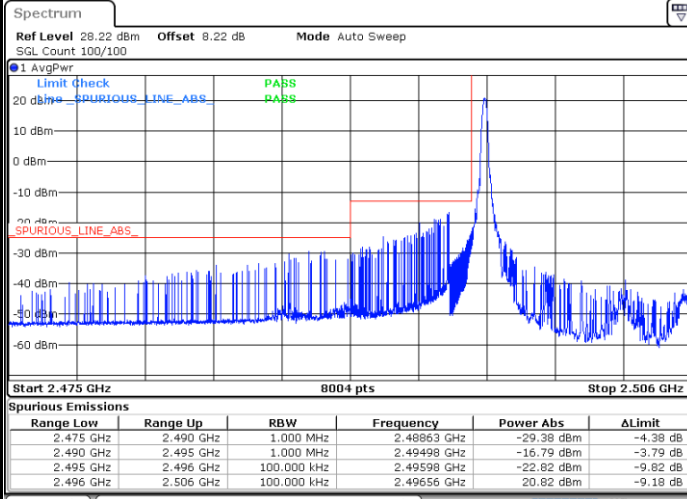




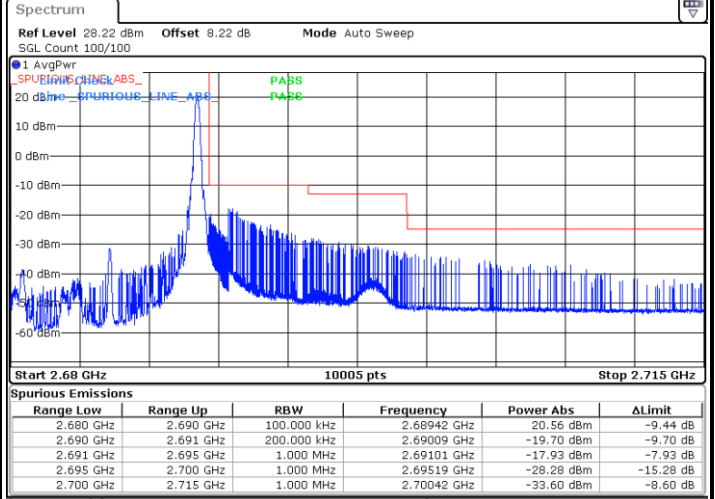
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



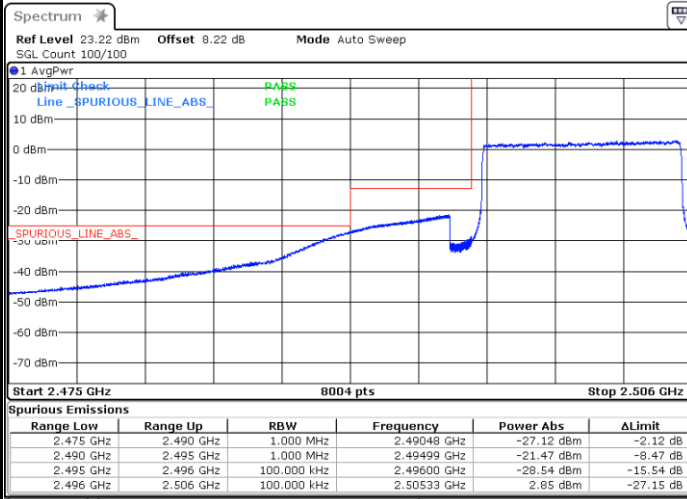
Date: 23.FEB.2023 02:10:26

Highest Band Edge / 1 RB



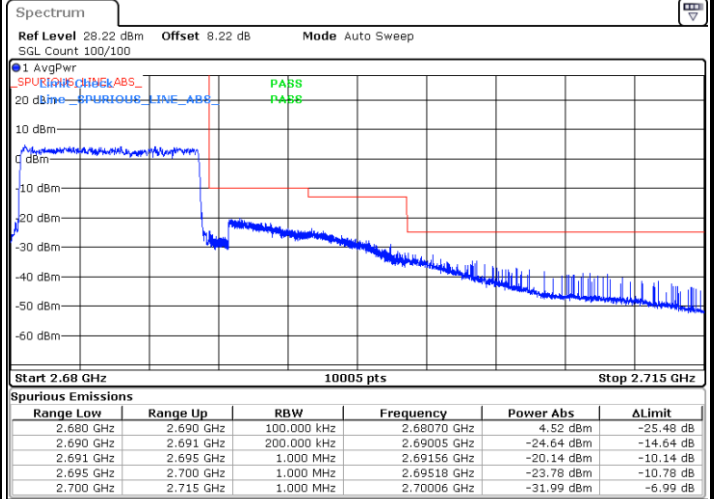
Date: 23.FEB.2023 02:21:10

Lowest Band Edge / Full RB



Date: 23.FEB.2023 03:52:07

Highest Band Edge / Full RB

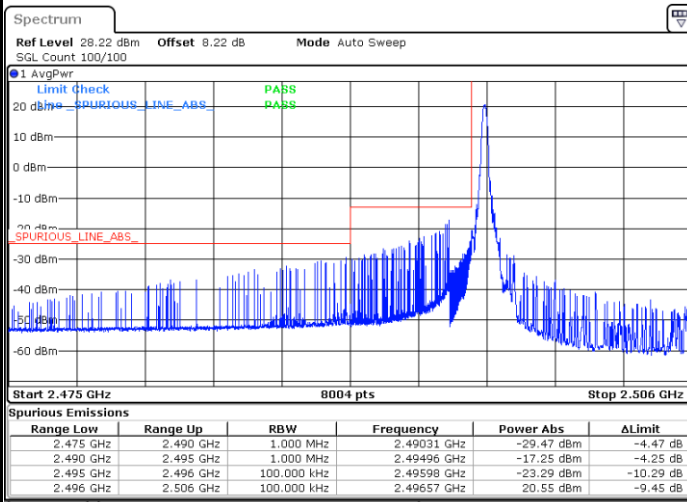


Date: 23.FEB.2023 02:28:12



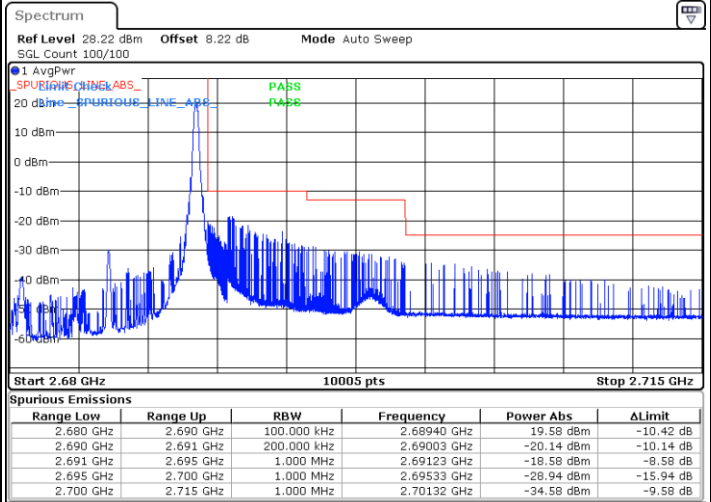
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



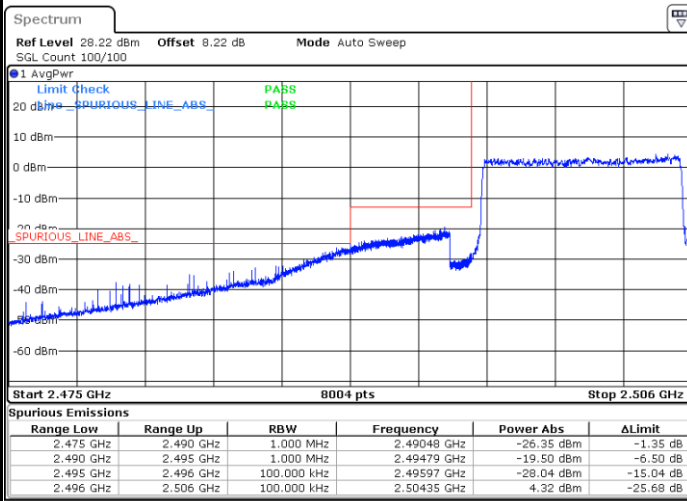
Date: 23 FEB 2023 02:11:17

Highest Band Edge / 1 RB



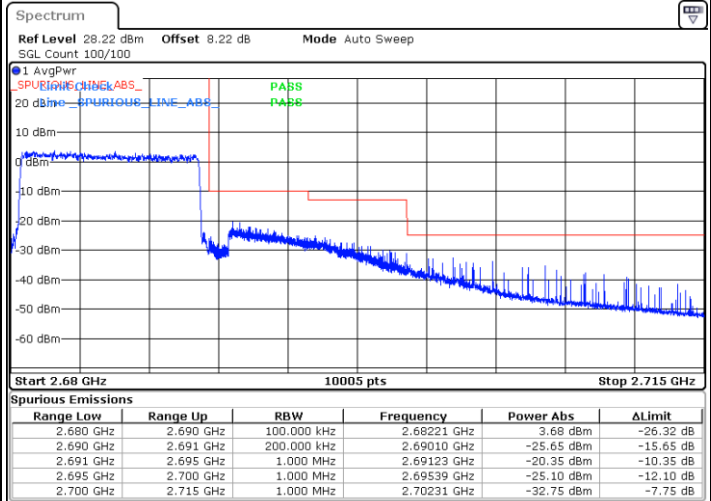
Date: 23 FEB 2023 02:22:01

Lowest Band Edge / Full RB



Date: 23 FEB 2023 03:39:04

Highest Band Edge / Full RB

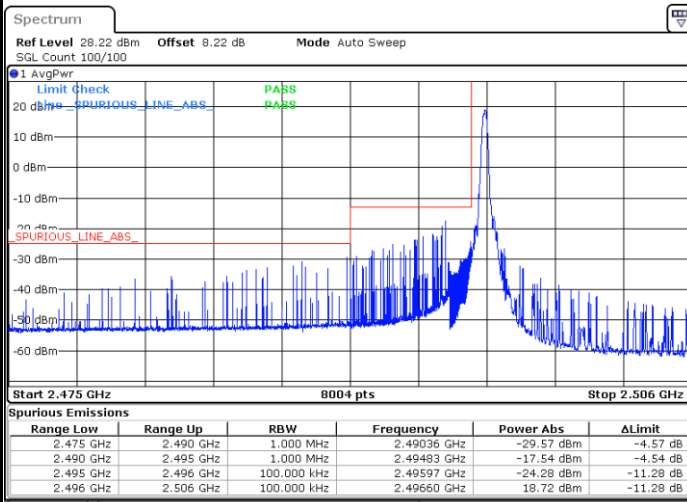


Date: 23 FEB 2023 02:25:23



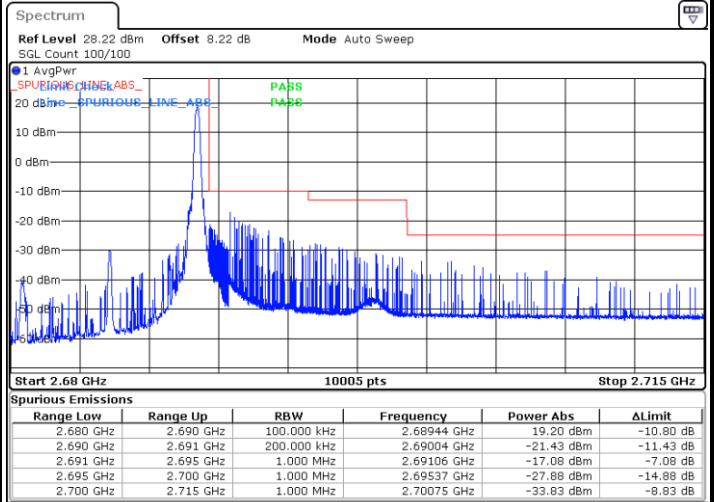
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



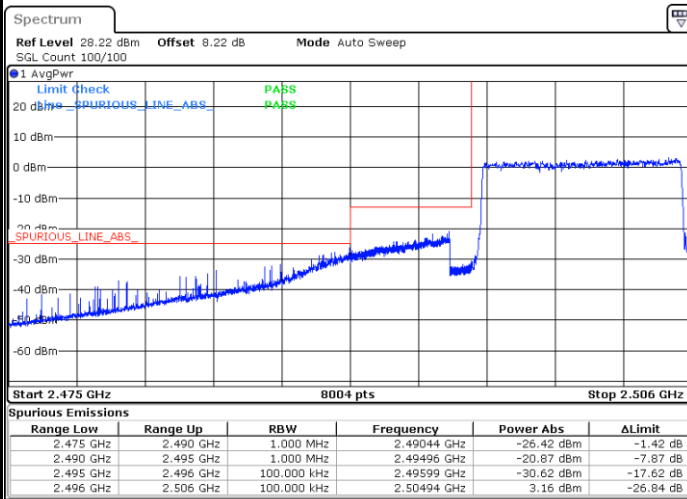
Date: 23.FEB.2023 02:12:07

Highest Band Edge / 1 RB



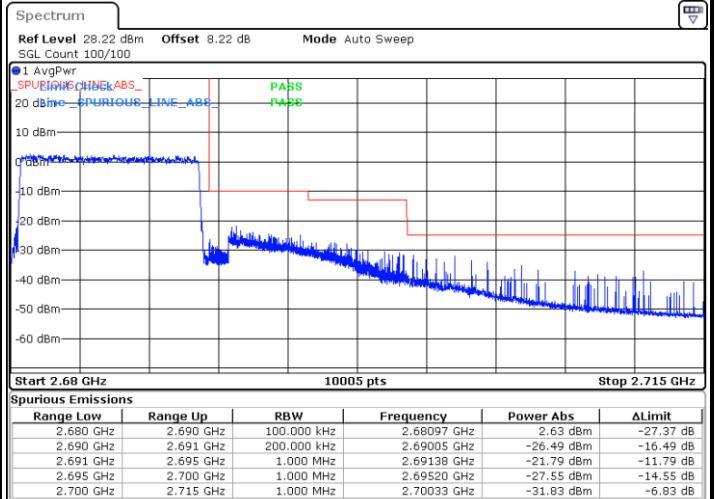
Date: 23.FEB.2023 02:22:51

Lowest Band Edge / Full RB



Date: 23.FEB.2023 02:15:29

Highest Band Edge / Full RB

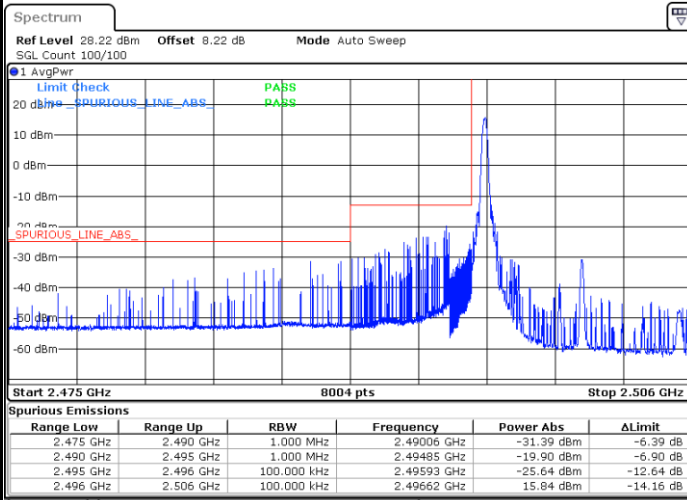


Date: 23.FEB.2023 02:26:31



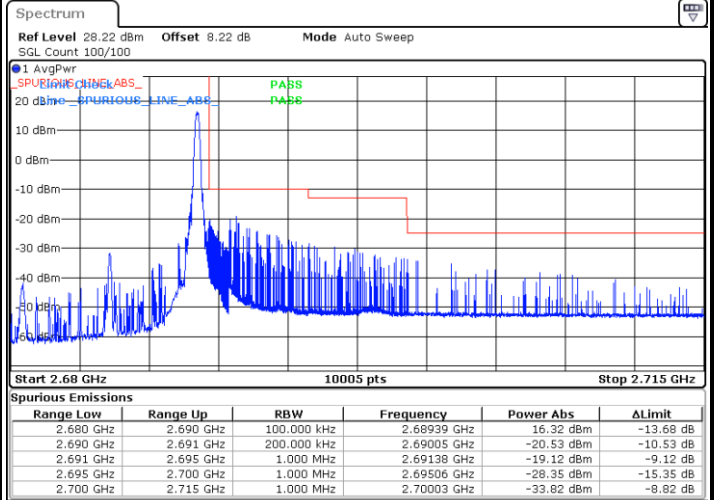
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB



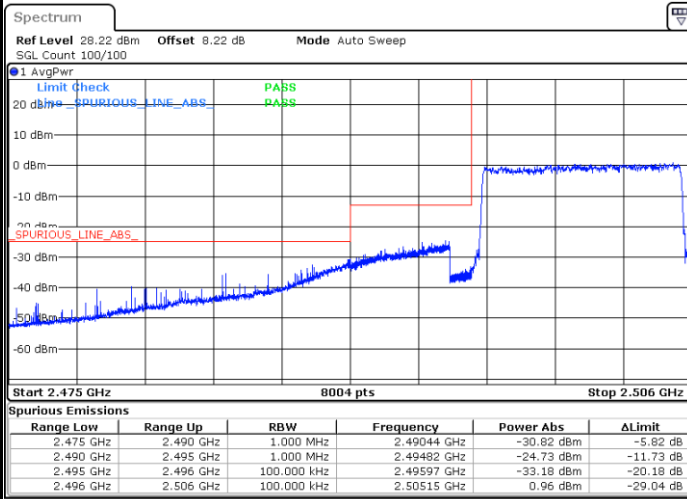
Date: 23.FEB.2023 02:12:57

Highest Band Edge / 1 RB



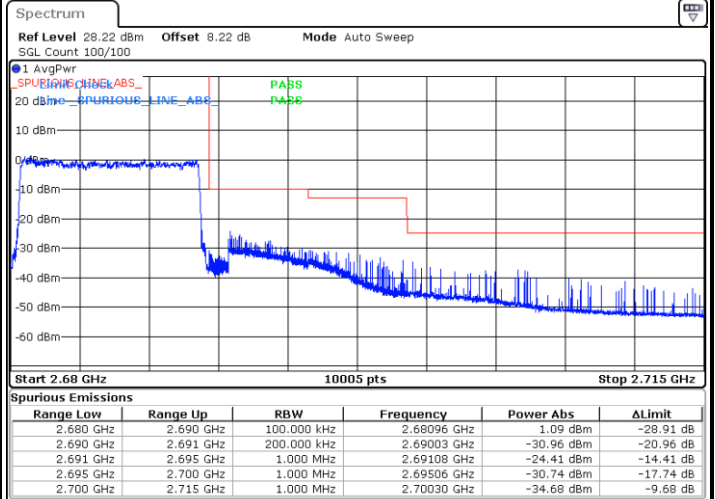
Date: 23.FEB.2023 02:23:41

Lowest Band Edge / Full RB



Date: 23.FEB.2023 02:16:19

Highest Band Edge / Full RB

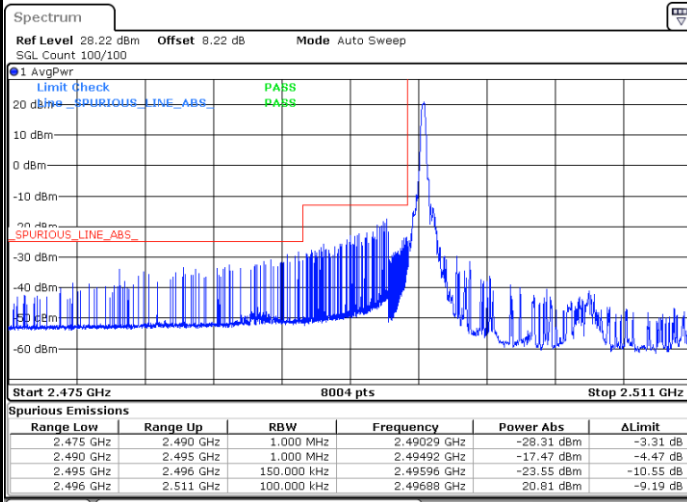


Date: 23.FEB.2023 02:27:21



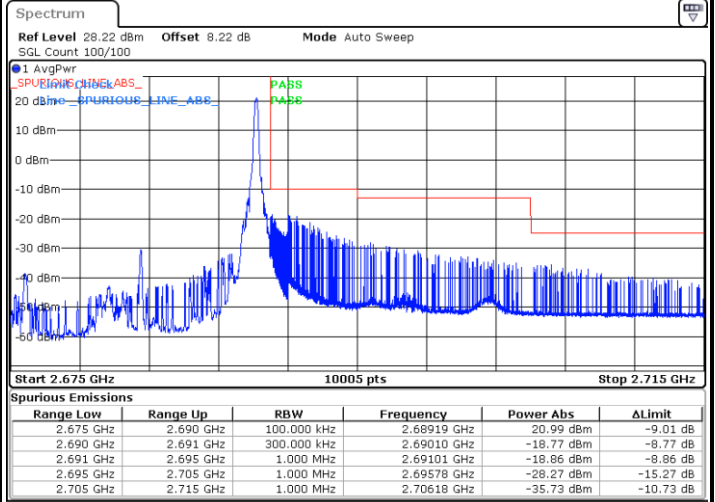
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



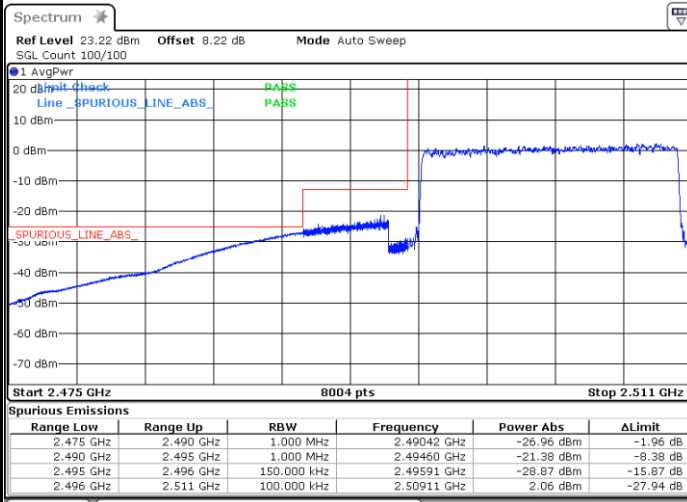
Date: 23.FEB.2023 02:29:02

Highest Band Edge / 1 RB



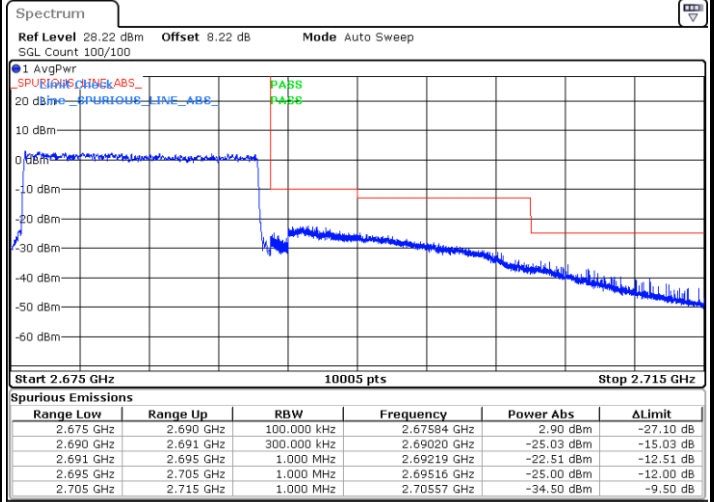
Date: 23.FEB.2023 02:41:45

Lowest Band Edge / Full RB



Date: 23.FEB.2023 03:57:16

Highest Band Edge / Full RB

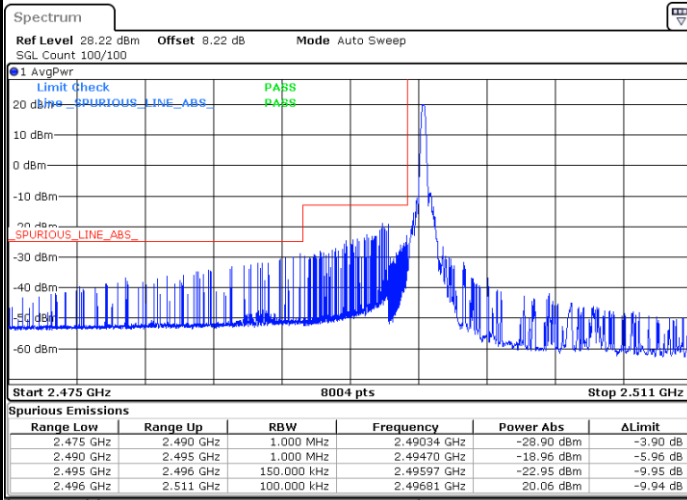


Date: 23.FEB.2023 02:48:32



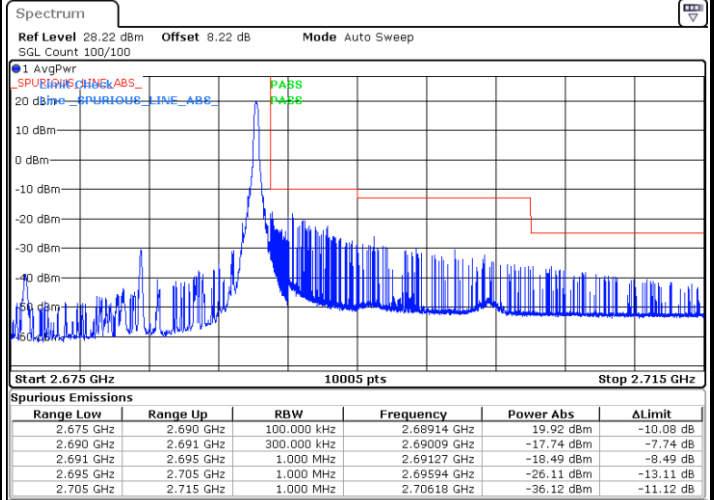
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



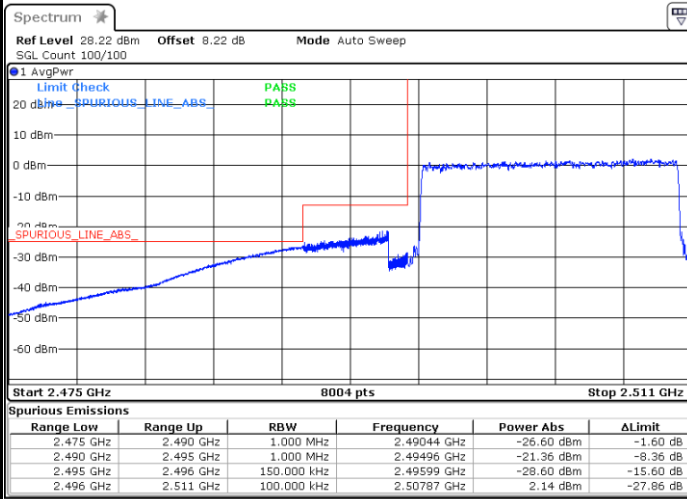
Date: 23 FEB 2023 02:29:53

Highest Band Edge / 1 RB



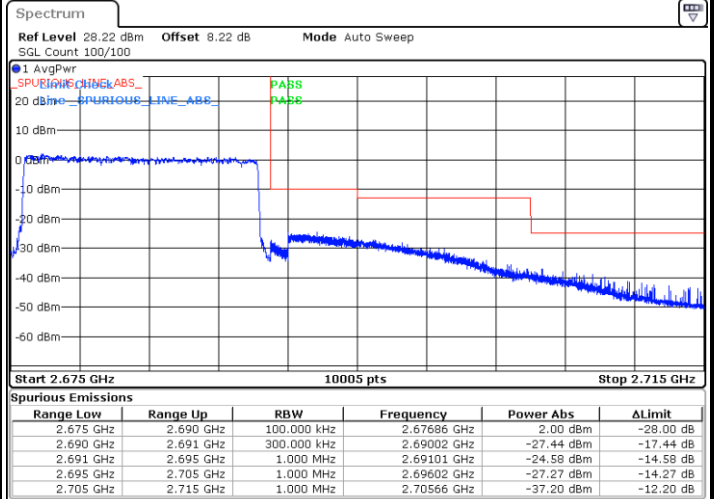
Date: 23 FEB 2023 02:42:35

Lowest Band Edge / Full RB



Date: 23 FEB 2023 03:58:14

Highest Band Edge / Full RB

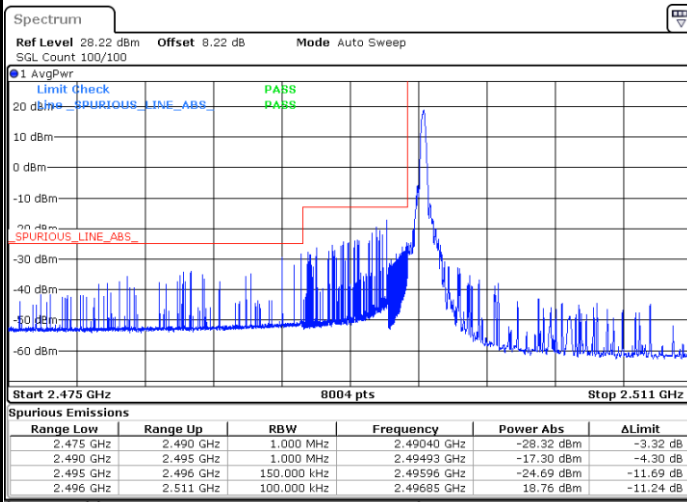


Date: 23 FEB 2023 02:45:58



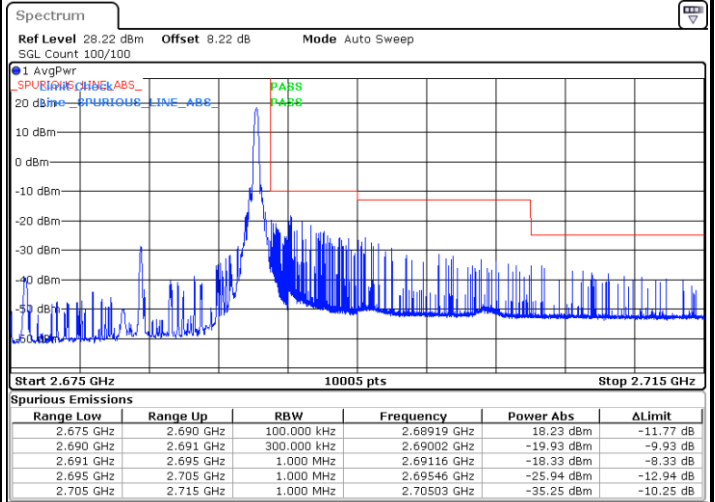
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



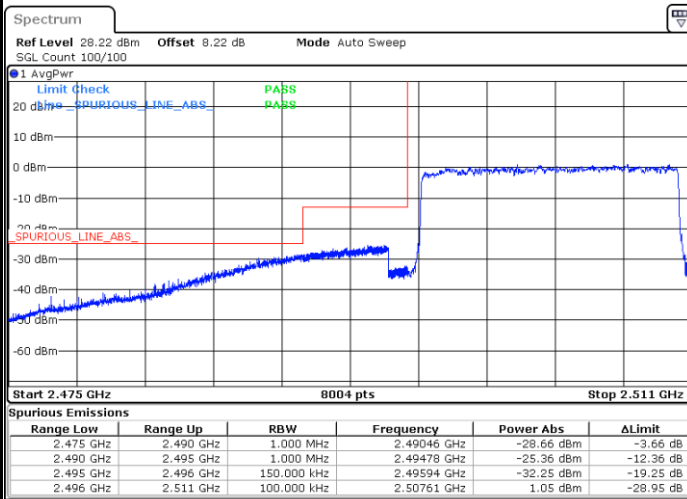
Date: 23.FEB.2023 02:30:43

Highest Band Edge / 1 RB



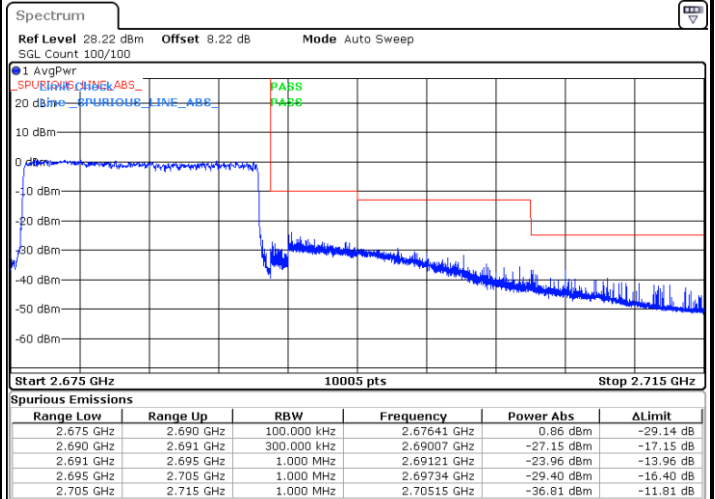
Date: 23.FEB.2023 02:43:26

Lowest Band Edge / Full RB



Date: 23.FEB.2023 02:36:04

Highest Band Edge / Full RB

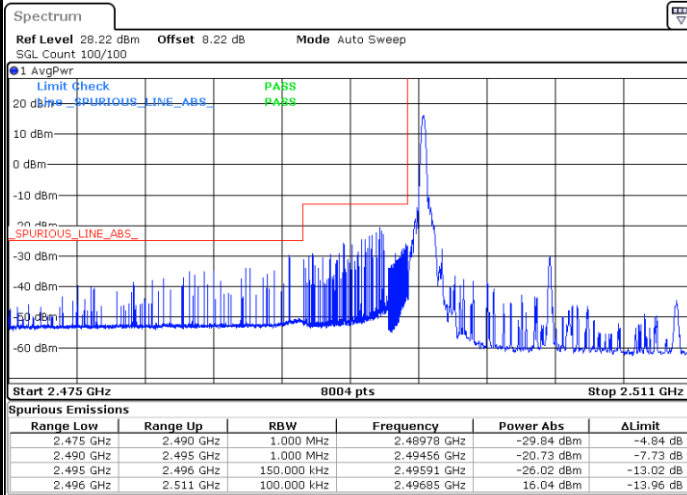


Date: 23.FEB.2023 02:46:48



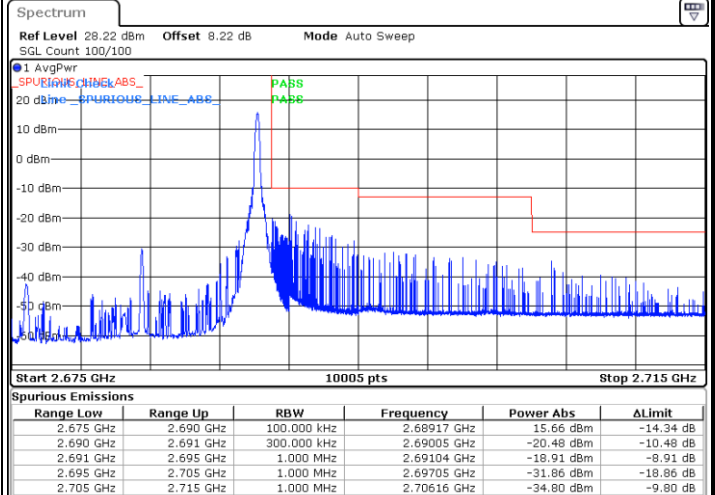
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1RB



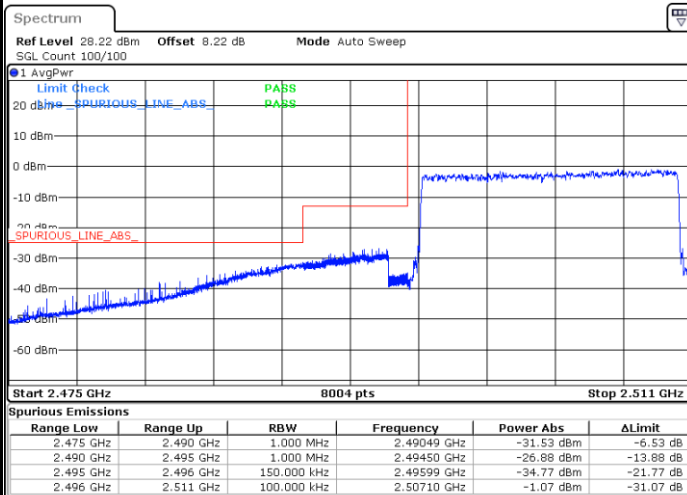
Date: 23.FEB.2023 02:31:34

Highest Band Edge / 1 RB



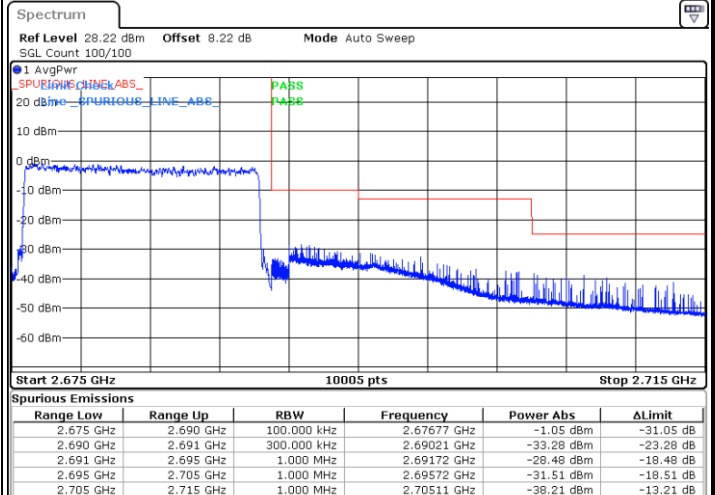
Date: 23.FEB.2023 02:44:17

Lowest Band Edge / Full RB



Date: 23.FEB.2023 02:36:54

Highest Band Edge / Full RB



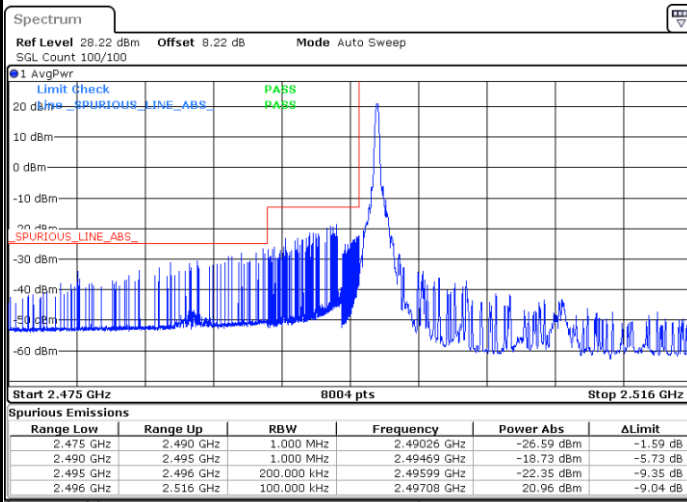
Date: 23.FEB.2023 02:47:39





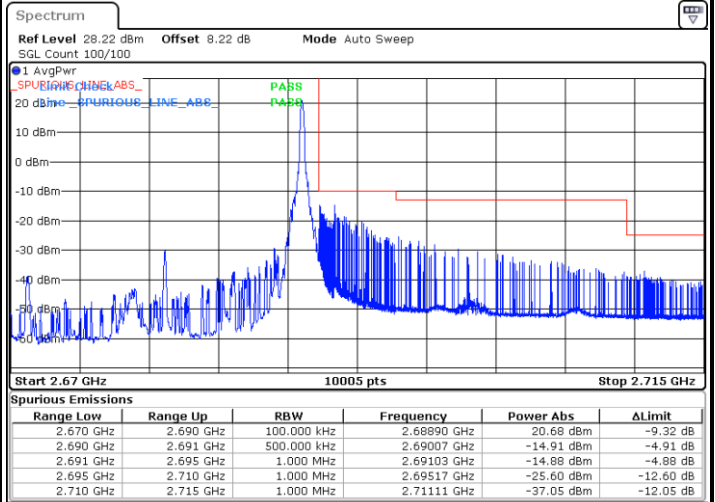
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



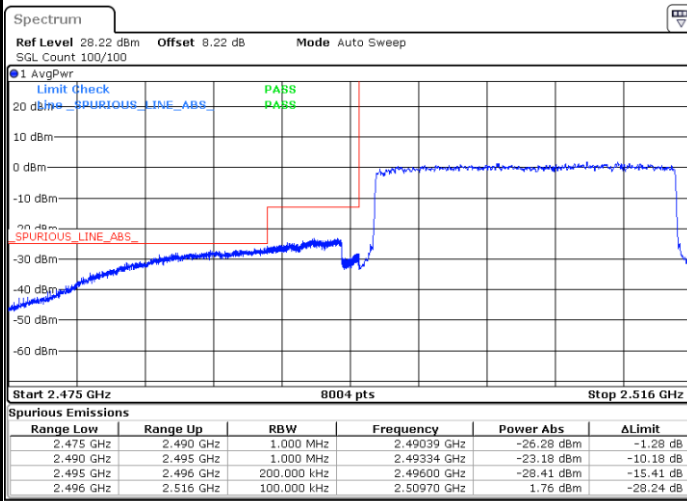
Date: 23.FEB.2023 02:49:23

Highest Band Edge / 1 RB



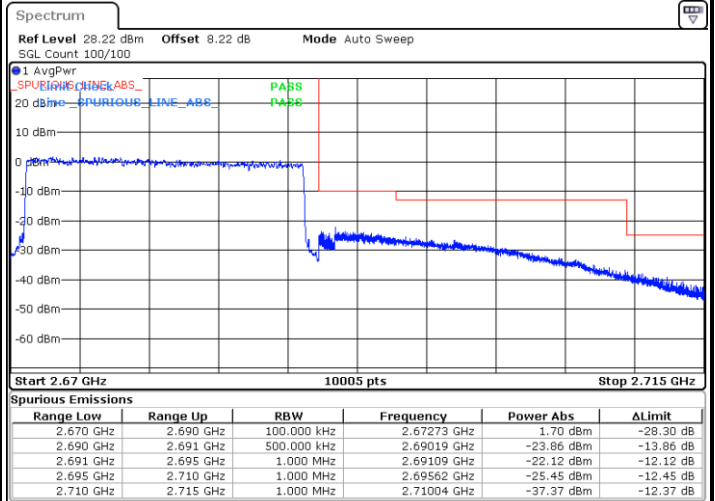
Date: 23.FEB.2023 03:00:56

Lowest Band Edge / Full RB



Date: 23.FEB.2023 04:01:57

Highest Band Edge / Full RB

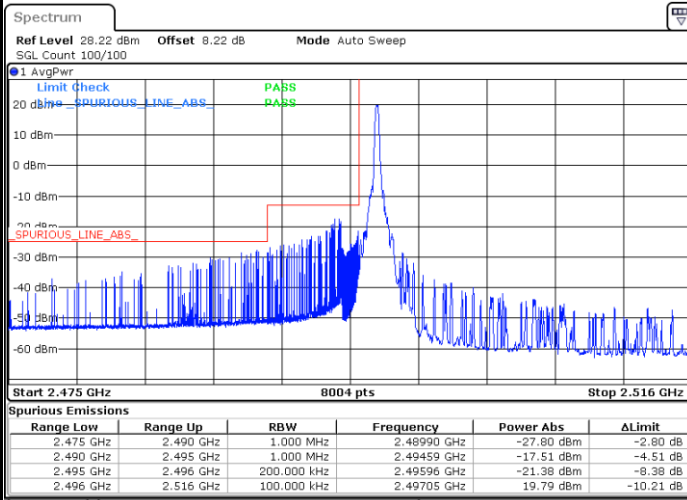


Date: 23.FEB.2023 03:07:40



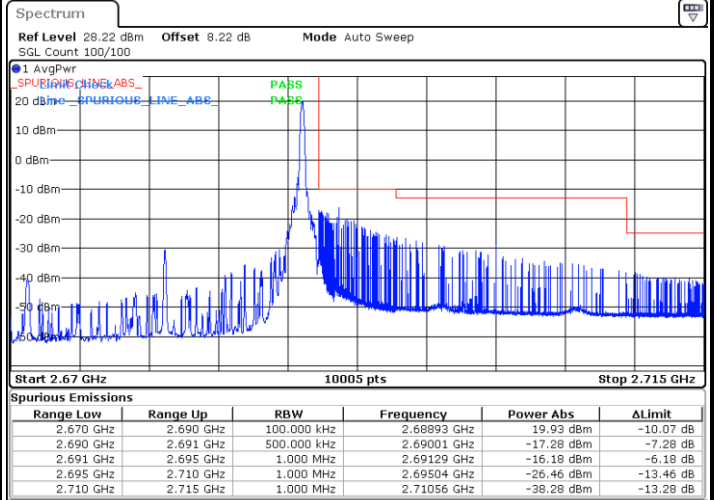
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



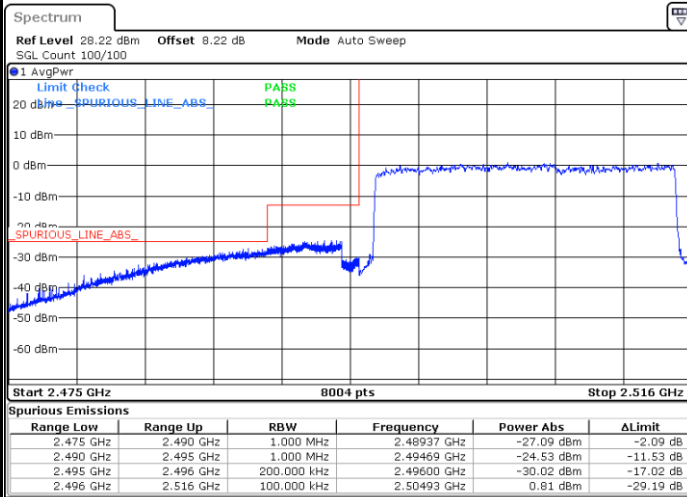
Date: 23.FEB.2023 02:50:13

Highest Band Edge / 1 RB



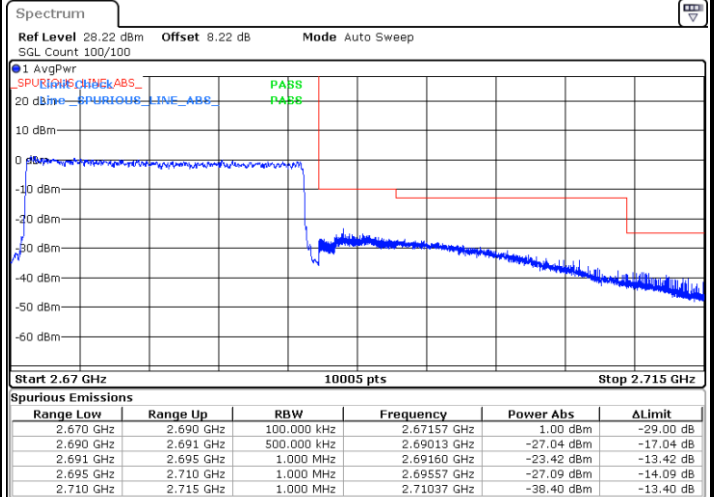
Date: 23.FEB.2023 03:01:46

Lowest Band Edge / Full RB



Date: 23.FEB.2023 02:53:35

Highest Band Edge / Full RB

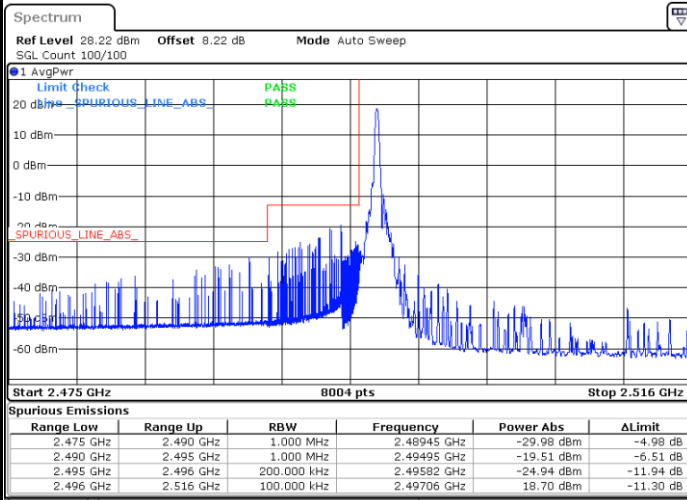


Date: 23.FEB.2023 03:05:08



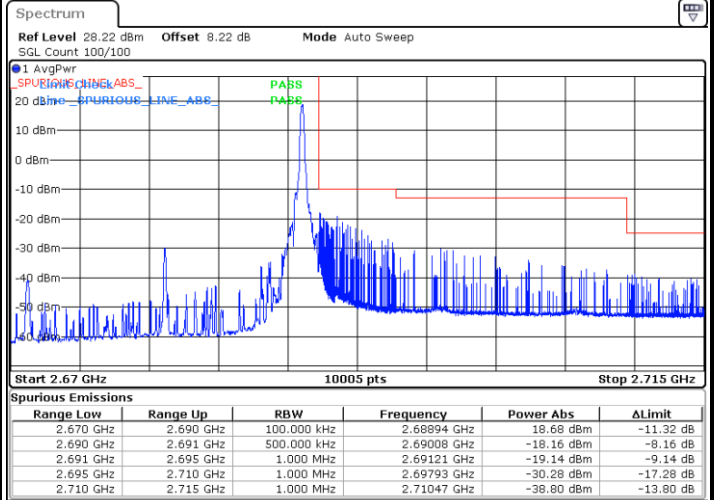
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



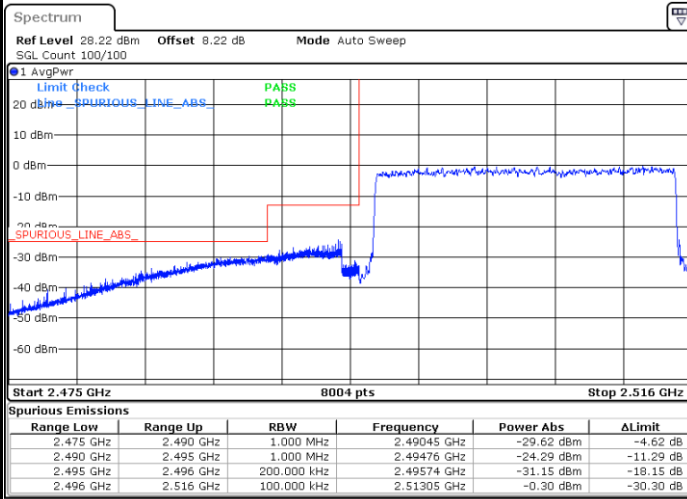
Date: 23.FEB.2023 02:51:04

Highest Band Edge / 1 RB



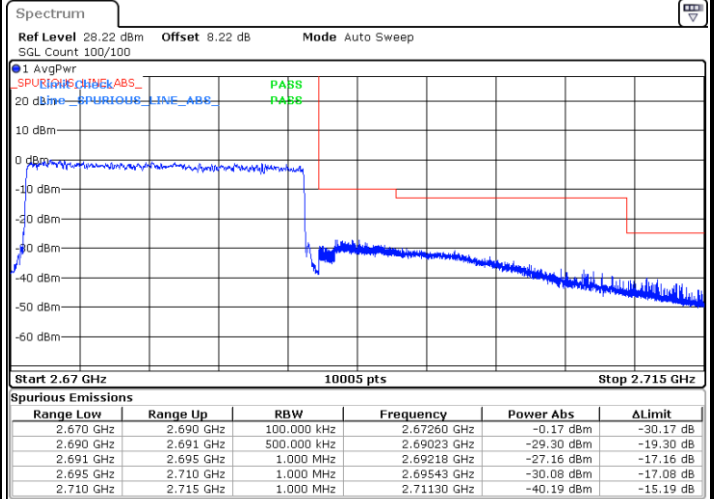
Date: 23.FEB.2023 03:02:37

Lowest Band Edge / Full RB



Date: 23.FEB.2023 02:54:26

Highest Band Edge / Full RB

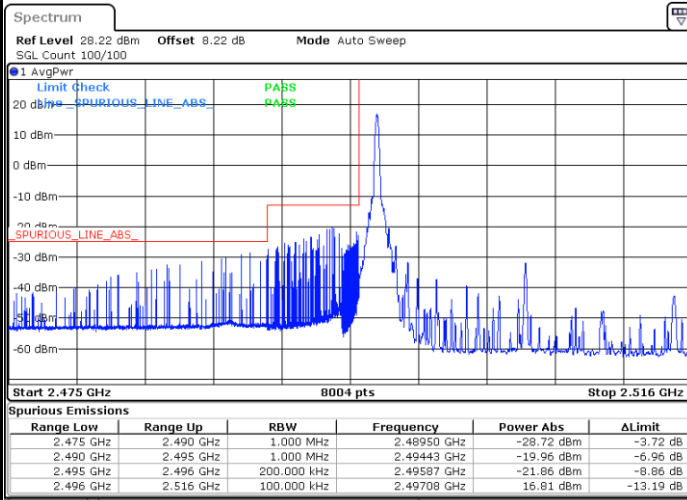


Date: 23.FEB.2023 03:05:59



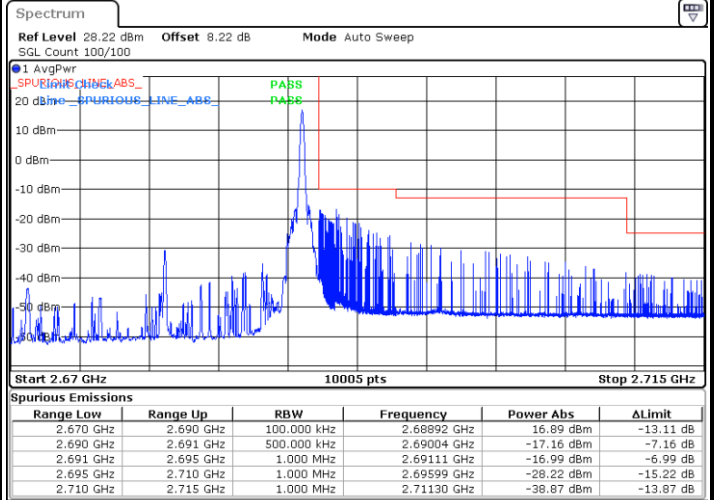
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1RB



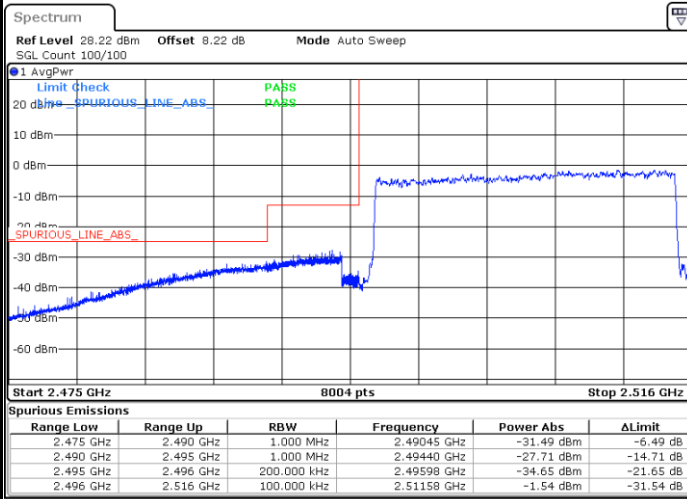
Date: 23.FEB.2023 02:51:54

Highest Band Edge / 1 RB



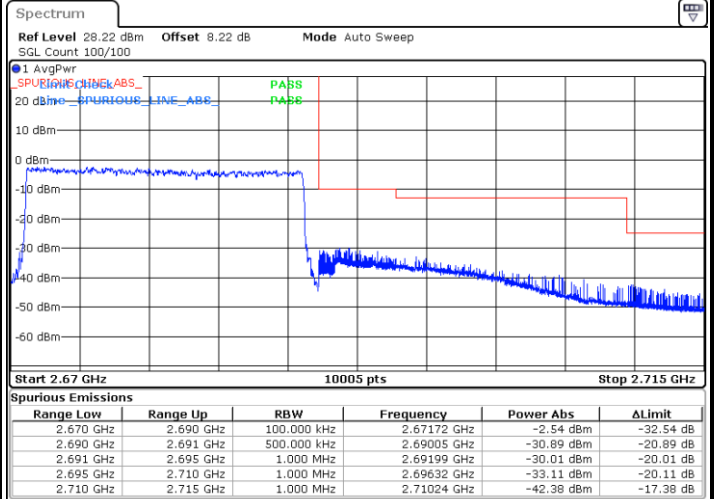
Date: 23.FEB.2023 03:03:27

Lowest Band Edge / Full RB



Date: 23.FEB.2023 02:55:17

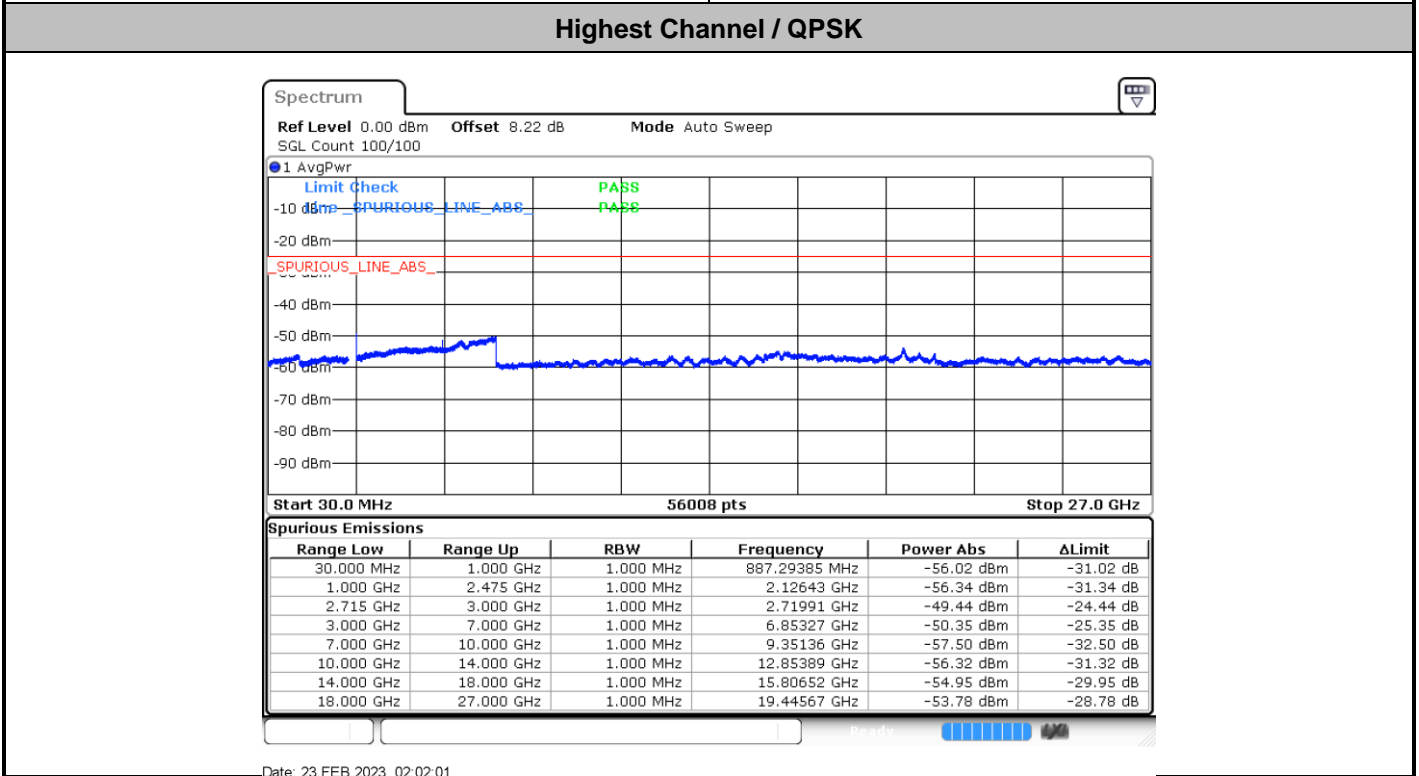
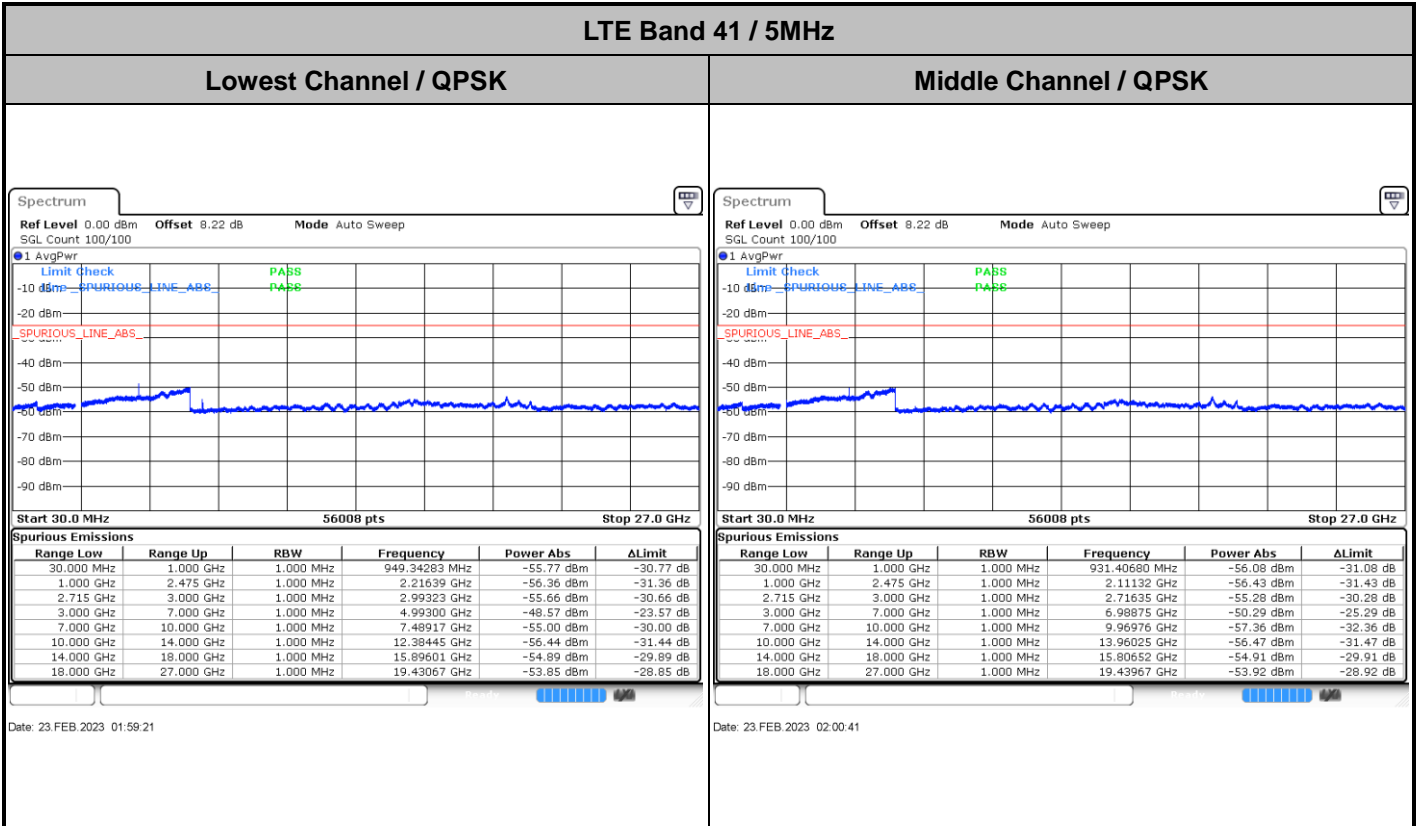
Highest Band Edge / Full RB



Date: 23.FEB.2023 03:06:50



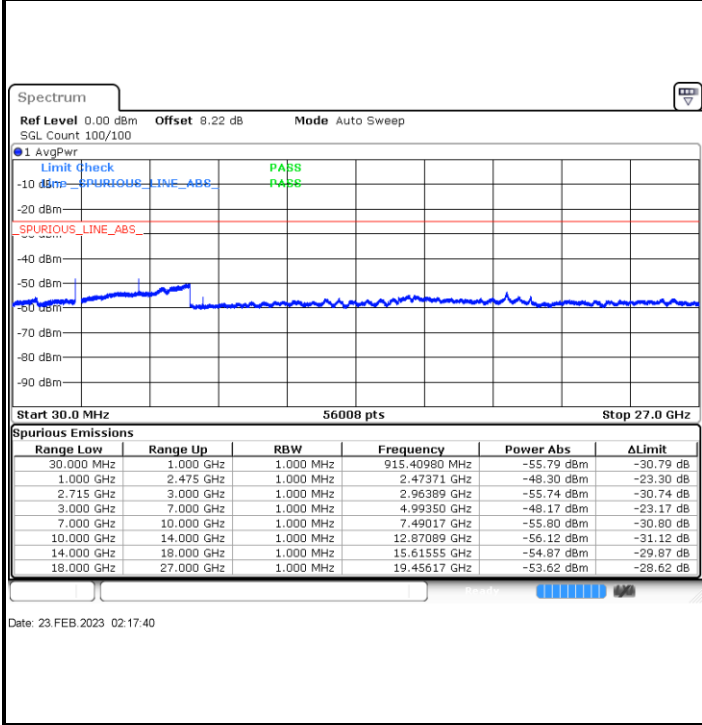
# Conducted Spurious Emission



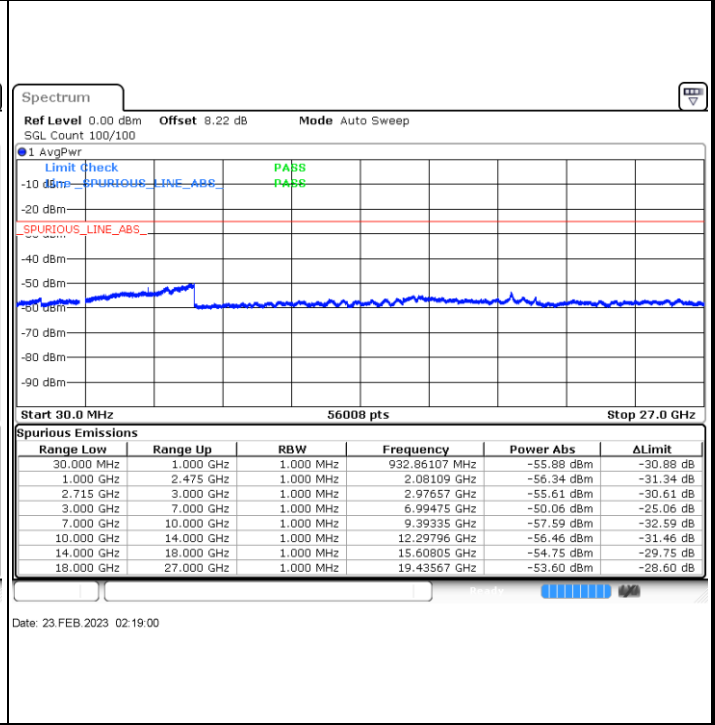


**LTE Band 41 / 10MHz**

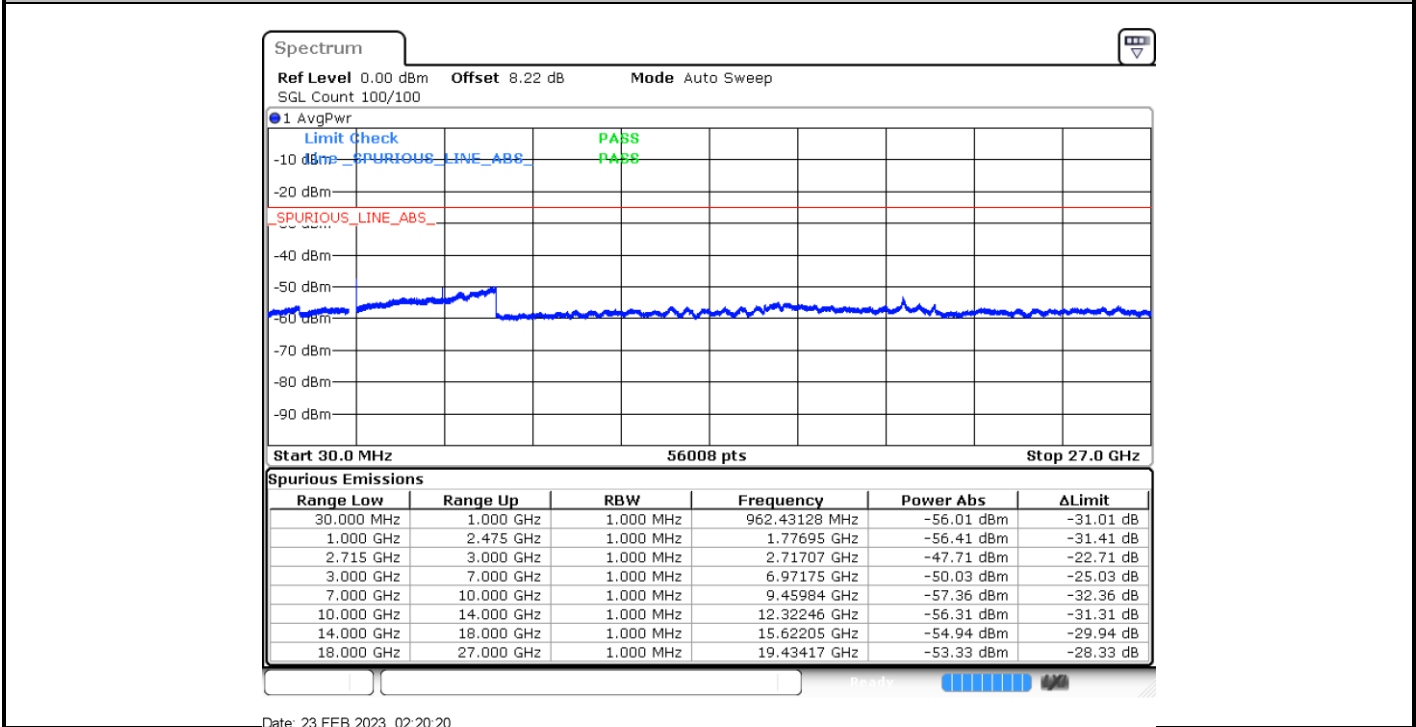
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

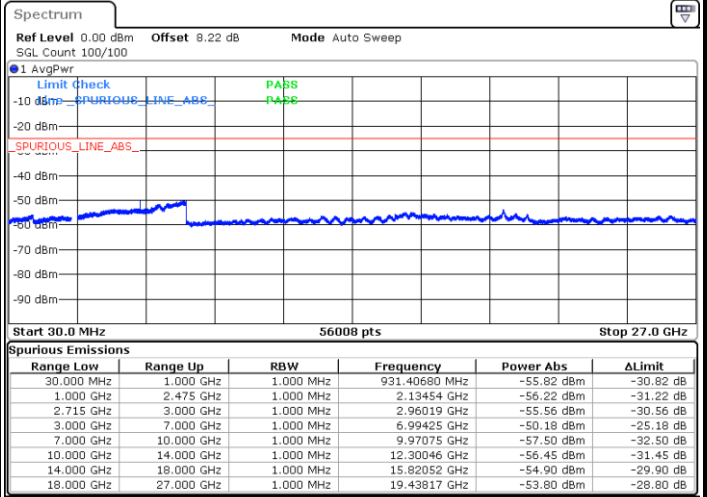
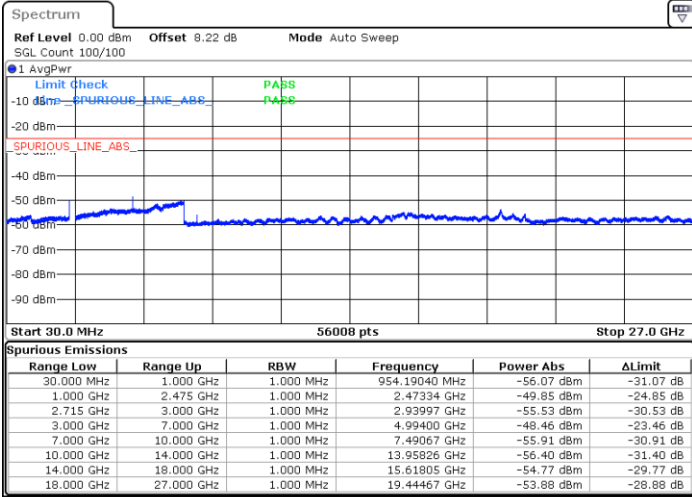




LTE Band 41 / 15MHz

Lowest Channel / QPSK

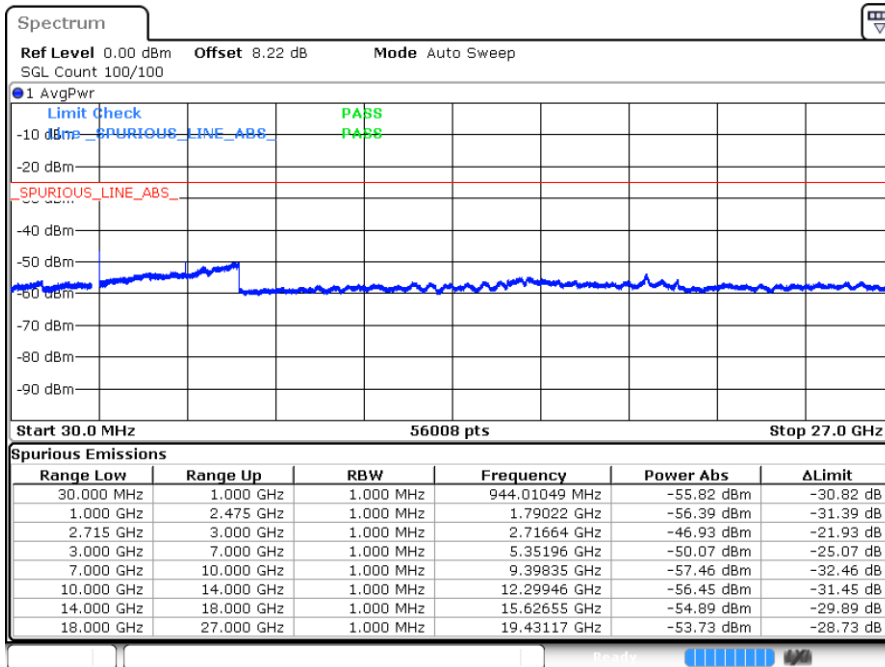
Middle Channel / QPSK



Date: 23 FEB 2023 02:38:15

Date: 23 FEB 2023 02:39:35

Highest Channel / QPSK



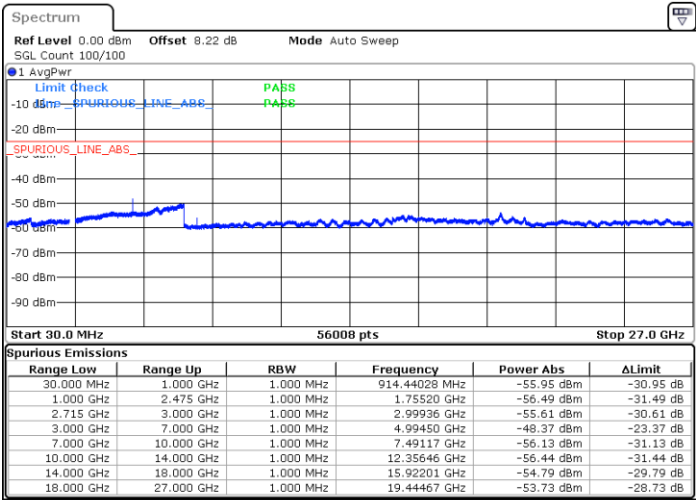
Date: 23 FEB 2023 02:40:54



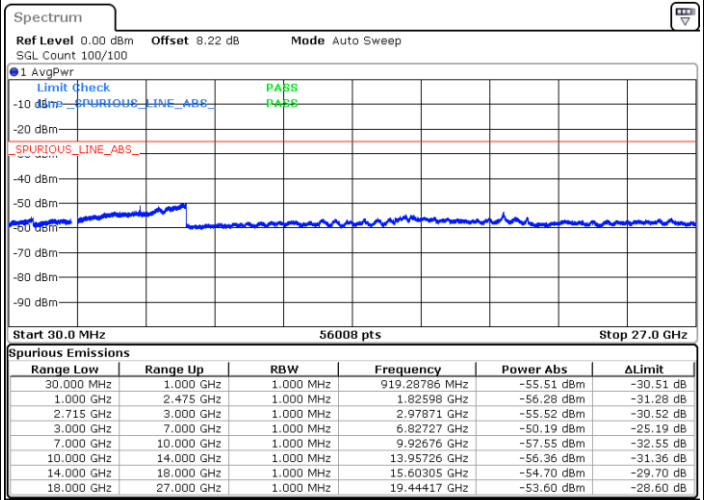
LTE Band 41 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

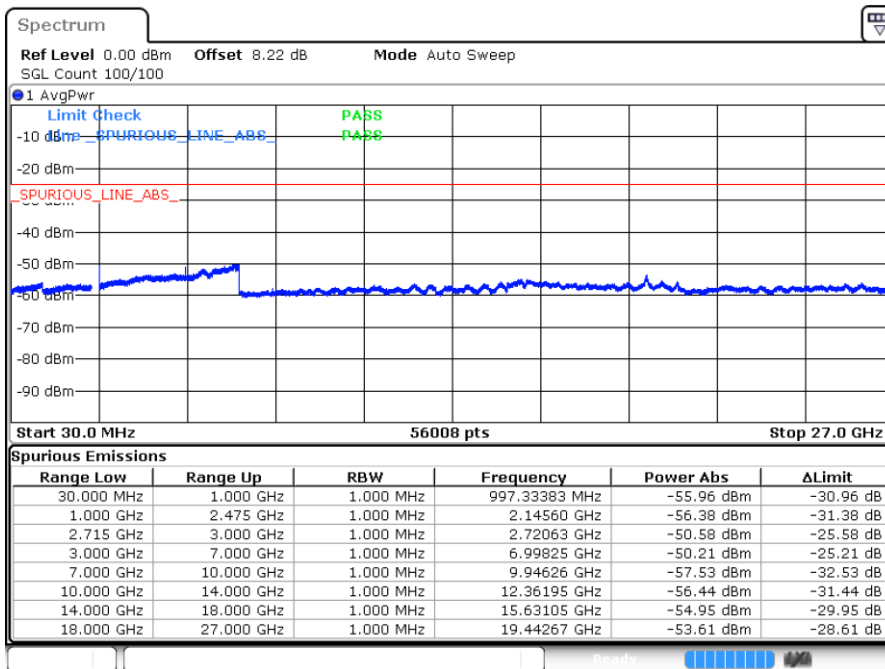


Date: 23 FEB 2023 02:56:37



Date: 23 FEB 2023 02:57:57

Highest Channel / QPSK



Date: 23 FEB 2023 03:00:05





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	0.0026	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.43V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 7 / 20MHz / QPSK (Ant. 2)								
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	5050	-60.43	-25	-35.43	-70.64	3.03	13.24	H
	7584	-60.15	-25	-35.15	-69.60	3.56	13.01	H
	10104	-61.74	-25	-36.74	-71.26	3.92	13.44	H
	5050	-62.42	-25	-37.42	-72.63	3.03	13.24	V
	7584	-61.71	-25	-36.71	-71.16	3.56	13.01	V
	10104	-61.66	-25	-36.66	-71.18	3.92	13.44	V

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

LTE Band 12 / 10MHz / QPSK (Ant. 1)								
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-58.29	-13	-45.29	-65.26	1.58	10.70	H
	2112	-51.71	-13	-38.71	-59.96	2.102	12.50	H
	2808	-60.24	-13	-47.24	-69.13	2.856	13.90	H
	1408	-59.41	-13	-46.41	-66.38	1.58	10.70	V
	2112	-42.27	-13	-29.27	-50.52	2.10	12.50	V
	2808	-60.06	-13	-47.06	-68.95	2.86	13.90	V

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

LTE Band 13 / 5MHz / QPSK (Ant. 1)								
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-60.21	-42.15	-18.06	-62.84	1.09	5.87	H
	2336	-51.57	-13	-38.57	-53.97	1.37	5.92	H
	3120	-60.65	-13	-47.65	-64.54	1.64	7.68	H
	1560	-65.14	-42.15	-22.99	-67.77	1.09	5.87	V
	2336	-59.87	-13	-46.87	-62.27	1.37	5.92	V
	3120	-60.35	-13	-47.35	-64.24	1.64	7.68	V

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



LTE Band 13 / 10MHz / QPSK (Ant. 1)								
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-58.77	-13	-45.77	-61.40	1.09	5.87	H
	2336	-55.70	-13	-42.70	-58.10	1.37	5.92	H
	3112	-60.72	-13	-47.72	-64.61	1.64	7.68	H
	1552	-63.76	-13	-50.76	-66.39	1.09	5.87	V
	2336	-51.49	-13	-38.49	-53.89	1.37	5.92	V
	3112	-60.47	-13	-47.47	-64.36	1.64	7.68	V

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

LTE Band 41 / 20MHz / QPSK (Ant. 2)								
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	5162	-52.24	-25	-27.24	-62.45	3.03	13.24	H
	7752	-52.32	-25	-27.32	-61.77	3.56	13.01	H
	10342	-61.26	-25	-36.26	-70.78	3.92	13.44	H
	5162	-51.51	-25	-26.51	-61.72	3.03	13.24	V
	7752	-52.66	-25	-27.66	-62.11	3.56	13.01	V
	10342	-62.03	-25	-37.03	-71.55	3.92	13.44	V

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

**For Other PA:**

EN-DC 7A_n66A (non-signaling mode)/ LTE 20MHz + NR 40MHz / QPSK / ANT6(LTE) & ANT2(NR)								
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	-62.52	-25	-37.52	-72.73	3.03	13.24	H
	7576	-62.19	-25	-37.19	-71.64	3.56	13.01	H
	10100	-61.10	-25	-36.10	-70.62	3.92	13.44	H
	5052	-62.75	-25	-37.75	-72.96	3.03	13.24	V
	7576	-61.84	-25	-36.84	-71.29	3.56	13.01	V
	10100	-61.38	-25	-36.38	-70.90	3.92	13.44	V

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