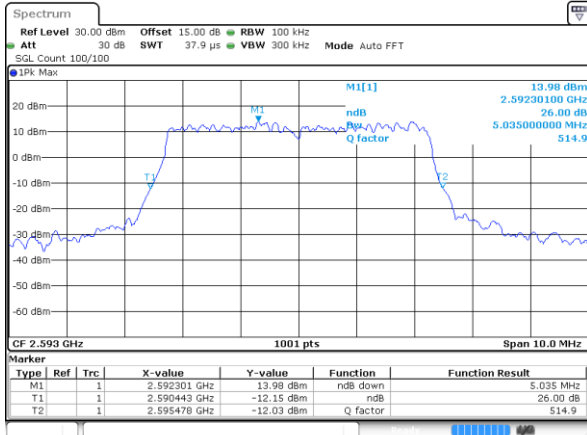


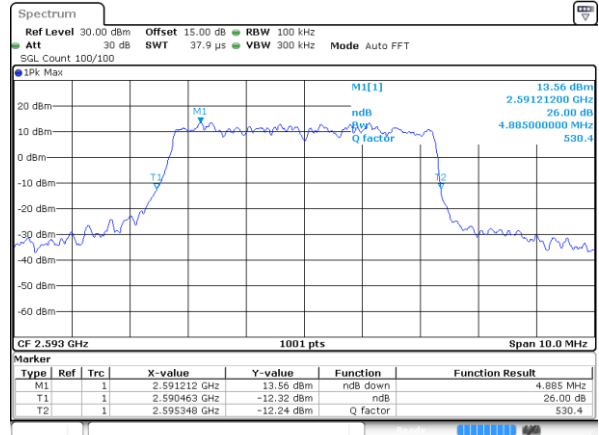


LTE Band 41

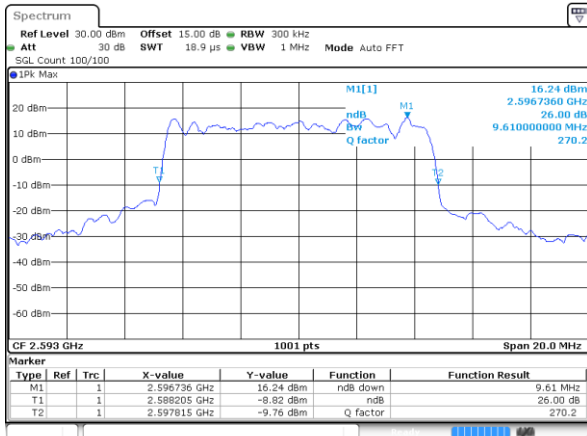
Middle Channel / 5MHz / QPSK



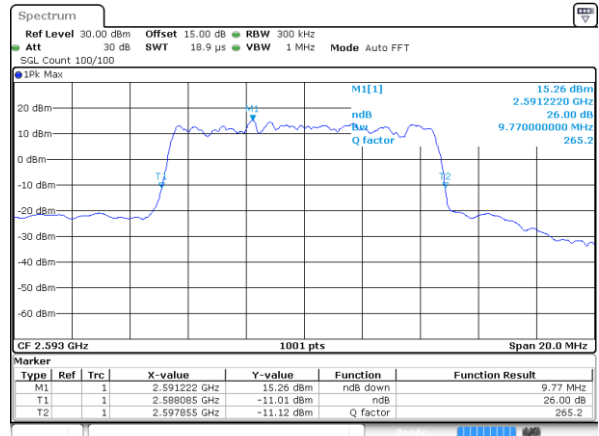
Middle Channel / 5MHz / 16QAM



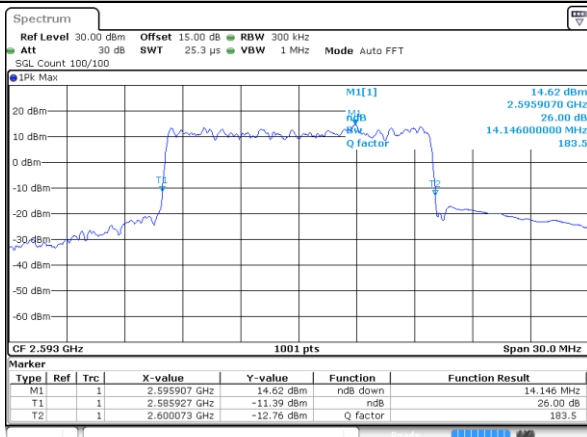
Middle Channel / 10MHz / QPSK



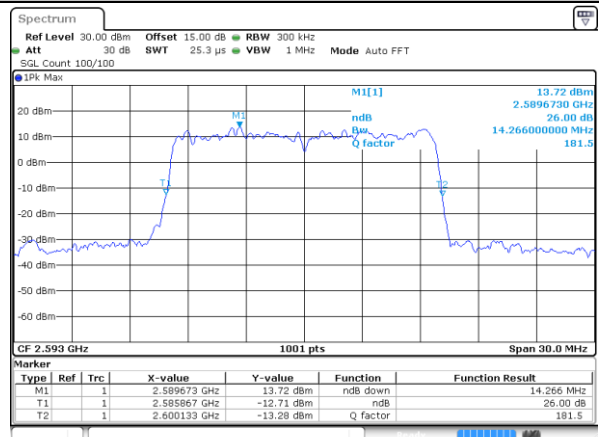
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



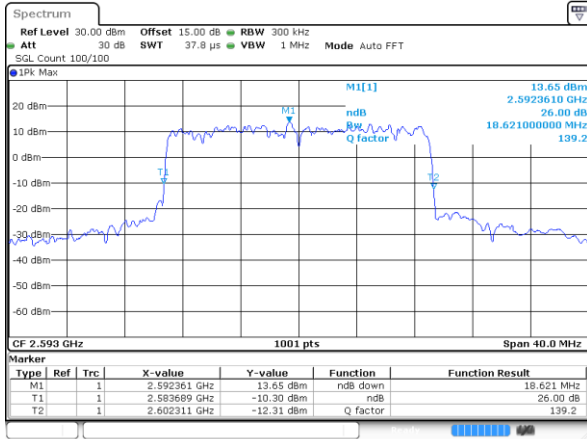
Middle Channel / 15MHz / 16QAM





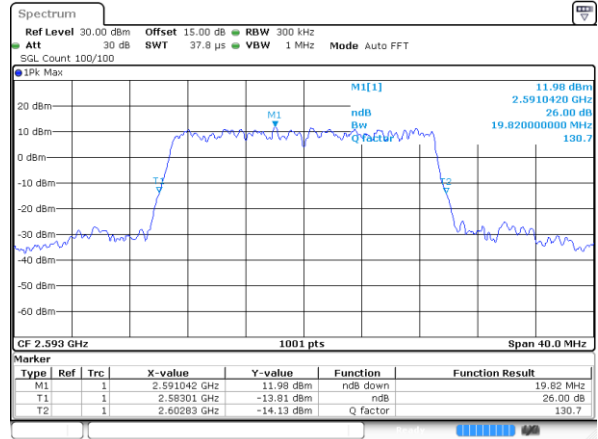
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 22.AUG.2024 04:41:18

Middle Channel / 20MHz / 16QAM



Date: 22.AUG.2024 04:42:01



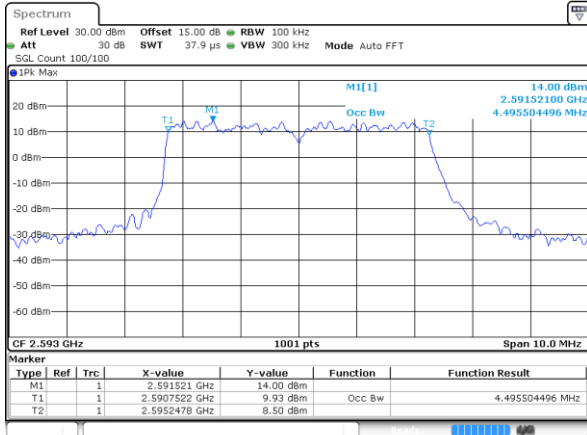
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.47	9.05	9.11	13.49	13.49	17.90	17.90



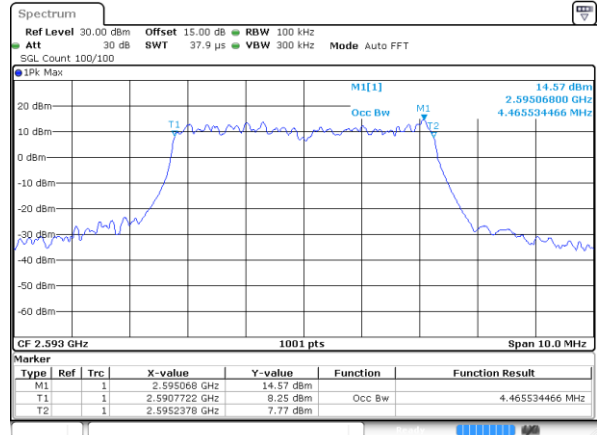
LTE Band 41

Middle Channel / 5MHz / QPSK



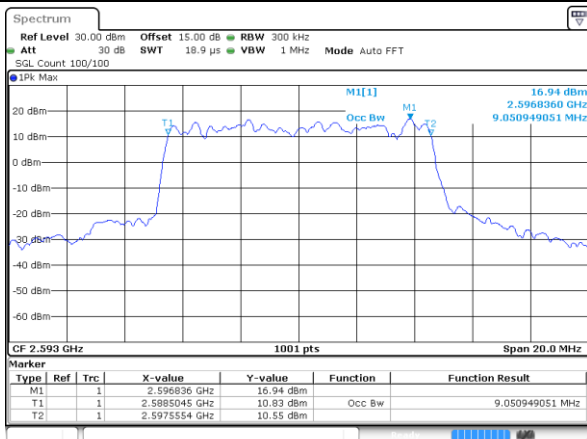
Date: 22 AUG 2024 03:51:16

Middle Channel / 5MHz / 16QAM



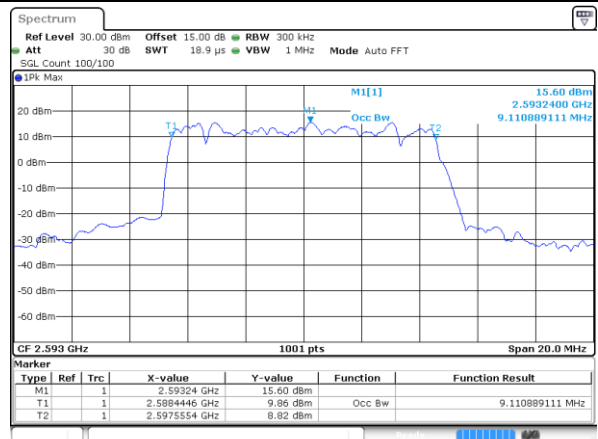
Date: 22 AUG 2024 03:51:59

Middle Channel / 10MHz / QPSK



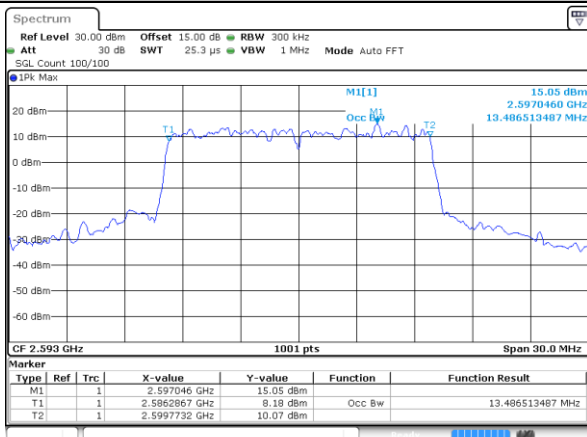
Date: 22 AUG 2024 04:08:41

Middle Channel / 10MHz / 16QAM



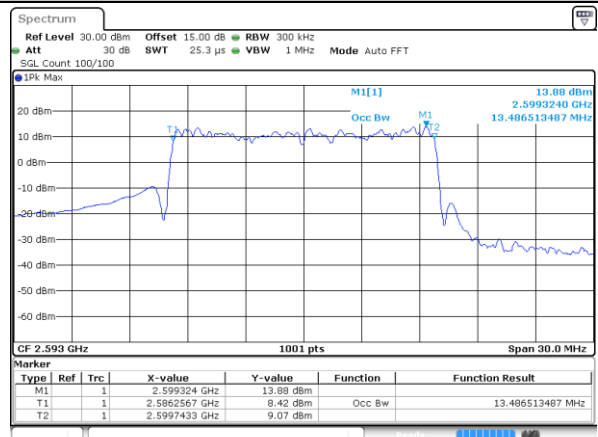
Date: 22 AUG 2024 04:09:23

Middle Channel / 15MHz / QPSK



Date: 22 AUG 2024 04:24:44

Middle Channel / 15MHz / 16QAM

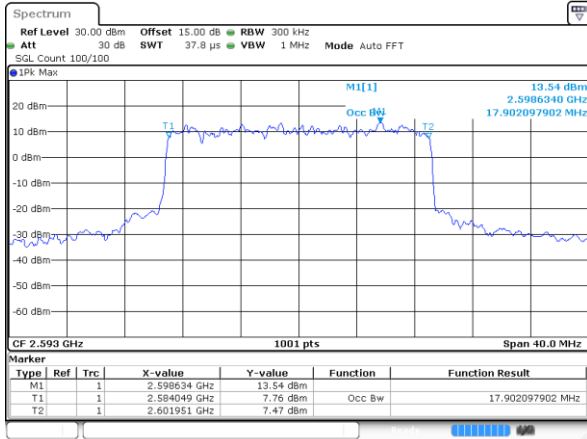


Date: 22 AUG 2024 04:25:26



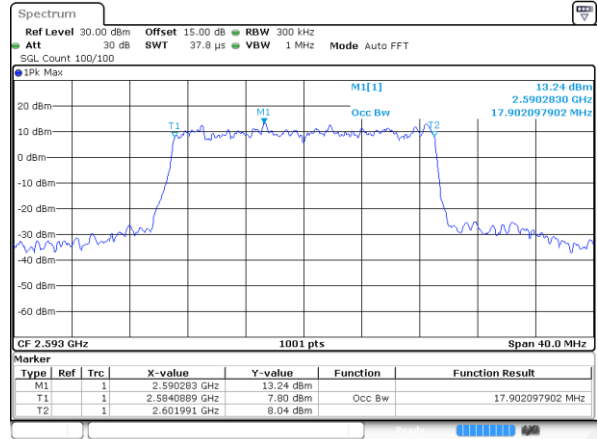
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 22.AUG.2024 04:41:04

Middle Channel / 20MHz / 16QAM



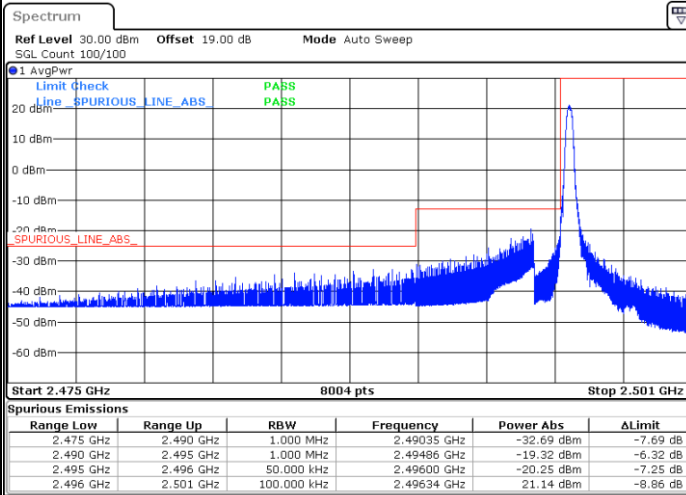
Date: 22.AUG.2024 04:41:47



Conducted Band Edge

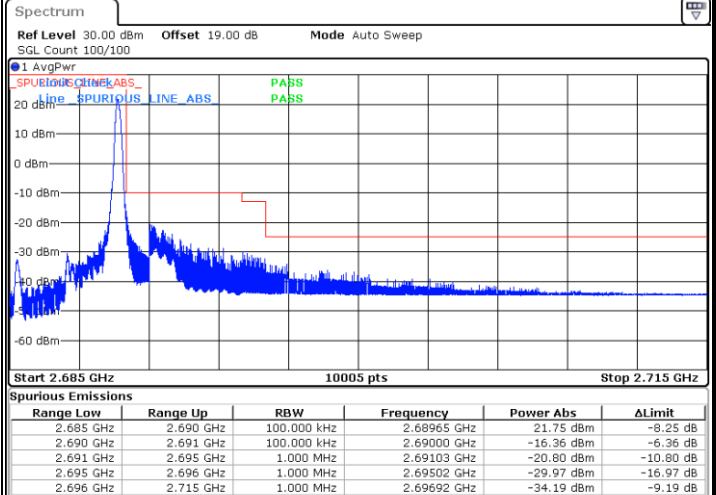
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



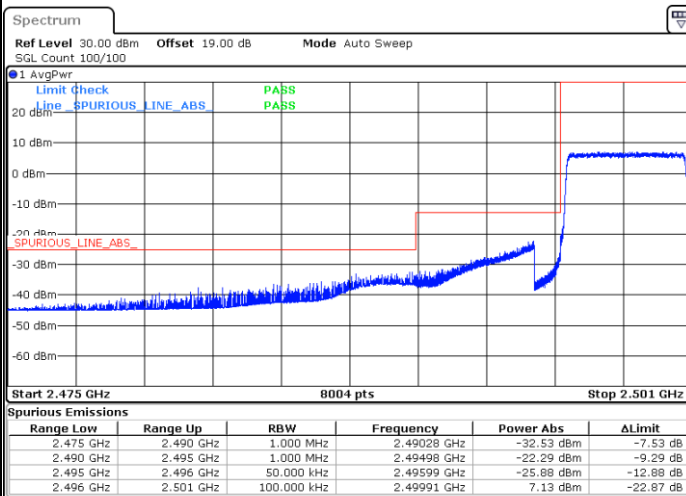
Date: 22 AUG 2024 03:43:44

Highest Band Edge / 1 RB



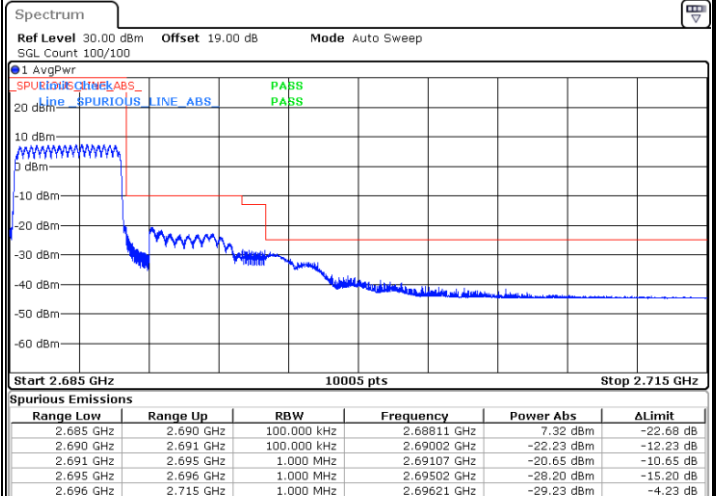
Date: 22 AUG 2024 04:55:01

Lowest Band Edge / Full RB



Date: 22 AUG 2024 03:48:19

Highest Band Edge / Full RB

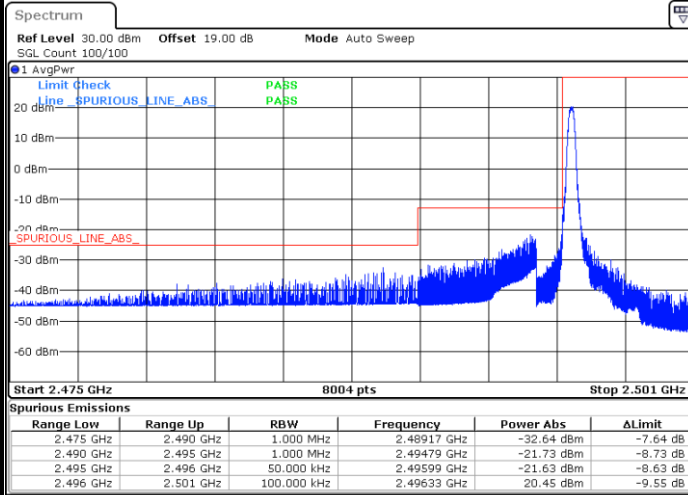


Date: 22 AUG 2024 05:01:37



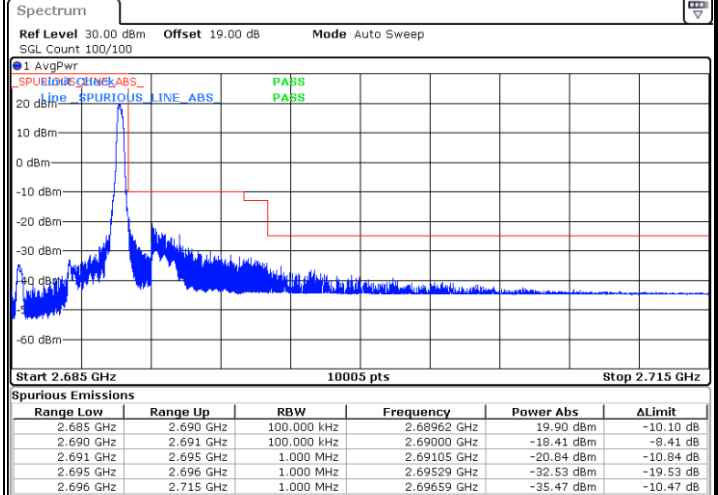
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



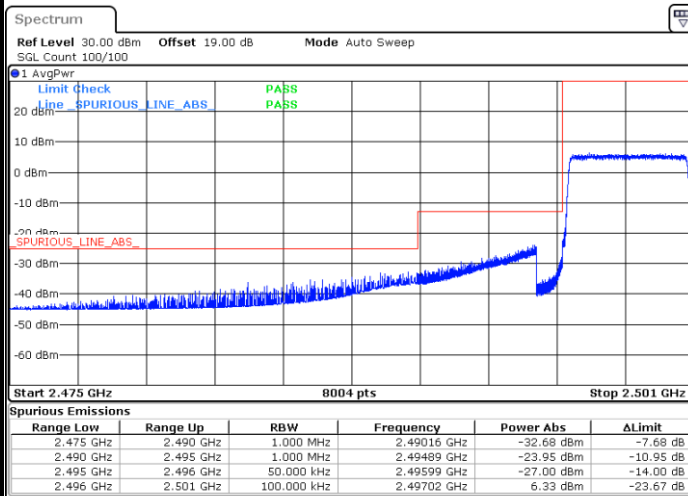
Date: 22 AUG 2024 03:44:39

Highest Band Edge / 1 RB



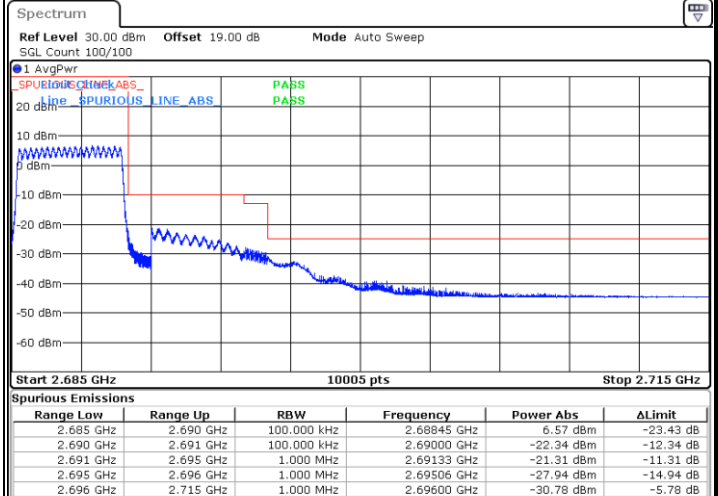
Date: 22 AUG 2024 04:56:20

Lowest Band Edge / Full RB



Date: 22 AUG 2024 03:47:24

Highest Band Edge / Full RB

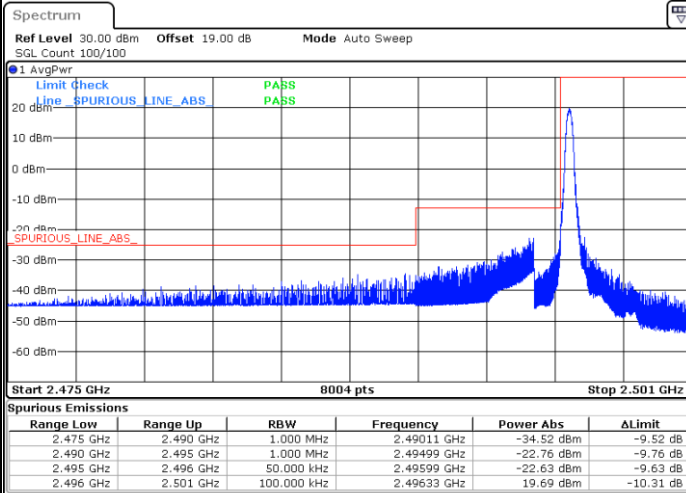


Date: 22 AUG 2024 05:00:18



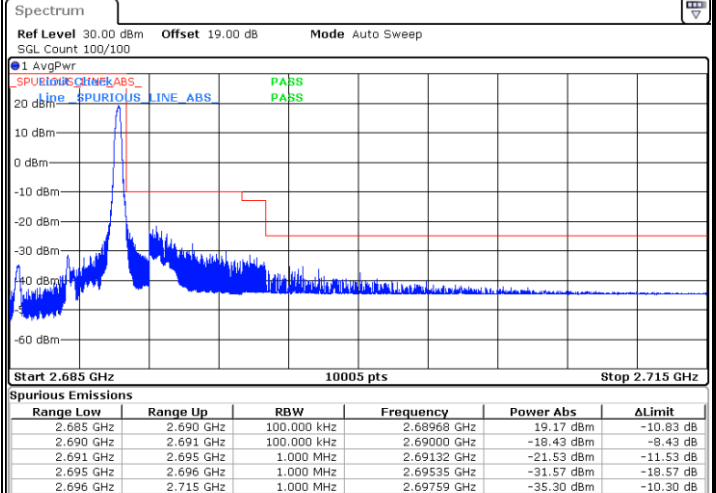
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



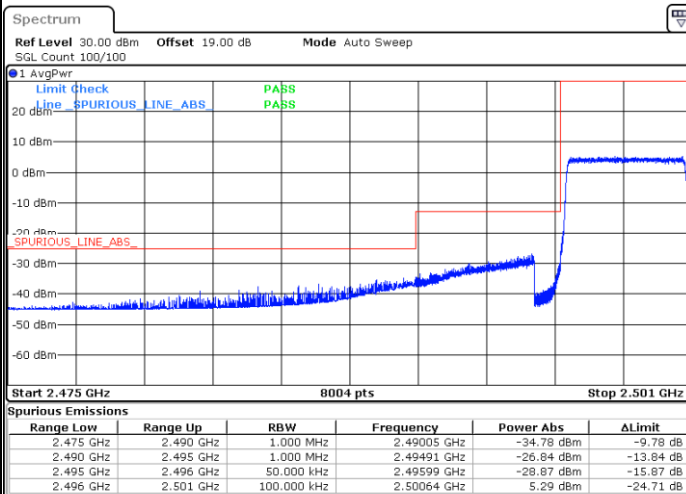
Date: 22 AUG 2024 03:45:34

Highest Band Edge / 1 RB



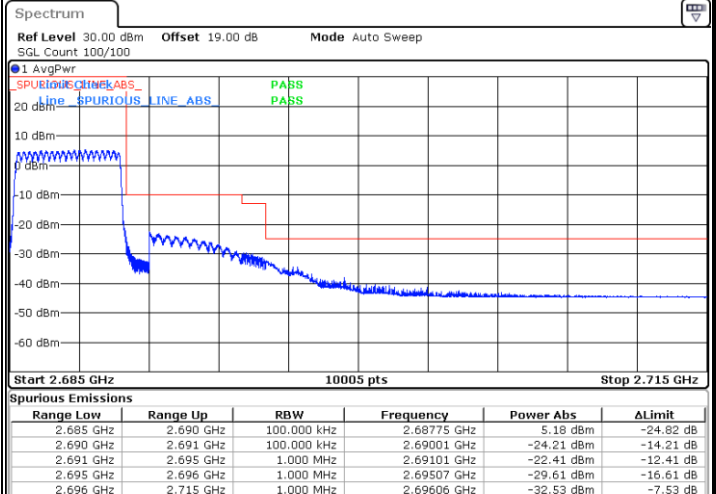
Date: 22 AUG 2024 04:57:39

Lowest Band Edge / Full RB



Date: 22 AUG 2024 03:46:29

Highest Band Edge / Full RB

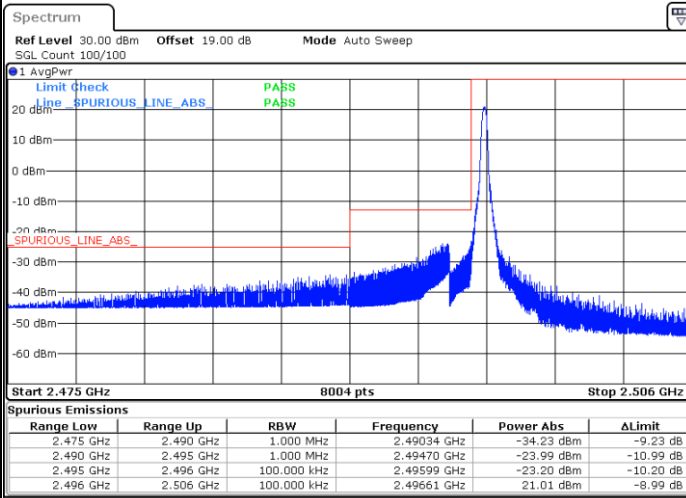


Date: 22 AUG 2024 04:58:59

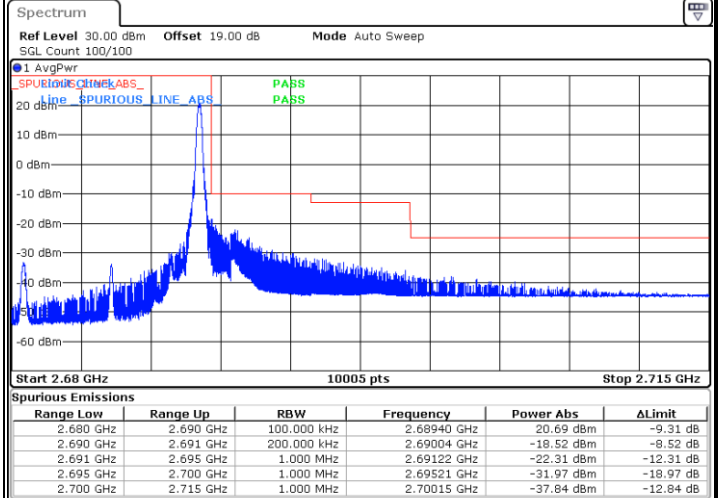


LTE Band 41 / 10MHz / QPSK

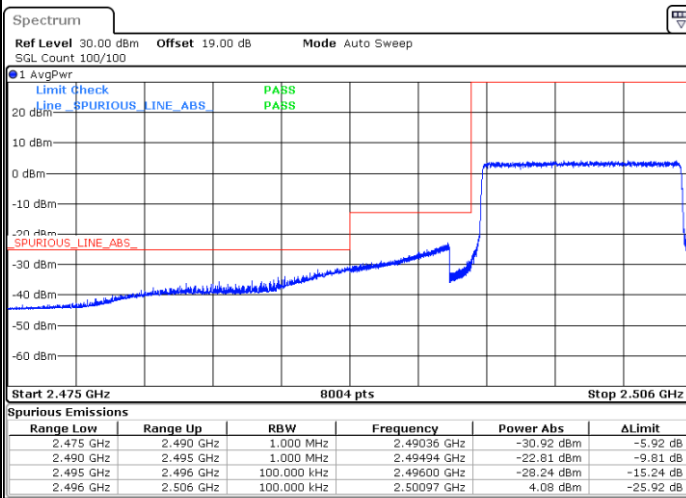
Lowest Band Edge / 1 RB



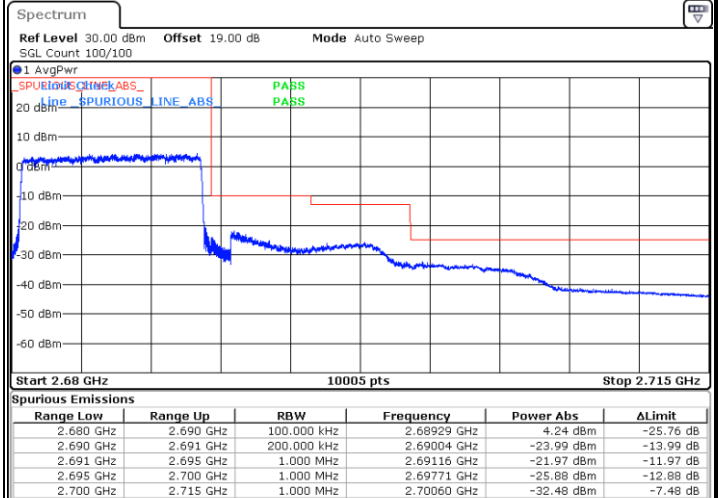
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



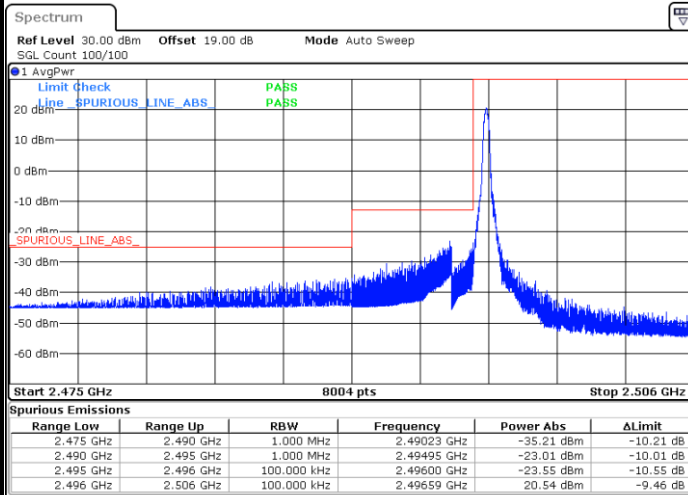
Highest Band Edge / Full RB





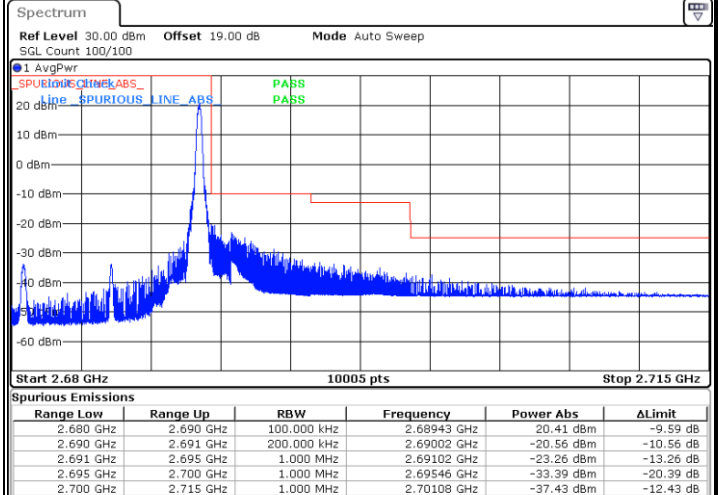
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB



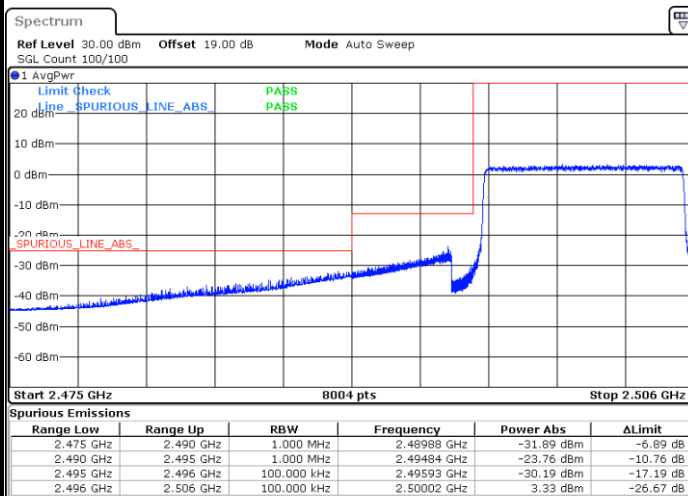
Date: 22 AUG 2024 04:02:03

Highest Band Edge / 1 RB



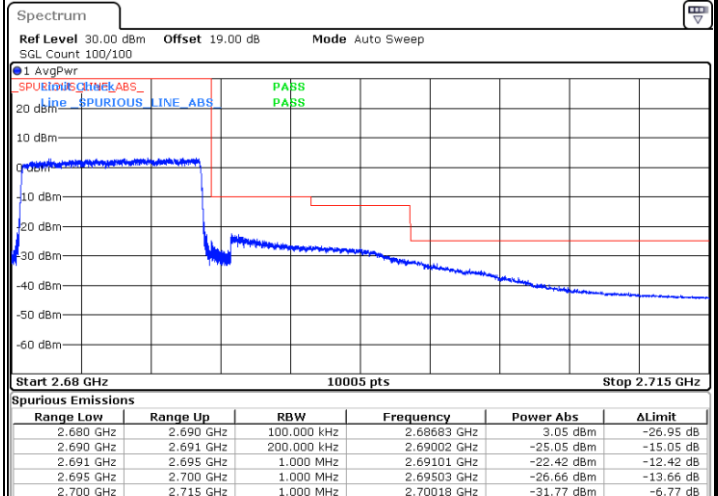
Date: 22 AUG 2024 04:11:25

Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:04:47

Highest Band Edge / Full RB

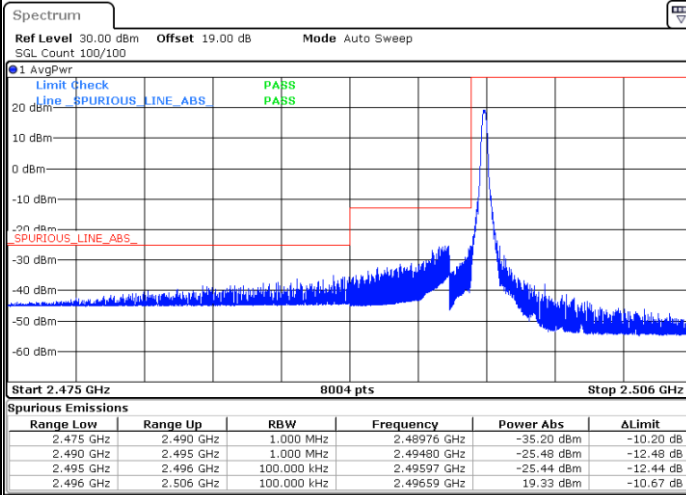


Date: 22 AUG 2024 04:14:08



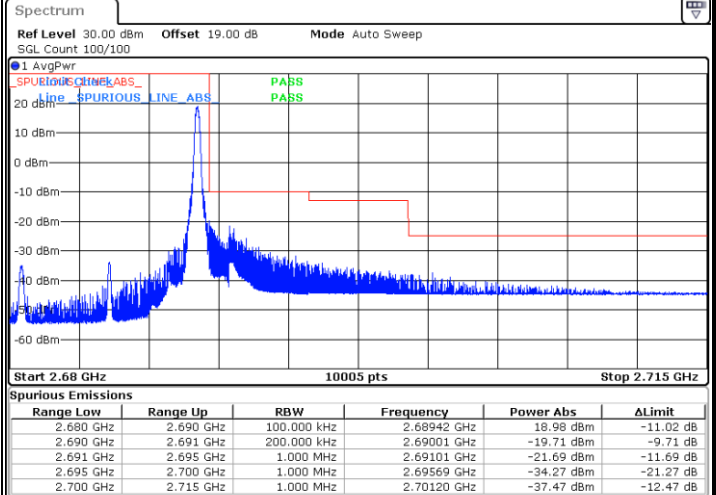
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB



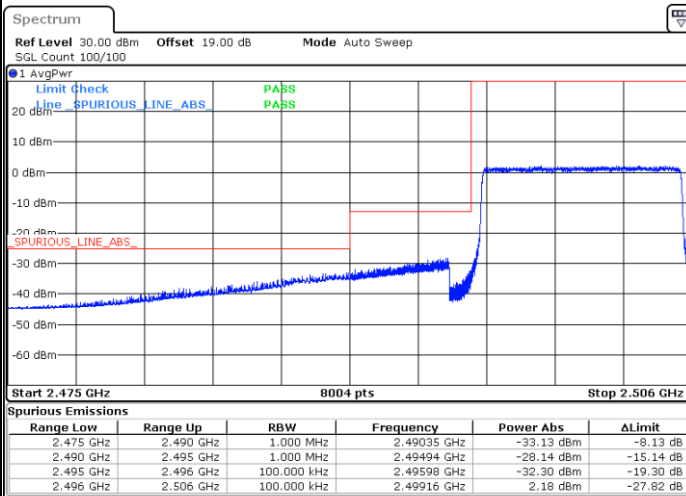
Date: 22 AUG 2024 04:02:57

Highest Band Edge / 1 RB



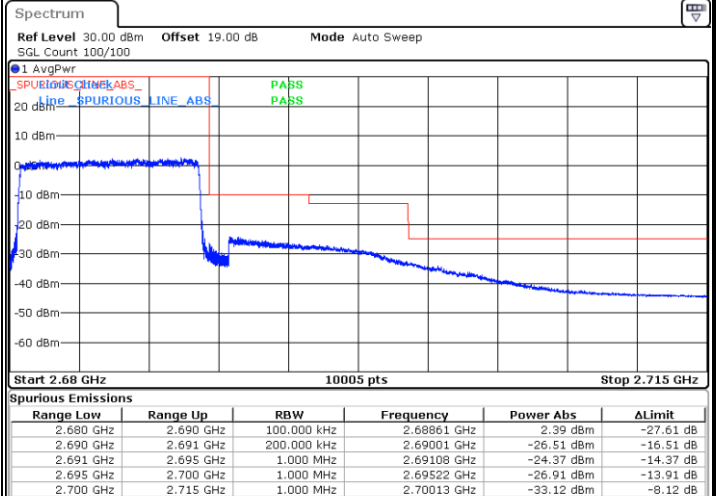
Date: 22 AUG 2024 04:12:19

Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:03:52

Highest Band Edge / Full RB

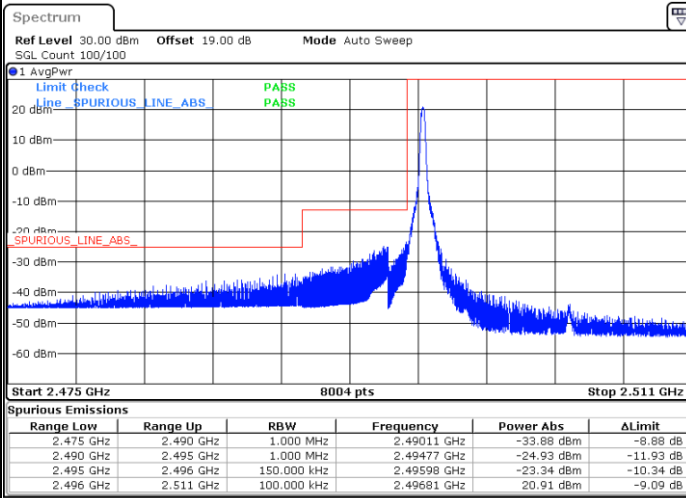


Date: 22 AUG 2024 04:13:13

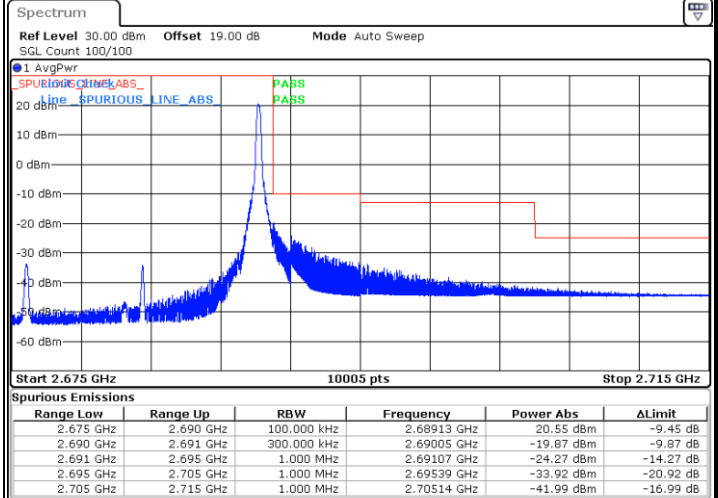


LTE Band 41 / 15MHz / QPSK

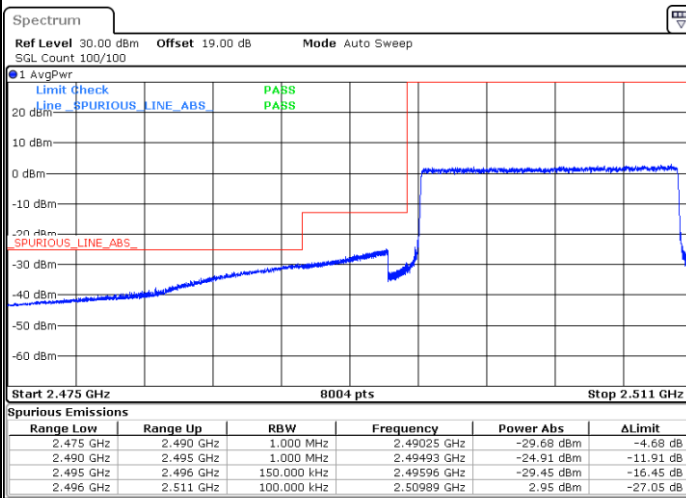
Lowest Band Edge / 1 RB



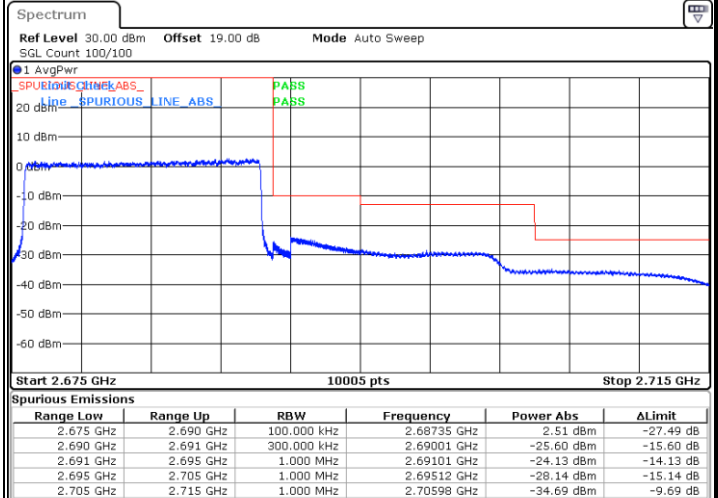
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



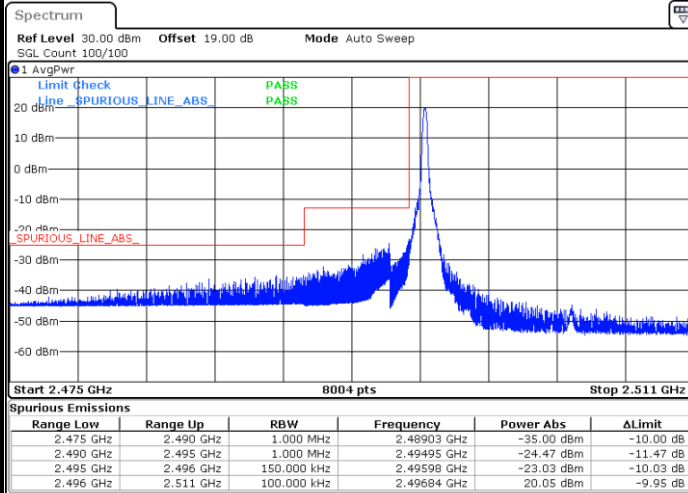
Highest Band Edge / Full RB





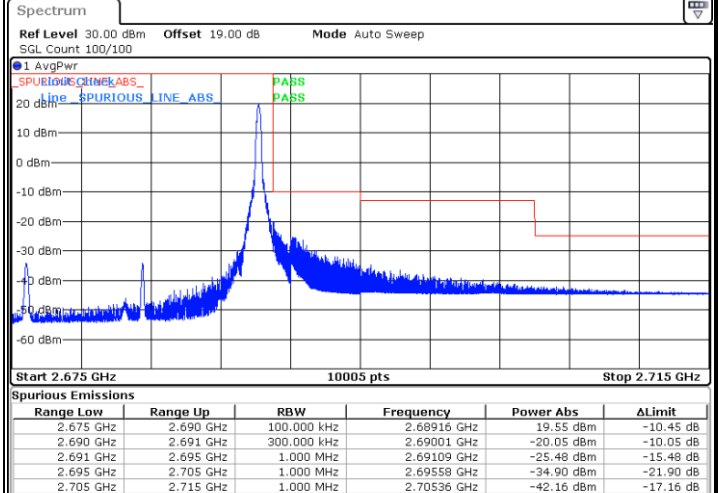
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB



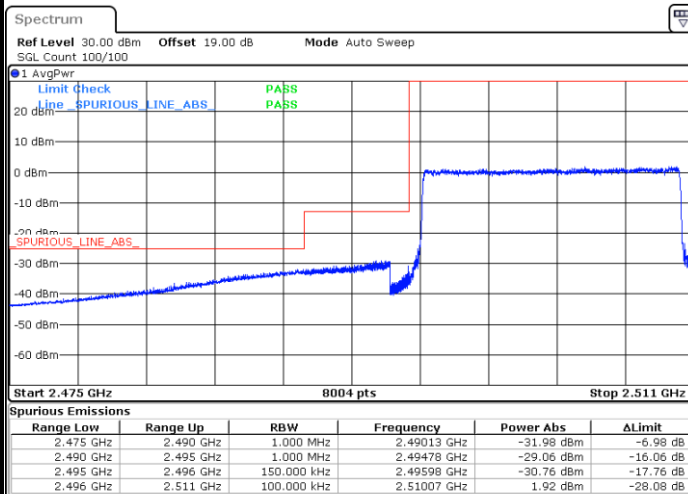
Date: 22 AUG 2024 04:18:09

Highest Band Edge / 1 RB



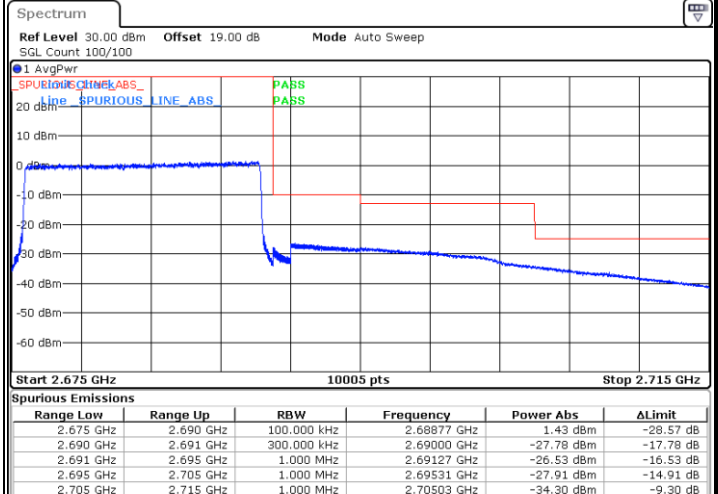
Date: 22 AUG 2024 04:27:34

Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:20:53

Highest Band Edge / Full RB

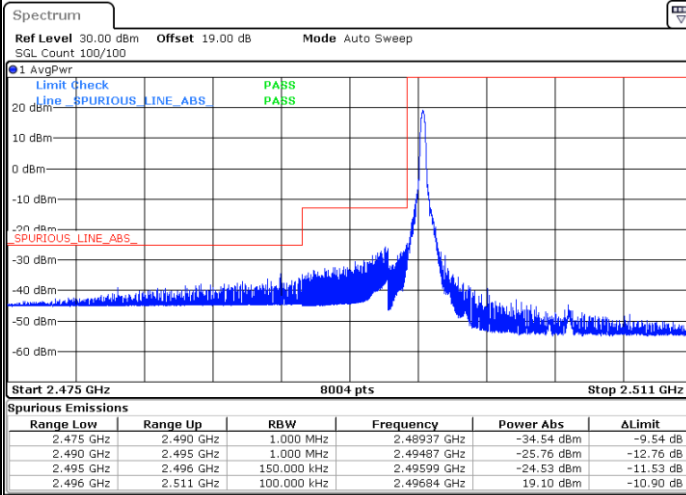


Date: 22 AUG 2024 04:30:25



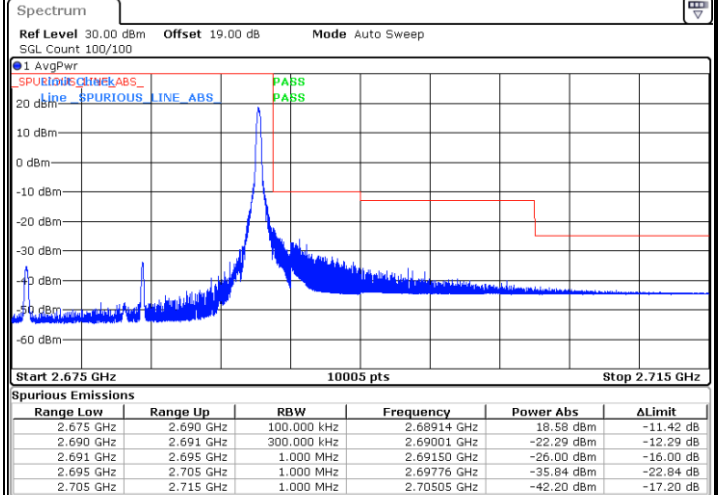
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB



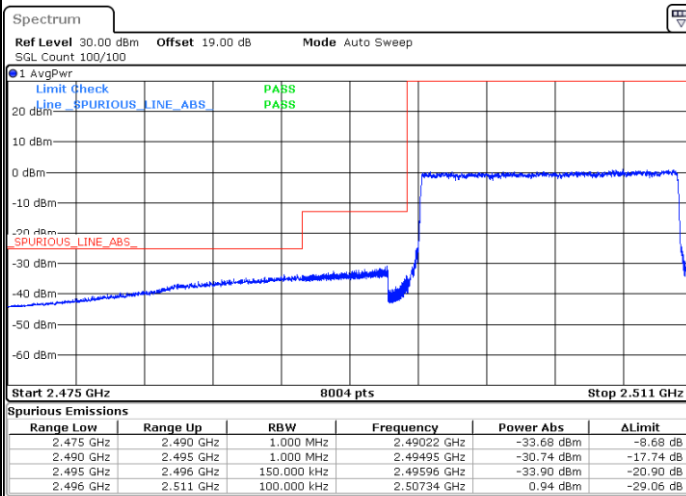
Date: 22 AUG 2024 04:19:04

Highest Band Edge / 1 RB



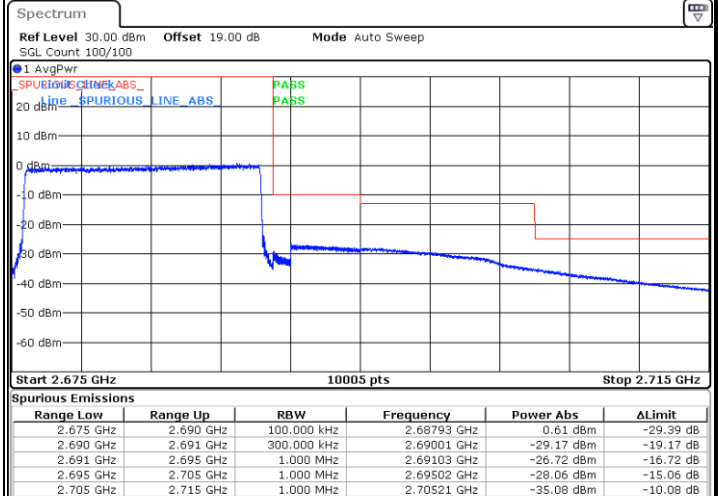
Date: 22 AUG 2024 04:28:31

Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:19:58

Highest Band Edge / Full RB

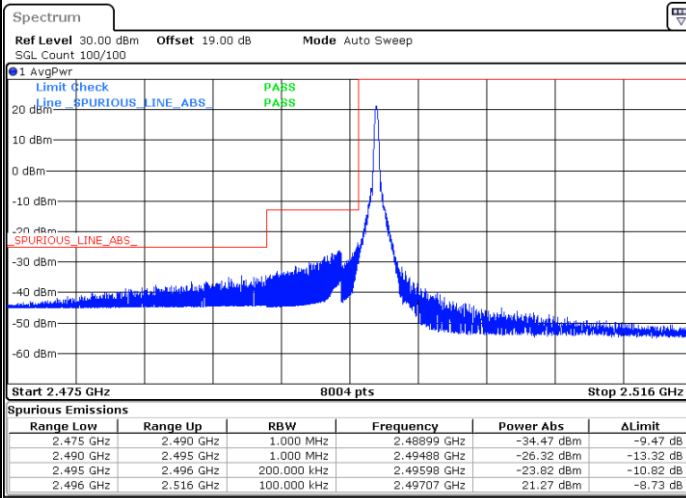


Date: 22 AUG 2024 04:29:28



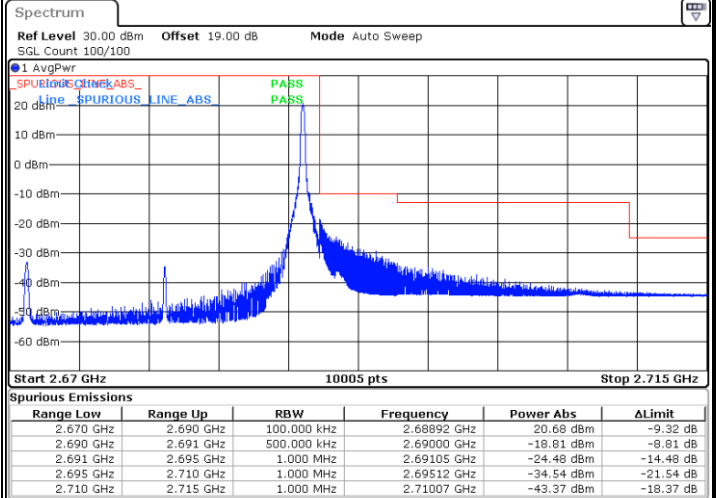
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



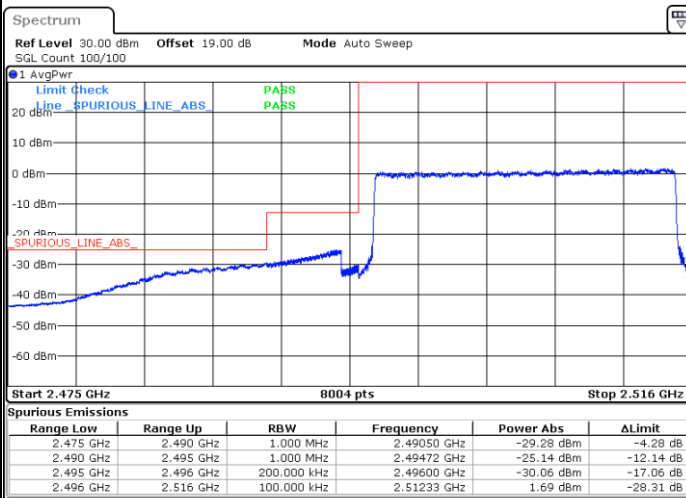
Date: 22 AUG 2024 04:33:35

Highest Band Edge / 1 RB



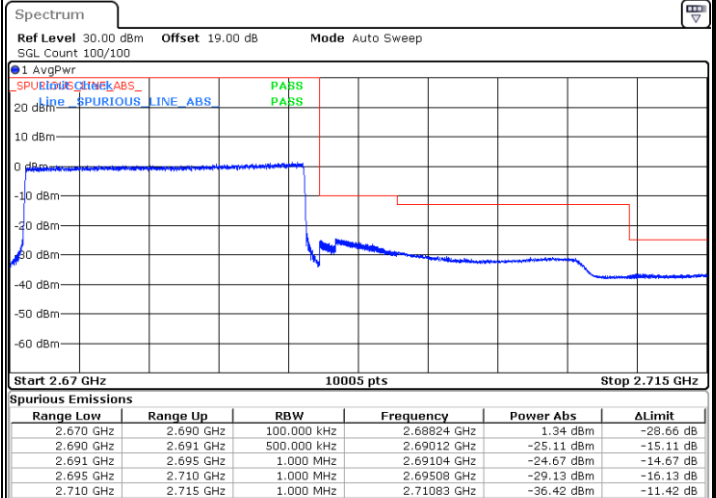
Date: 22 AUG 2024 04:44:32

Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:38:08

Highest Band Edge / Full RB

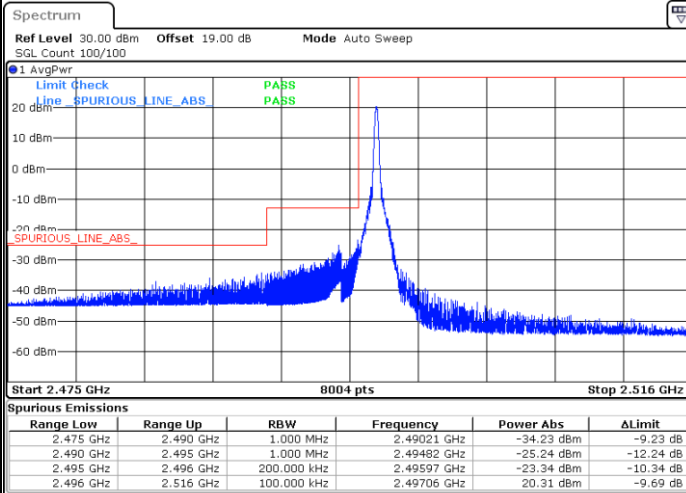


Date: 22 AUG 2024 04:49:19



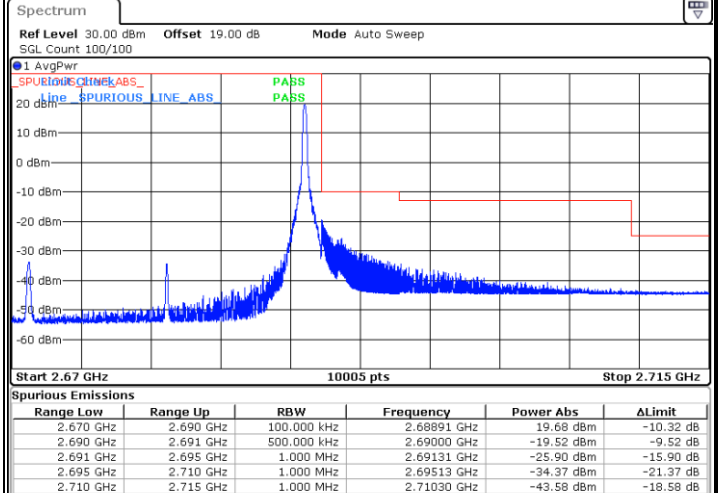
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB



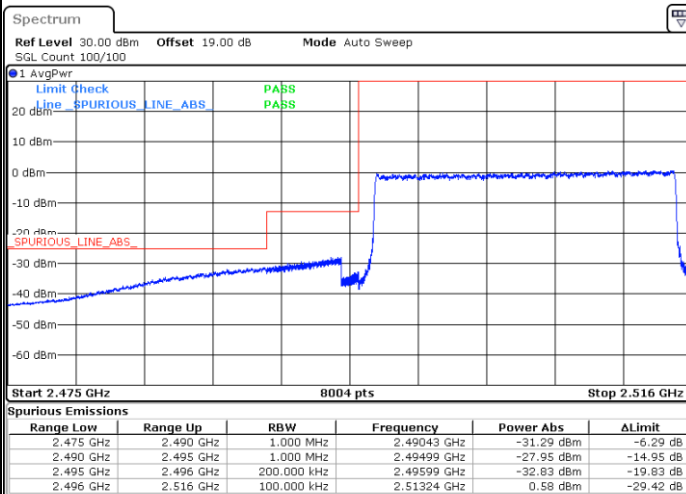
Date: 22 AUG 2024 04:34:29

Highest Band Edge / 1 RB



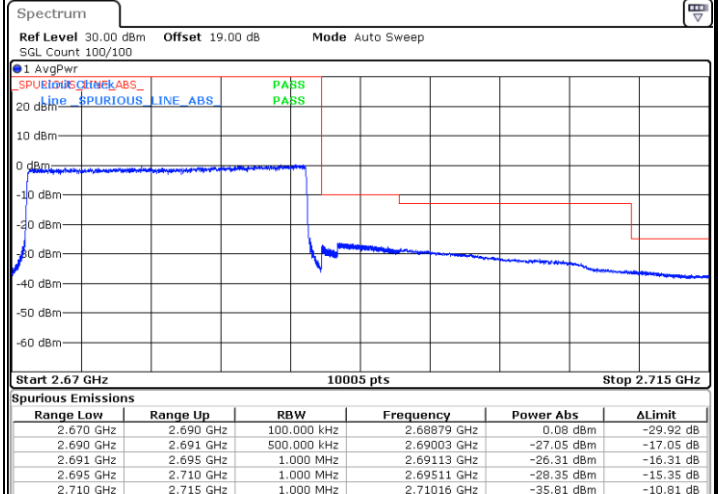
Date: 22 AUG 2024 04:45:29

Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:37:13

Highest Band Edge / Full RB

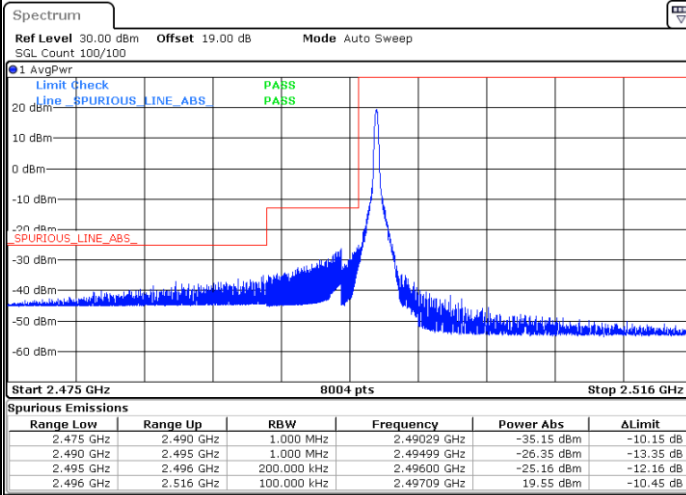


Date: 22 AUG 2024 04:48:21



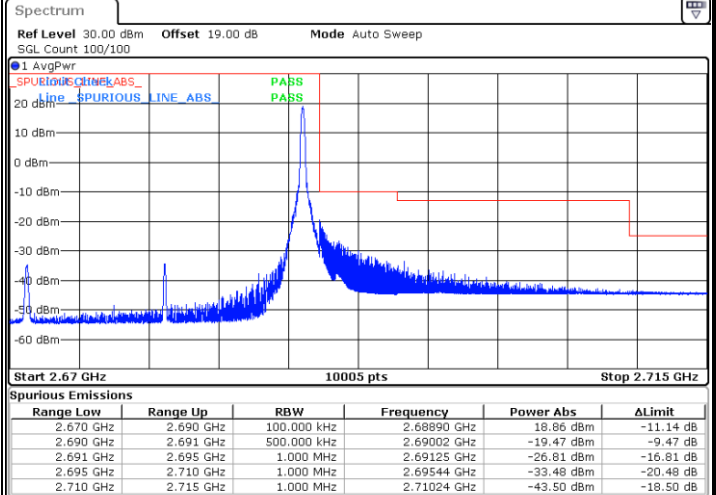
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB



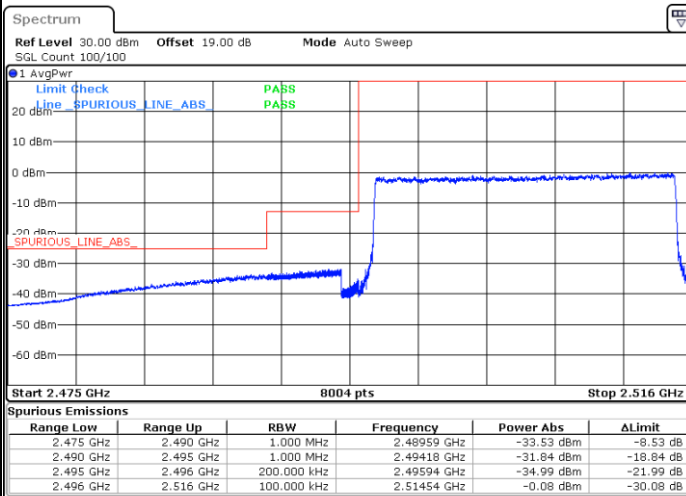
Date: 22 AUG 2024 04:35:24

Highest Band Edge / 1 RB



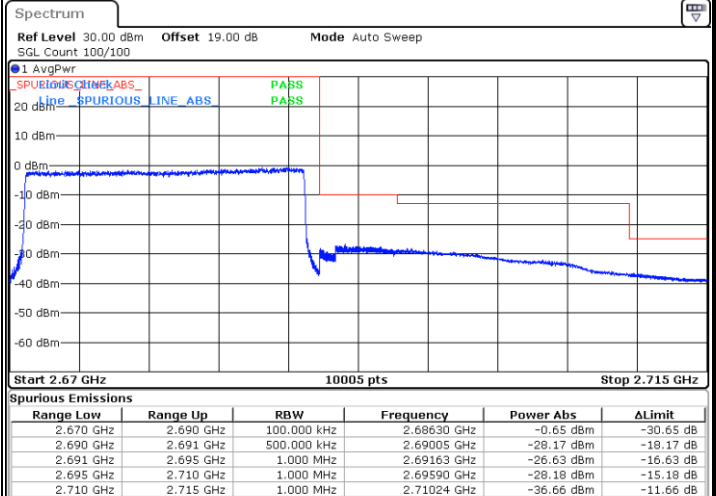
Date: 22 AUG 2024 04:46:26

Lowest Band Edge / Full RB



Date: 22 AUG 2024 04:38:19

Highest Band Edge / Full RB



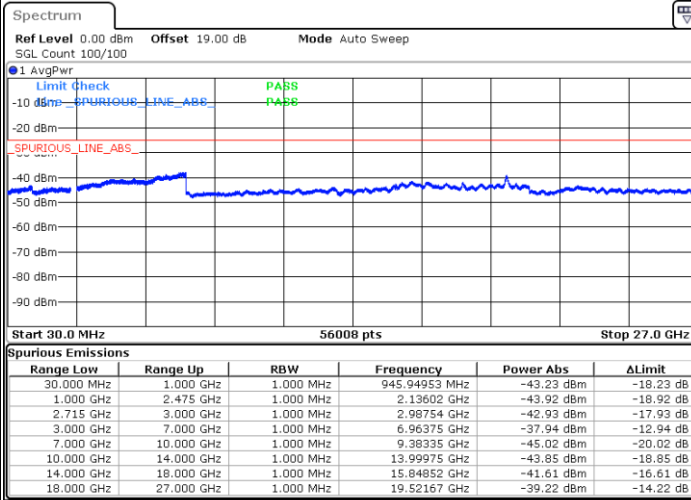
Date: 22 AUG 2024 04:47:24



Conducted Spurious Emission

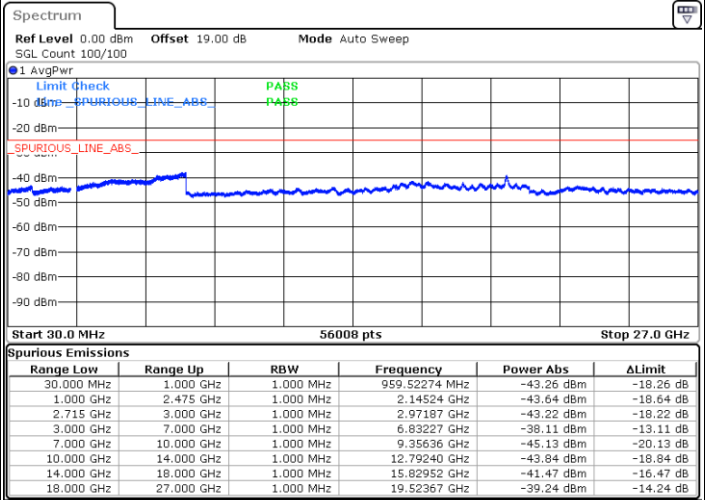
LTE Band 41 / 5MHz

Lowest Channel / QPSK



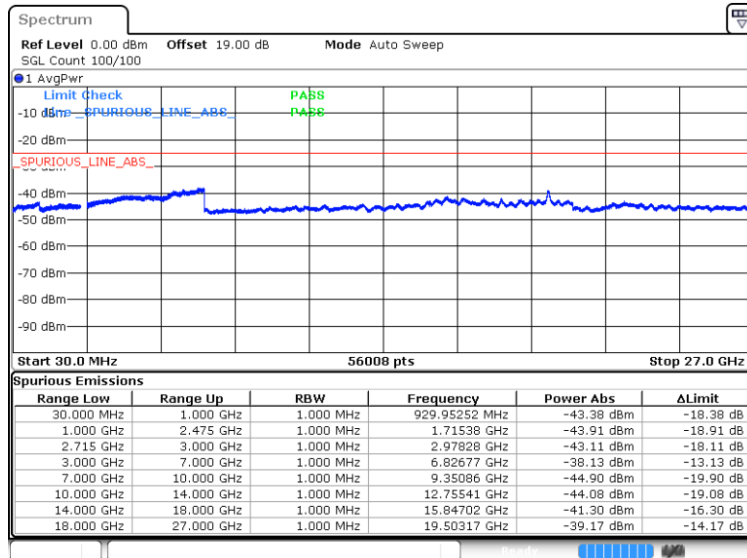
Date: 22 AUG 2024 03:49:33

Middle Channel / QPSK



Date: 22 AUG 2024 03:50:46

Highest Channel / QPSK

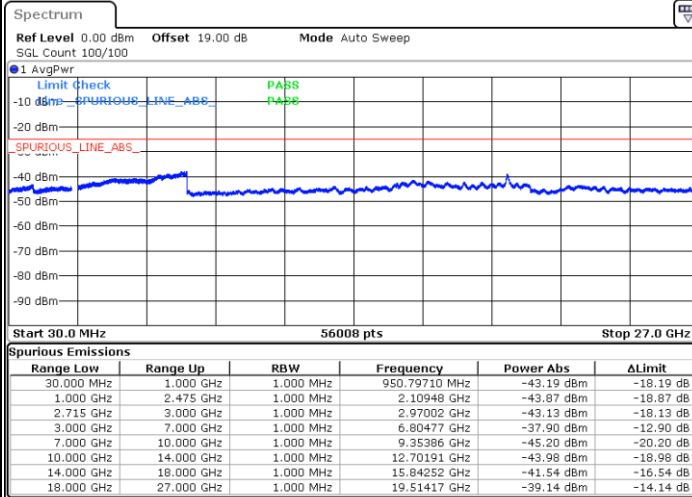


Date: 22 AUG 2024 04:00:06



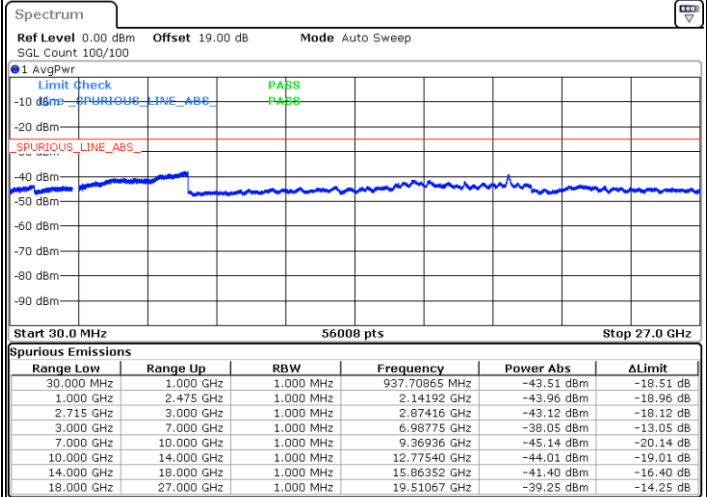
LTE Band 41 / 10MHz

Lowest Channel / QPSK



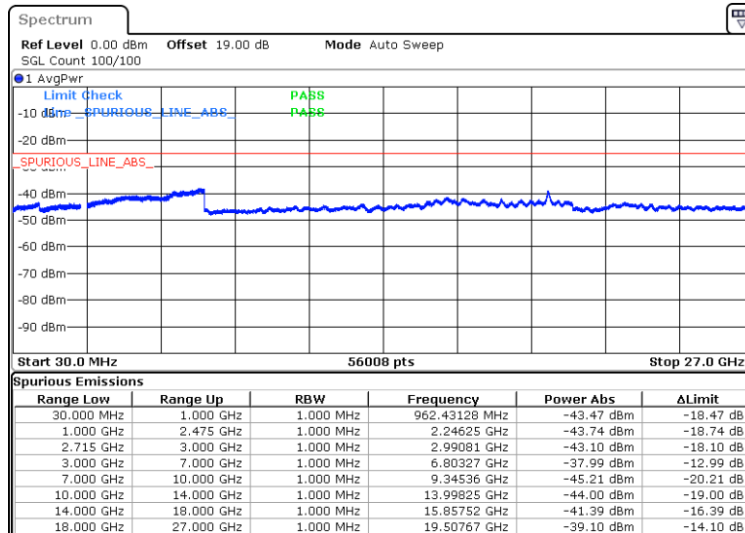
Date: 22 AUG 2024 04:06:58

Middle Channel / QPSK



Date: 22 AUG 2024 04:08:11

Highest Channel / QPSK

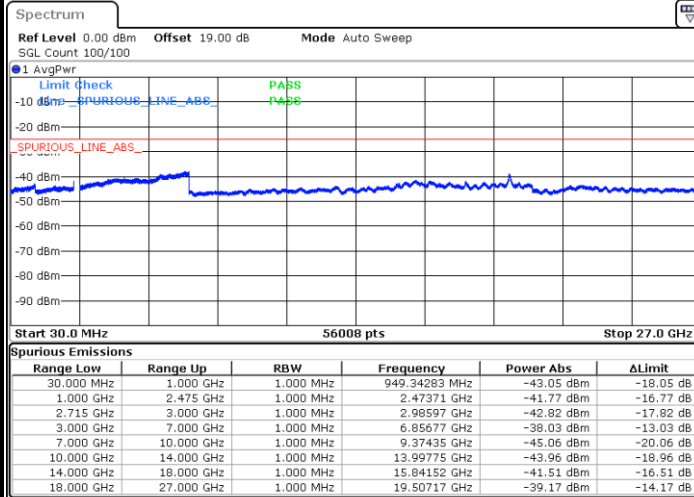


Date: 22 AUG 2024 04:16:16



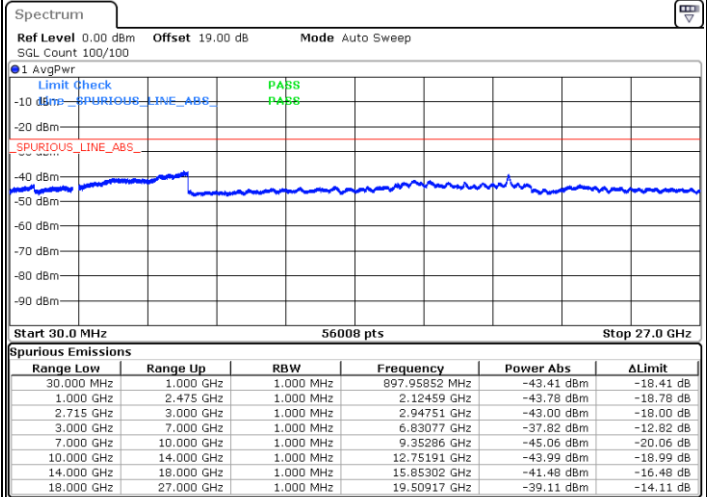
LTE Band 41 / 15MHz

Lowest Channel / QPSK



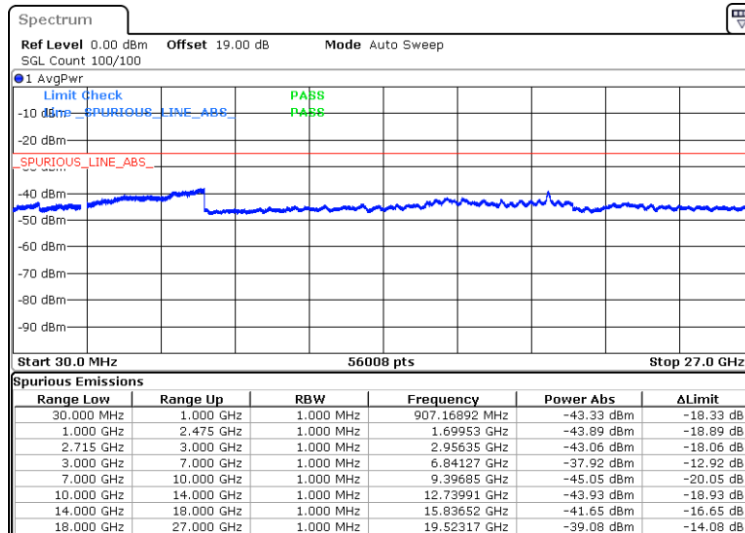
Date: 22 AUG 2024 04:23:01

Middle Channel / QPSK



Date: 22 AUG 2024 04:24:15

Highest Channel / QPSK

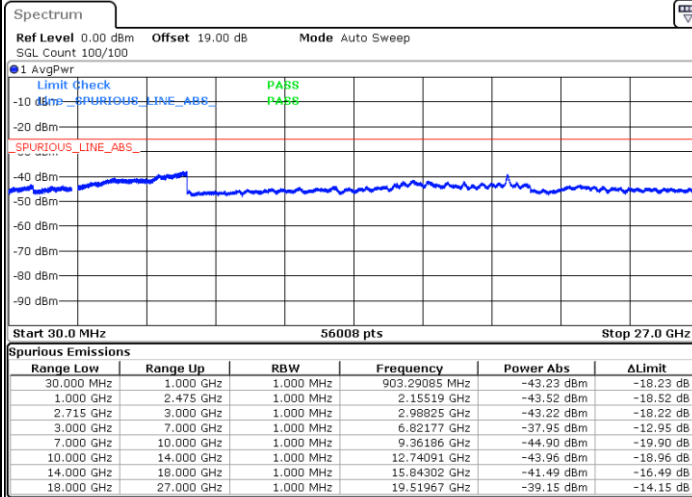


Date: 22 AUG 2024 04:32:36



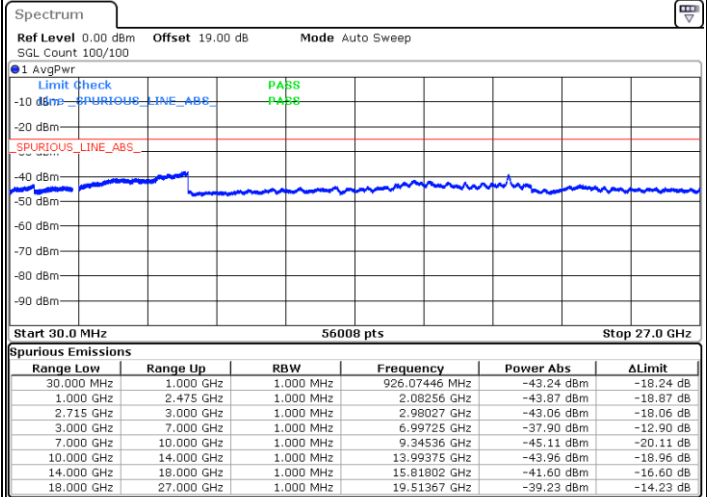
LTE Band 41 / 20MHz

Lowest Channel / QPSK



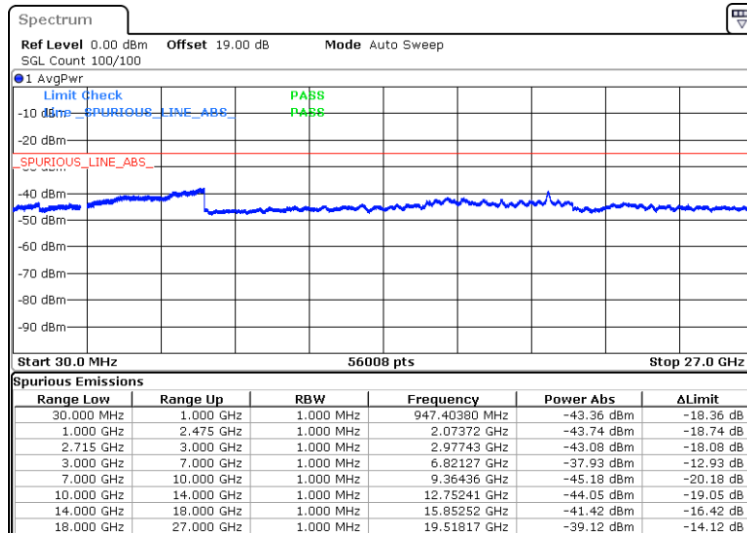
Date: 22 AUG 2024 04:39:21

Middle Channel / QPSK



Date: 22 AUG 2024 04:40:34

Highest Channel / QPSK



Date: 22 AUG 2024 04:50:32

**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	0.0002	PASS
40	Normal Voltage	0.0059	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0045	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.8 V.; Battery End Point = 3.5 V.; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Wenbo Xiao	Temperature :	22~25℃
		Relative Humidity :	48~52%

LTE Band 7 / 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	5052.18	-60.71	-25	-35.71	-79.37	-66.27	7.14	12.70	H
	7578.27	-55.77	-25	-30.77	-79.49	-59.07	8.30	11.60	H
	10104.36	-52.08	-25	-27.08	-80.07	-53.60	10.48	12.00	H
	5052.18	-60.67	-25	-35.67	-79.22	-66.23	7.14	12.70	V
	7578.27	-55.28	-25	-30.28	-79.48	-58.58	8.30	11.60	V
	10104.36	-53.21	-25	-28.21	-79.86	-54.73	10.48	12.00	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	-57.56	-25	-32.56	-76.34	-63.12	7.14	12.70	H
	7752.00	-56.19	-25	-31.19	-79.52	-59.49	8.30	11.60	H
	10336.00	-52.43	-25	-27.43	-80.40	-53.95	10.48	12.00	H
	5168.00	-61.53	-25	-36.53	-79.99	-67.09	7.14	12.70	V
	7752.00	-55.69	-25	-30.69	-79.66	-58.99	8.30	11.60	V
	10336.00	-53.62	-25	-28.62	-80.59	-55.14	10.48	12.00	V

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