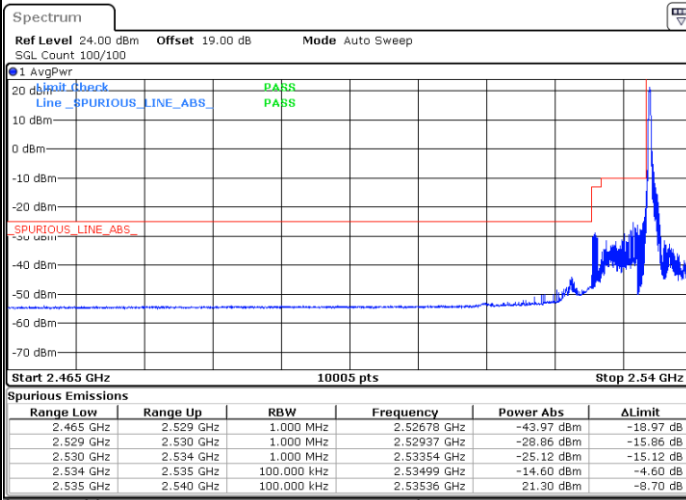




Conducted Band Edge

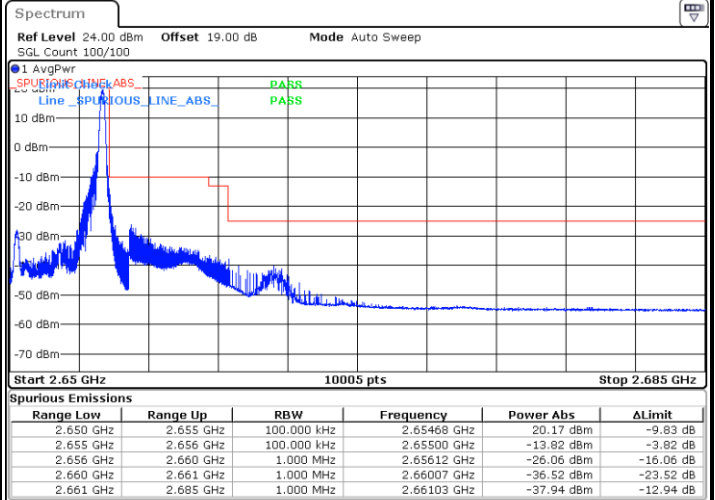
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



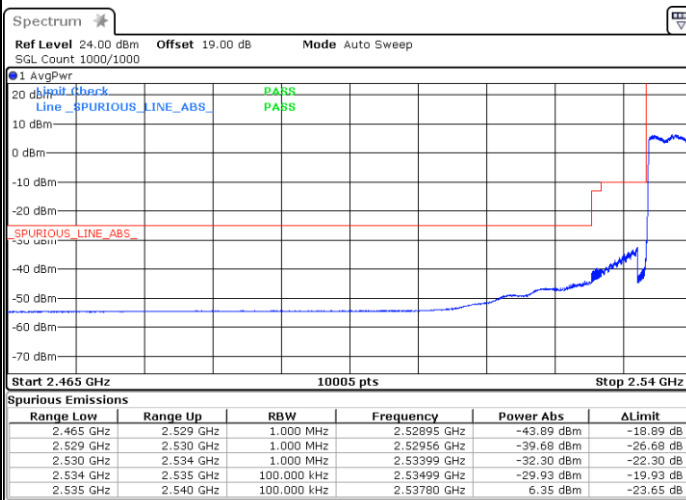
Date: 9.NOV.2023 10:32:22

Highest Band Edge / 1 RB



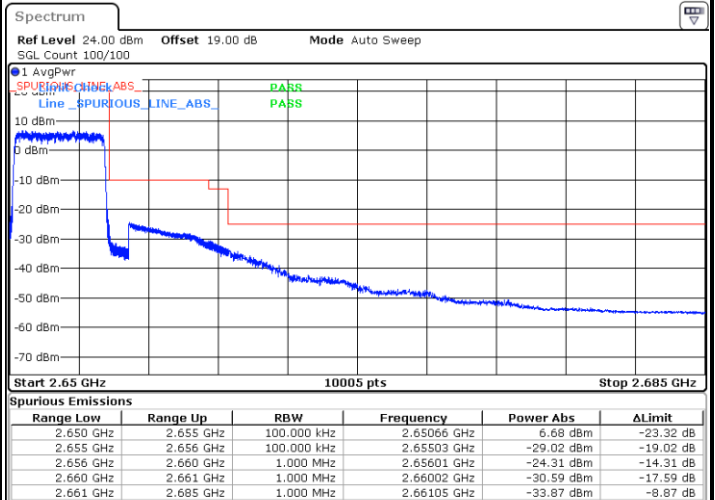
Date: 9.NOV.2023 10:42:38

Lowest Band Edge / Full RB



Date: 9.NOV.2023 13:37:45

Highest Band Edge / Full RB



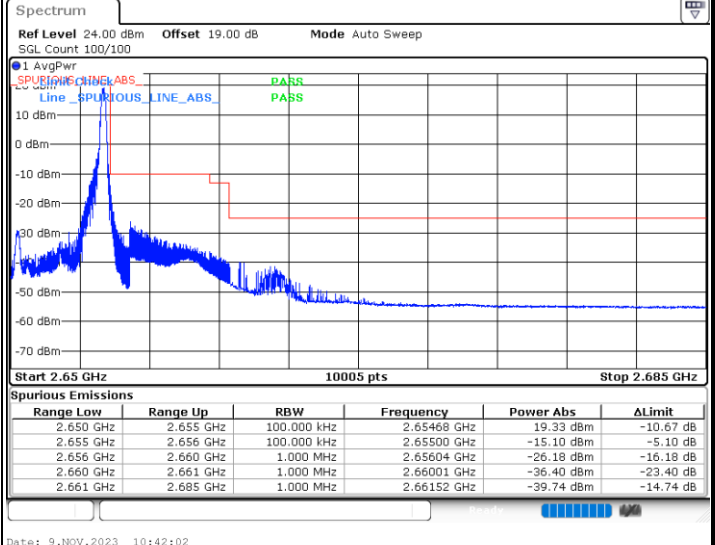
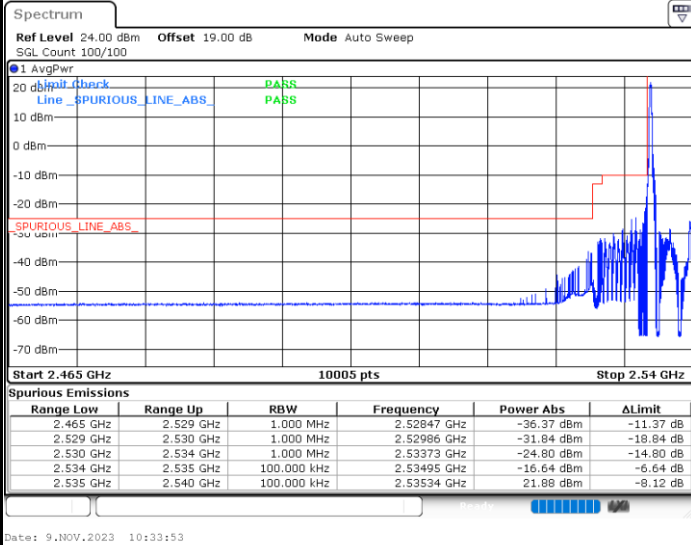
Date: 9.NOV.2023 10:39:18



LTE Band 41 / 5MHz / 16QAM

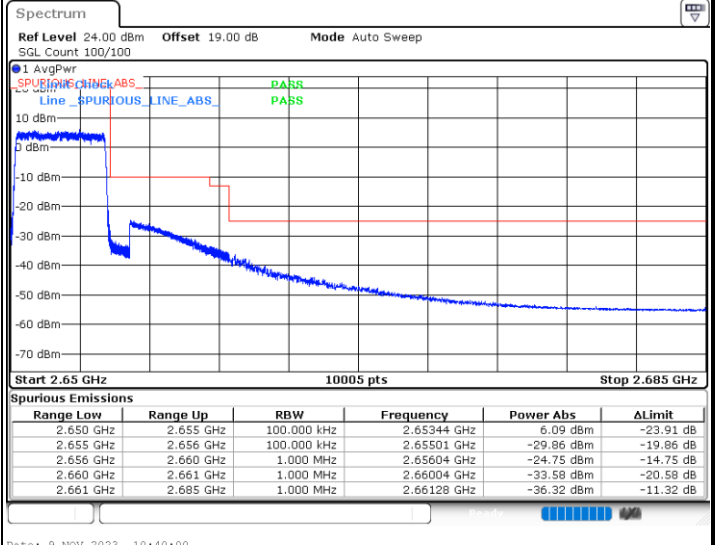
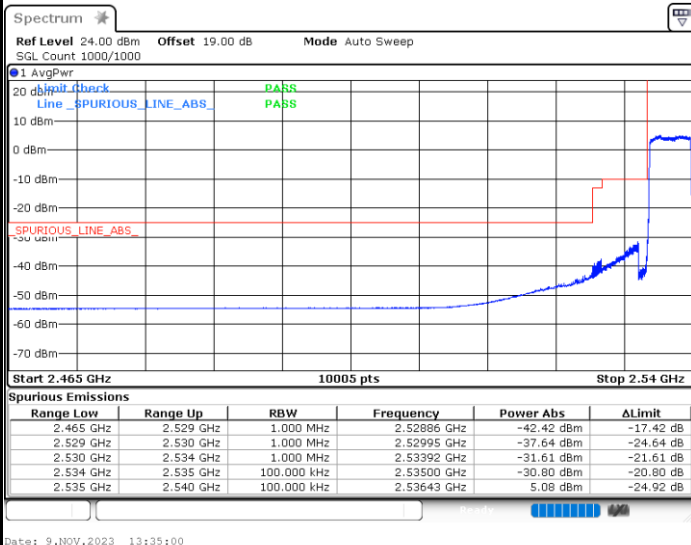
Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

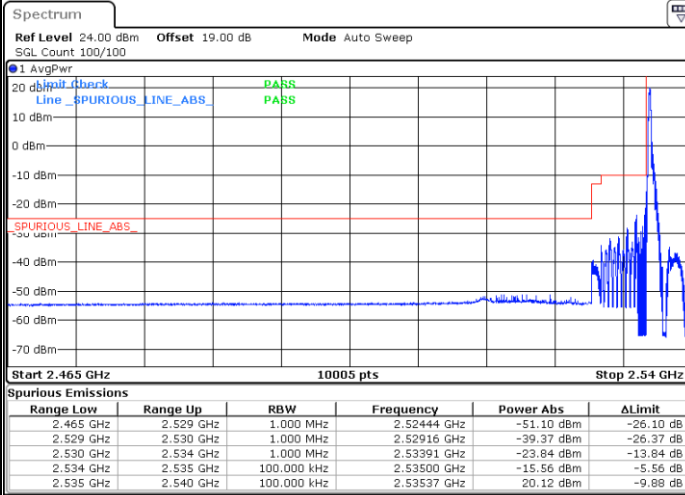
Highest Band Edge / Full RB





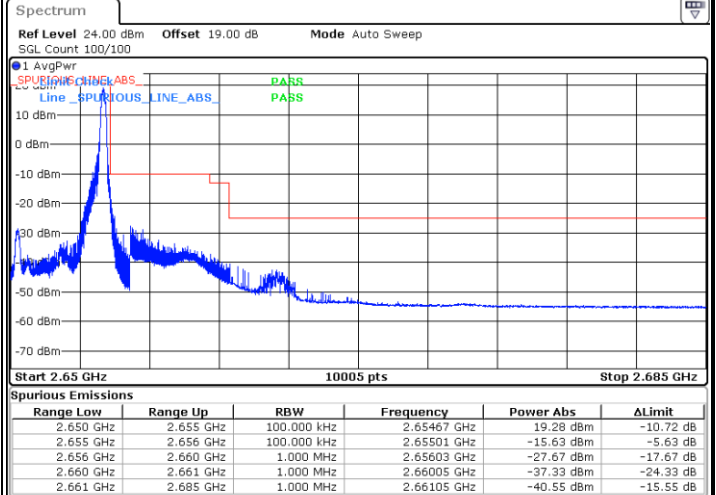
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



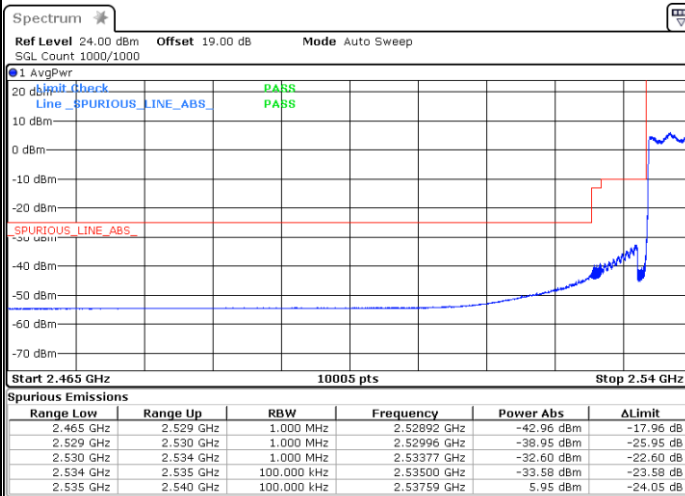
Date: 9.NOV.2023 10:34:35

Highest Band Edge / 1 RB



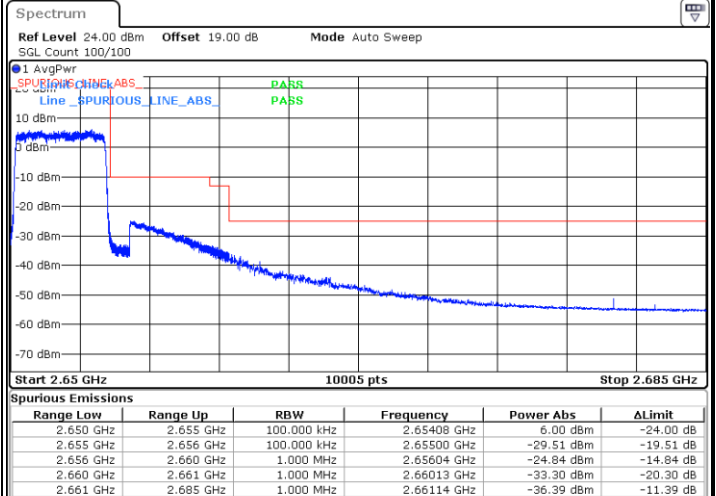
Date: 9.NOV.2023 10:41:26

Lowest Band Edge / Full RB



Date: 9.NOV.2023 13:32:21

Highest Band Edge / Full RB

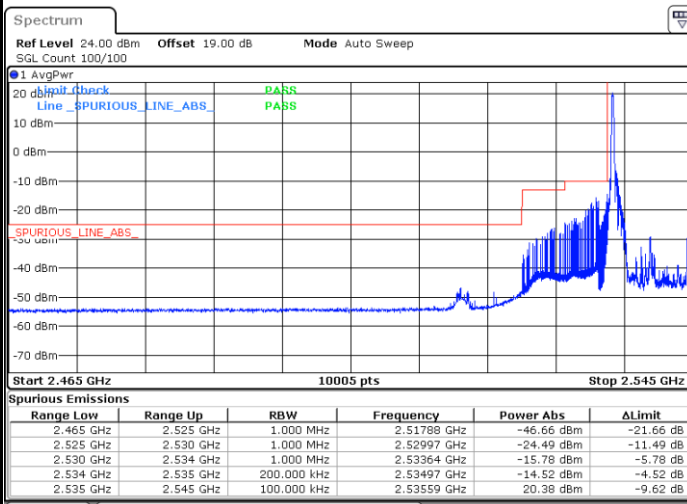


Date: 9.NOV.2023 10:40:36



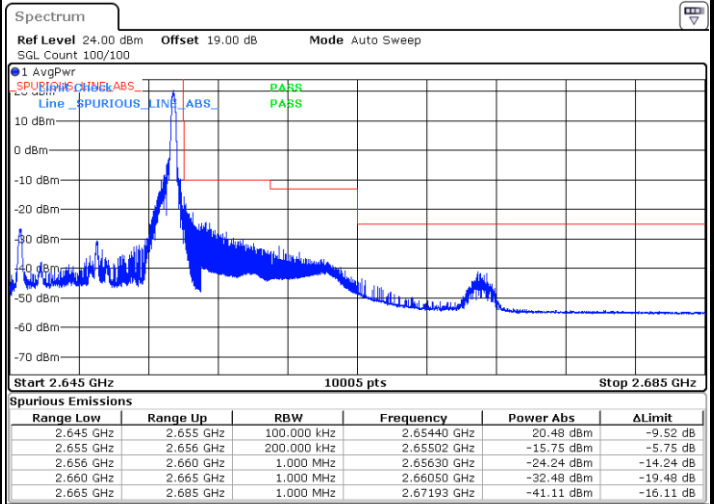
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



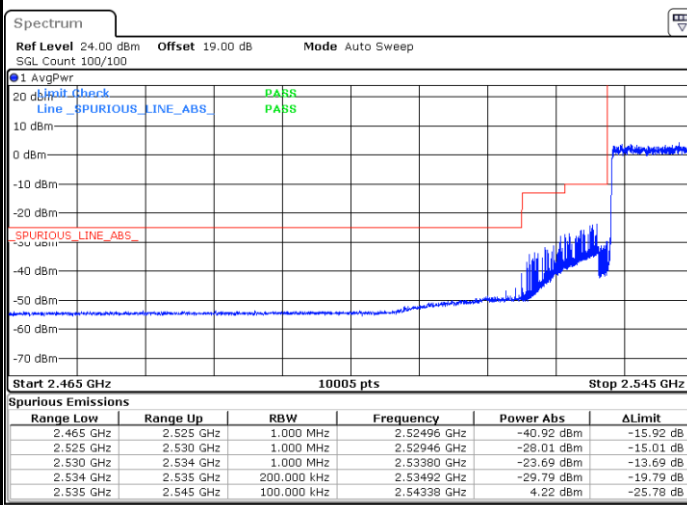
Date: 9.NOV.2023 10:48:24

Highest Band Edge / 1 RB



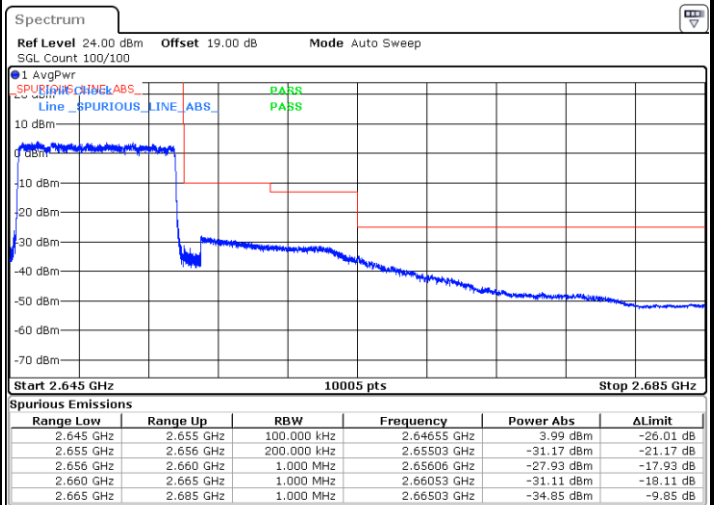
Date: 9.NOV.2023 10:56:06

Lowest Band Edge / Full RB



Date: 9.NOV.2023 10:51:18

Highest Band Edge / Full RB

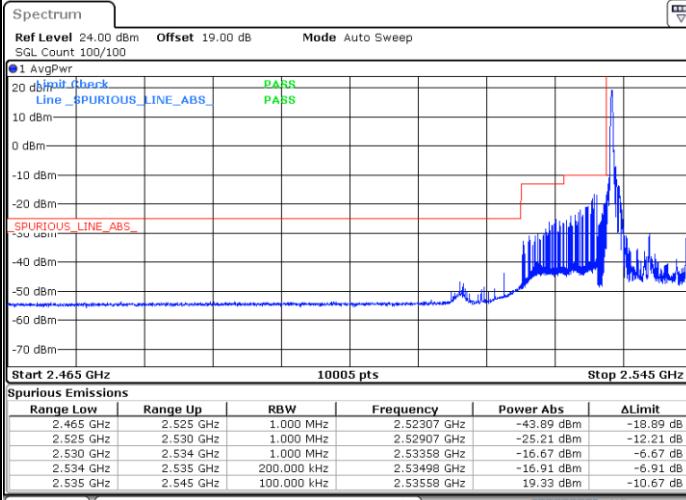


Date: 9.NOV.2023 10:53:01



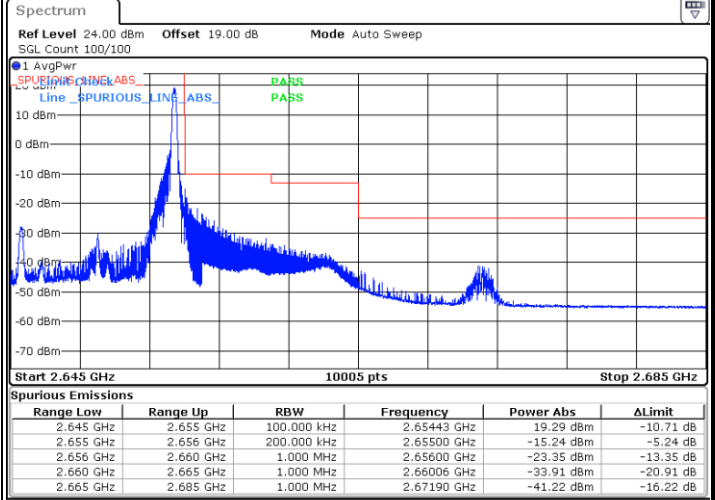
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



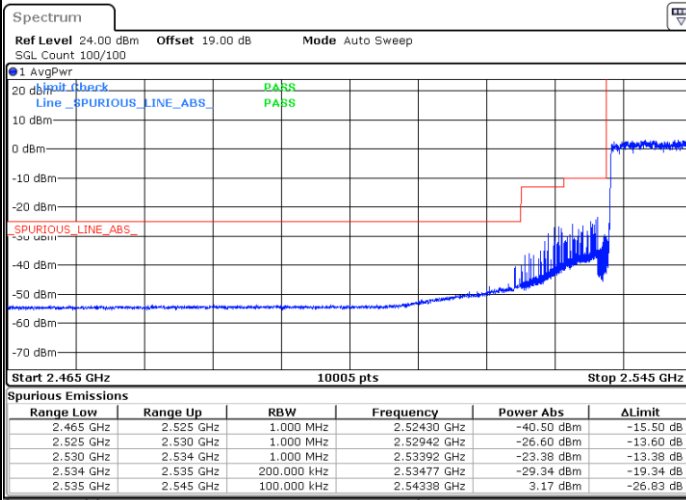
Date: 9.NOV.2023 12:00:06

Highest Band Edge / 1 RB



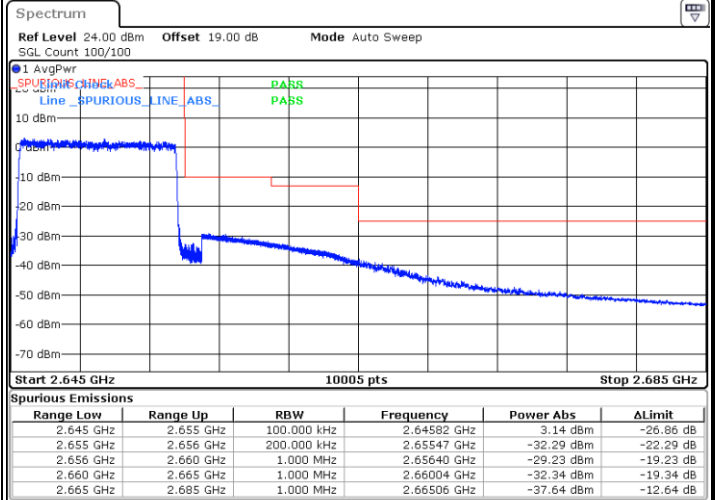
Date: 9.NOV.2023 10:55:20

Lowest Band Edge / Full RB



Date: 9.NOV.2023 10:50:56

Highest Band Edge / Full RB

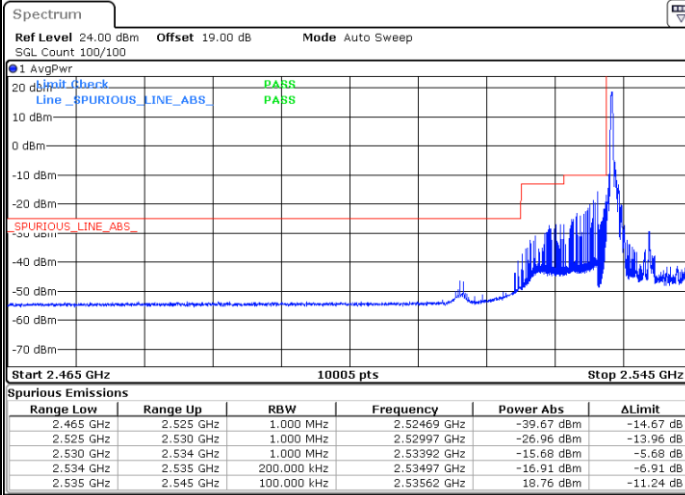


Date: 9.NOV.2023 10:53:35



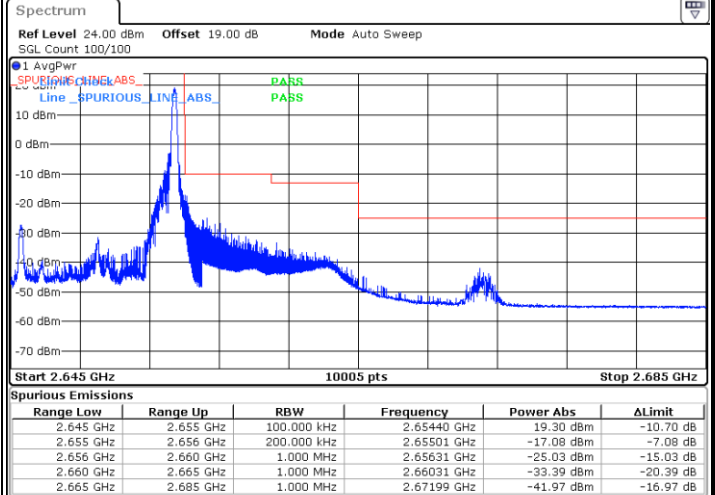
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



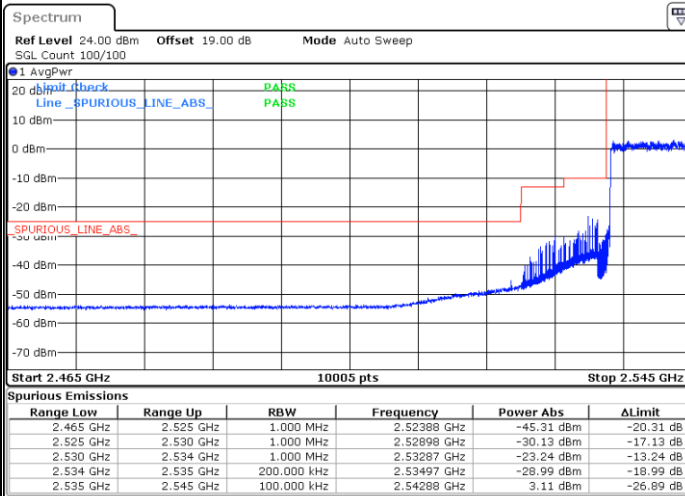
Date: 9.NOV.2023 10:50:11

Highest Band Edge / 1 RB



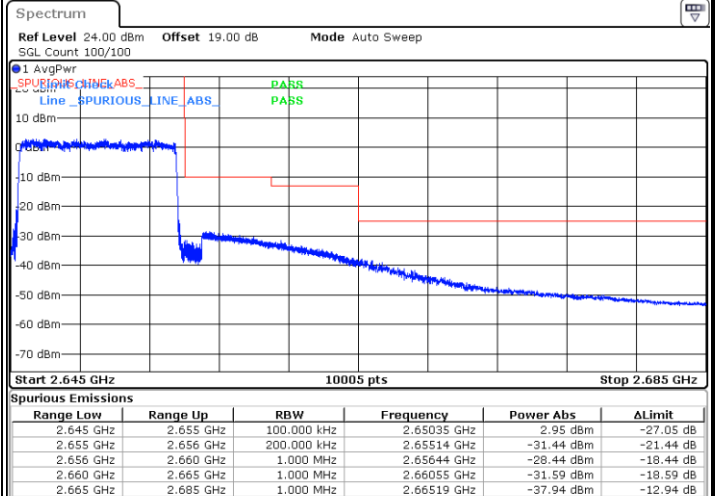
Date: 9.NOV.2023 10:54:49

Lowest Band Edge / Full RB



Date: 9.NOV.2023 10:50:35

Highest Band Edge / Full RB

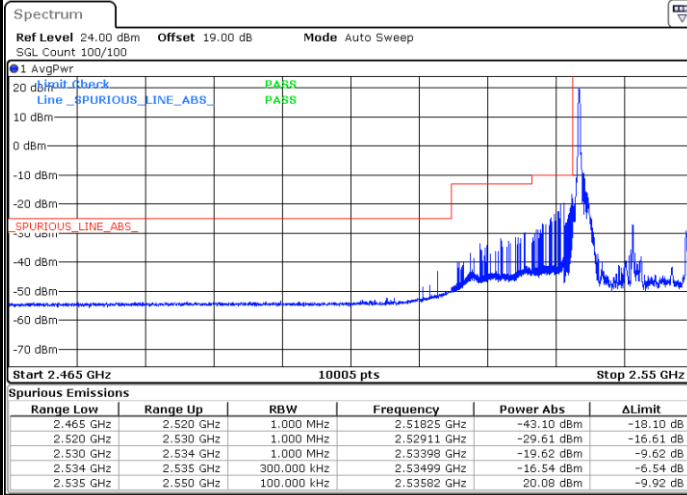


Date: 9.NOV.2023 10:54:07



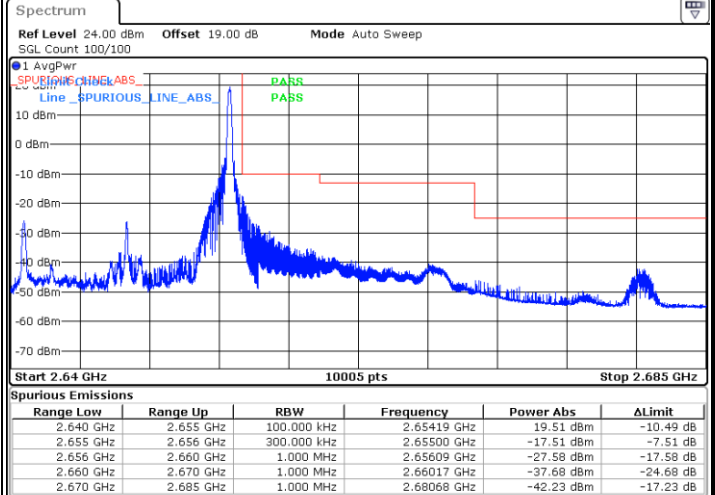
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



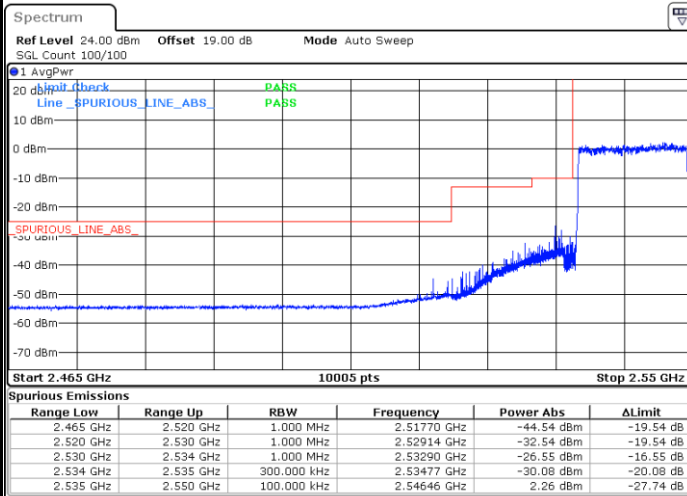
Date: 9.NOV.2023 11:01:28

Highest Band Edge / 1 RB



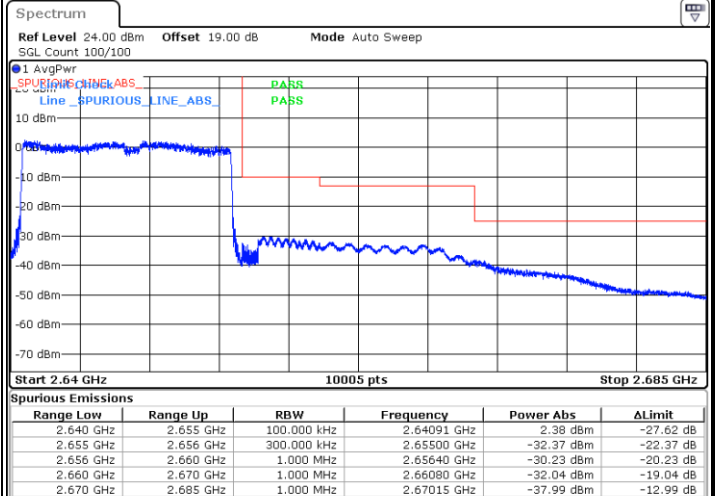
Date: 9.NOV.2023 11:14:28

Lowest Band Edge / Full RB



Date: 9.NOV.2023 11:11:09

Highest Band Edge / Full RB

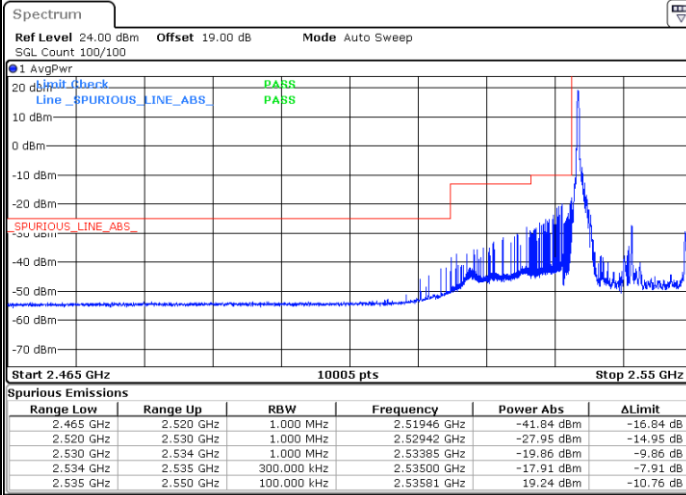


Date: 9.NOV.2023 11:11:47



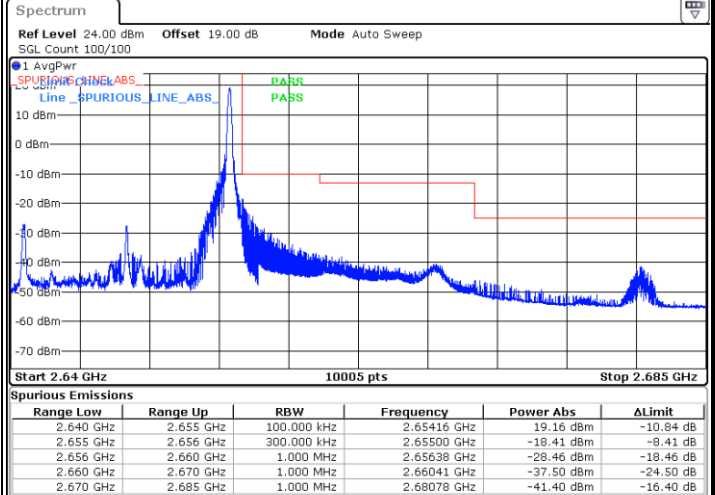
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



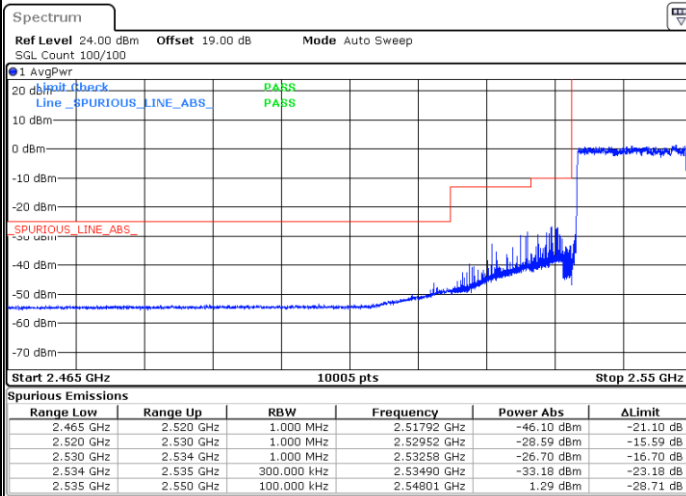
Date: 9.NOV.2023 11:09:45

Highest Band Edge / 1 RB



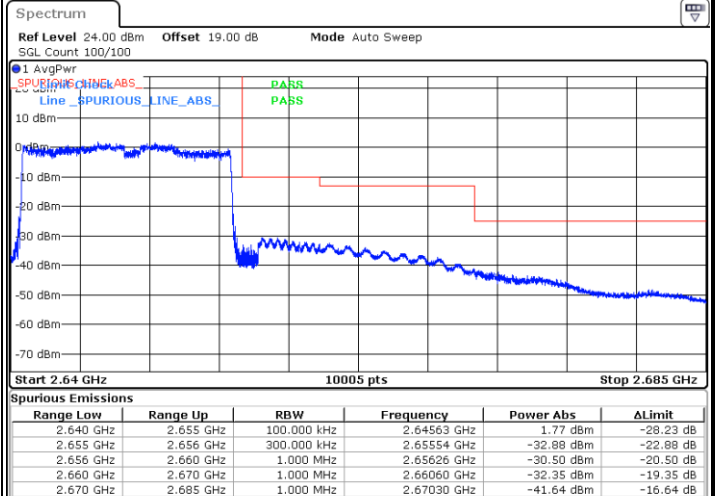
Date: 9.NOV.2023 11:13:53

Lowest Band Edge / Full RB



Date: 9.NOV.2023 11:10:52

Highest Band Edge / Full RB

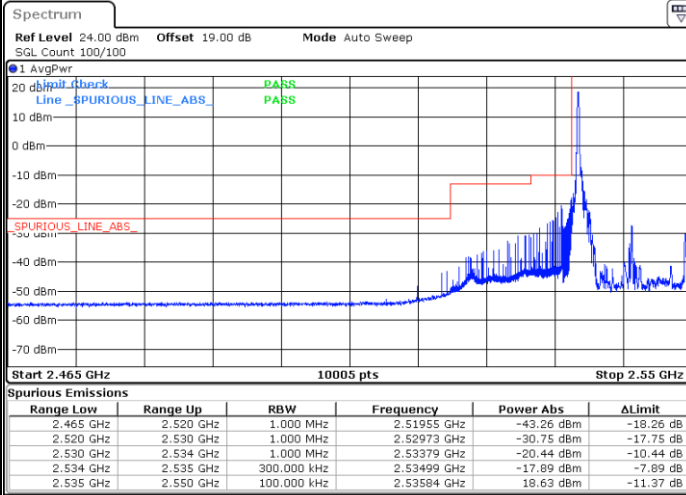


Date: 9.NOV.2023 11:12:16



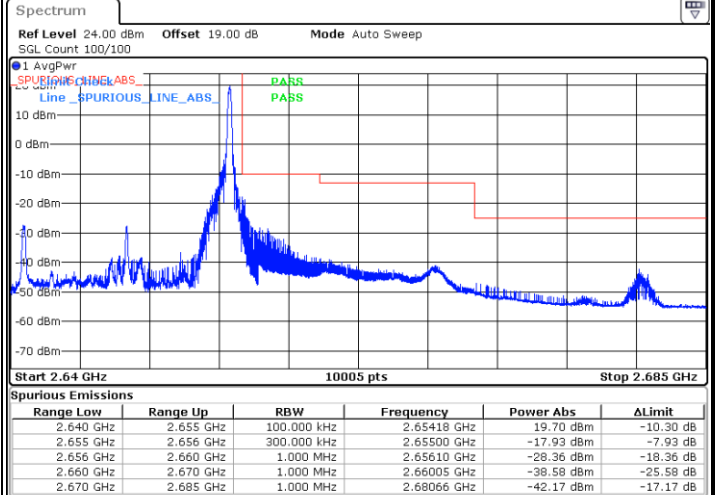
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



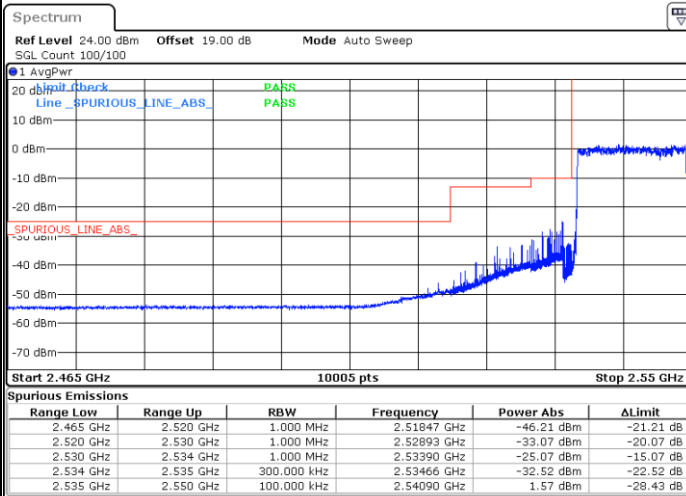
Date: 9.NOV.2023 11:10:04

Highest Band Edge / 1 RB



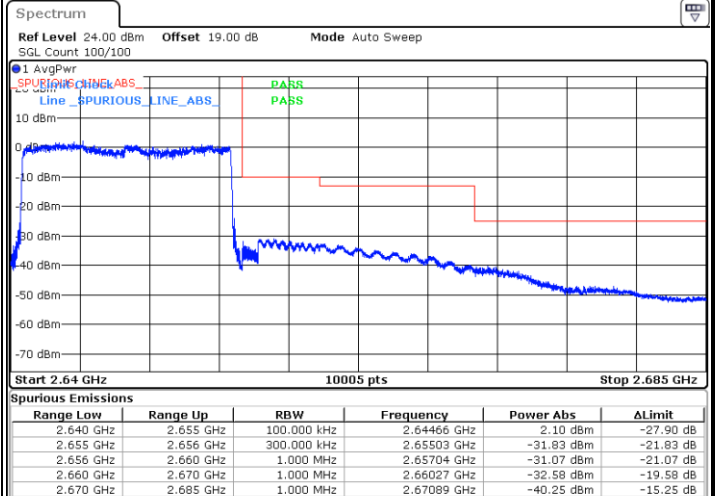
Date: 9.NOV.2023 11:13:23

Lowest Band Edge / Full RB



Date: 9.NOV.2023 11:10:29

Highest Band Edge / Full RB

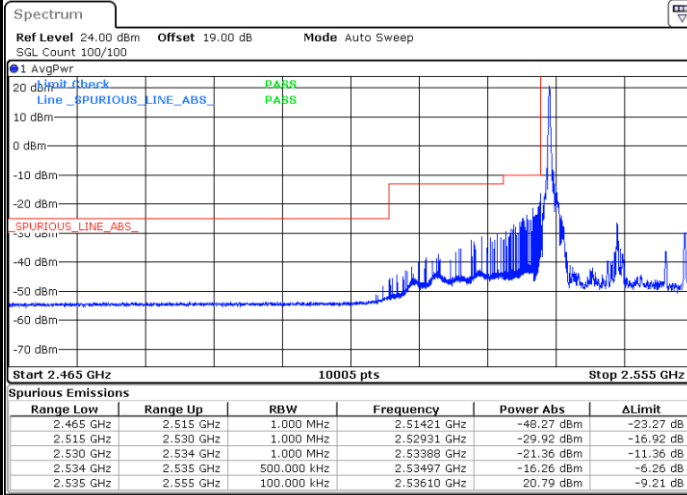


Date: 9.NOV.2023 11:12:48



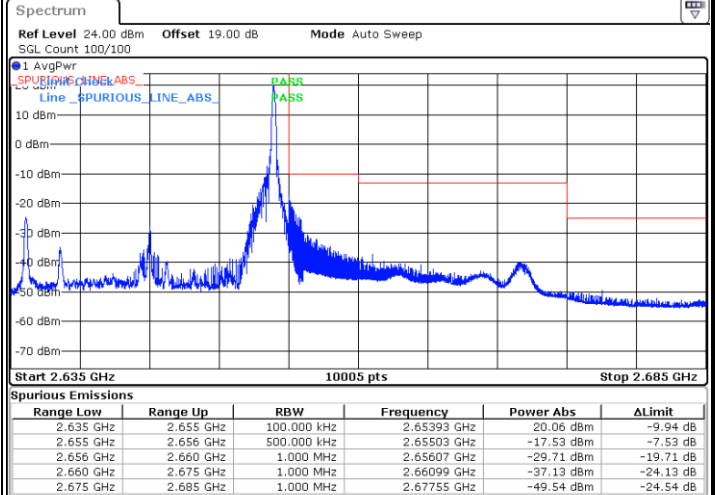
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



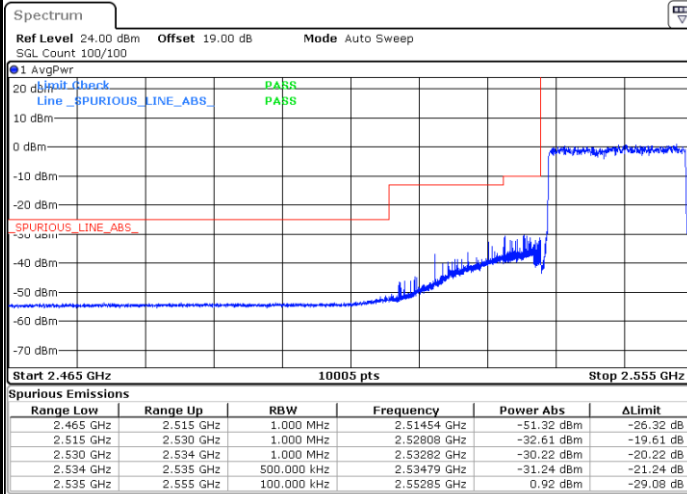
Date: 9.NOV.2023 11:18:33

Highest Band Edge / 1 RB



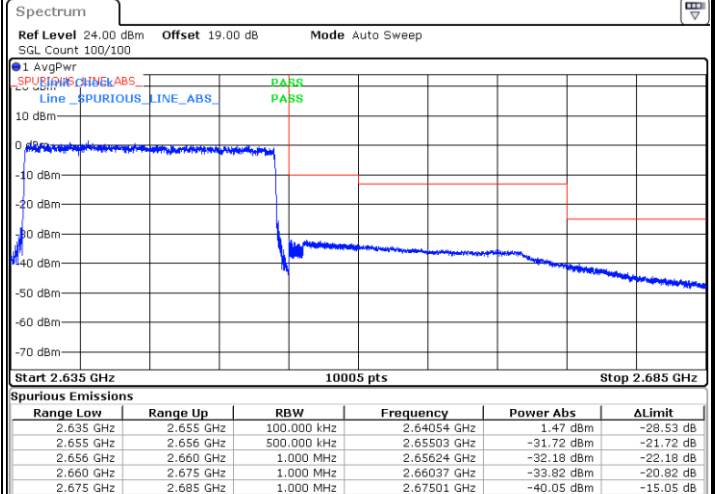
Date: 9.NOV.2023 11:25:39

Lowest Band Edge / Full RB



Date: 9.NOV.2023 11:21:50

Highest Band Edge / Full RB

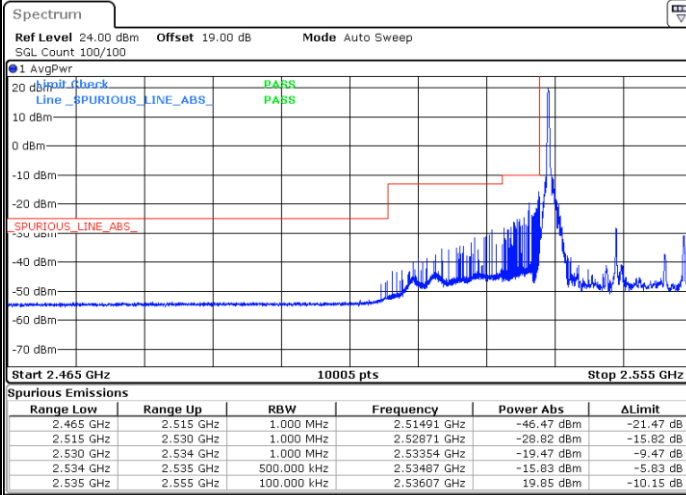


Date: 9.NOV.2023 11:22:39



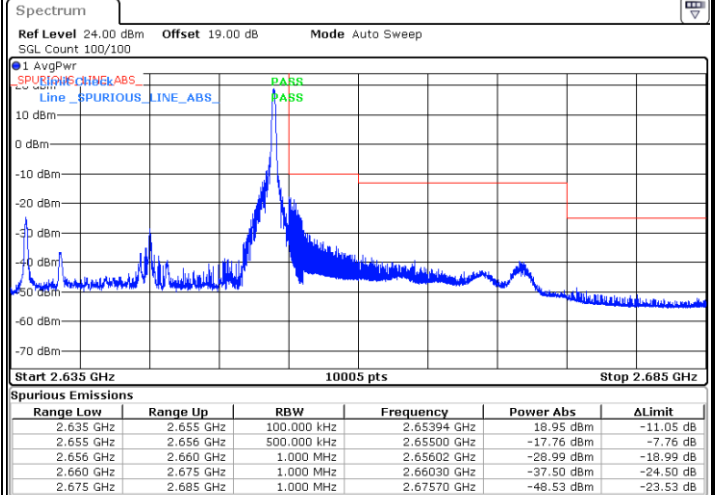
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



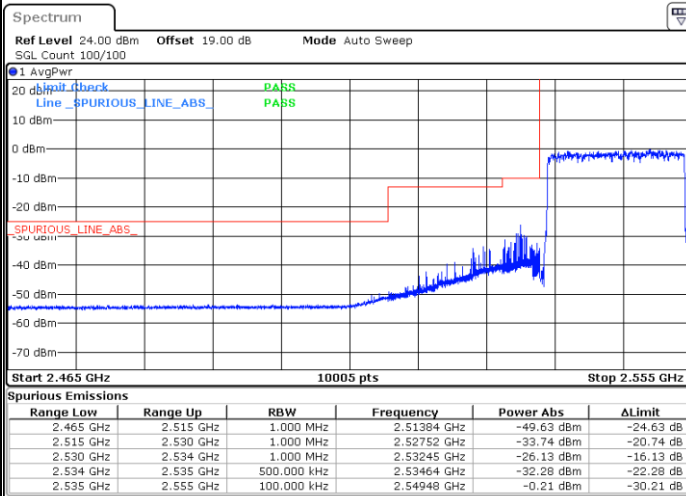
Date: 9.NOV.2023 11:19:54

Highest Band Edge / 1 RB



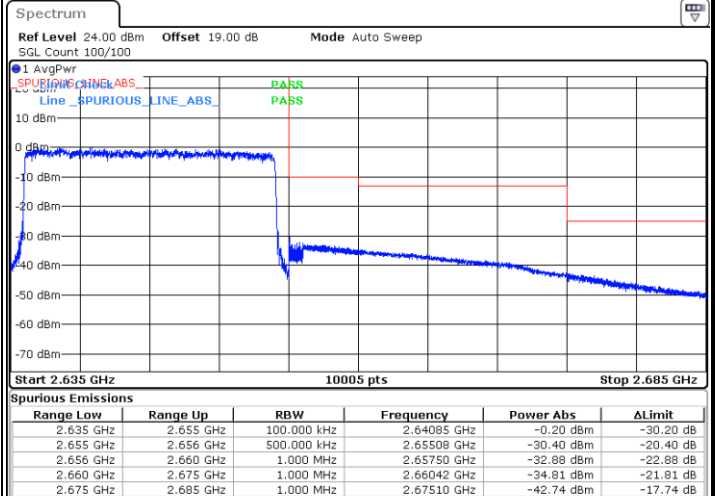
Date: 9.NOV.2023 11:25:06

Lowest Band Edge / Full RB



Date: 9.NOV.2023 11:21:29

Highest Band Edge / Full RB

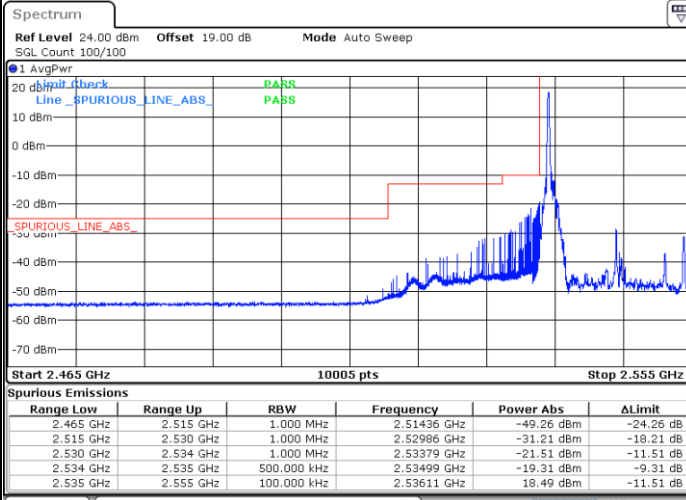


Date: 9.NOV.2023 11:23:09



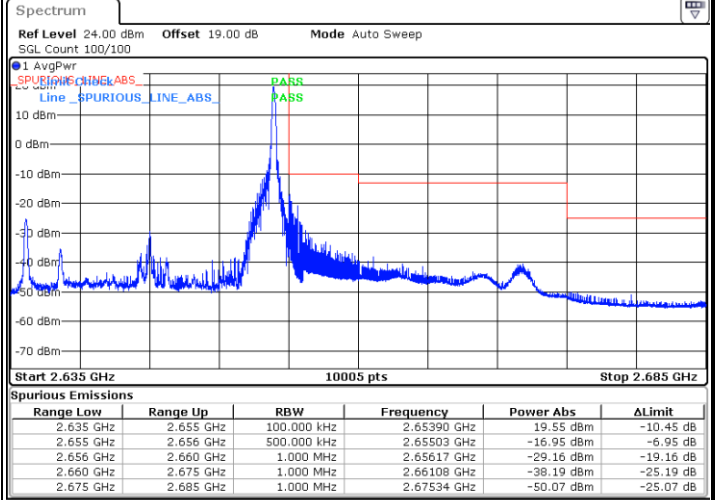
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



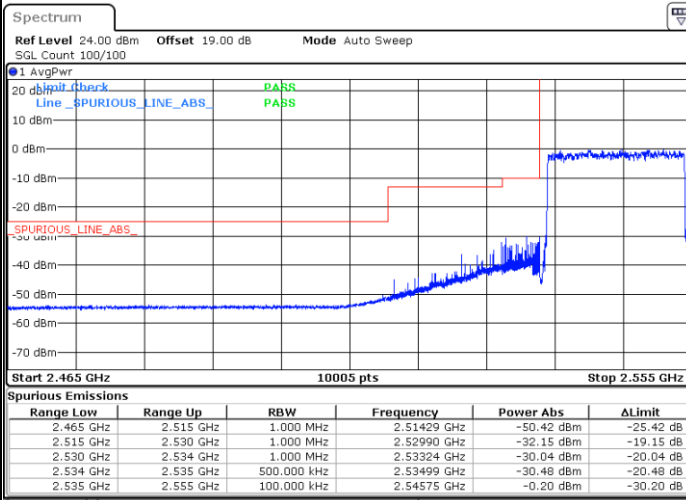
Date: 9.NOV.2023 11:20:18

Highest Band Edge / 1 RB



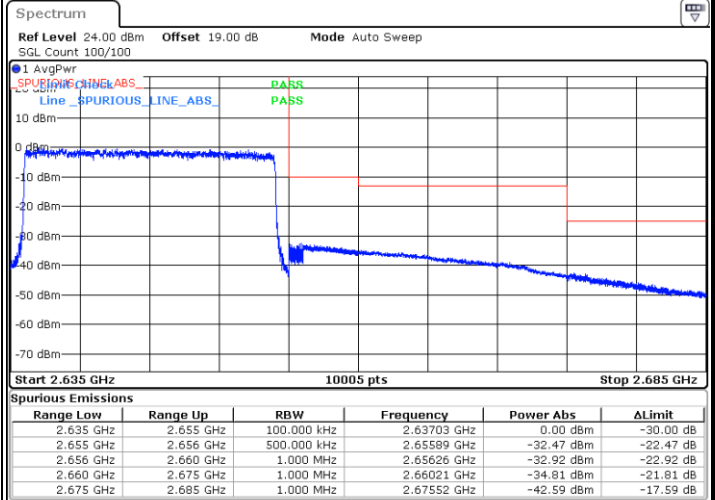
Date: 9.NOV.2023 11:24:35

Lowest Band Edge / Full RB



Date: 9.NOV.2023 11:20:47

Highest Band Edge / Full RB



Date: 9.NOV.2023 11:23:53

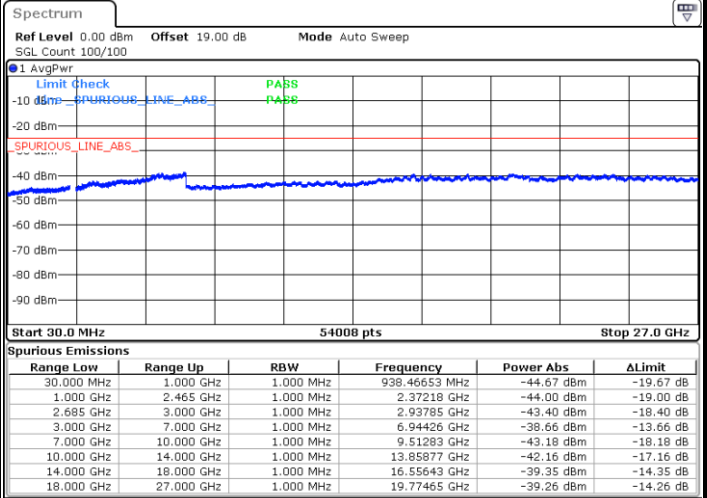
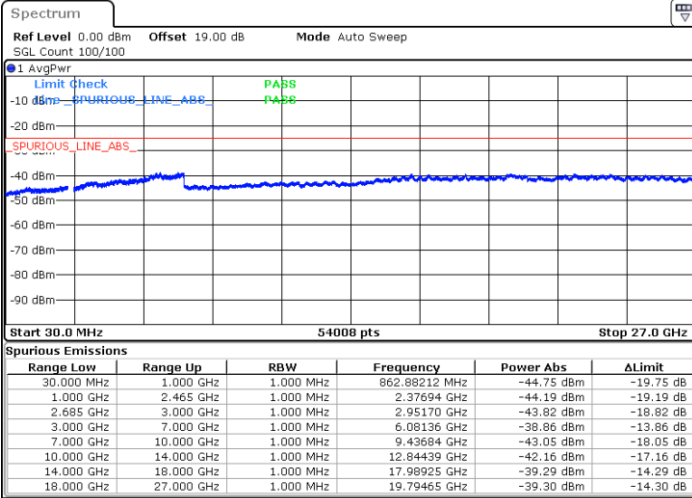


Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

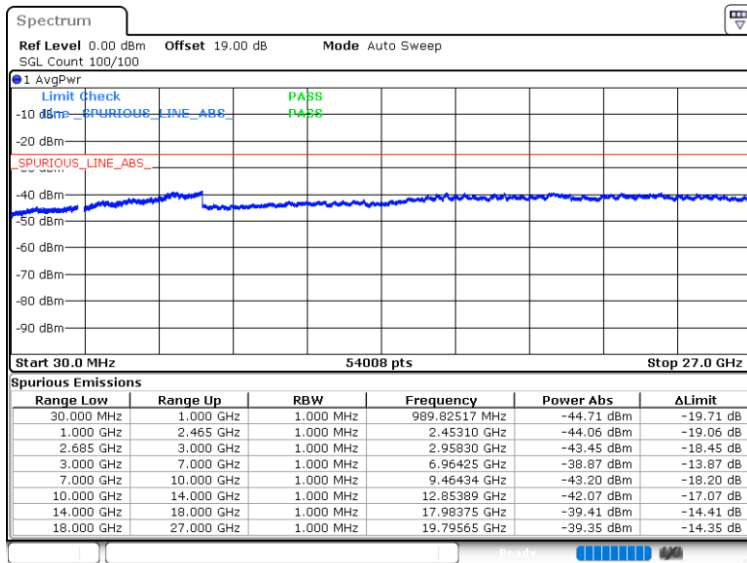
Middle Channel / QPSK



Date: 9.NOV.2023 10:33:25

Date: 9.NOV.2023 10:44:44

Highest Channel / QPSK



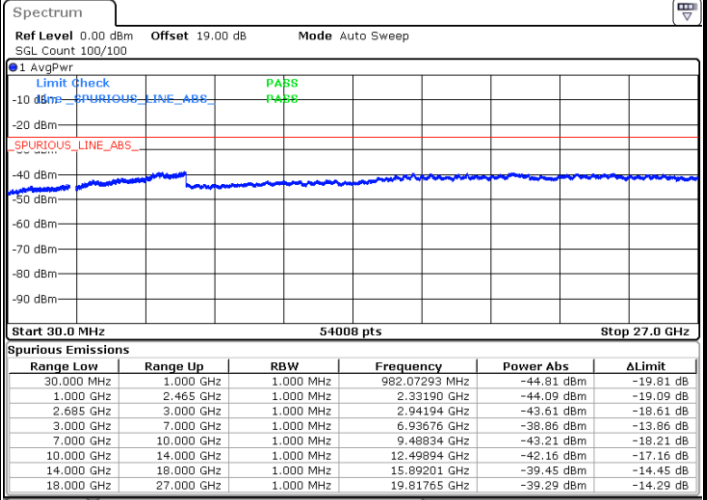
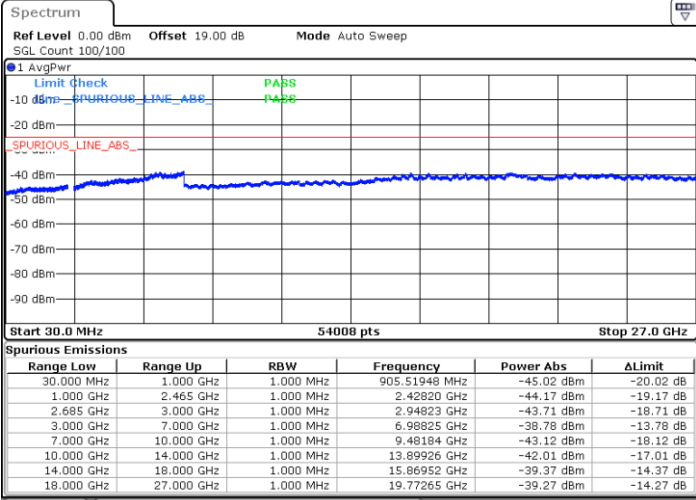
Date: 9.NOV.2023 10:43:41



LTE Band 41 / 10MHz

Lowest Channel / QPSK

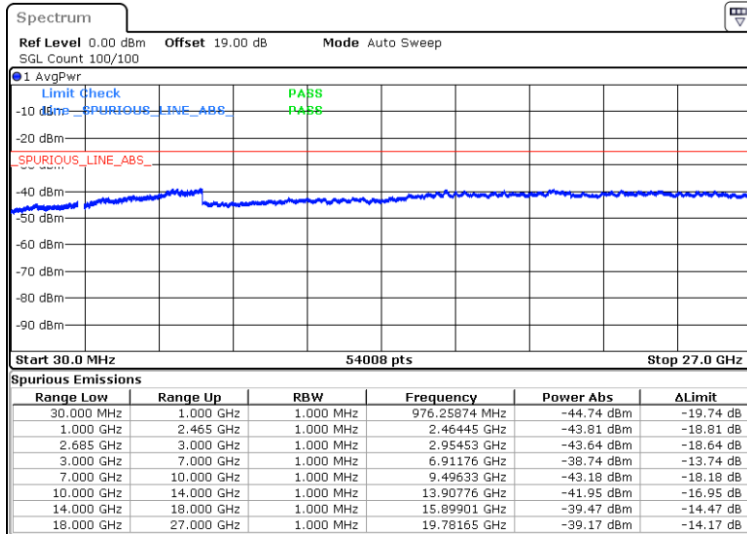
Middle Channel / QPSK



Date: 9.NOV.2023 10:49:25

Date: 9.NOV.2023 10:58:46

Highest Channel / QPSK



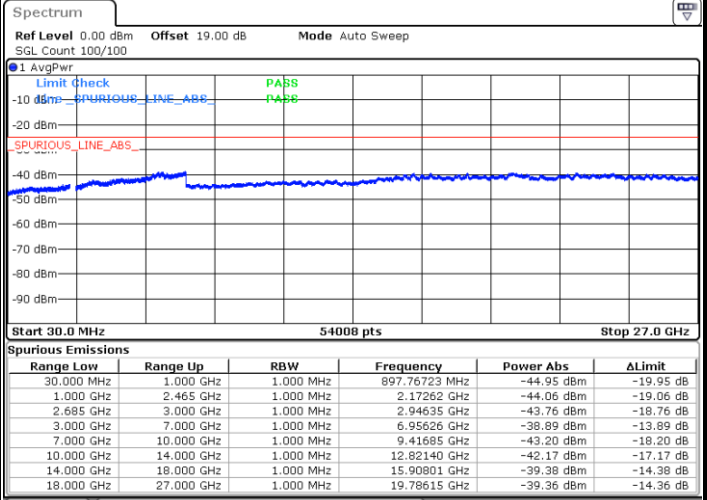
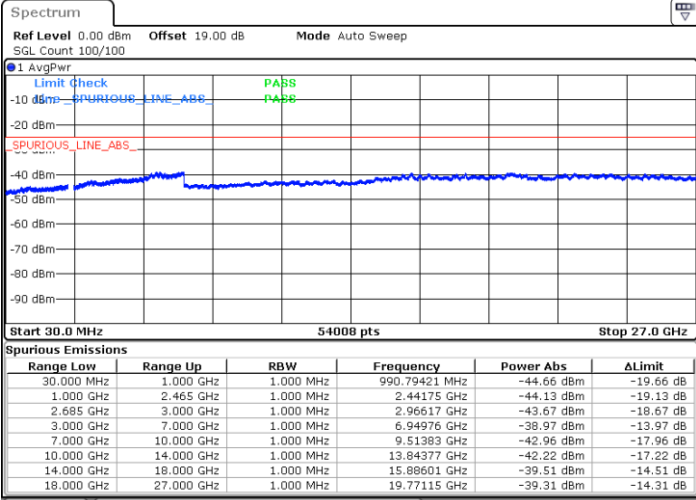
Date: 9.NOV.2023 10:57:39



LTE Band 41 / 15MHz

Lowest Channel / QPSK

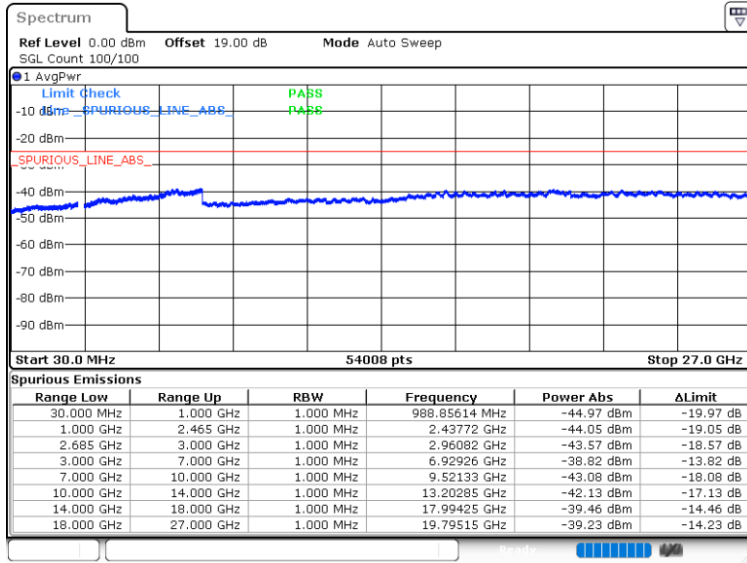
Middle Channel / QPSK



Date: 9.NOV.2023 11:09:23

Date: 9.NOV.2023 11:16:32

Highest Channel / QPSK



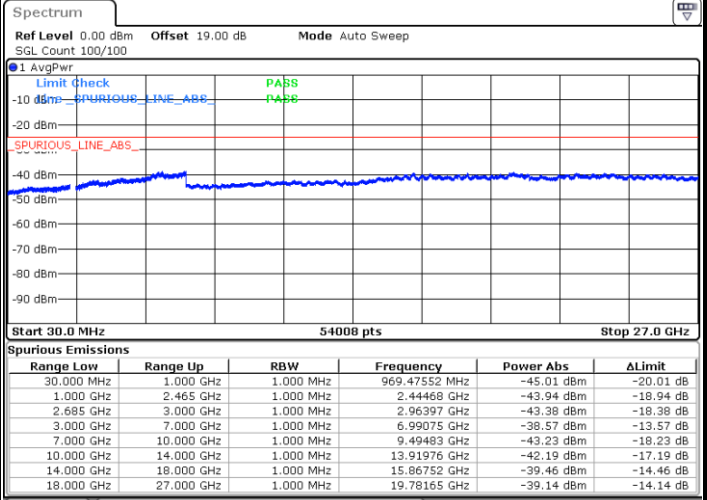
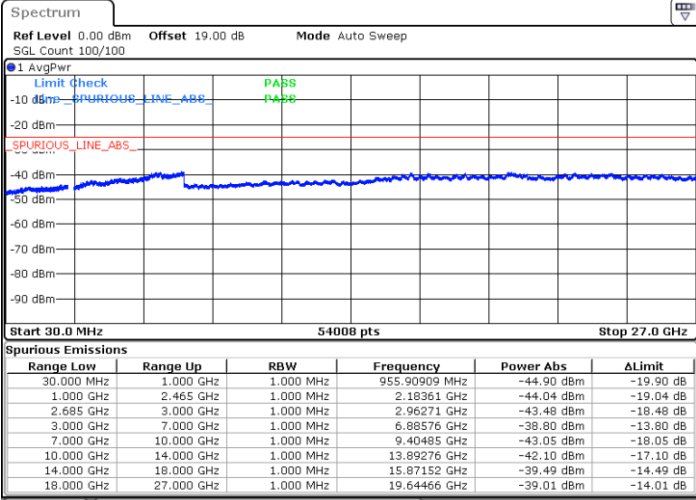
Date: 9.NOV.2023 11:15:30



LTE Band 41 / 20MHz

Lowest Channel / QPSK

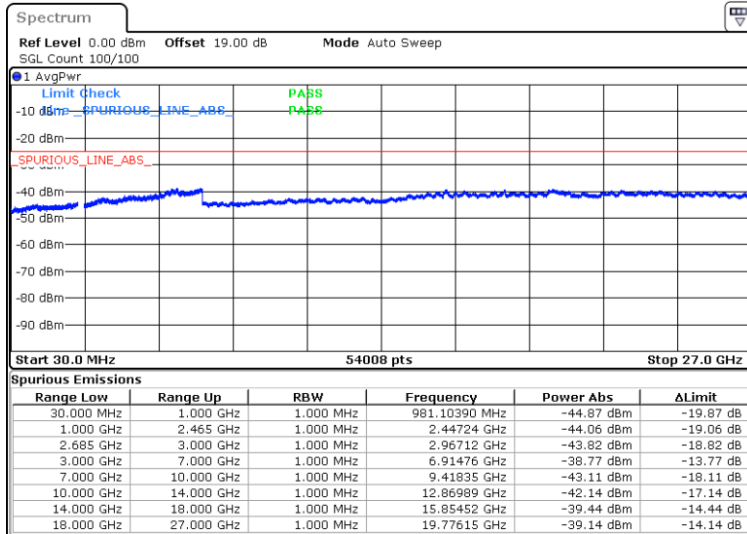
Middle Channel / QPSK



Date: 9.NOV.2023 11:19:29

Date: 9.NOV.2023 11:27:45

Highest Channel / QPSK



Date: 9.NOV.2023 11:26:43



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	0.0012	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0086	
0	Normal Voltage	0.0072	
-10	Normal Voltage	0.0081	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0071	
20	Maximum Voltage	0.0082	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0069	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

LTE Band 5 / 10MHz / 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	1664.18	-65.11	-13	-52.11	-77.31	-68.36	4.00	9.40	H
	2496.27	-60.10	-13	-47.10	-79.47	-63.67	4.88	10.60	H
	3328.36	-59.22	-13	-46.22	-80.47	-64.15	5.52	12.60	H
	1664.18	-63.65	-13	-50.65	-76.52	-66.90	4.00	9.40	V
	2496.27	-59.84	-13	-46.84	-79.47	-63.41	4.88	10.60	V
	3328.36	-58.90	-13	-45.90	-80.65	-63.83	5.52	12.60	V

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

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	5168.00	-56.75	-25	-31.75	-81.42	-62.31	7.14	12.70	H
	7752.00	-55.23	-25	-30.23	-81.46	-58.53	8.30	11.60	H
	10336.00	-52.03	-25	-27.03	-83.22	-53.55	10.48	12.00	H
	5168.00	-56.45	-25	-31.45	-81.62	-62.01	7.14	12.70	V
	7752.00	-51.91	-25	-26.91	-81.23	-55.21	8.30	11.60	V
	10336.00	-50.01	-25	-25.01	-82.95	-51.53	10.48	12.00	V

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