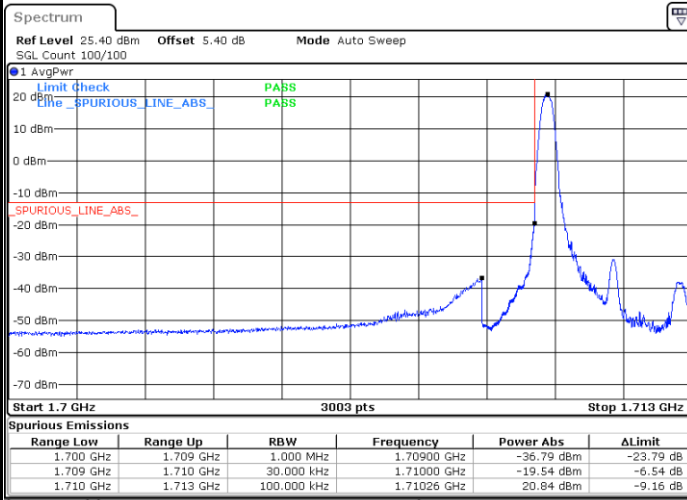




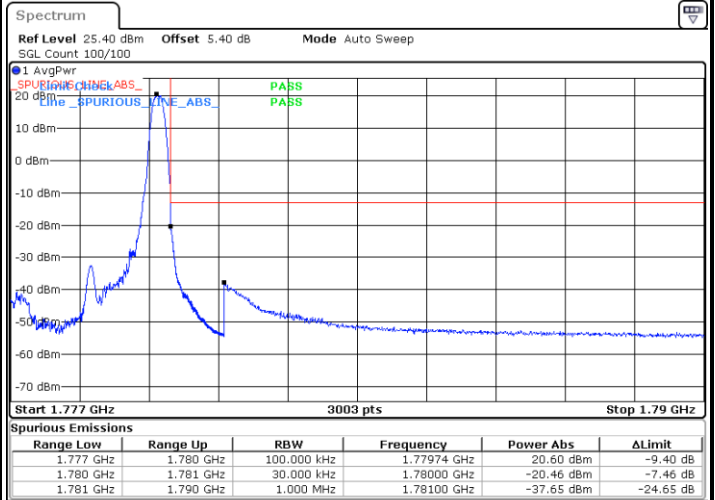
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



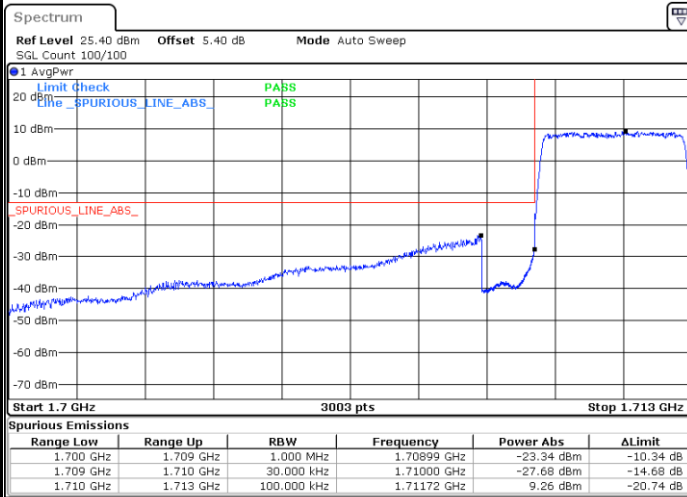
Date: 31.JAN.2022 19:13:11

Highest Band Edge / 1 RB



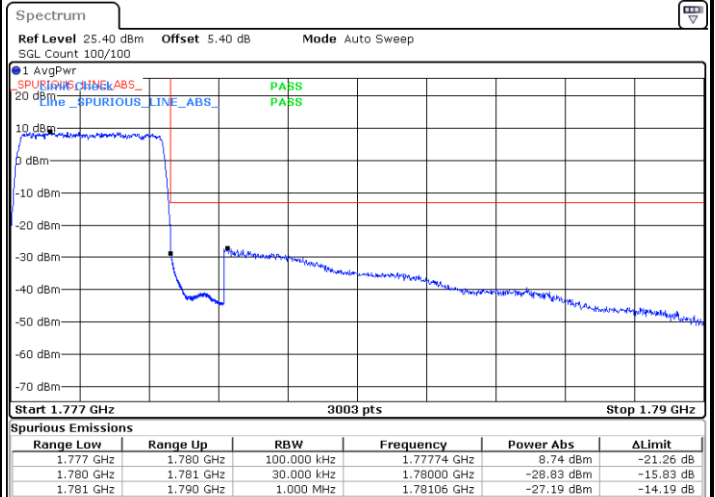
Date: 31.JAN.2022 19:21:52

Lowest Band Edge / Full RB



Date: 31.JAN.2022 19:15:51

Highest Band Edge / Full RB

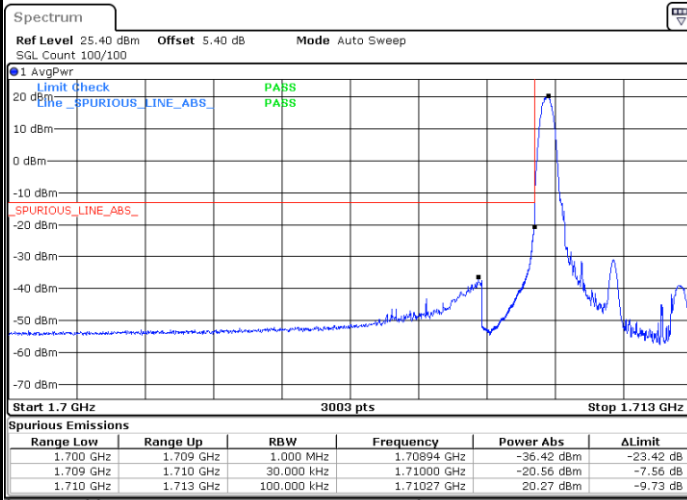


Date: 31.JAN.2022 19:24:32



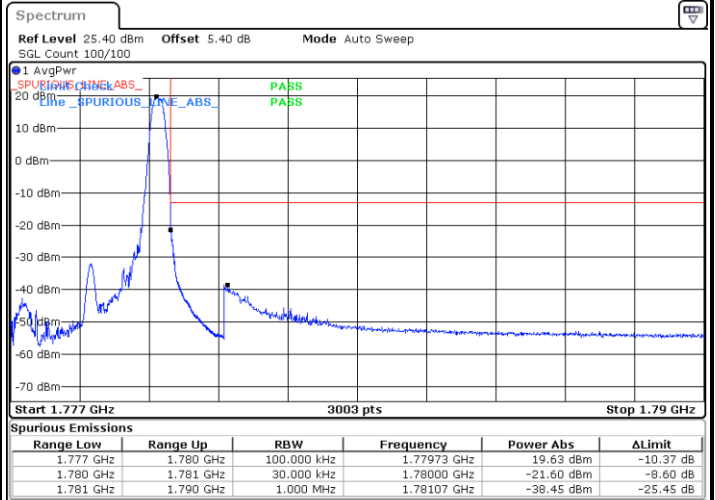
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



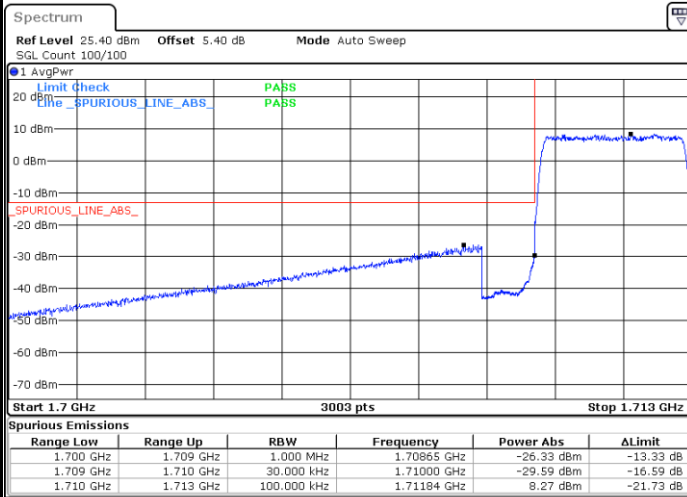
Date: 31.JAN.2022 19:14:31

Highest Band Edge / 1 RB



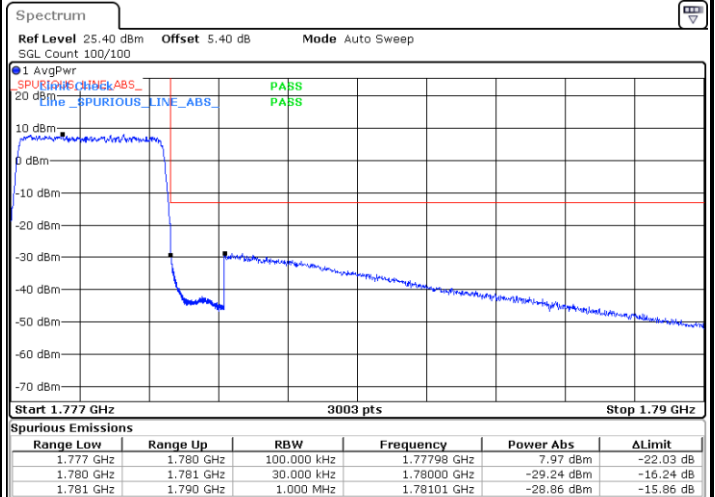
Date: 31.JAN.2022 19:23:12

Lowest Band Edge / Full RB



Date: 31.JAN.2022 19:17:11

Highest Band Edge / Full RB

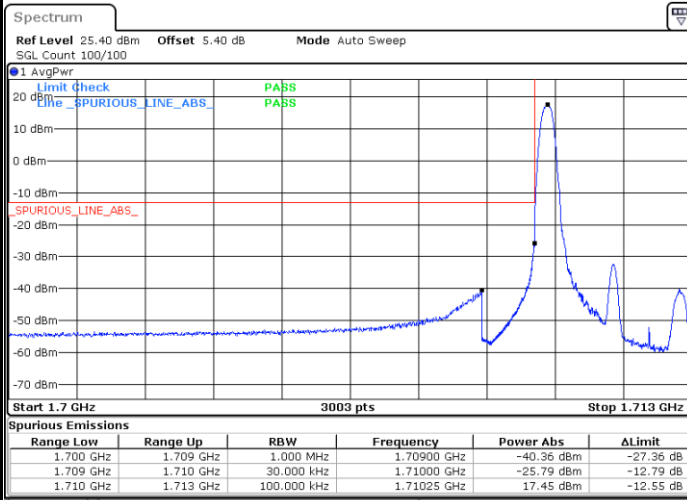


Date: 31.JAN.2022 19:25:52

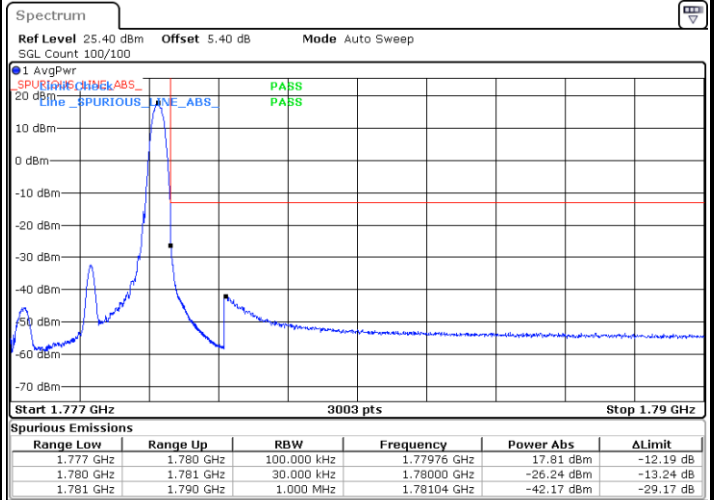


LTE Band 66 / 3MHz / 64QAM

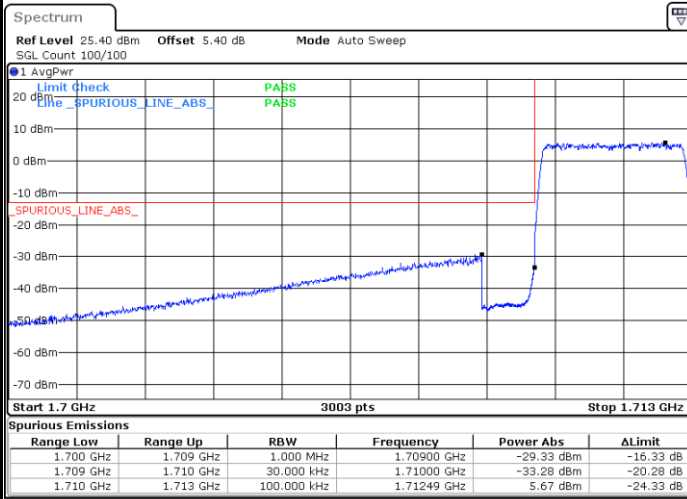
Lowest Band Edge / 1 RB



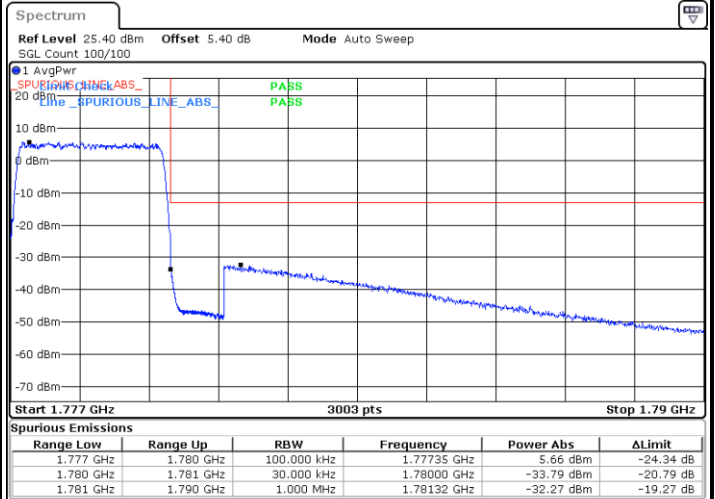
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



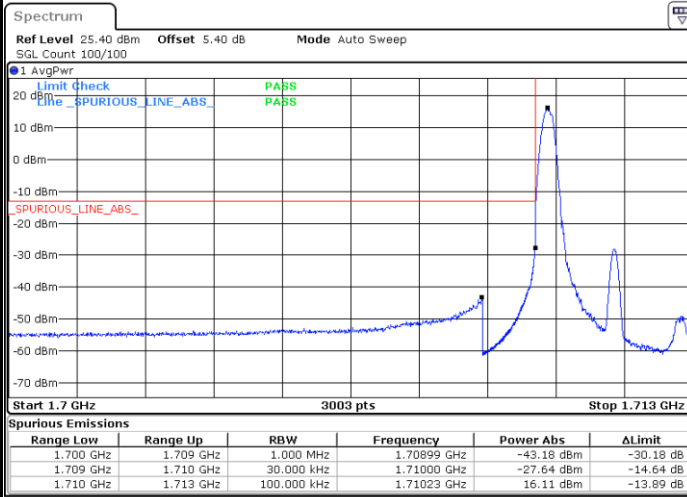
Highest Band Edge / Full RB





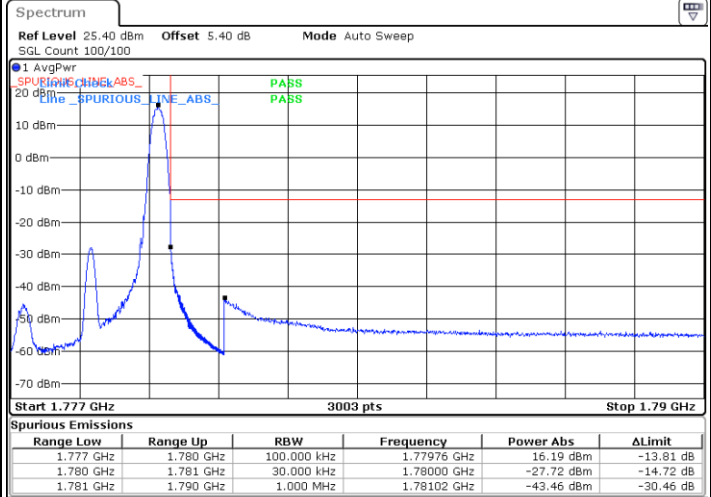
LTE Band 66 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



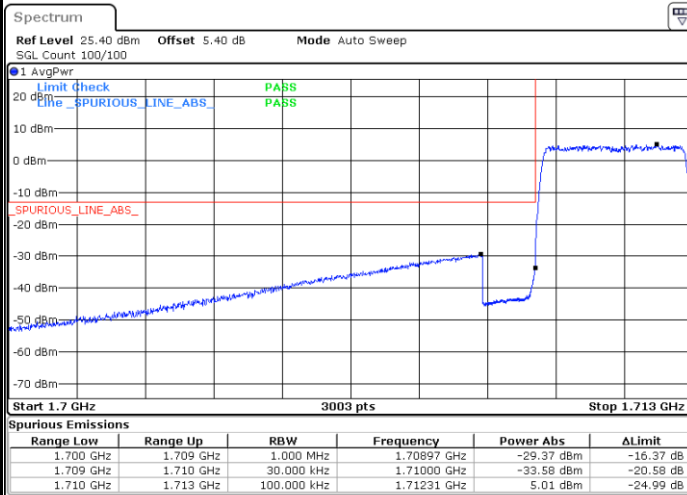
Date: 19.MAR.2022 16:56:39

Highest Band Edge / 1 RB



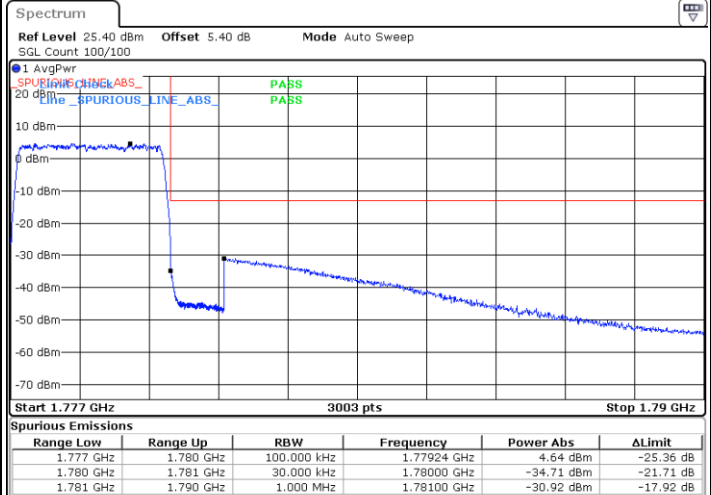
Date: 19.MAR.2022 16:59:04

Lowest Band Edge / Full RB



Date: 19.MAR.2022 16:57:38

Highest Band Edge / Full RB

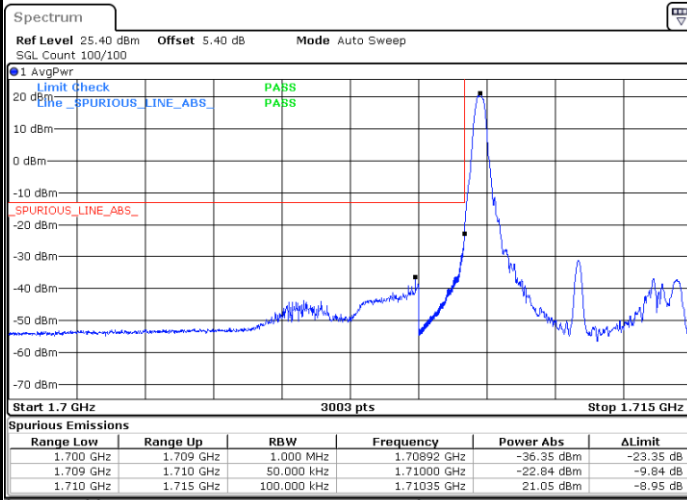


Date: 19.MAR.2022 16:59:57



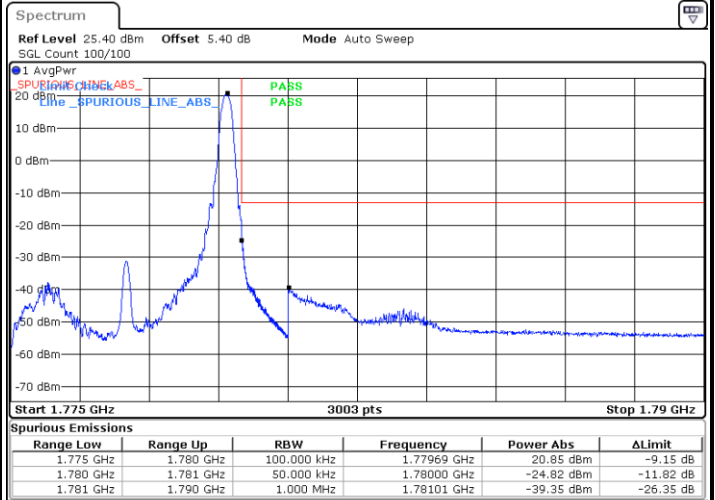
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



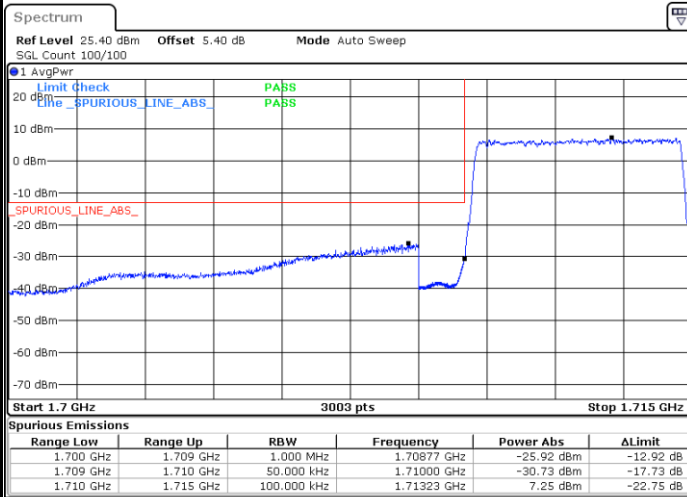
Date: 31.JAN.2022 19:28:54

Highest Band Edge / 1 RB



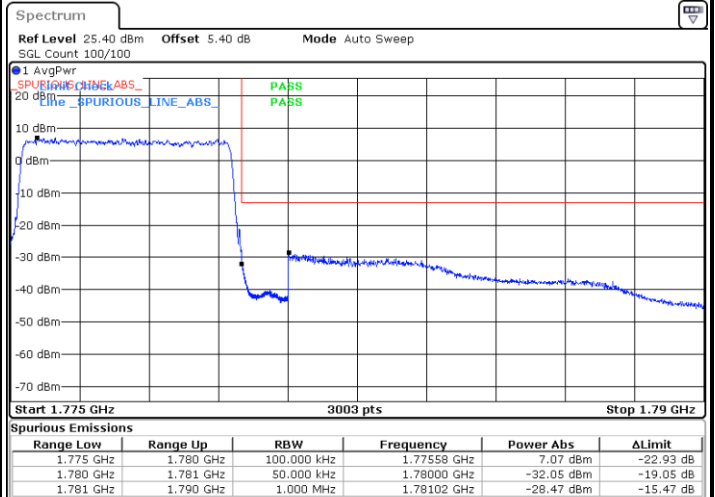
Date: 31.JAN.2022 19:37:35

Lowest Band Edge / Full RB



Date: 31.JAN.2022 19:31:34

Highest Band Edge / Full RB

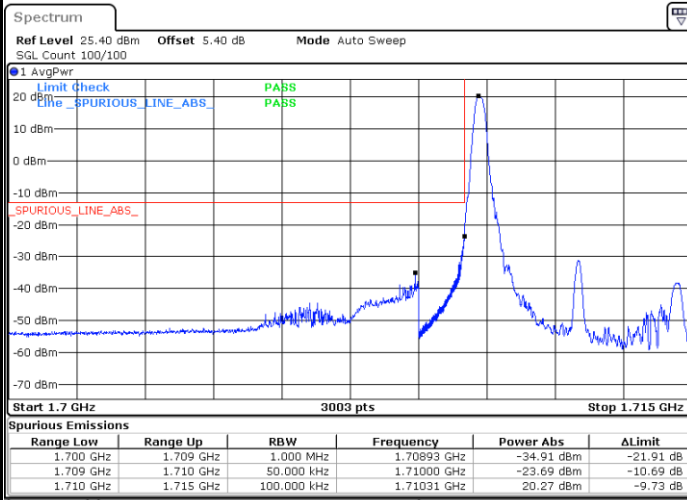


Date: 31.JAN.2022 19:40:16



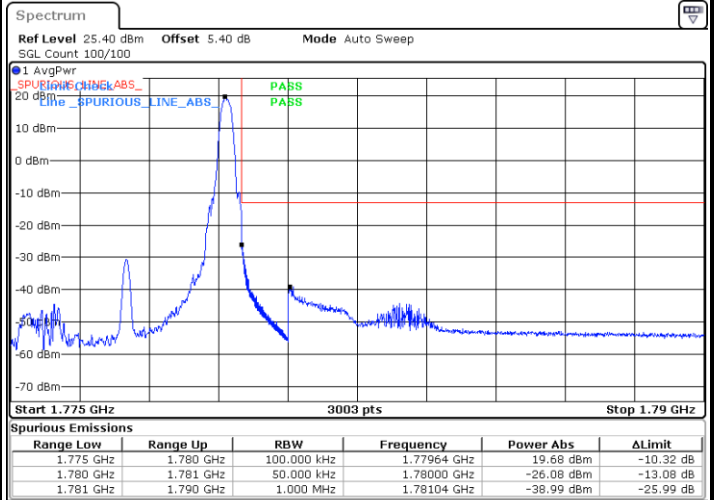
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



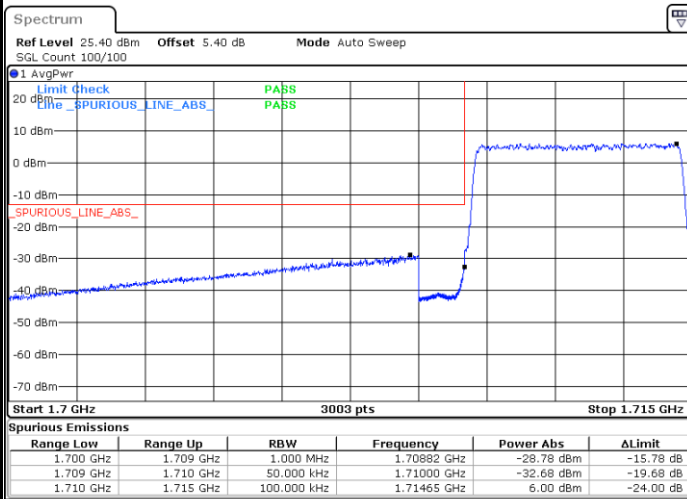
Date: 31.JAN.2022 19:30:14

Highest Band Edge / 1 RB



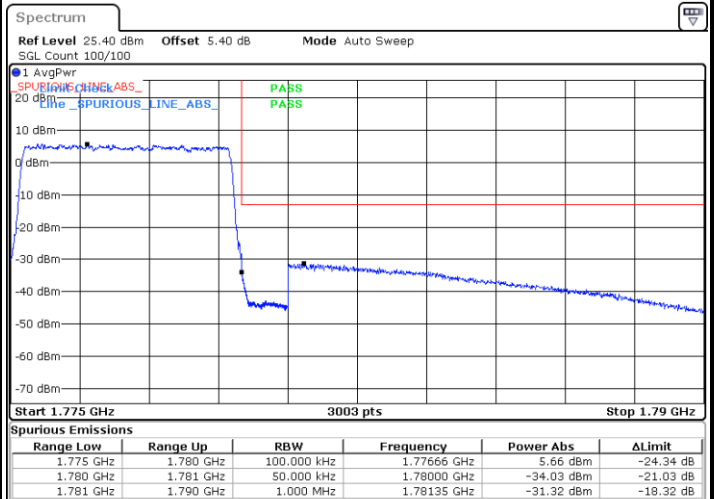
Date: 31.JAN.2022 19:38:56

Lowest Band Edge / Full RB



Date: 31.JAN.2022 19:32:54

Highest Band Edge / Full RB

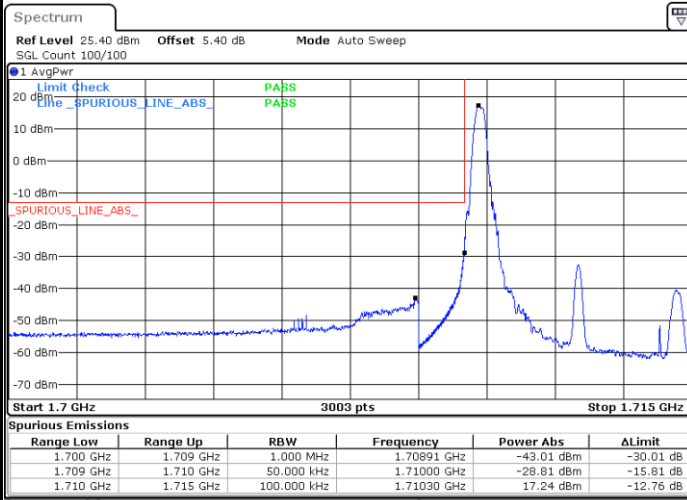


Date: 31.JAN.2022 19:41:36



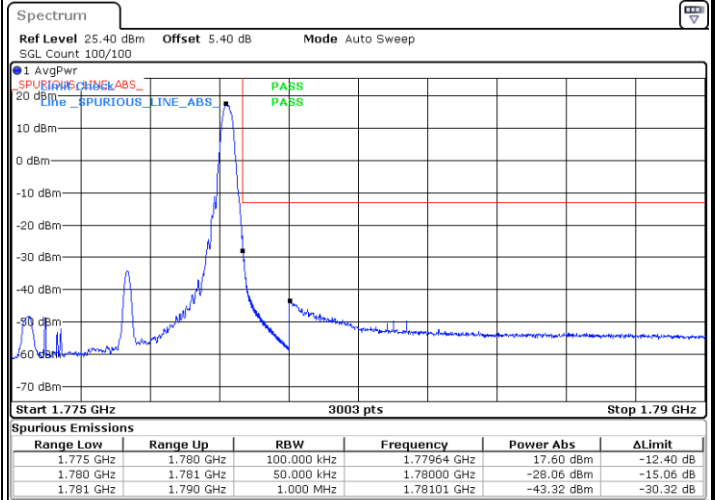
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1RB



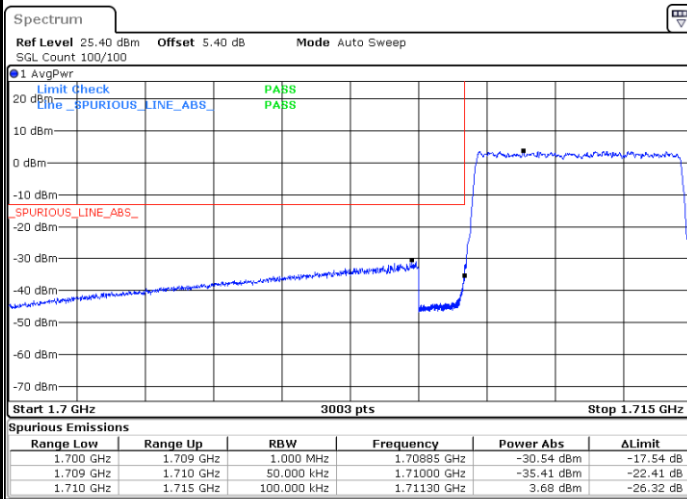
Date: 31.JAN.2022 20:42:33

Highest Band Edge / 1 RB



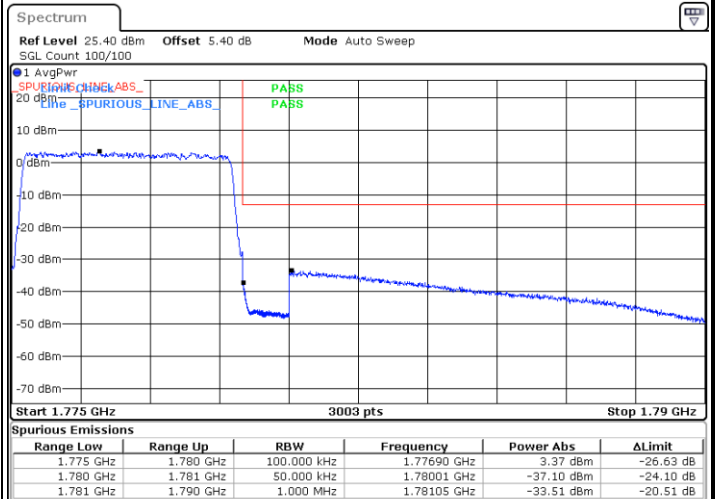
Date: 31.JAN.2022 20:46:33

Lowest Band Edge / Full RB



Date: 31.JAN.2022 20:43:53

Highest Band Edge / Full RB

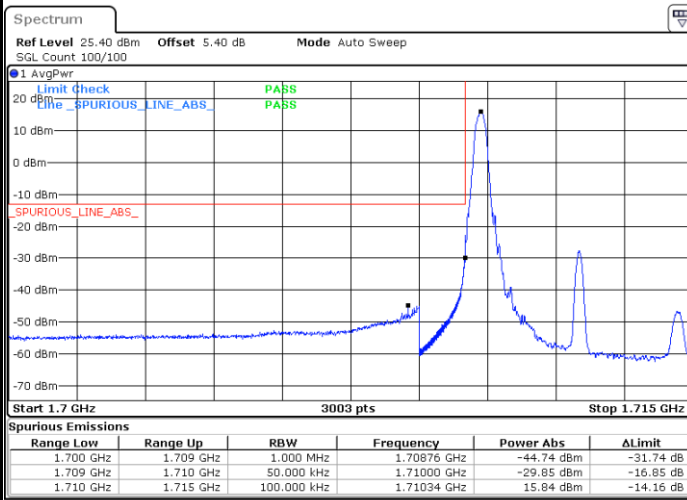


Date: 31.JAN.2022 20:45:13



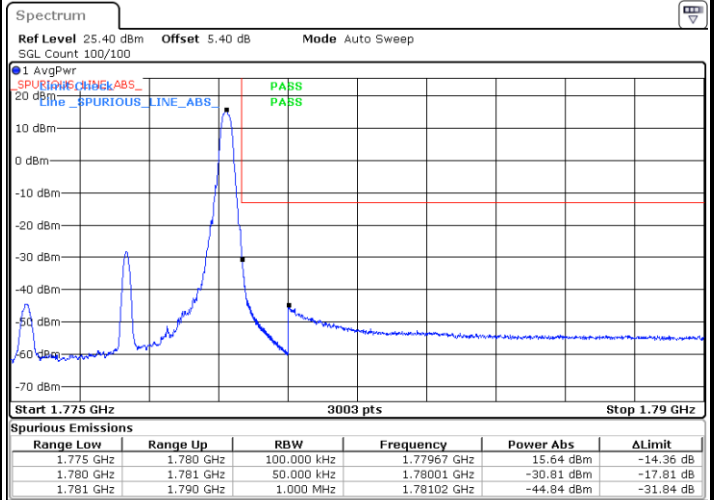
LTE Band 66 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



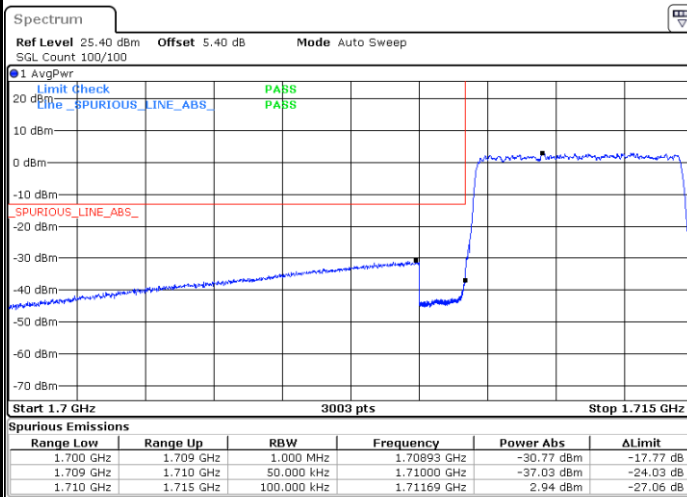
Date: 19.MAR.2022 17:00:48

Highest Band Edge / 1 RB



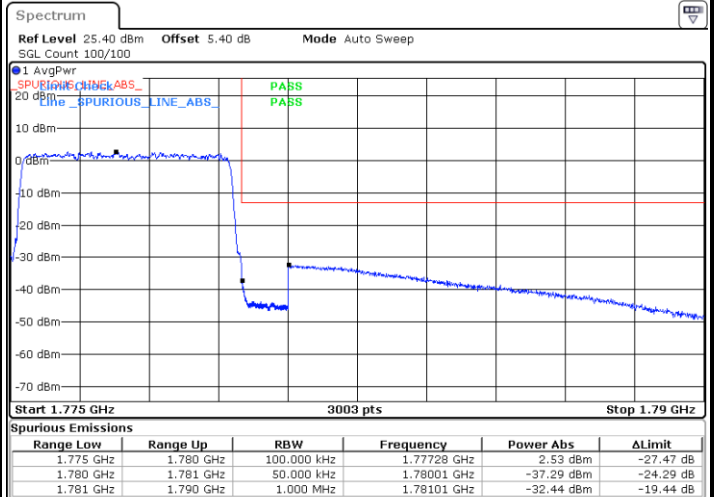
Date: 19.MAR.2022 17:02:07

Lowest Band Edge / Full RB



Date: 19.MAR.2022 17:01:20

Highest Band Edge / Full RB

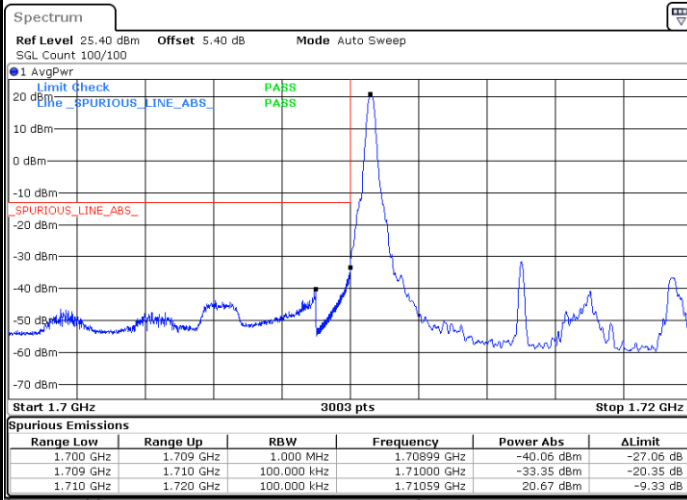


Date: 19.MAR.2022 17:02:35



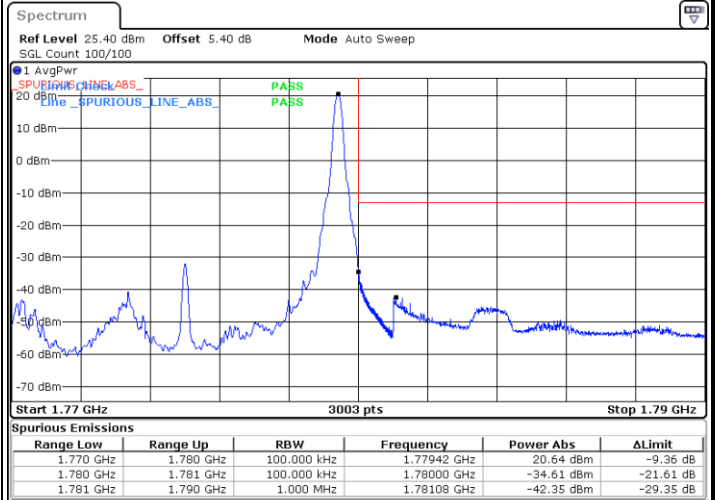
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



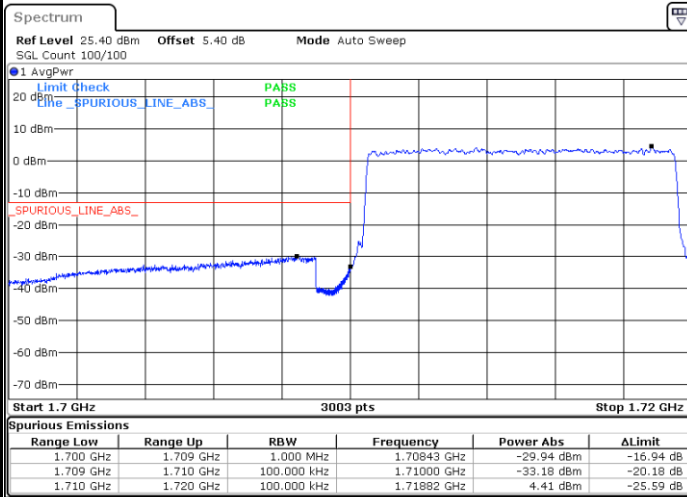
Date: 31.JAN.2022 19:44:38

Highest Band Edge / 1 RB



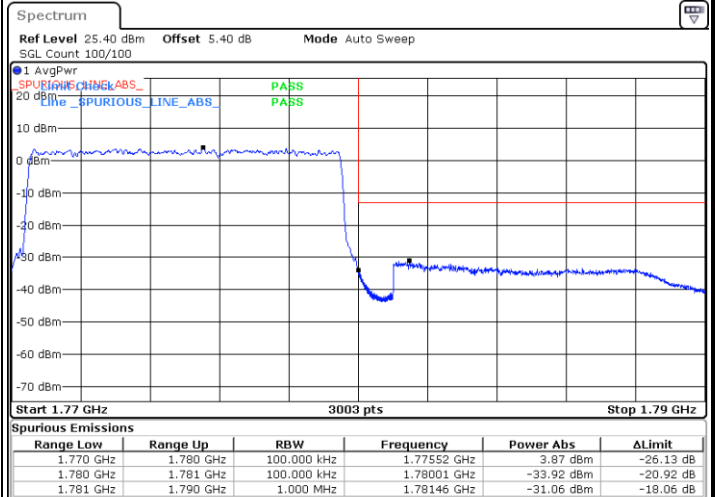
Date: 31.JAN.2022 19:53:19

Lowest Band Edge / Full RB



Date: 31.JAN.2022 19:47:18

Highest Band Edge / Full RB

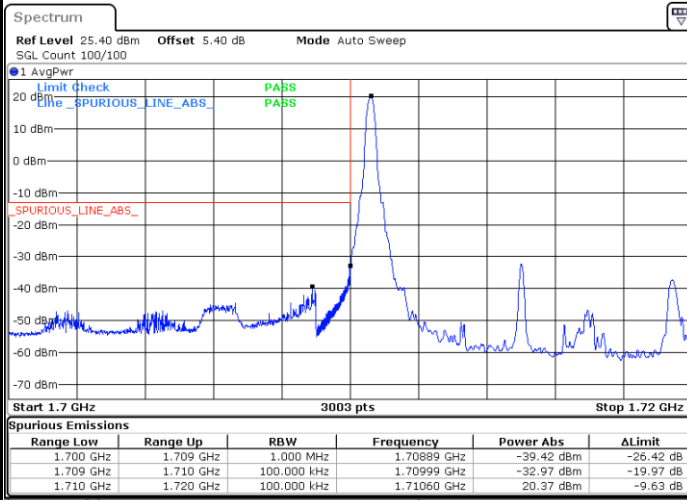


Date: 31.JAN.2022 19:55:59



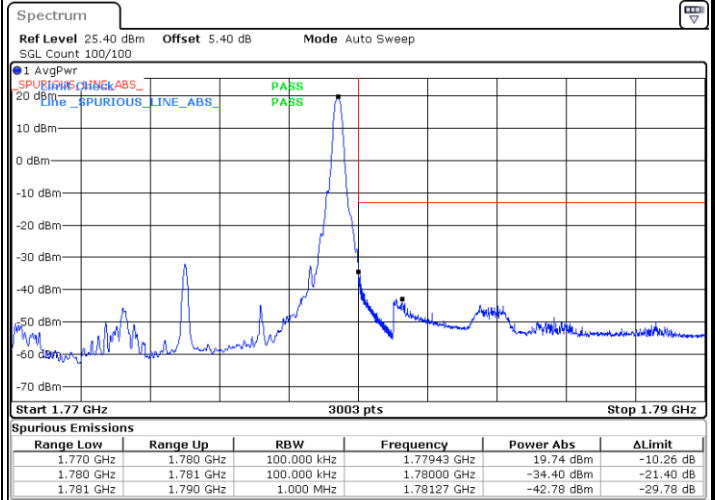
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



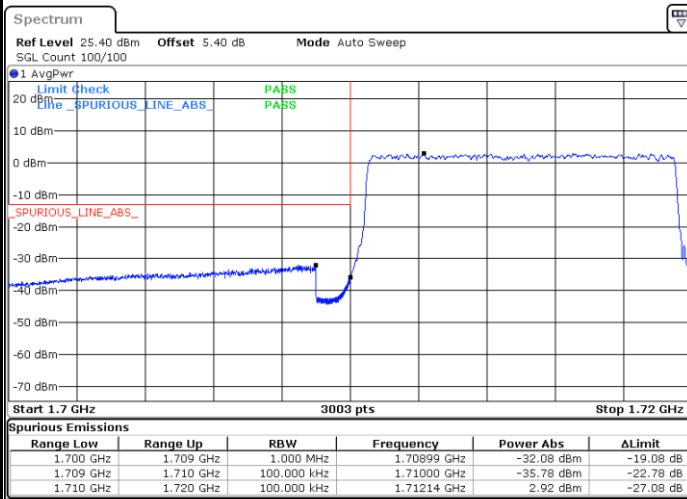
Date: 31.JAN.2022 19:45:58

Highest Band Edge / 1 RB



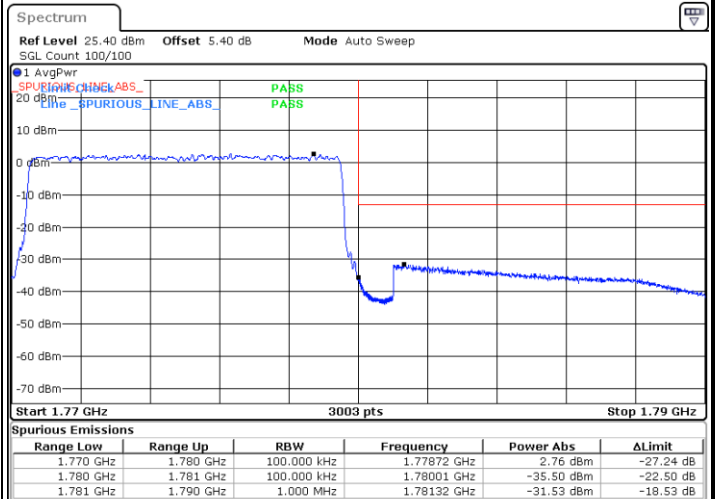
Date: 31.JAN.2022 19:54:39

Lowest Band Edge / Full RB



Date: 31.JAN.2022 19:48:38

Highest Band Edge / Full RB

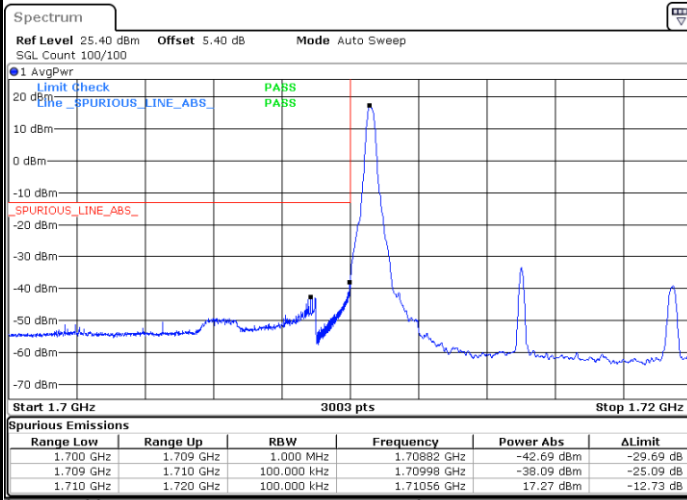


Date: 31.JAN.2022 19:57:19



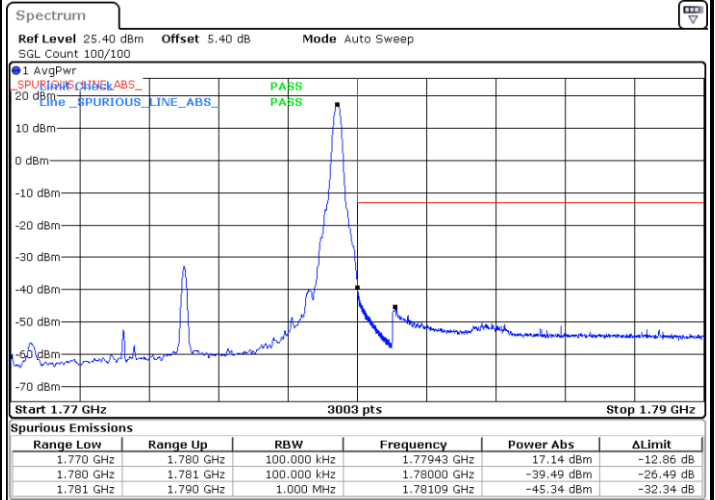
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



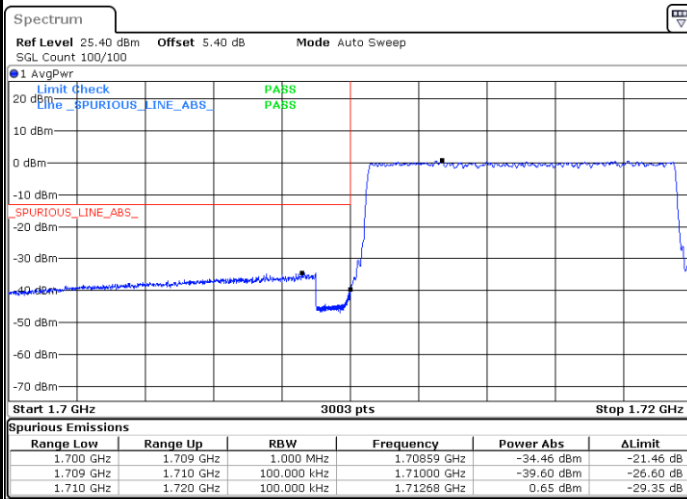
Date: 31.JAN.2022 20:47:55

Highest Band Edge / 1 RB



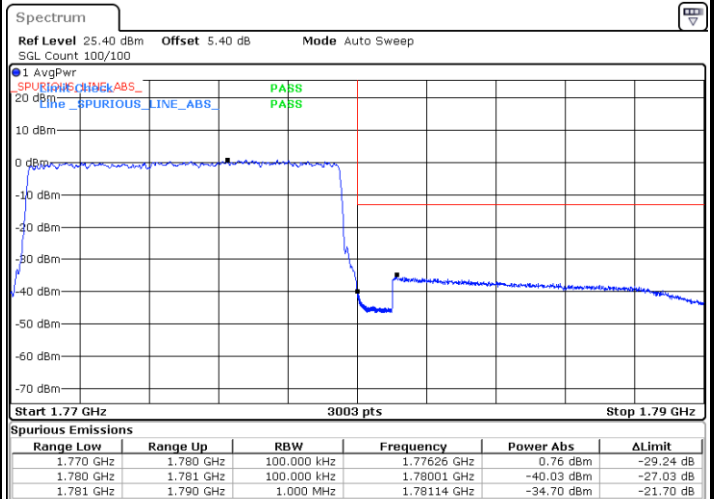
Date: 31.JAN.2022 20:51:55

Lowest Band Edge / Full RB



Date: 31.JAN.2022 20:49:15

Highest Band Edge / Full RB

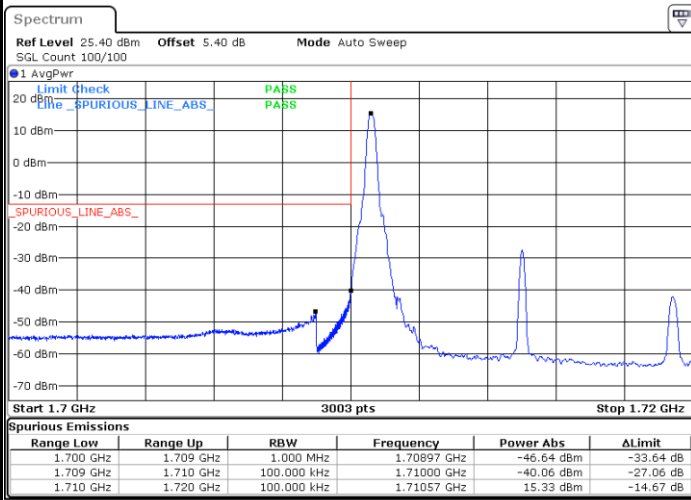


Date: 31.JAN.2022 20:50:35



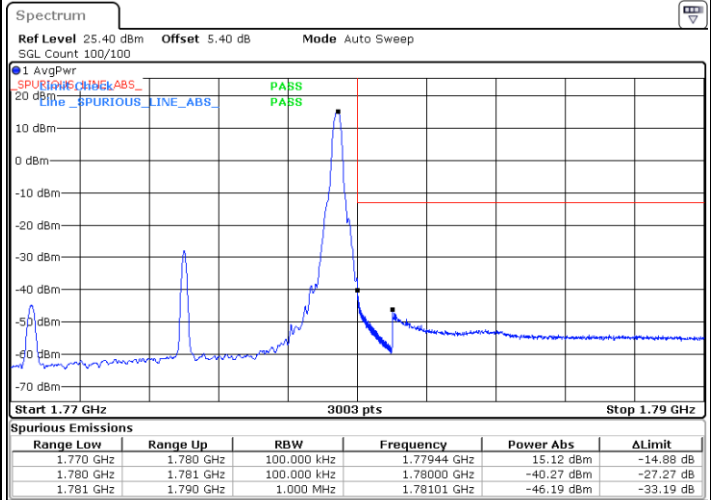
LTE Band 66 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



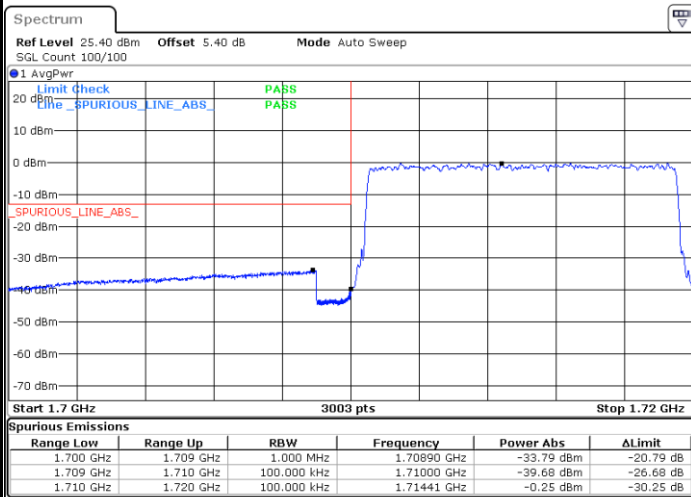
Date: 19.MAR.2022 17:03:24

Highest Band Edge / 1 RB



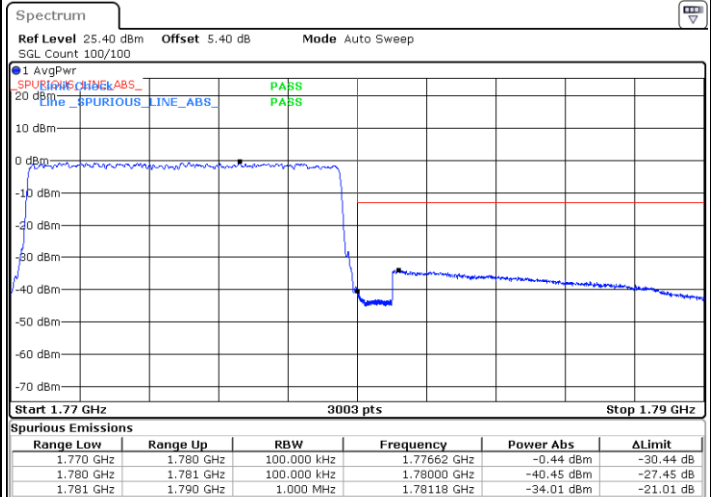
Date: 19.MAR.2022 17:18:09

Lowest Band Edge / Full RB



Date: 19.MAR.2022 17:03:53

Highest Band Edge / Full RB

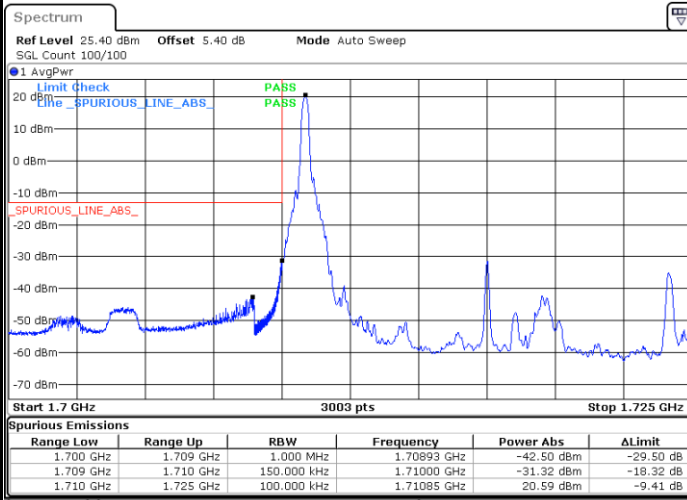


Date: 19.MAR.2022 17:18:36



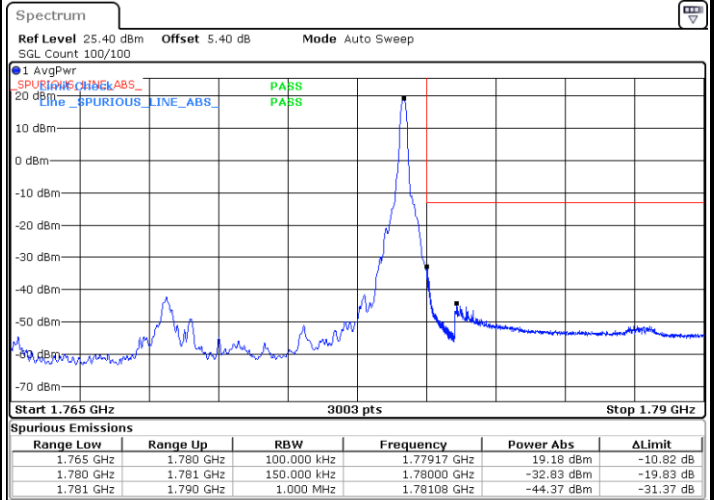
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



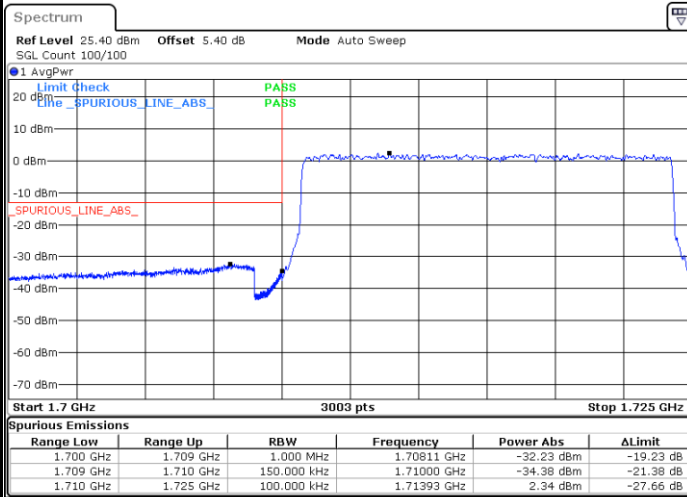
Date: 31.JAN.2022 20:00:21

Highest Band Edge / 1 RB



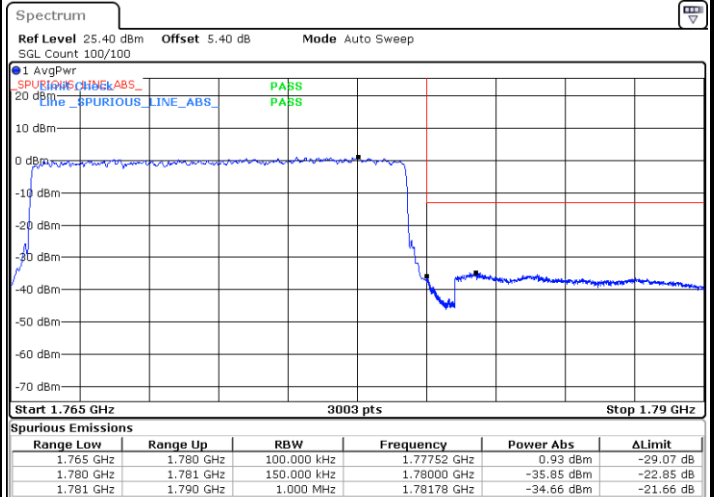
Date: 31.JAN.2022 20:09:02

Lowest Band Edge / Full RB



Date: 31.JAN.2022 20:03:01

Highest Band Edge / Full RB

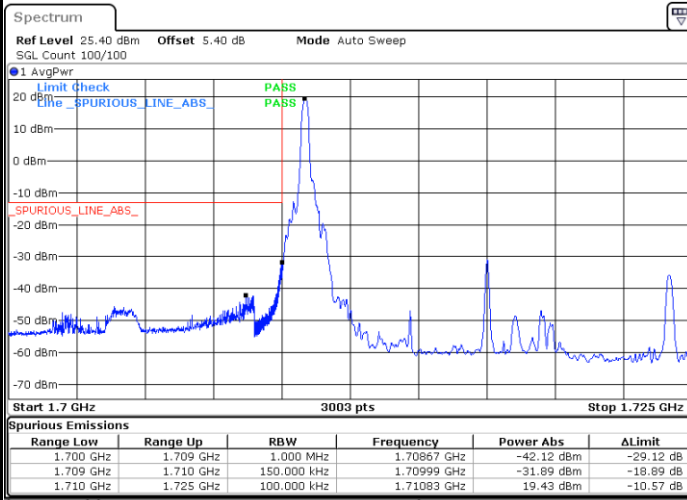


Date: 31.JAN.2022 20:11:42



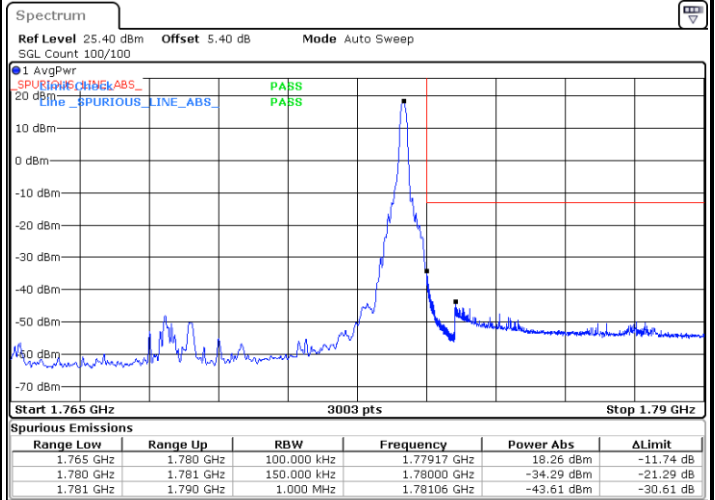
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



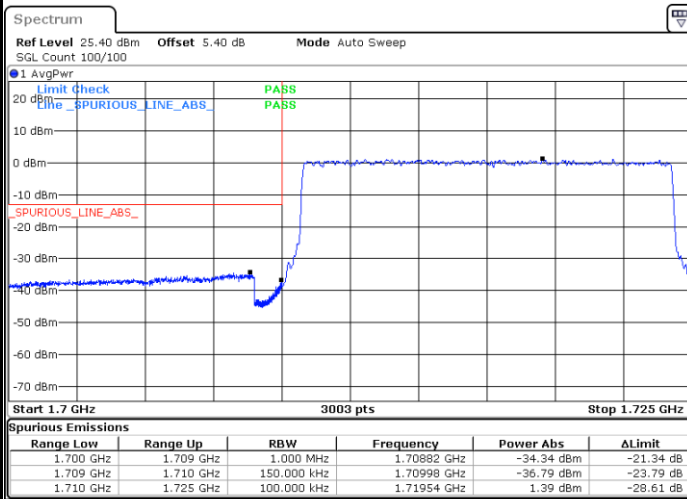
Date: 31.JAN.2022 20:01:41

Highest Band Edge / 1 RB



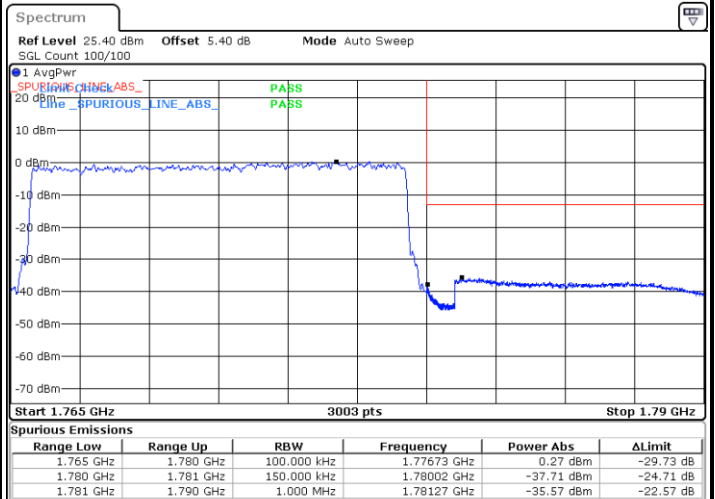
Date: 31.JAN.2022 20:10:22

Lowest Band Edge / Full RB



Date: 31.JAN.2022 20:04:21

Highest Band Edge / Full RB

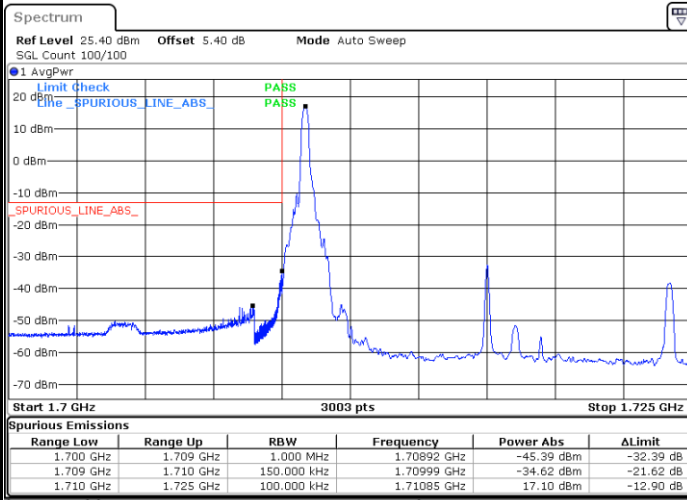


Date: 31.JAN.2022 20:13:02



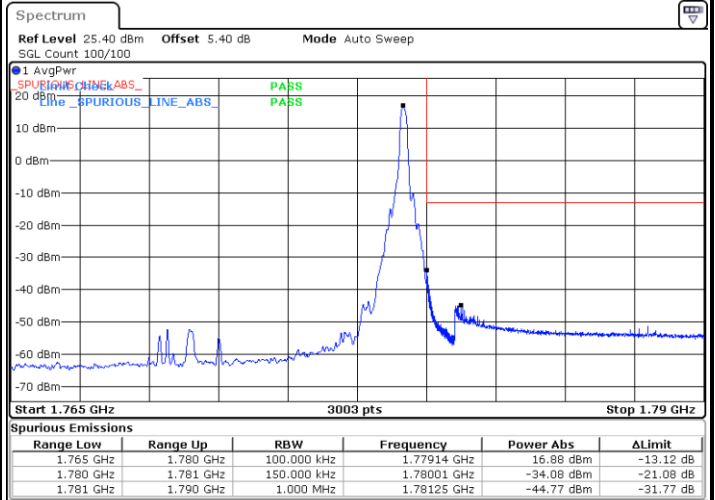
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



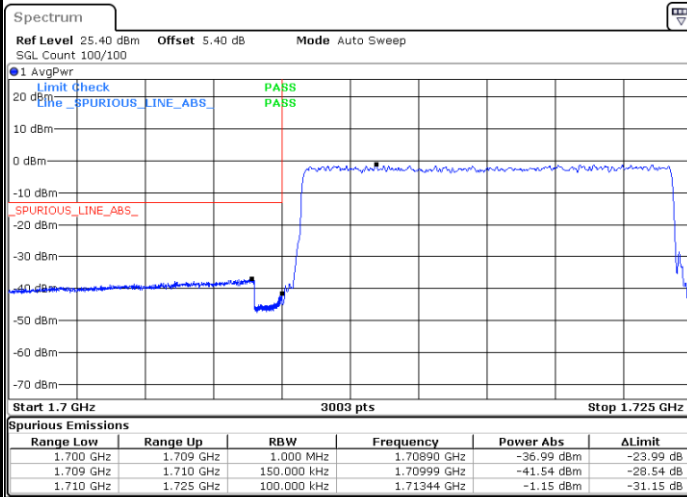
Date: 31.JAN.2022 20:53:16

Highest Band Edge / 1 RB



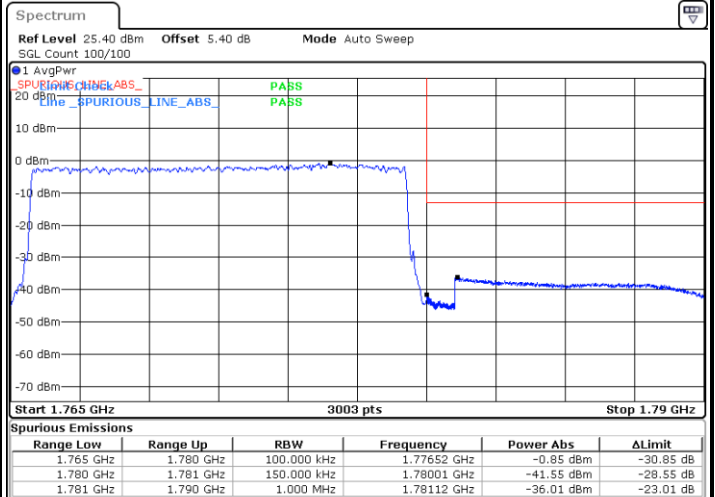
Date: 31.JAN.2022 20:57:17

Lowest Band Edge / Full RB



Date: 31.JAN.2022 20:54:36

Highest Band Edge / Full RB

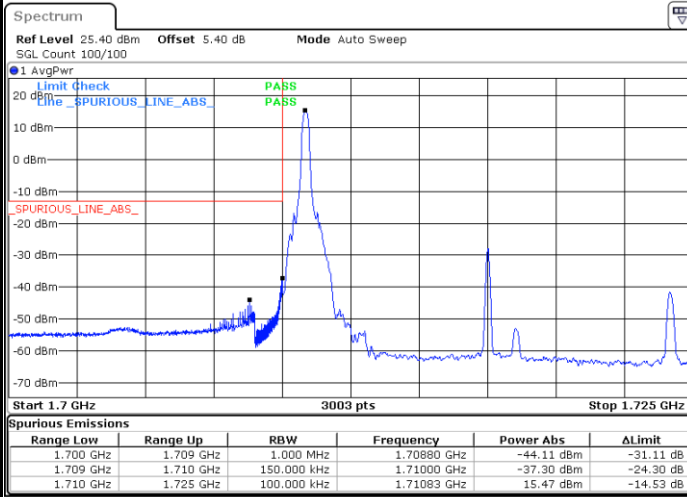


Date: 31.JAN.2022 20:55:56



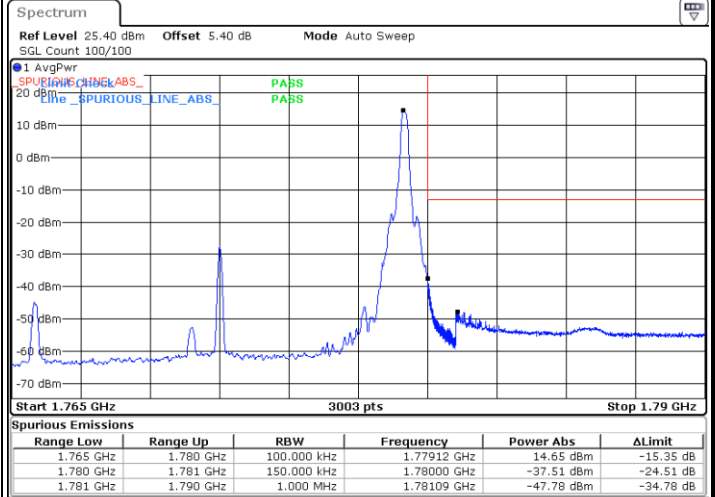
LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



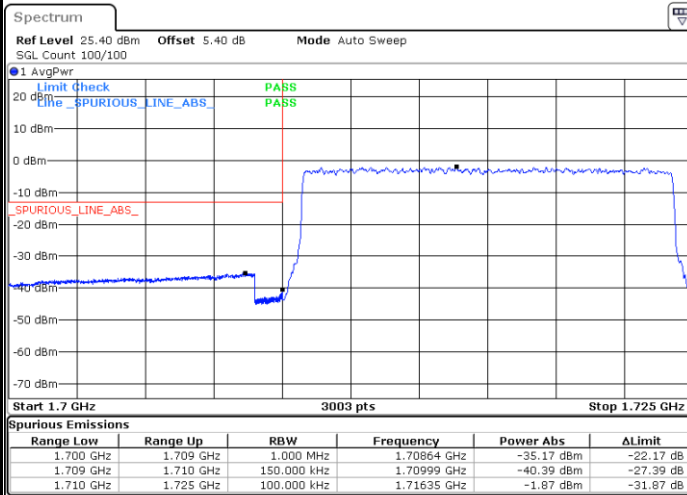
Date: 19.MAR.2022 17:19:35

Highest Band Edge / 1 RB



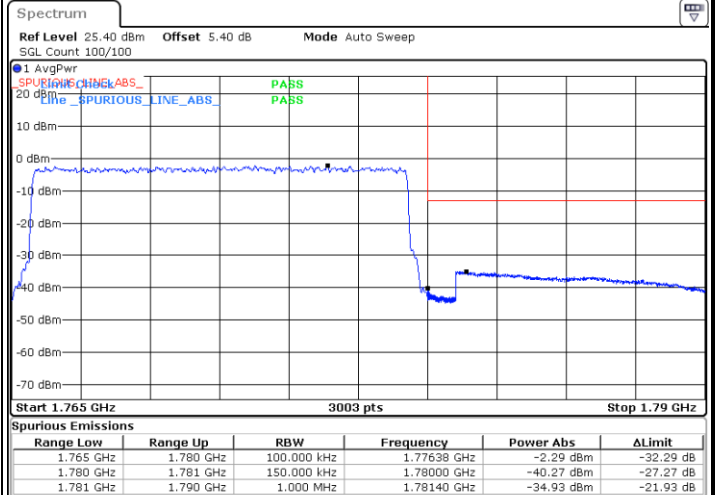
Date: 19.MAR.2022 17:20:44

Lowest Band Edge / Full RB



Date: 19.MAR.2022 17:20:00

Highest Band Edge / Full RB

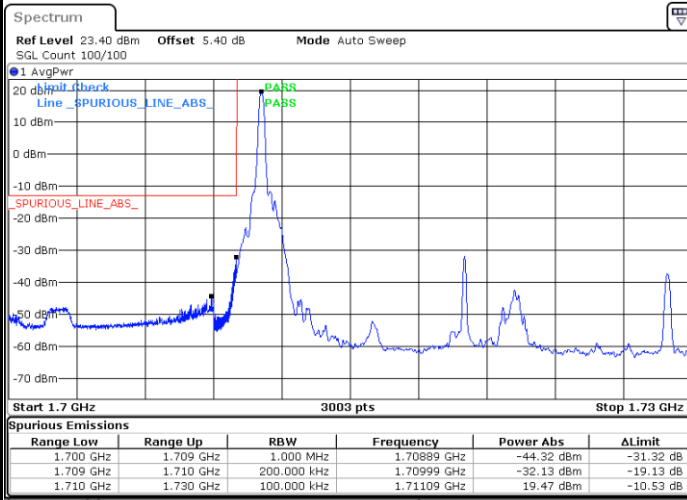


Date: 19.MAR.2022 17:21:12



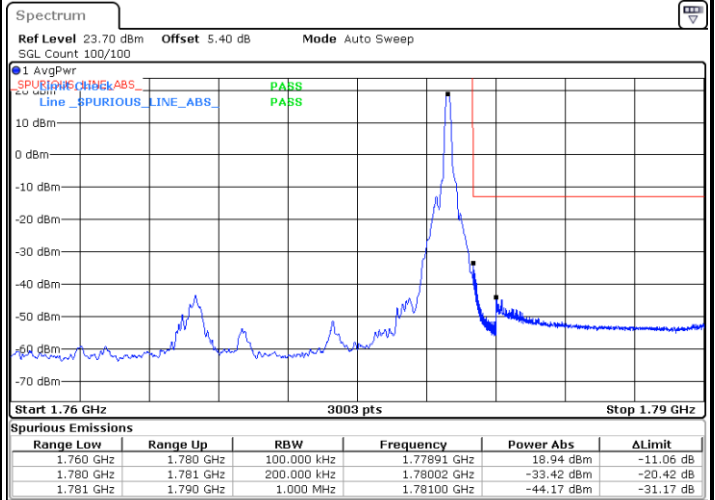
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



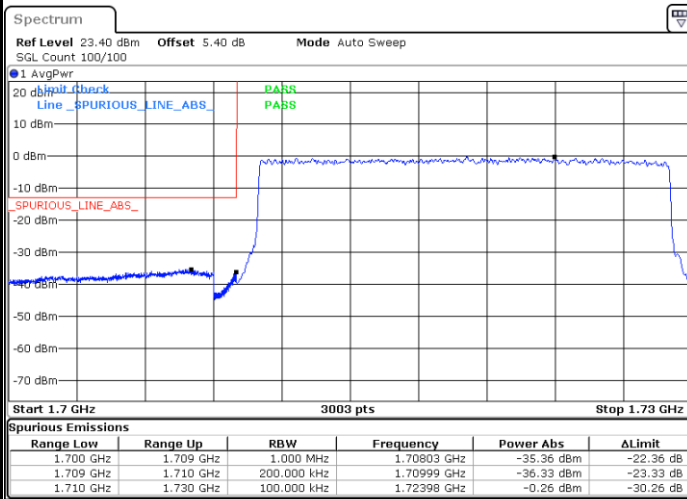
Date: 31.JAN.2022 20:16:04

Highest Band Edge / 1 RB



Date: 31.JAN.2022 20:24:46

Lowest Band Edge / Full RB



Date: 31.JAN.2022 20:18:45

Highest Band Edge / Full RB

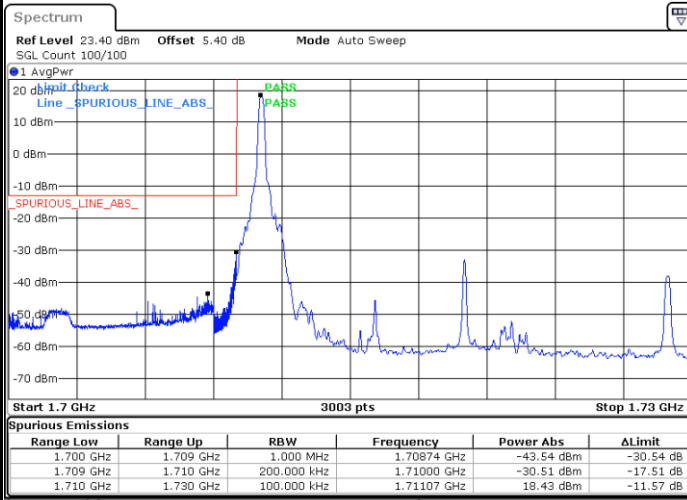


Date: 31.JAN.2022 20:27:26



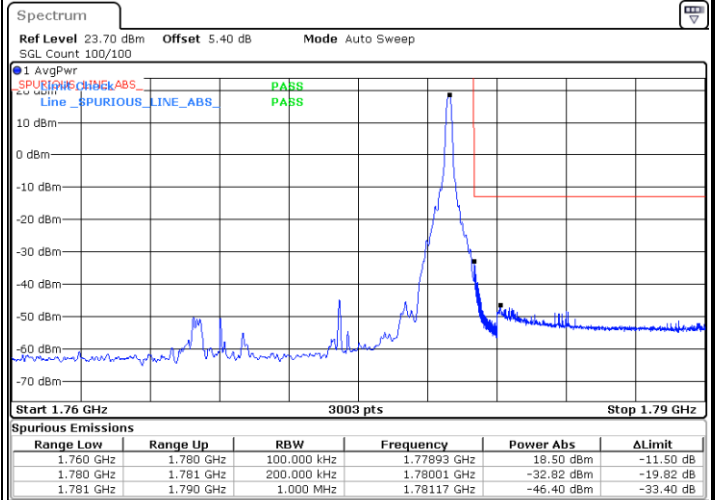
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



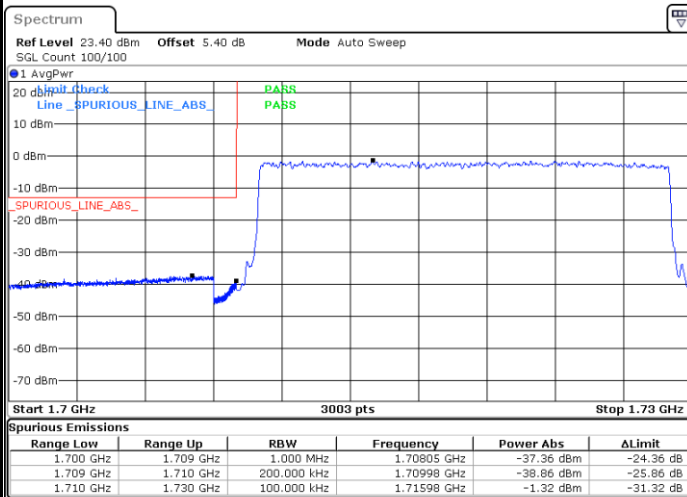
Date: 31.JAN.2022 20:17:25

Highest Band Edge / 1 RB



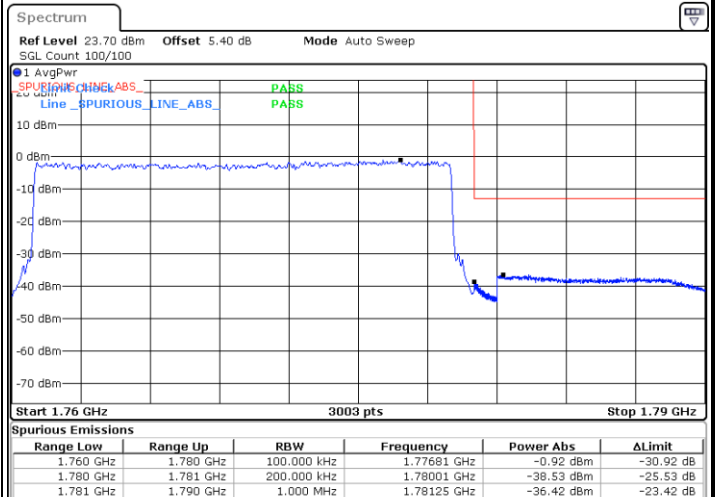
Date: 31.JAN.2022 20:26:06

Lowest Band Edge / Full RB



Date: 31.JAN.2022 20:20:05

Highest Band Edge / Full RB

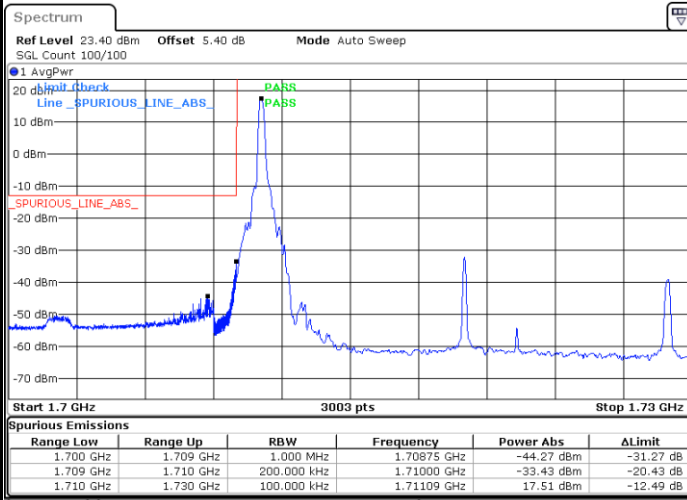


Date: 31.JAN.2022 20:28:46



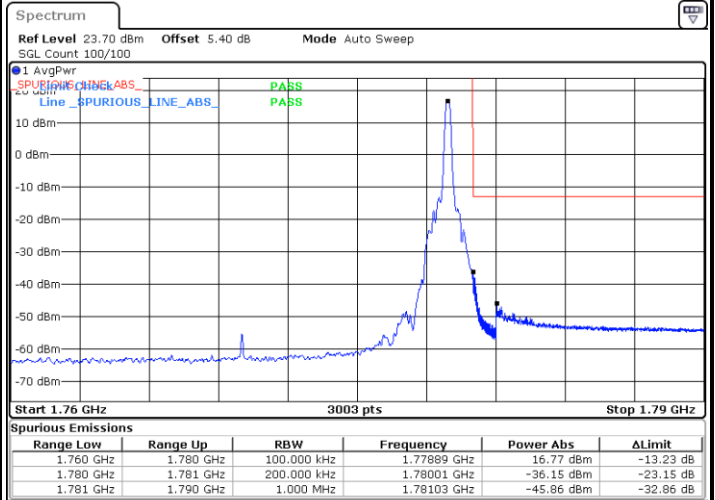
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



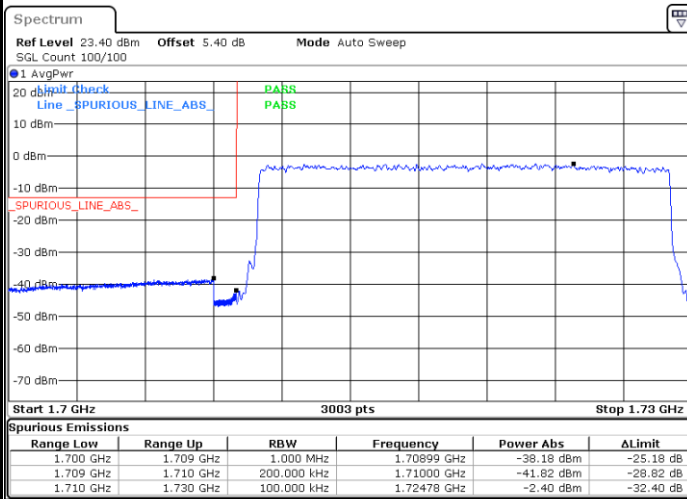
Date: 31.JAN.2022 20:58:38

Highest Band Edge / 1 RB



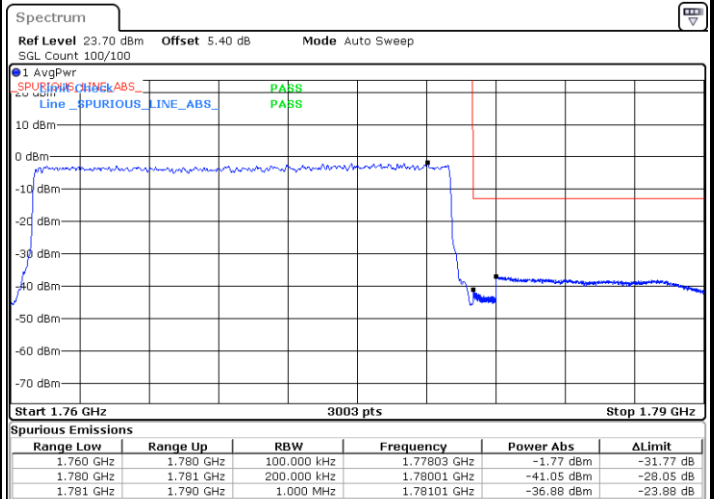
Date: 31.JAN.2022 21:02:38

Lowest Band Edge / Full RB



Date: 31.JAN.2022 20:59:58

Highest Band Edge / Full RB



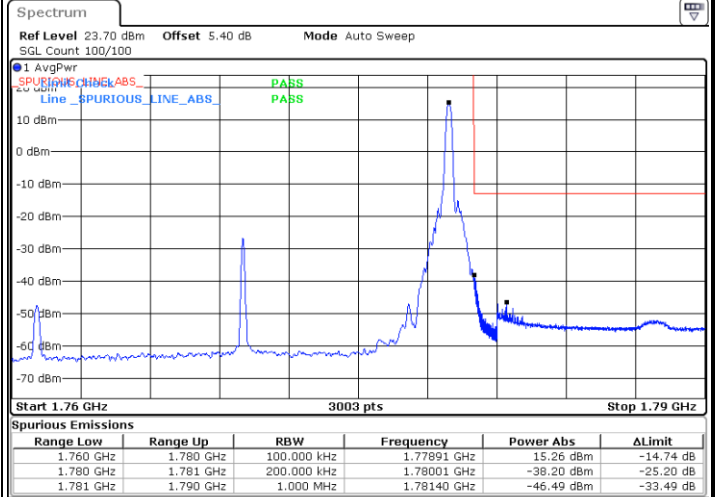
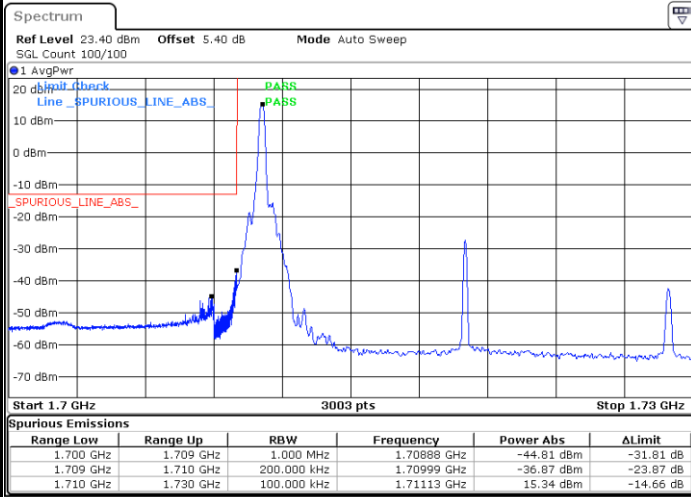
Date: 31.JAN.2022 21:01:18



LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

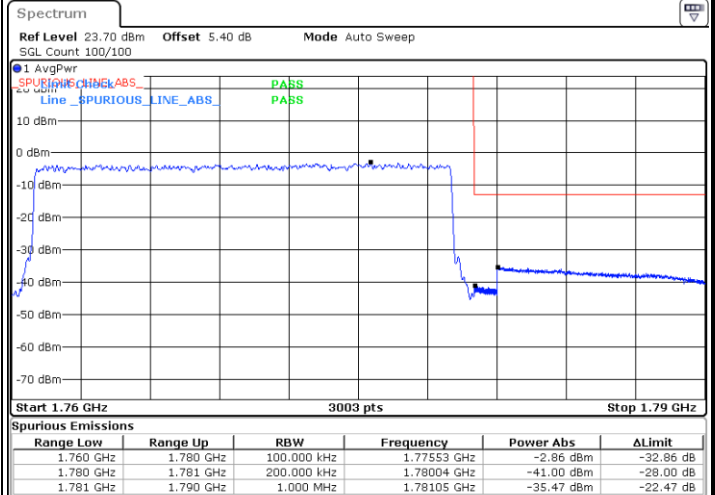
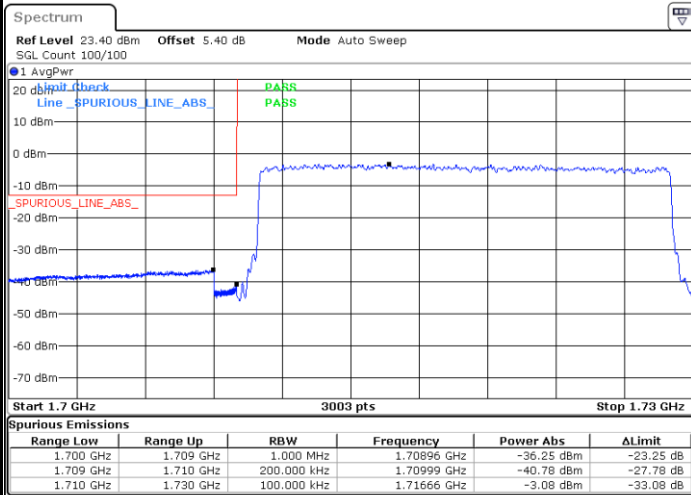


Date: 19.MAR.2022 17:23:23

Date: 19.MAR.2022 17:25:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

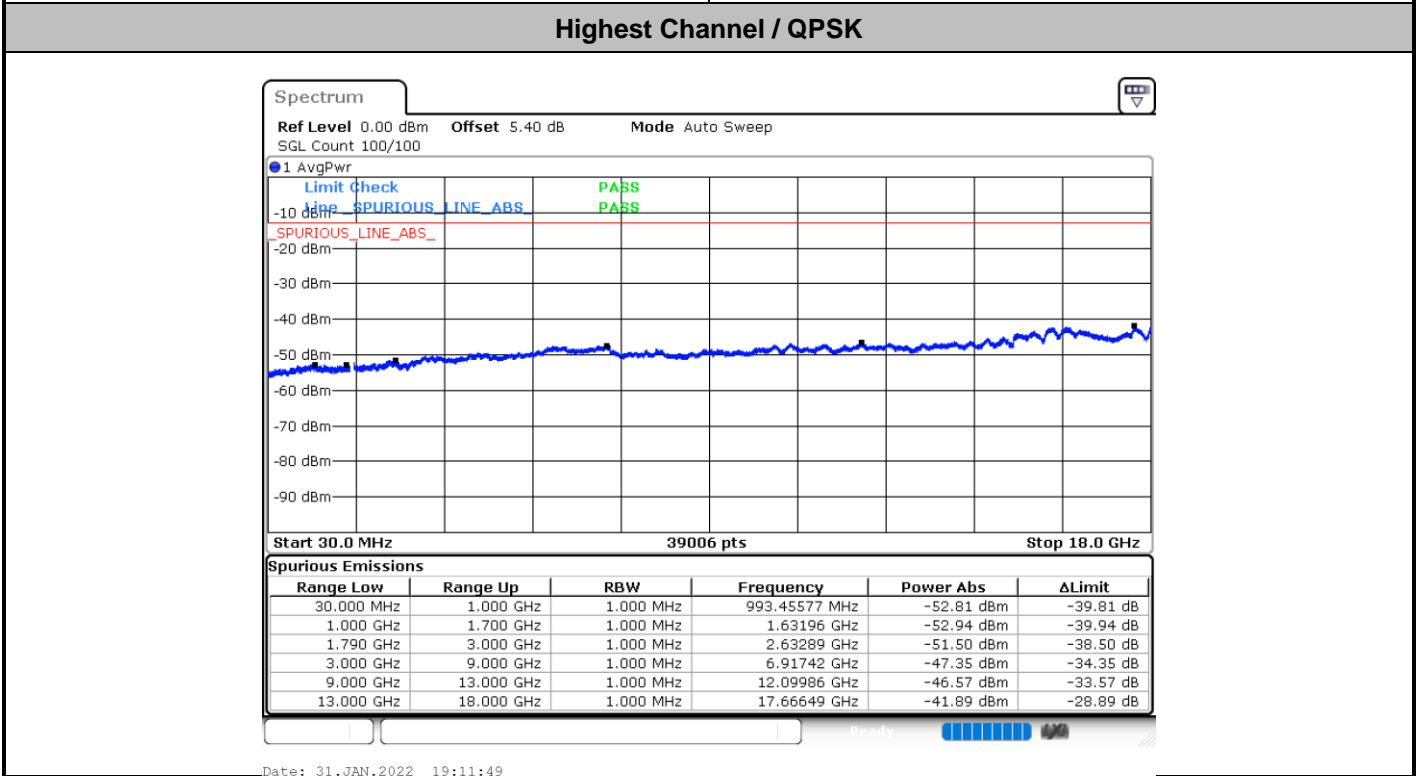
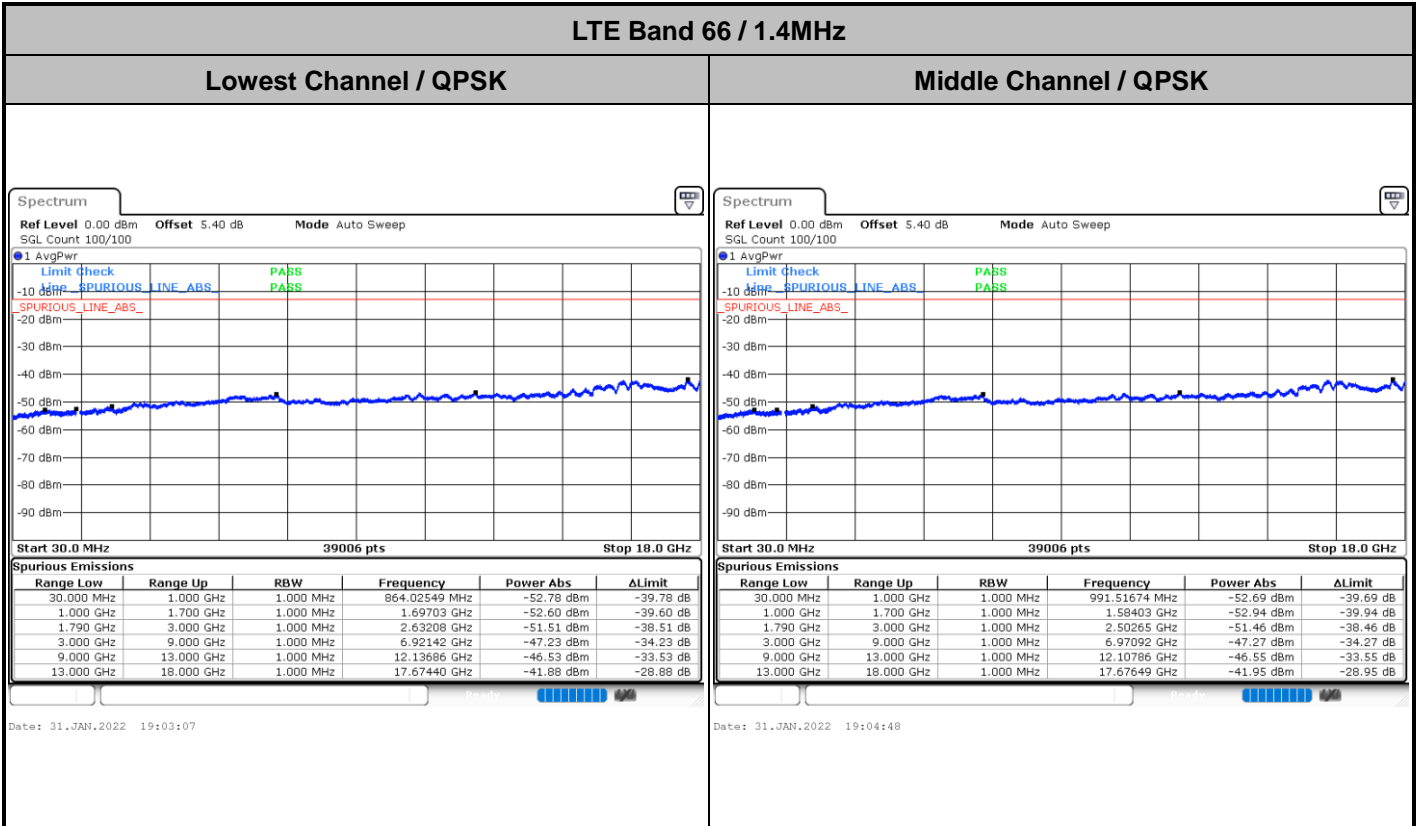


Date: 19.MAR.2022 17:23:45

Date: 19.MAR.2022 17:25:20



Conducted Spurious Emission

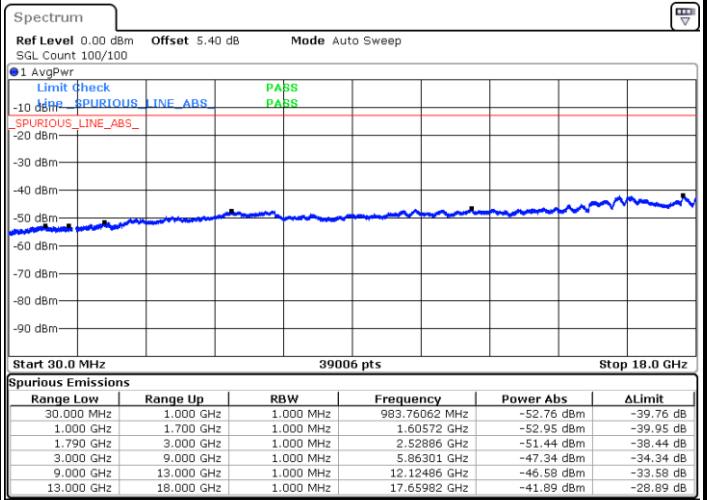
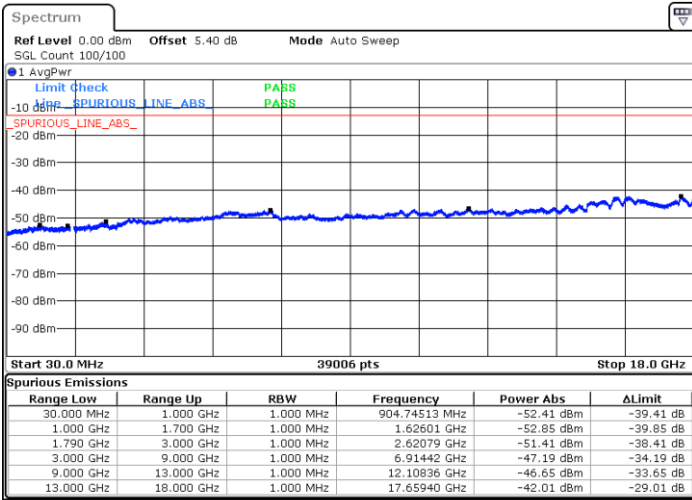




LTE Band 66 / 3MHz

Lowest Channel / QPSK

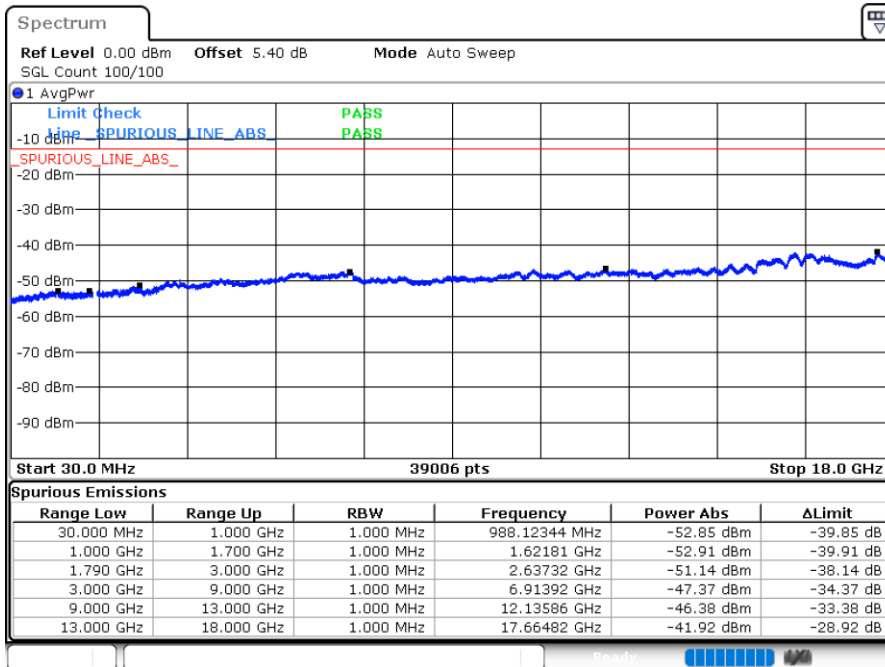
Middle Channel / QPSK



Date: 31.JAN.2022 19:18:52

Date: 31.JAN.2022 19:20:32

Highest Channel / QPSK

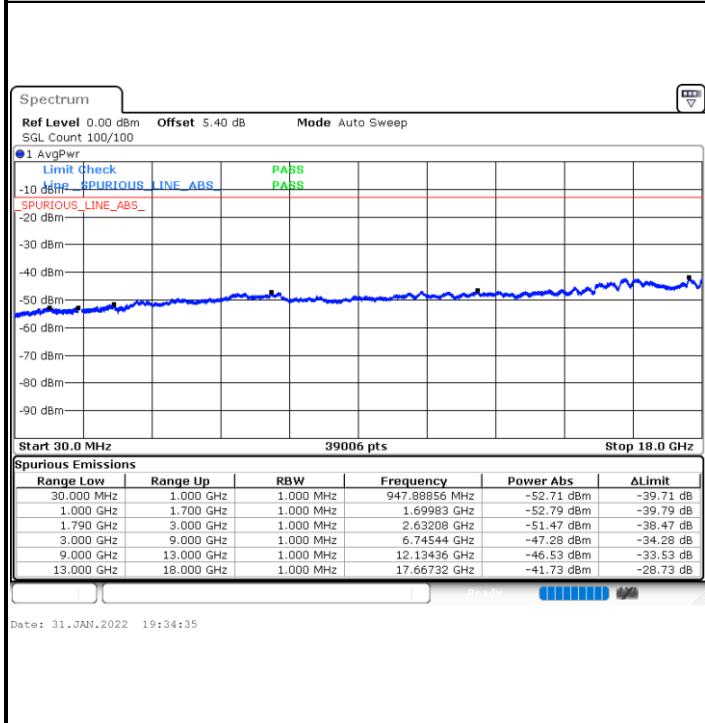


Date: 31.JAN.2022 19:27:32

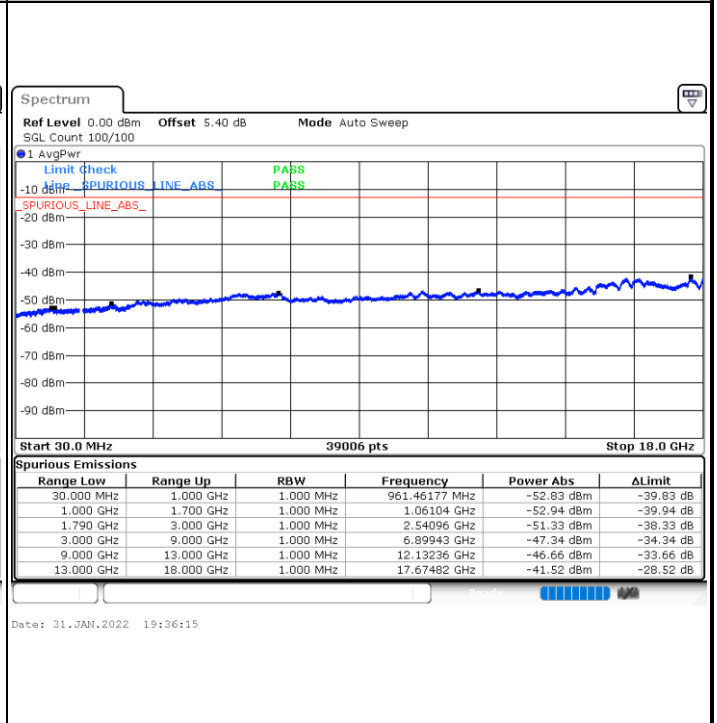


LTE Band 66 / 5MHz

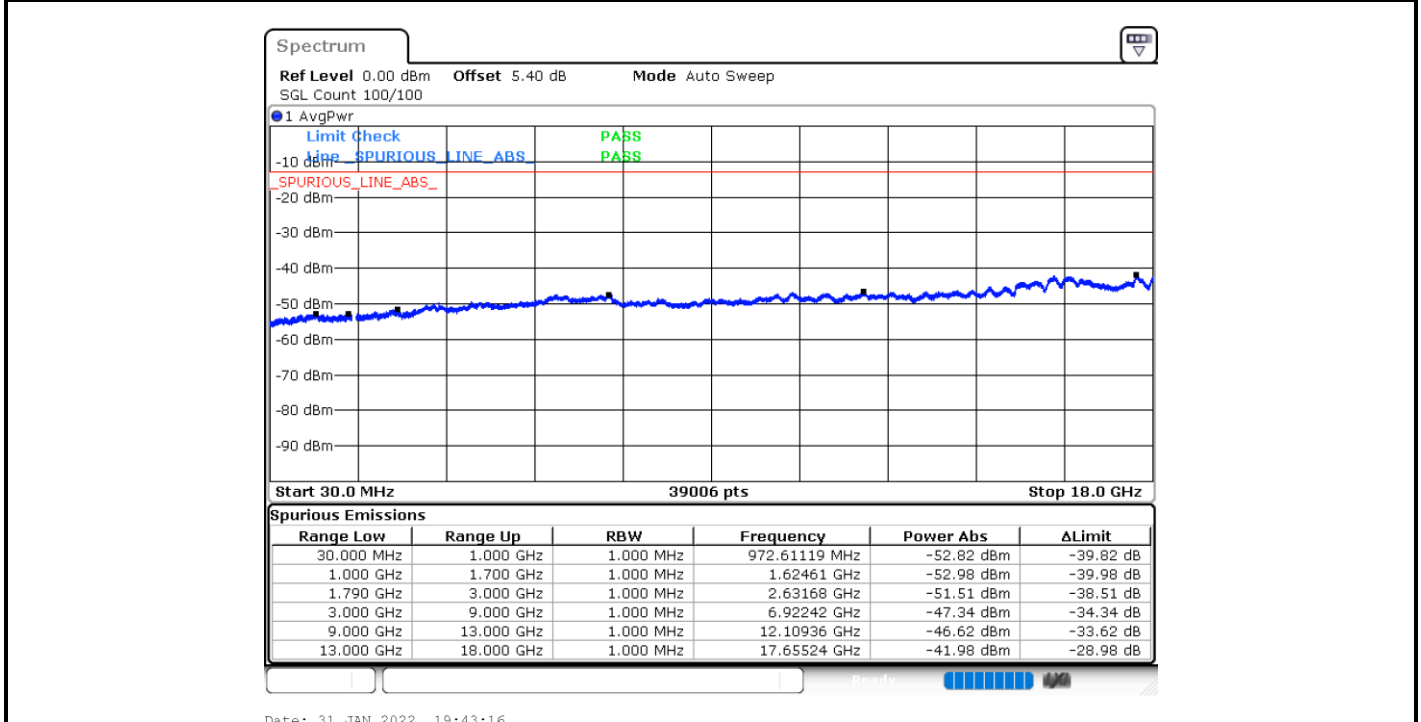
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

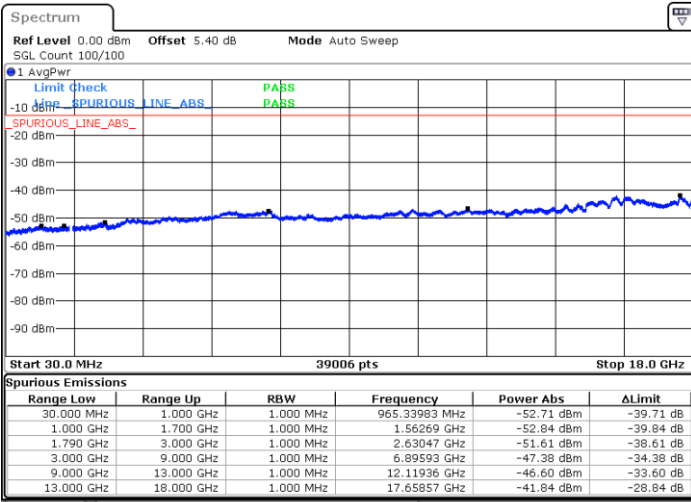




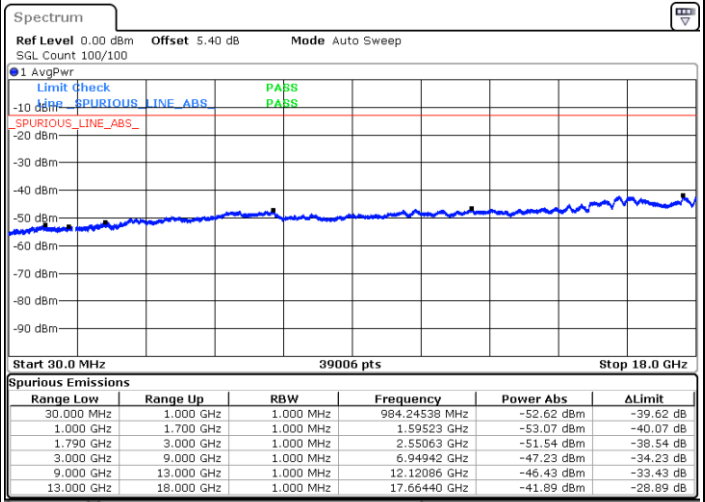
LTE Band 66 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

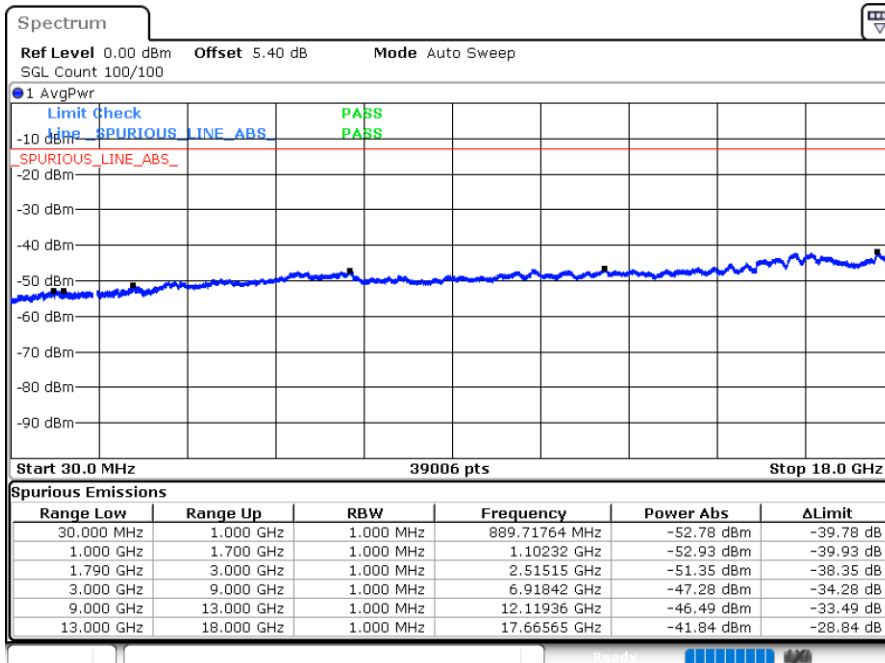


Date: 31.JAN.2022 19:50:18



Date: 31.JAN.2022 19:51:59

Highest Channel / QPSK



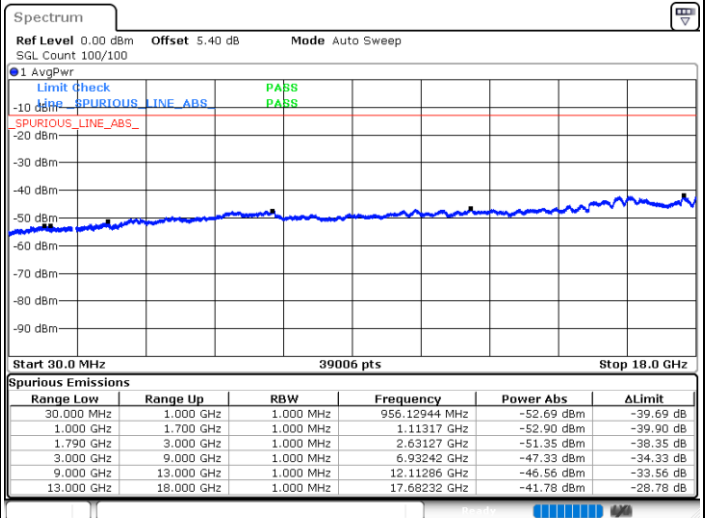
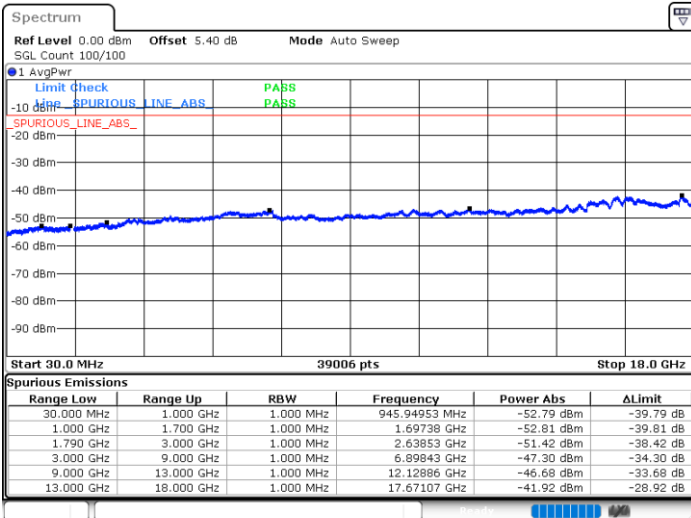
Date: 31.JAN.2022 19:58:59



LTE Band 66 / 15MHz

Lowest Channel / QPSK

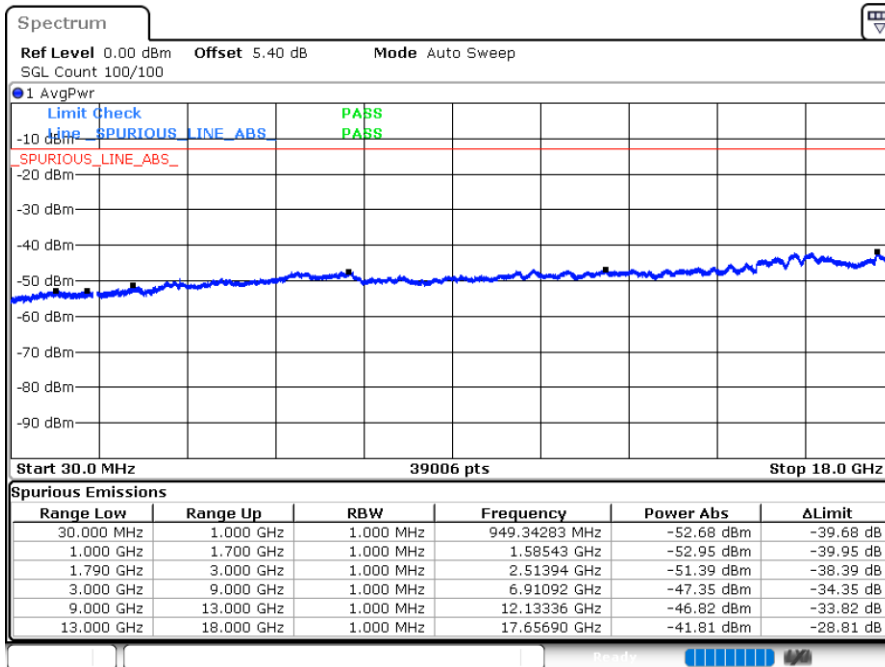
Middle Channel / QPSK



Date: 31.JAN.2022 20:06:01

Date: 31.JAN.2022 20:07:42

Highest Channel / QPSK

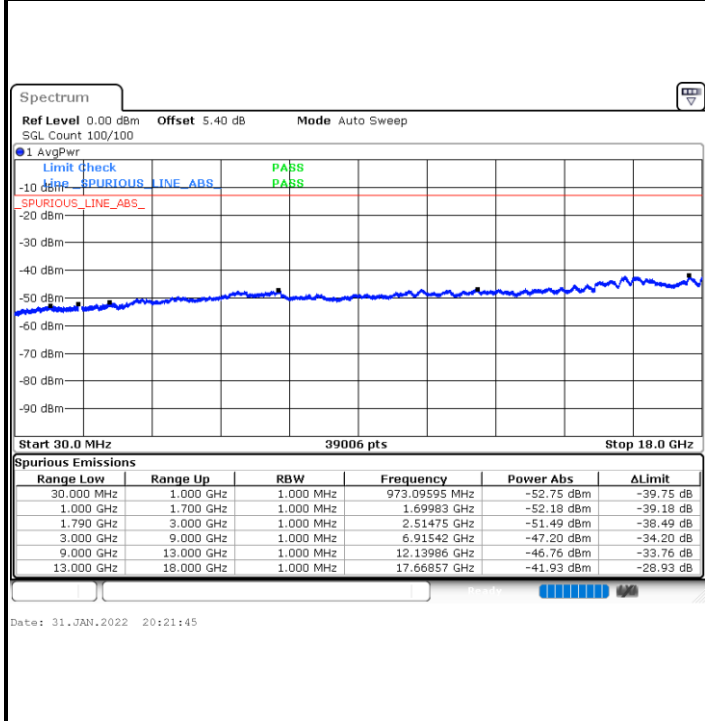


Date: 31.JAN.2022 20:14:43

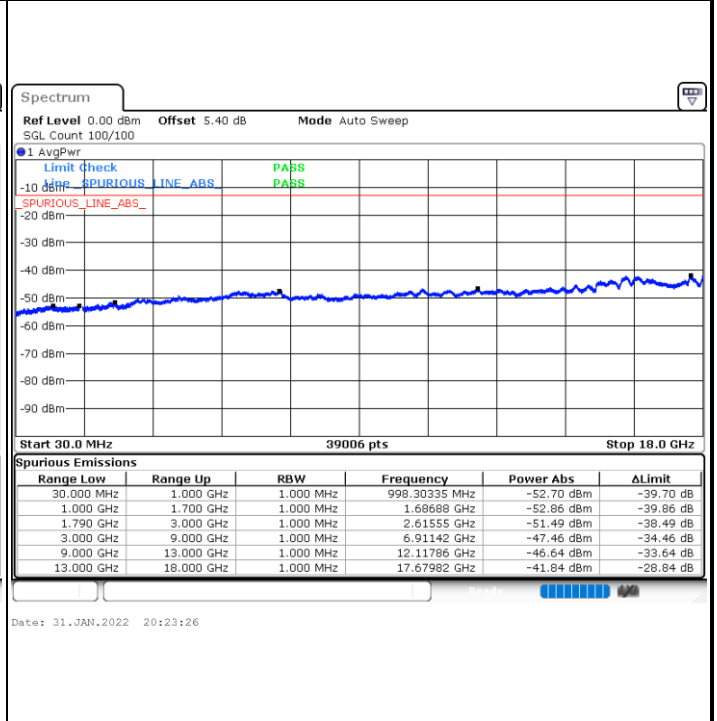


LTE Band 66 / 20MHz

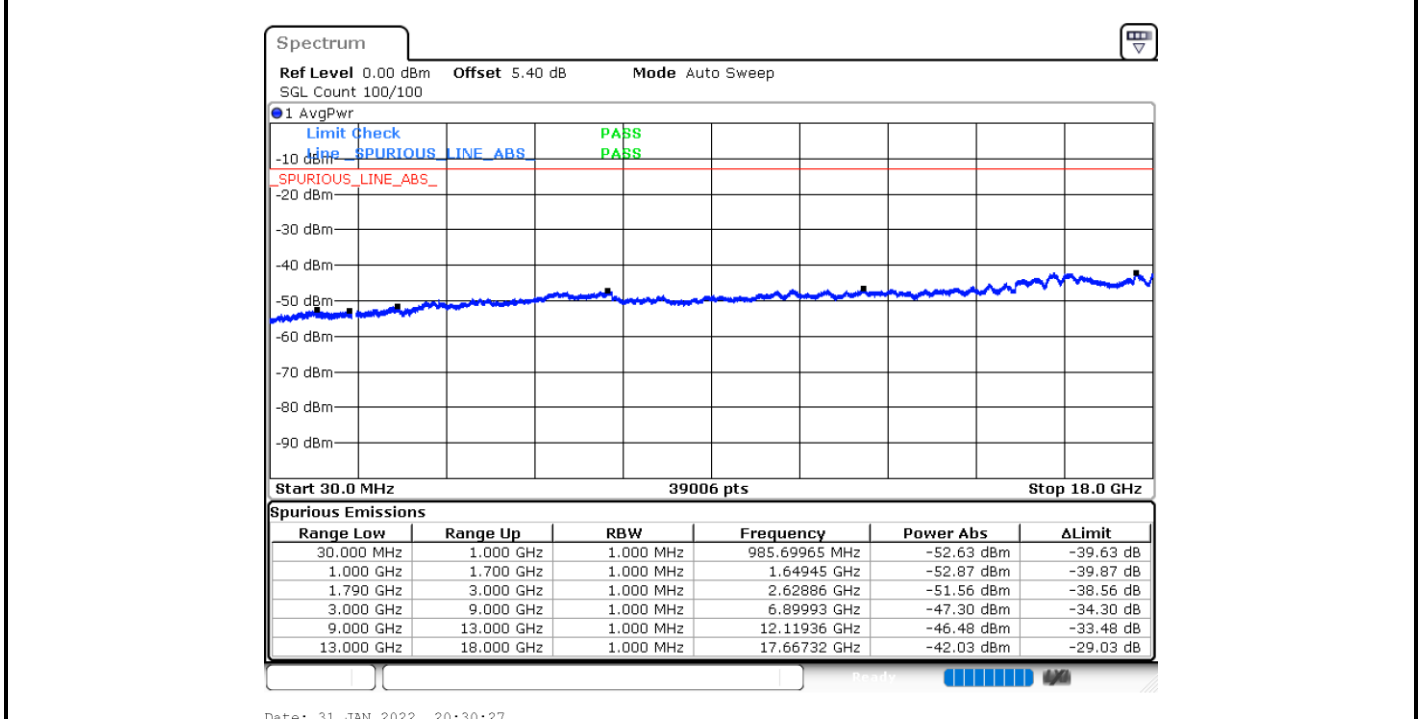
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





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	0.0016	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0001	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5 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 :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

For Ant0:

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	3735	-56.24	-13	-43.24	-68.50	2.64	14.90	H
	5610	-52.12	-13	-39.12	-63.98	2.94	14.80	H
	7485	-52.22	-13	-39.22	-61.99	3.39	13.16	H
	3735	-56.43	-13	-43.43	-68.69	2.64	14.90	V
	5610	-53.97	-13	-40.97	-65.83	2.94	14.80	V
	7485	-52.18	-13	-39.18	-61.95	3.39	13.16	V

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

LTE Band 12 / 10MHz / 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	1408	-67.64	-13	-54.64	-74.61	1.58	10.70	H
	2112	-62.07	-13	-49.07	-70.32	2.102	12.50	H
	2808	-57.89	-13	-44.89	-66.78	2.856	13.90	H
	1408	-66.20	-13	-53.20	-73.17	1.58	10.70	V
	2112	-60.66	-13	-47.66	-68.91	2.10	12.50	V
	2808	-58.43	-13	-45.43	-67.32	2.86	13.90	V

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

LTE Band 13 / 5MHz / 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	1560	-66.09	-42.15	-23.94	-68.72	1.09	5.87	H
	2336	-61.82	-13	-48.82	-64.22	1.37	5.92	H
	3120	-59.73	-13	-46.73	-63.62	1.64	7.68	H
	1560	-64.51	-42.15	-22.36	-67.14	1.09	5.87	V
	2336	-59.97	-13	-46.97	-62.37	1.37	5.92	V
	3120	-59.19	-13	-46.19	-63.08	1.64	7.68	V

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



LTE Band 13 / 10MHz / 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	1552	-65.49	-13	-52.49	-68.12	1.09	5.87	H
	2328	-61.61	-13	-48.61	-64.01	1.37	5.92	H
	3112	-59.90	-13	-46.90	-63.79	1.64	7.68	H
	1552	-63.91	-13	-50.91	-66.54	1.09	5.87	V
	2328	-60.13	-13	-47.13	-62.53	1.37	5.92	V
	3112	-59.76	-13	-46.76	-63.65	1.64	7.68	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	-65.05	-13	-52.05	-72.02	1.58	10.70	H
	2488	-60.54	-13	-47.54	-68.79	2.102	12.50	H
	3320	-60.31	-13	-47.31	-69.20	2.856	13.90	H
	1656	-63.92	-13	-50.92	-70.89	1.58	10.70	V
	2488	-58.66	-13	-45.66	-66.91	2.10	12.50	V
	3320	-59.39	-13	-46.39	-68.28	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	3465	-56.04	-13	-43.04	-66.78	2.604	13.34	H
	5205	-51.79	-13	-38.79	-62.30	3.011	13.52	H
	6945	-53.71	-13	-40.71	-63.91	3.271	13.47	H
	3465	-57.62	-13	-44.62	-68.36	2.604	13.34	V
	5205	-53.24	-13	-40.24	-63.75	3.011	13.52	V
	6945	-54.08	-13	-41.08	-64.28	3.271	13.47	V

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