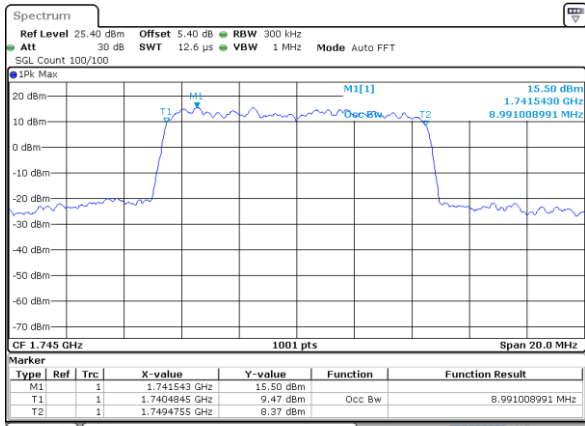




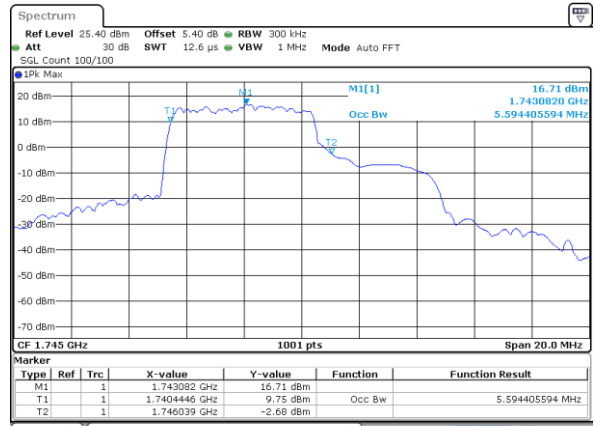
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 17 JAN 2023 08:05:15

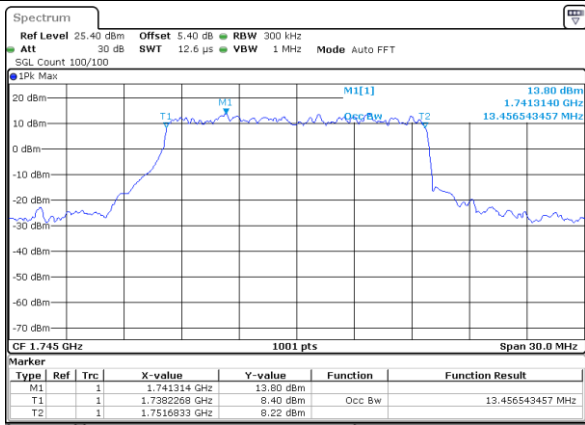
Middle Channel / 10MHz / 16QAM



Date: 17 JAN 2023 08:08:00

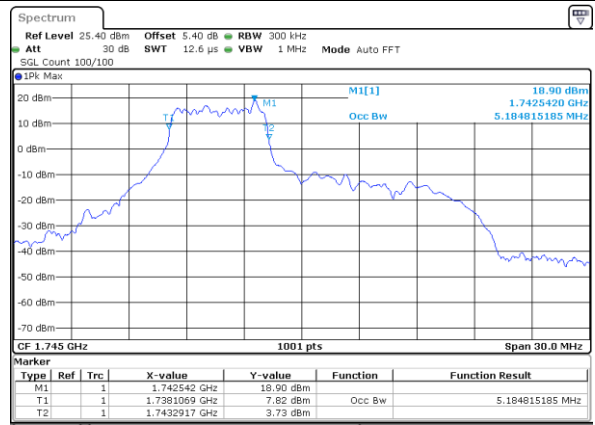
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 17 JAN 2023 09:17:29

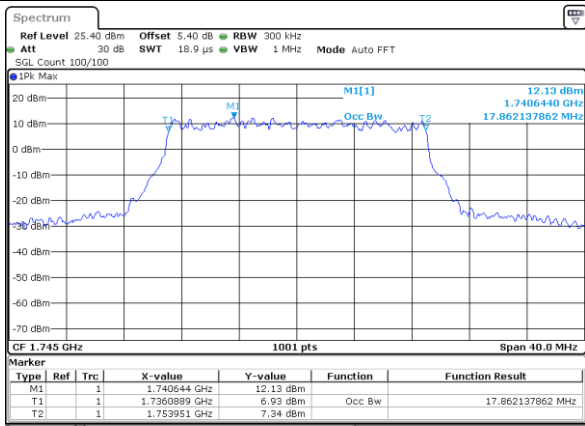
Middle Channel / 15MHz / 16QAM



Date: 17 JAN 2023 09:19:12

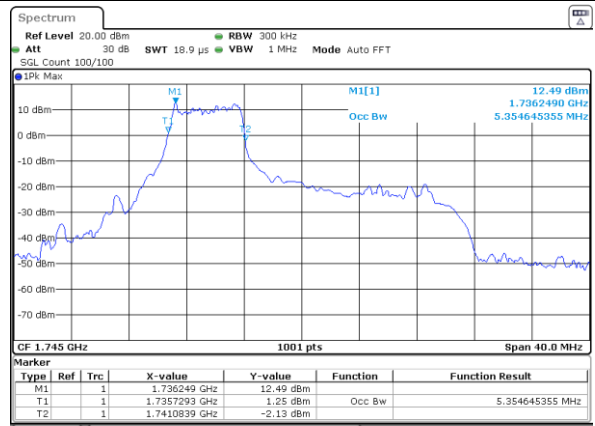
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 17 JAN 2023 15:58:07

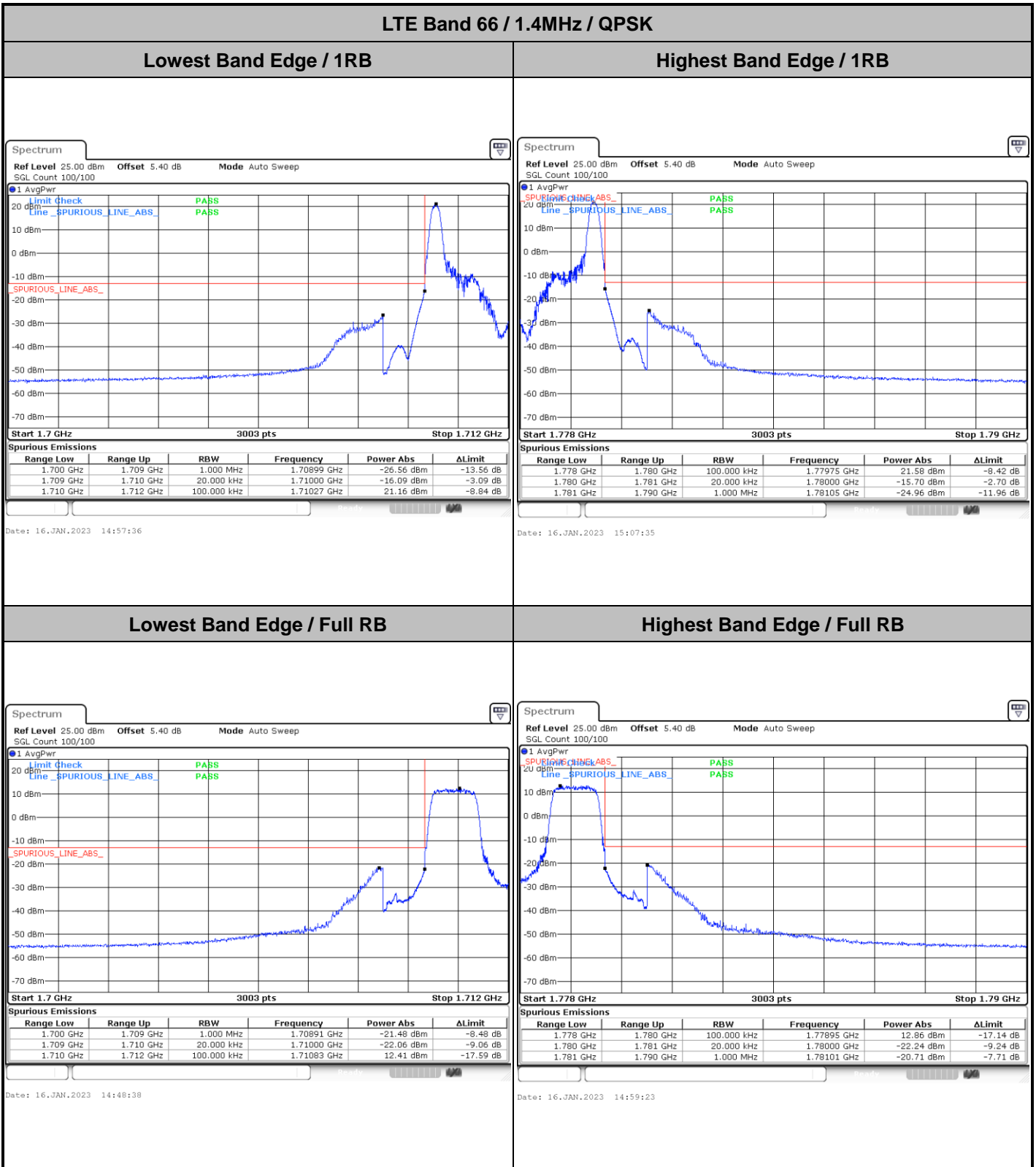
Middle Channel / 20MHz / 16QAM



Date: 18 JAN 2023 14:01:21



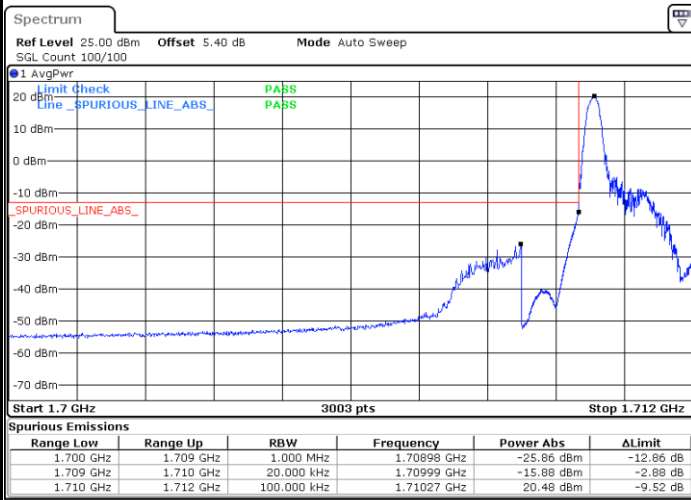
Conducted Band Edge





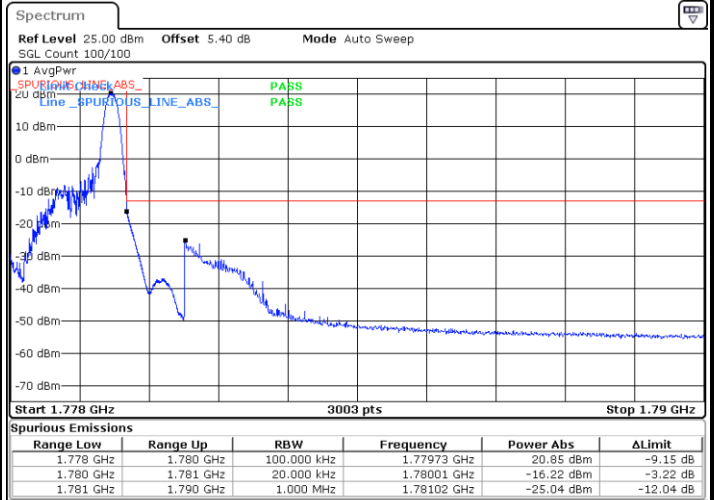
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



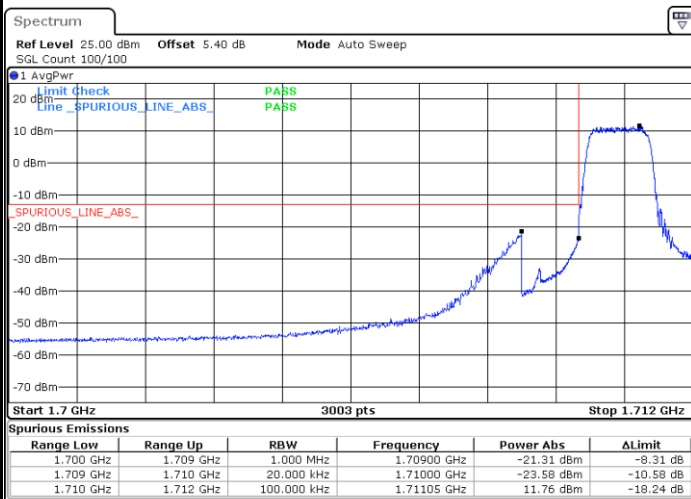
Date: 16.JAN.2023 14:56:05

Highest Band Edge / 1 RB



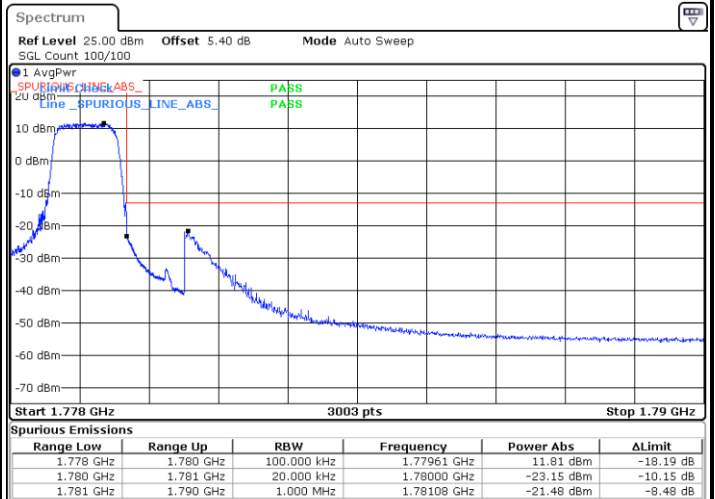
Date: 16.JAN.2023 15:02:11

Lowest Band Edge / Full RB



Date: 16.JAN.2023 14:54:21

Highest Band Edge / Full RB



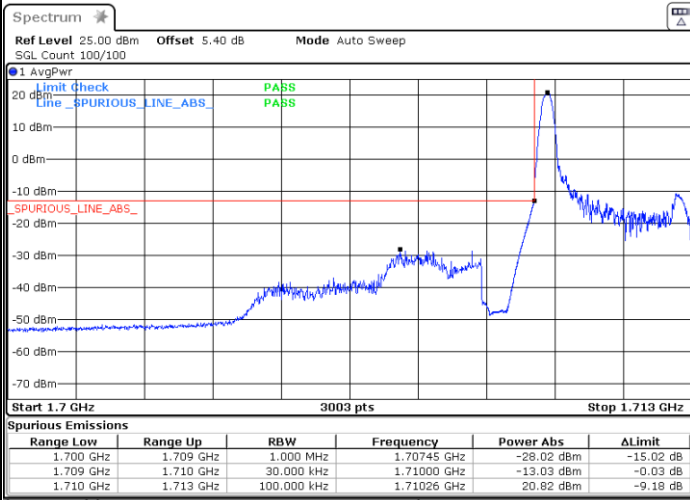
Date: 16.JAN.2023 15:00:38



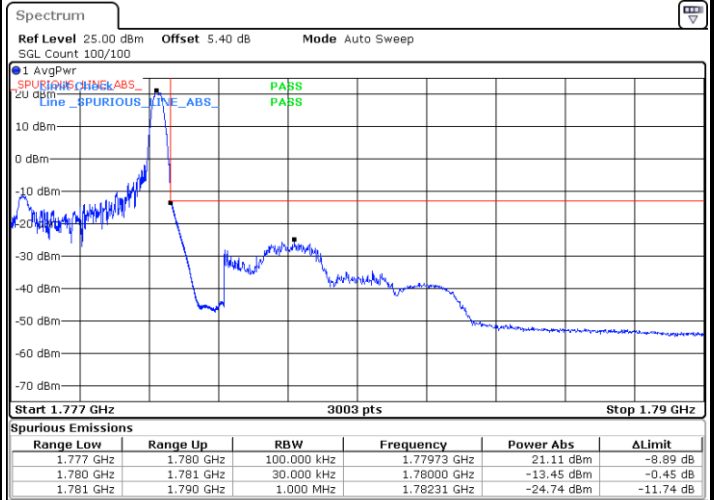
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB

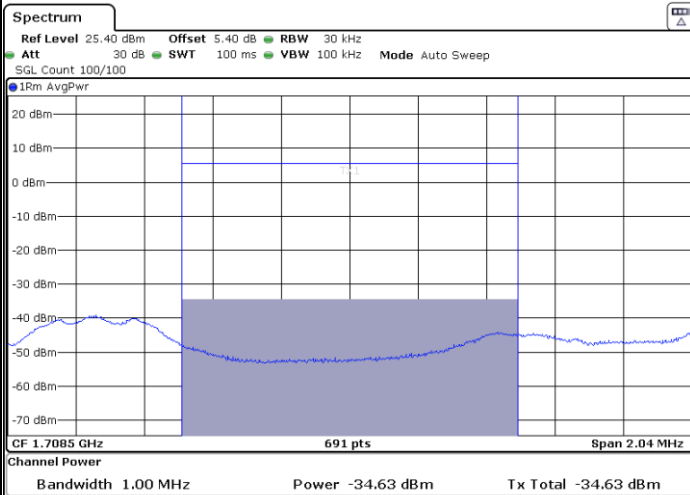
Highest Band Edge / 1 RB



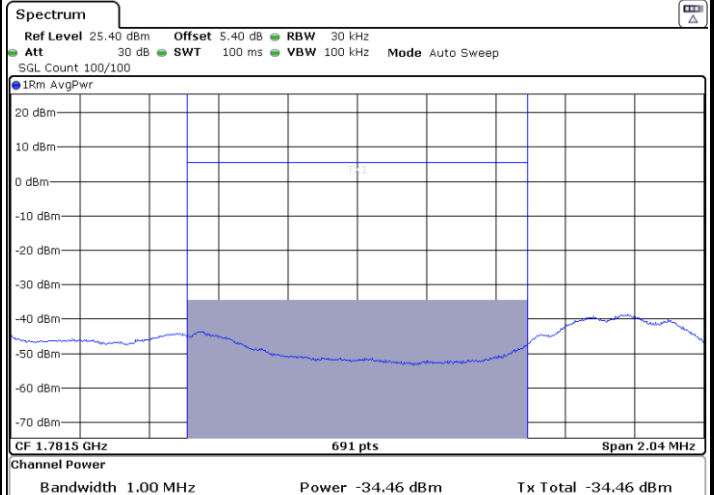
Date: 19.JAN.2023 15:47:32



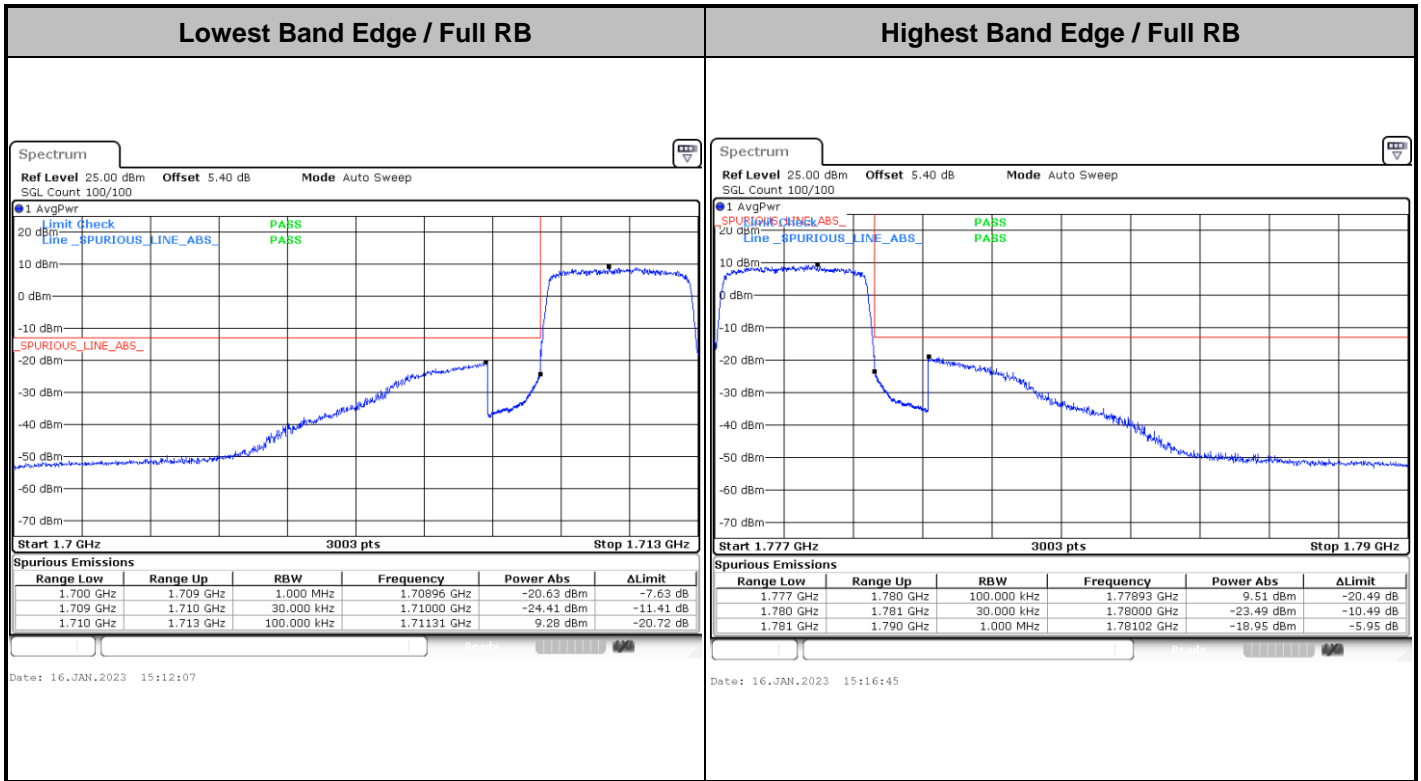
Date: 16.JAN.2023 15:19:44



Date: 30.JAN.2023 15:42:05



Date: 30.JAN.2023 15:48:11

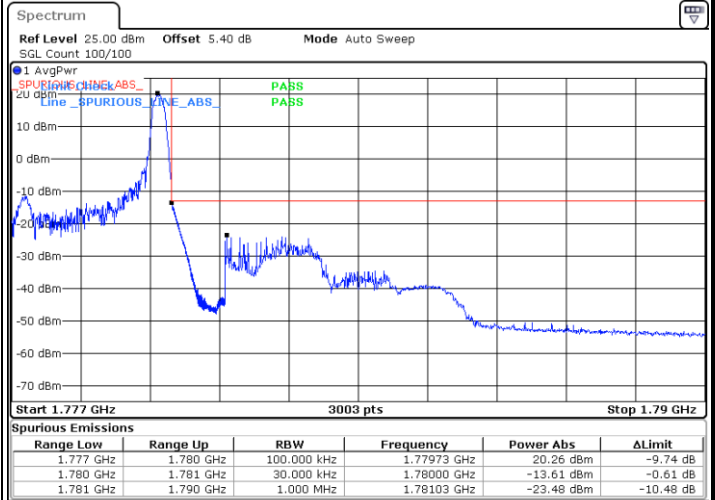
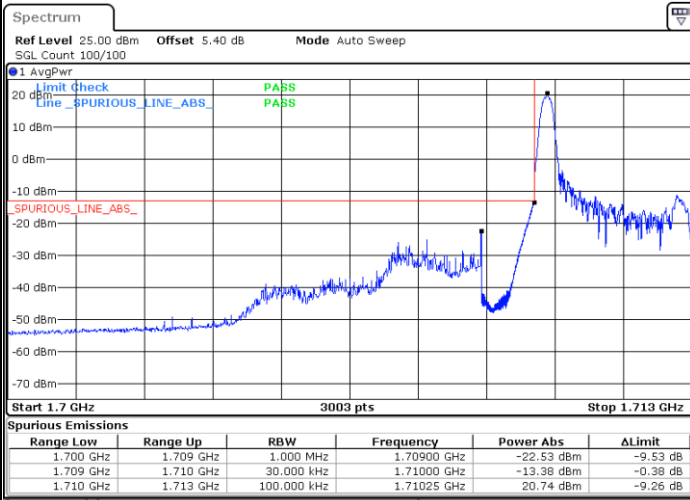




LTE Band 66 / 3MHz / 16QAM

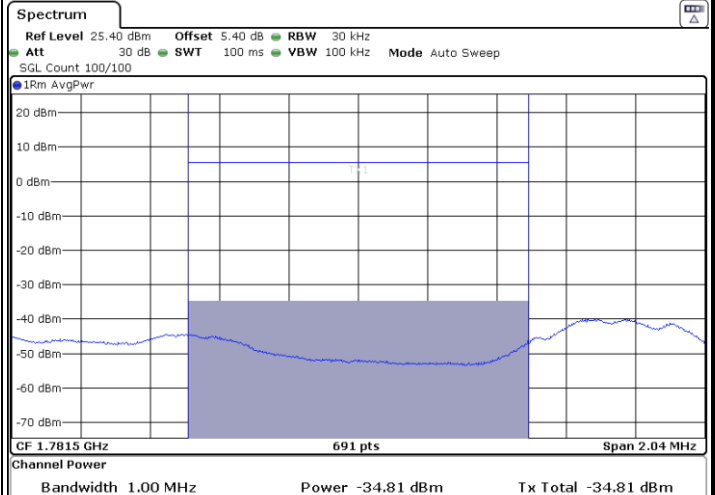
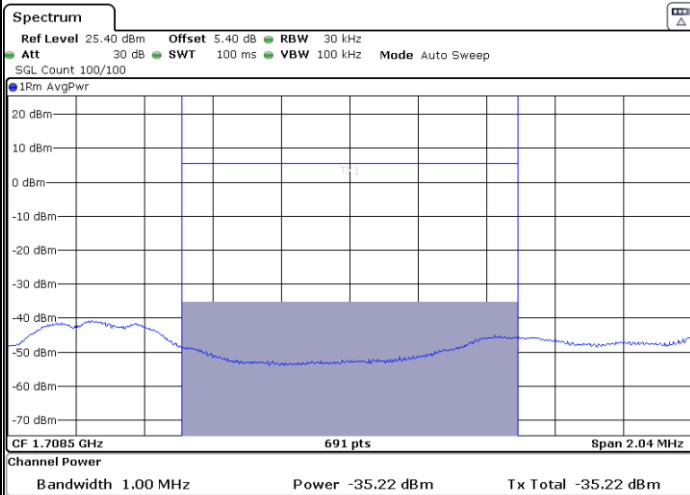
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



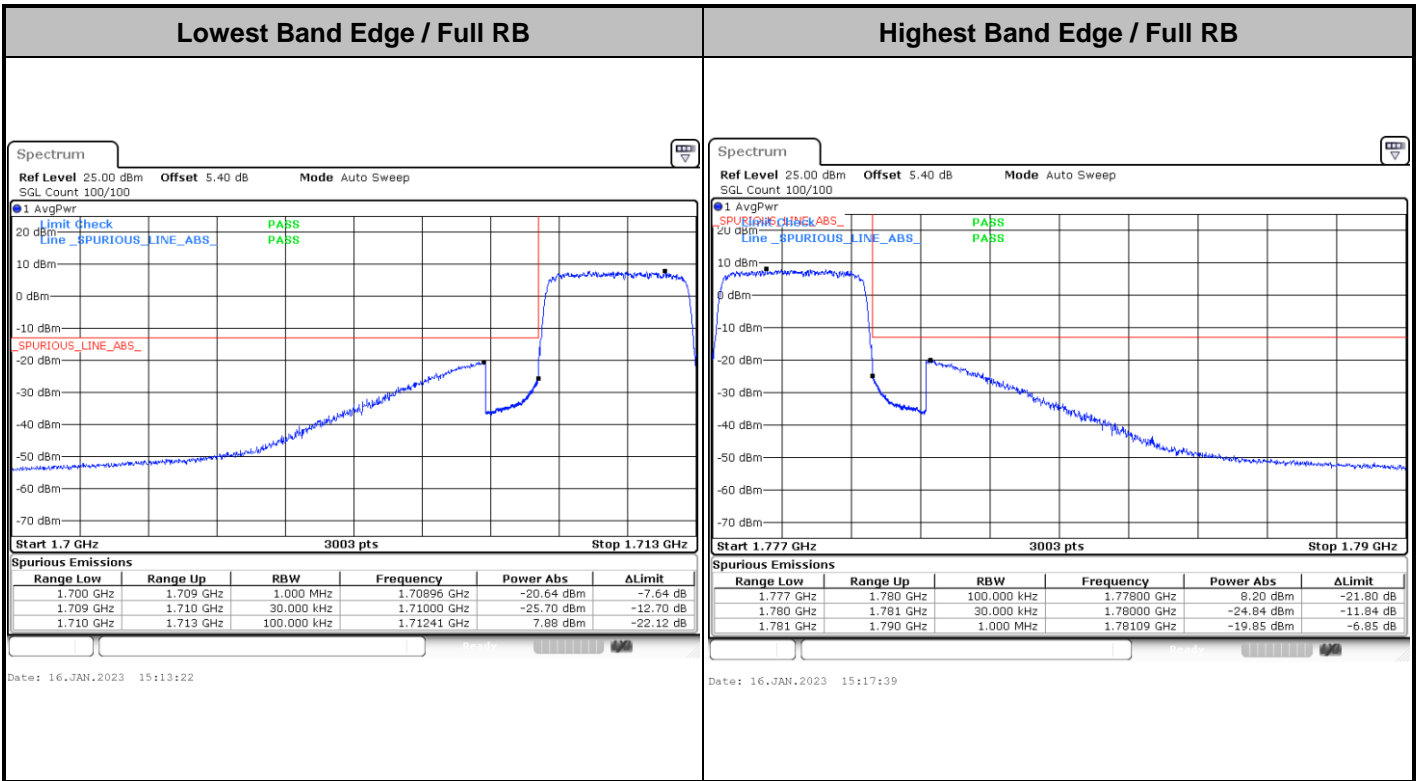
Date: 16.JAN.2023 15:14:21

Date: 16.JAN.2023 15:18:52



Date: 30.JAN.2023 15:42:56

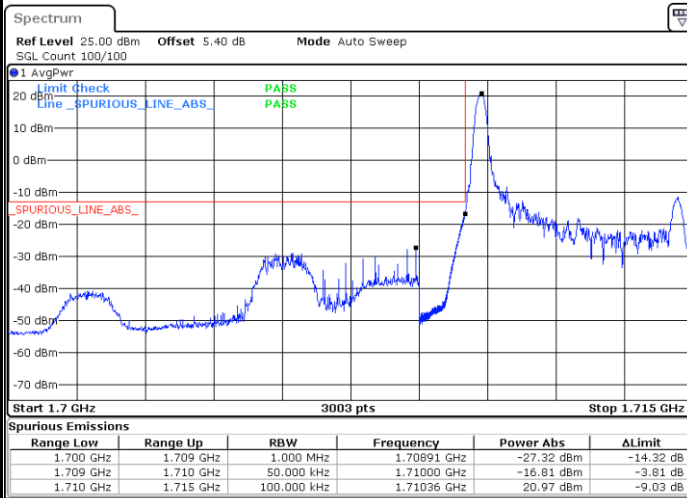
Date: 30.JAN.2023 15:45:58





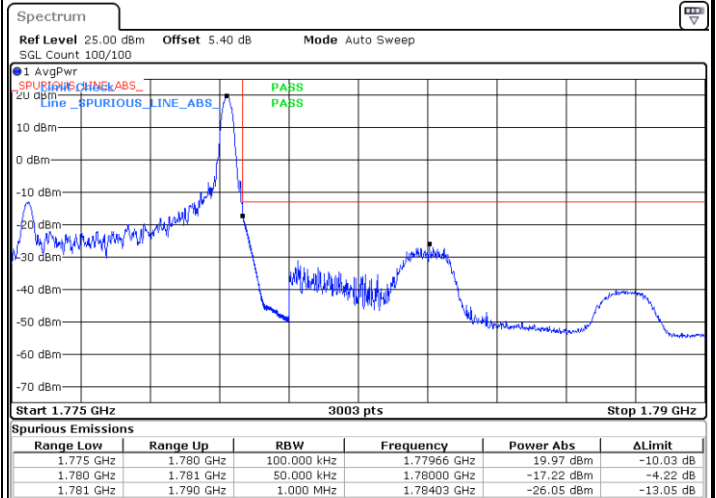
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



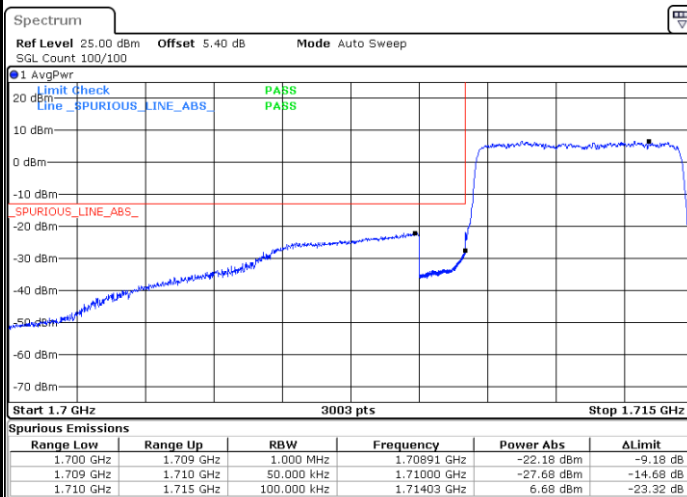
Date: 16.JAN.2023 15:33:30

Highest Band Edge / 1 RB



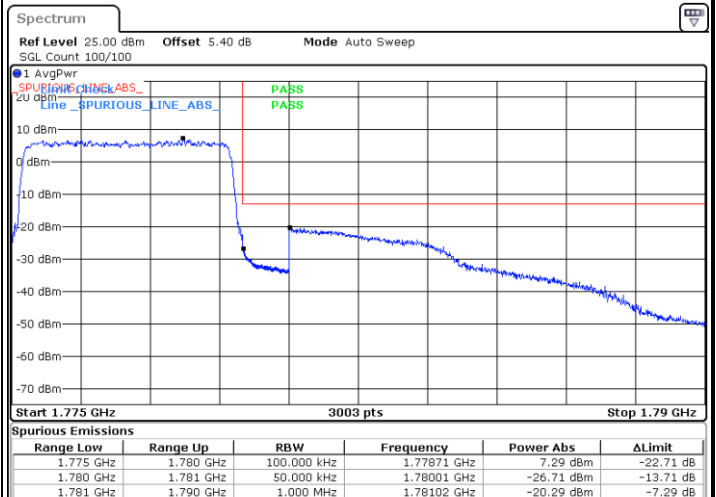
Date: 17.JAN.2023 08:15:04

Lowest Band Edge / Full RB



Date: 16.JAN.2023 15:31:27

Highest Band Edge / Full RB

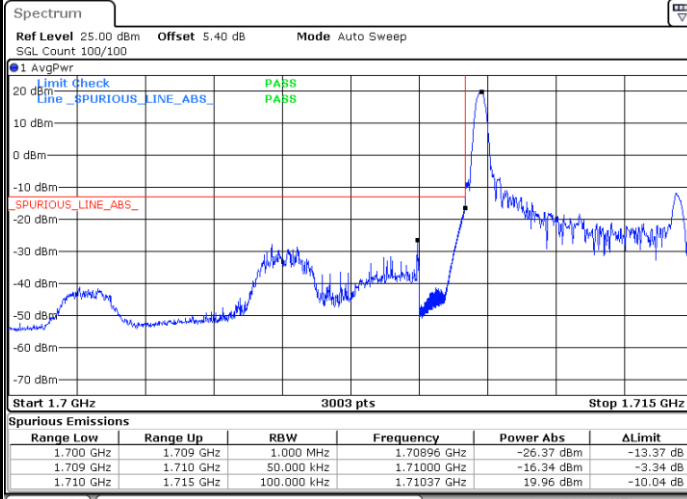


Date: 16.JAN.2023 15:34:06



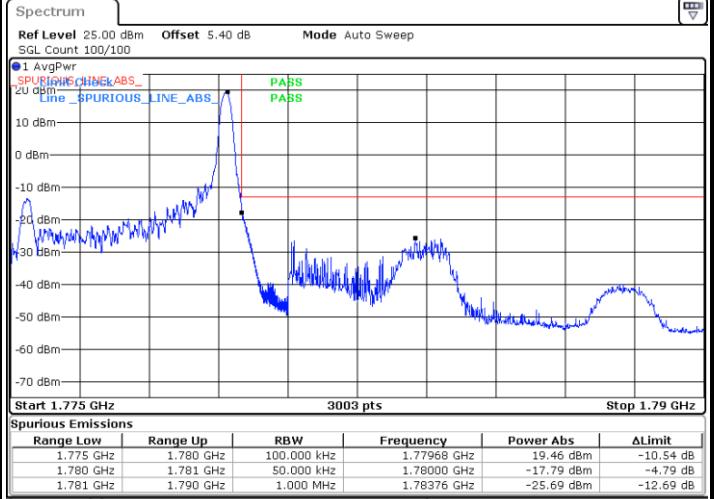
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



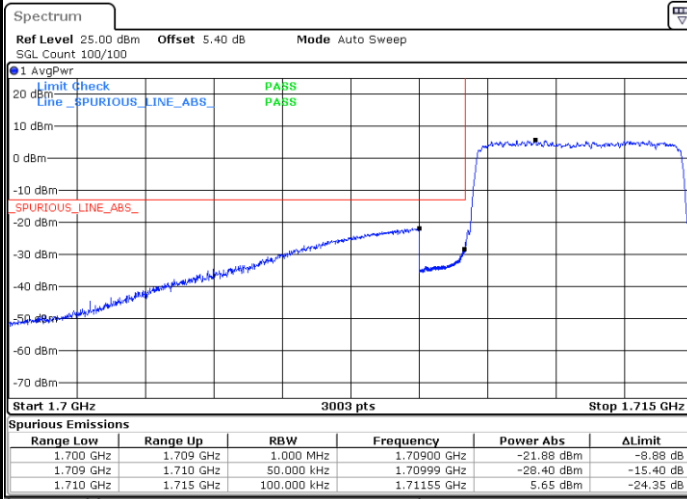
Date: 16, JAN, 2023 15:32:46

Highest Band Edge / 1 RB



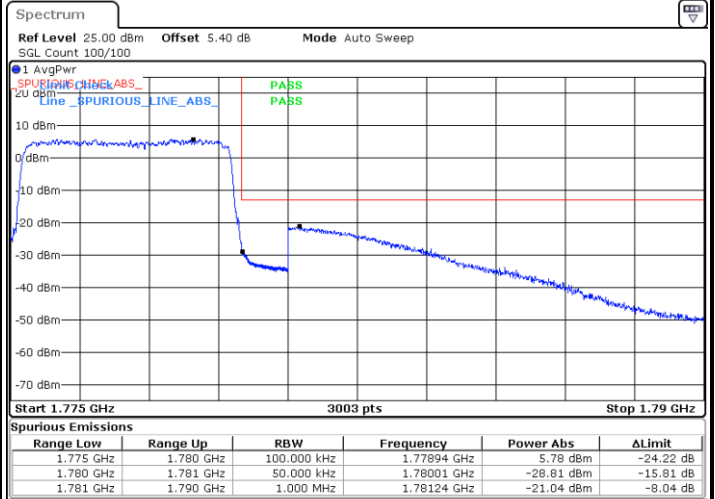
Date: 17, JAN, 2023 08:15:59

Lowest Band Edge / Full RB



Date: 16, JAN, 2023 15:32:03

Highest Band Edge / Full RB

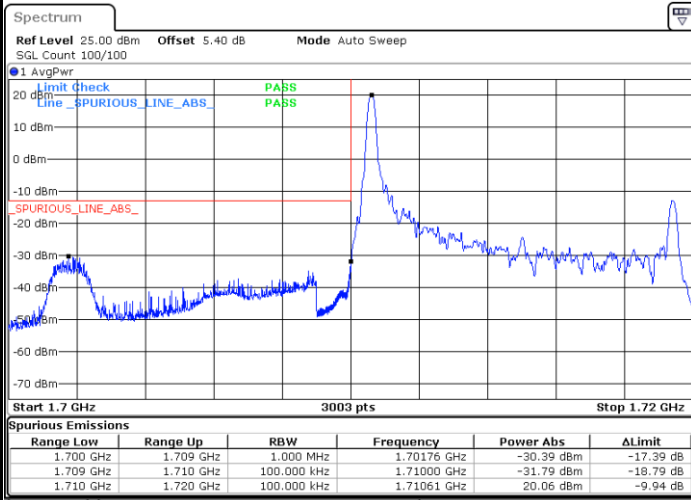


Date: 16, JAN, 2023 15:34:53



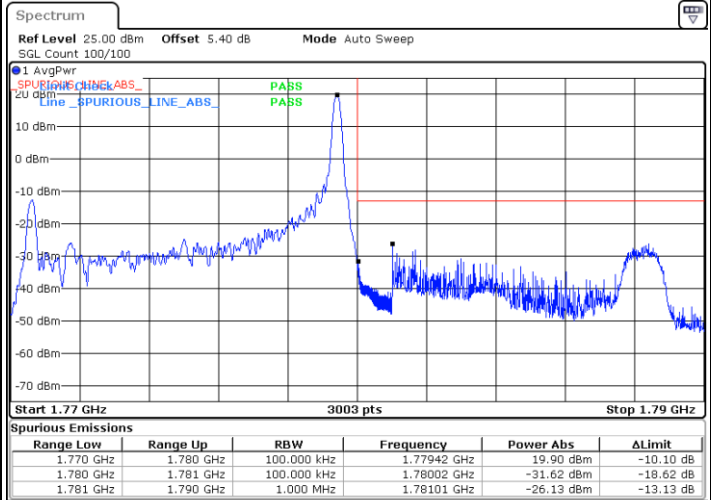
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



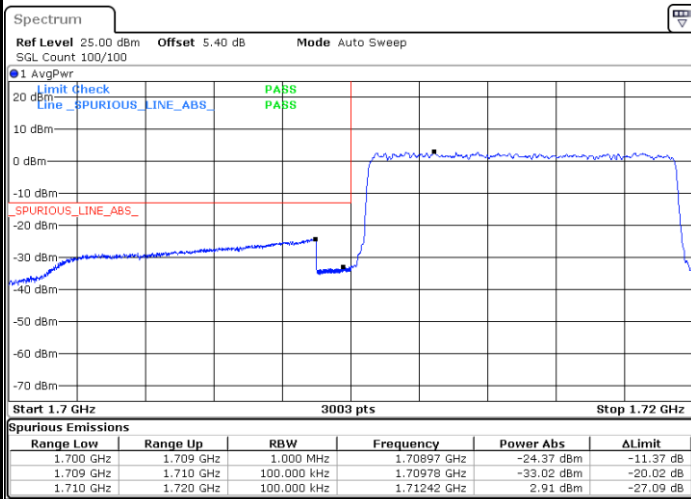
Date: 17.JAN.2023 07:52:53

Highest Band Edge / 1 RB



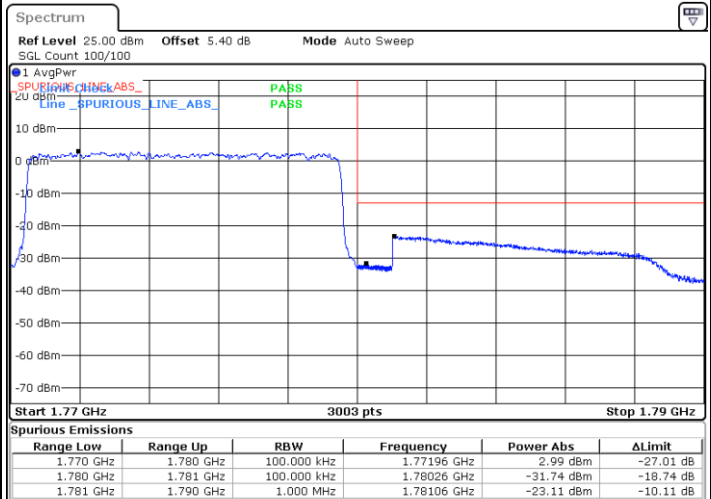
Date: 17.JAN.2023 07:57:15

Lowest Band Edge / Full RB



Date: 17.JAN.2023 07:37:18

Highest Band Edge / Full RB

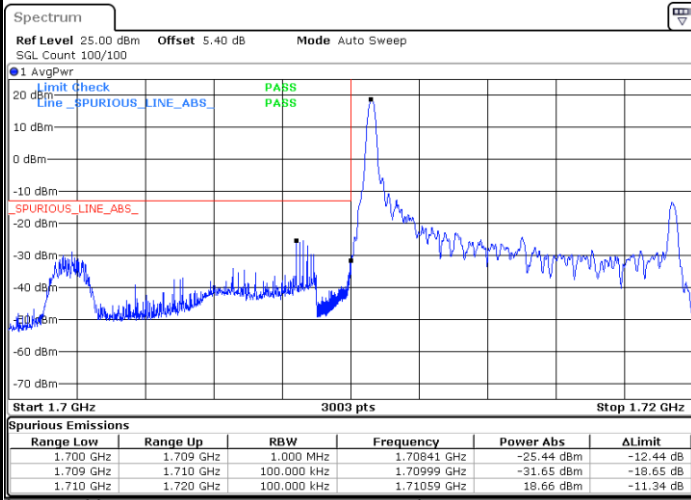


Date: 17.JAN.2023 07:54:20



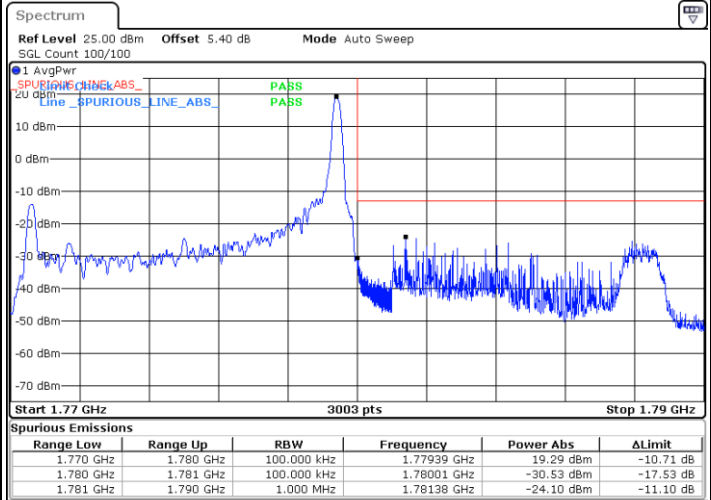
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



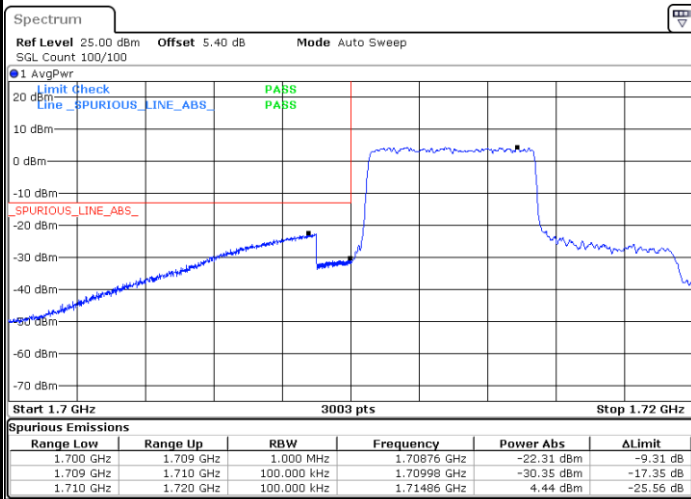
Date: 17.JAN.2023 07:52:23

Highest Band Edge / 1 RB



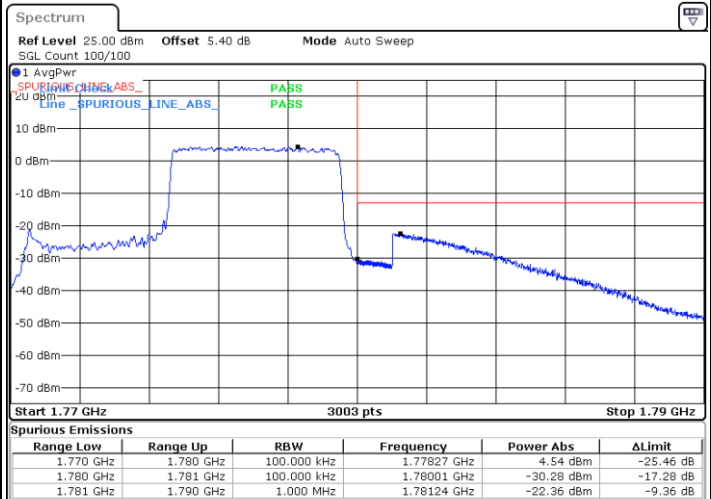
Date: 17.JAN.2023 07:56:45

Lowest Band Edge / Full RB



Date: 17.JAN.2023 07:40:17

Highest Band Edge / Full RB

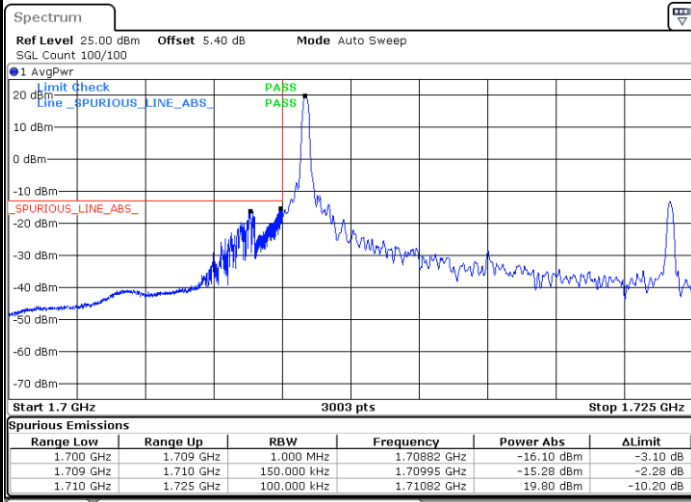


Date: 17.JAN.2023 07:55:54



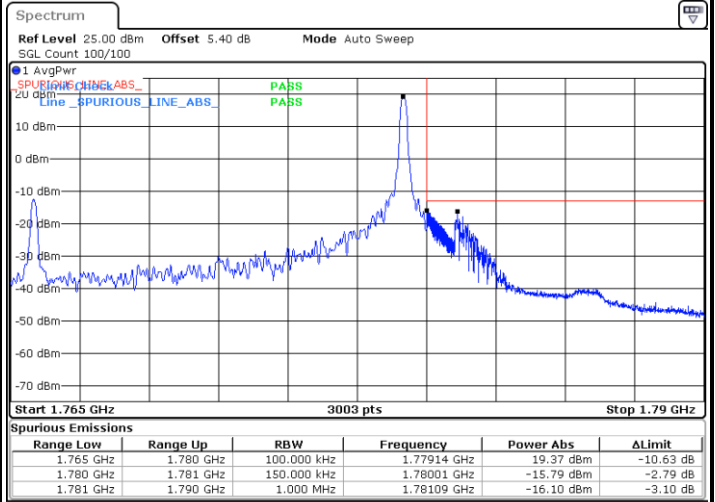
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



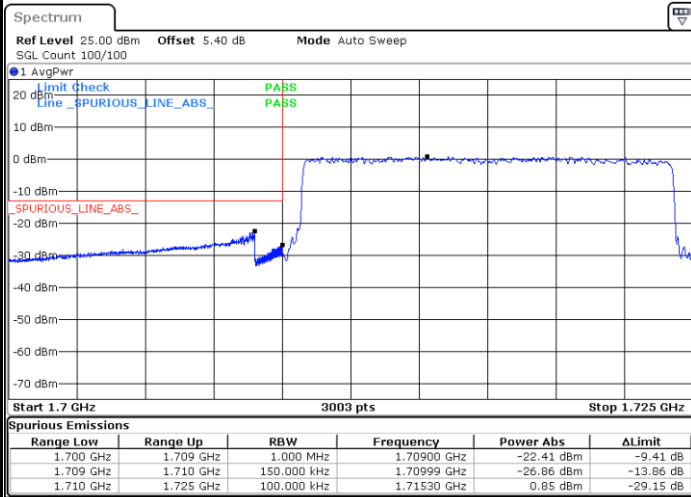
Date: 17.JAN.2023 08:35:19

Highest Band Edge / 1 RB



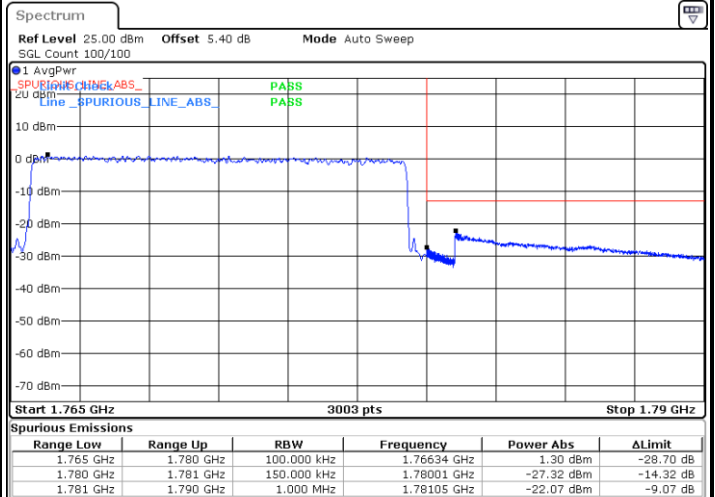
Date: 17.JAN.2023 09:10:36

Lowest Band Edge / Full RB



Date: 17.JAN.2023 08:28:12

Highest Band Edge / Full RB

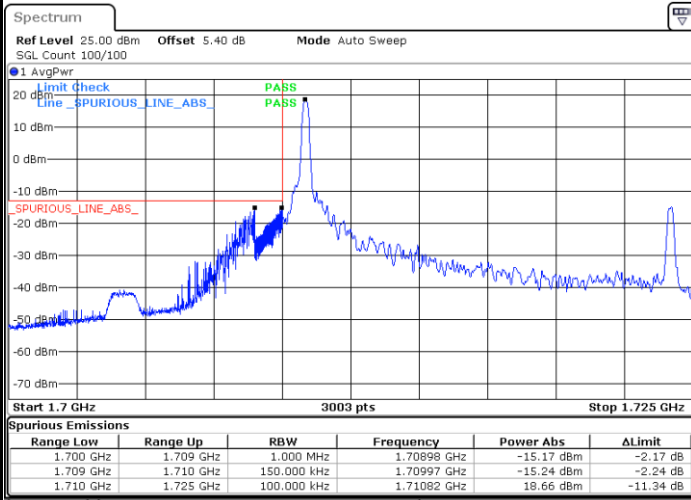


Date: 17.JAN.2023 09:05:56



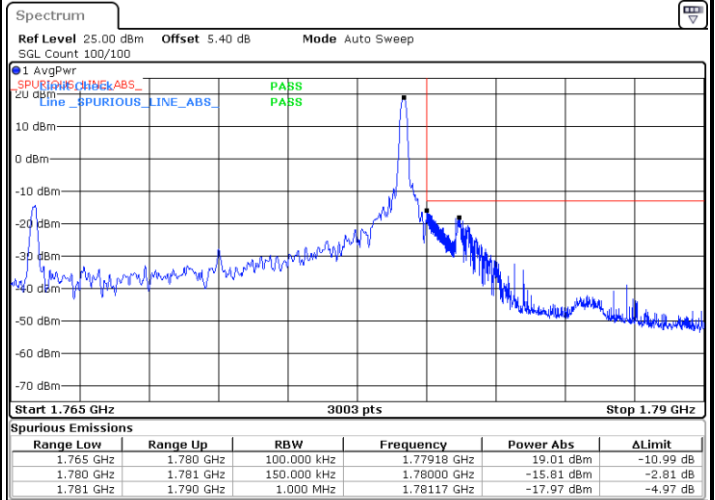
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



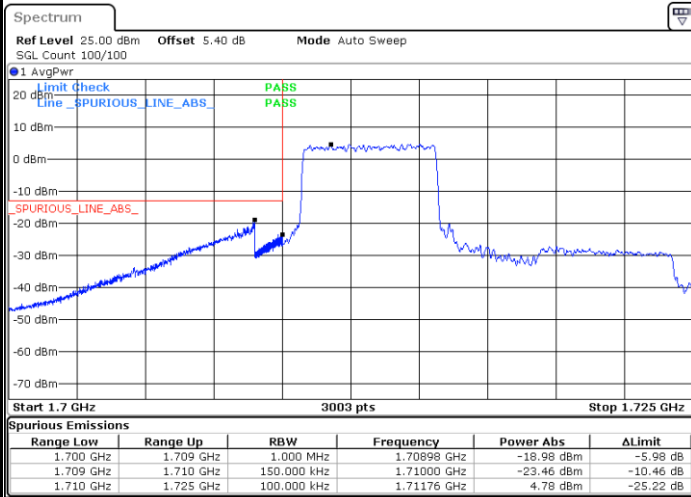
Date: 17.JAN.2023 08:34:35

Highest Band Edge / 1 RB



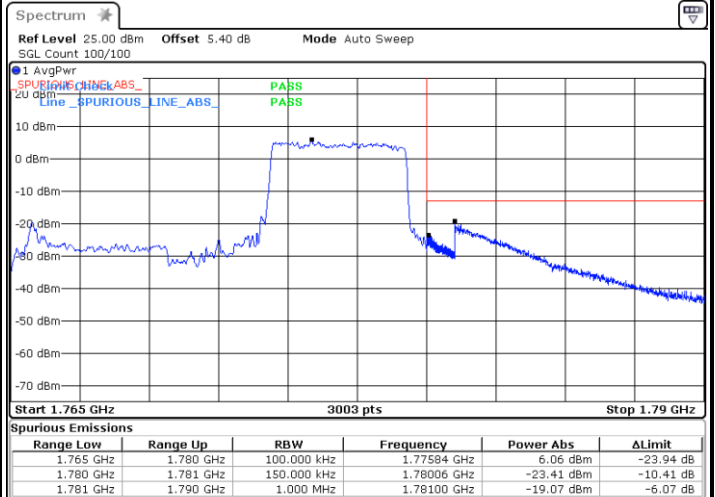
Date: 17.JAN.2023 09:10:08

Lowest Band Edge / Full RB



Date: 17.JAN.2023 08:33:35

Highest Band Edge / Full RB

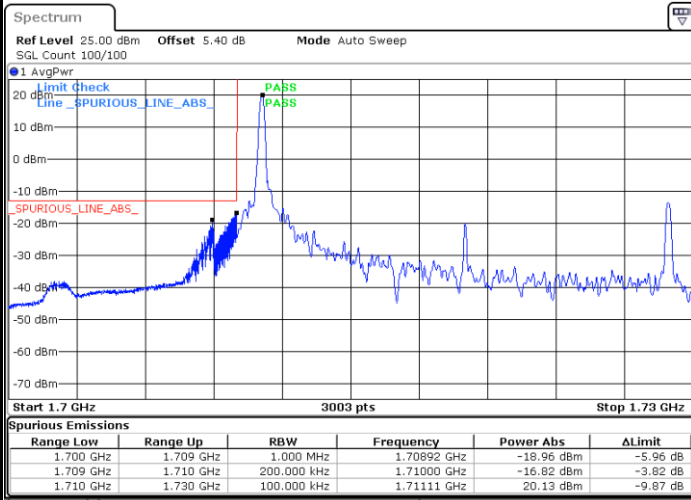


Date: 11.FEB.2023 02:18:44



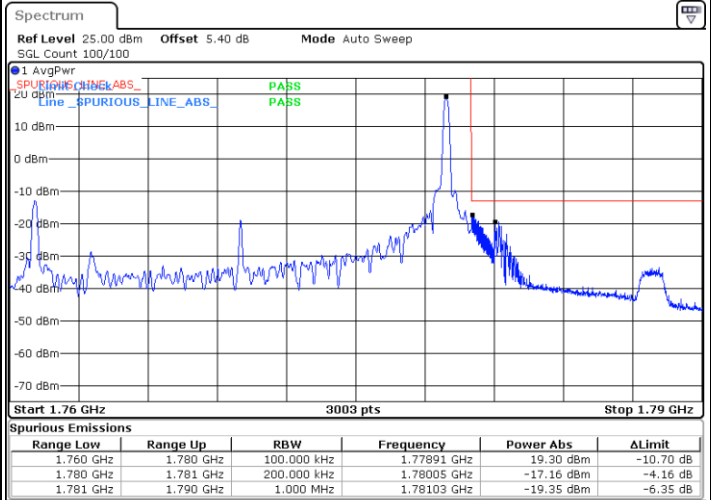
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



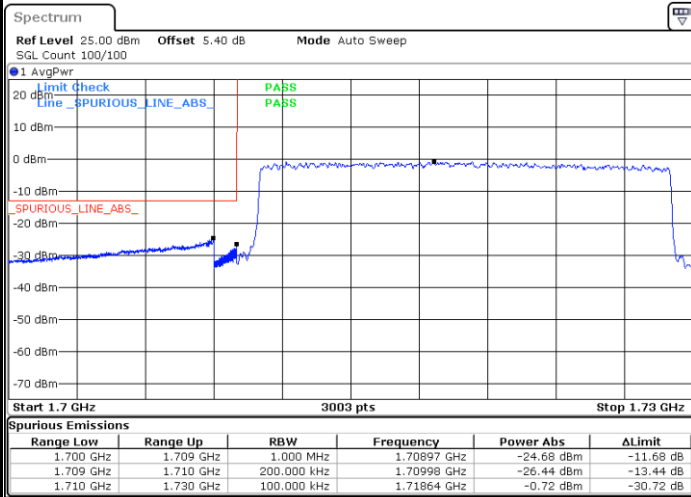
Date: 17.JAN.2023 15:49:56

Highest Band Edge / 1 RB



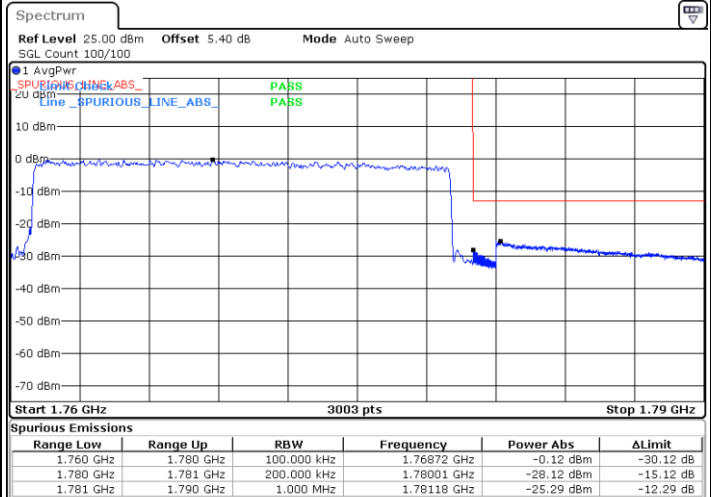
Date: 17.JAN.2023 15:55:16

Lowest Band Edge / Full RB



Date: 17.JAN.2023 15:44:15

Highest Band Edge / Full RB

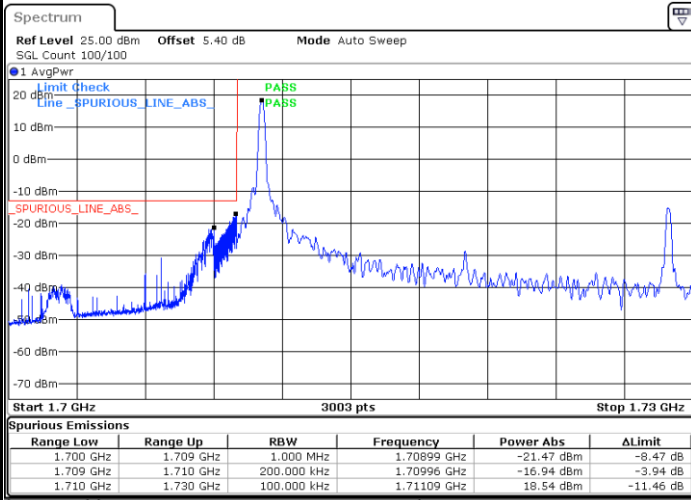


Date: 17.JAN.2023 15:50:41



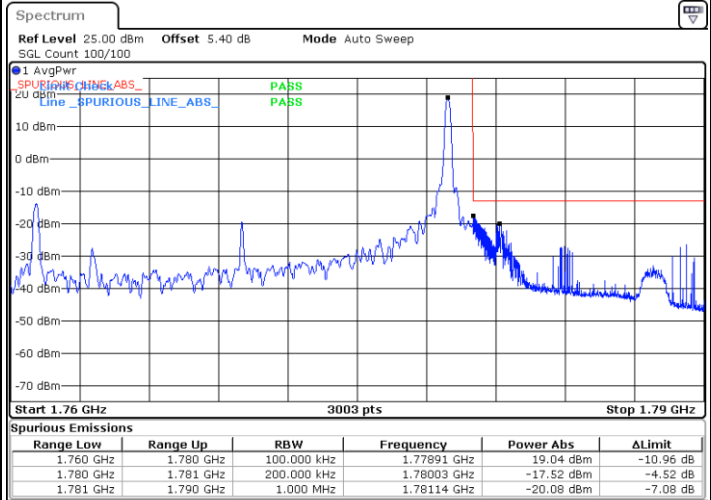
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



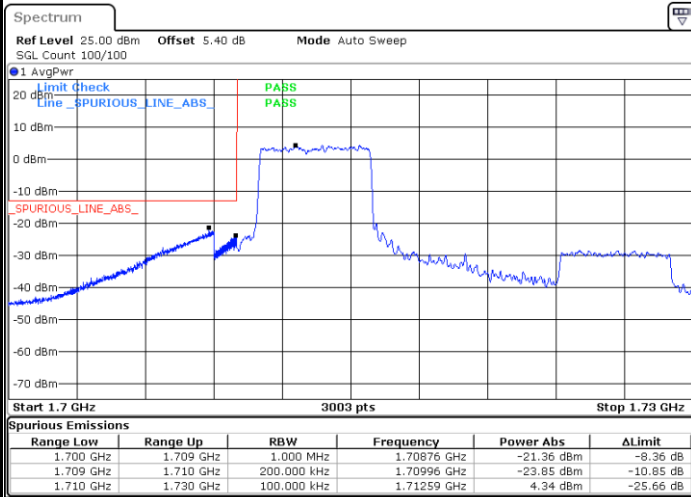
Date: 17.JAN.2023 15:49:08

Highest Band Edge / 1 RB



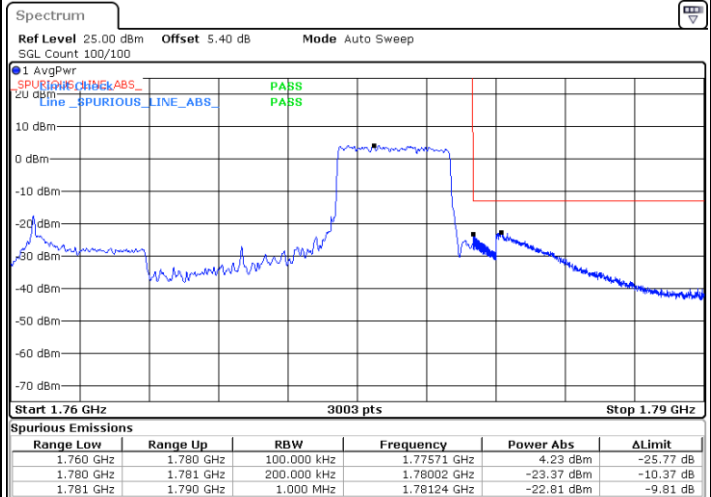
Date: 17.JAN.2023 15:56:11

Lowest Band Edge / Full RB



Date: 17.JAN.2023 15:46:53

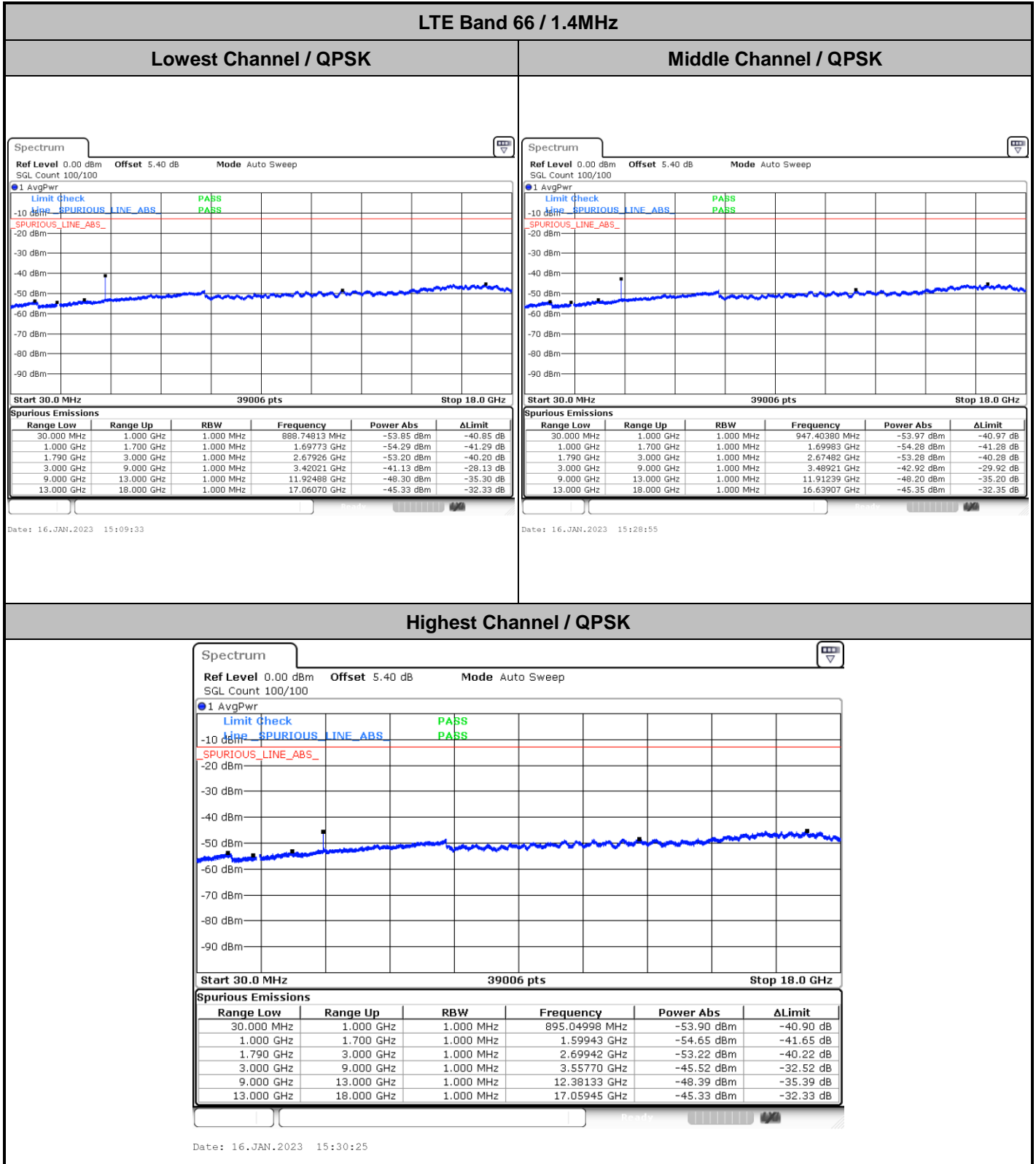
Highest Band Edge / Full RB



Date: 17.JAN.2023 15:53:41



Conducted Spurious Emission

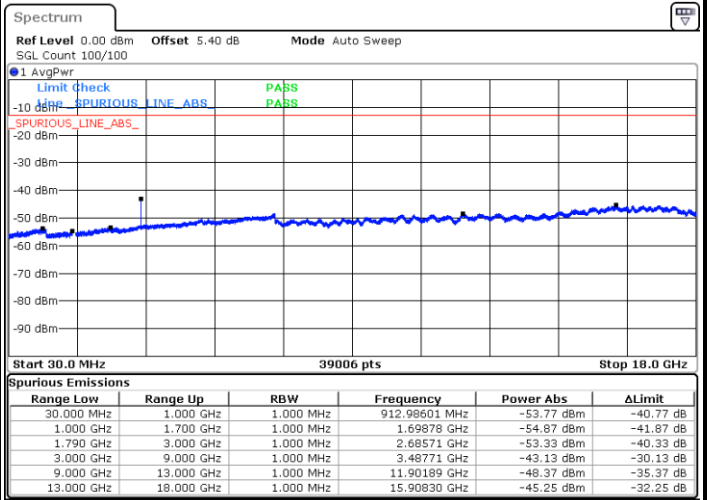
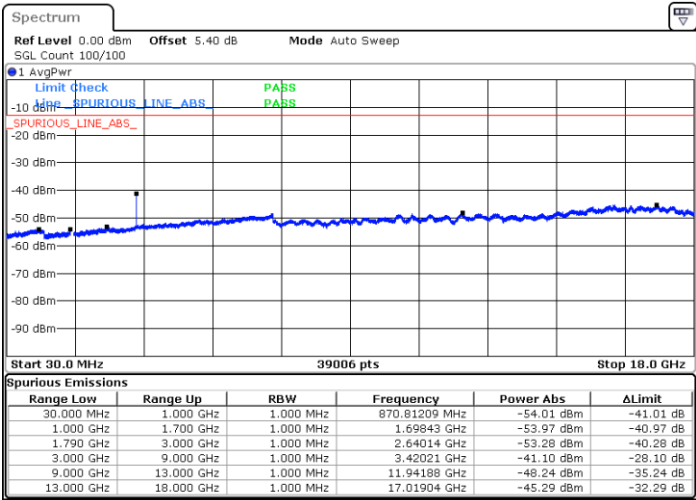




LTE Band 66 / 3MHz

Lowest Channel / QPSK

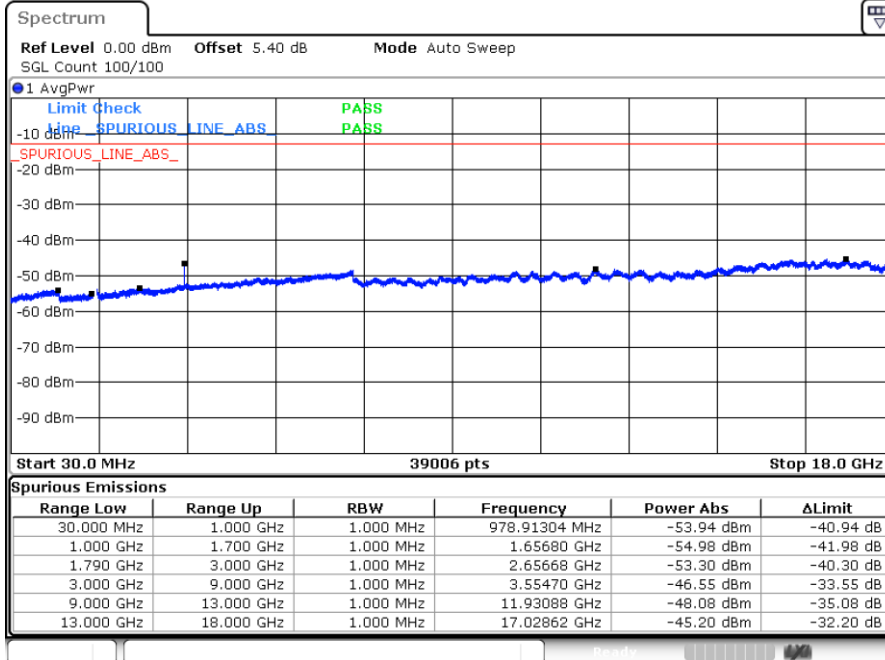
Middle Channel / QPSK



Date: 16.JAN.2023 15:23:58

Date: 16.JAN.2023 15:25:24

Highest Channel / QPSK



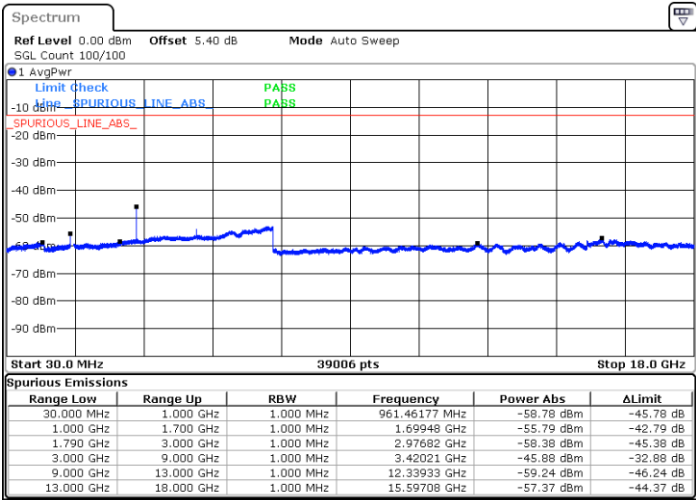
Date: 16.JAN.2023 15:26:56



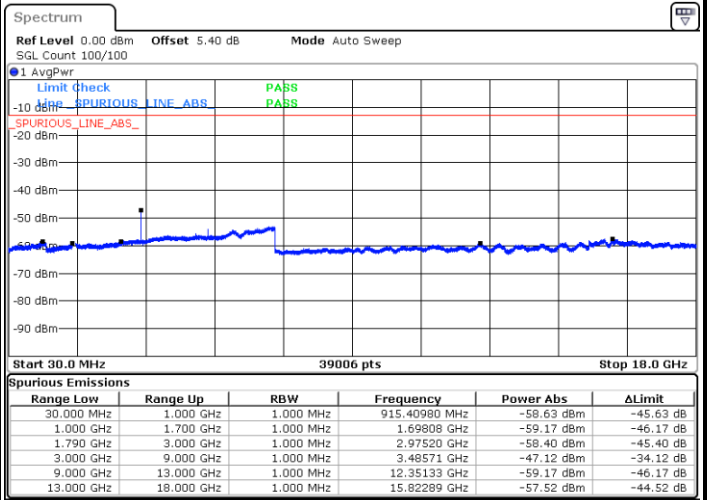
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

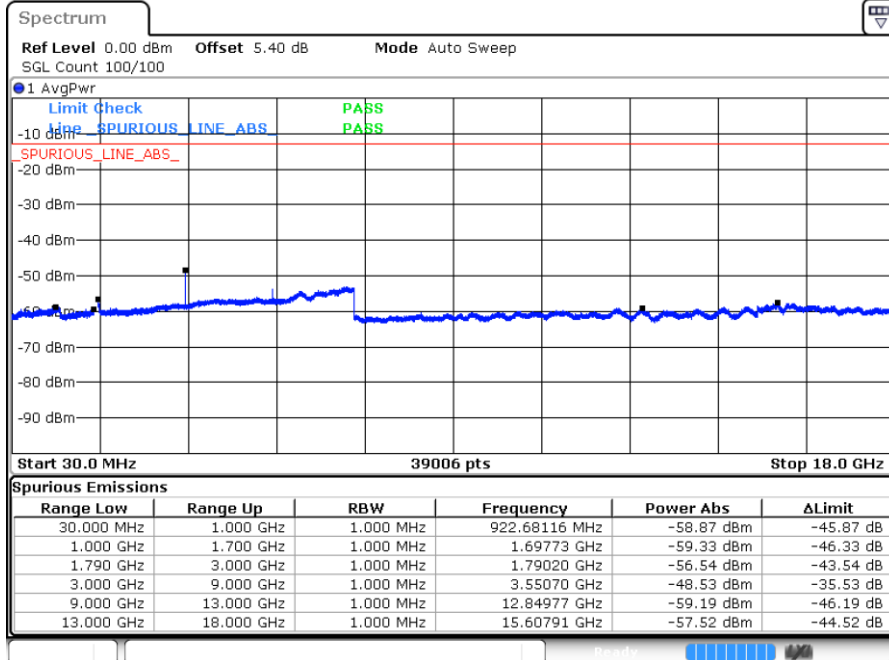


Date: 17.JAN.2023 08:18:22



Date: 17.JAN.2023 08:20:16

Highest Channel / QPSK



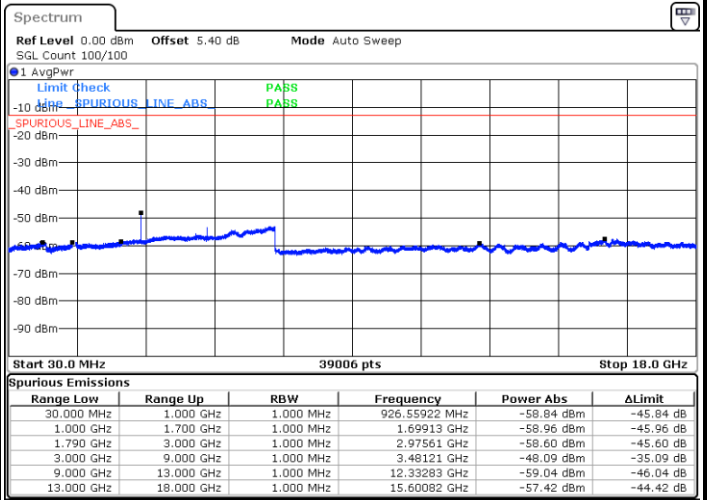
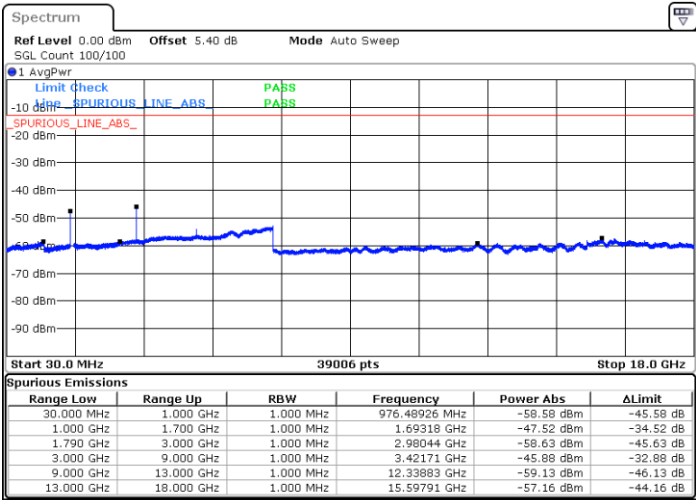
Date: 17.JAN.2023 08:21:41



LTE Band 66 / 10MHz

Lowest Channel / QPSK

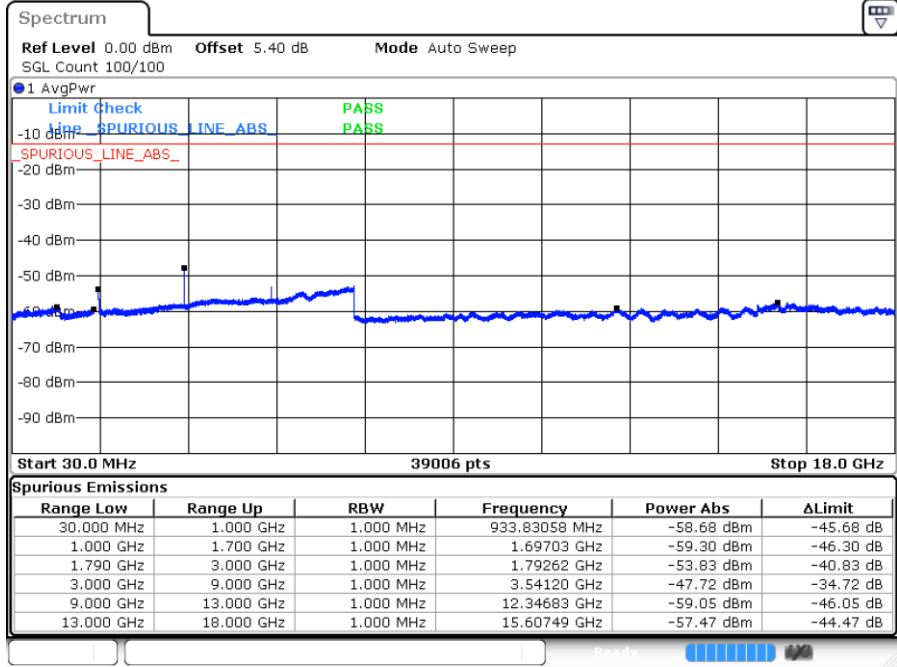
Middle Channel / QPSK



Date: 17.JAN.2023 07:59:52

Date: 17.JAN.2023 08:01:18

Highest Channel / QPSK



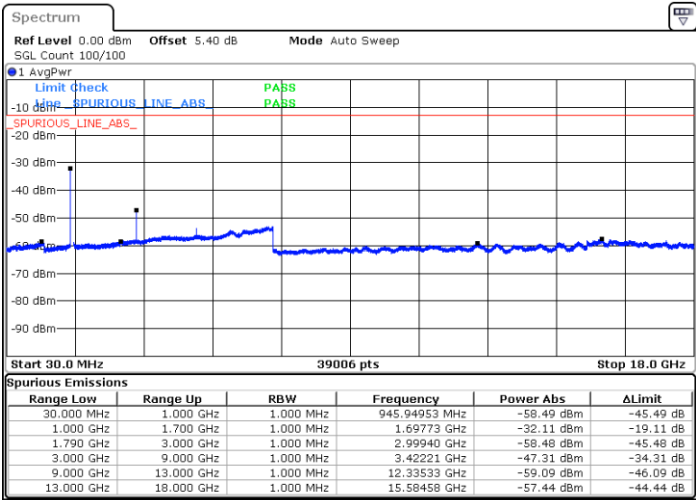
Date: 17.JAN.2023 08:02:47



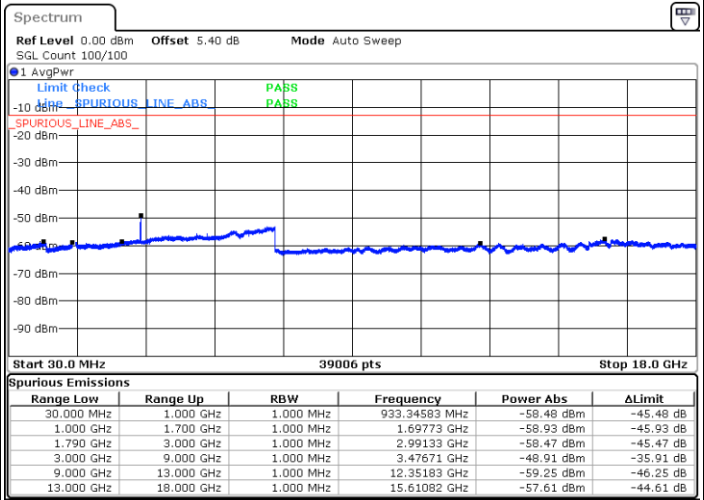
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

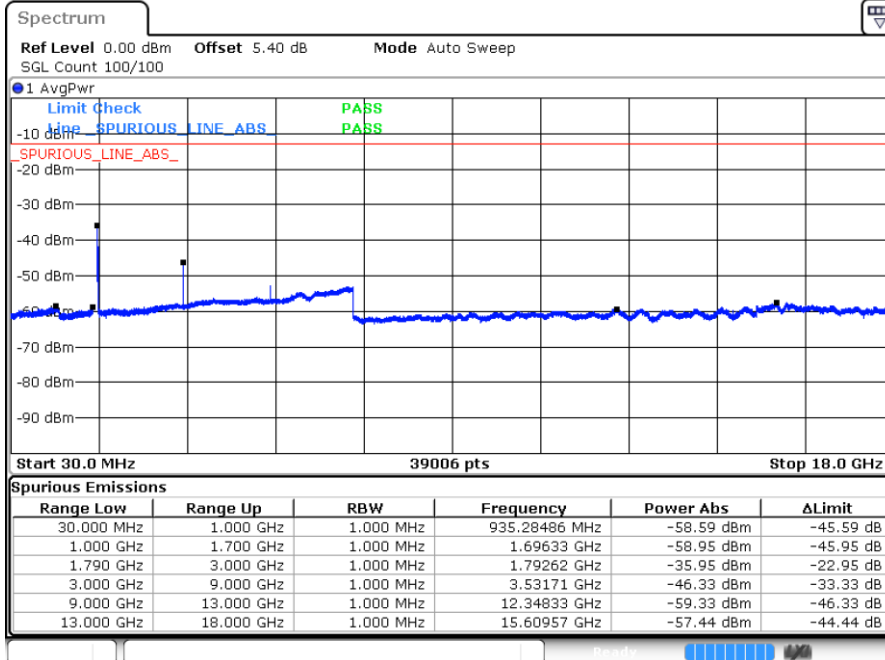


Date: 17.JAN.2023 09:13:21



Date: 17.JAN.2023 09:14:58

Highest Channel / QPSK



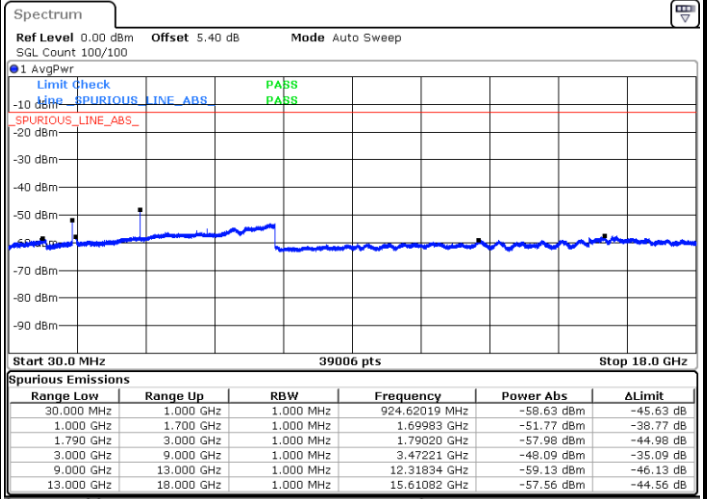
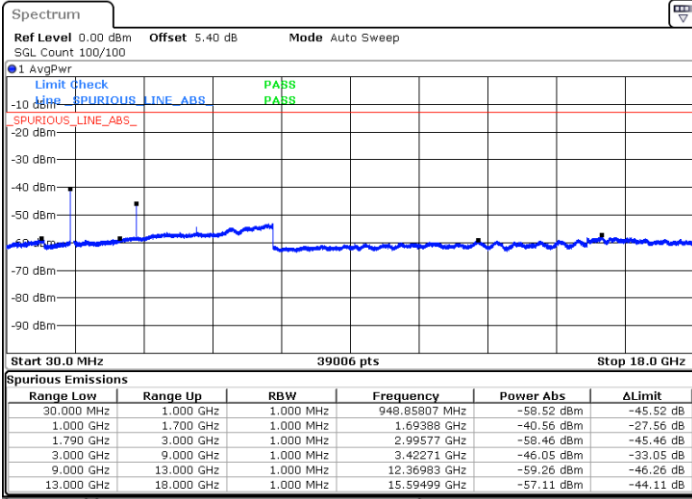
Date: 17.JAN.2023 09:16:26



LTE Band 66 / 20MHz

Lowest Channel / QPSK

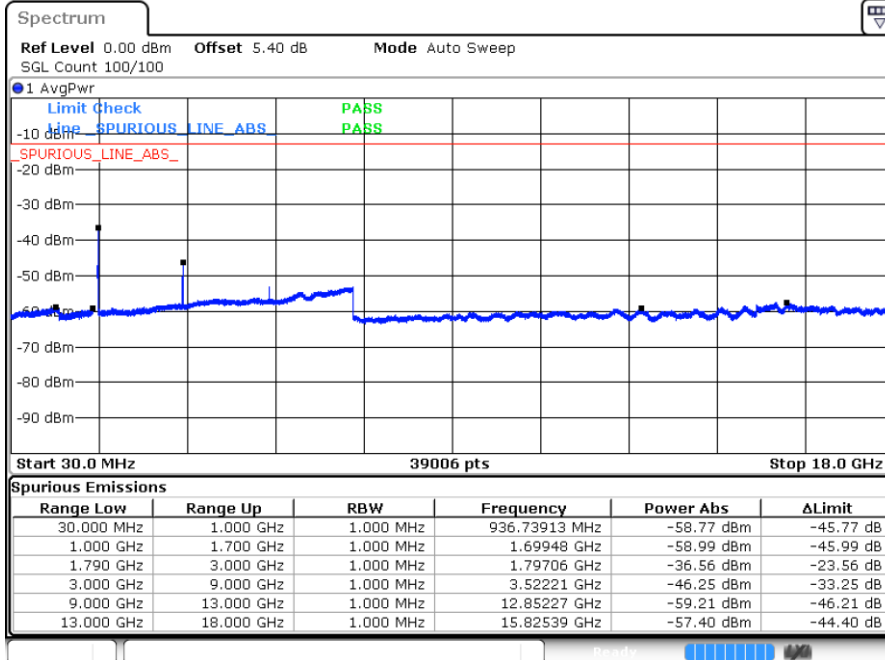
Middle Channel / QPSK



Date: 17.JAN.2023 16:53:18

Date: 17.JAN.2023 16:54:45

Highest Channel / QPSK



Date: 17.JAN.2023 16:56:14



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0003	
20	End Point	0.0017	

Note:

1. Normal Voltage =3.8 V. ; End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 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 :	Carry Xu	Temperature :	22~23°C
		Relative Humidity :	40~42%

LTE Band 2 / 20MHz / QPSK								
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	3741	-58.05	-13	-45.05	-70.31	2.64	14.90	H
	5613	-54.80	-13	-41.80	-66.66	2.94	14.80	H
	7488	-52.44	-13	-39.44	-62.21	3.39	13.16	H
	3741	-58.19	-13	-45.19	-70.45	2.64	14.90	V
	5613	-55.04	-13	-42.04	-66.90	2.94	14.80	V
	7488	-52.38	-13	-39.38	-62.15	3.39	13.16	V

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

LTE Band 25 / 20MHz / QPSK								
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	3735	-56.31	-13	-43.31	-68.57	2.64	14.90	H
	5610	-53.66	-13	-40.66	-65.52	2.94	14.80	H
	7485	-50.91	-13	-37.91	-60.68	3.39	13.16	H
	3735	-56.30	-13	-43.30	-68.56	2.64	14.90	V
	5610	-53.72	-13	-40.72	-65.58	2.94	14.80	V
	7485	-50.76	-13	-37.76	-60.53	3.39	13.16	V

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

LTE Band 26 / 15MHz / QPSK								
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	1656	-63.57	-13	-50.57	-70.54	1.58	10.70	H
	2489.25	-60.60	-13	-47.60	-68.85	2.102	12.50	H
	3319	-58.72	-13	-45.72	-67.61	2.856	13.90	H
	1656	-63.21	-13	-50.21	-70.18	1.58	10.70	V
	2489.25	-59.39	-13	-46.39	-67.64	2.10	12.50	V
	3319	-58.66	-13	-45.66	-67.55	2.86	13.90	V

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



LTE Band 66 / 20MHz / QPSK								
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	3471	-58.37	-13	-45.37	-69.11	2.604	13.34	H
	5208	-54.67	-13	-41.67	-65.18	3.011	13.52	H
	6948	-52.56	-13	-39.56	-62.76	3.271	13.47	H
	3471	-58.04	-13	-45.04	-68.78	2.604	13.34	V
	5208	-54.64	-13	-41.64	-65.15	3.011	13.52	V
	6948	-52.22	-13	-39.22	-62.42	3.271	13.47	V

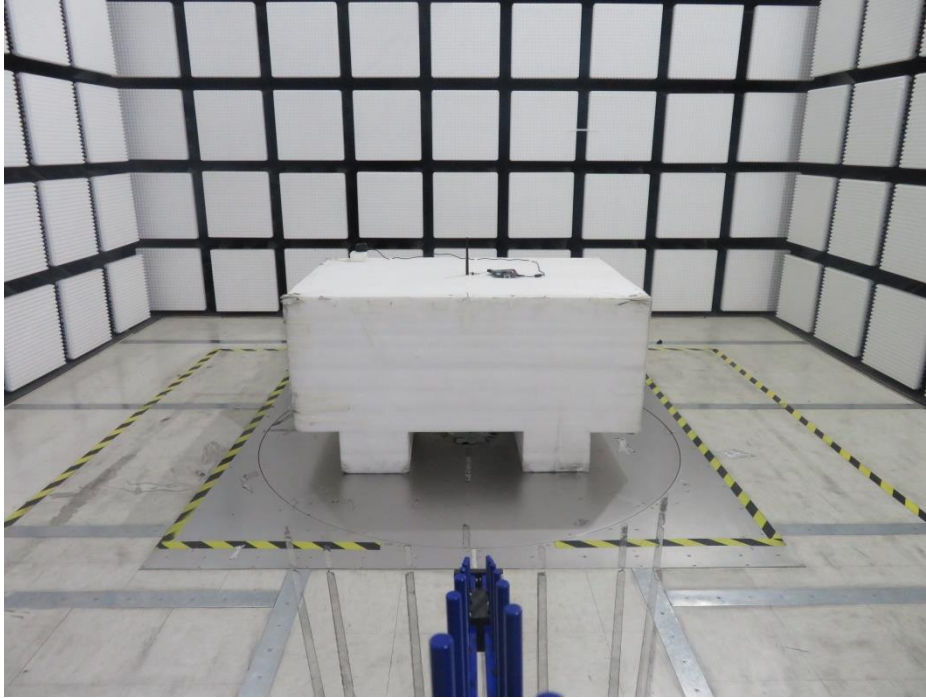
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Appendix C. Setup Photographs

<Radiated Emission>

Y Plane

LF



HF

