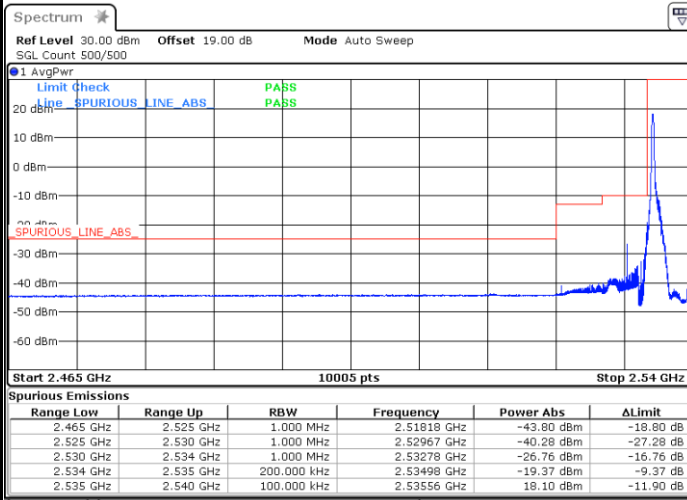




LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



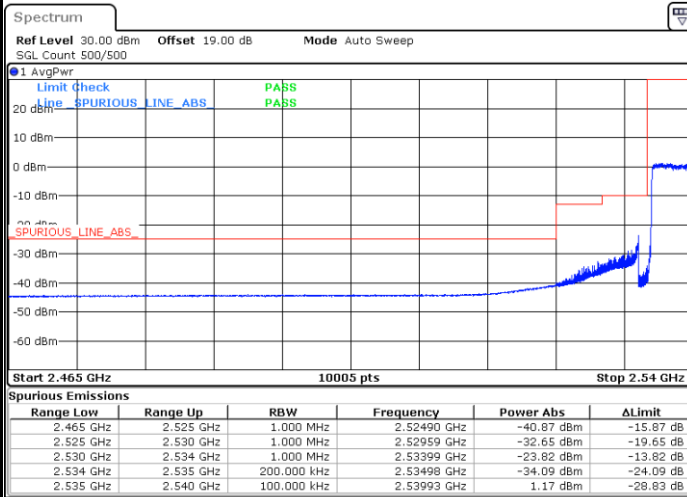
Date: 21.DEC.2021 19:52:41

Highest Band Edge / 1 RB



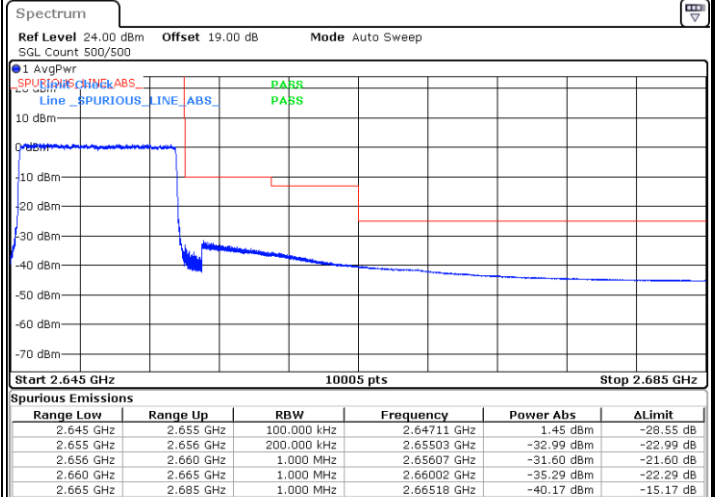
Date: 21.DEC.2021 19:01:03

Lowest Band Edge / Full RB



Date: 21.DEC.2021 18:42:26

Highest Band Edge / Full RB



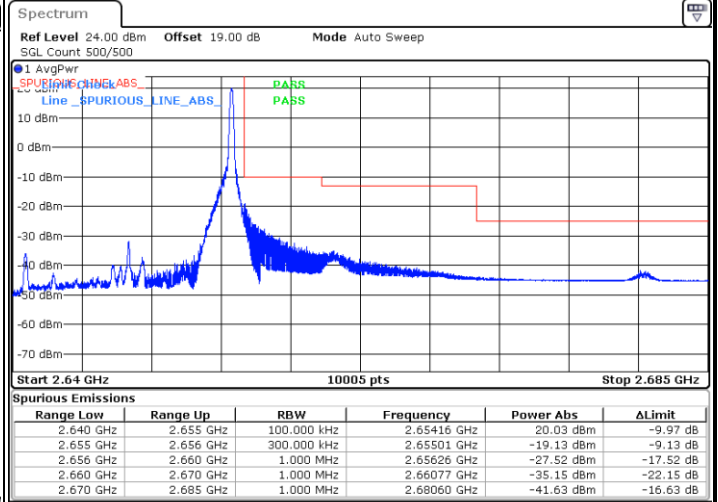
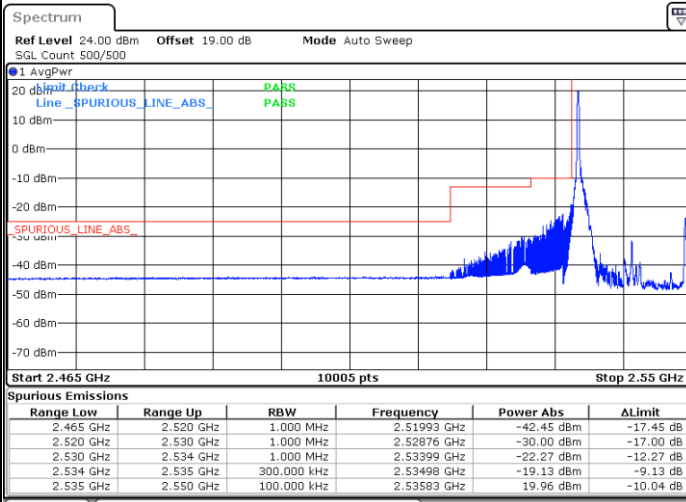
Date: 21.DEC.2021 19:07:37



LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

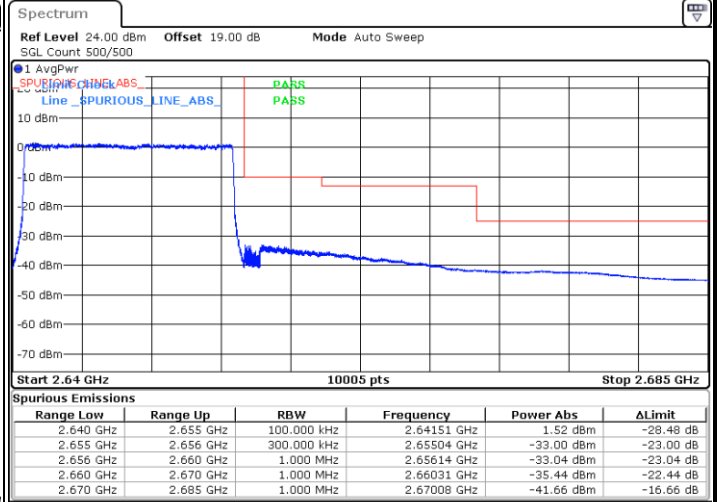
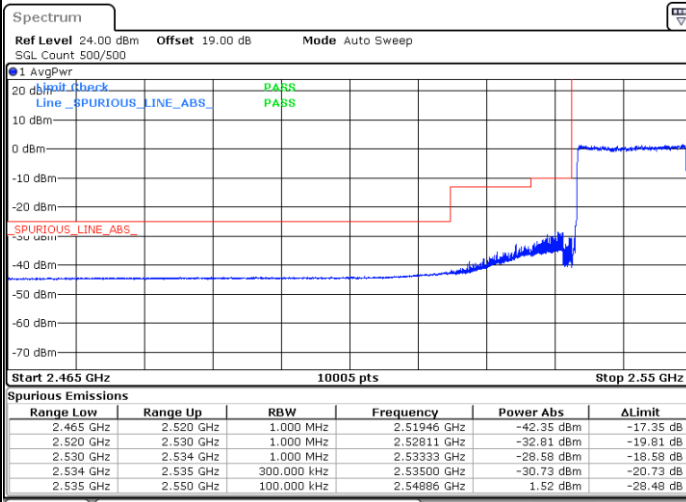


Date: 21.DEC.2021 17:57:54

Date: 21.DEC.2021 19:14:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



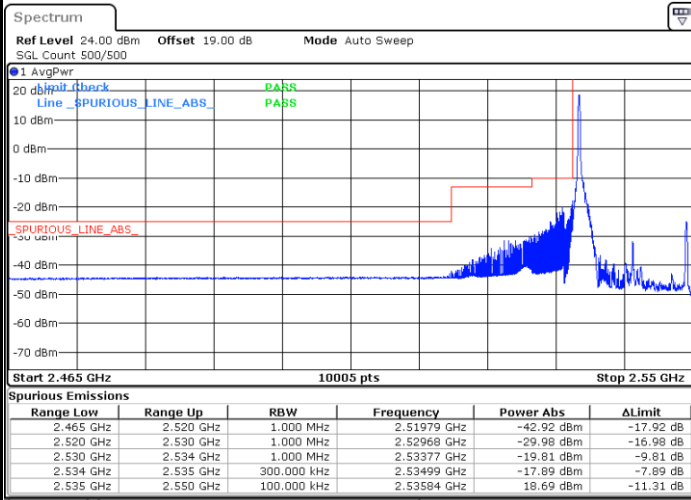
Date: 21.DEC.2021 18:00:09

Date: 21.DEC.2021 19:26:33



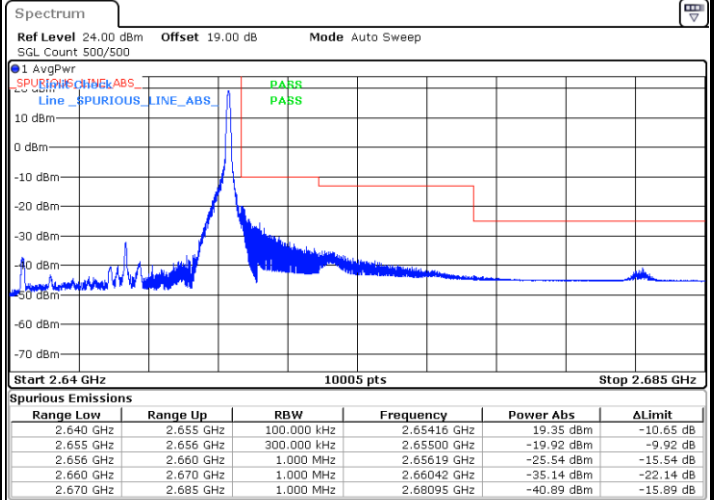
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



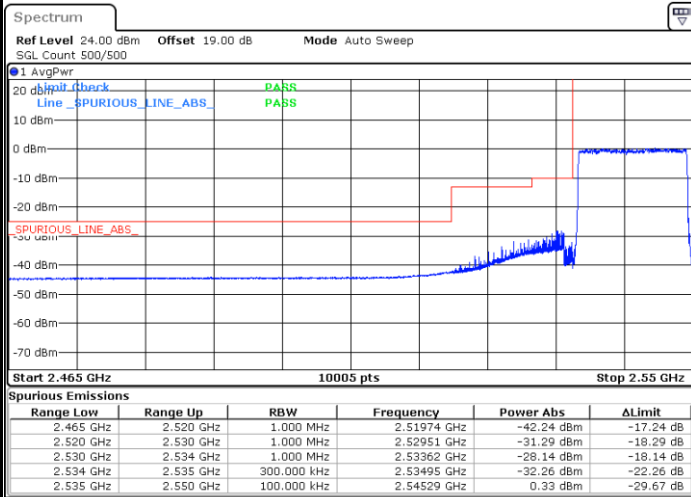
Date: 21.DEC.2021 17:59:01

Highest Band Edge / 1 RB



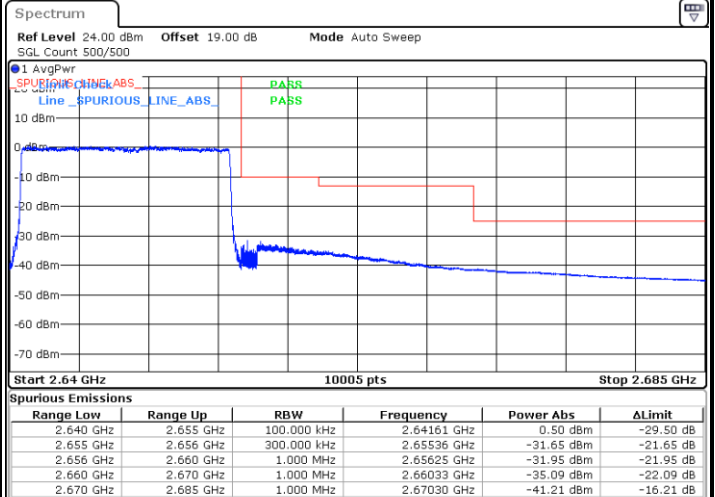
Date: 21.DEC.2021 19:16:16

Lowest Band Edge / Full RB



Date: 21.DEC.2021 18:01:16

Highest Band Edge / Full RB

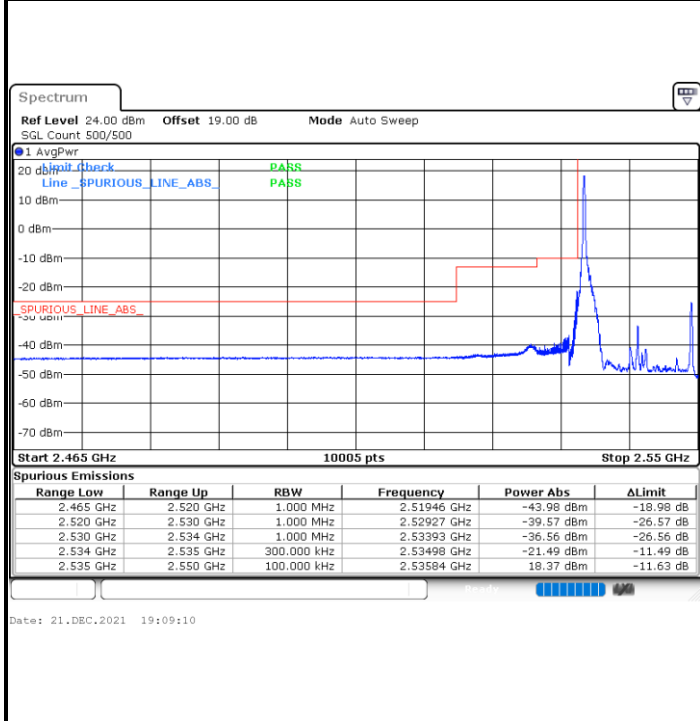


Date: 21.DEC.2021 19:28:02

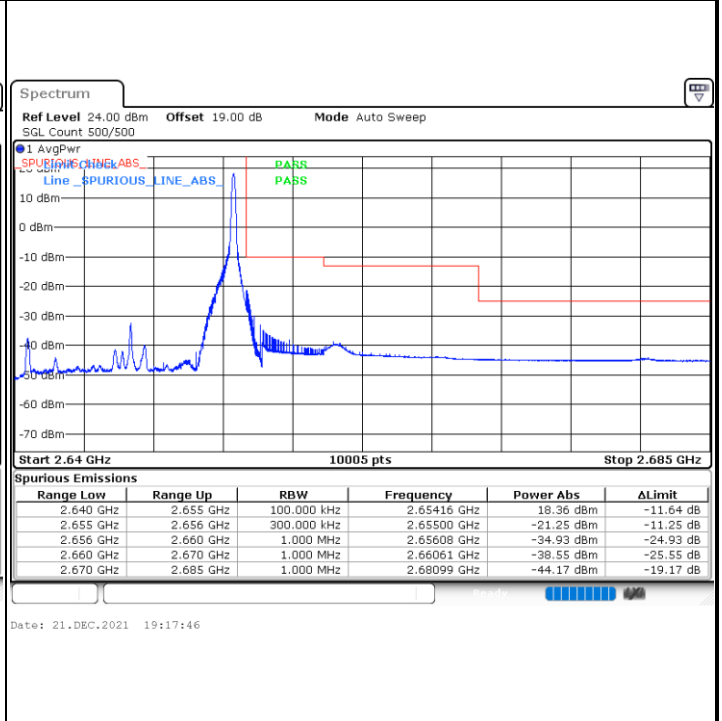


LTE Band 41 / 15MHz / 64QAM

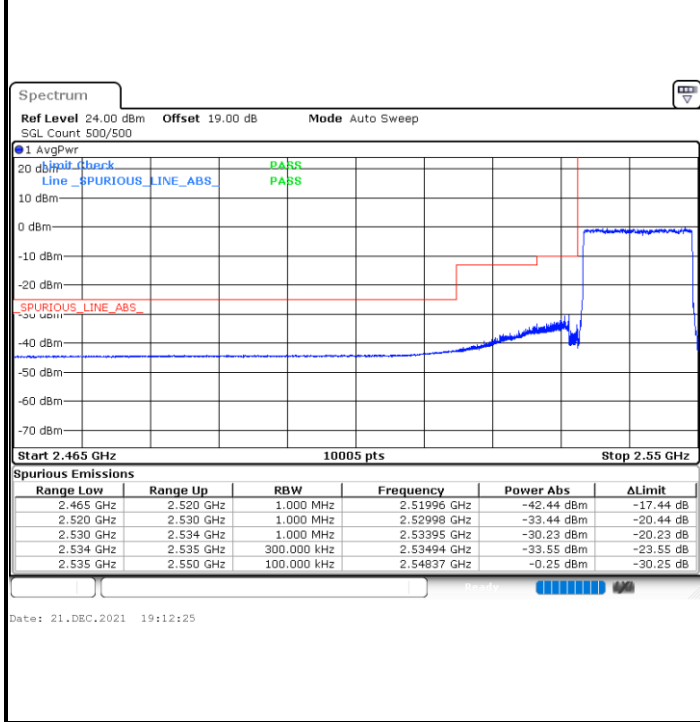
Lowest Band Edge / 1 RB



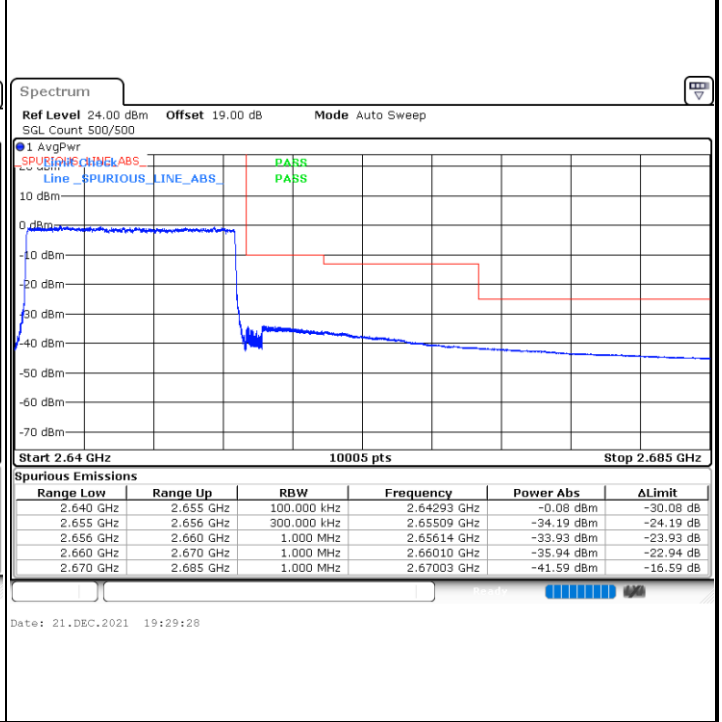
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

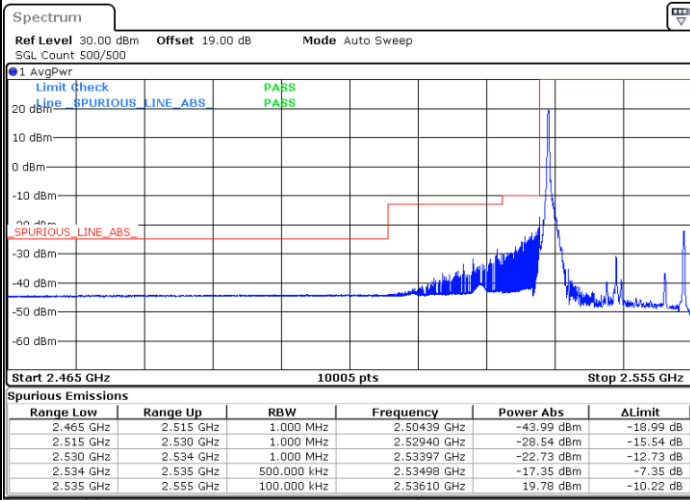




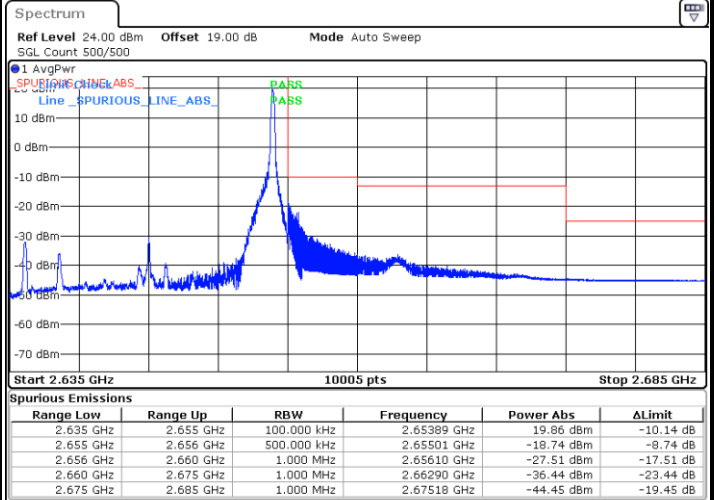
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



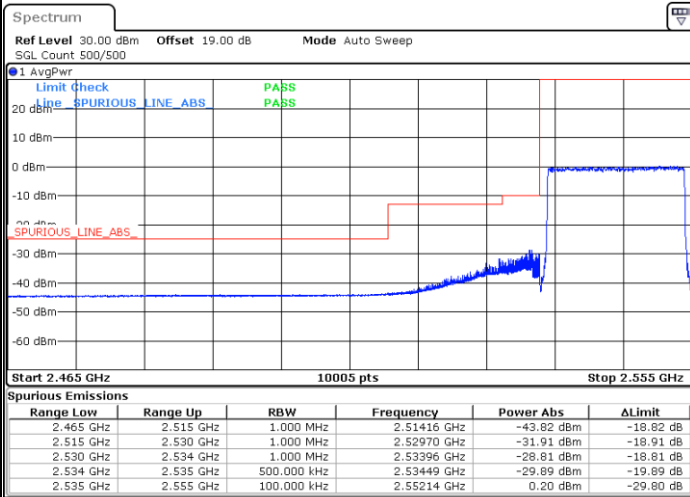
Date: 21.DEC.2021 18:15:16



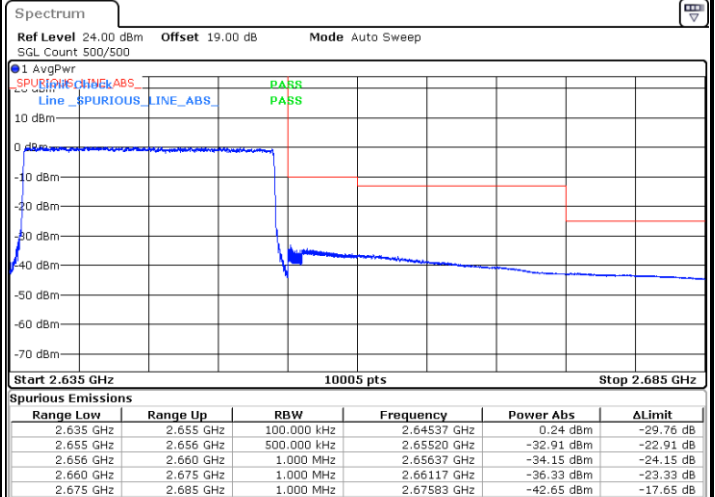
Date: 21.DEC.2021 19:33:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21.DEC.2021 18:17:31

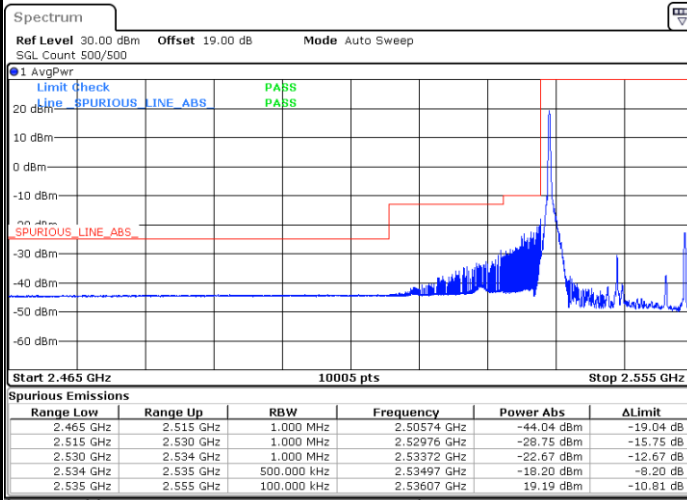


Date: 21.DEC.2021 19:38:32



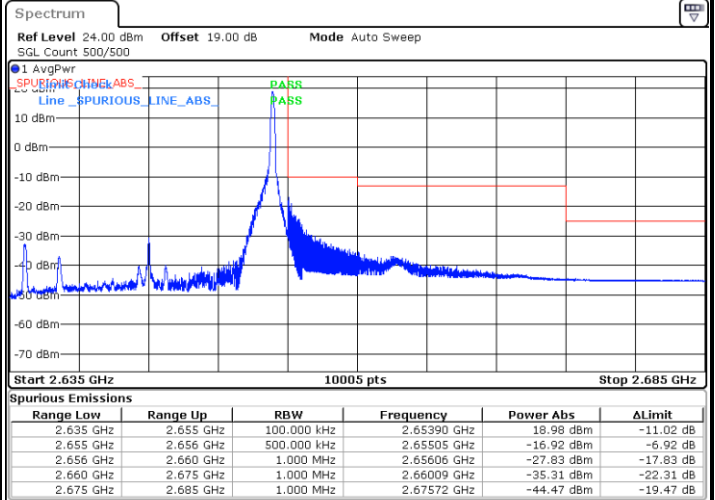
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



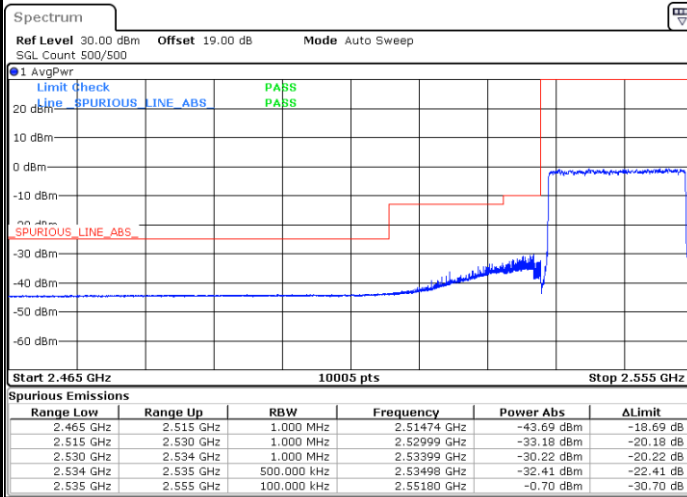
Date: 21.DEC.2021 18:16:23

Highest Band Edge / 1 RB



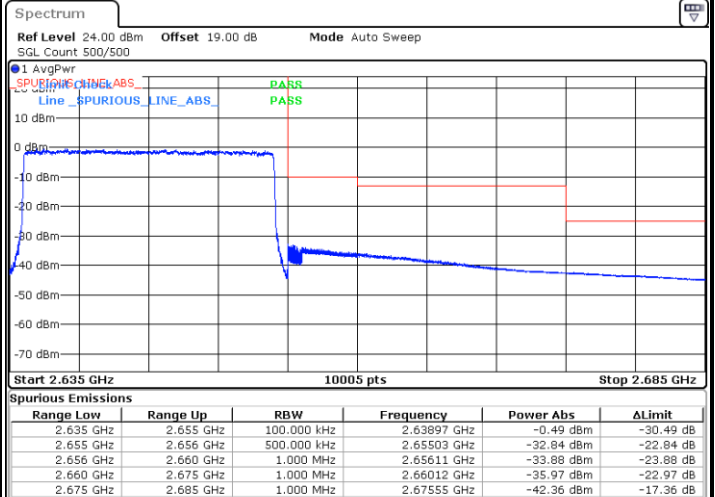
Date: 21.DEC.2021 19:35:24

Lowest Band Edge / Full RB



Date: 21.DEC.2021 18:18:39

Highest Band Edge / Full RB



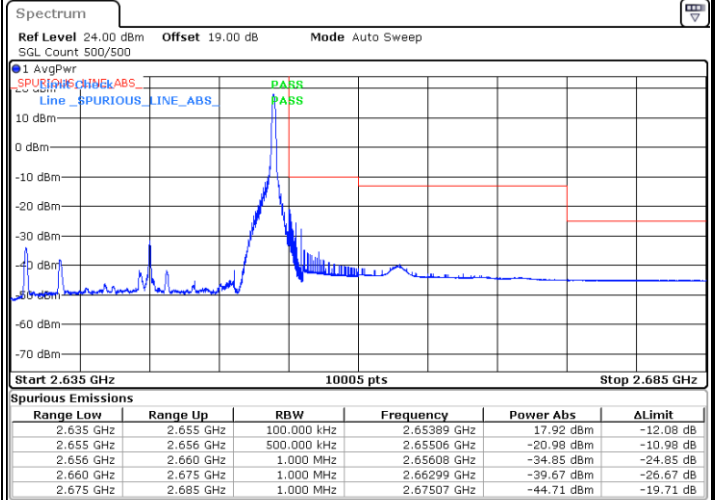
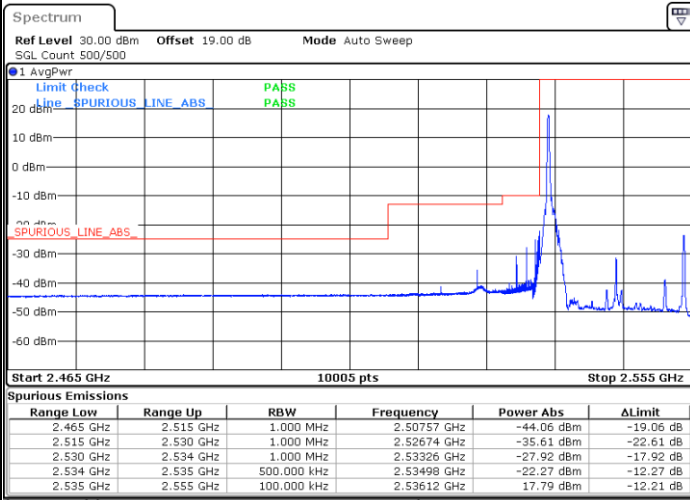
Date: 21.DEC.2021 19:40:12



LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

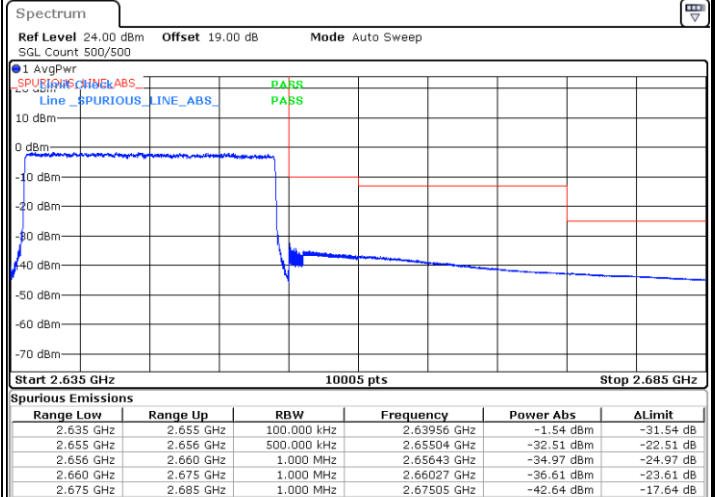
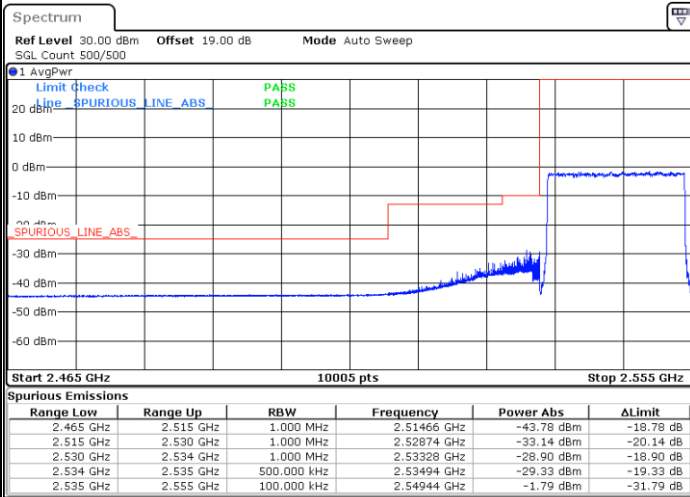


Date: 21.DEC.2021 19:32:27

Date: 21.DEC.2021 19:37:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

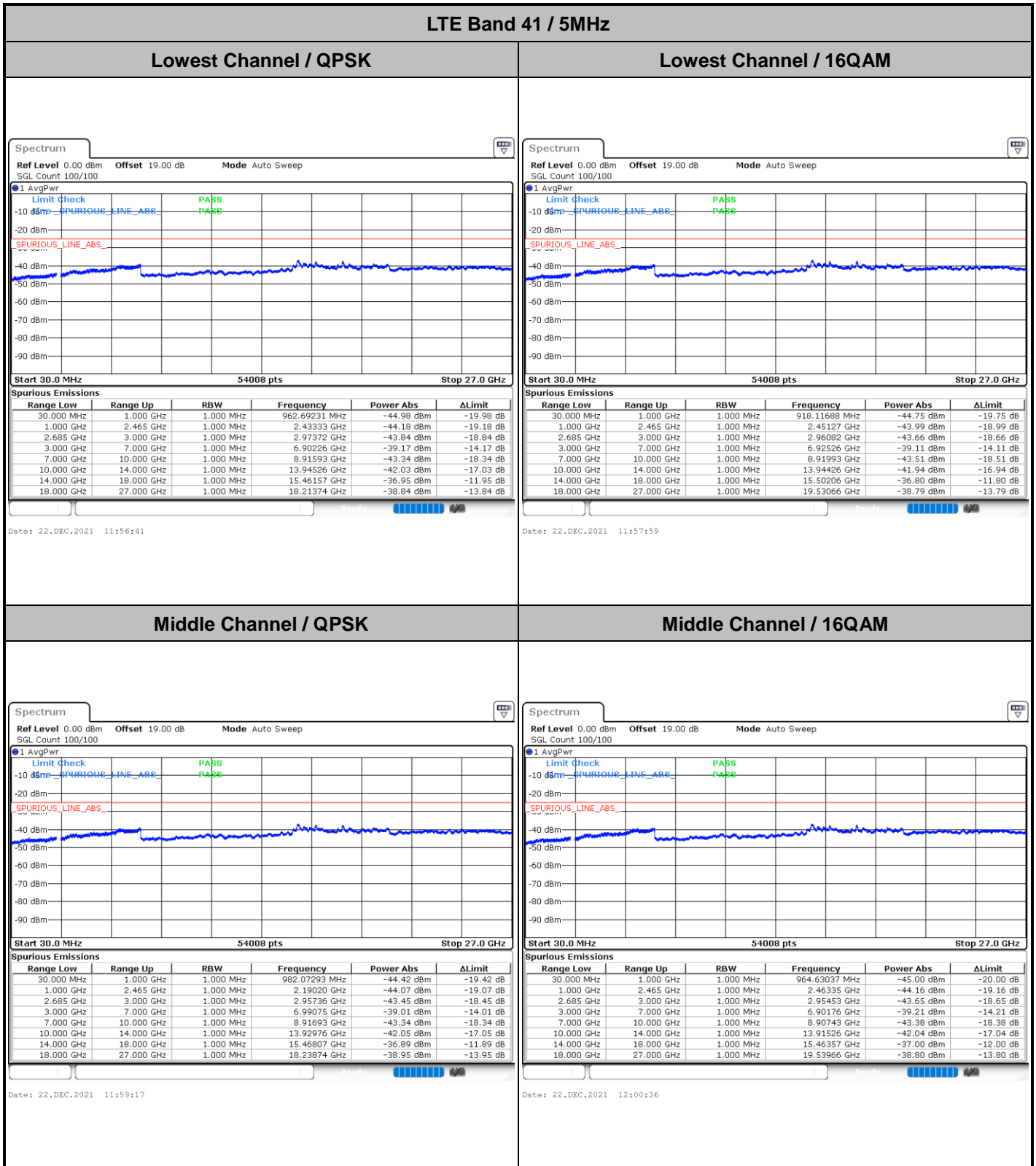


Date: 21.DEC.2021 19:31:18

Date: 21.DEC.2021 19:41:39



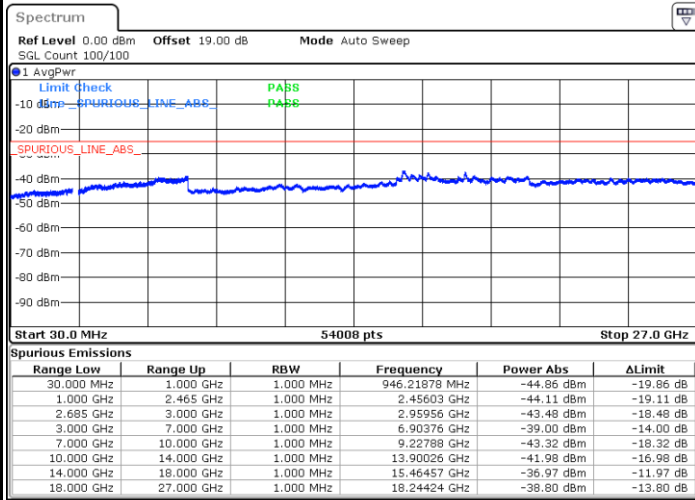
Conducted Spurious Emission





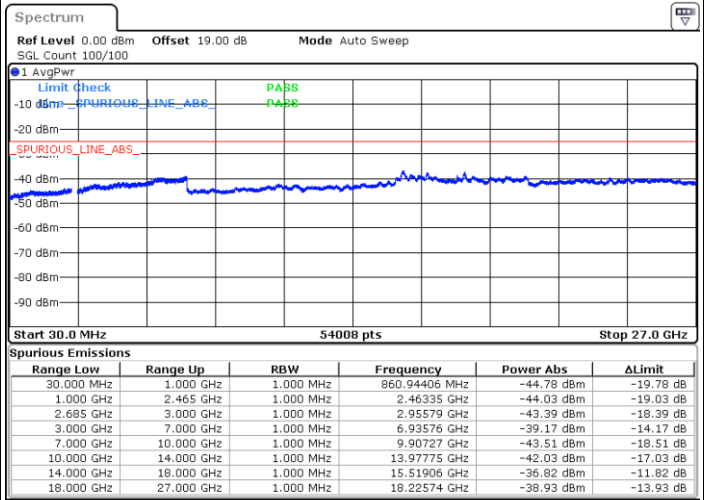
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 22.DEC.2021 12:01:55

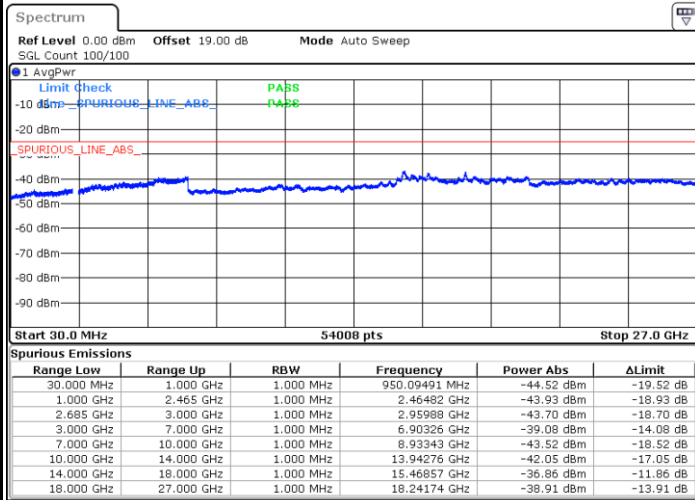
Highest Channel / 16QAM



Date: 22.DEC.2021 12:03:13

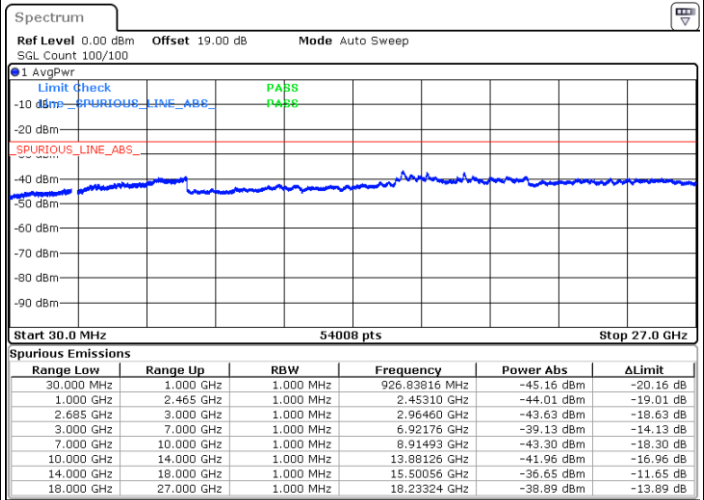
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 22.DEC.2021 12:04:32

Lowest Channel / 16QAM



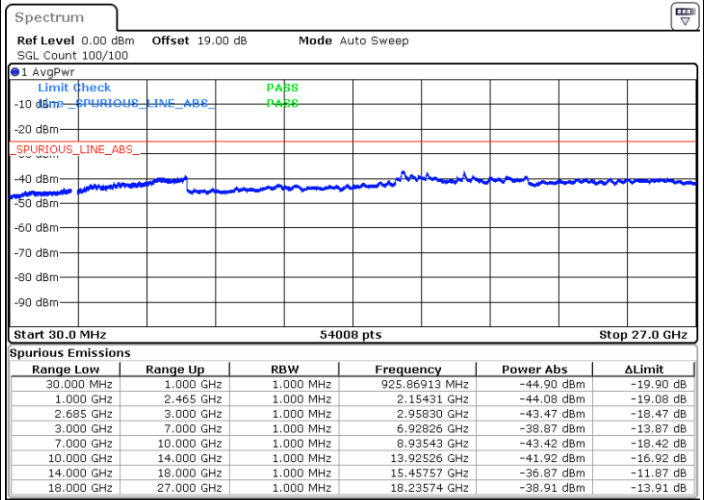
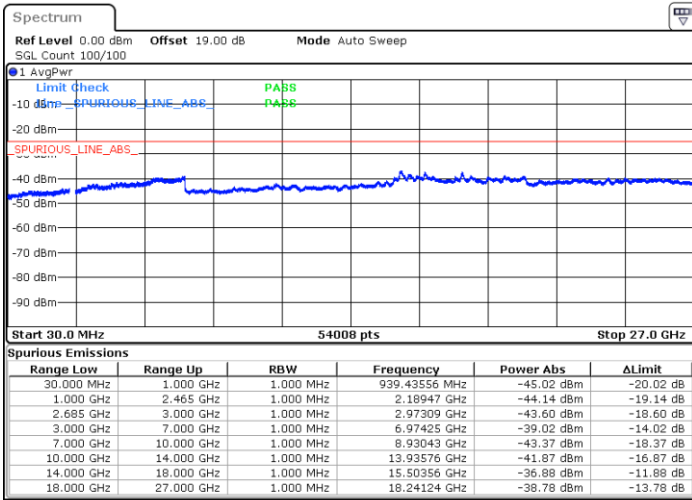
Date: 22.DEC.2021 12:05:51



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

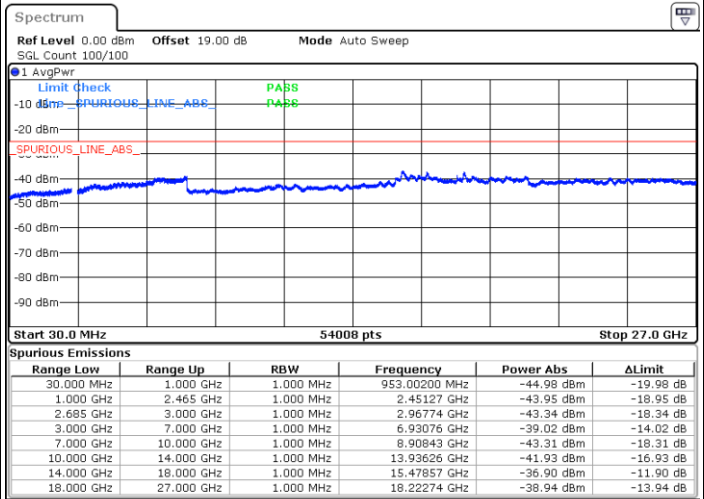
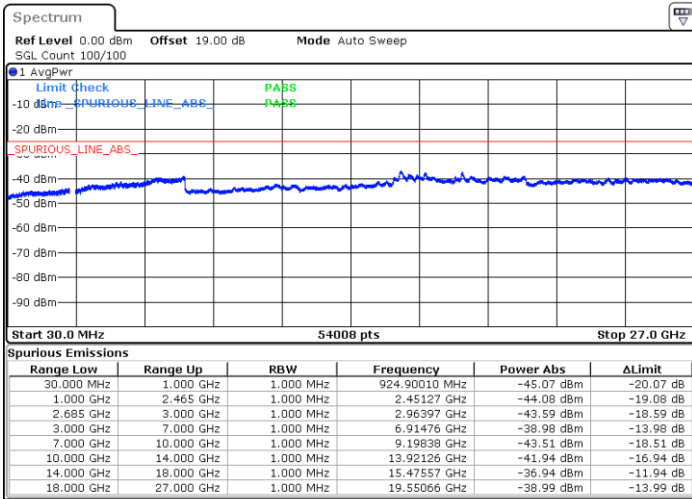


Date: 22.DEC.2021 12:07:09

Date: 22.DEC.2021 12:08:28

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22.DEC.2021 12:09:46

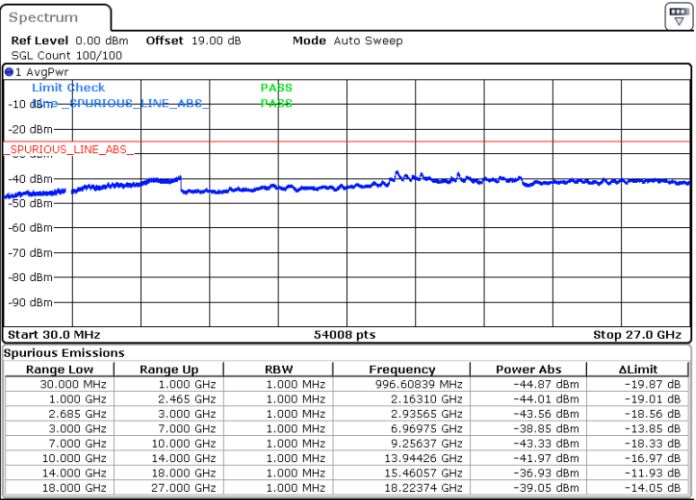
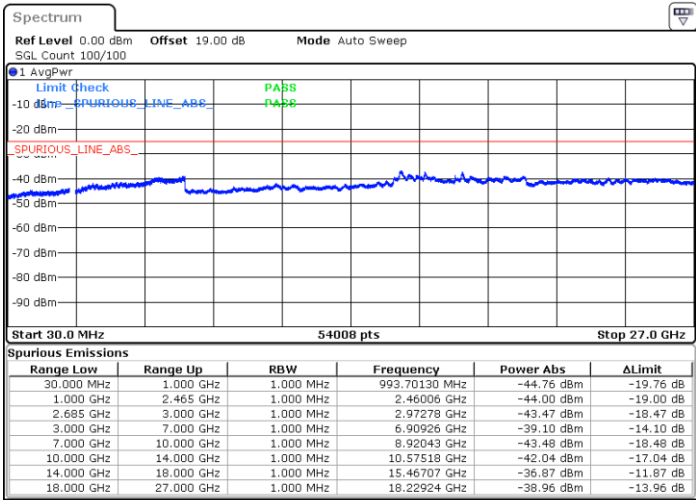
Date: 22.DEC.2021 12:11:04



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

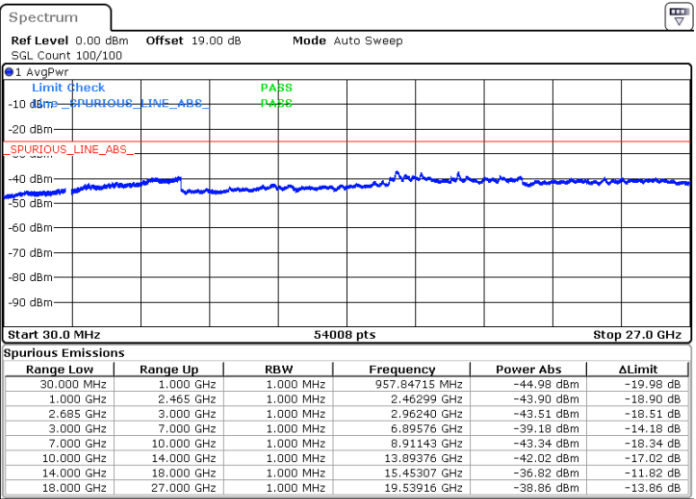
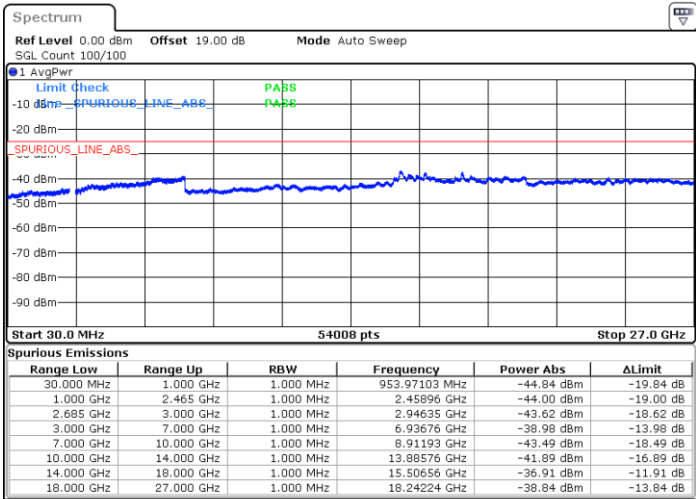


Date: 22.DEC.2021 12:12:23

Date: 22.DEC.2021 12:13:41

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 22.DEC.2021 12:15:00

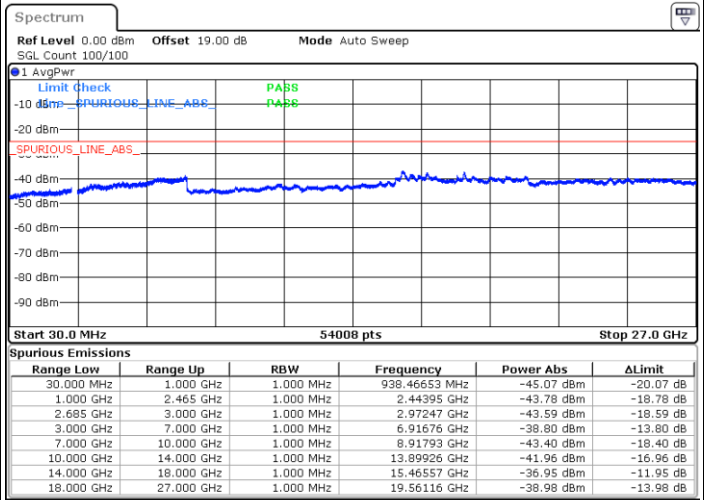
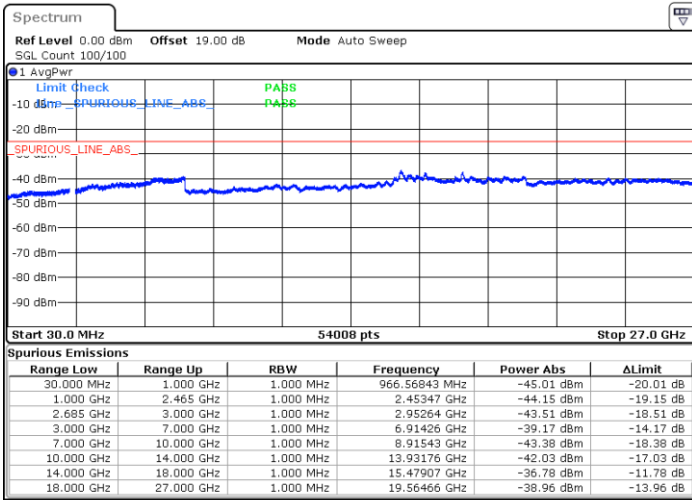
Date: 22.DEC.2021 12:16:18



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



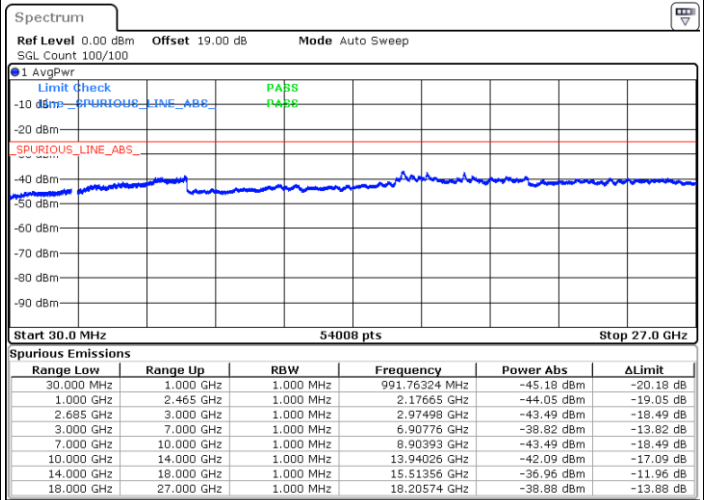
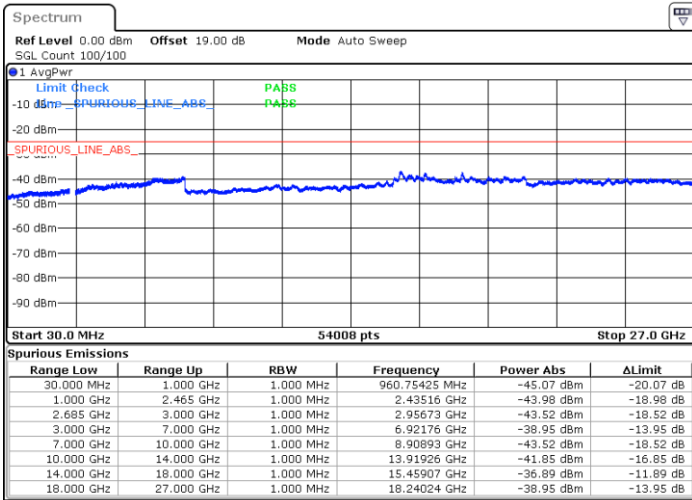
Date: 22.DEC.2021 12:17:36

Date: 22.DEC.2021 12:18:55

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 22.DEC.2021 12:20:14

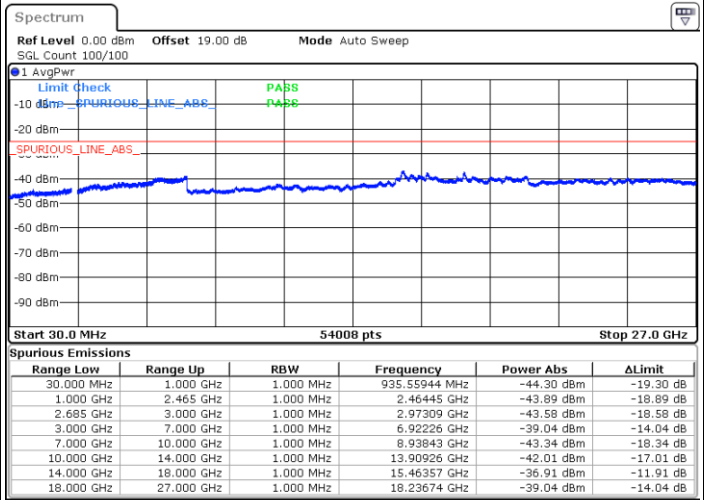
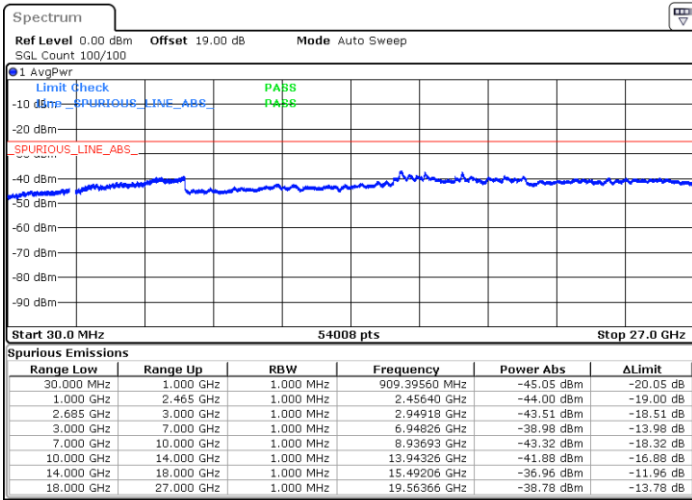
Date: 22.DEC.2021 12:21:32



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

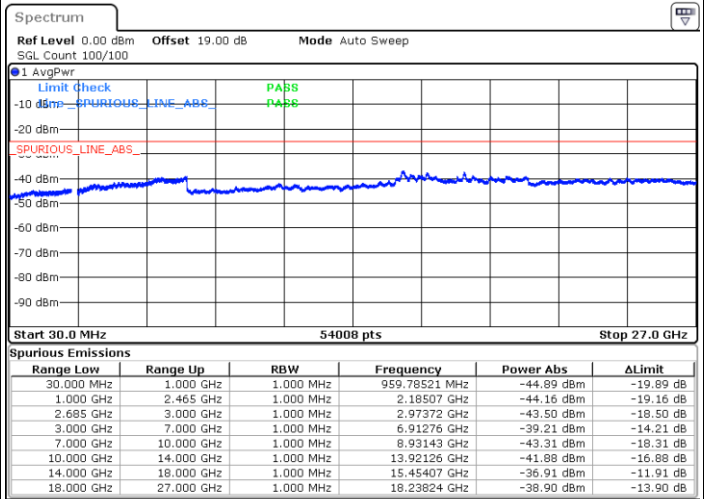
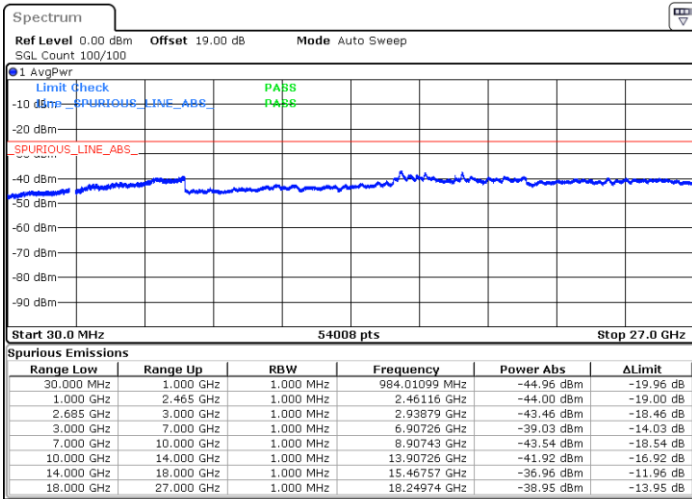


Date: 22.DEC.2021 12:22:50

Date: 22.DEC.2021 12:24:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22.DEC.2021 12:25:27

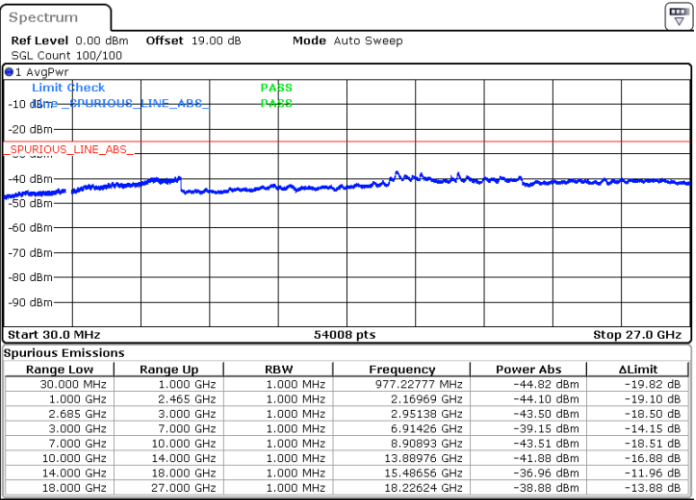
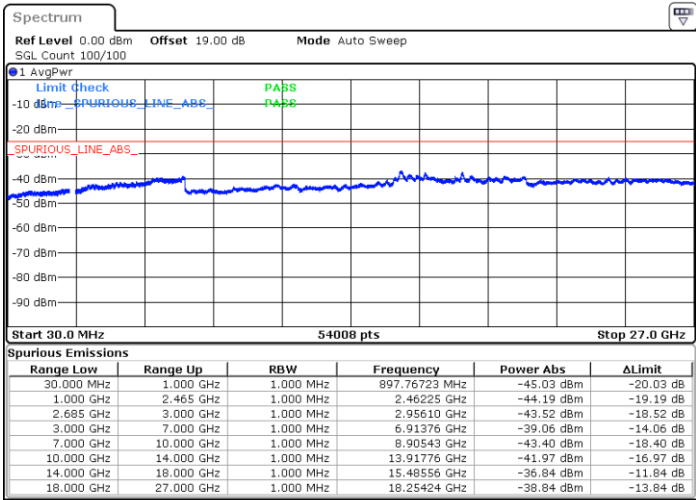
Date: 22.DEC.2021 12:26:46



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

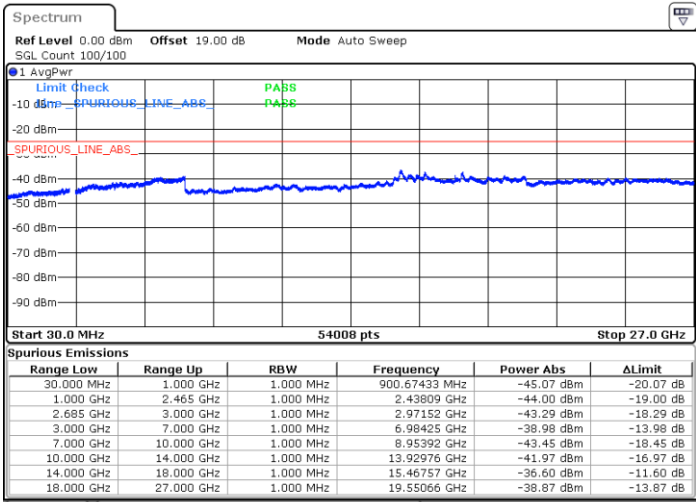
Middle Channel / 64QAM



Date: 22.DEC.2021 12:28:05

Date: 22.DEC.2021 12:29:23

Highest Channel / 64QAM

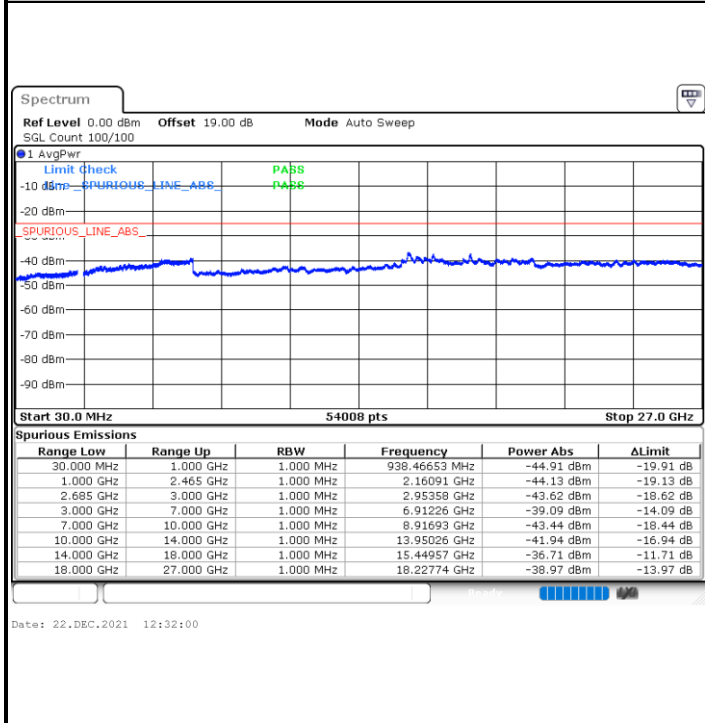


Date: 22.DEC.2021 12:30:42

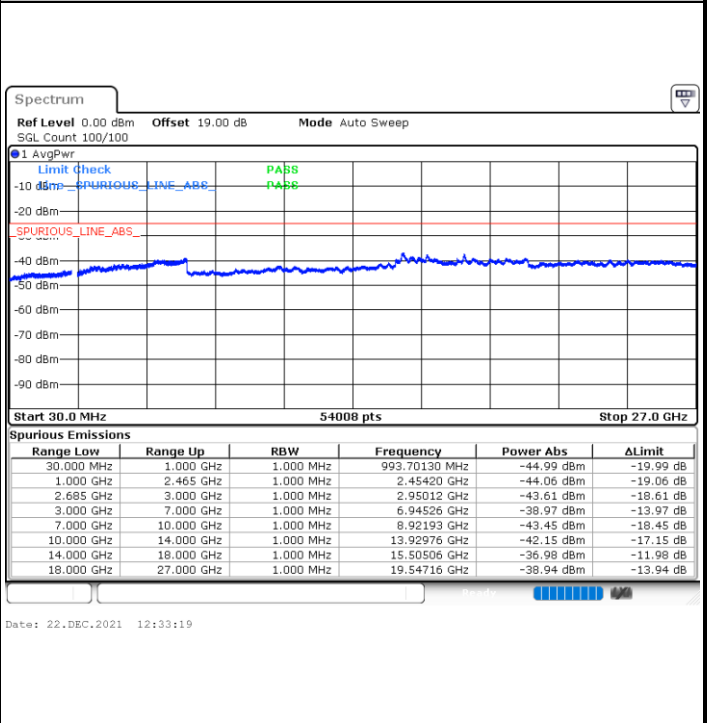


LTE Band 41 / 10MHz

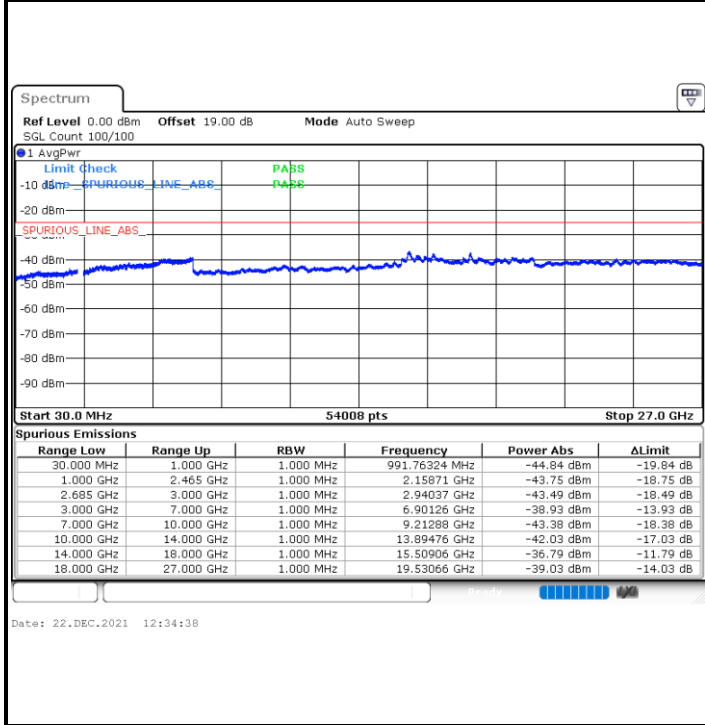
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM

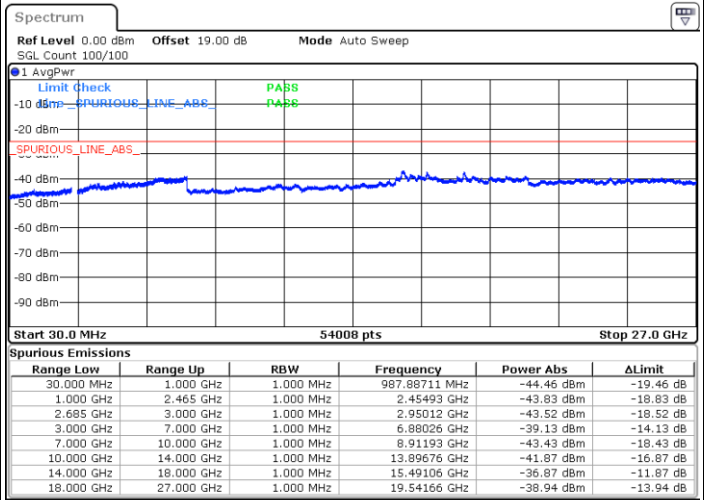
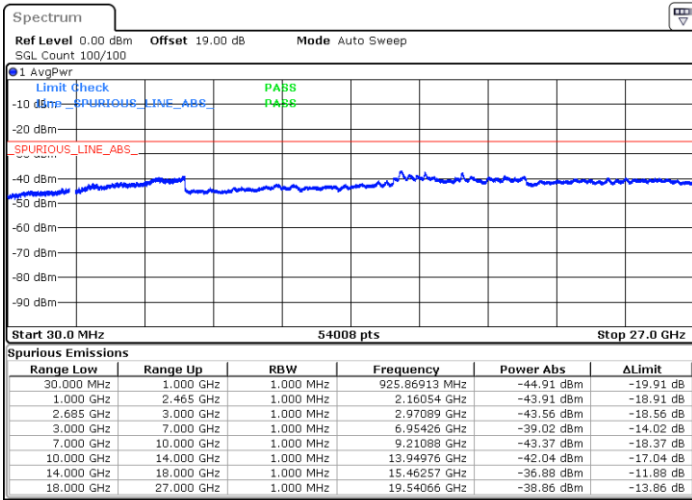




LTE Band 41 / 15MHz

Lowest Channel / 64QAM

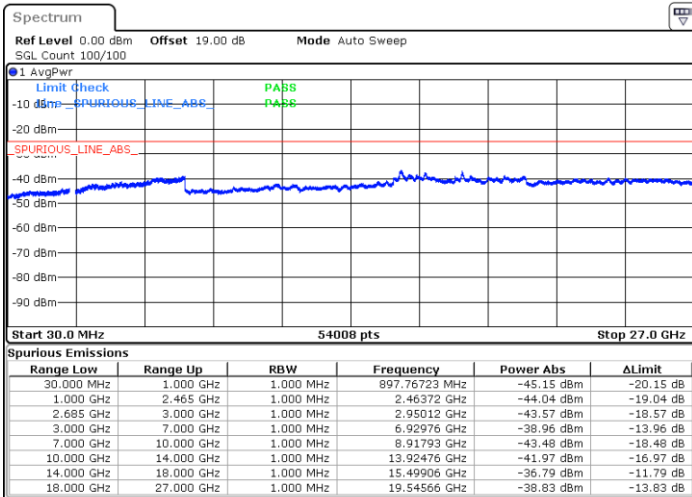
Middle Channel / 64QAM



Date: 22.DEC.2021 12:35:56

Date: 22.DEC.2021 12:37:15

Highest Channel / 64QAM



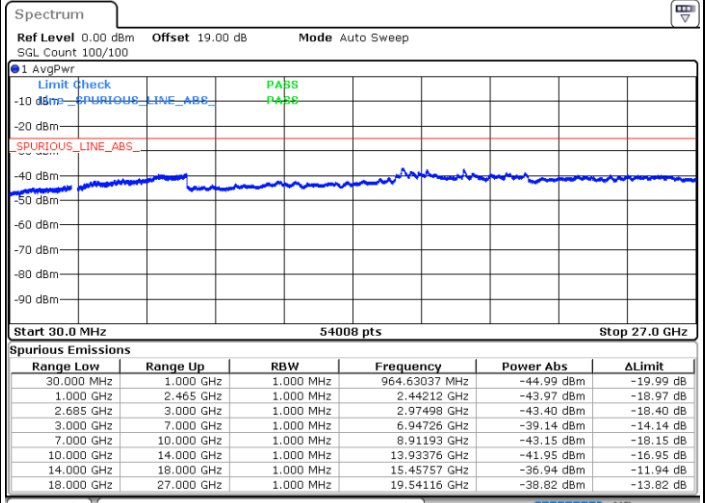
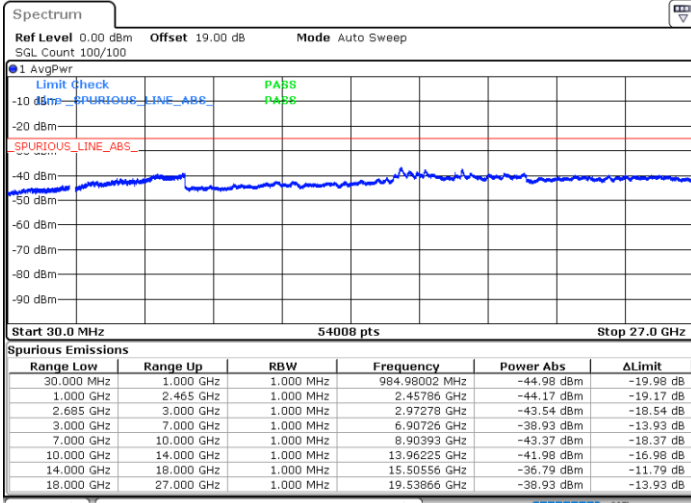
Date: 22.DEC.2021 12:38:33



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

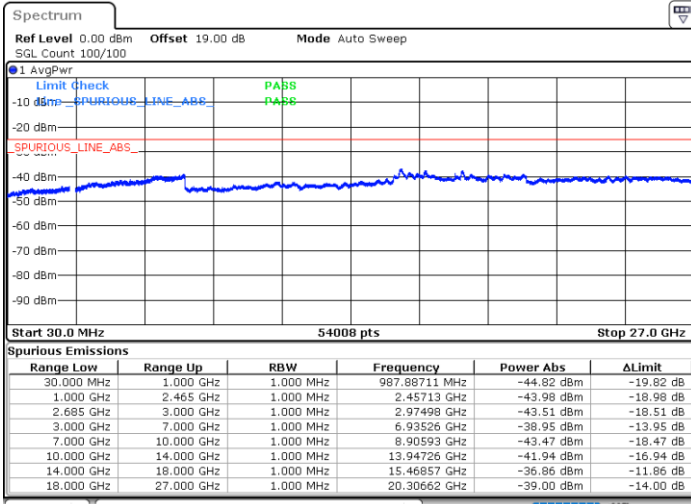
Middle Channel / 64QAM



Date: 22.DEC.2021 12:39:52

Date: 22.DEC.2021 12:41:10

Highest Channel / 64QAM



Date: 22.DEC.2021 12:42:28



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	0.0003	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	ZhangXu	Temperature :	22~25°C
		Relative Humidity :	48~52%

Sample 1 :

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	-57.05	-25	-32.05	-80.97	-62.61	7.14	12.70	H
	7752.27	-55.64	-25	-30.64	-81.21	-58.94	8.30	11.60	H
	10336.36	-52.21	-25	-27.21	-82.80	-53.73	10.48	12.00	H
	5168.18	-56.49	-25	-31.49	-80.91	-62.05	7.14	12.70	V
	7752.27	-52.26	-25	-27.26	-80.92	-55.56	8.30	11.60	V
	10336.36	-50.66	-25	-25.66	-83	-52.18	10.48	12.00	V

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

Sample 2 :

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	-57.13	-25	-32.13	-81.05	-62.69	7.14	12.70	H
	7752.27	-55.64	-25	-30.64	-81.21	-58.94	8.30	11.60	H
	10336.36	-52.42	-25	-27.42	-83.01	-53.94	10.48	12.00	H
	5168.18	-56.65	-25	-31.65	-81.07	-62.21	7.14	12.70	V
	7752.27	-51.86	-25	-26.86	-80.52	-55.16	8.30	11.60	V
	10336.36	-50.72	-25	-25.72	-83.06	-52.24	10.48	12.00	V

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