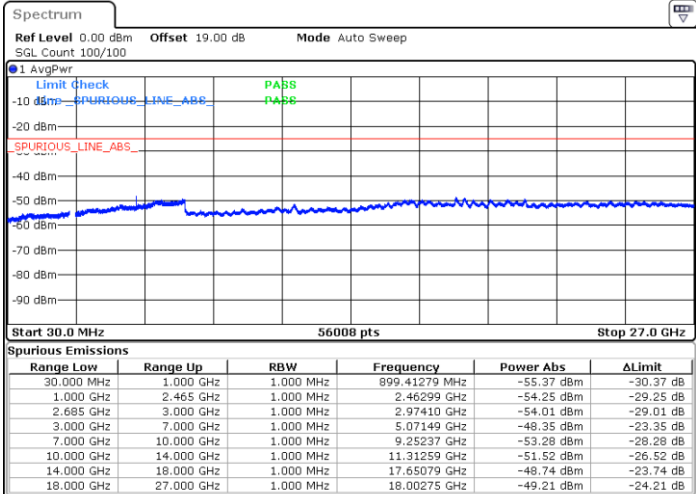
Date: 28.SEP.2021 13:56:37

Date: 28.SEP.2021 13:58:44

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28.SEP.2021 15:59:23

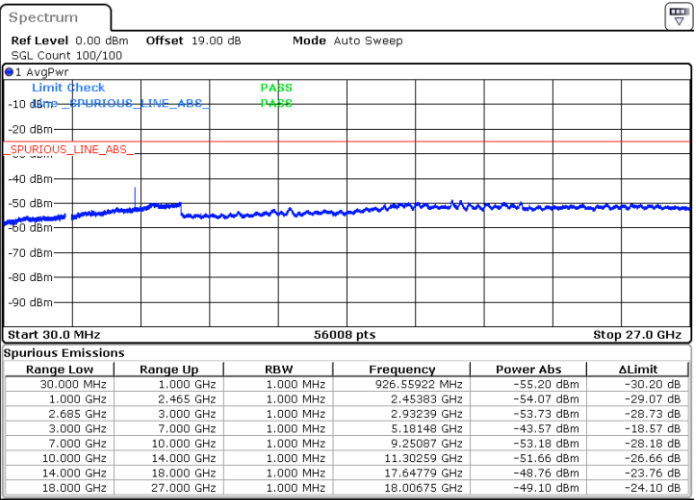
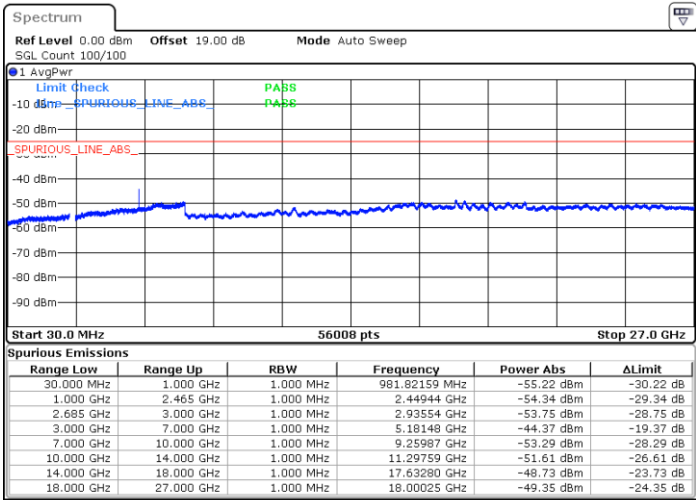
Date: 28.SEP.2021 16:00:27



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

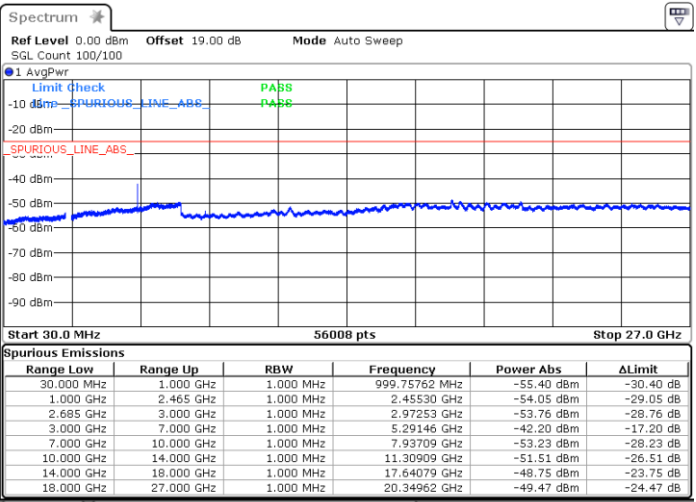
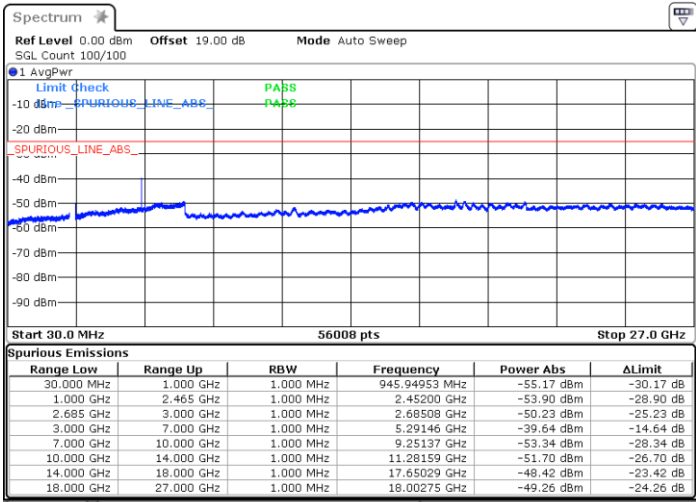


Date: 28.SEP.2021 16:05:19

Date: 28.SEP.2021 16:04:04

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.SEP.2021 14:21:06

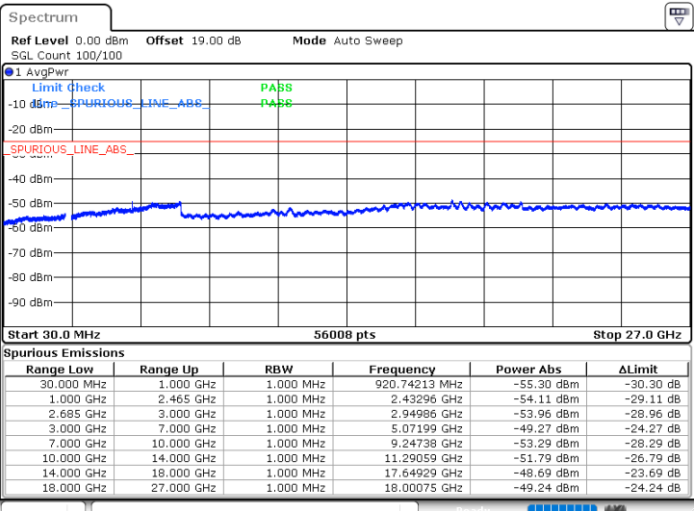
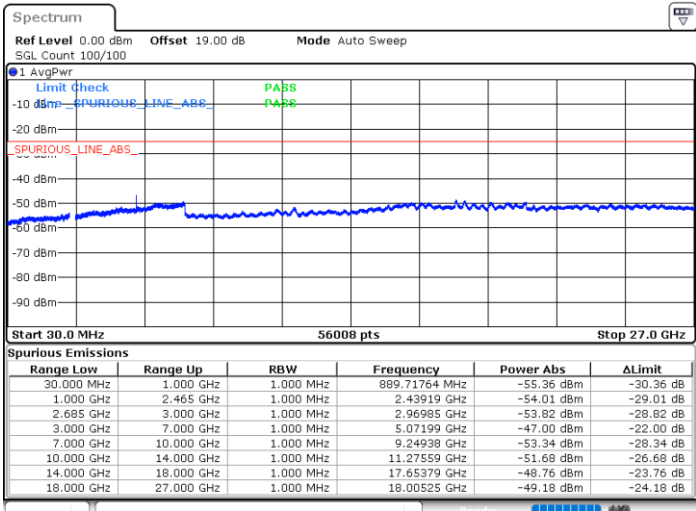
Date: 28.SEP.2021 14:22:12



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

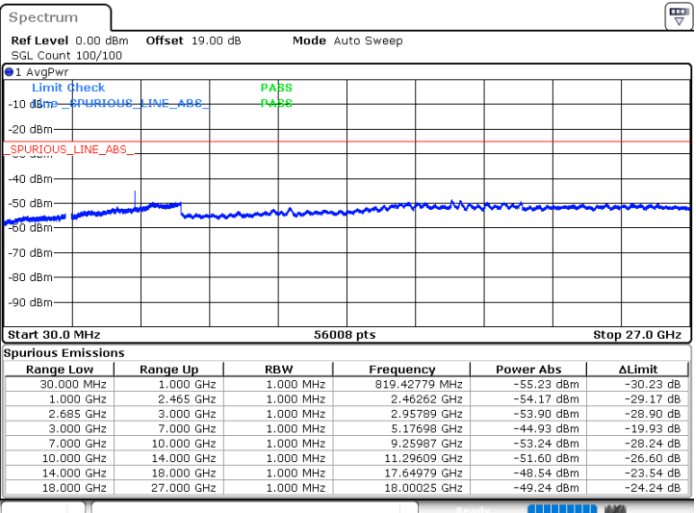
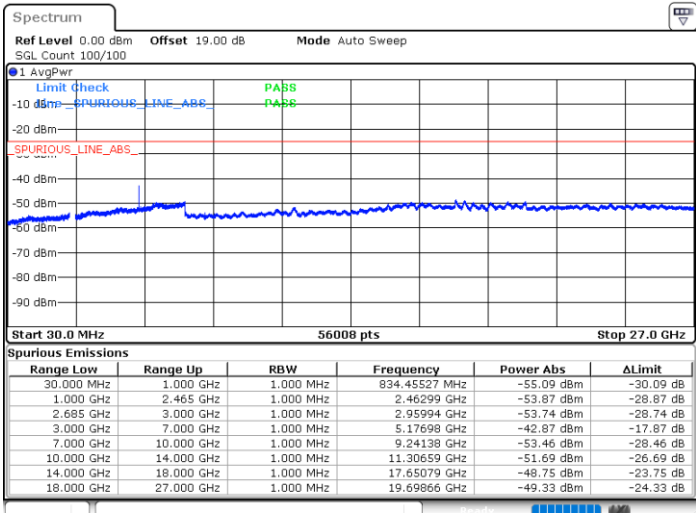


Date: 28.SEP.2021 16:06:48

Date: 28.SEP.2021 16:07:49

Middle Channel / QPSK

Middle Channel / 16QAM



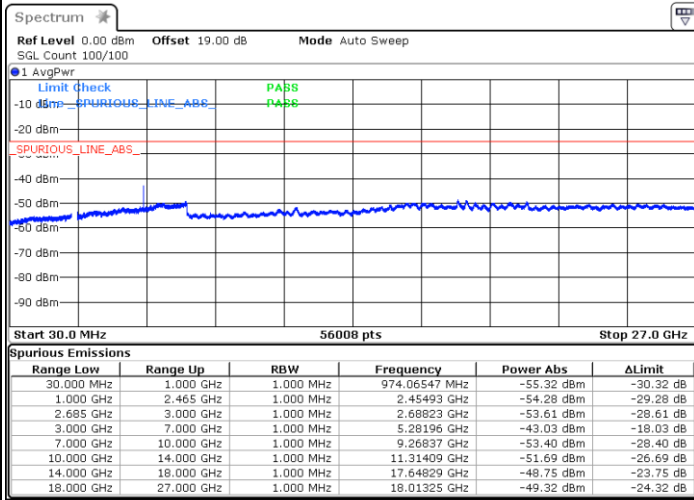
Date: 28.SEP.2021 16:13:02

Date: 28.SEP.2021 16:11:22



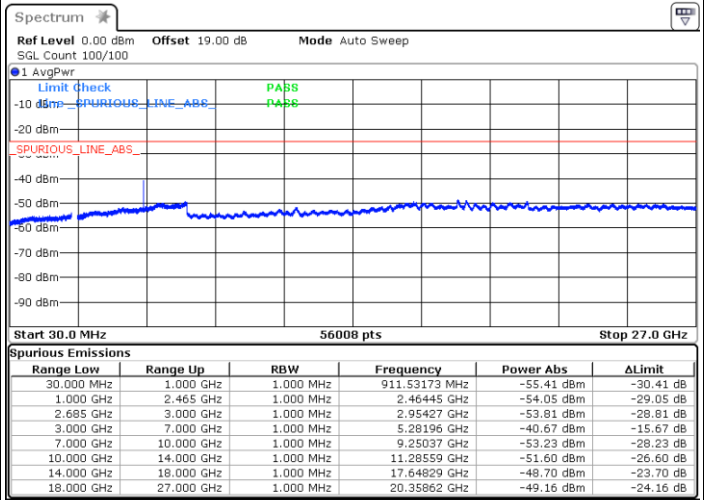
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 28.SEP.2021 14:37:13

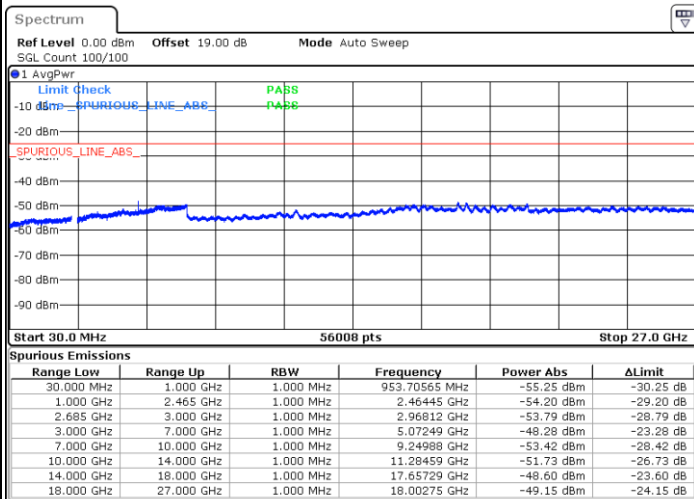
Highest Channel / 16QAM



Date: 28.SEP.2021 14:36:10

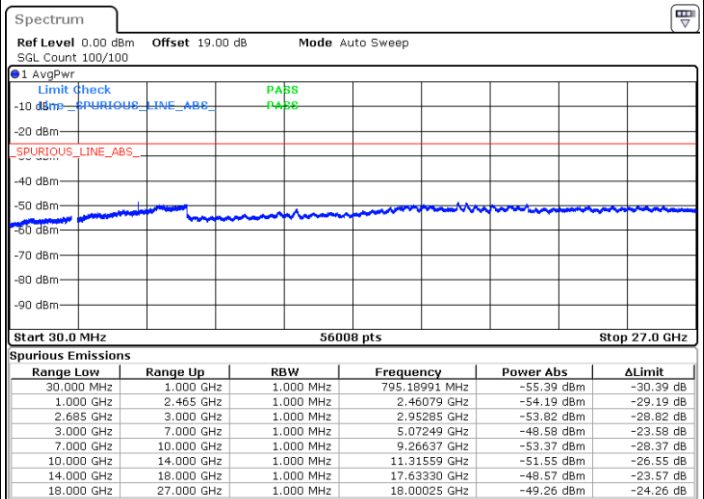
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 28.SEP.2021 16:14:15

Lowest Channel / 16QAM



Date: 28.SEP.2021 16:15:25

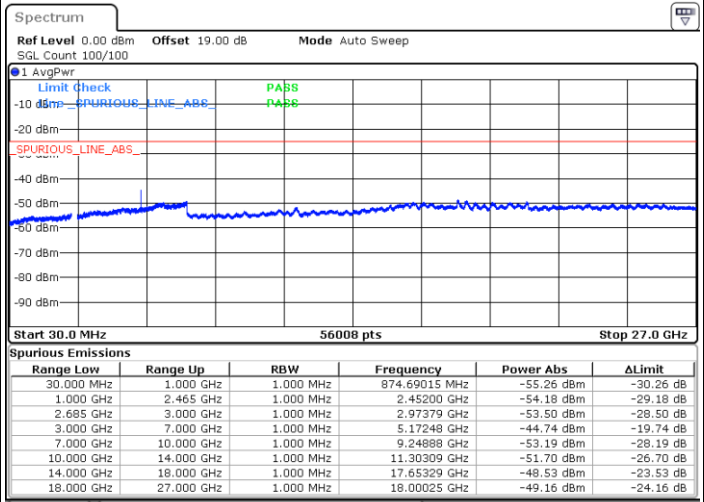
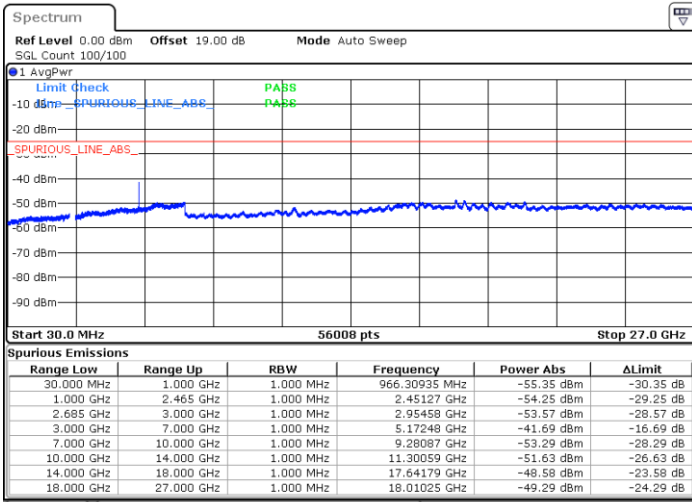




LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

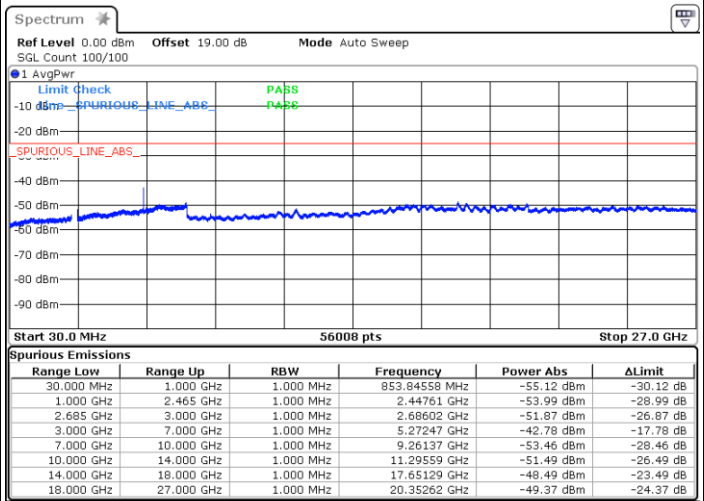
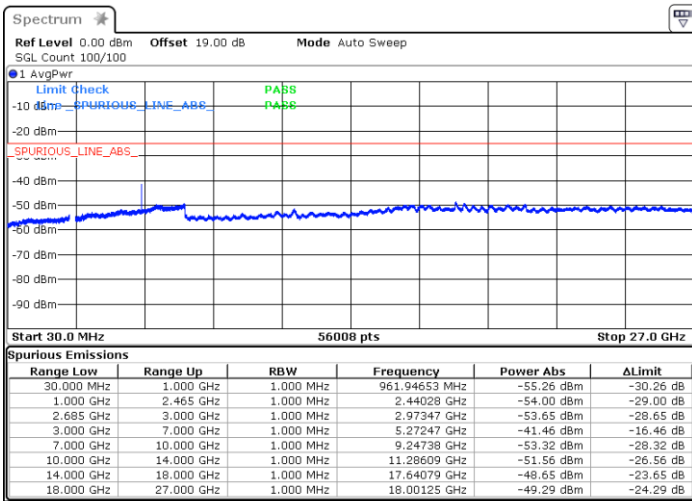


Date: 28.SEP.2021 16:22:12

Date: 28.SEP.2021 16:20:31

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28.SEP.2021 14:52:20

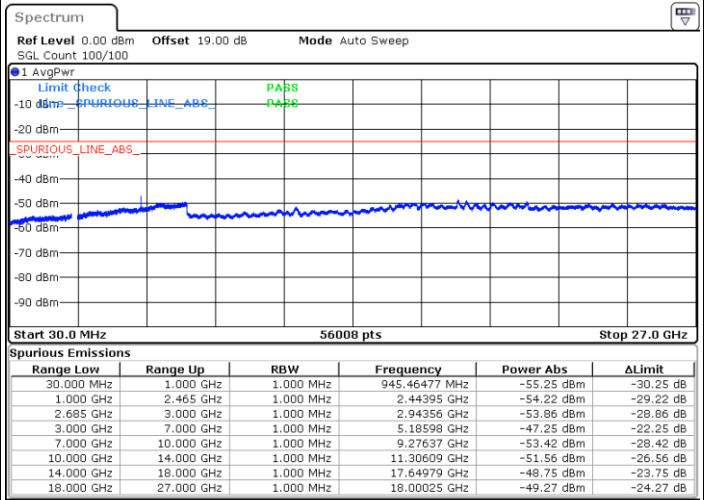
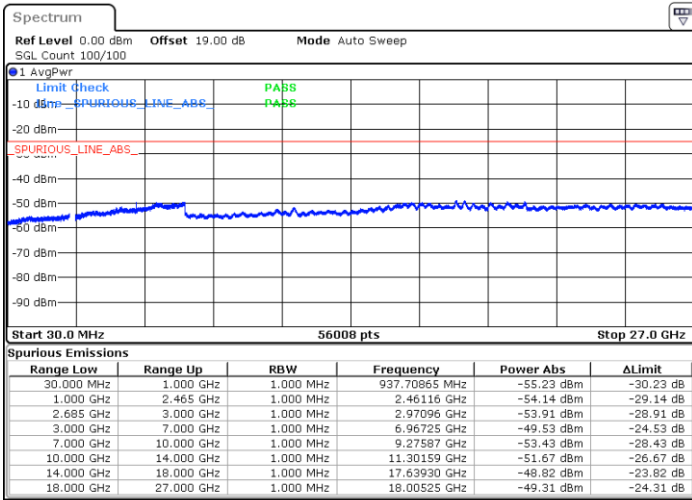
Date: 28.SEP.2021 14:53:25



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

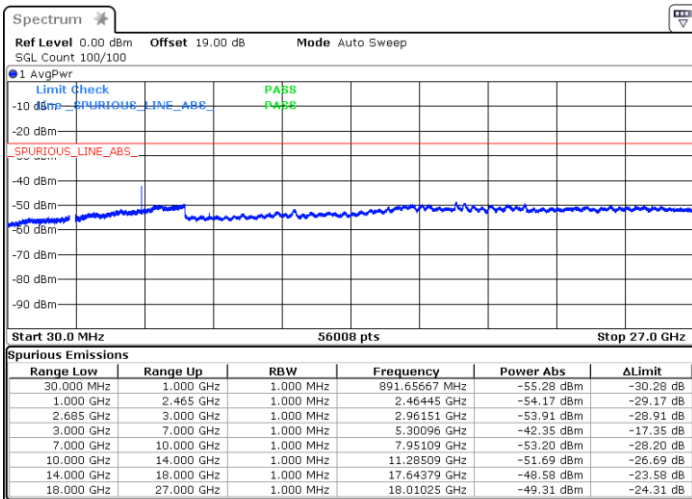
Middle Channel / 64QAM



Date: 28.SEP.2021 15:54:21

Date: 28.SEP.2021 15:55:34

Highest Channel / 64QAM



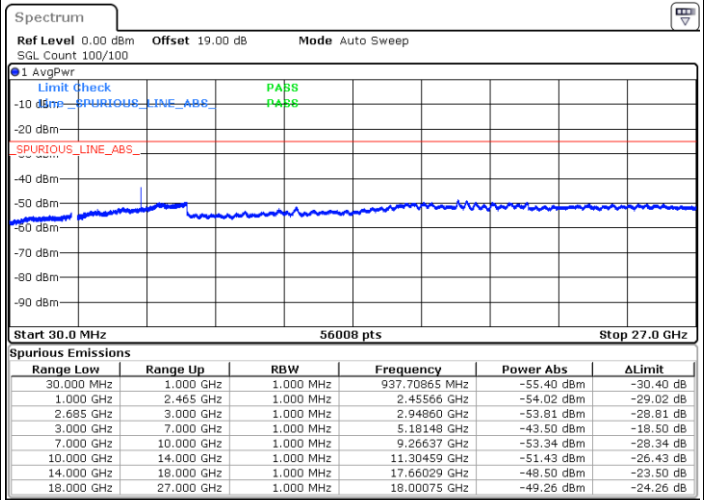
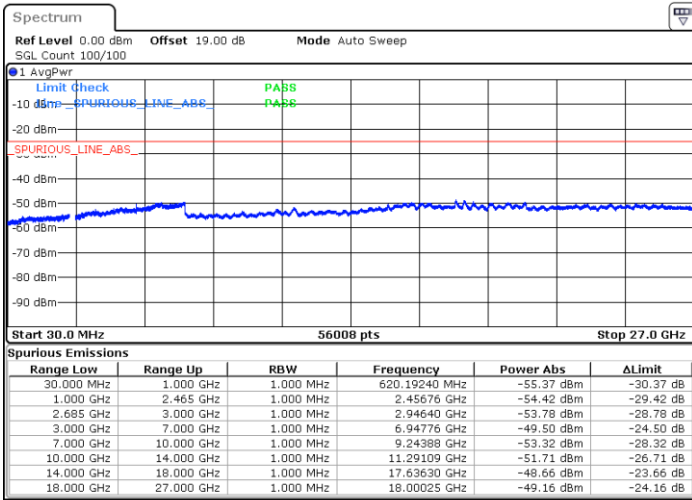
Date: 28.SEP.2021 14:00:33



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

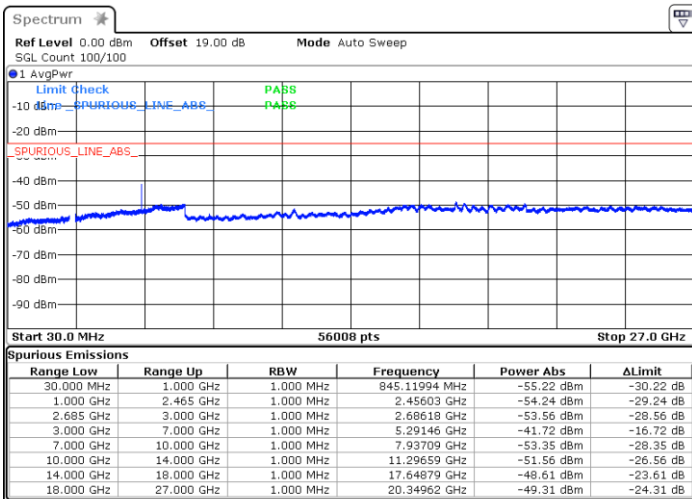
Middle Channel / 64QAM



Date: 28.SEP.2021 16:01:36

Date: 28.SEP.2021 16:02:48

Highest Channel / 64QAM



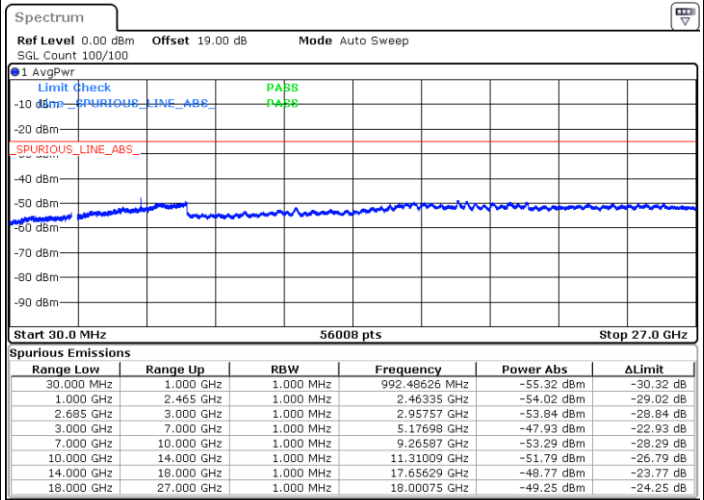
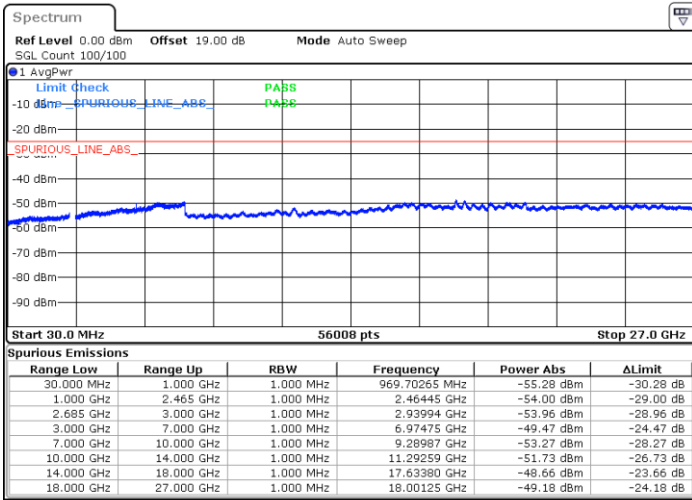
Date: 28.SEP.2021 14:23:33



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

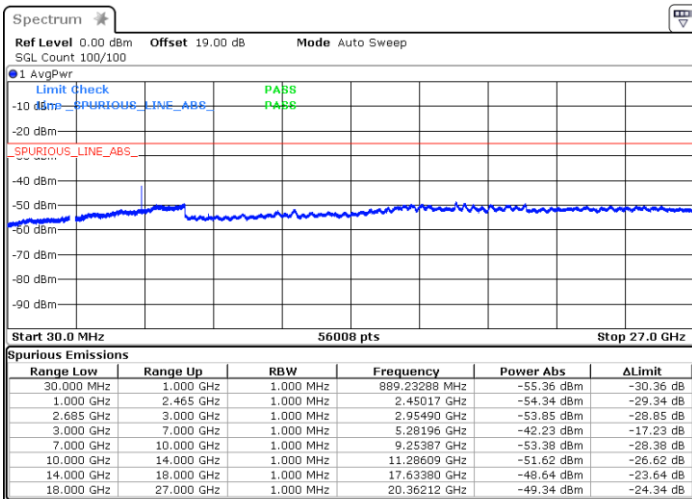
Middle Channel / 64QAM



Date: 28.SEP.2021 16:08:54

Date: 28.SEP.2021 16:10:07

Highest Channel / 64QAM



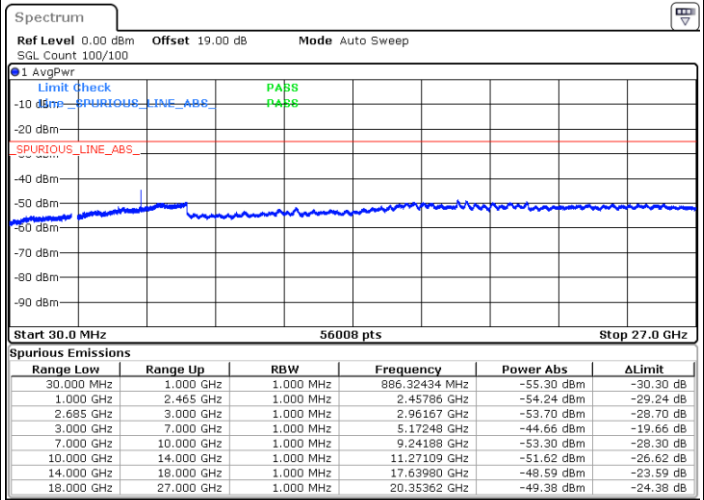
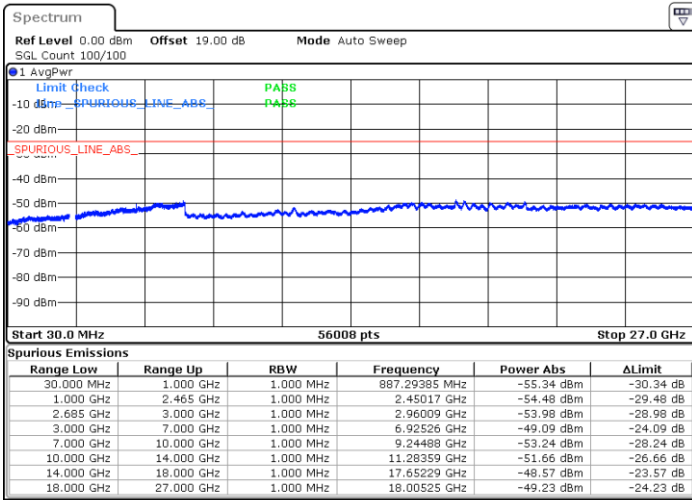
Date: 28.SEP.2021 14:33:31



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

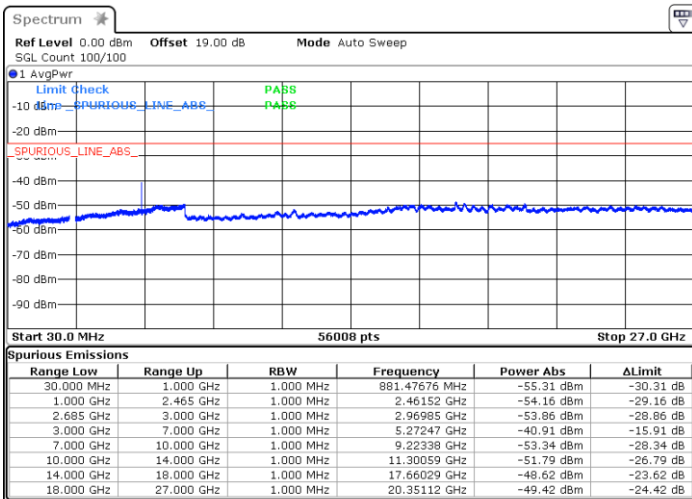
Middle Channel / 64QAM



Date: 28.SEP.2021 16:17:03

Date: 28.SEP.2021 16:18:44

Highest Channel / 64QAM



Date: 28.SEP.2021 14:54:32



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 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

LTE Band 41 / 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	5168.18	-58.66	-25	-33.66	-78.16	-64.22	7.14	12.70	H
	7752.27	-51.18	-25	-26.18	-76.02	-54.48	8.30	11.60	H
	10336.36	-42.89	-25	-17.89	-72.82	-44.41	10.48	12.00	H
	5168.18	-62.02	-25	-37.02	-81.79	-67.58	7.14	12.70	V
	7752.27	-54.55	-25	-29.55	-79.24	-57.85	8.30	11.60	V
	10336.36	-46.88	-25	-21.88	-75.9	-48.40	10.48	12.00	V

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





## **Appendix D. Reference Report**

Please refer to Sporton report number FG180409B which is issued separately.