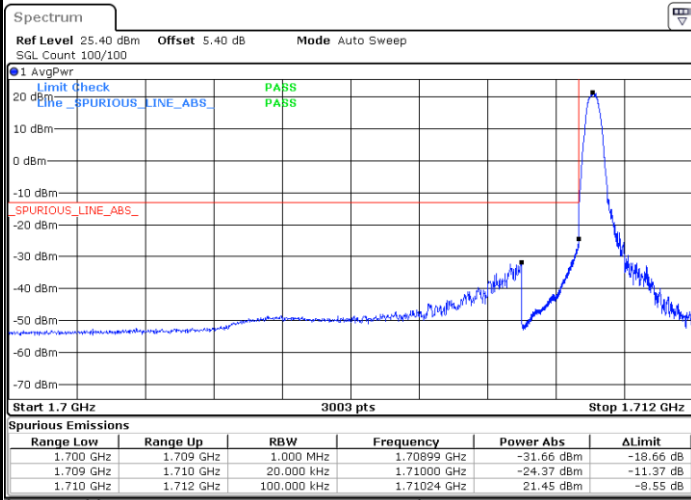




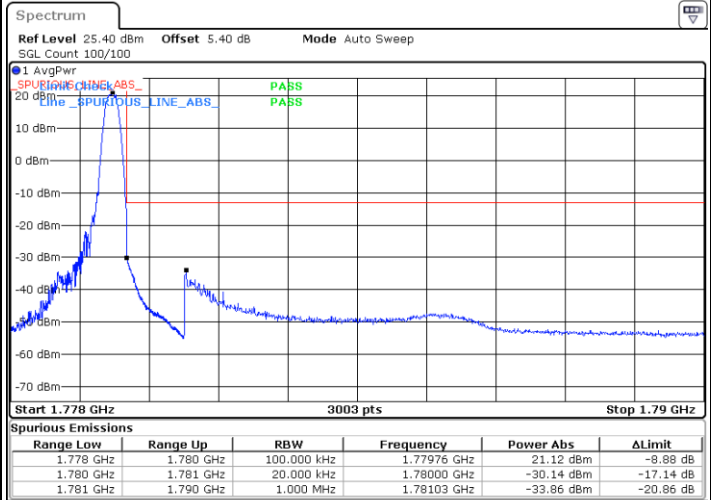
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



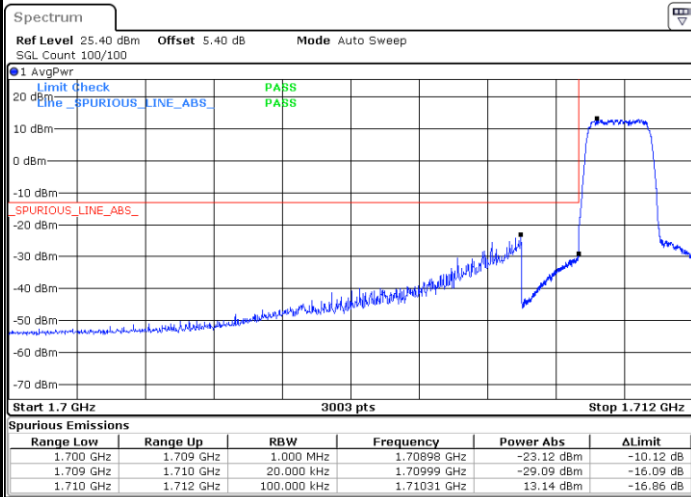
Date: 29.NOV.2021 12:03:31

Highest Band Edge / 1 RB



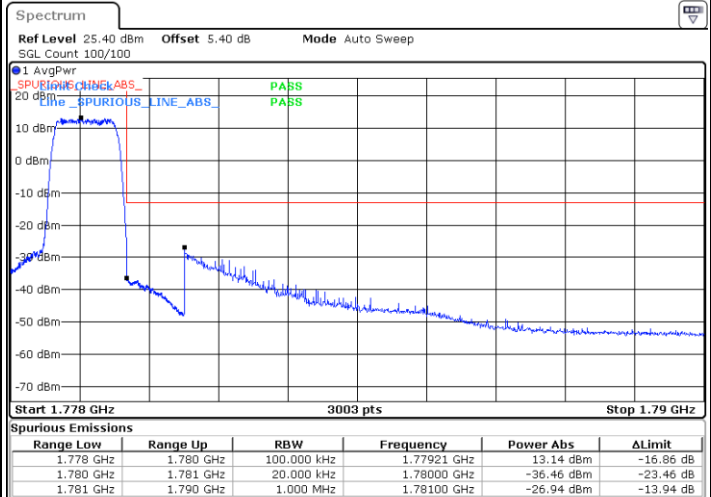
Date: 29.NOV.2021 12:17:36

Lowest Band Edge / Full RB



Date: 29.NOV.2021 12:07:41

Highest Band Edge / Full RB

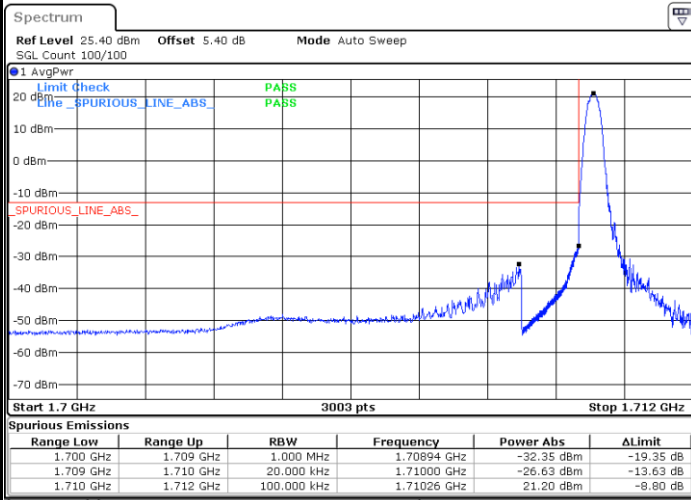


Date: 29.NOV.2021 12:21:46



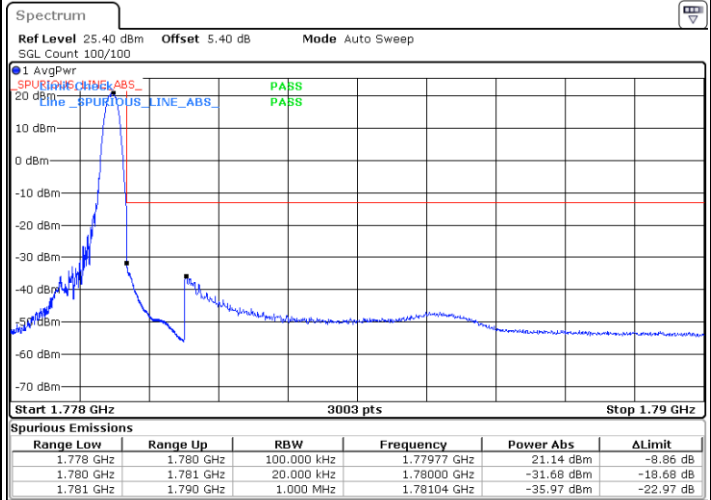
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



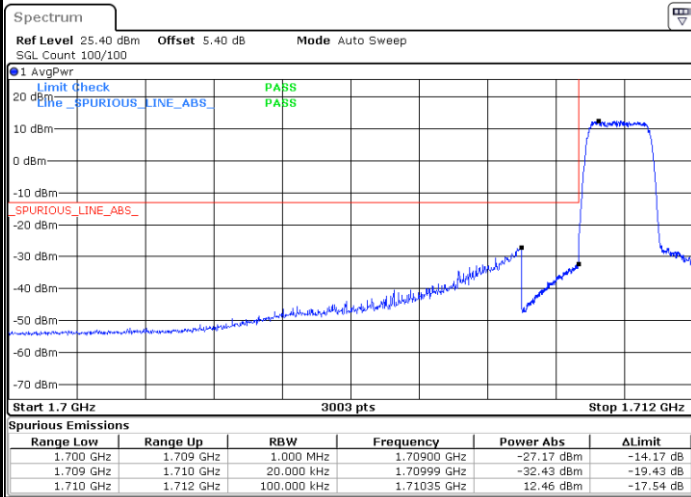
Date: 29.NOV.2021 12:04:54

Highest Band Edge / 1 RB



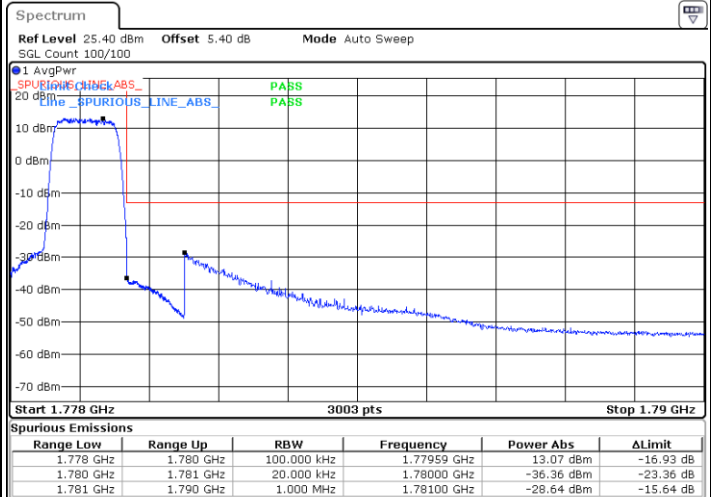
Date: 29.NOV.2021 12:19:00

Lowest Band Edge / Full RB



Date: 29.NOV.2021 12:06:18

Highest Band Edge / Full RB

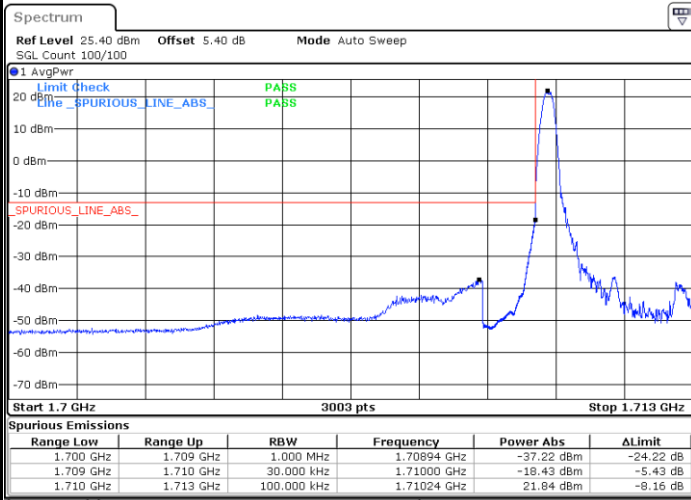


Date: 29.NOV.2021 12:20:23



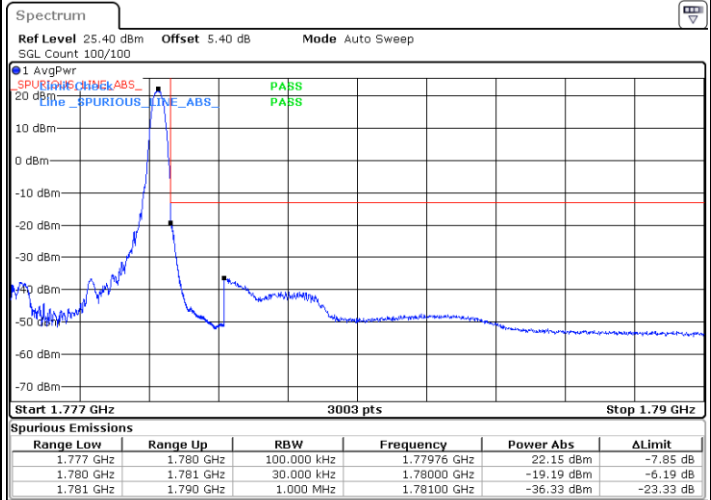
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



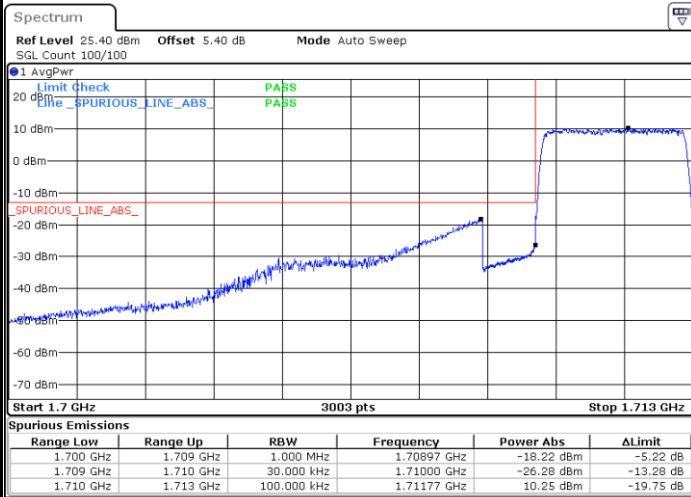
Date: 29.NOV.2021 12:27:16

Highest Band Edge / 1 RB



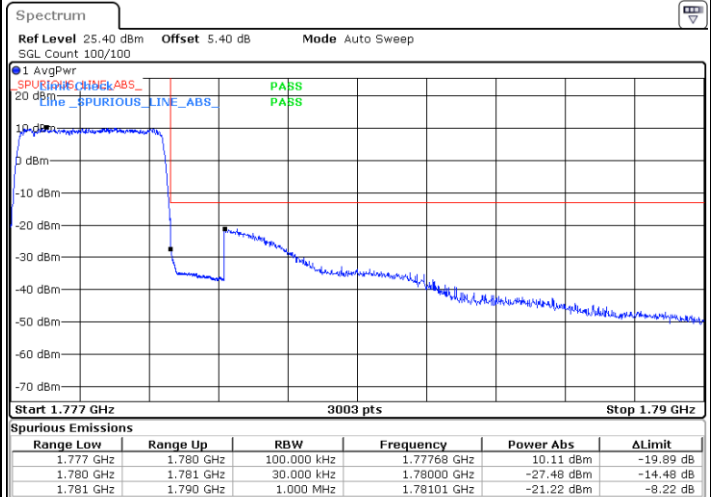
Date: 29.NOV.2021 12:41:20

Lowest Band Edge / Full RB



Date: 29.NOV.2021 12:34:11

Highest Band Edge / Full RB

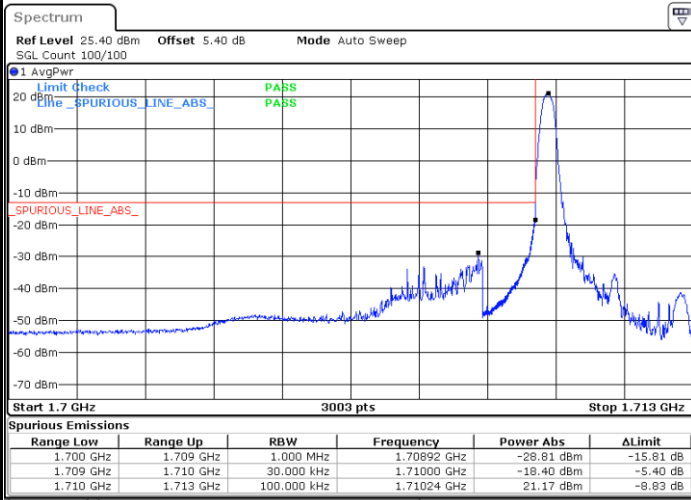


Date: 29.NOV.2021 12:48:16

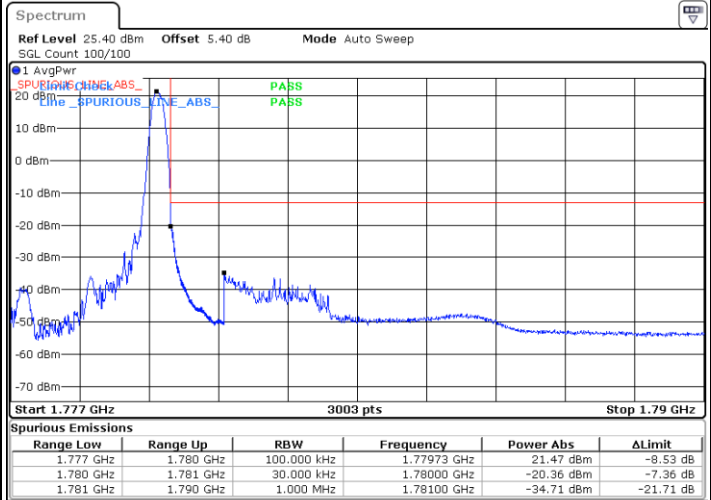


LTE Band 66 / 3MHz / 16QAM

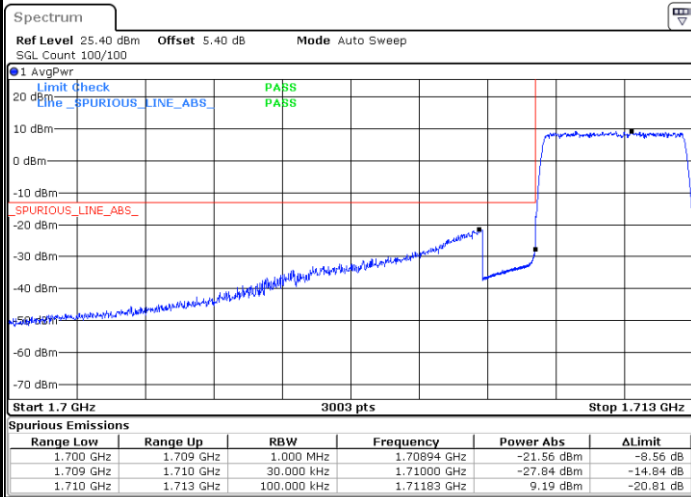
Lowest Band Edge / 1 RB



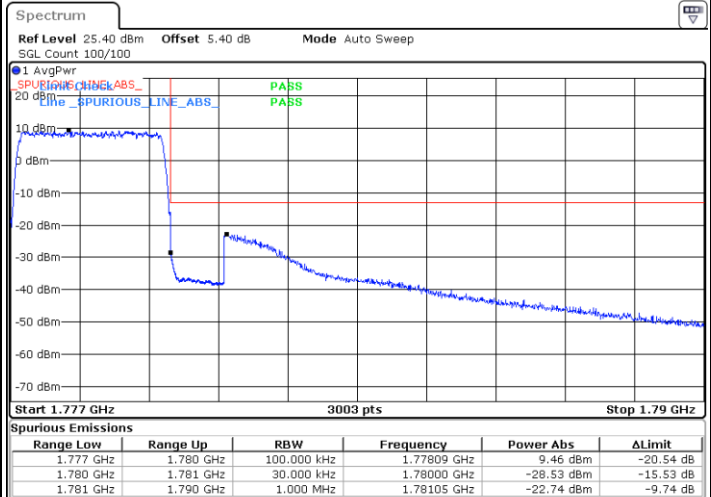
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

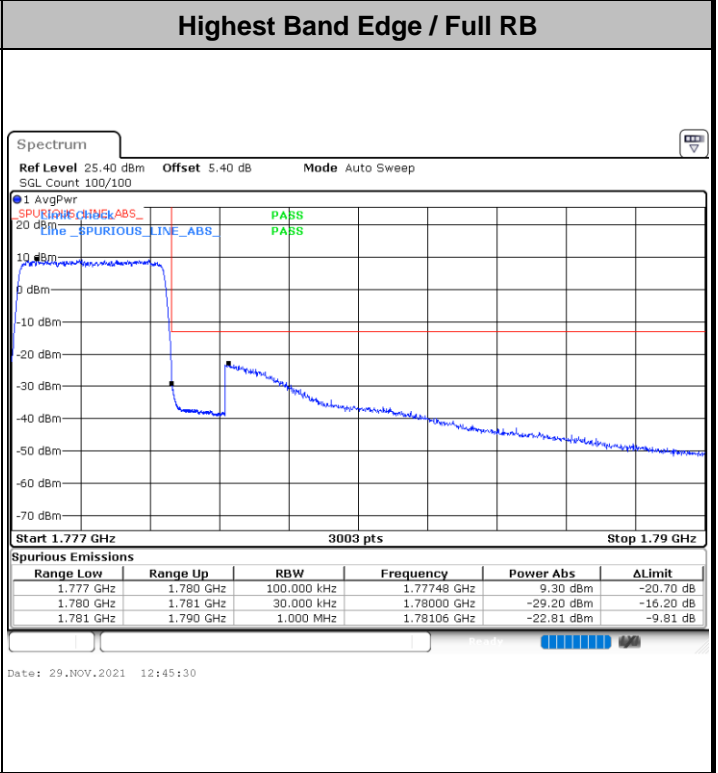
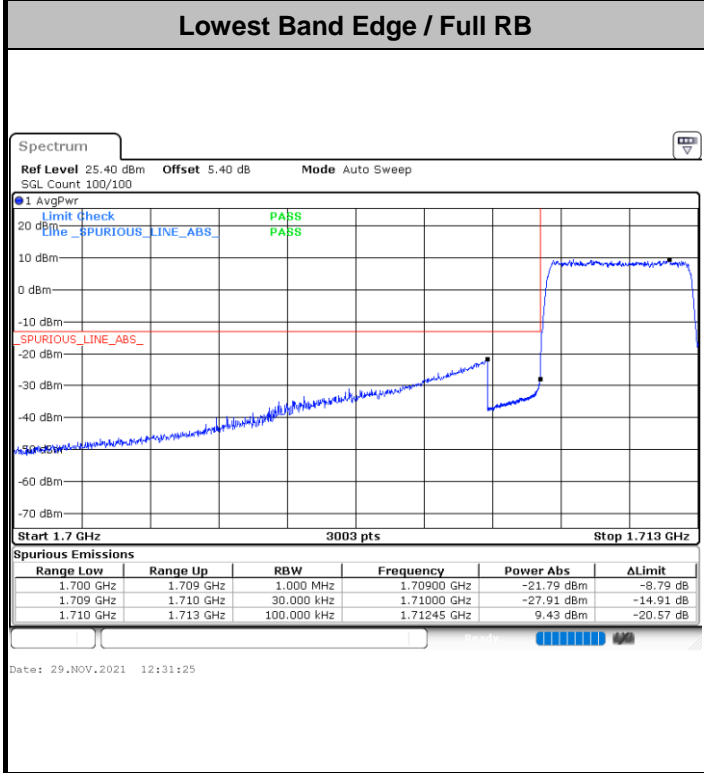
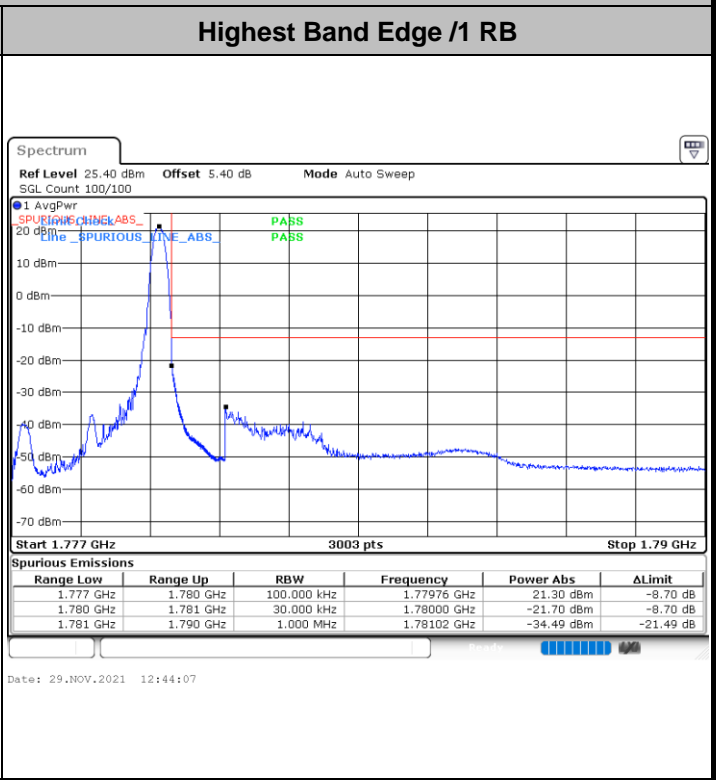
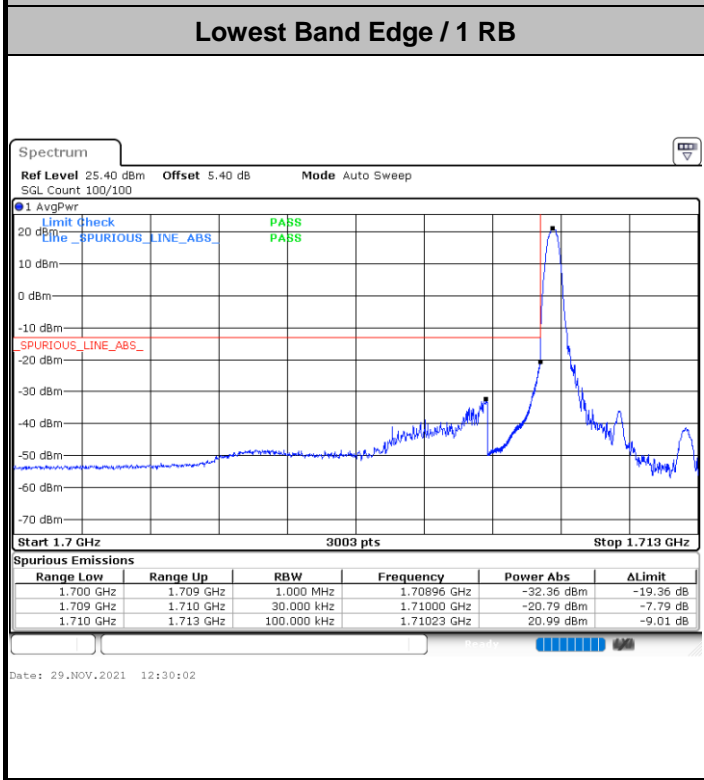


Highest Band Edge / Full RB





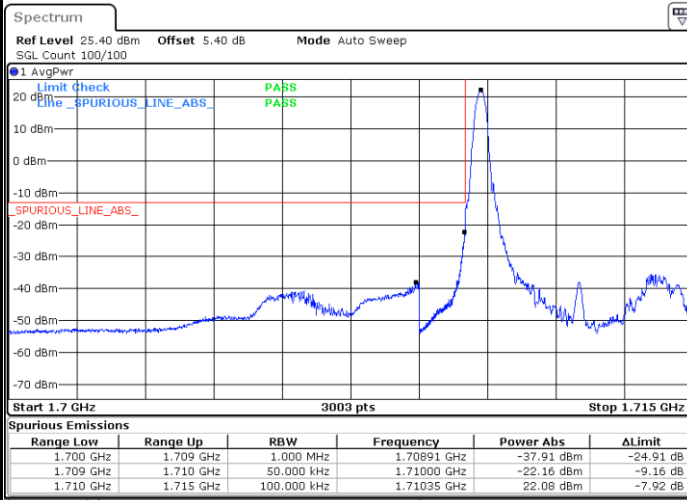
LTE Band 66 / 3MHz / 64QAM





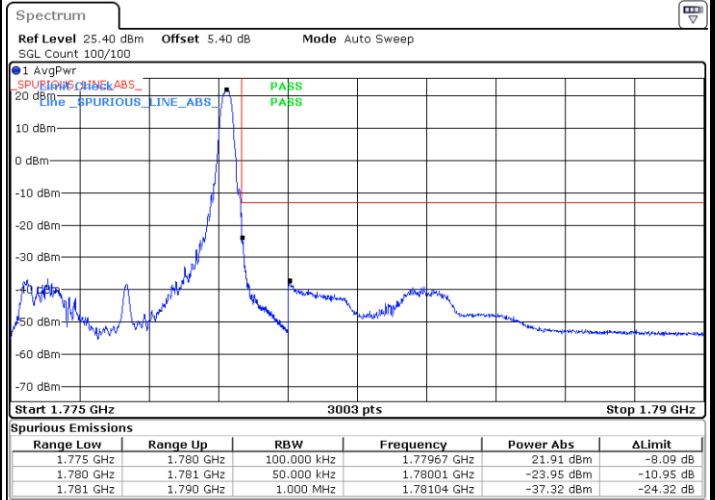
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



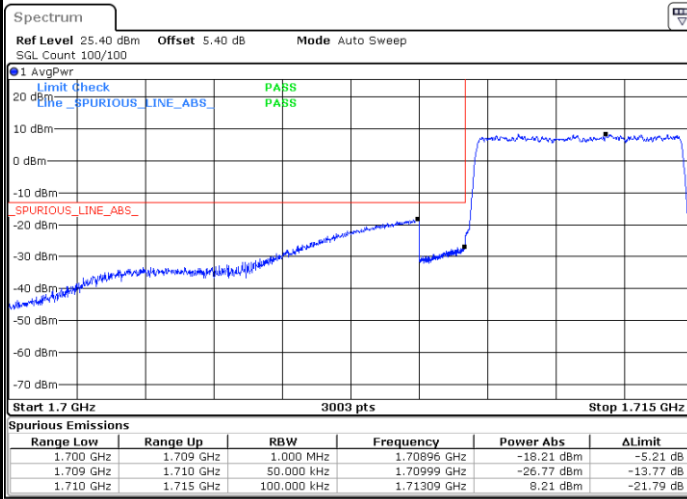
Date: 29.NOV.2021 12:52:24

Highest Band Edge / 1 RB



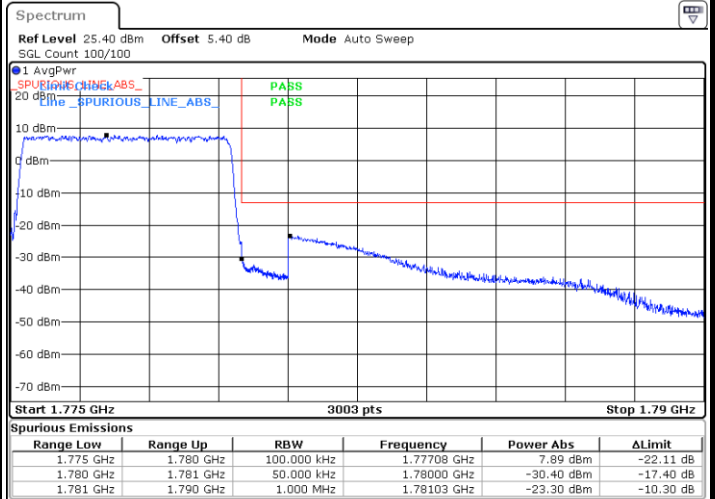
Date: 29.NOV.2021 13:06:29

Lowest Band Edge / Full RB



Date: 29.NOV.2021 12:59:20

Highest Band Edge / Full RB

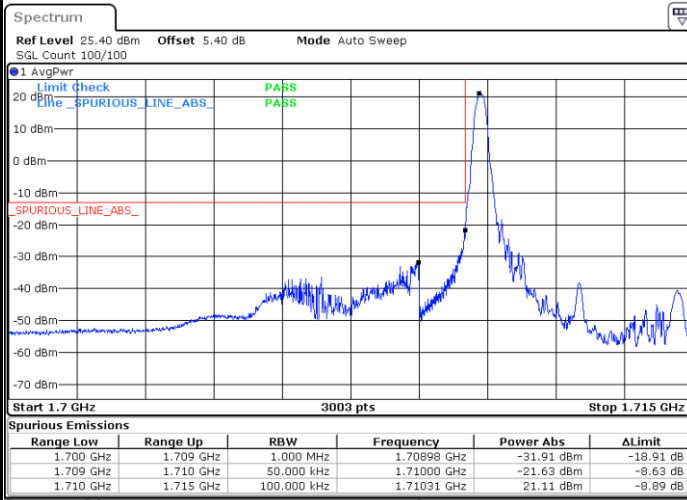


Date: 29.NOV.2021 13:13:25



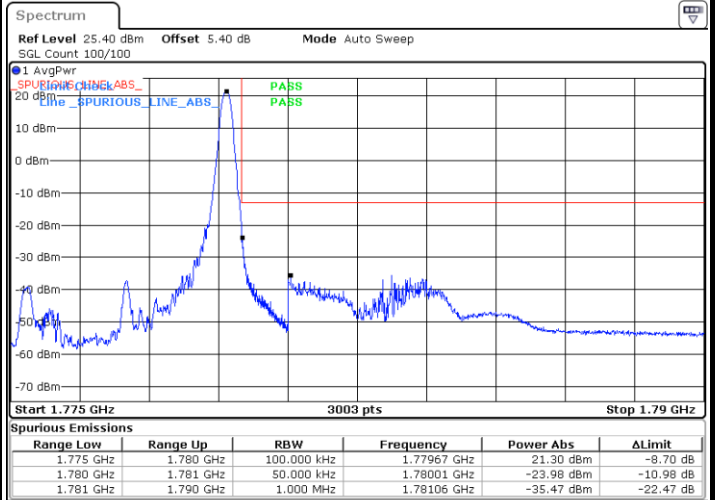
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



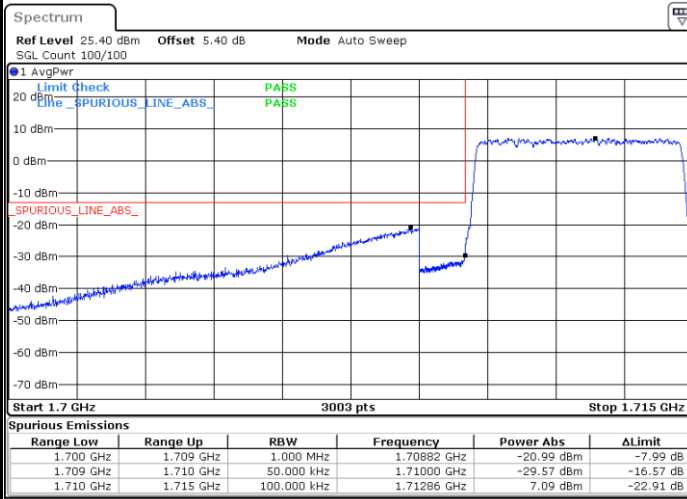
Date: 29.NOV.2021 12:53:47

Highest Band Edge / 1 RB



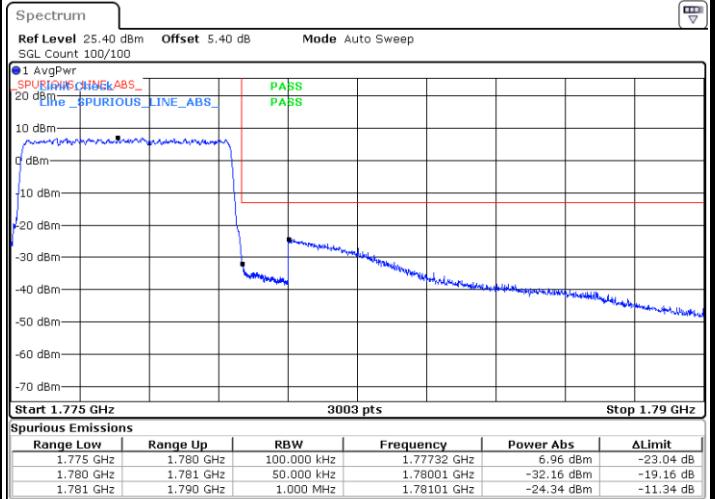
Date: 29.NOV.2021 13:07:52

Lowest Band Edge / Full RB



Date: 29.NOV.2021 12:57:57

Highest Band Edge / Full RB

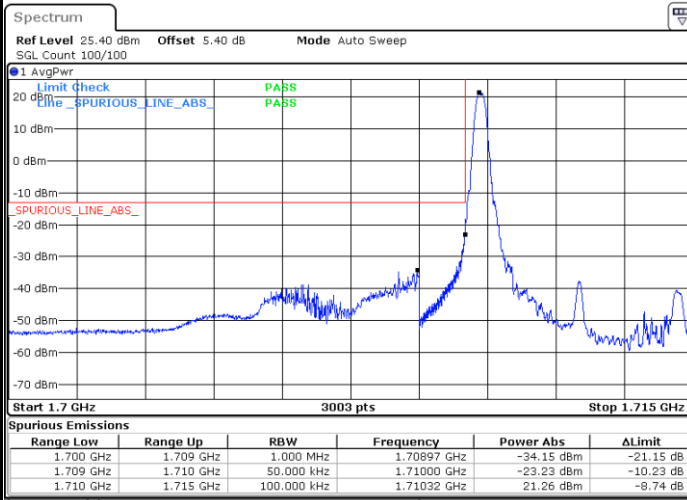


Date: 29.NOV.2021 13:12:01



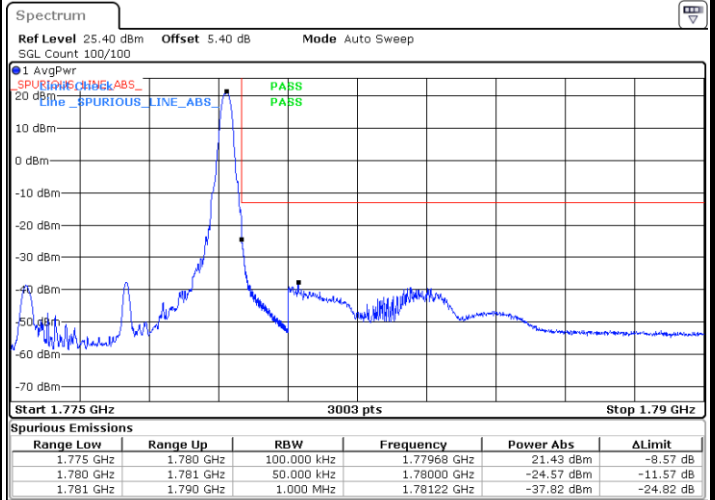
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1RB



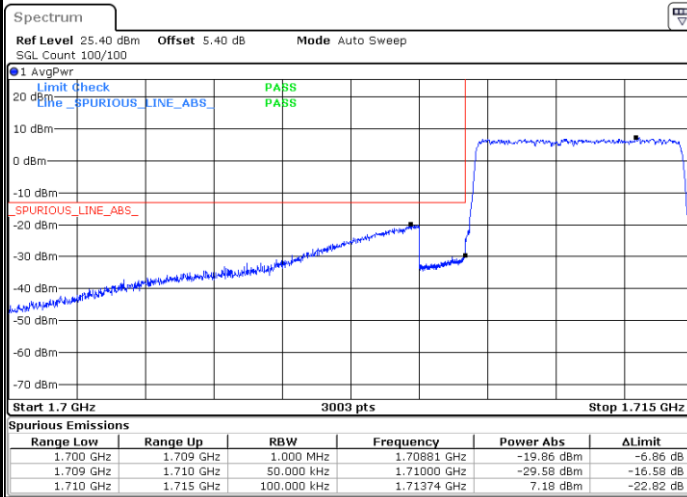
Date: 29.NOV.2021 12:55:10

Highest Band Edge / 1 RB



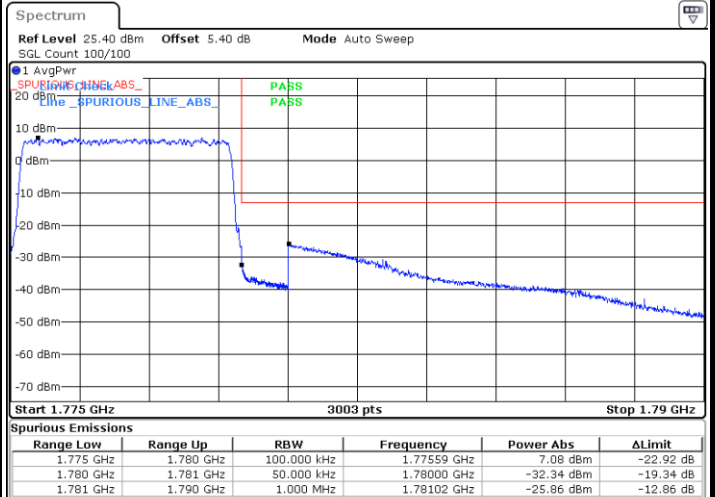
Date: 29.NOV.2021 13:09:15

Lowest Band Edge / Full RB



Date: 29.NOV.2021 12:56:33

Highest Band Edge / Full RB

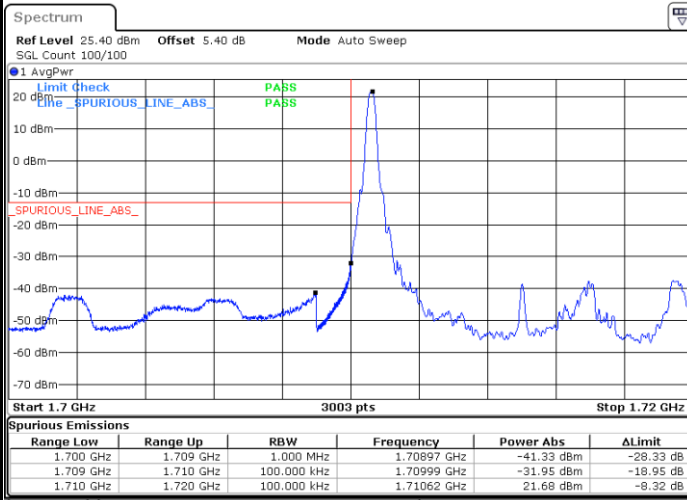


Date: 29.NOV.2021 13:10:38



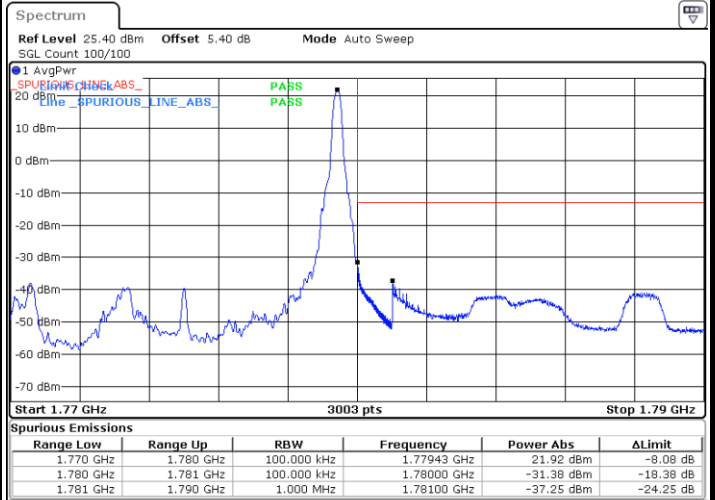
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



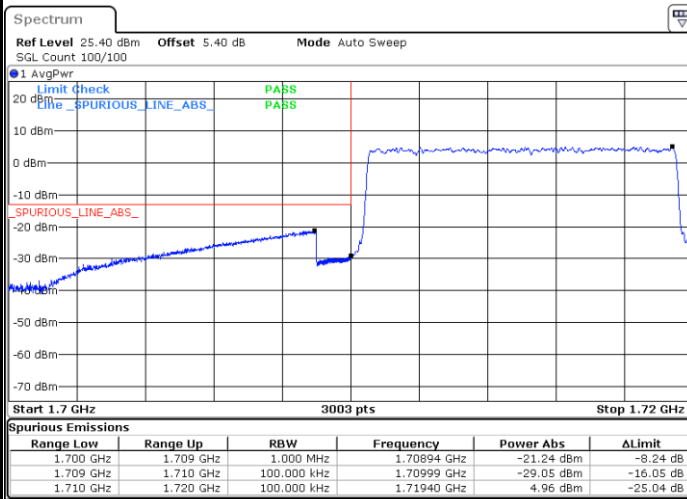
Date: 29.NOV.2021 13:17:32

Highest Band Edge / 1 RB



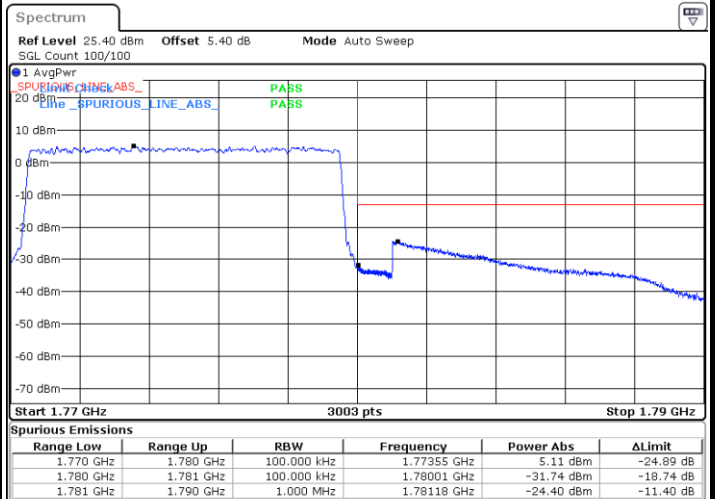
Date: 29.NOV.2021 13:31:37

Lowest Band Edge / Full RB



Date: 29.NOV.2021 13:24:27

Highest Band Edge / Full RB

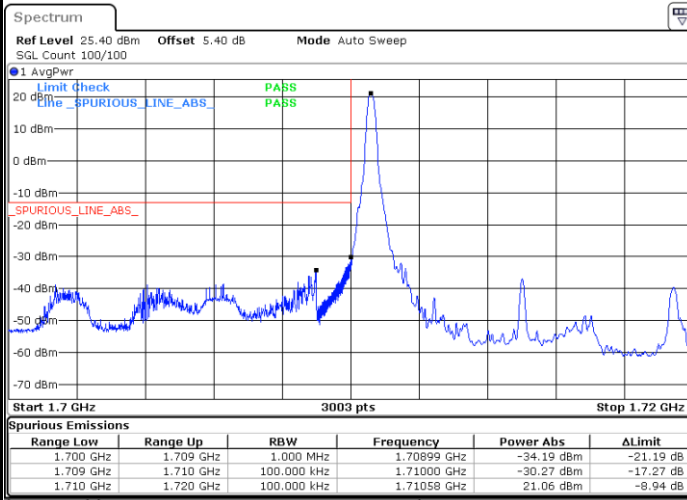


Date: 29.NOV.2021 13:38:32



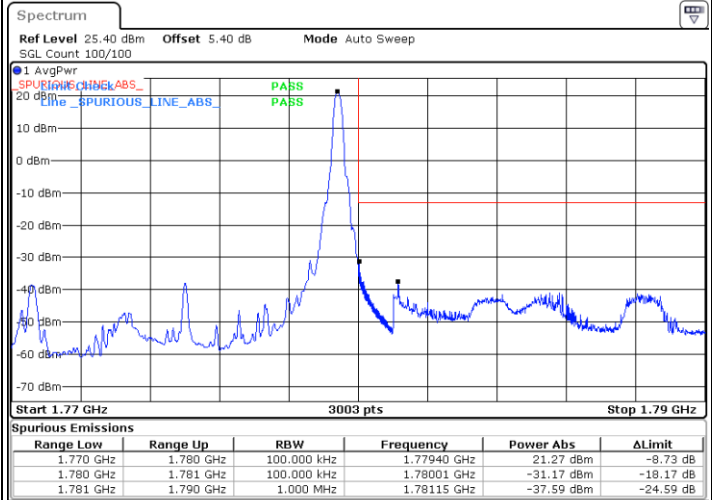
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



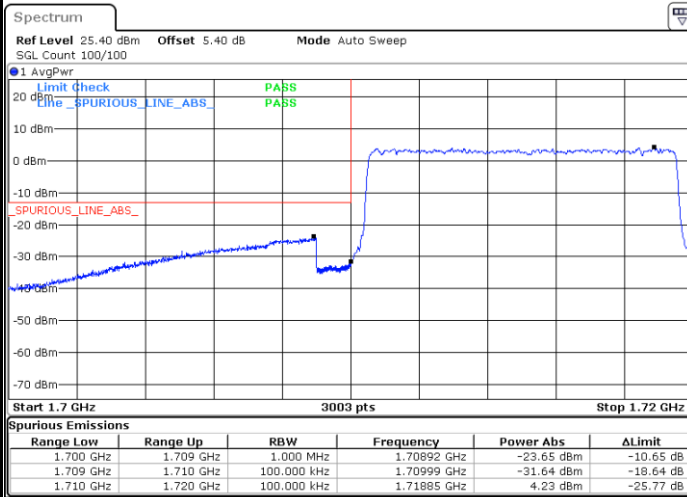
Date: 29.NOV.2021 13:18:55

Highest Band Edge / 1 RB



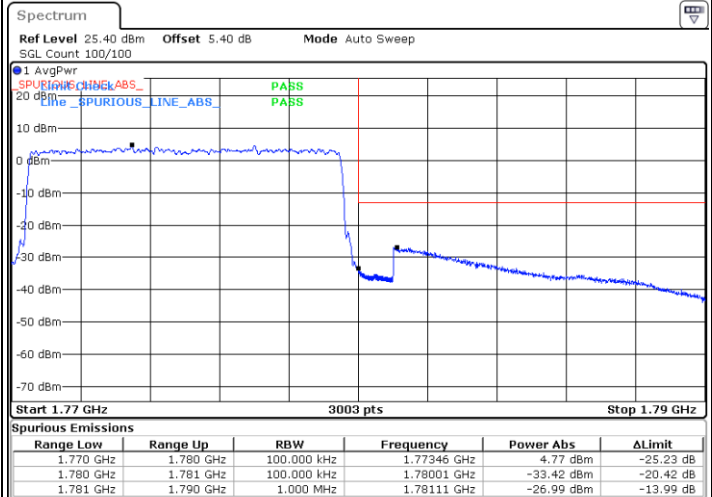
Date: 29.NOV.2021 13:33:00

Lowest Band Edge / Full RB



Date: 29.NOV.2021 13:23:04

Highest Band Edge / Full RB

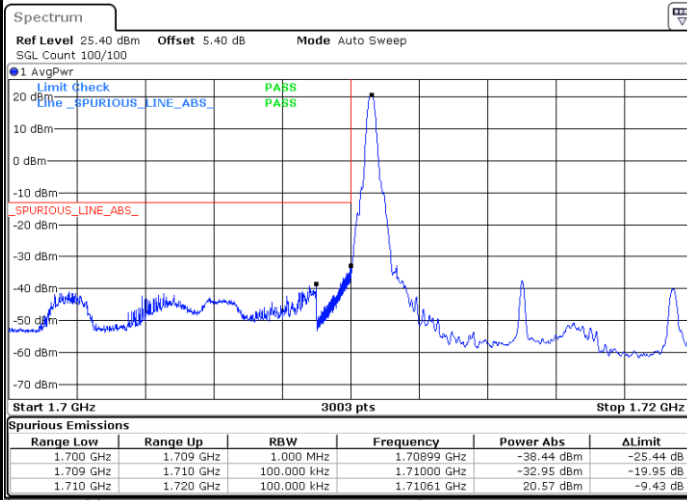


Date: 29.NOV.2021 13:37:09



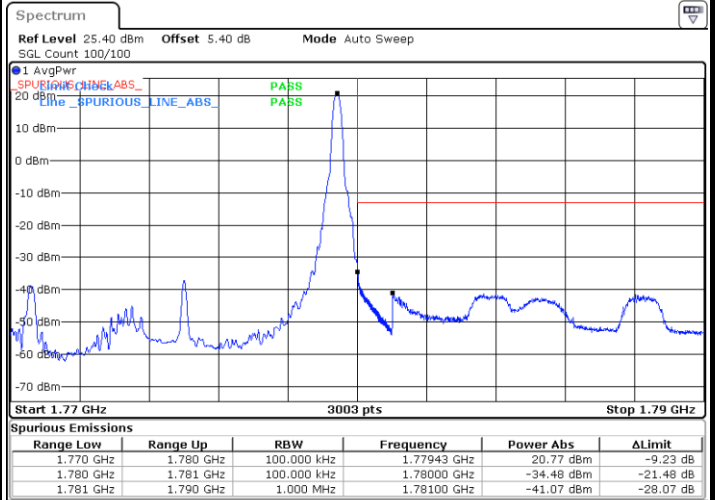
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



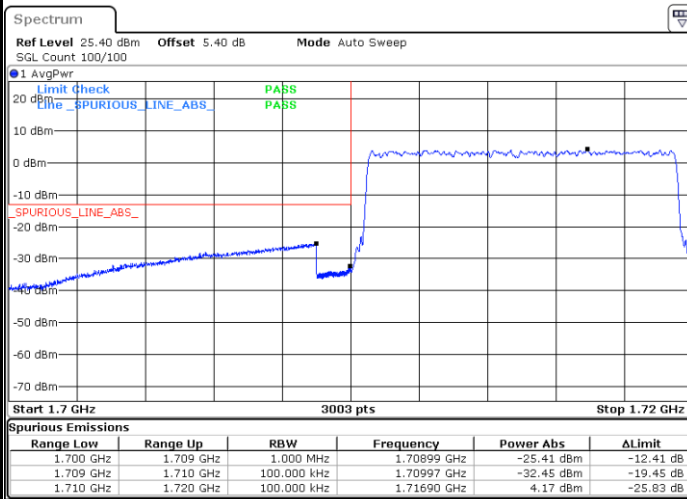
Date: 29.NOV.2021 13:20:18

Highest Band Edge / 1 RB



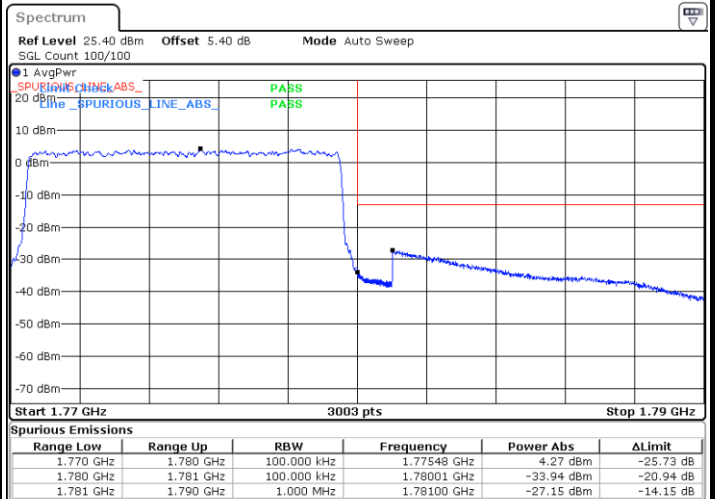
Date: 29.NOV.2021 13:34:23

Lowest Band Edge / Full RB



Date: 29.NOV.2021 13:21:41

Highest Band Edge / Full RB

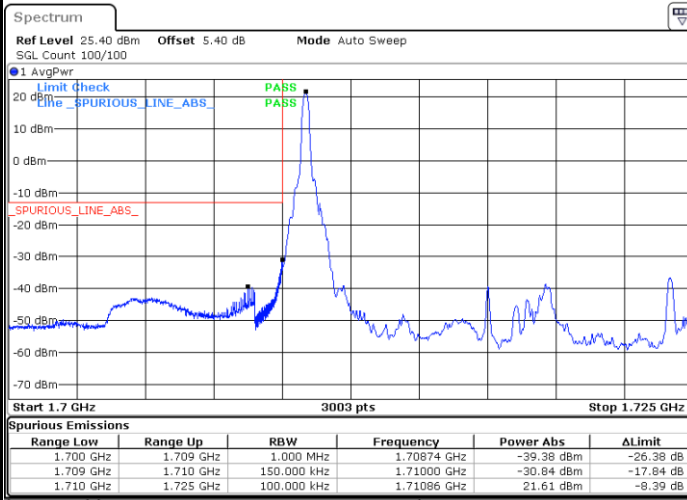


Date: 29.NOV.2021 13:35:46



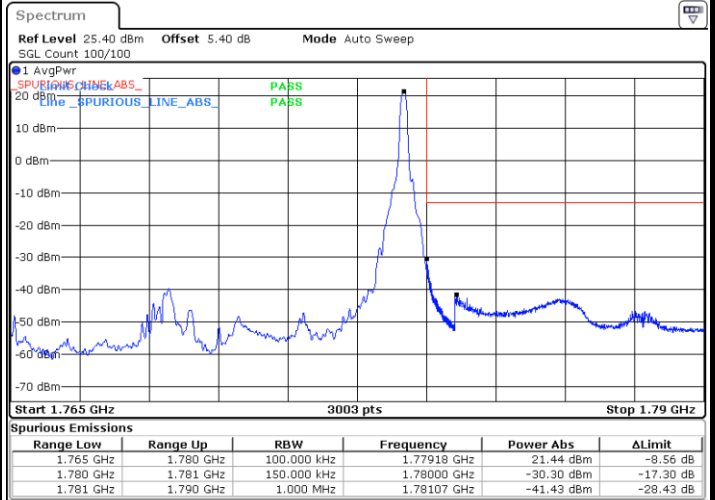
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



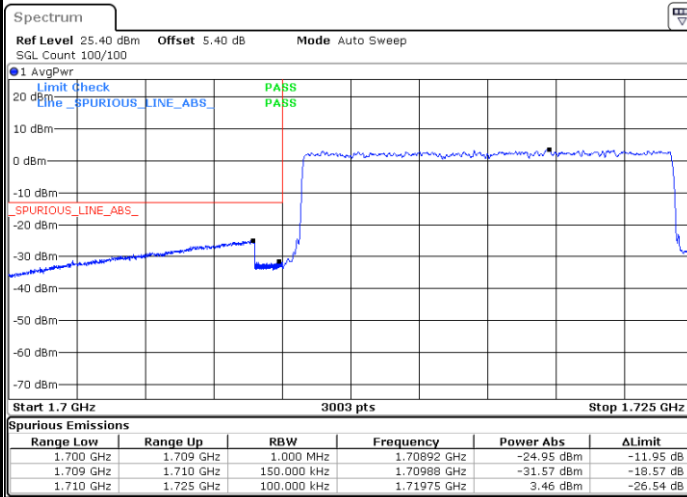
Date: 29.NOV.2021 13:42:40

Highest Band Edge / 1 RB



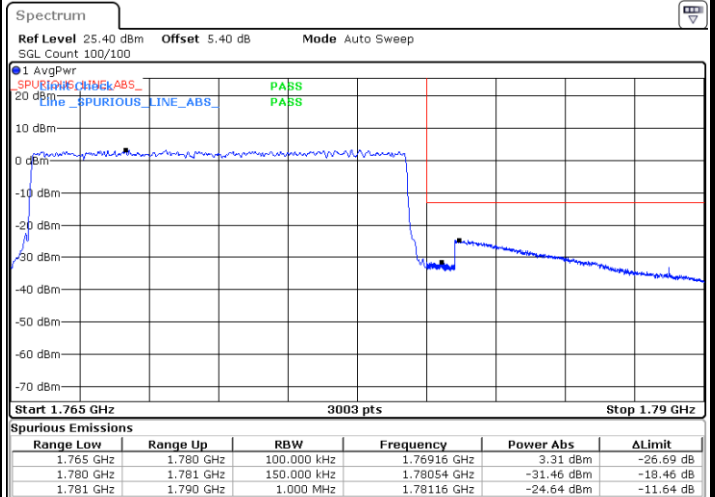
Date: 29.NOV.2021 13:56:45

Lowest Band Edge / Full RB



Date: 29.NOV.2021 13:49:36

Highest Band Edge / Full RB

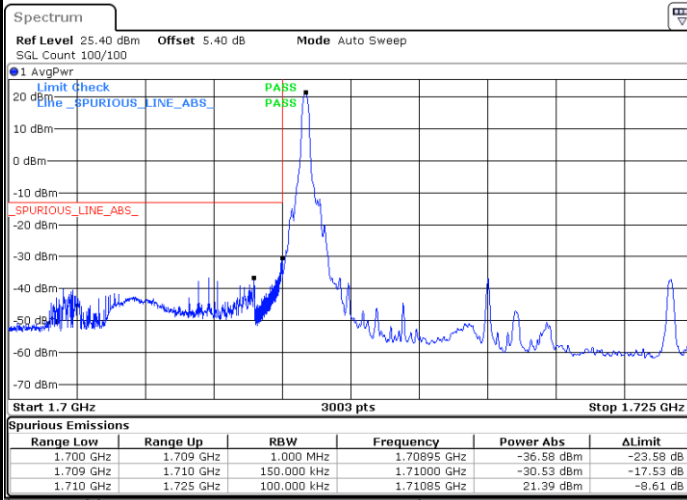


Date: 29.NOV.2021 14:03:41



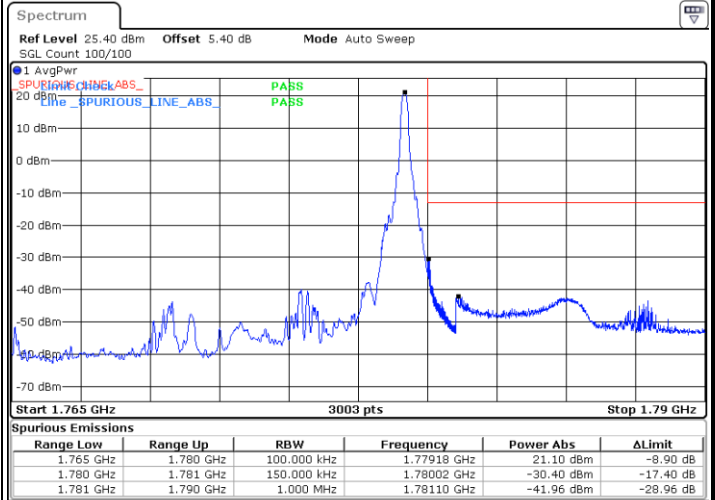
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



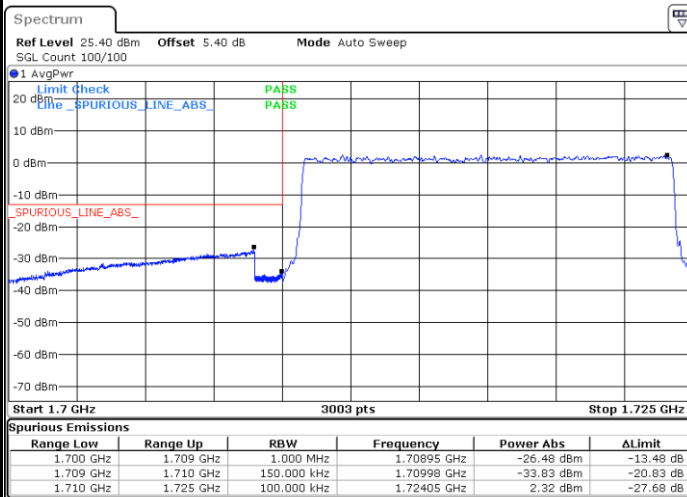
Date: 29.NOV.2021 13:44:03

Highest Band Edge / 1 RB



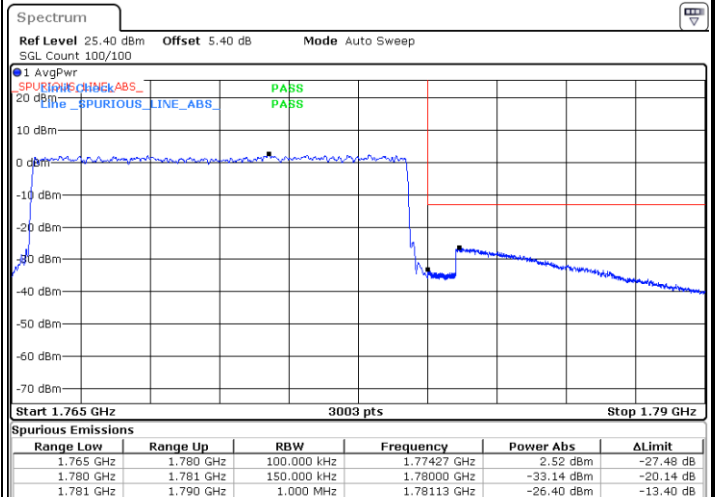
Date: 29.NOV.2021 13:58:08

Lowest Band Edge / Full RB



Date: 29.NOV.2021 13:48:13

Highest Band Edge / Full RB

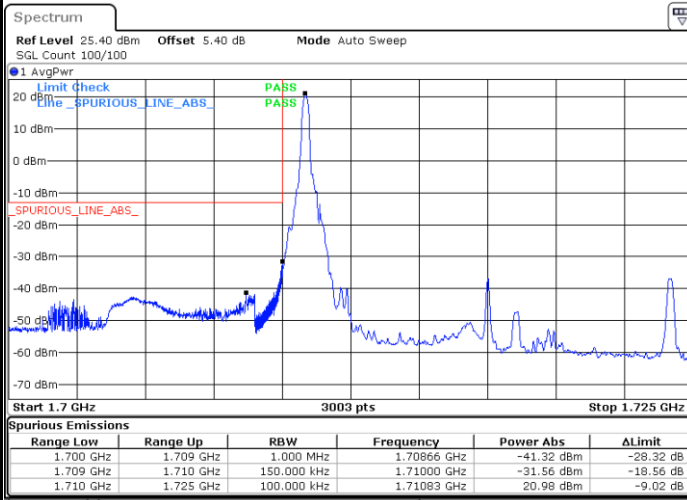


Date: 29.NOV.2021 14:02:18



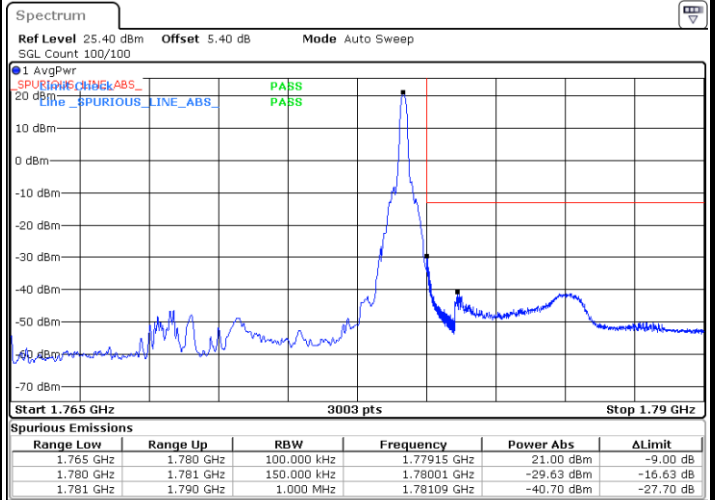
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



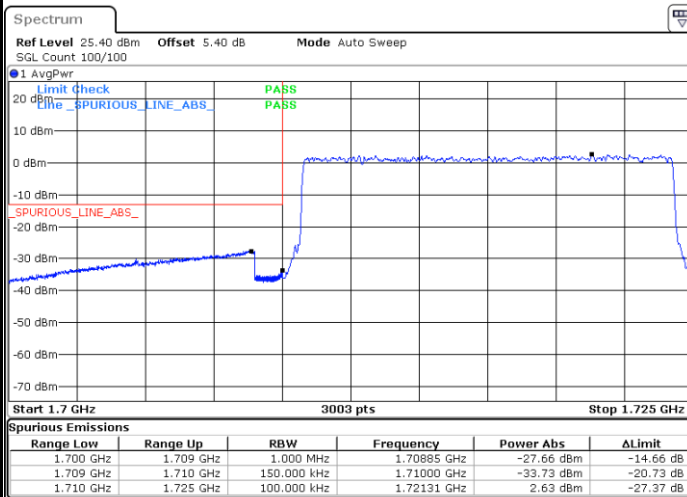
Date: 29.NOV.2021 13:45:26

Highest Band Edge / 1 RB



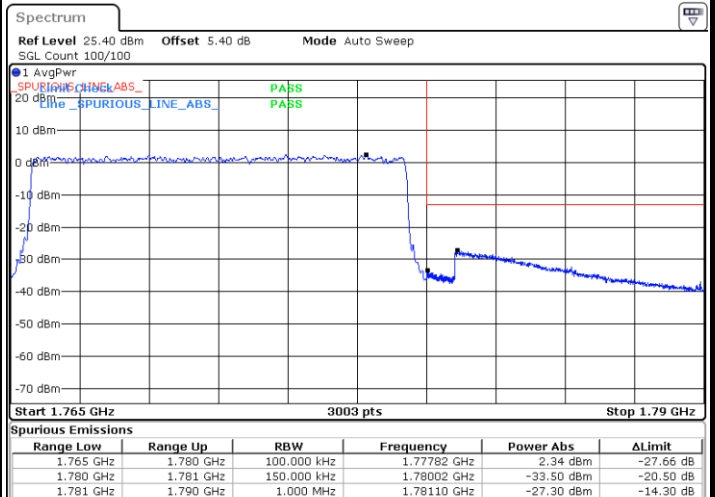
Date: 29.NOV.2021 13:59:31

Lowest Band Edge / Full RB



Date: 29.NOV.2021 13:46:49

Highest Band Edge / Full RB

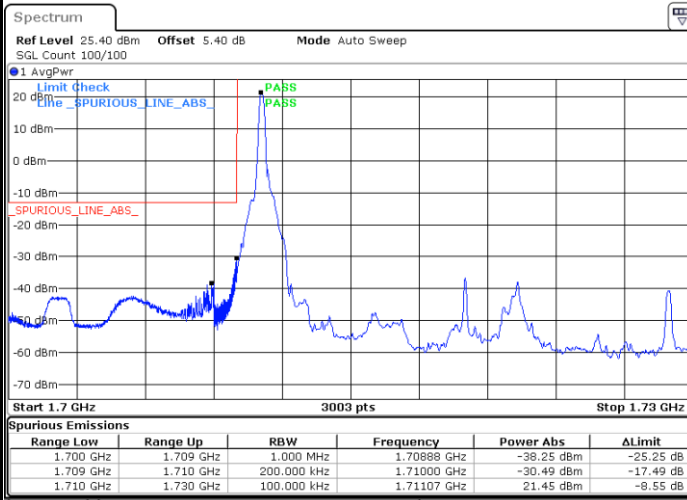


Date: 29.NOV.2021 14:00:55



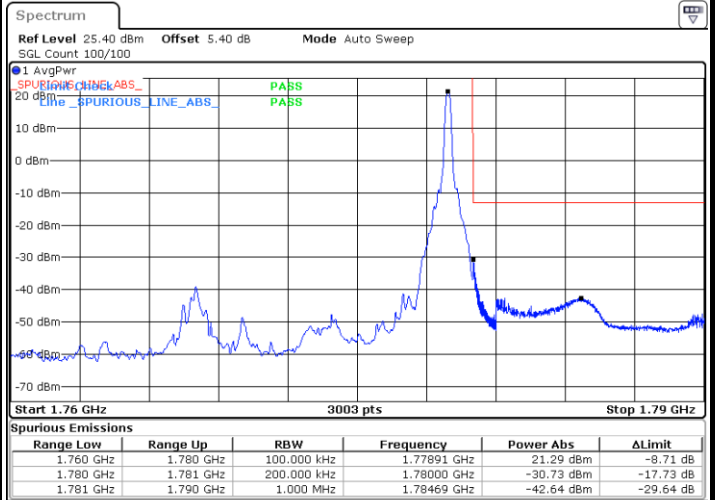
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



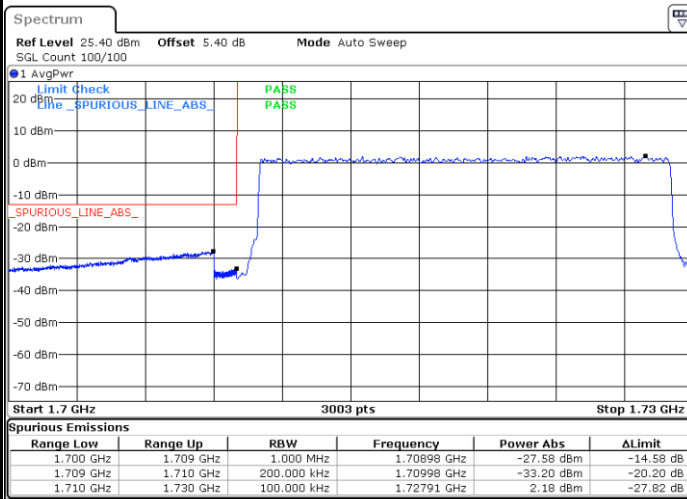
Date: 29.NOV.2021 14:07:48

Highest Band Edge / 1 RB



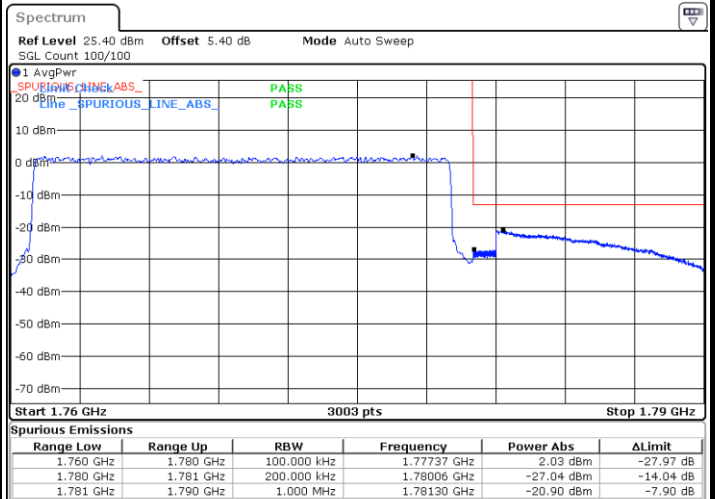
Date: 29.NOV.2021 14:21:54

Lowest Band Edge / Full RB



Date: 29.NOV.2021 14:14:44

Highest Band Edge / Full RB

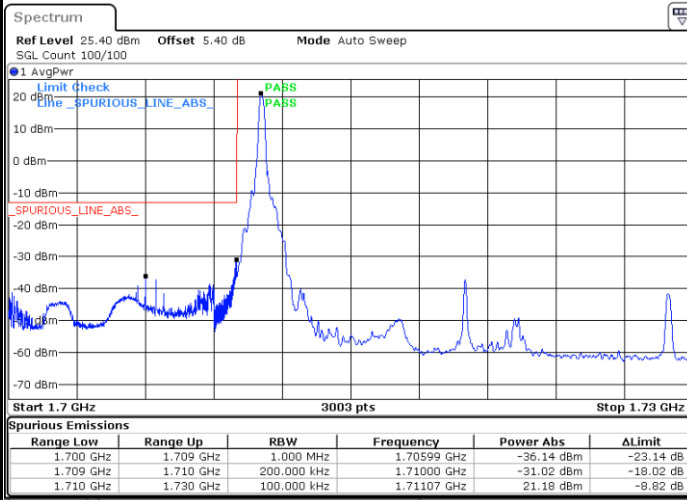


Date: 29.NOV.2021 14:28:50



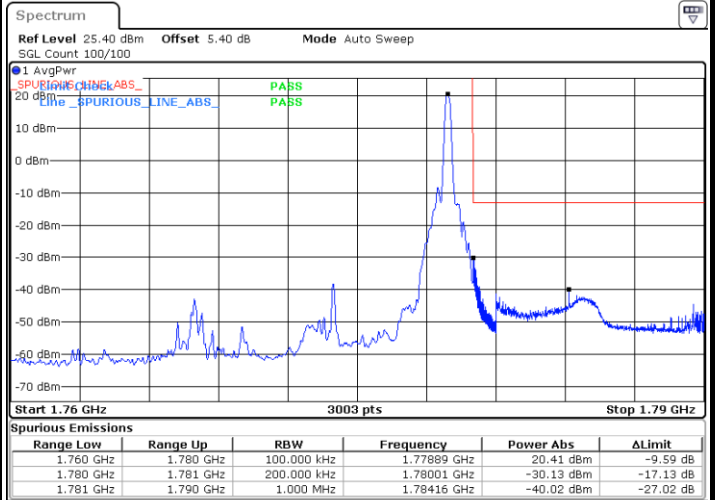
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



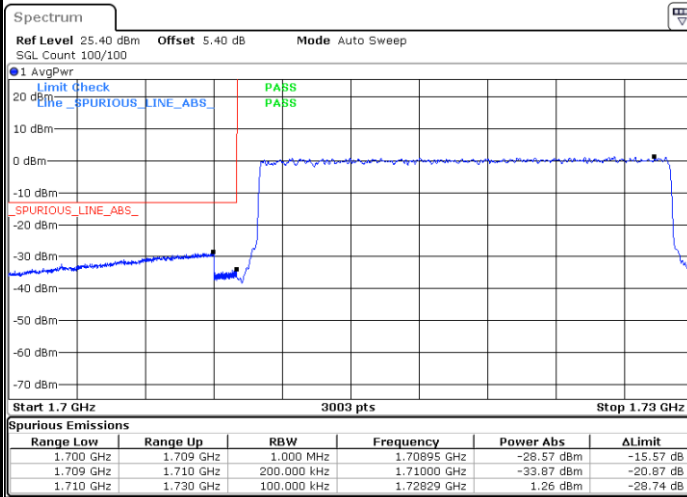
Date: 29.NOV.2021 14:09:11

Highest Band Edge / 1 RB



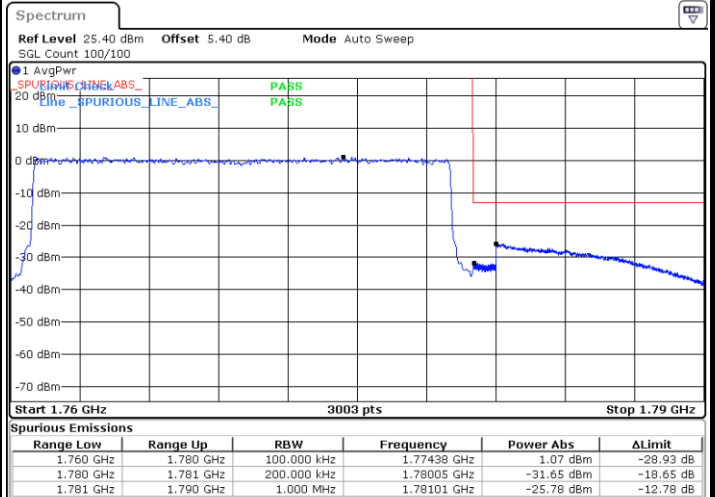
Date: 29.NOV.2021 14:23:17

Lowest Band Edge / Full RB



Date: 29.NOV.2021 14:13:21

Highest Band Edge / Full RB

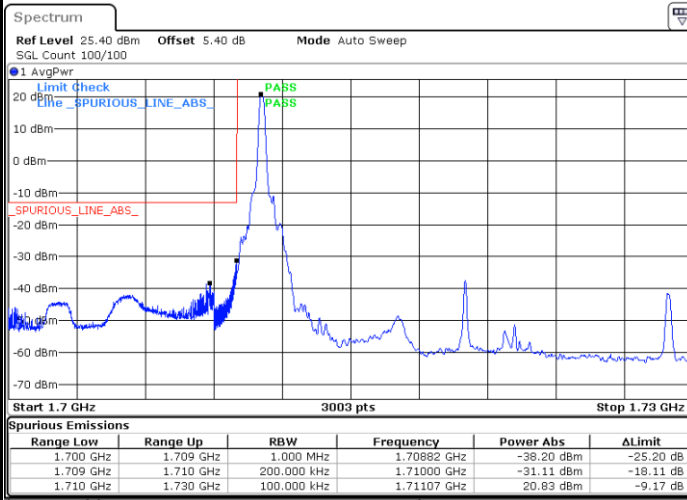


Date: 29.NOV.2021 14:27:27



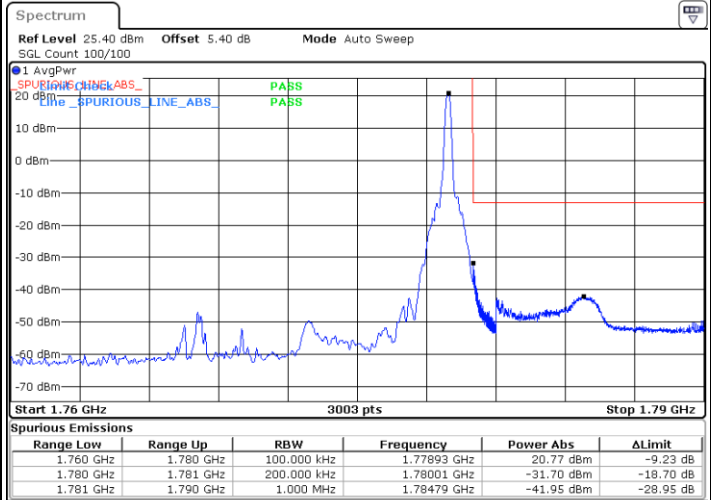
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



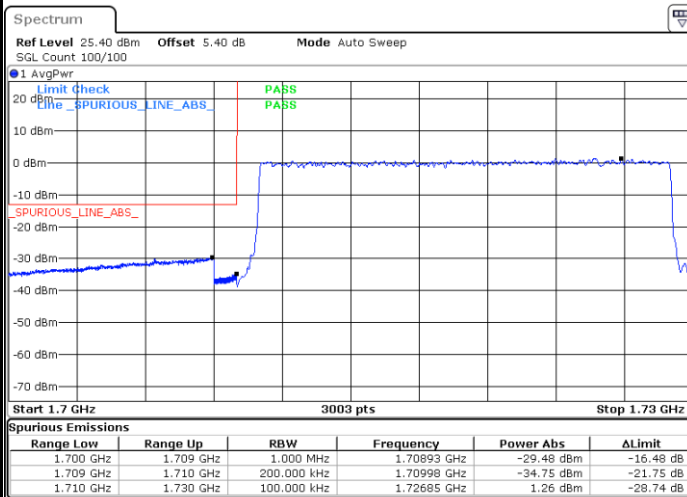
Date: 29.NOV.2021 14:10:34

Highest Band Edge / 1 RB



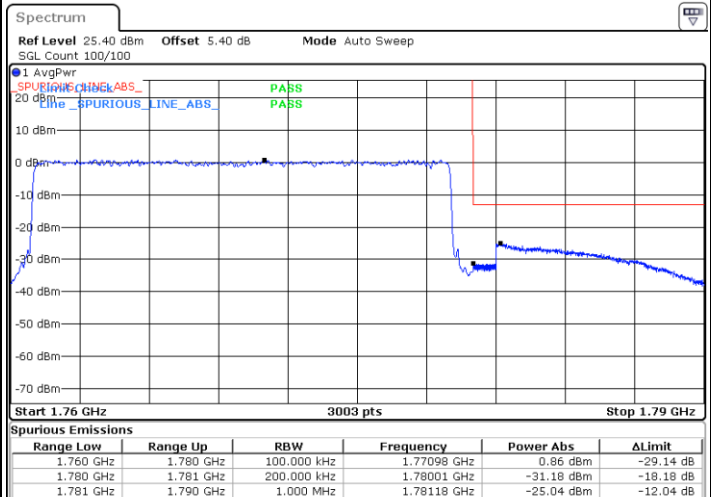
Date: 29.NOV.2021 14:24:41

Lowest Band Edge / Full RB



Date: 29.NOV.2021 14:11:58

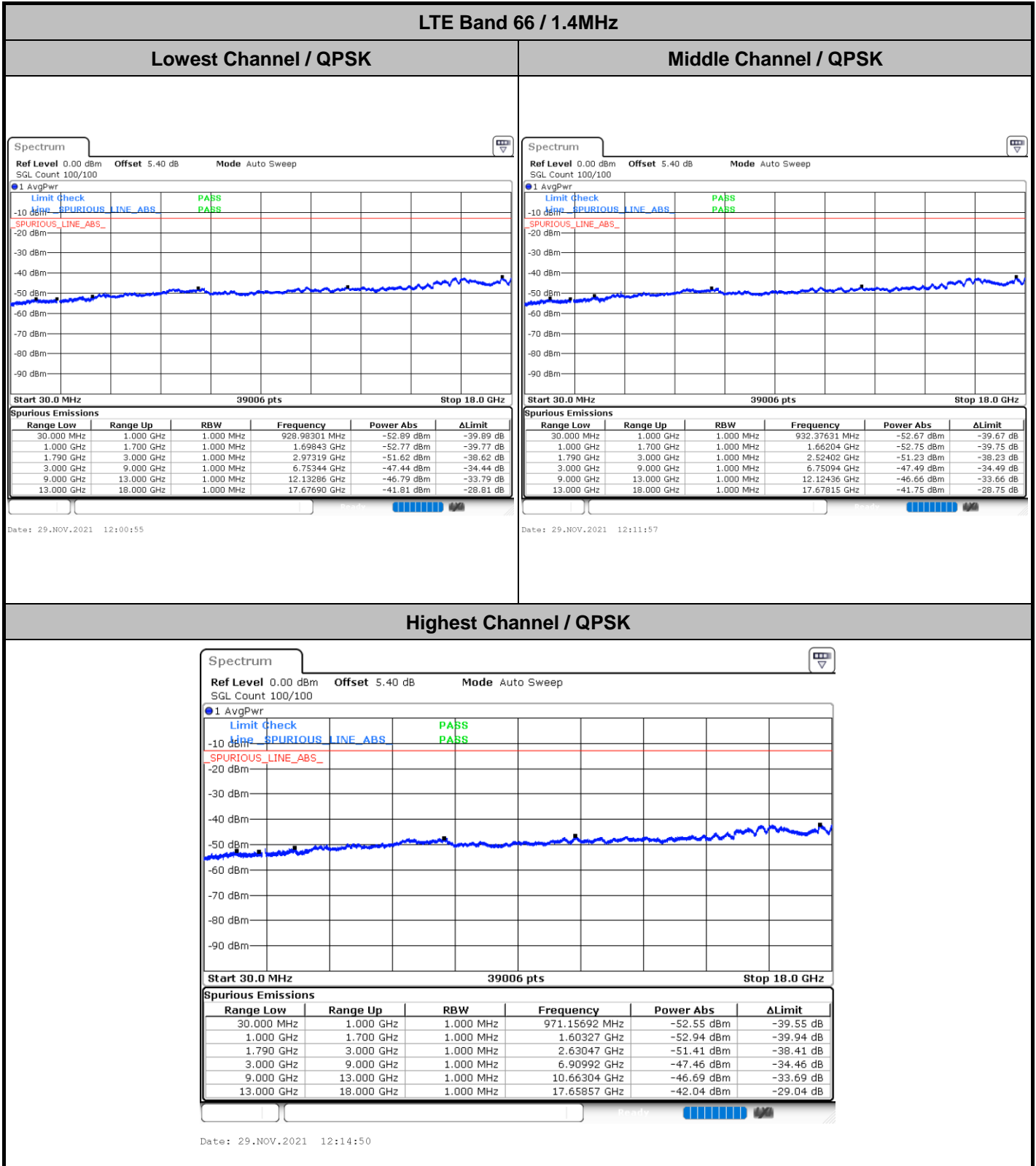
Highest Band Edge / Full RB



Date: 29.NOV.2021 14:26:04



Conducted Spurious Emission

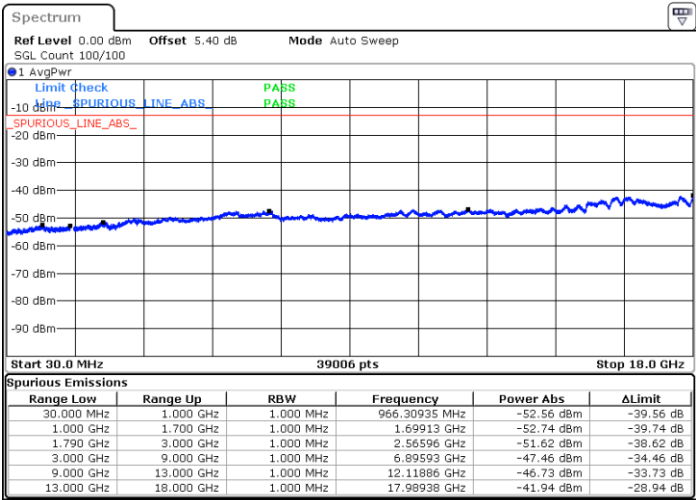




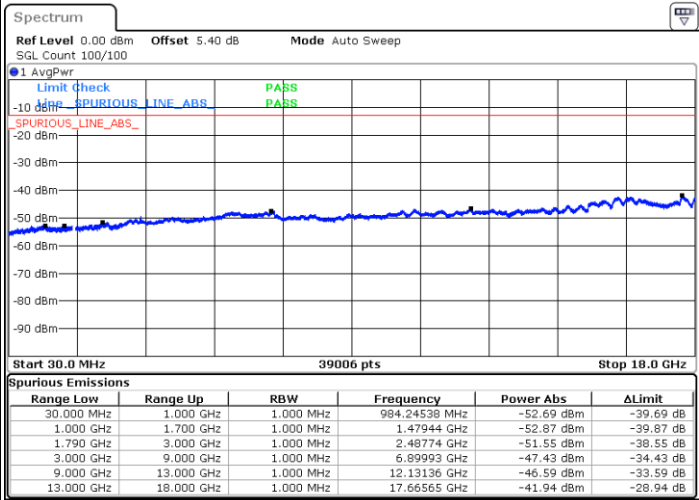
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

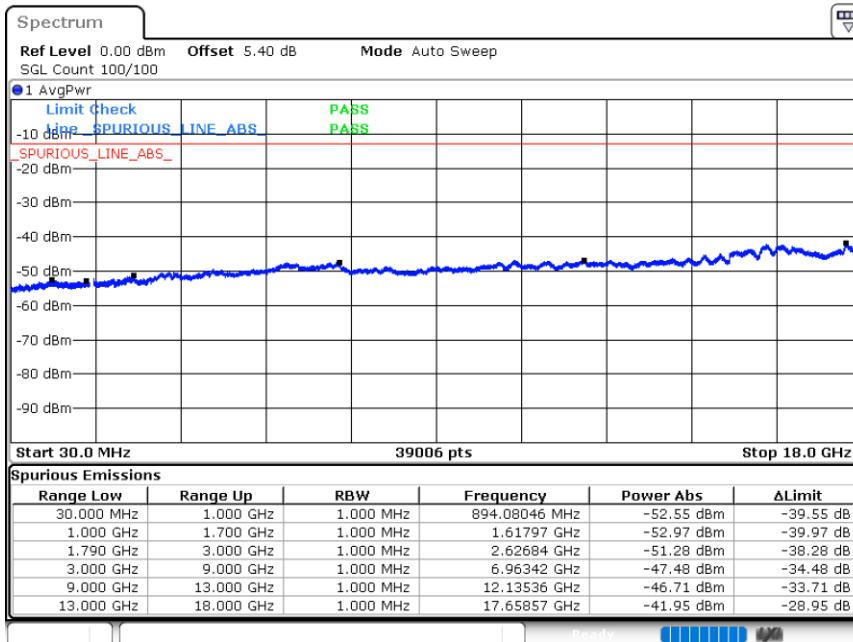


Date: 29.NOV.2021 12:26:02



Date: 29.NOV.2021 12:37:04

Highest Channel / QPSK

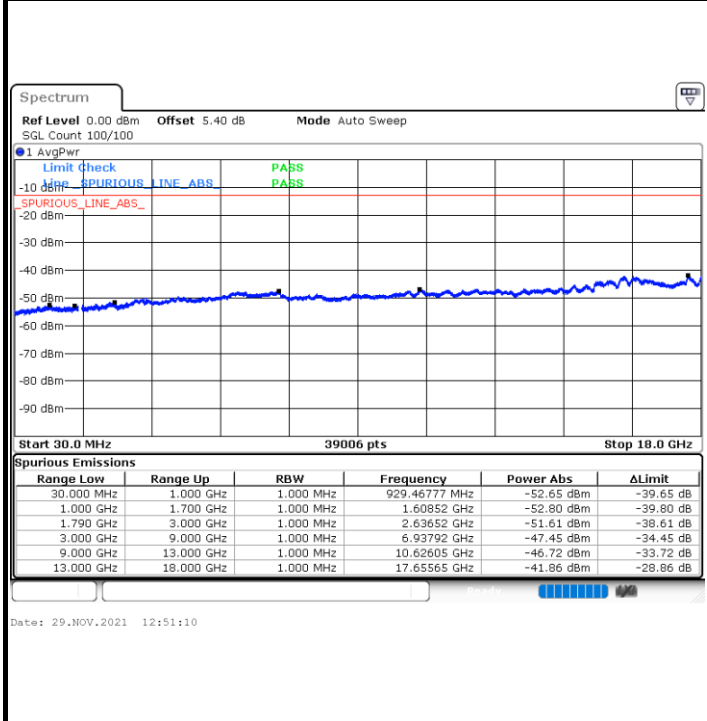


Date: 29.NOV.2021 12:39:57

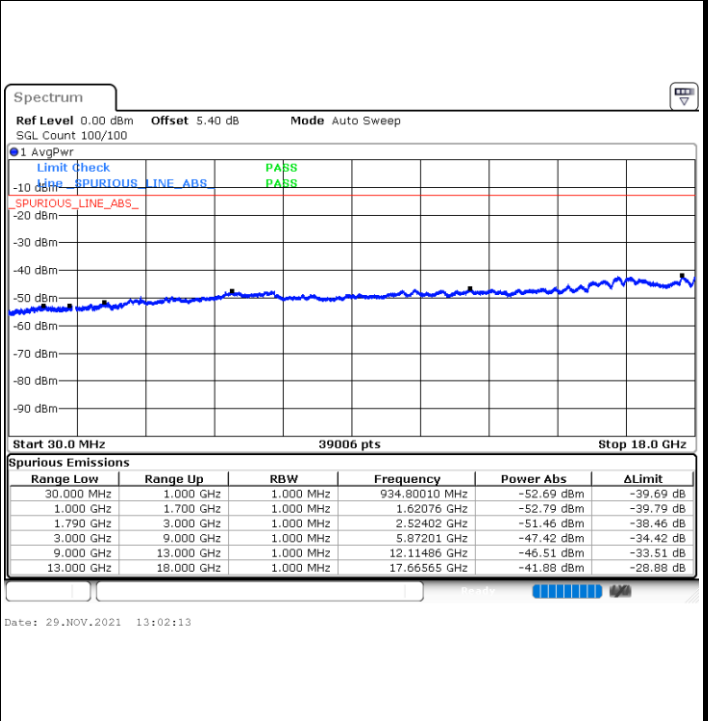


LTE Band 66 / 5MHz

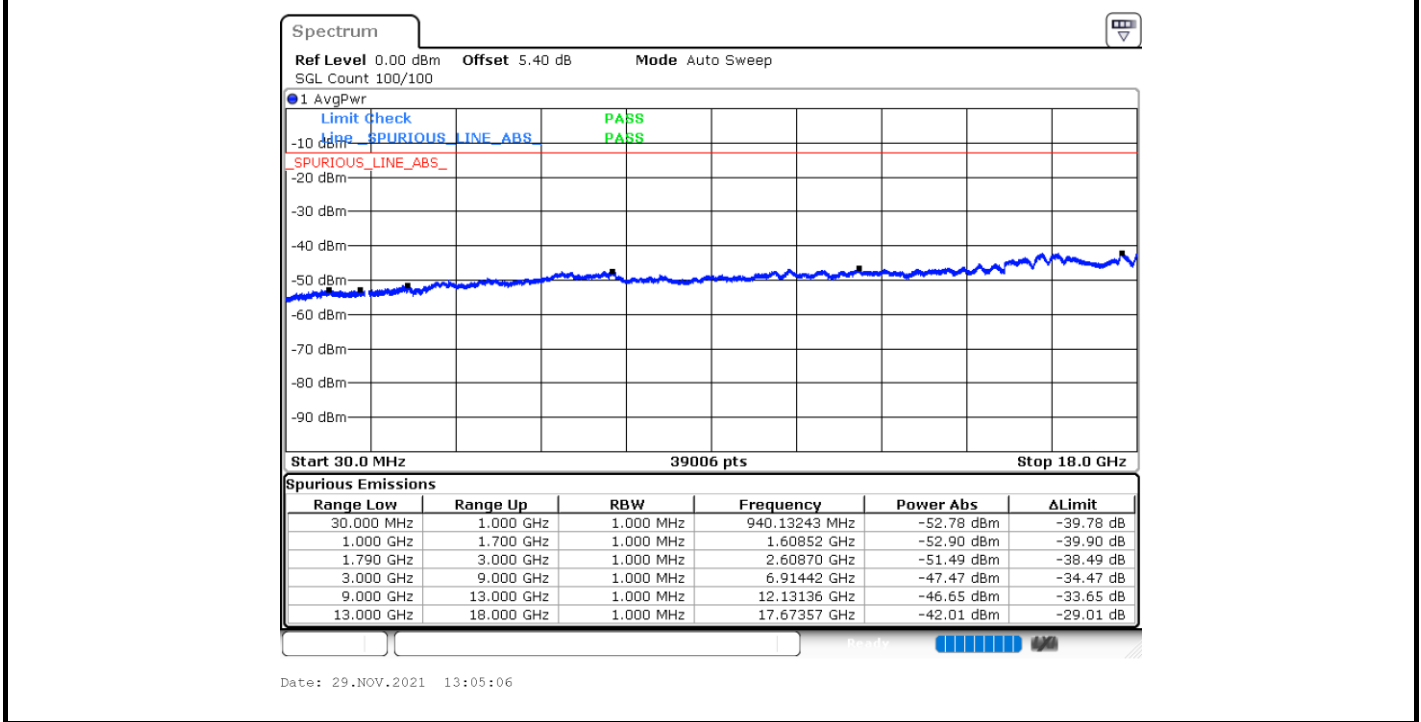
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

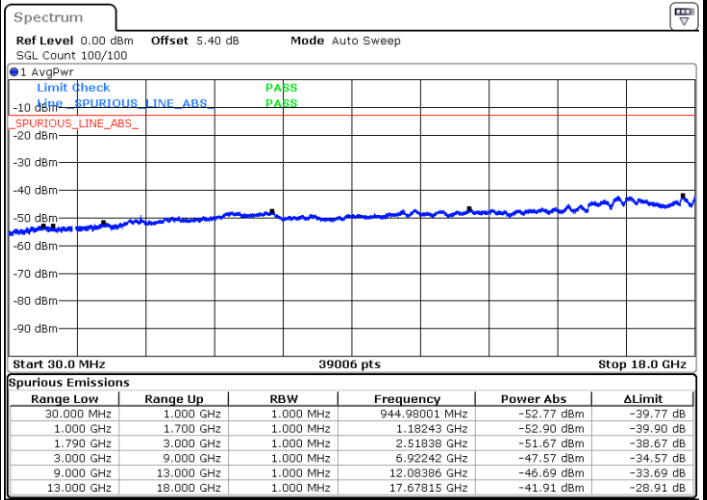
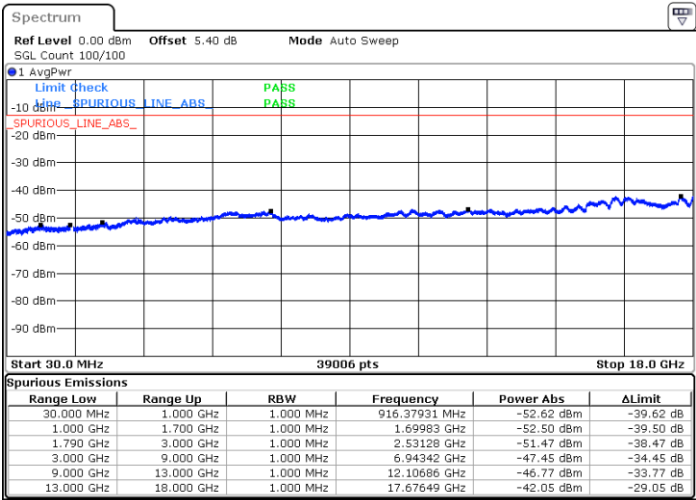




LTE Band 66 / 10MHz

Lowest Channel / QPSK

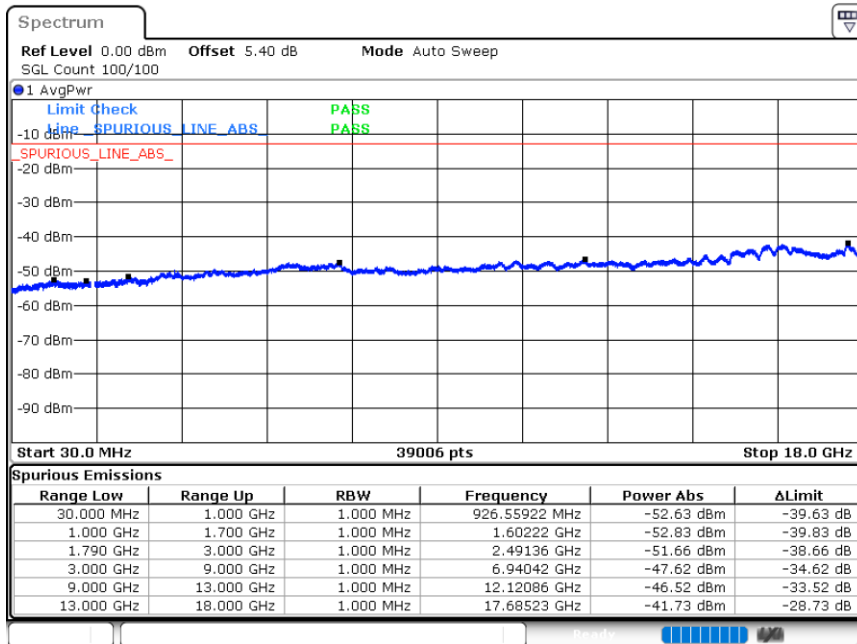
Middle Channel / QPSK



Date: 29.NOV.2021 13:16:18

Date: 29.NOV.2021 13:27:21

Highest Channel / QPSK



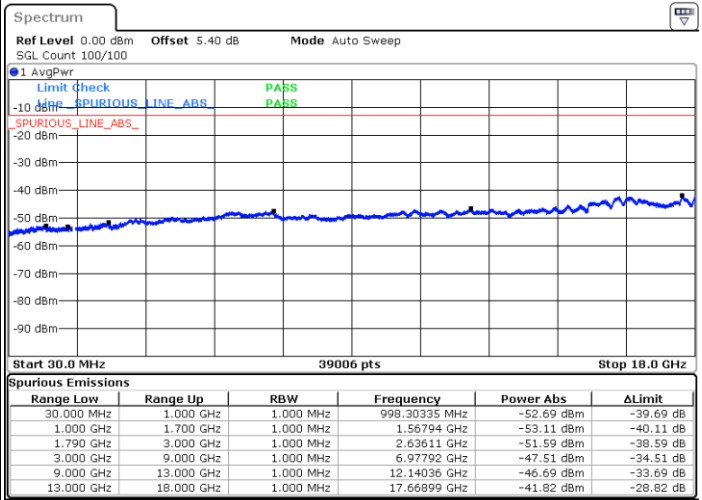
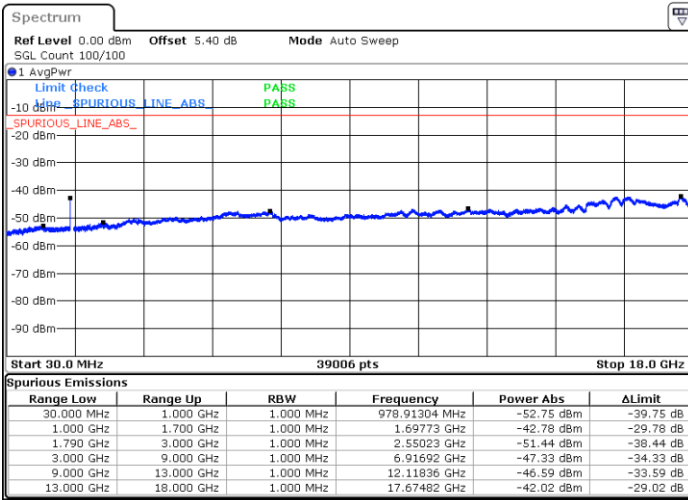
Date: 29.NOV.2021 13:30:14



LTE Band 66 / 15MHz

Lowest Channel / QPSK

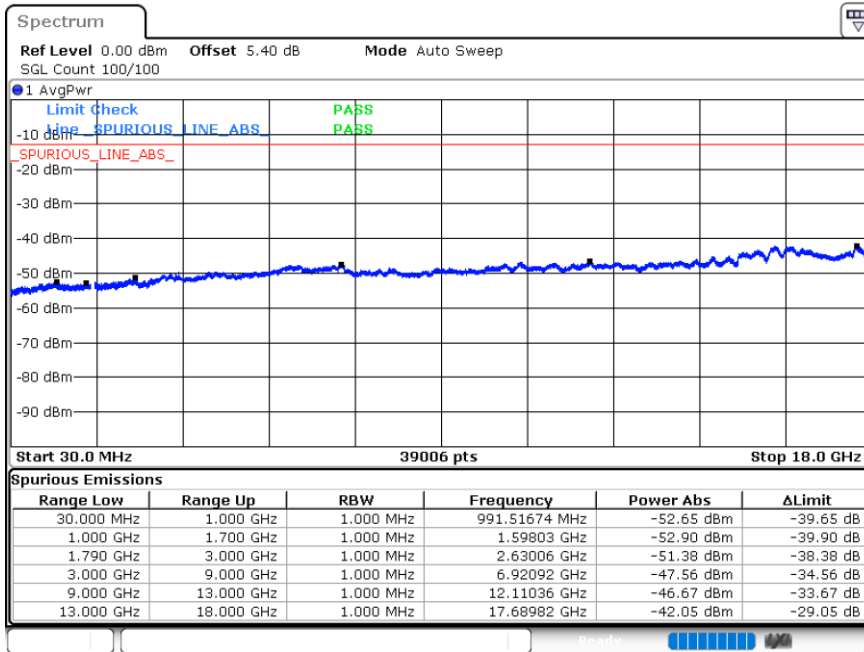
Middle Channel / QPSK



Date: 29.NOV.2021 13:41:26

Date: 29.NOV.2021 13:52:29

Highest Channel / QPSK



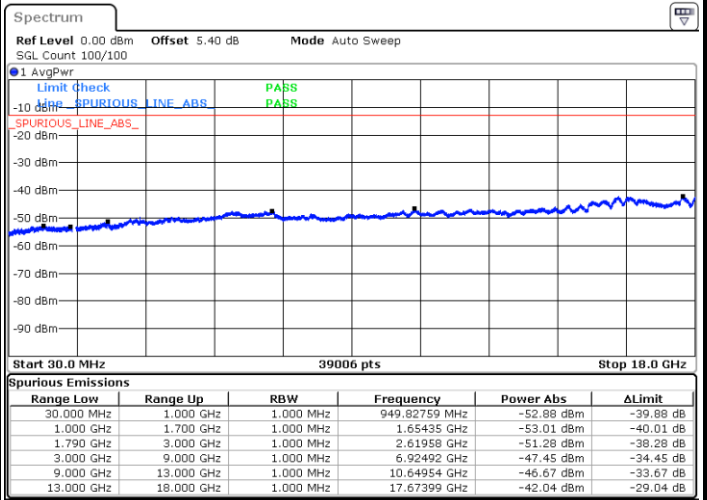
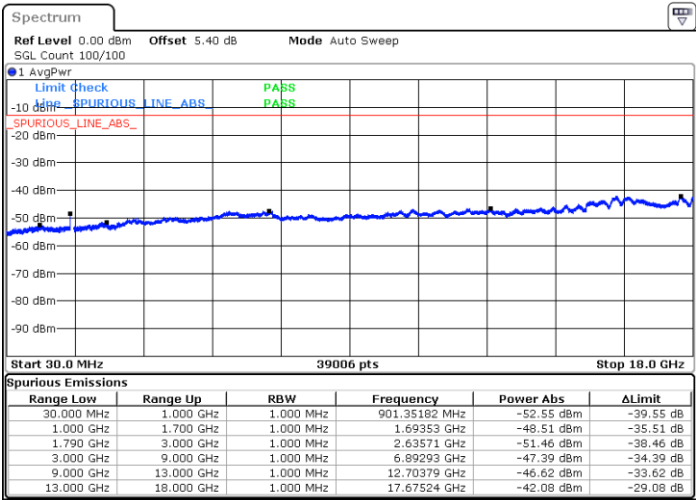
Date: 29.NOV.2021 13:55:22



LTE Band 66 / 20MHz

Lowest Channel / QPSK

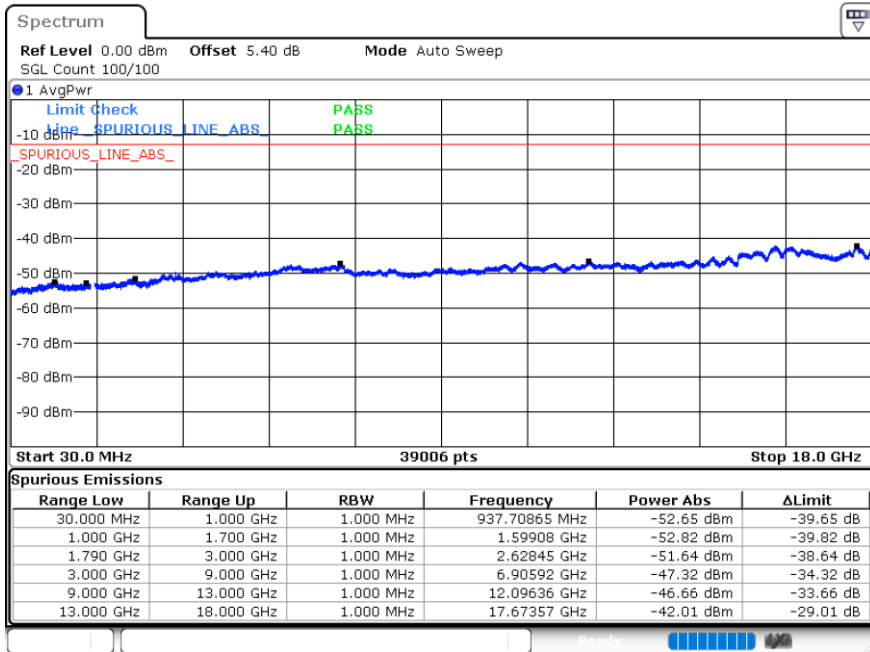
Middle Channel / QPSK



Date: 29.NOV.2021 14:06:34

Date: 29.NOV.2021 14:17:37

Highest Channel / QPSK



Date: 29.NOV.2021 14:20:31



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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%

Note: Pre-scanned harmonic for the different antenna, we choose the worst antenna mode to test.

LTE Band 2 / 20MHz / QPSK for Ant.0								
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	-56.81	-13	-43.81	-69.07	2.64	14.90	H
	5613	-53.98	-13	-40.98	-65.84	2.94	14.80	H
	7488	-52.99	-13	-39.99	-62.76	3.39	13.16	H
	3741	-56.67	-13	-43.67	-68.93	2.64	14.90	V
	5613.27	-53.85	-13	-40.85	-65.71	2.94	14.80	V
	7488	-52.66	-13	-39.66	-62.43	3.39	13.16	V

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

LTE Band 12 / 10MHz / QPSK for Ant.0								
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	1406	-33.55	-13	-20.55	-40.52	1.58	10.70	H
	2110	-38.05	-13	-25.05	-46.30	2.102	12.50	H
	2812	-41.48	-13	-28.48	-50.37	2.856	13.90	H
	3516	-50.16	-13	-37.16	-58.62	2.689	13.30	H
	4218	-53.22	-13	-40.22	-60.98	3.093	13.00	H
	1406	-32.49	-13	-19.49	-39.46	1.58	10.70	V
	2110	-40.52	-13	-27.52	-48.77	2.10	12.50	V
	2812	-39.36	-13	-26.36	-48.25	2.86	13.90	V
	3516	-49.03	-13	-36.03	-57.49	2.69	13.30	V
	4218	-54.45	-13	-41.45	-62.21	3.09	13.00	V

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



LTE Band 13 / 5MHz / QPSK for Ant.0								
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	-61.83	-42.15	-19.68	-64.46	1.09	5.87	H
	2340	-59.02	-13	-46.02	-61.42	1.37	5.92	H
	3120	-59.98	-13	-46.98	-63.87	1.64	7.68	H
	1560	-62.21	-42.15	-20.06	-64.84	1.09	5.87	V
	2340	-58.1	-13	-45.10	-60.50	1.37	5.92	V
	3120	-61.62	-13	-48.62	-65.51	1.64	7.68	V

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

LTE Band 13 / 10MHz / QPSK for Ant.0								
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	1556	-35.86	-13	-22.86	-38.49	1.09	5.87	H
	2332	-43.29	-13	-30.29	-45.69	1.37	5.92	H
	3108	-47.55	-13	-34.55	-51.44	1.64	7.68	H
	3888	-53.88	-13	-40.88	-58.11	2.03	8.41	H
	1554	-38.78	-13	-25.78	-41.41	1.09	5.87	V
	2332	-46.69	-13	-33.69	-49.09	1.37	5.92	V
	3108	-49.90	-13	-36.90	-53.79	1.64	7.68	V
	3888	-53.67	-13	-40.67	-57.90	2.03	8.41	V

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

LTE Band 26 / 15MHz / QPSK for Ant.0								
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	1660	-29.10	-13	-16.10	-36.07	1.58	10.70	H
	2490	-38.83	-13	-25.83	-47.08	2.102	12.50	H
	3318	-47.74	-13	-34.74	-56.63	2.856	13.90	H
	1660	-32.63	-13	-19.63	-39.60	1.58	10.70	V
	2490	-39.75	-13	-26.75	-48.00	2.10	12.50	V
	3318	-48.67	-13	-35.67	-57.56	2.86	13.90	V

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



LTE Band 66 / 20MHz / QPSK for Ant.0								
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	-37.55	-13	-24.55	-48.29	2.604	13.34	H
	5208	-43.73	-13	-30.73	-54.24	3.011	13.52	H
	6948	-54.69	-13	-41.69	-64.89	3.271	13.47	H
	3471	-35.09	-13	-22.09	-45.83	2.604	13.34	V
	5208	-46.80	-13	-33.80	-57.31	3.011	13.52	V
	6948	-54.58	-13	-41.58	-64.78	3.271	13.47	V

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