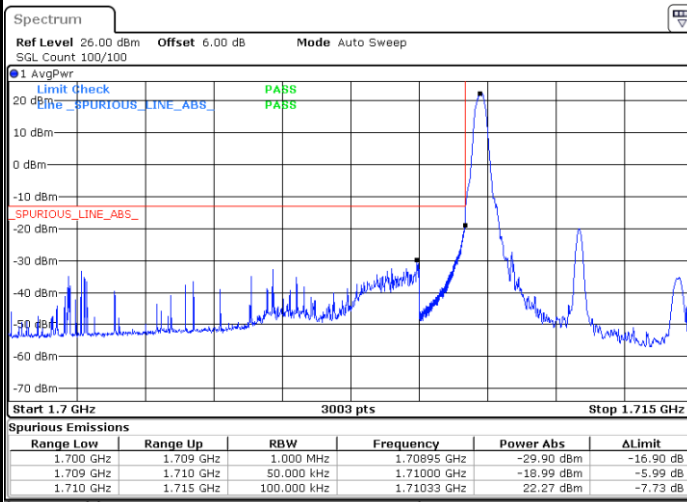




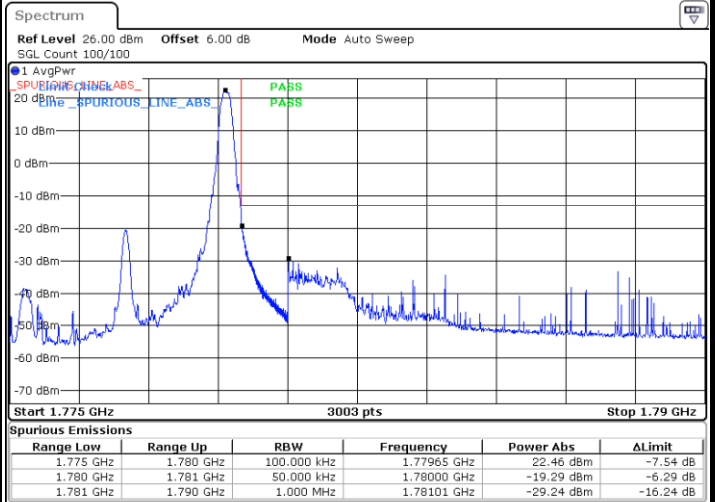
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



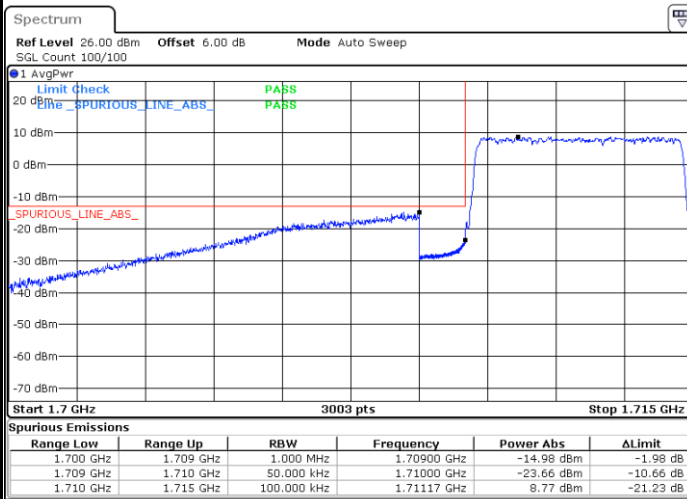
Date: 17.NOV.2021 20:26:49

Highest Band Edge / 1 RB



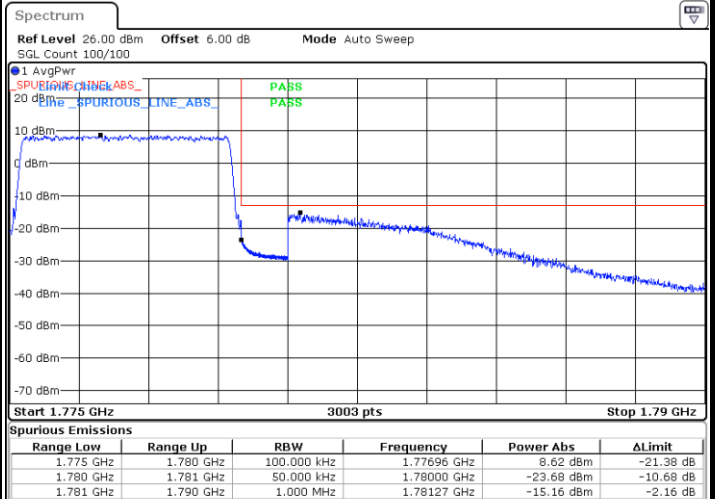
Date: 17.NOV.2021 20:18:54

Lowest Band Edge / Full RB



Date: 17.NOV.2021 20:24:33

Highest Band Edge / Full RB

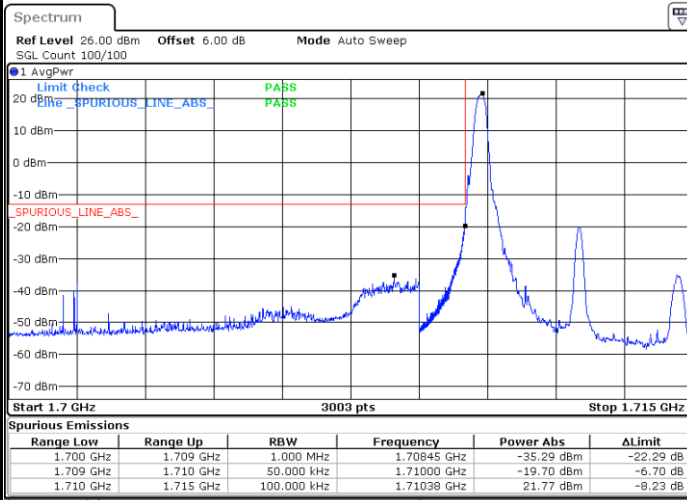


Date: 17.NOV.2021 20:21:23



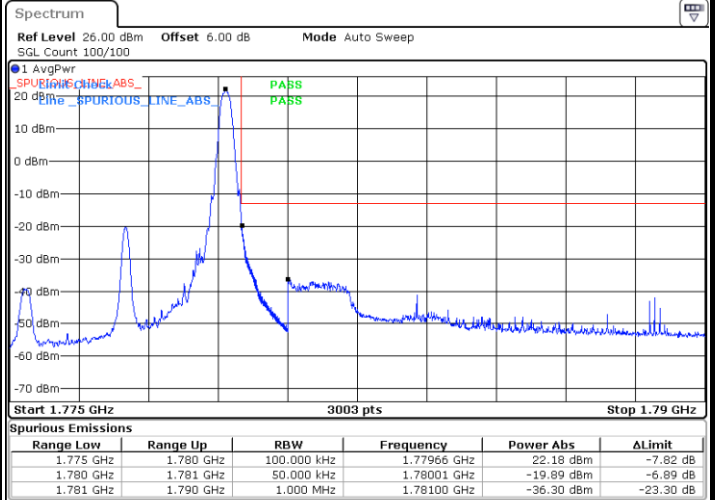
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1RB



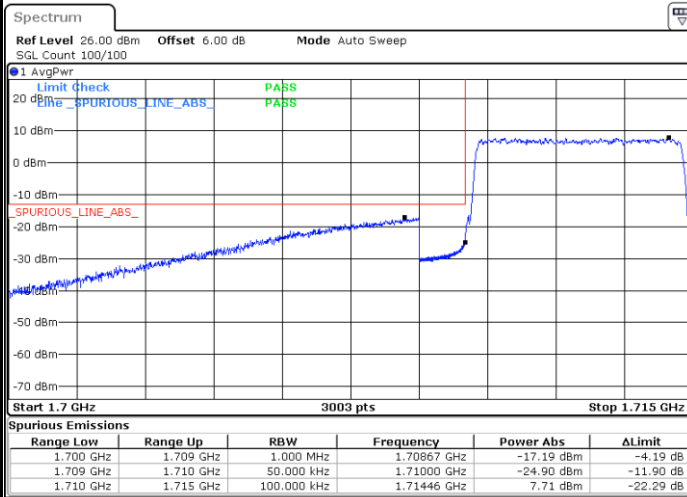
Date: 17.NOV.2021 20:26:21

Highest Band Edge / 1 RB



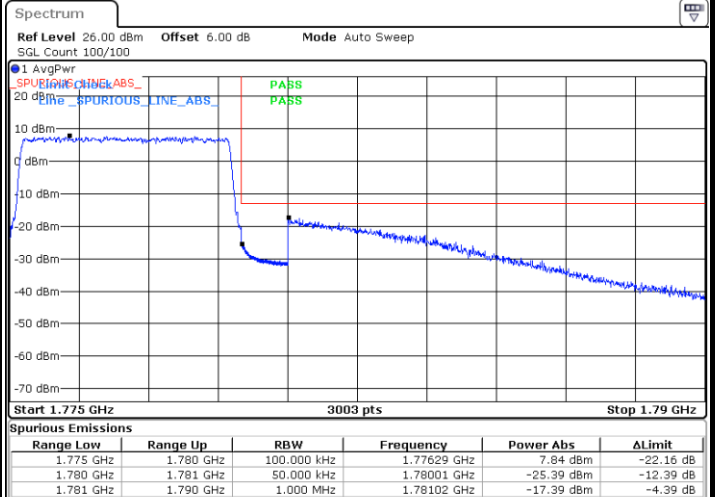
Date: 17.NOV.2021 20:19:19

Lowest Band Edge / Full RB



Date: 17.NOV.2021 20:25:01

Highest Band Edge / Full RB

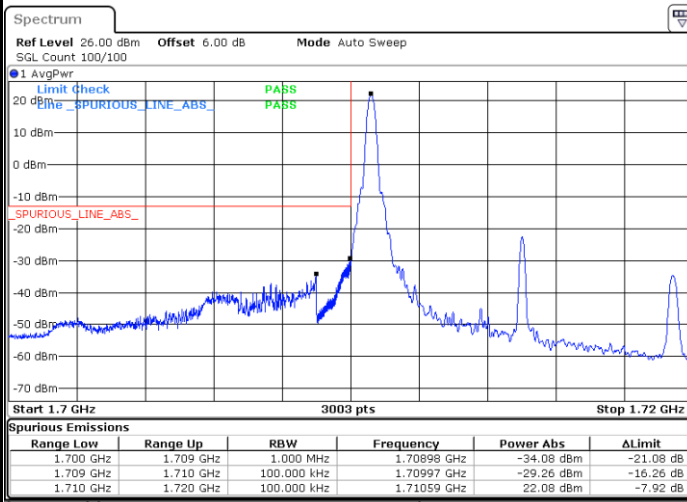


Date: 17.NOV.2021 20:20:58



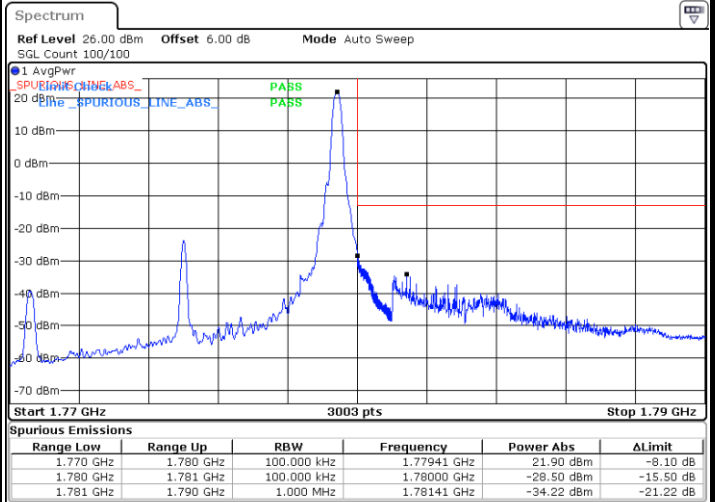
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



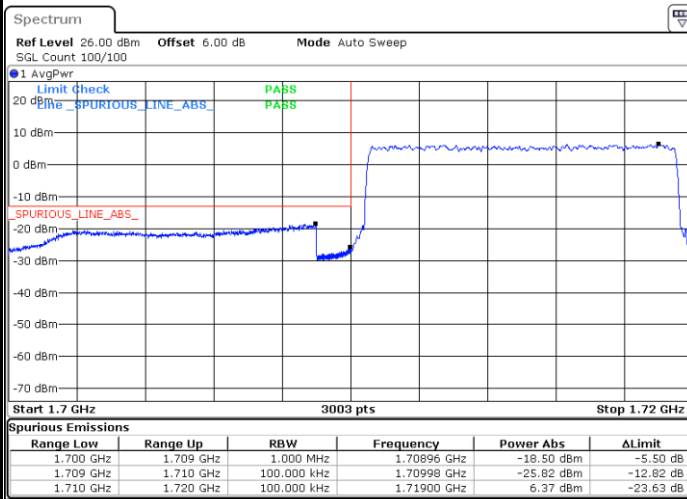
Date: 17.NOV.2021 19:52:58

Highest Band Edge / 1 RB



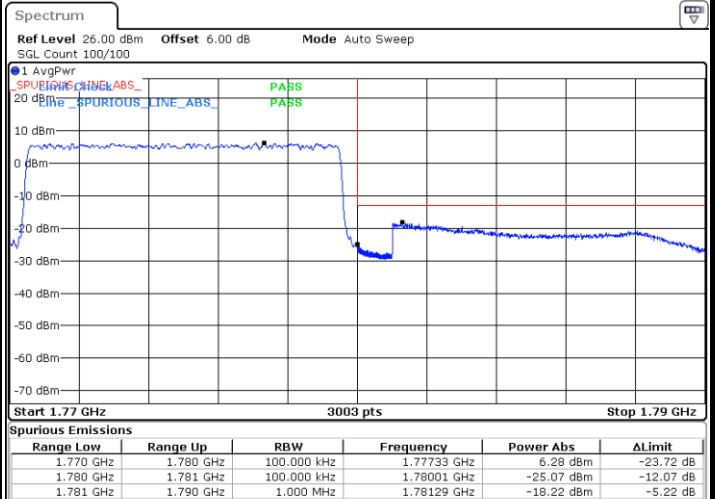
Date: 17.NOV.2021 19:59:15

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:55:32

Highest Band Edge / Full RB

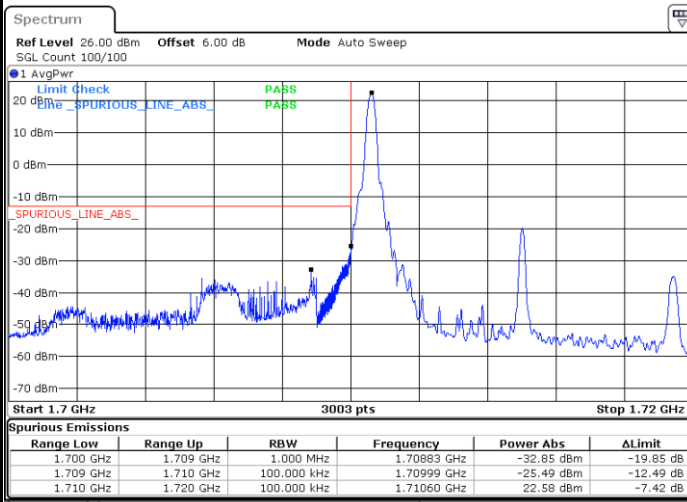


Date: 17.NOV.2021 19:56:15



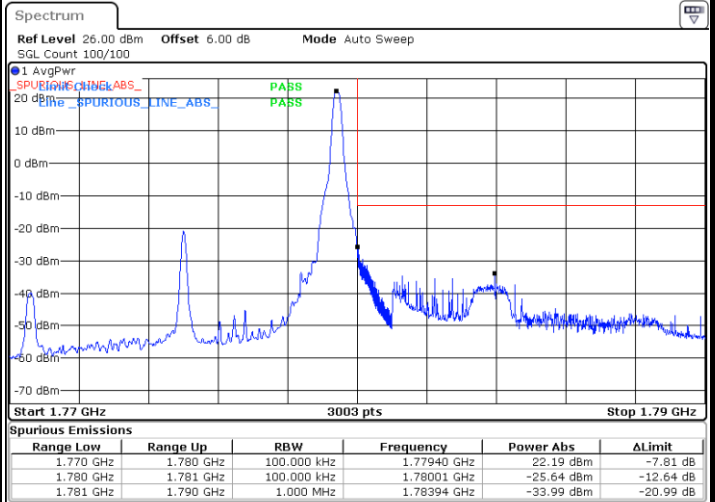
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



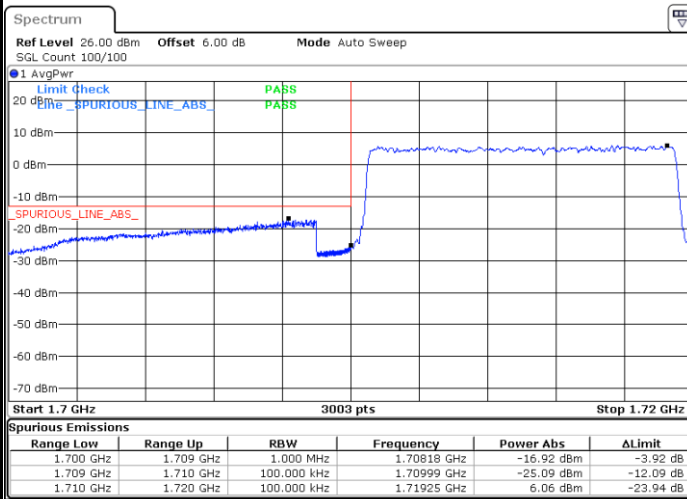
Date: 17.NOV.2021 19:53:19

Highest Band Edge / 1 RB



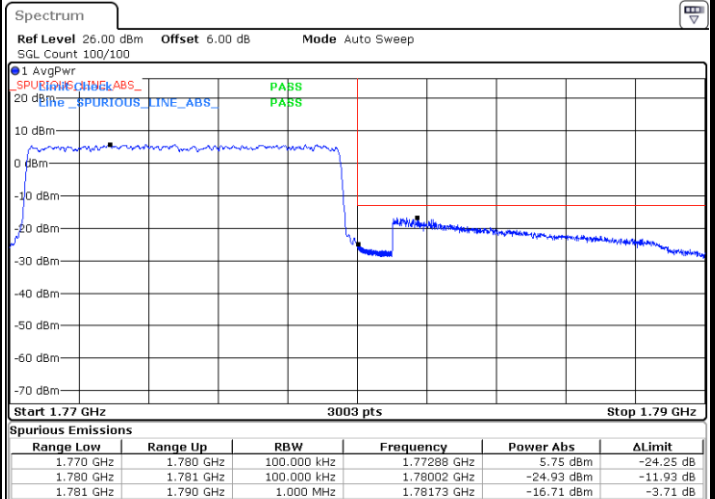
Date: 17.NOV.2021 19:59:41

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:55:06

Highest Band Edge / Full RB

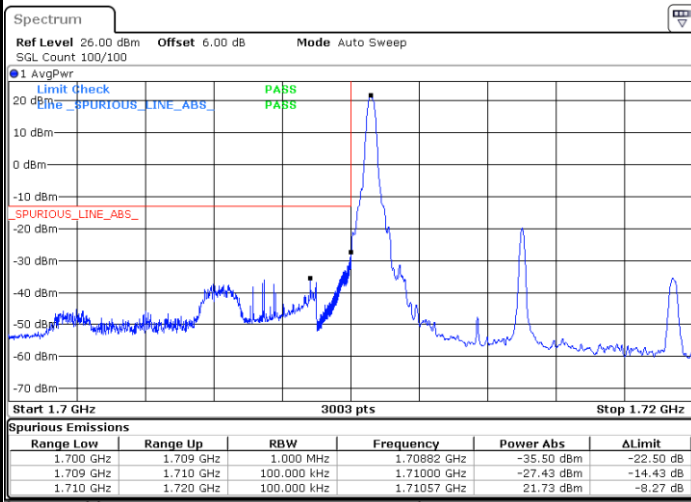


Date: 17.NOV.2021 19:56:38



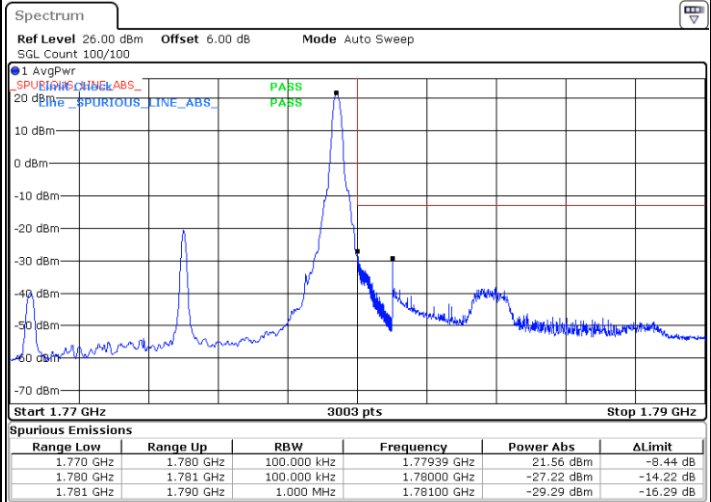
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



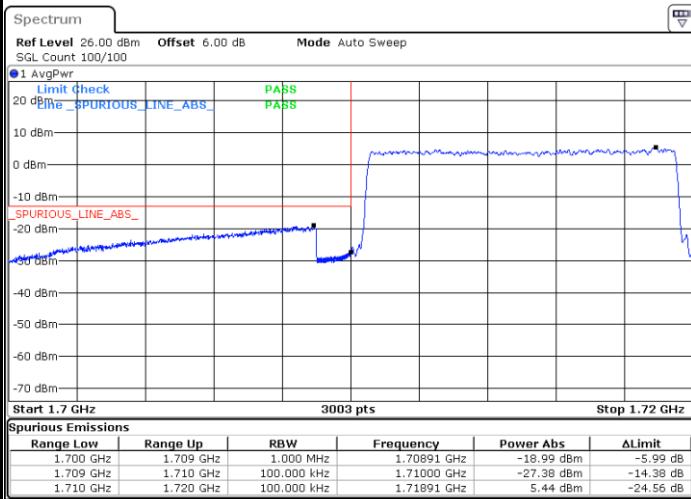
Date: 17.NOV.2021 19:53:40

Highest Band Edge / 1 RB



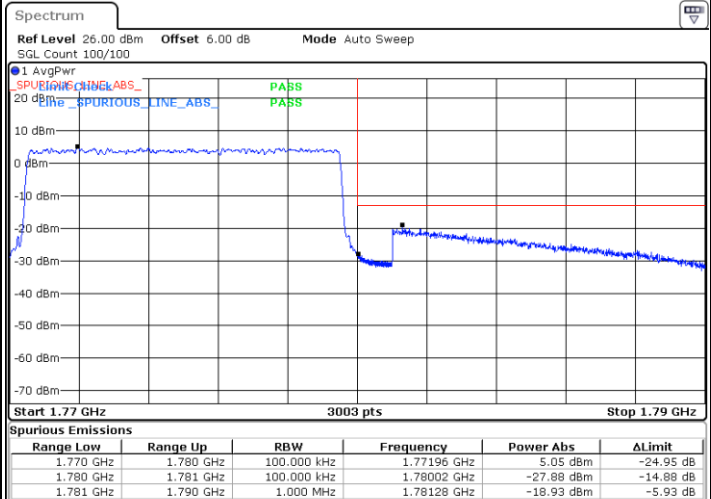
Date: 17.NOV.2021 19:58:31

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:54:45

Highest Band Edge / Full RB

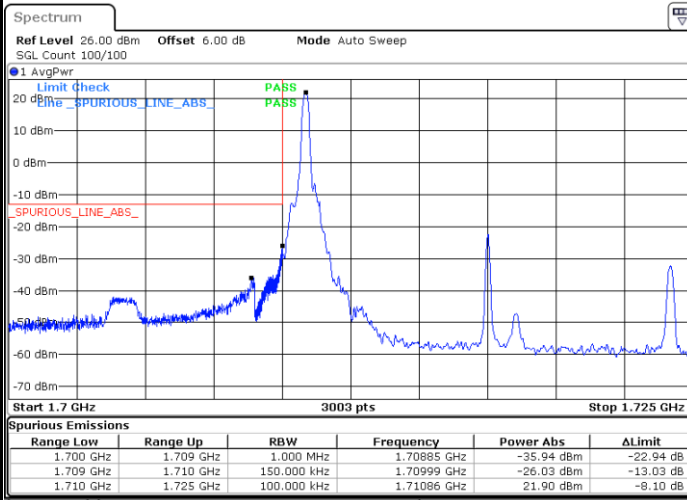


Date: 17.NOV.2021 19:57:09



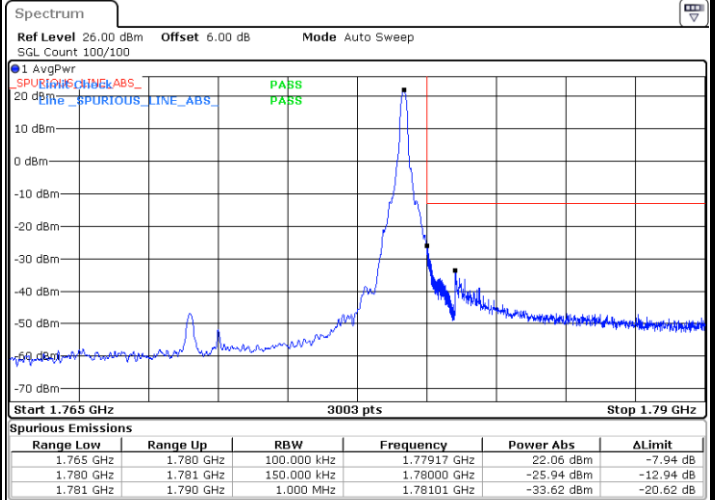
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



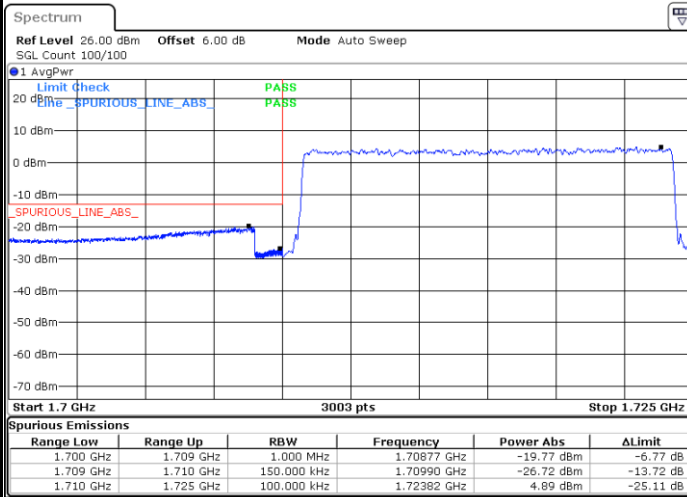
Date: 17.NOV.2021 19:34:09

Highest Band Edge / 1 RB



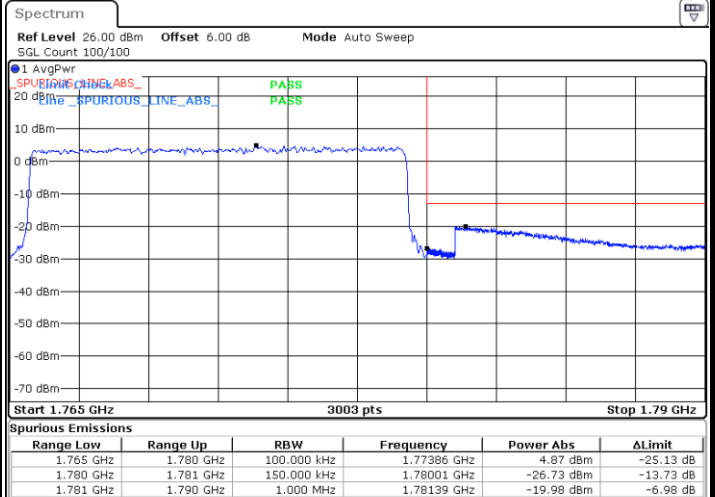
Date: 17.NOV.2021 19:41:19

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:37:11

Highest Band Edge / Full RB

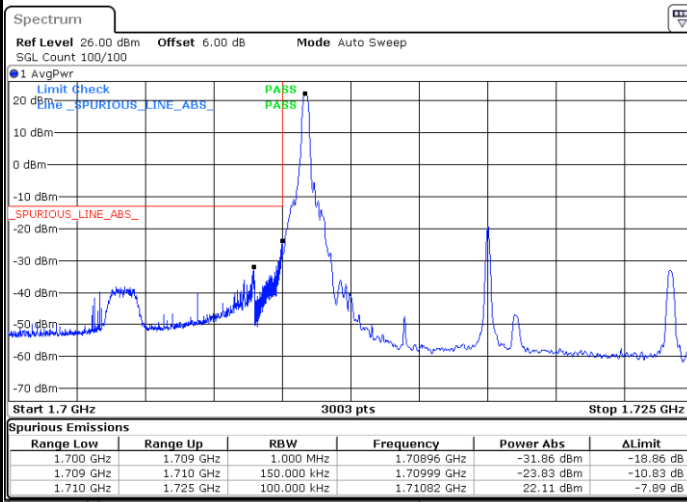


Date: 17.NOV.2021 19:37:58



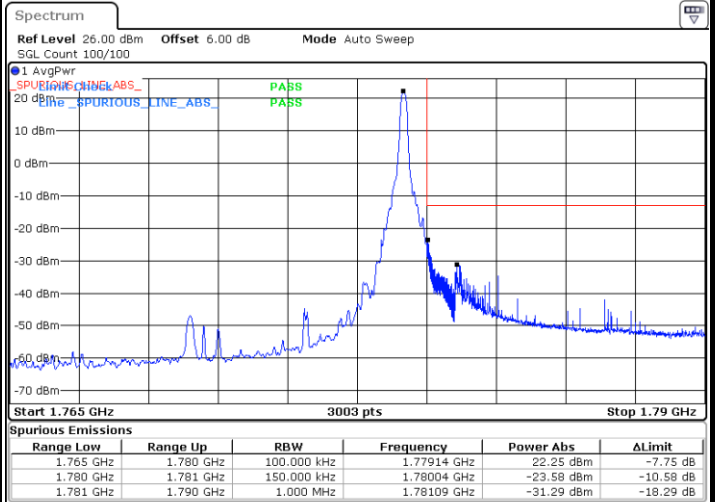
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



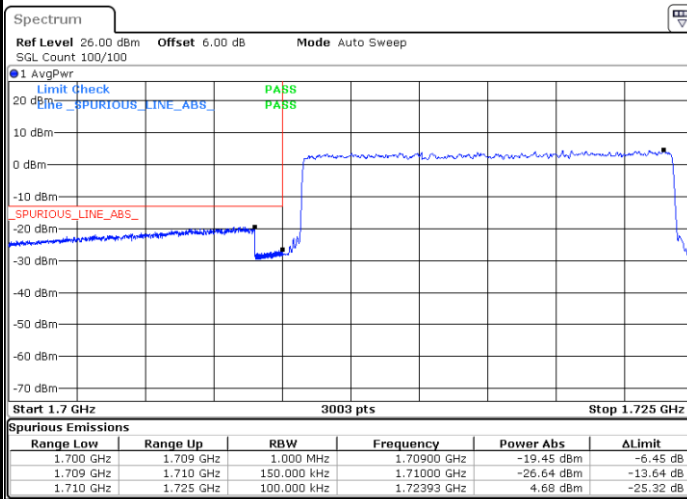
Date: 17.NOV.2021 19:34:37

Highest Band Edge / 1 RB



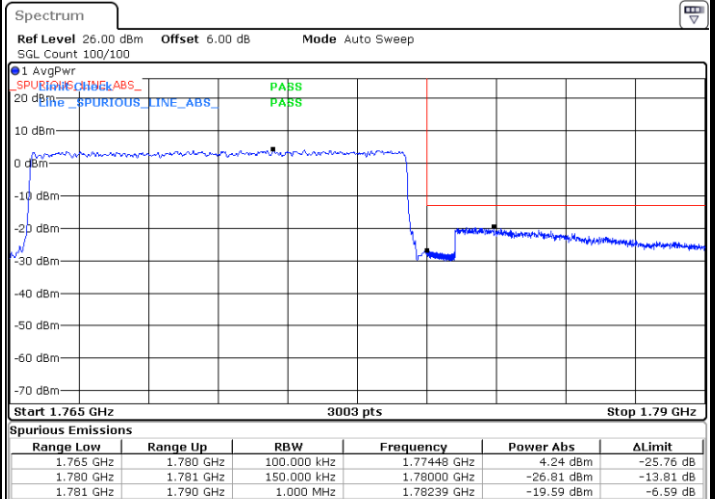
Date: 17.NOV.2021 19:40:59

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:36:40

Highest Band Edge / Full RB

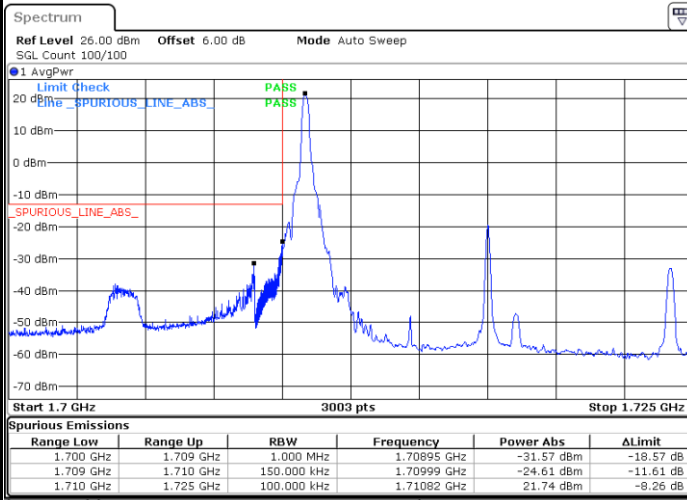


Date: 17.NOV.2021 19:38:18



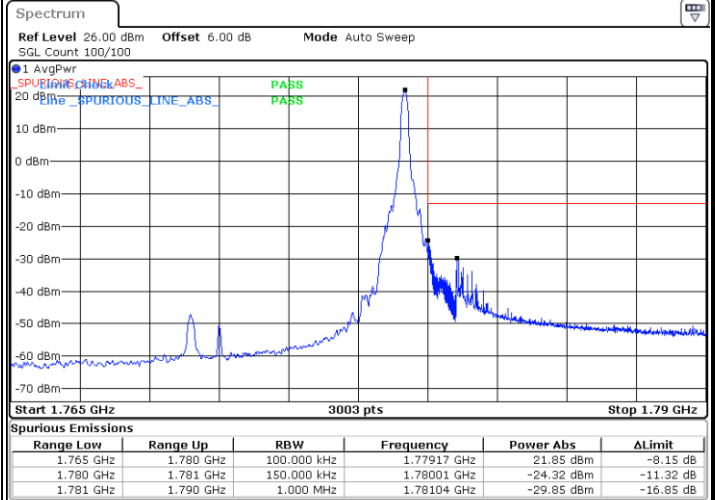
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



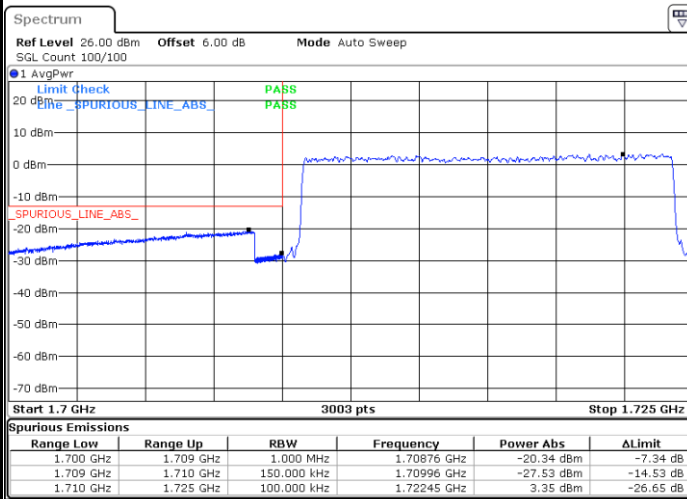
Date: 17.NOV.2021 19:34:54

Highest Band Edge / 1 RB



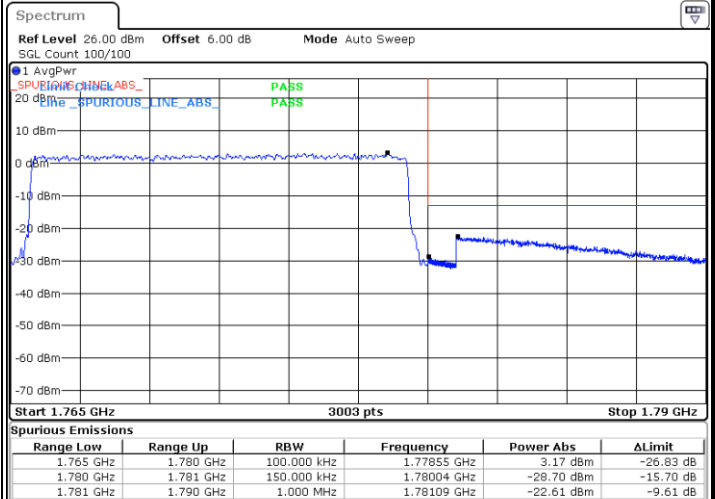
Date: 17.NOV.2021 19:40:01

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:36:15

Highest Band Edge / Full RB

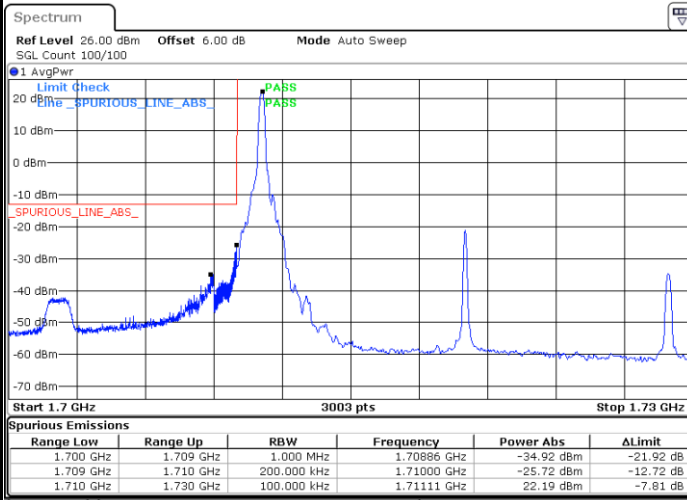


Date: 17.NOV.2021 19:38:39



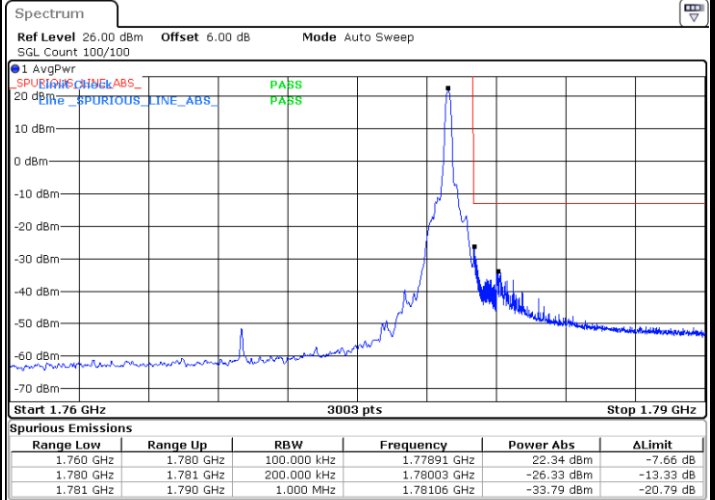
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



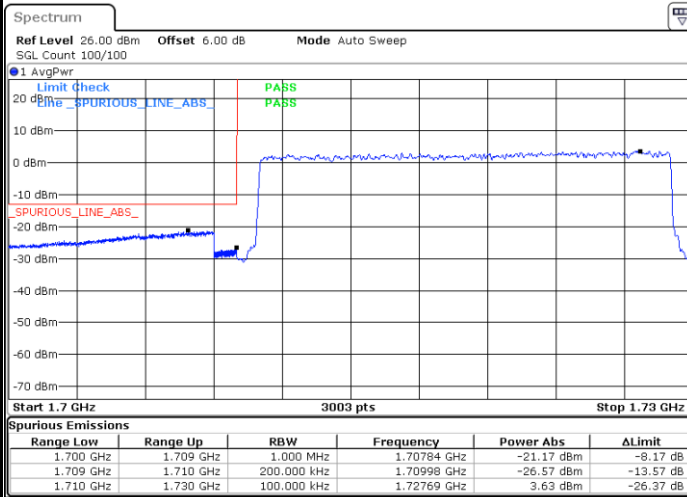
Date: 17.NOV.2021 19:22:23

Highest Band Edge / 1 RB



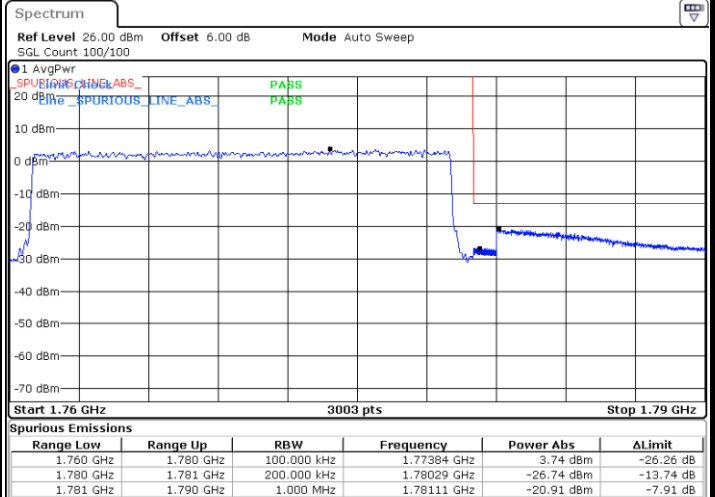
Date: 17.NOV.2021 19:24:57

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:19:53

Highest Band Edge / Full RB

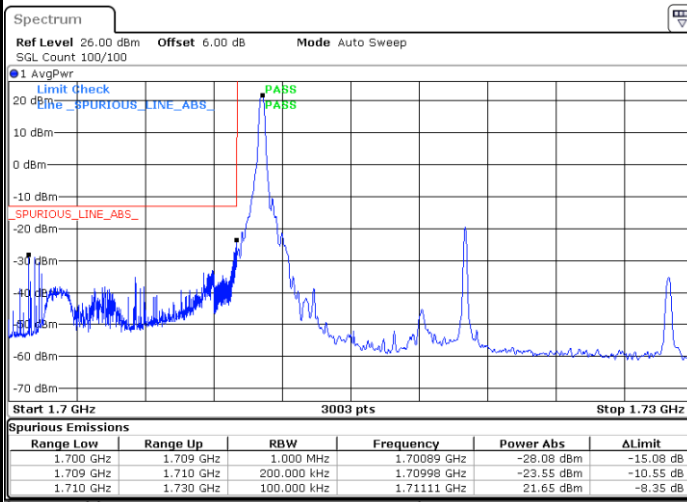


Date: 17.NOV.2021 19:28:25



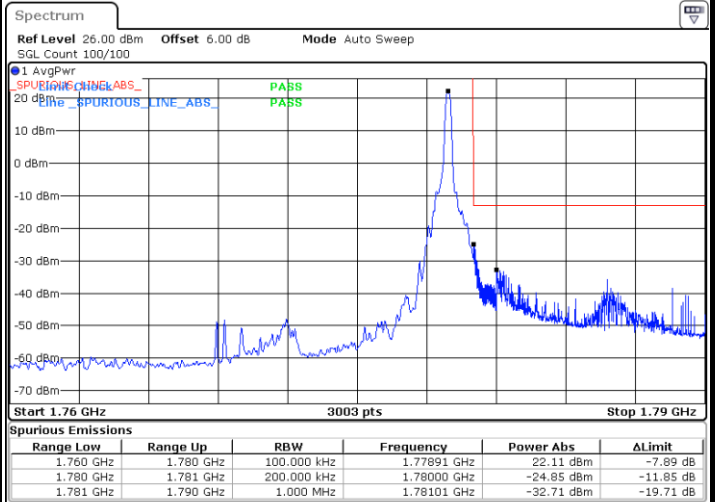
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



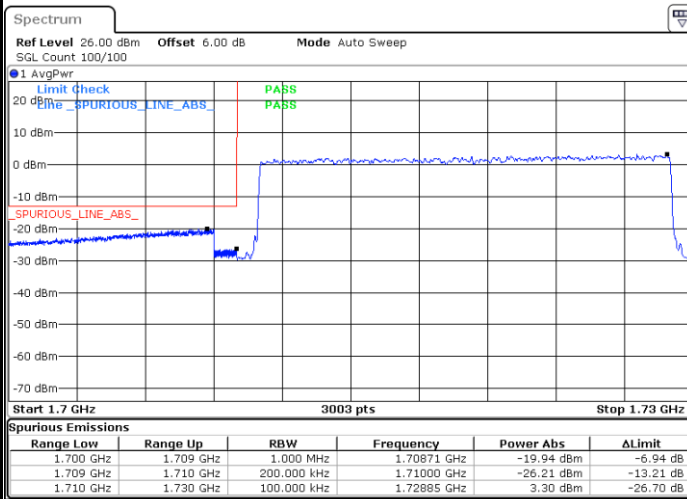
Date: 17.NOV.2021 19:22:04

Highest Band Edge / 1 RB



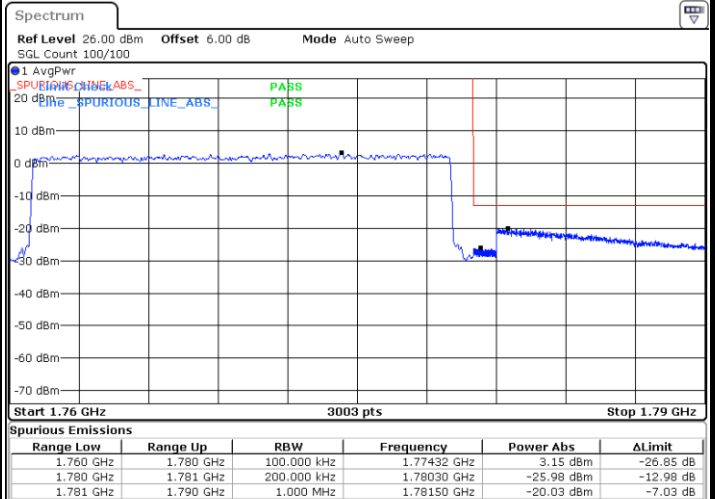
Date: 17.NOV.2021 19:26:19

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:20:17

Highest Band Edge / Full RB

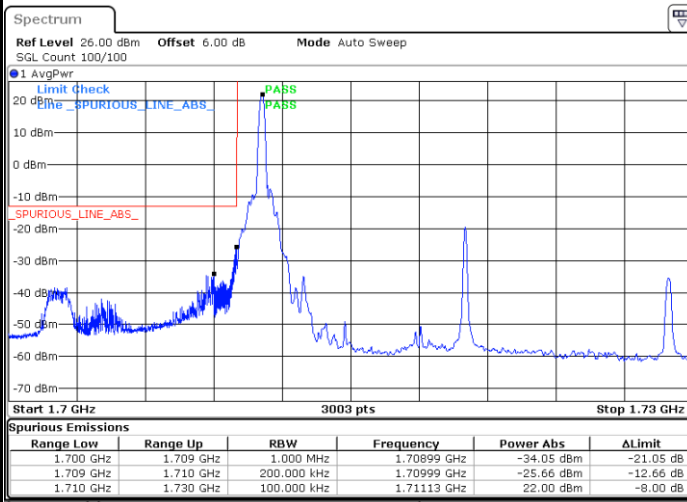


Date: 17.NOV.2021 19:28:06



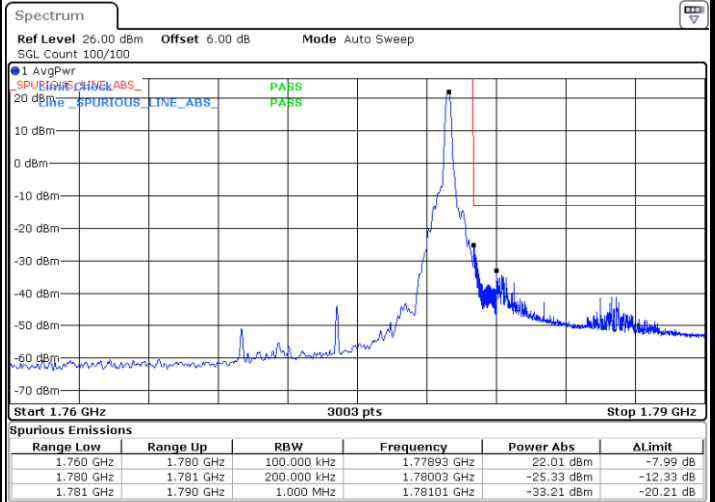
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



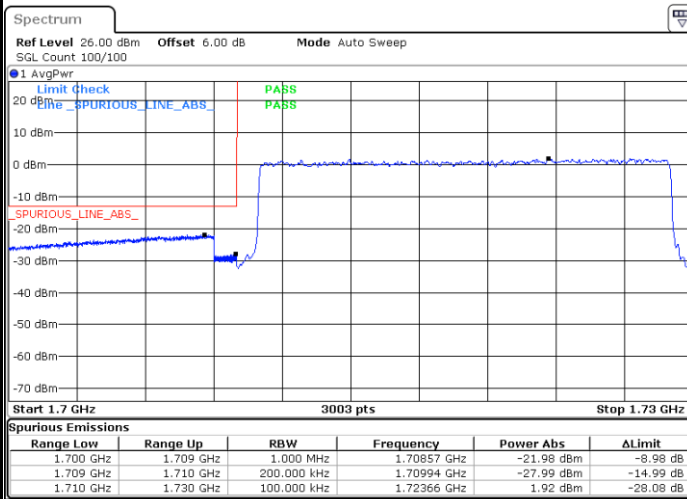
Date: 17.NOV.2021 19:21:41

Highest Band Edge / 1 RB



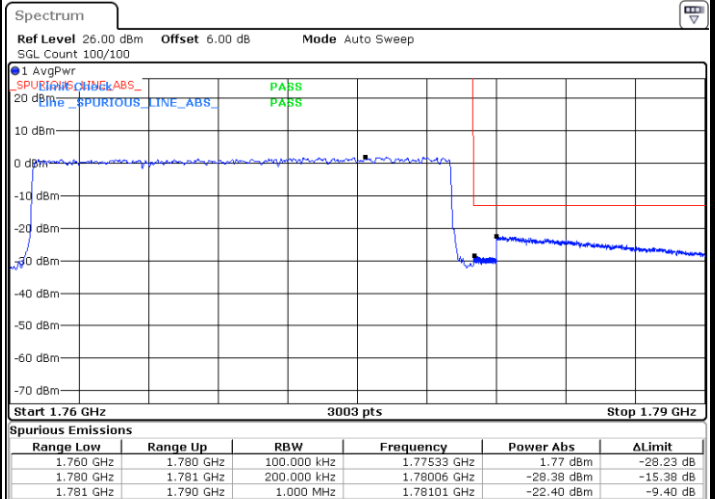
Date: 17.NOV.2021 19:26:47

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:20:38

Highest Band Edge / Full RB

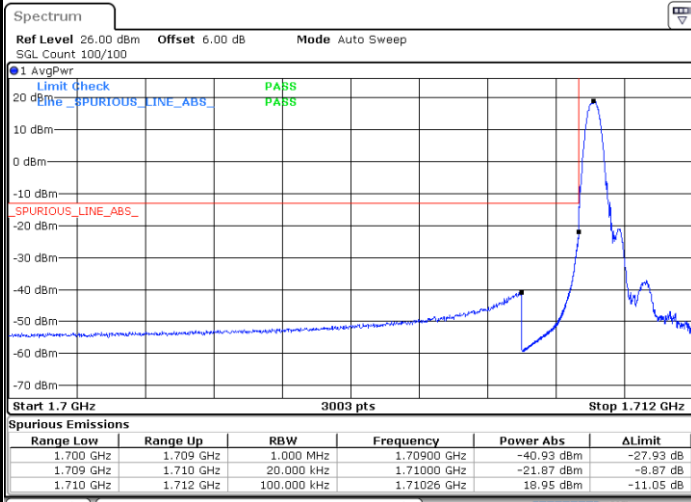


Date: 17.NOV.2021 19:27:50



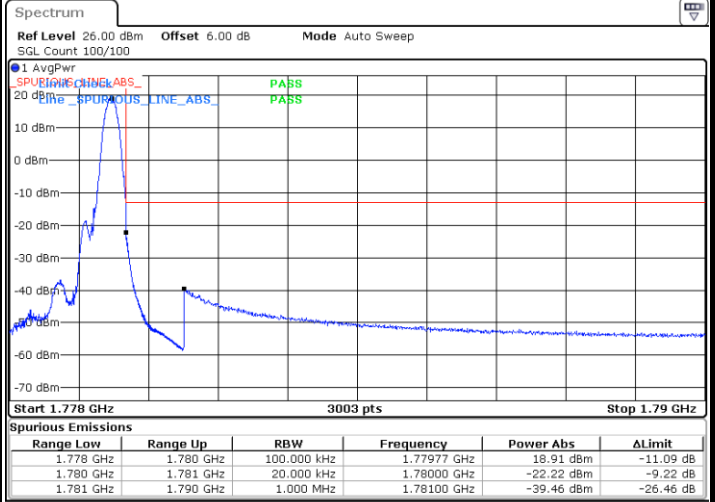
LTE Band 66 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



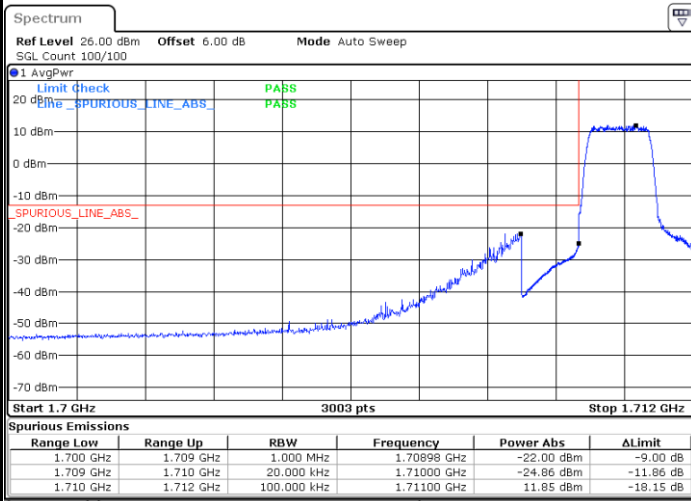
Date: 17.NOV.2021 20:55:14

Highest Band Edge / 1 RB



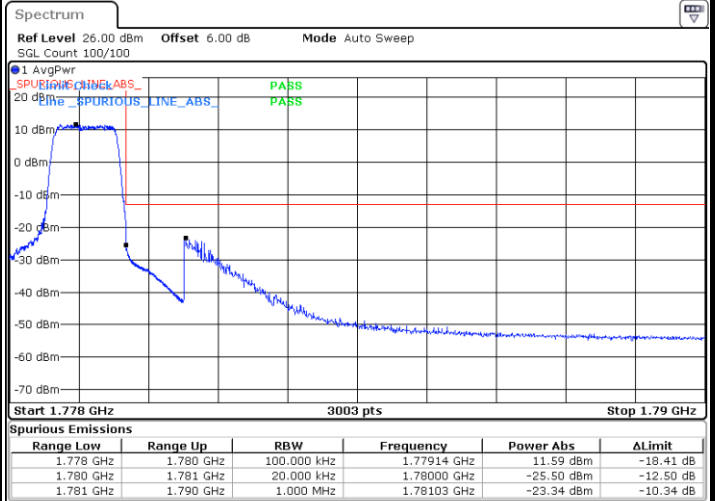
Date: 17.NOV.2021 21:19:58

Lowest Band Edge / Full RB



Date: 17.NOV.2021 20:56:24

Highest Band Edge / Full RB

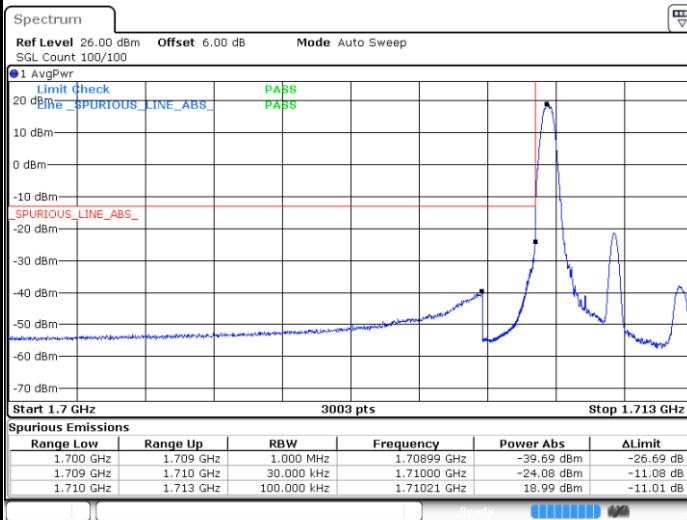


Date: 17.NOV.2021 21:18:44



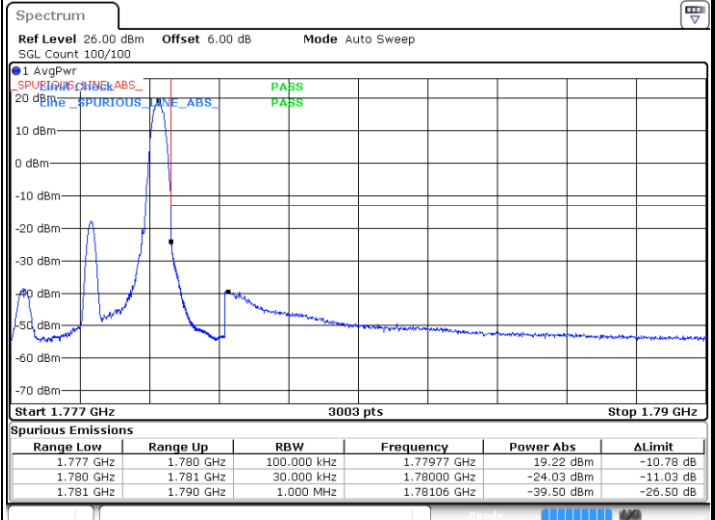
LTE Band 66 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



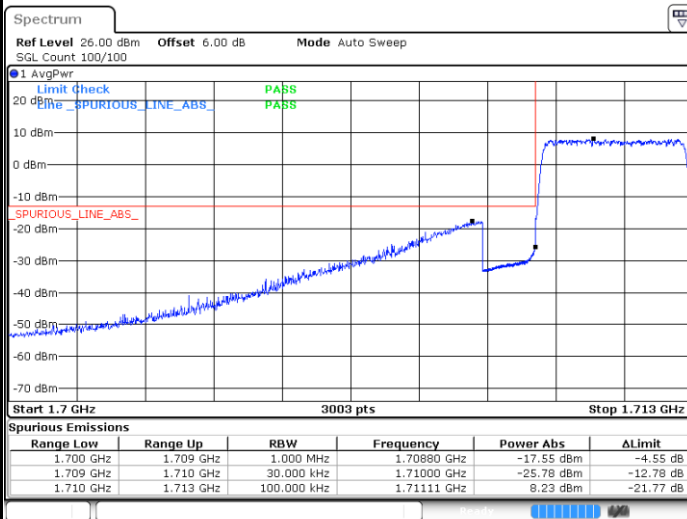
Date: 17.NOV.2021 20:33:34

Highest Band Edge / 1 RB



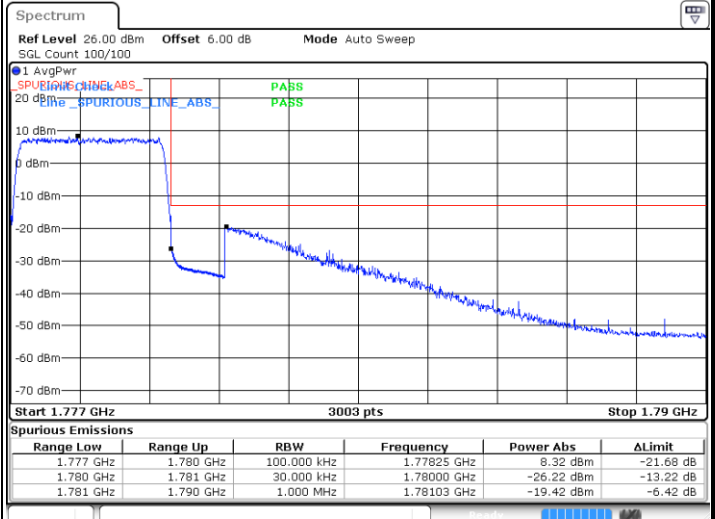
Date: 17.NOV.2021 20:43:27

Lowest Band Edge / Full RB



Date: 17.NOV.2021 20:39:14

Highest Band Edge / Full RB

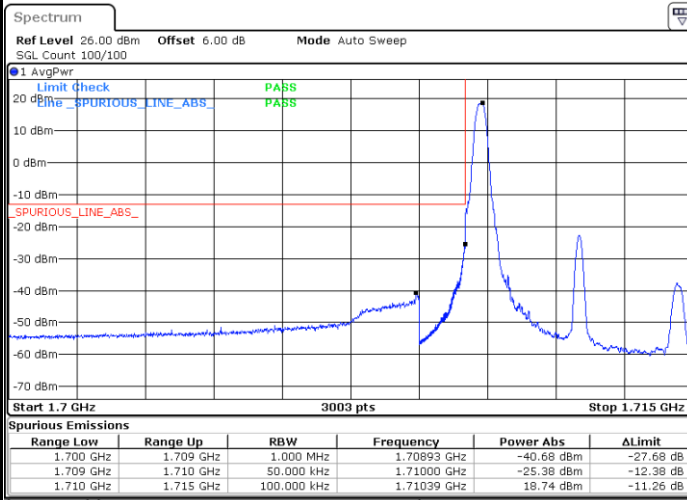


Date: 17.NOV.2021 20:42:43



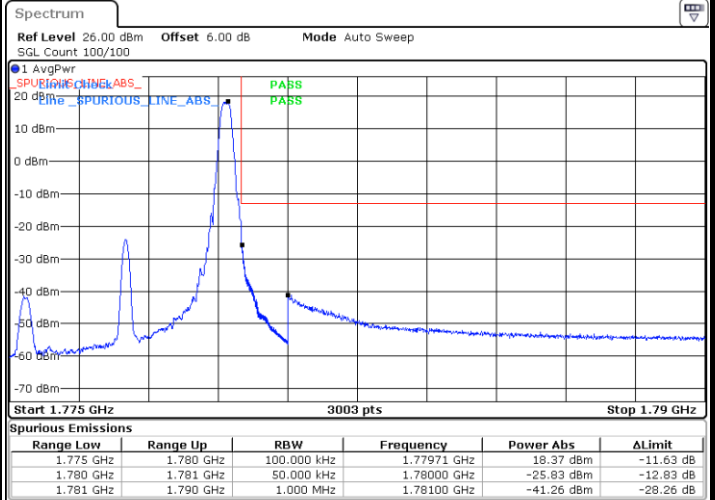
LTE Band 66 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



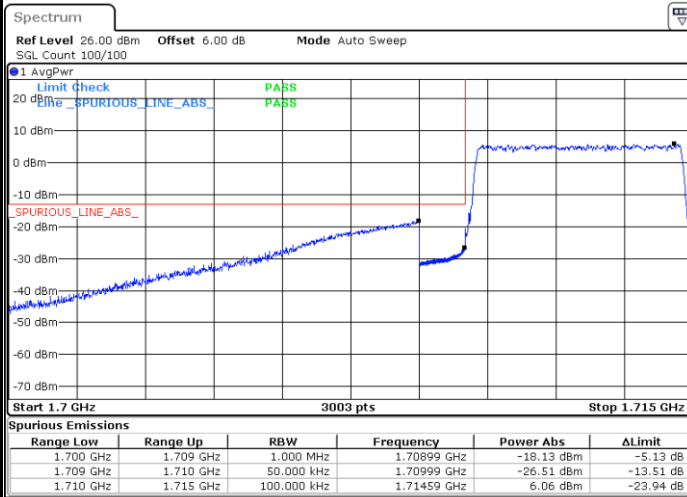
Date: 17.NOV.2021 20:25:55

Highest Band Edge / 1 RB



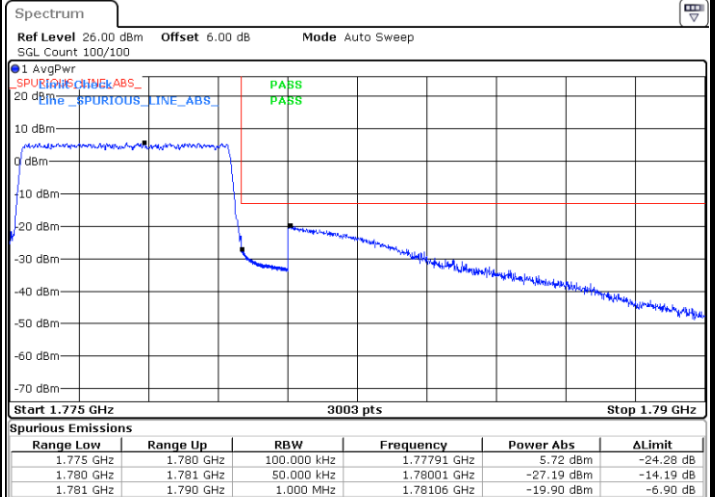
Date: 17.NOV.2021 20:19:59

Lowest Band Edge / Full RB

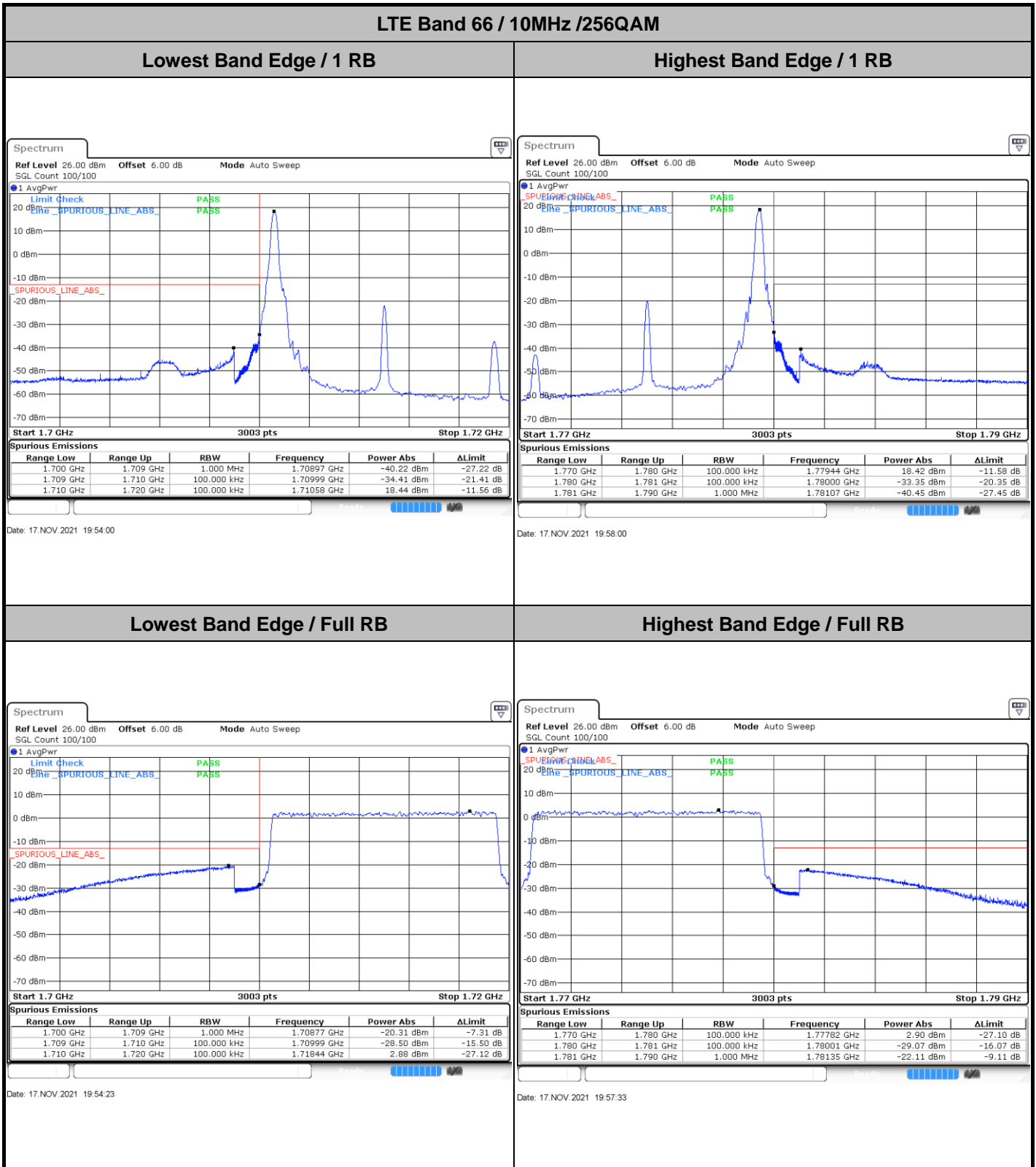


Date: 17.NOV.2021 20:25:26

Highest Band Edge / Full RB



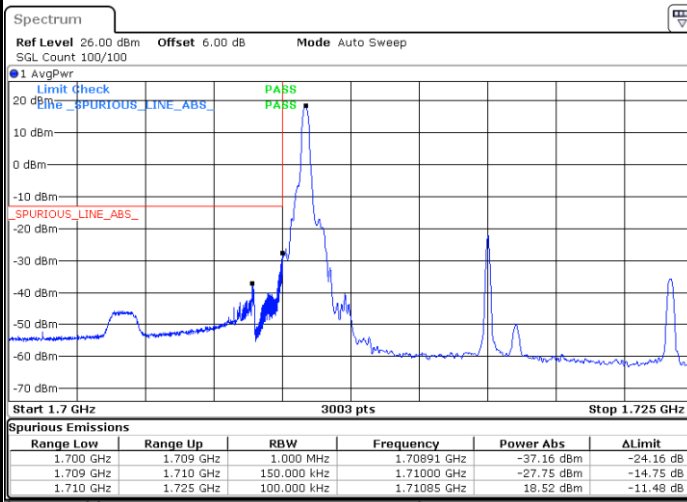
Date: 17.NOV.2021 20:20:31





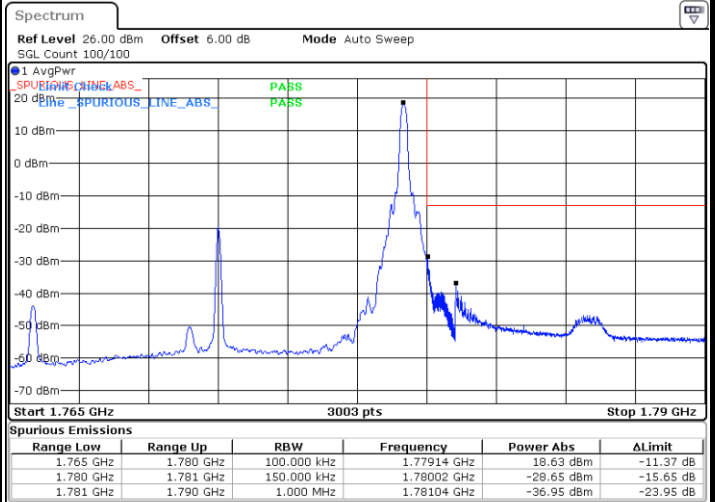
LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



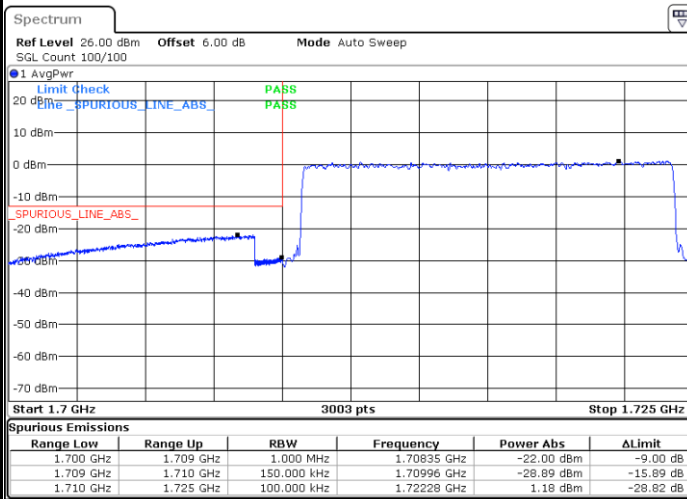
Date: 17.NOV.2021 19:35:31

Highest Band Edge / 1 RB



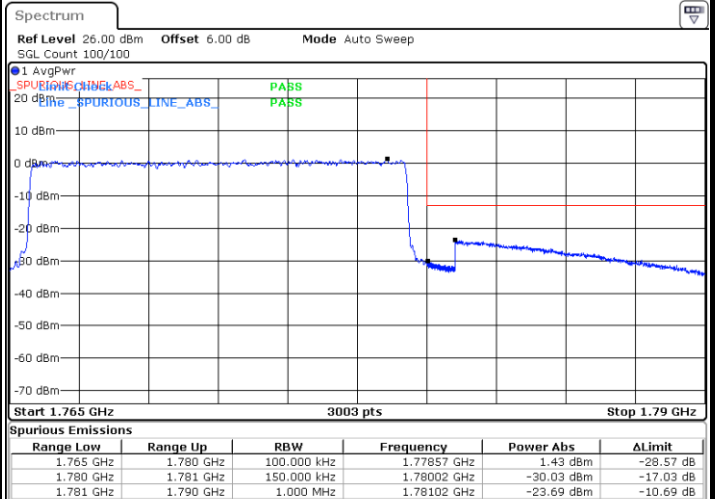
Date: 17.NOV.2021 19:39:32

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:35:50

Highest Band Edge / Full RB

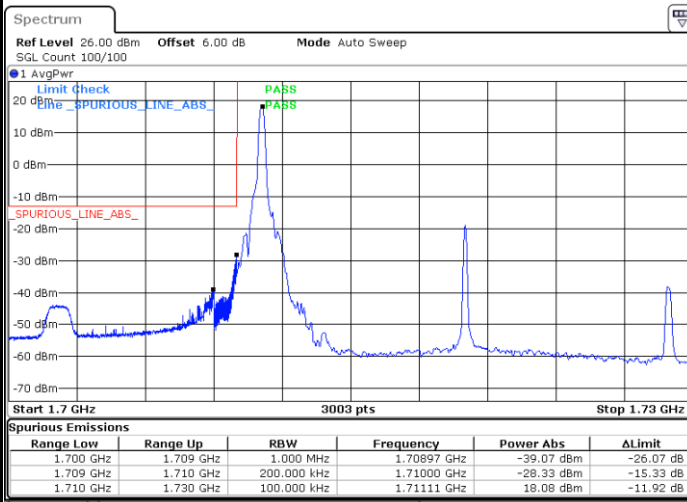


Date: 17.NOV.2021 19:39:01



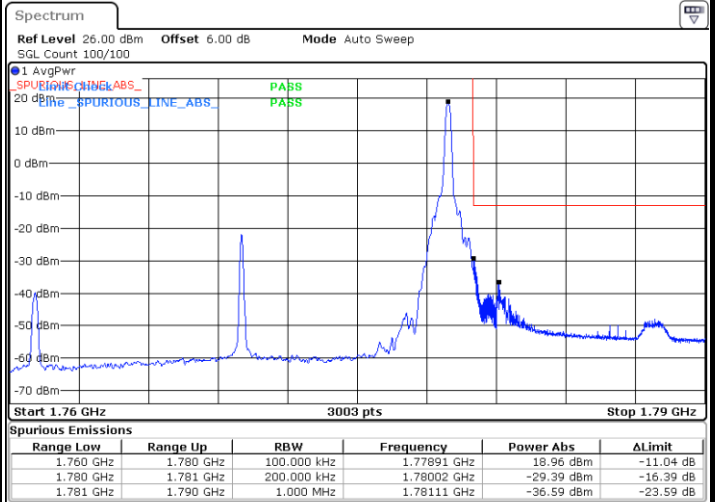
LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



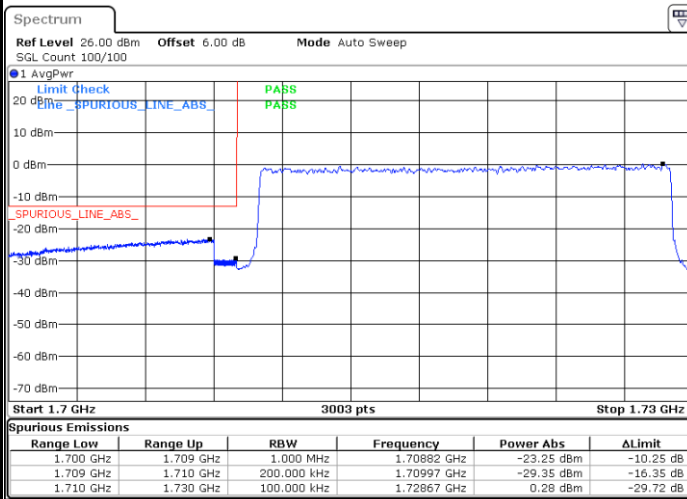
Date: 17.NOV.2021 19:21:21

Highest Band Edge / 1 RB



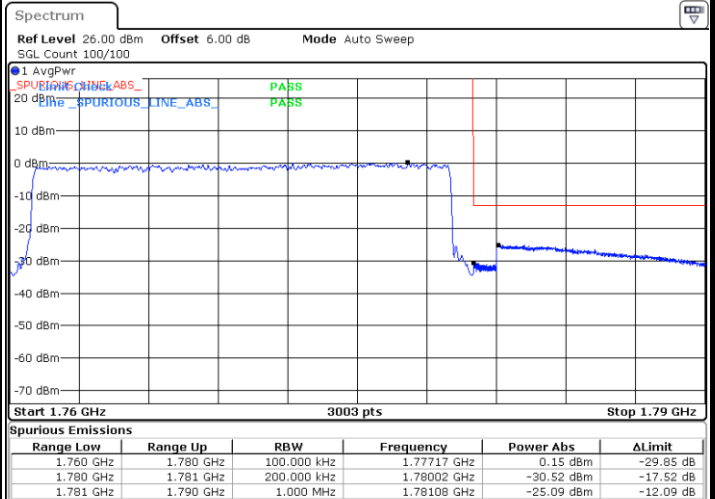
Date: 17.NOV.2021 19:27:08

Lowest Band Edge / Full RB



Date: 17.NOV.2021 19:21:00

Highest Band Edge / Full RB



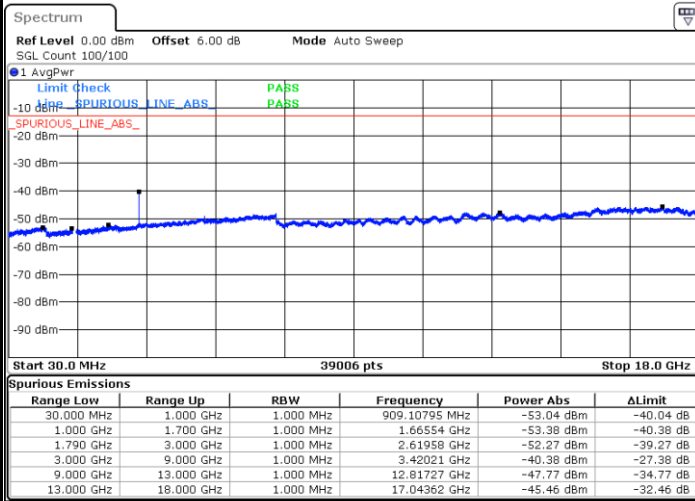
Date: 17.NOV.2021 19:27:31



Conducted Spurious Emission

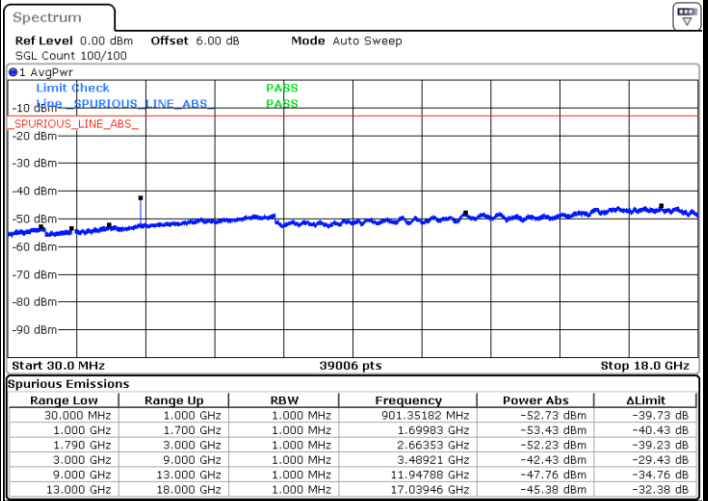
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



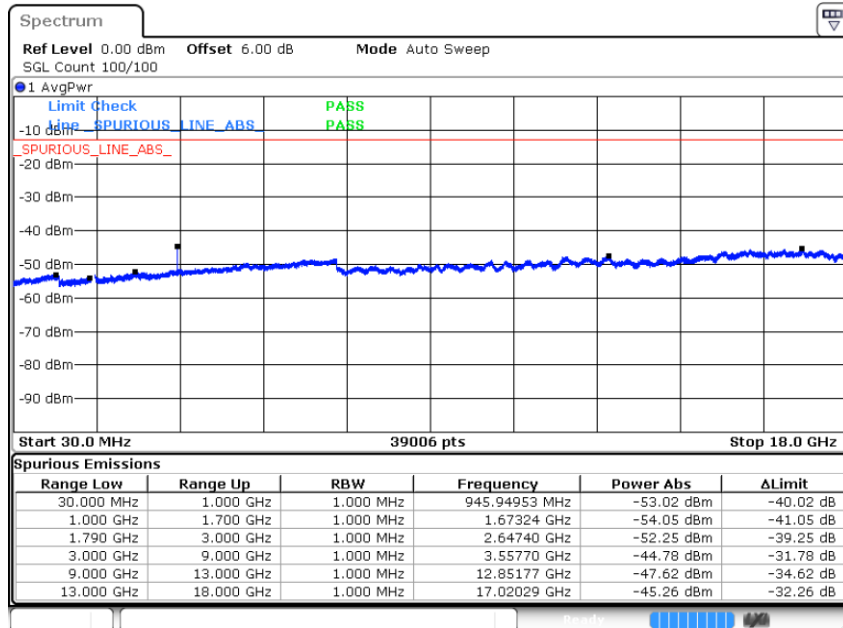
Date: 17.NOV.2021 20:50:38

Middle Channel / QPSK



Date: 17.NOV.2021 20:48:04

Highest Channel / QPSK



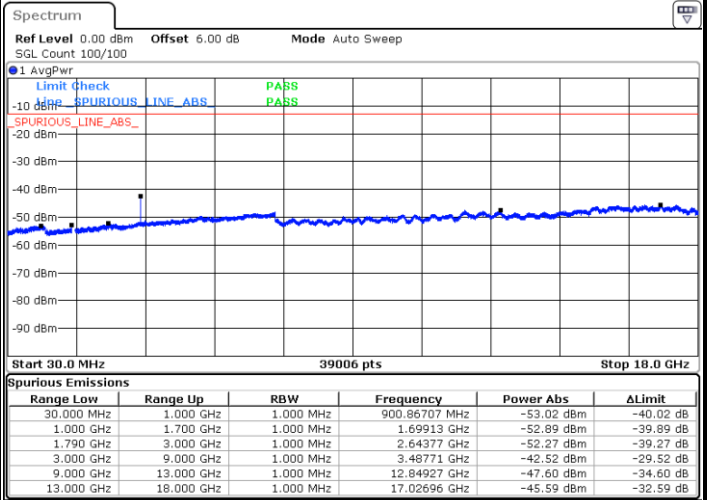
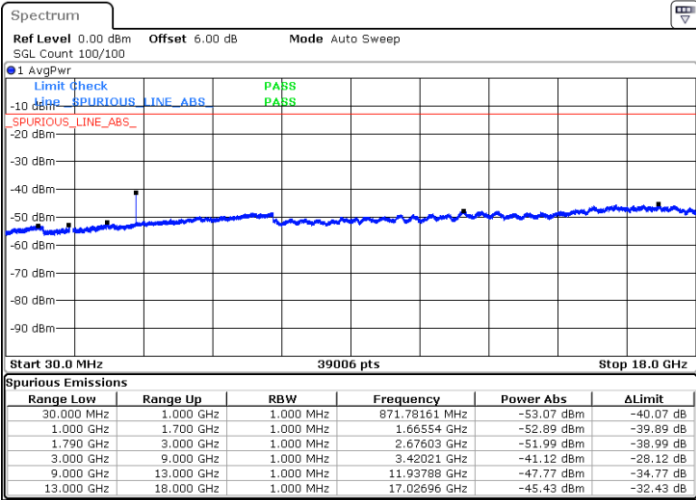
Date: 17.NOV.2021 21:24:11



LTE Band 66 / 3MHz

Lowest Channel / QPSK

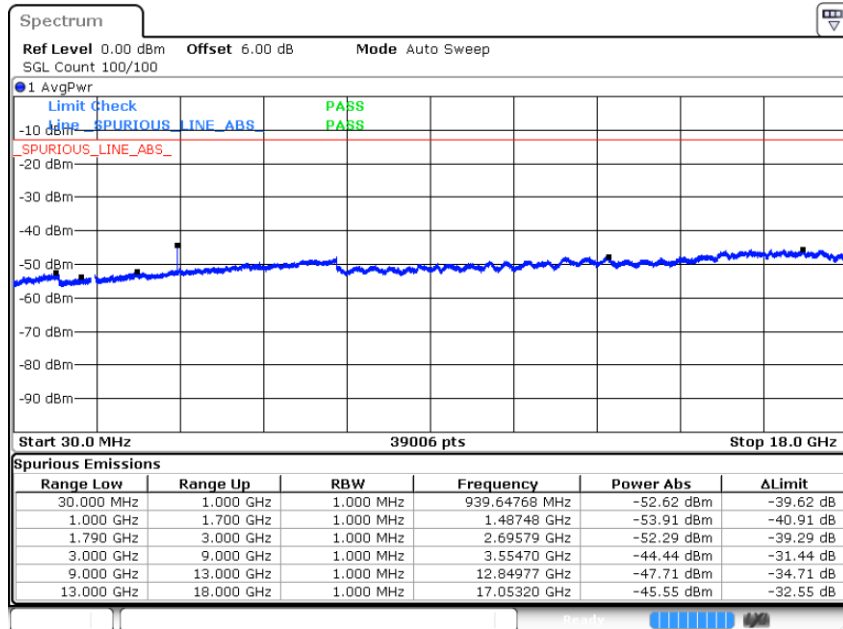
Middle Channel / QPSK



Date: 17.NOV.2021 20:31:00

Date: 17.NOV.2021 20:29:48

Highest Channel / QPSK



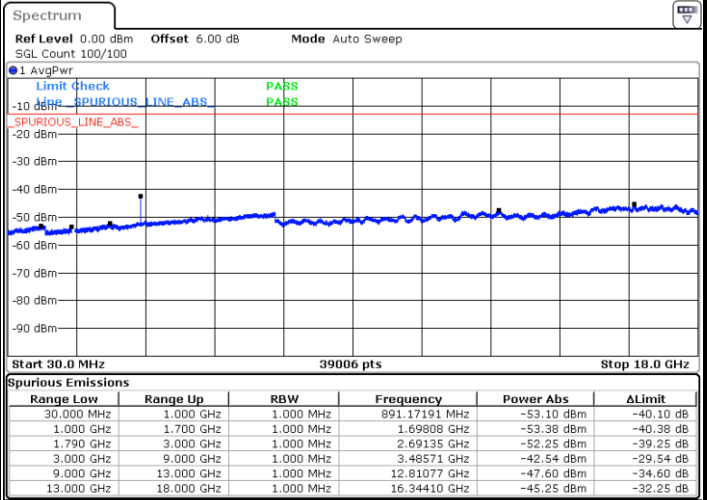
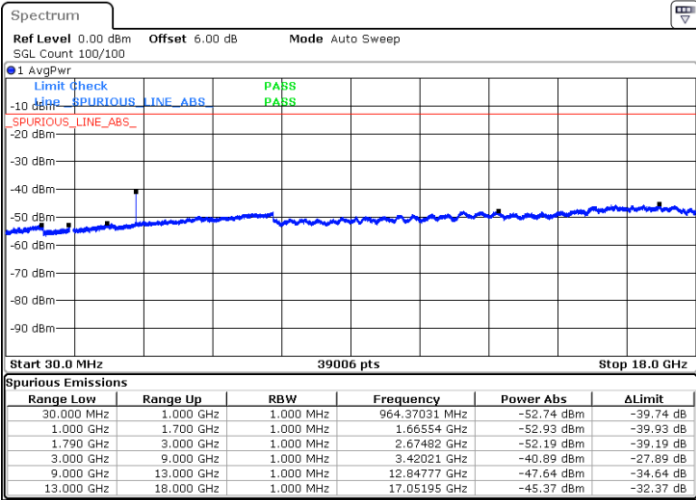
Date: 17.NOV.2021 20:46:36



LTE Band 66 / 5MHz

Lowest Channel / QPSK

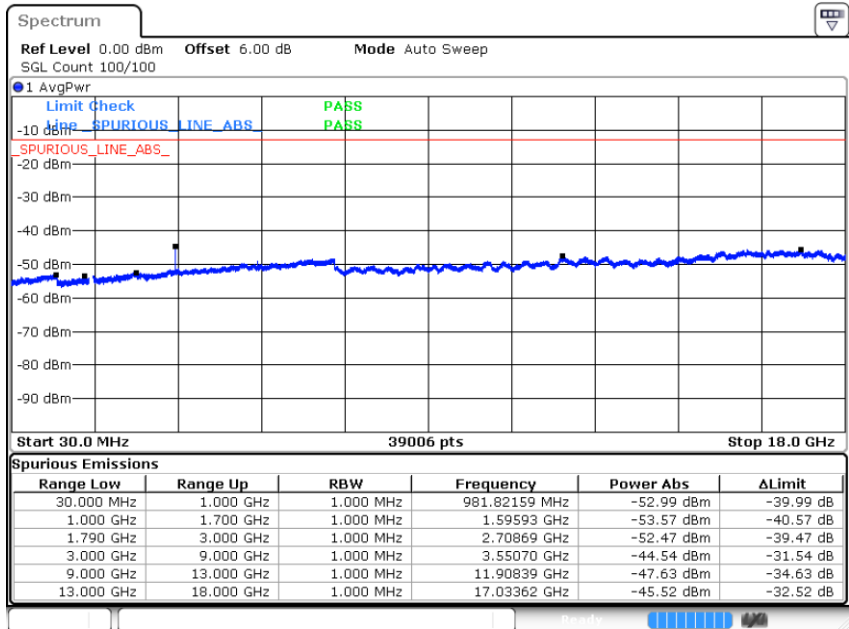
Middle Channel / QPSK



Date: 17.NOV.2021 20:28:03

Date: 17.NOV.2021 20:02:34

Highest Channel / QPSK



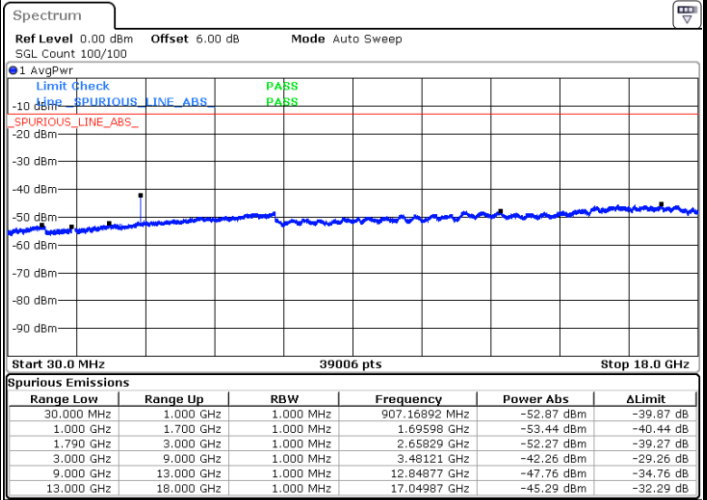
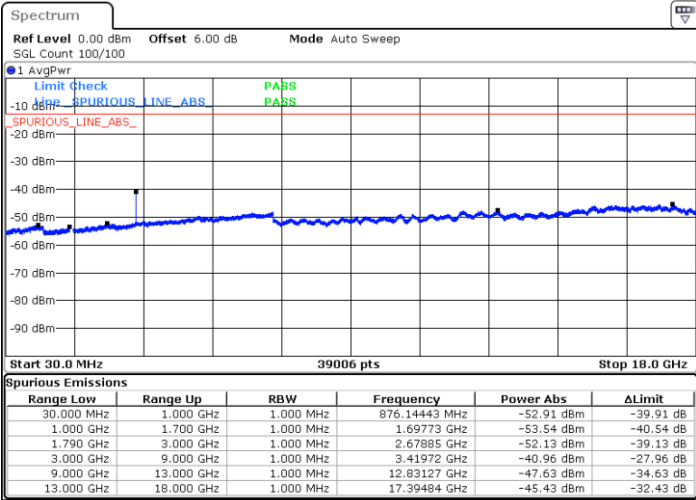
Date: 17.NOV.2021 20:17:59



LTE Band 66 / 10MHz

Lowest Channel / QPSK

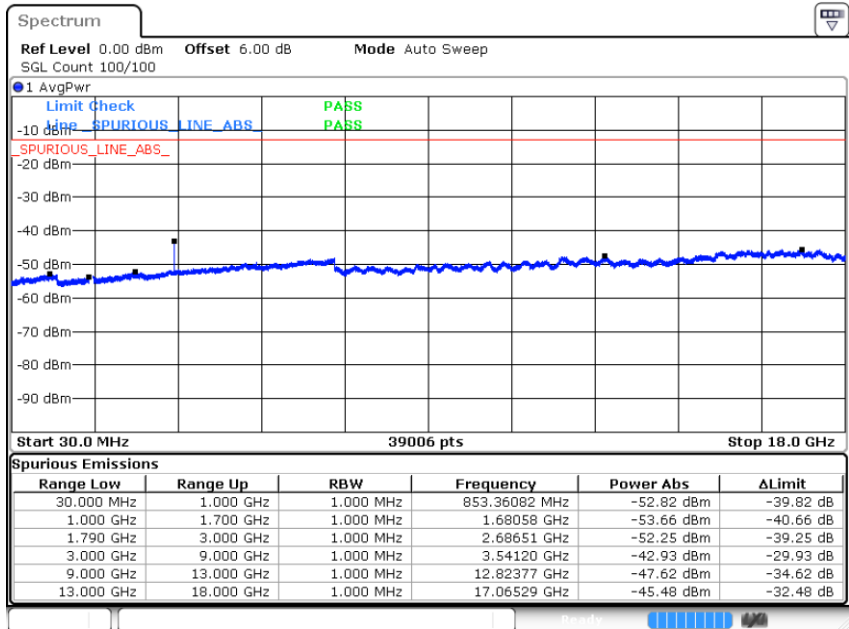
Middle Channel / QPSK



Date: 17.NOV.2021 19:52:43

Date: 17.NOV.2021 19:51:42

Highest Channel / QPSK



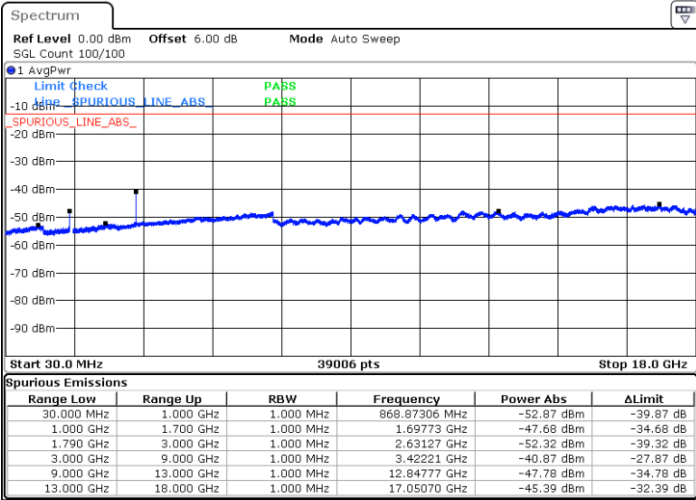
Date: 17.NOV.2021 20:01:01



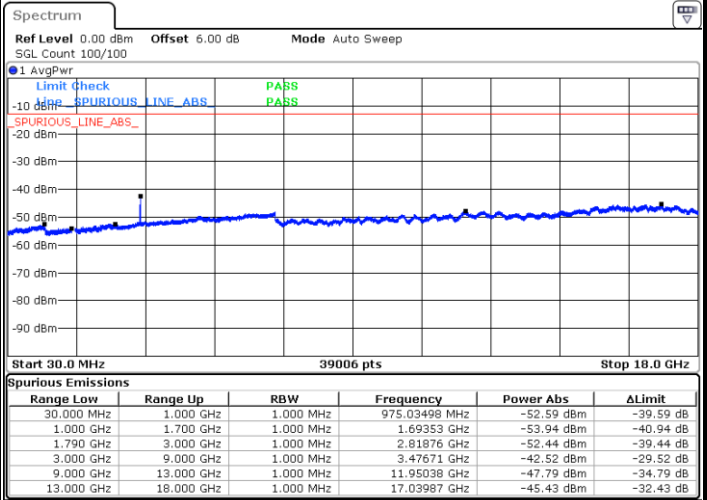
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

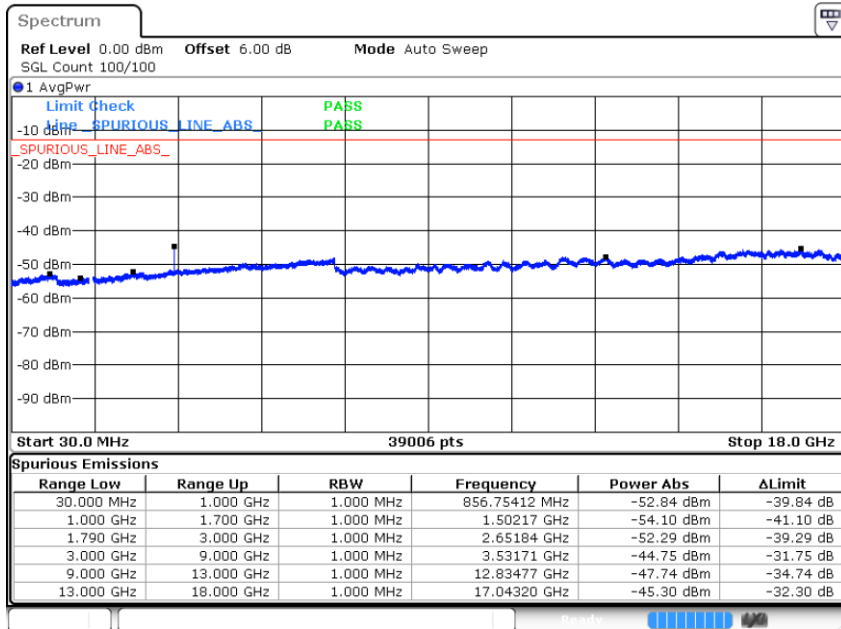


Date: 17.NOV.2021 19:33:56



Date: 17.NOV.2021 19:32:36

Highest Channel / QPSK

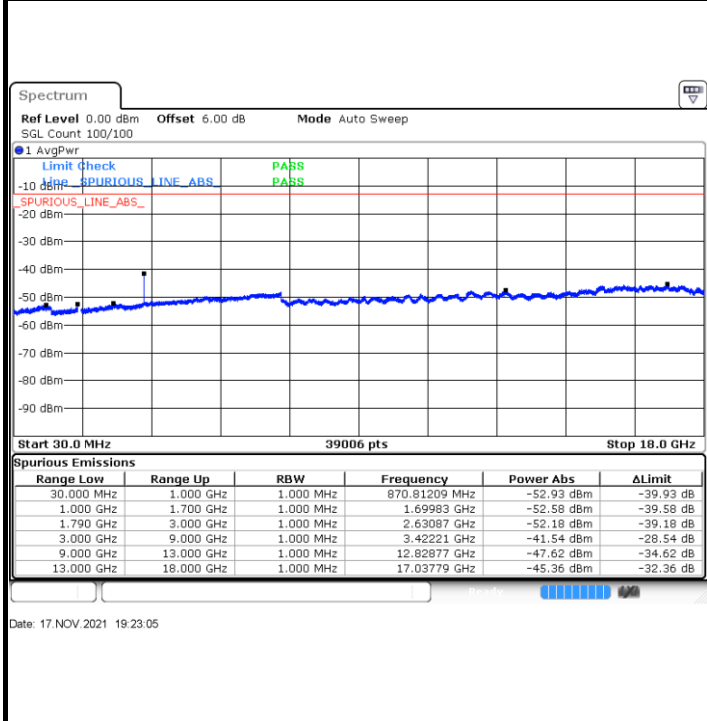


Date: 17.NOV.2021 19:50:08

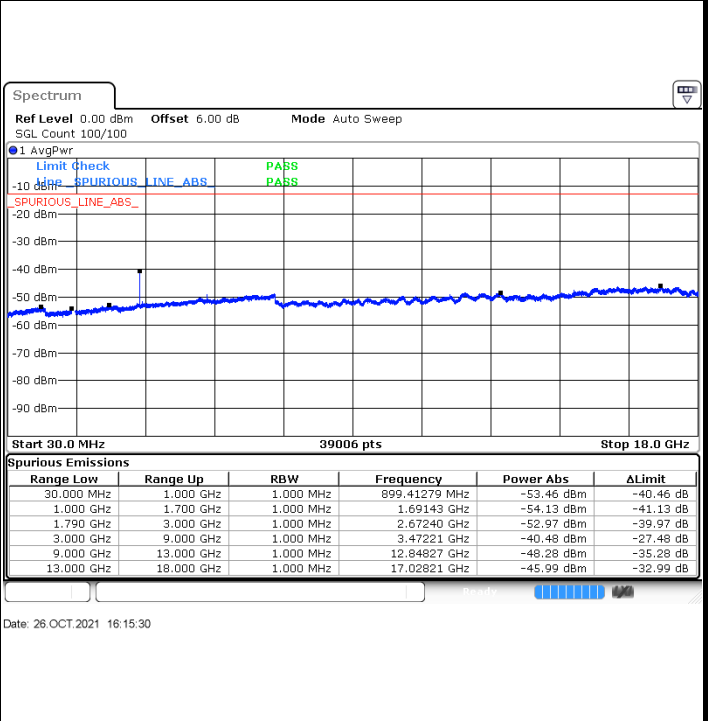


LTE Band 66 / 20MHz

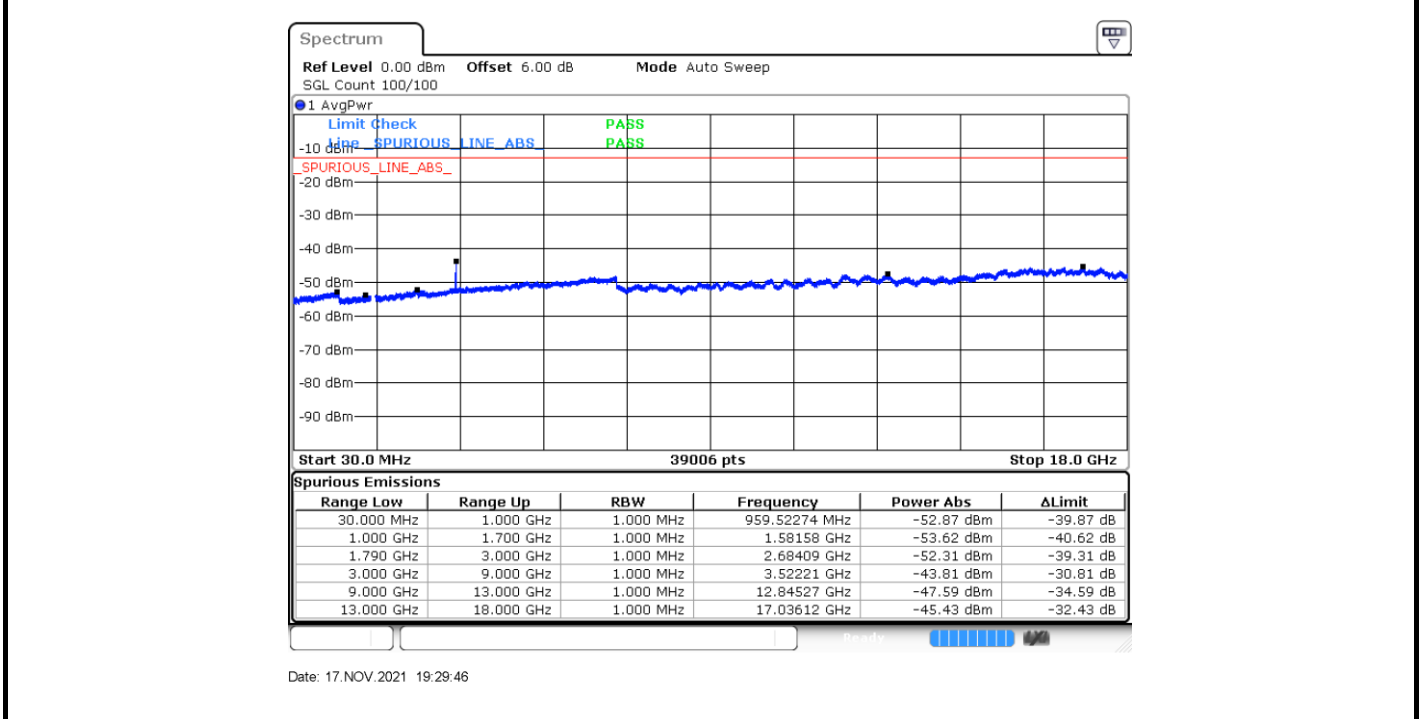
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0037	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 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 :	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 12 / 10MHz / QPSK for 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	1406	-69.06	-13	-56.06	-76.03	1.58	10.70	H
	2110	-60.97	-13	-47.97	-69.22	2.102	12.50	H
	2812	-61.54	-13	-48.54	-70.43	2.856	13.90	H
	3516	-61.31	-13	-48.31	-69.77	2.689	13.30	H
	1406	-68.36	-13	-55.36	-75.33	1.58	10.70	V
	2110	-57.08	-13	-44.08	-65.33	2.10	12.50	V
	2812	-60.90	-13	-47.90	-69.79	2.86	13.90	V
	3516	-61.57	-13	-48.57	-70.03	2.69	13.30	V

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

LTE Band 13 / 5MHz / QPSK for 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	-67.78	-42.15	-25.63	-70.41	1.09	5.87	H
	2340	-60.82	-13	-47.82	-63.22	1.37	5.92	H
	3120	-61.85	-13	-48.85	-65.74	1.64	7.68	H
	1560	-67.31	-42.15	-25.16	-69.94	1.09	5.87	V
	2340	-56.19	-13	-43.19	-58.59	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.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	1556	-68.00	-13	-55.00	-70.63	1.09	5.87	H
	2332	-59.33	-13	-46.33	-61.73	1.37	5.92	H
	3108	-61.28	-13	-48.28	-65.17	1.64	7.68	H
	1556	-67.70	-13	-54.70	-70.33	1.09	5.87	V
	2332	-56.37	-13	-43.37	-58.77	1.37	5.92	V
	3108	-61.44	-13	-48.44	-65.33	1.64	7.68	V

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



LTE Band 25 / 20MHz / QPSK for Ant.4								
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	3747	-58.01	-13	-45.01	-70.27	2.64	14.90	H
	5622	-57.47	-13	-44.47	-69.33	2.94	14.80	H
	7500	-55.05	-13	-42.05	-64.82	3.39	13.16	H
	3747	-57.65	-13	-44.65	-69.91	2.64	14.90	V
	5622	-57.64	-13	-44.64	-69.50	2.94	14.80	V
	7500	-55.42	-13	-42.42	-65.19	3.39	13.16	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	-66.44	-13	-53.44	-73.41	1.58	10.70	H
	2490	-55.94	-13	-42.94	-64.19	2.102	12.50	H
	3318	-61.84	-13	-48.84	-70.73	2.856	13.90	H
	1660	-65.45	-13	-52.45	-72.42	1.58	10.70	V
	2490	-55.35	-13	-42.35	-63.60	2.10	12.50	V
	3318	-62.06	-13	-49.06	-70.95	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.4								
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	3492	-54.48	-13	-41.48	-65.22	2.604	13.34	H
	5238	-56.39	-13	-43.39	-66.90	3.011	13.52	H
	6984	-55.77	-13	-42.77	-65.97	3.271	13.47	H
	3492	-57.66	-13	-44.66	-68.40	2.604	13.34	V
	5238	-56.42	-13	-43.42	-66.93	3.011	13.52	V
	6984	-56.27	-13	-43.27	-66.47	3.271	13.47	V

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