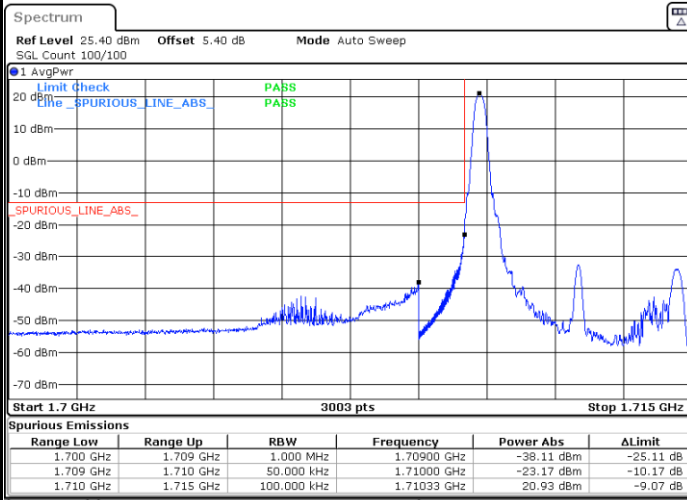




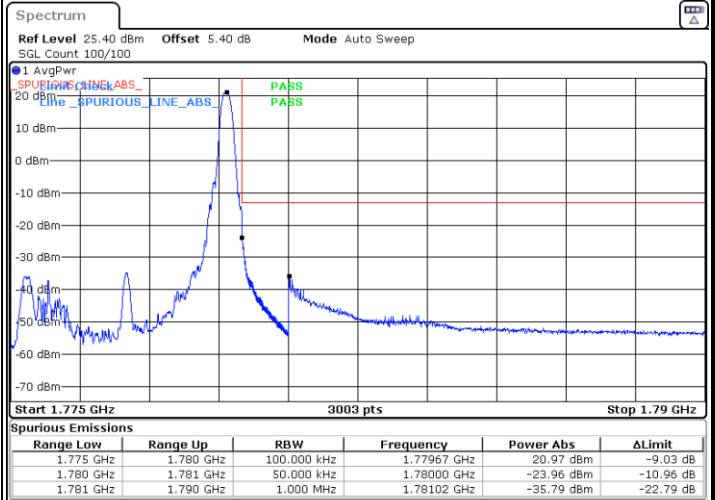
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1RB



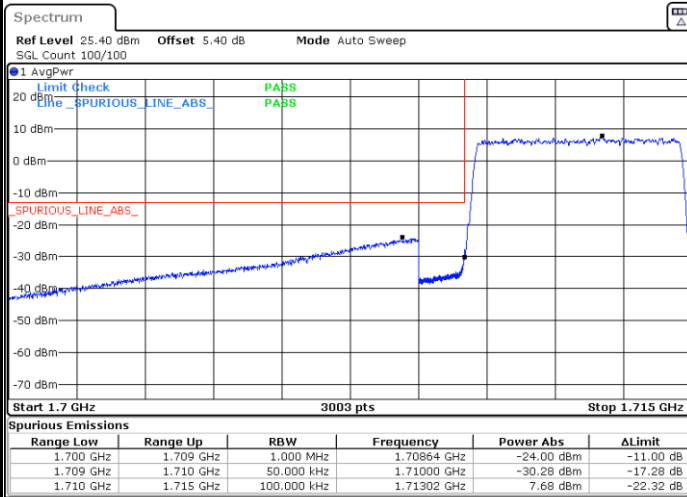
Date: 12.JAN.2022 14:24:07

Highest Band Edge / 1 RB



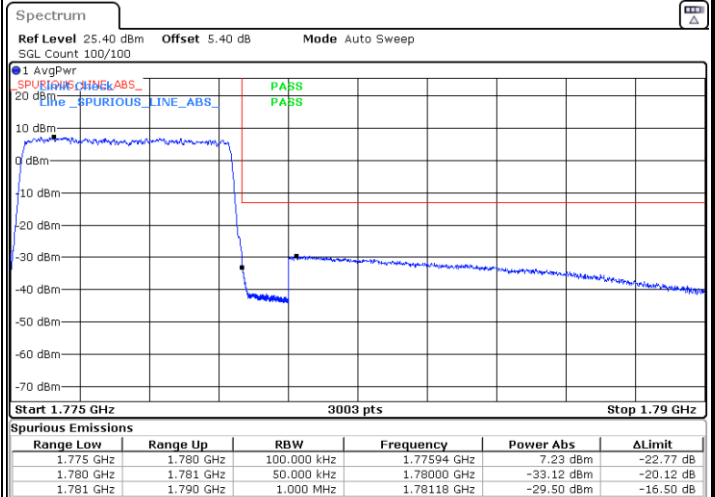
Date: 12.JAN.2022 14:34:42

Lowest Band Edge / Full RB



Date: 12.JAN.2022 14:29:27

Highest Band Edge / Full RB

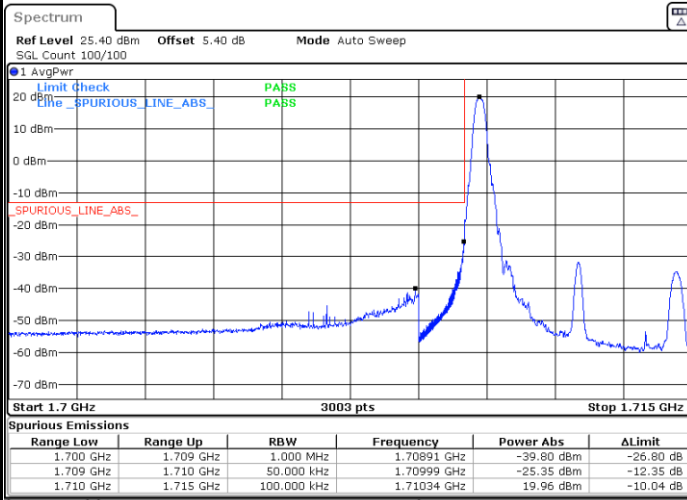


Date: 12.JAN.2022 14:52:10



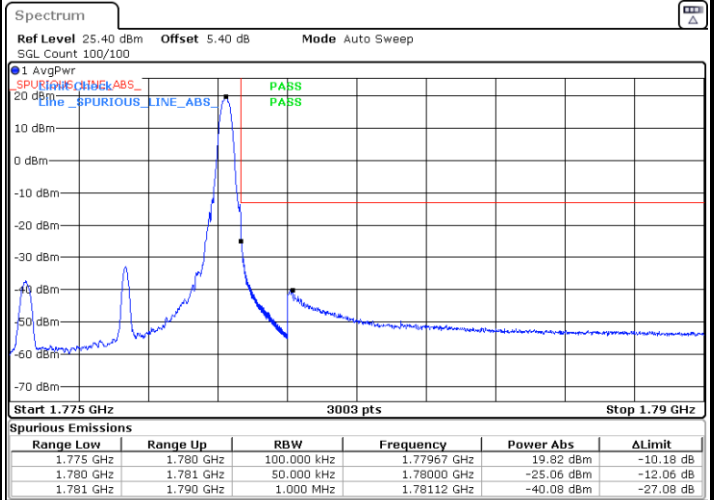
LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1RB



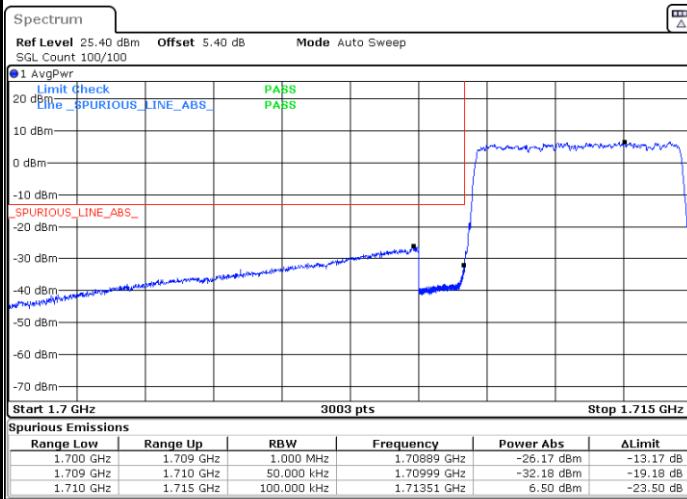
Date: 12.JAN.2022 14:25:10

Highest Band Edge / 1 RB



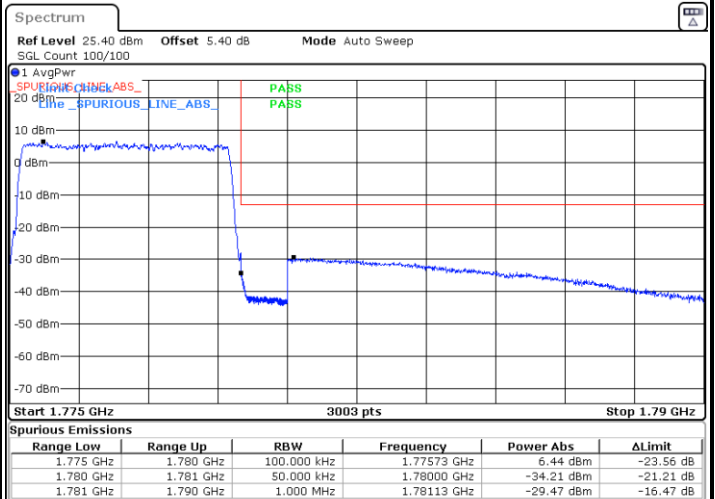
Date: 12.JAN.2022 14:35:44

Lowest Band Edge / Full RB



Date: 12.JAN.2022 14:28:24

Highest Band Edge / Full RB

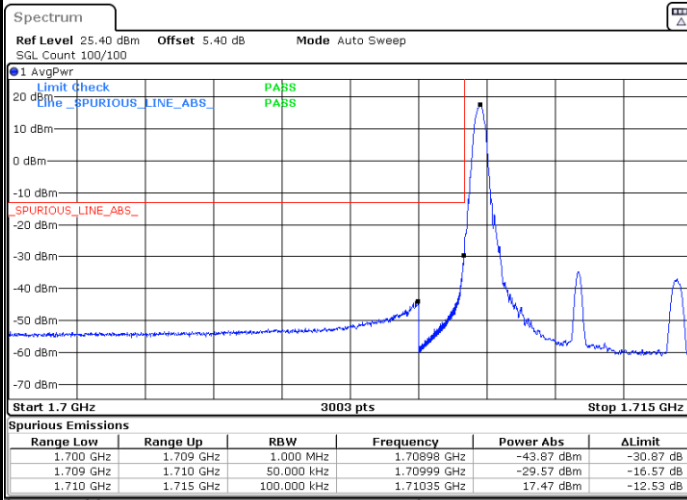


Date: 12.JAN.2022 14:51:07



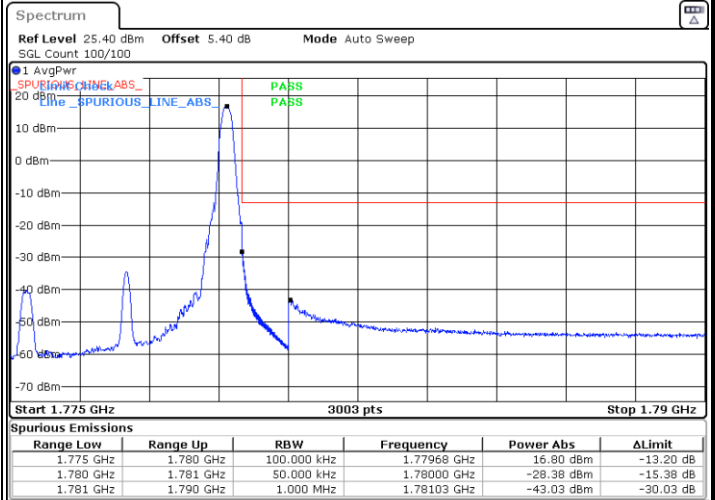
LTE Band 66 / 5MHz / 256QAM

Lowest Band Edge / 1RB



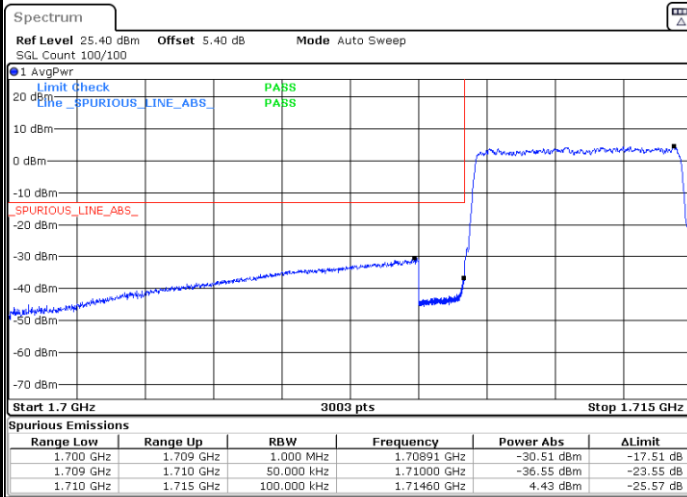
Date: 12.JAN.2022 14:26:13

Highest Band Edge / 1 RB



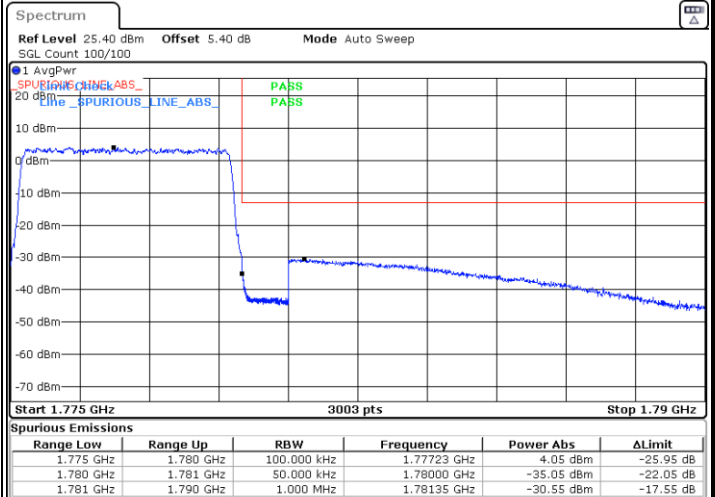
Date: 12.JAN.2022 14:36:48

Lowest Band Edge / Full RB



Date: 12.JAN.2022 14:27:18

Highest Band Edge / Full RB

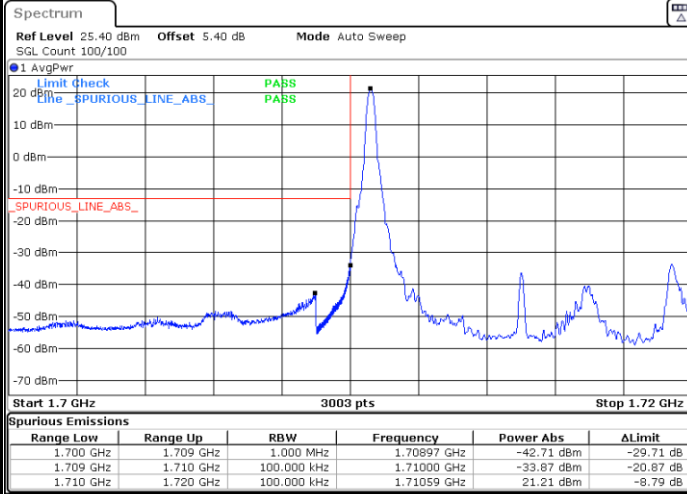


Date: 12.JAN.2022 14:50:02



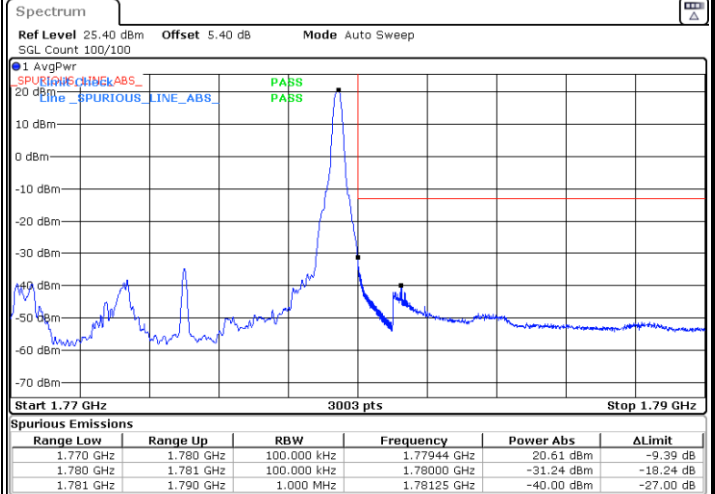
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



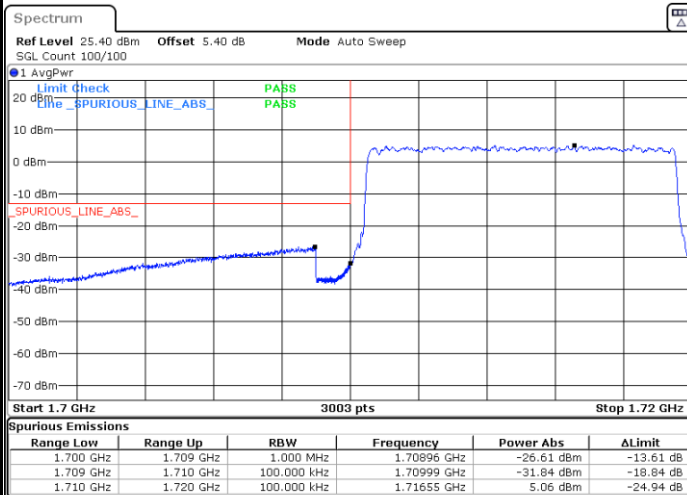
Date: 12.JAN.2022 15:07:41

Highest Band Edge / 1 RB



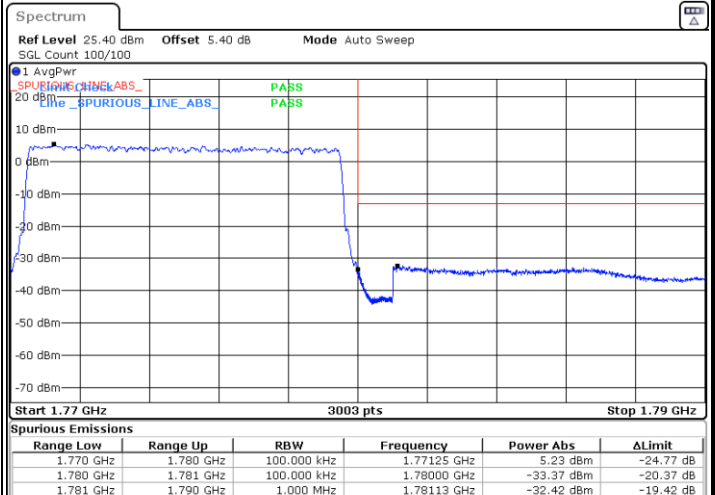
Date: 12.JAN.2022 15:18:13

Lowest Band Edge / Full RB



Date: 12.JAN.2022 15:15:04

Highest Band Edge / Full RB

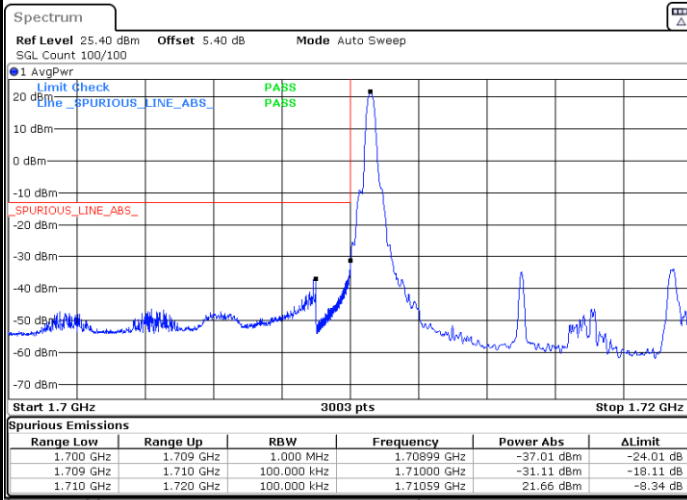


Date: 12.JAN.2022 15:25:39



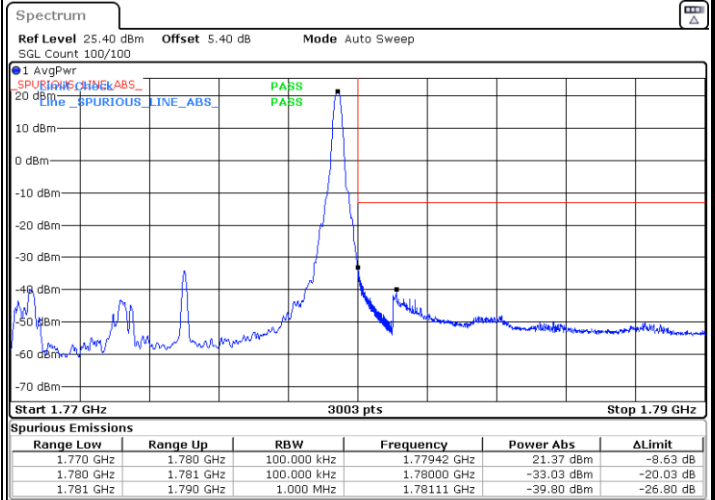
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



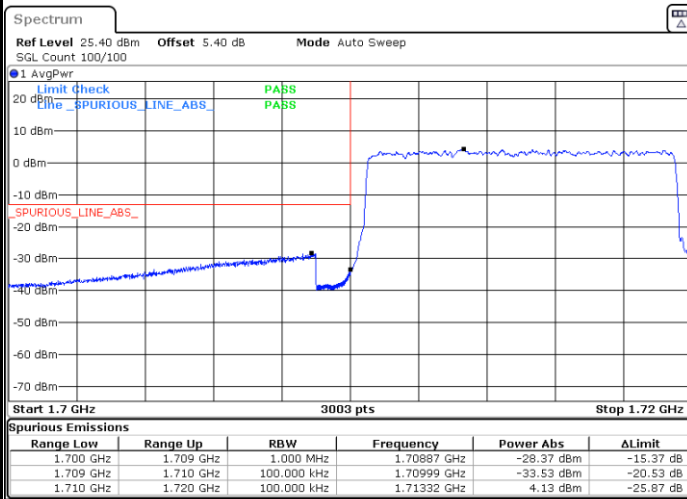
Date: 12.JAN.2022 15:08:44

Highest Band Edge / 1 RB



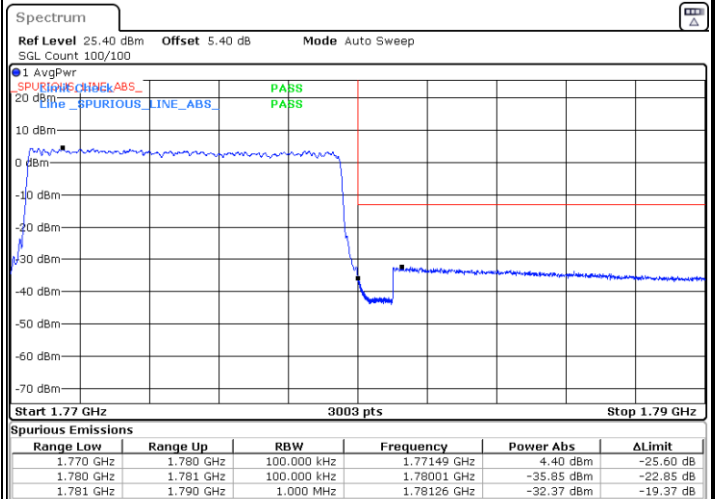
Date: 12.JAN.2022 15:19:16

Lowest Band Edge / Full RB



Date: 12.JAN.2022 15:14:01

Highest Band Edge / Full RB

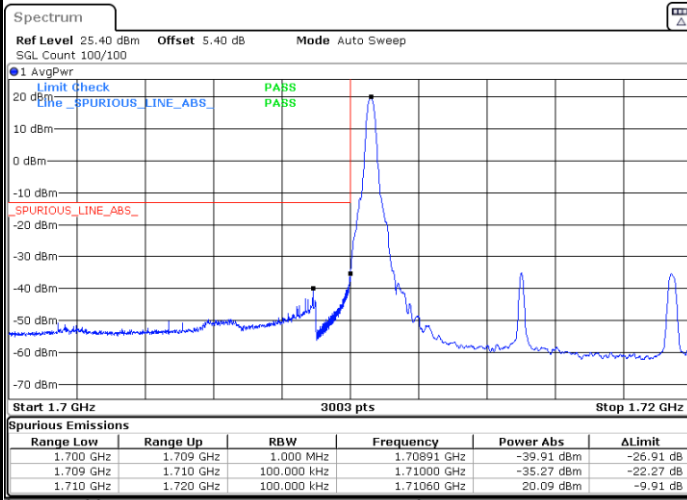


Date: 12.JAN.2022 15:24:36



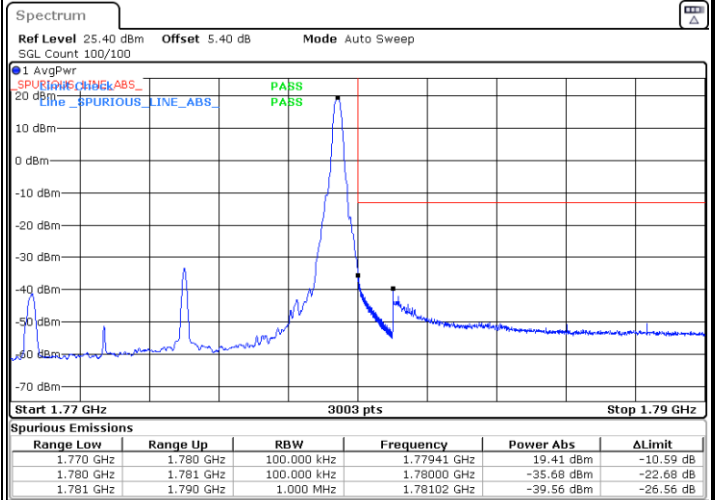
LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



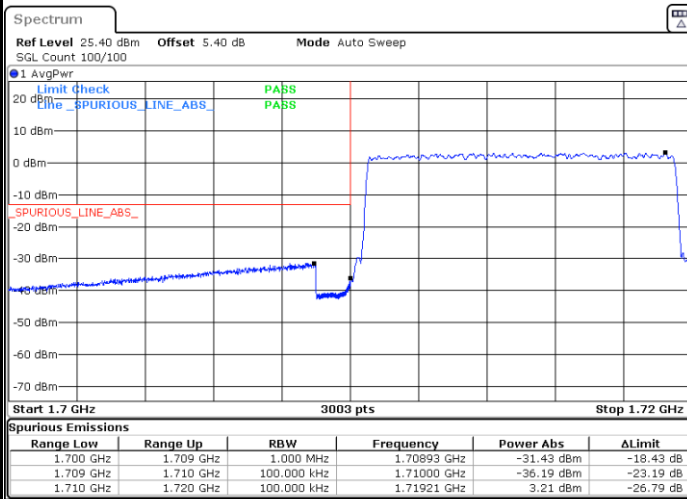
Date: 12.JAN.2022 15:09:47

Highest Band Edge / 1 RB



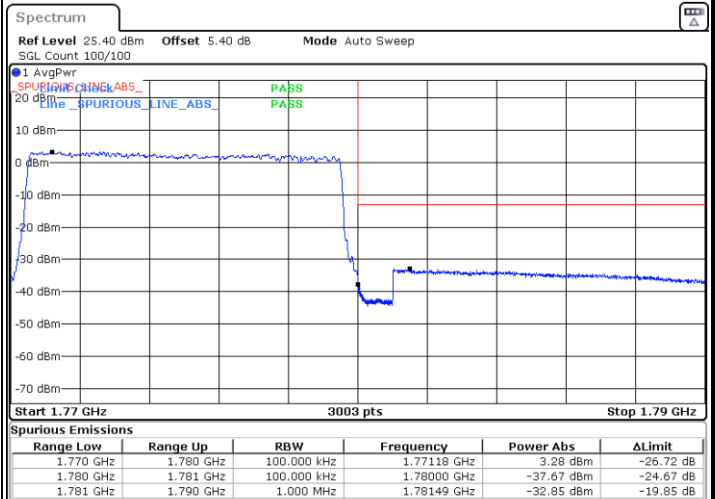
Date: 12.JAN.2022 15:20:19

Lowest Band Edge / Full RB



Date: 12.JAN.2022 15:12:59

Highest Band Edge / Full RB

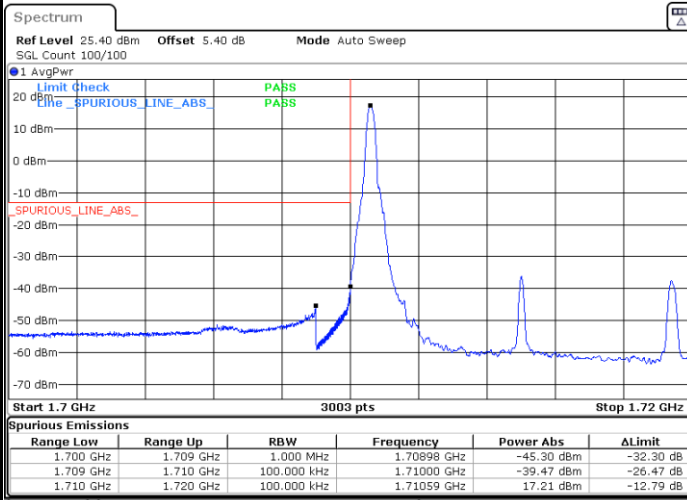


Date: 12.JAN.2022 15:23:33



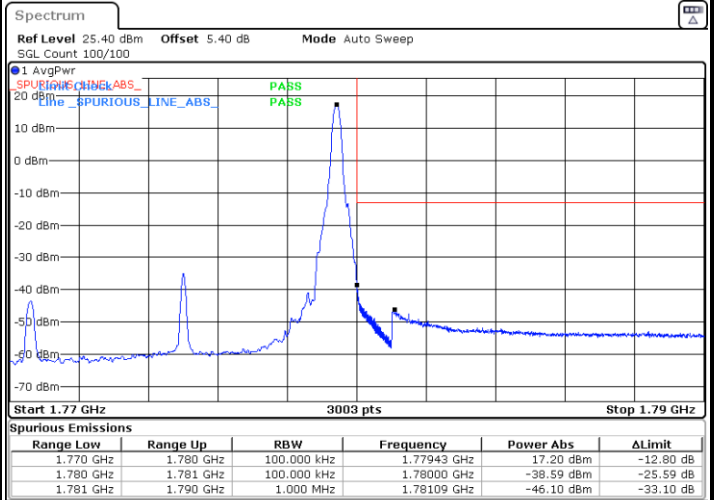
LTE Band 66 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



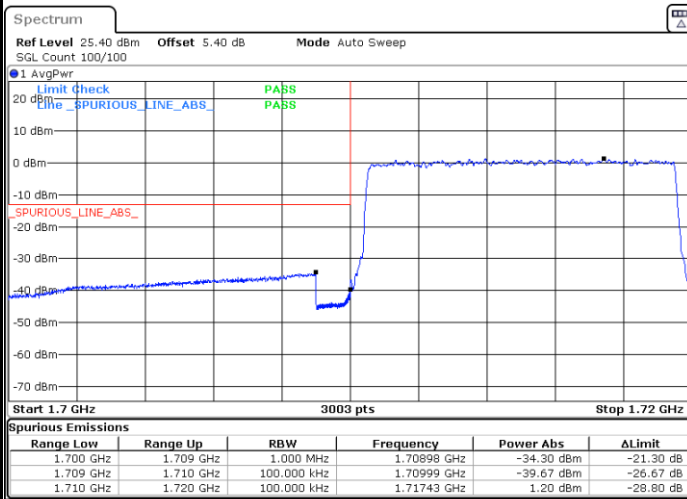
Date: 12.JAN.2022 15:10:50

Highest Band Edge / 1 RB



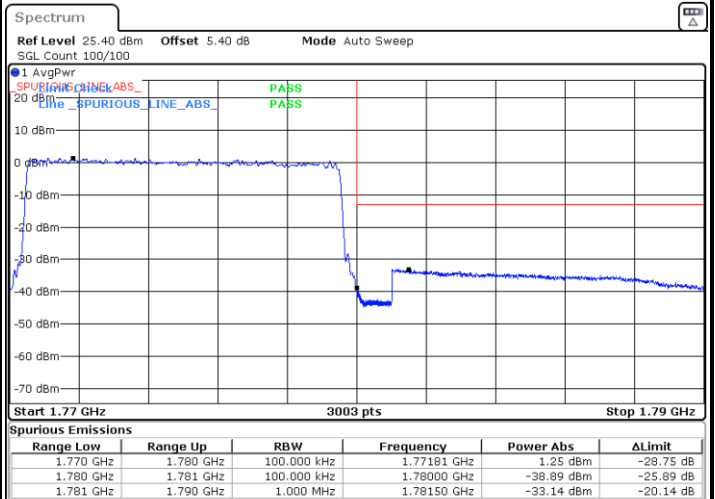
Date: 12.JAN.2022 15:21:22

Lowest Band Edge / Full RB



Date: 12.JAN.2022 15:11:56

Highest Band Edge / Full RB

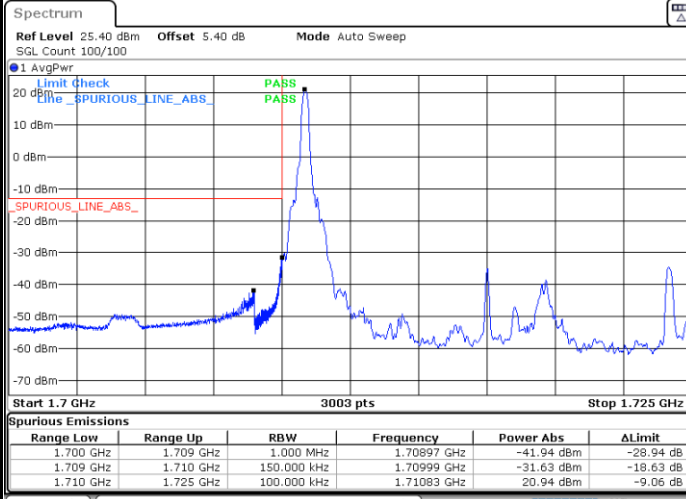


Date: 12.JAN.2022 15:22:28



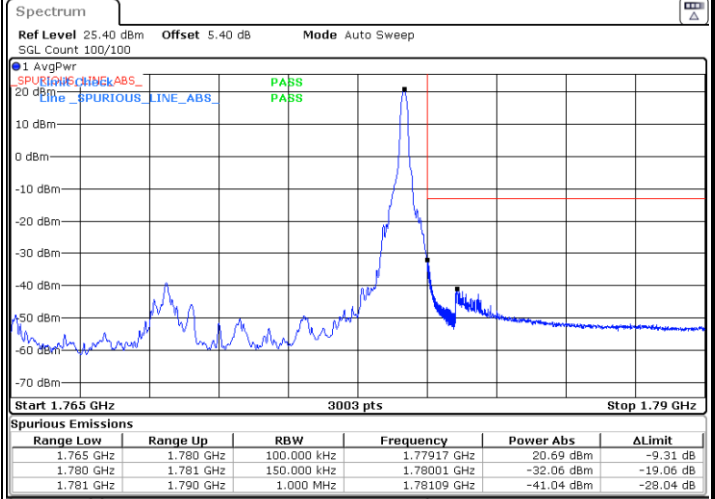
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



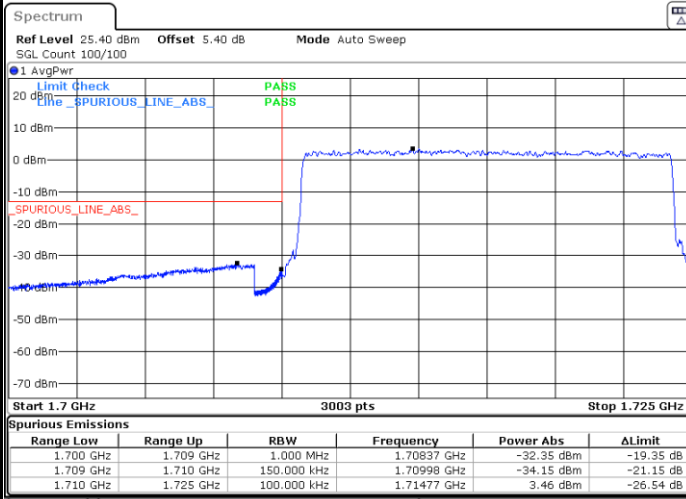
Date: 12.JAN.2022 15:27:36

Highest Band Edge / 1 RB



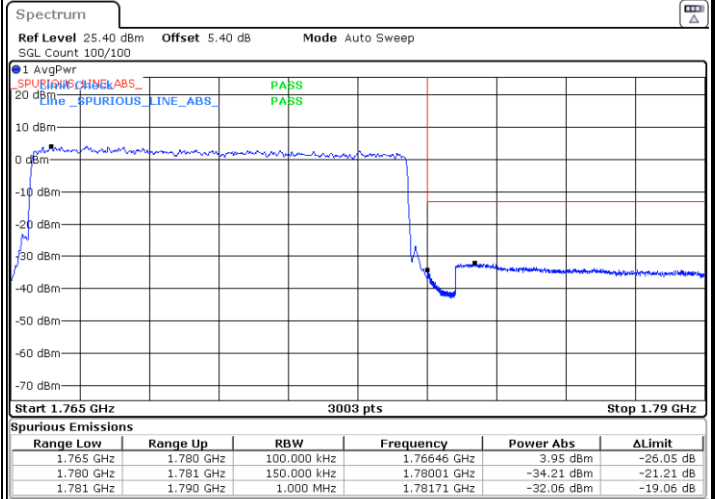
Date: 12.JAN.2022 15:56:33

Lowest Band Edge / Full RB



Date: 12.JAN.2022 15:49:48

Highest Band Edge / Full RB

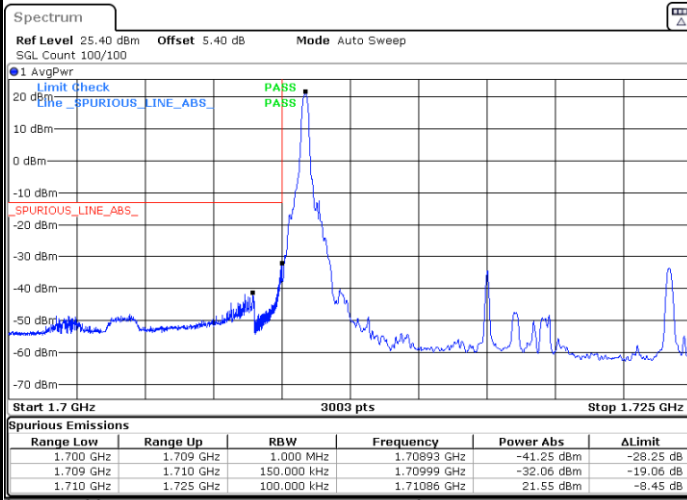


Date: 12.JAN.2022 15:58:42



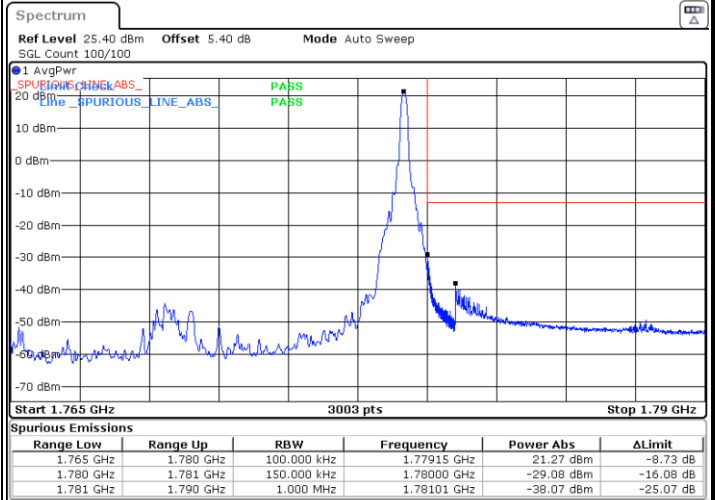
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



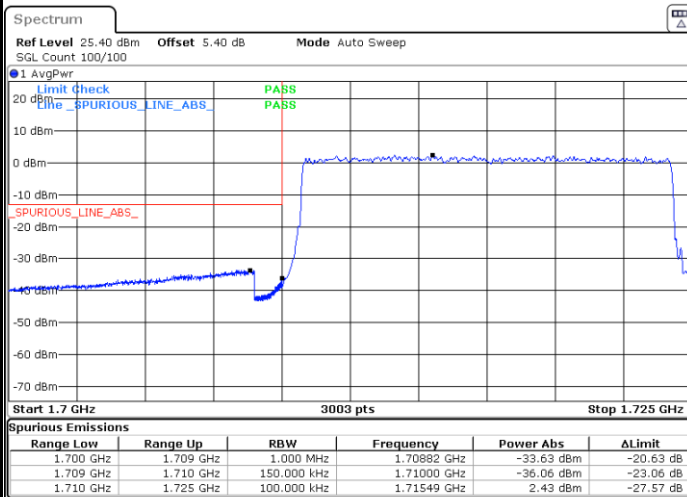
Date: 12.JAN.2022 15:28:39

Highest Band Edge / 1 RB



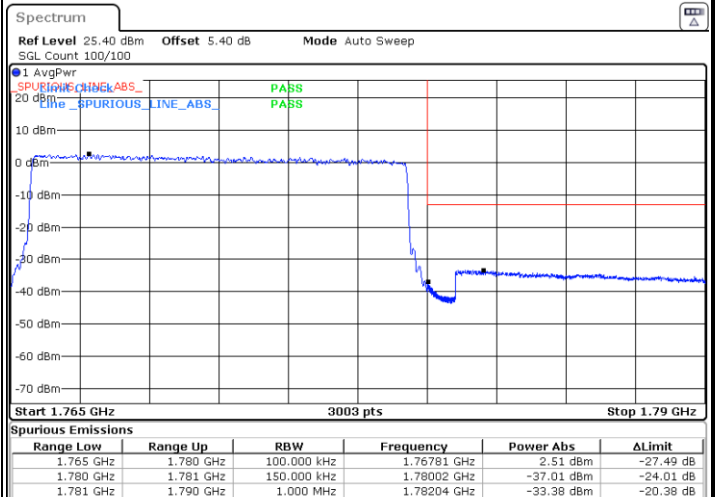
Date: 12.JAN.2022 15:57:02

Lowest Band Edge / Full RB



Date: 12.JAN.2022 15:50:14

Highest Band Edge / Full RB

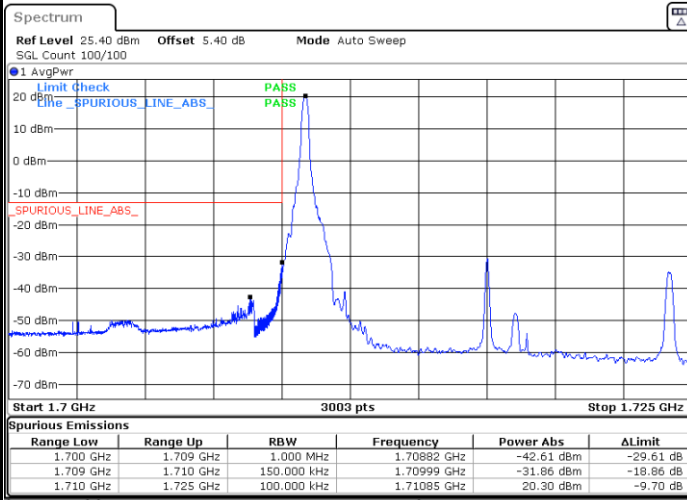


Date: 12.JAN.2022 15:59:09



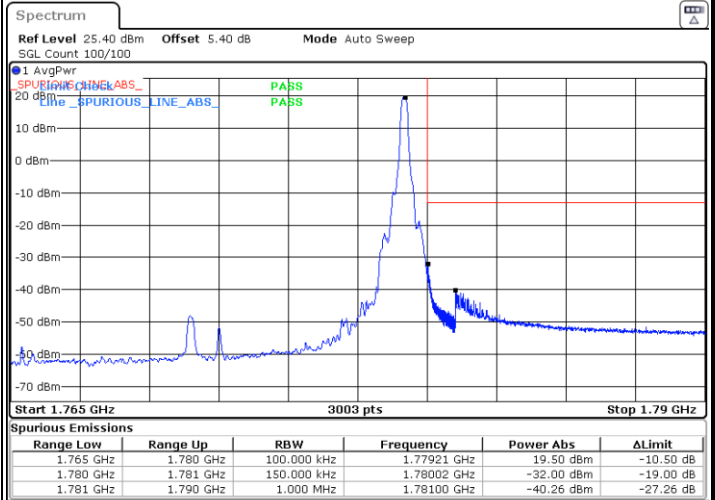
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



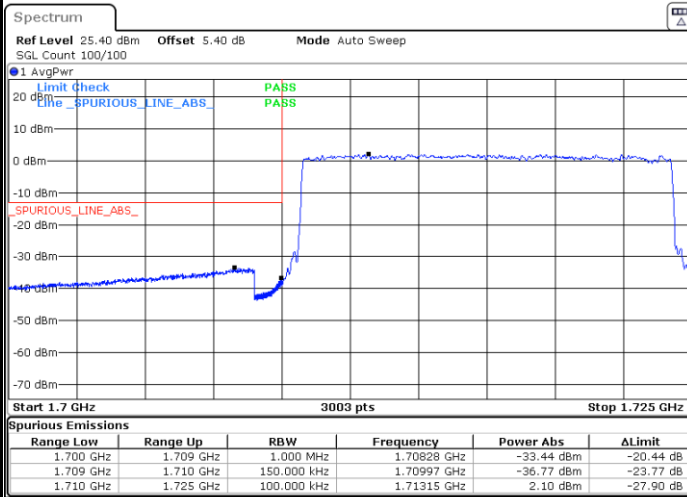
Date: 12.JAN.2022 15:29:41

Highest Band Edge / 1 RB



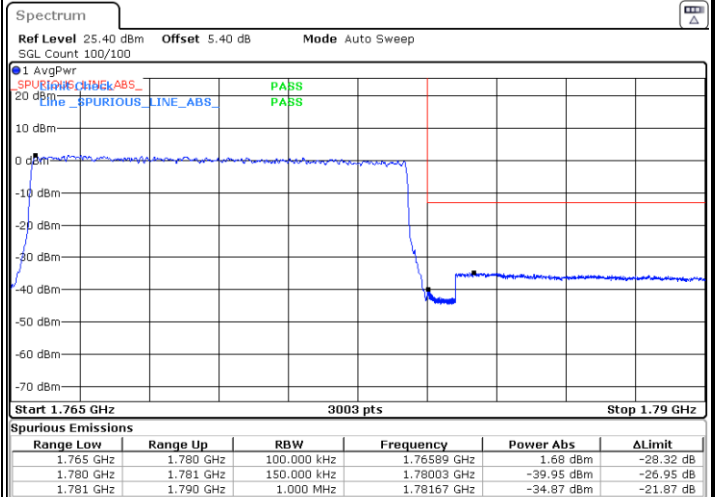
Date: 12.JAN.2022 15:57:32

Lowest Band Edge / Full RB



Date: 12.JAN.2022 15:51:32

Highest Band Edge / Full RB

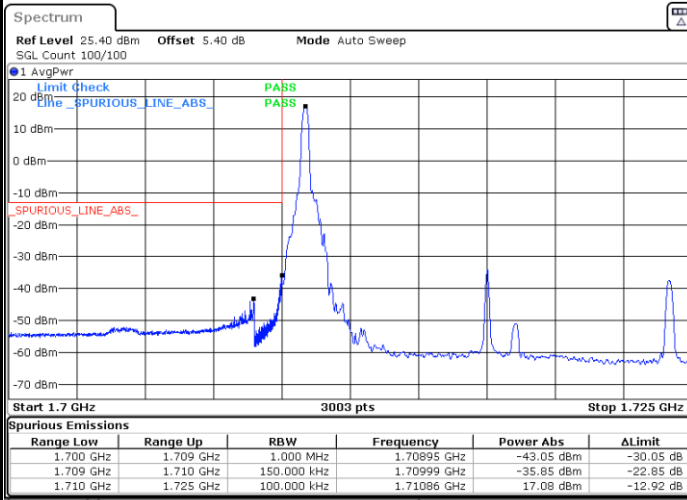


Date: 12.JAN.2022 15:59:39



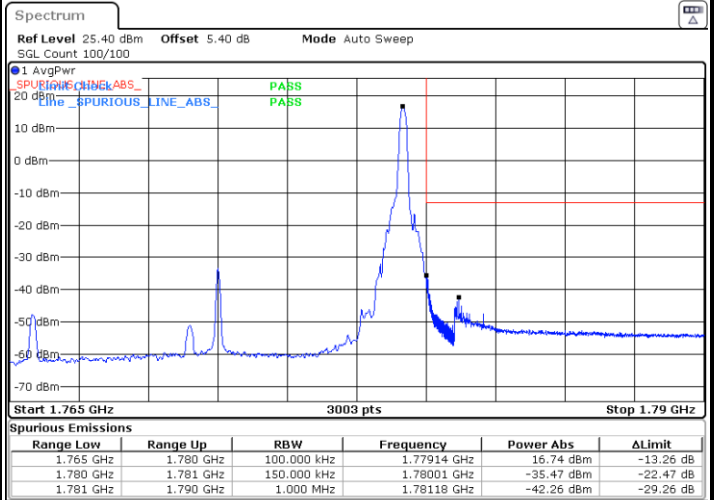
LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



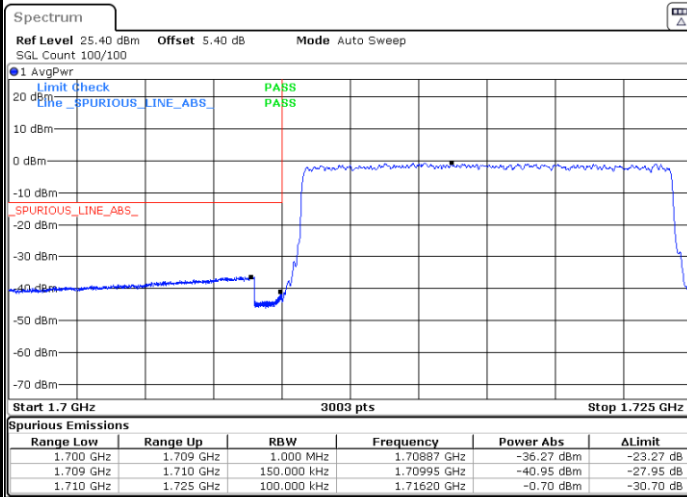
Date: 12.JAN.2022 15:30:44

Highest Band Edge / 1 RB



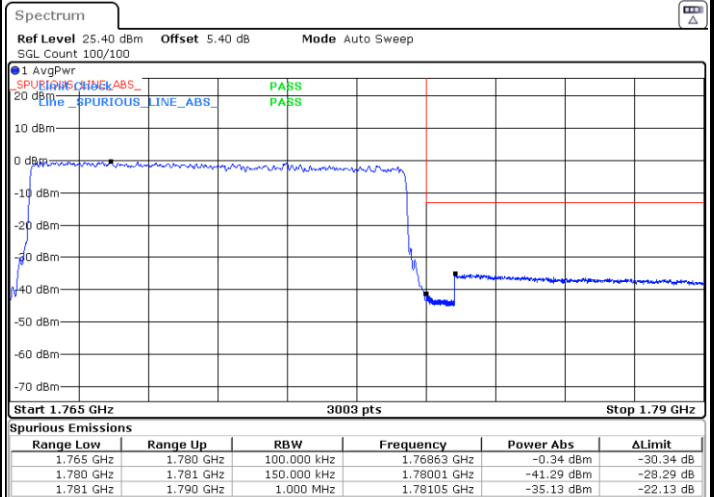
Date: 12.JAN.2022 15:58:01

Lowest Band Edge / Full RB



Date: 12.JAN.2022 15:52:06

Highest Band Edge / Full RB

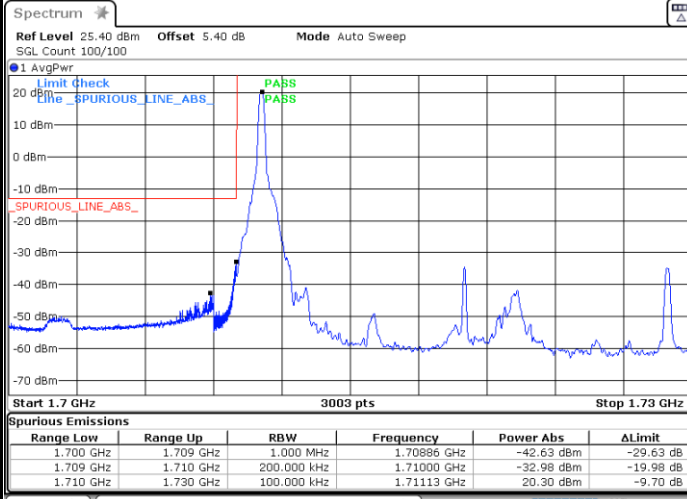


Date: 12.JAN.2022 16:00:19



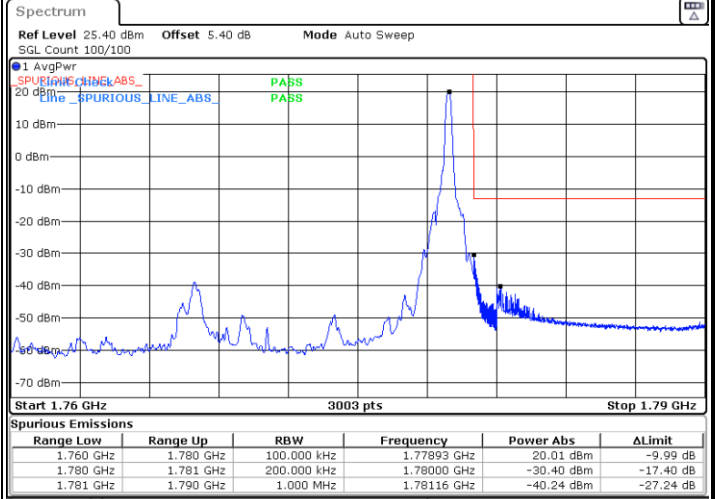
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



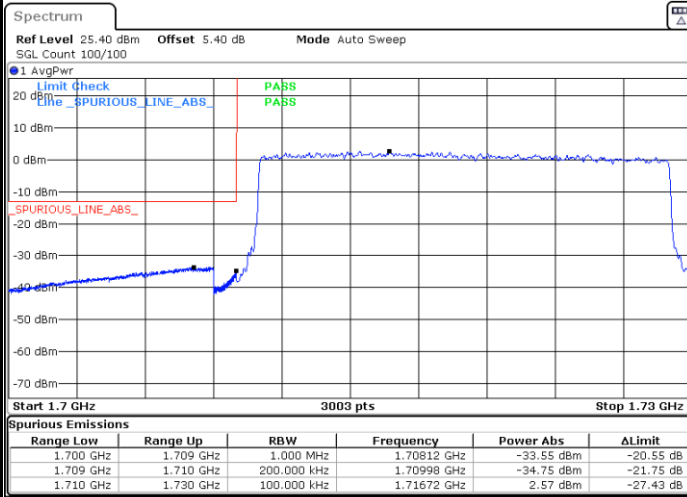
Date: 12.JAN.2022 16:07:36

Highest Band Edge / 1 RB



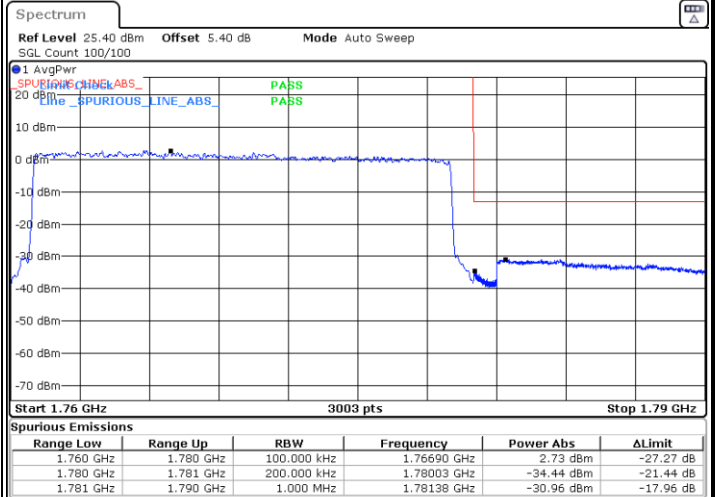
Date: 12.JAN.2022 16:15:00

Lowest Band Edge / Full RB



Date: 12.JAN.2022 16:09:49

Highest Band Edge / Full RB

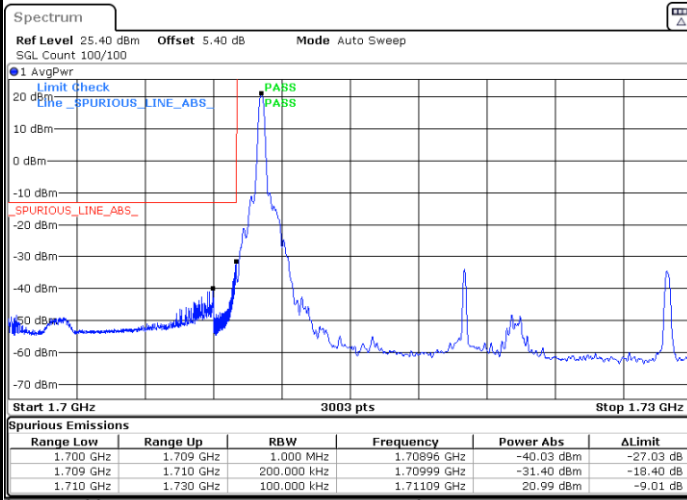


Date: 12.JAN.2022 16:17:29



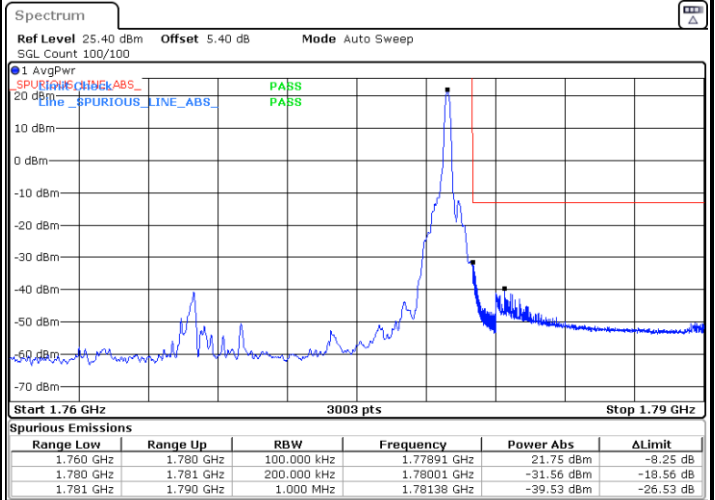
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



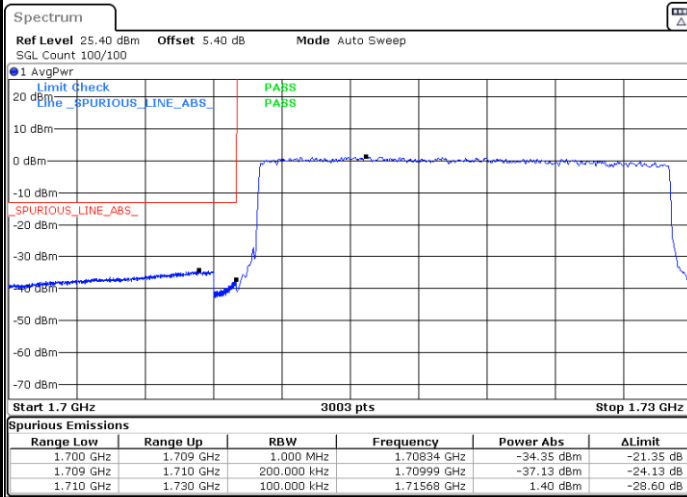
Date: 12.JAN.2022 16:08:04

Highest Band Edge / 1 RB



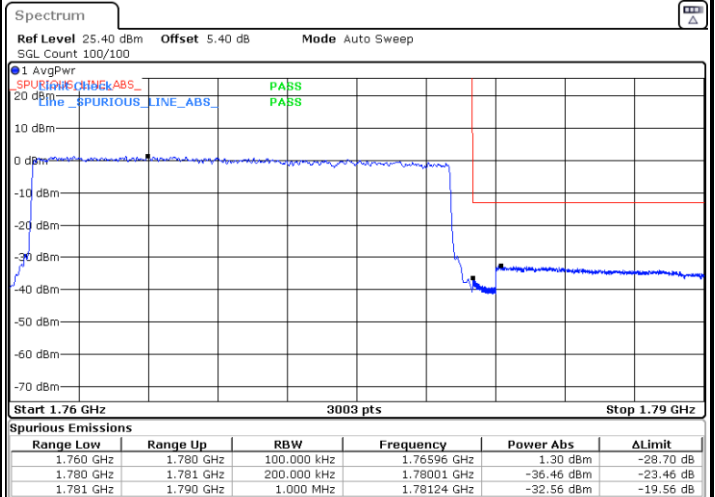
Date: 12.JAN.2022 16:15:30

Lowest Band Edge / Full RB



Date: 12.JAN.2022 16:10:15

Highest Band Edge / Full RB

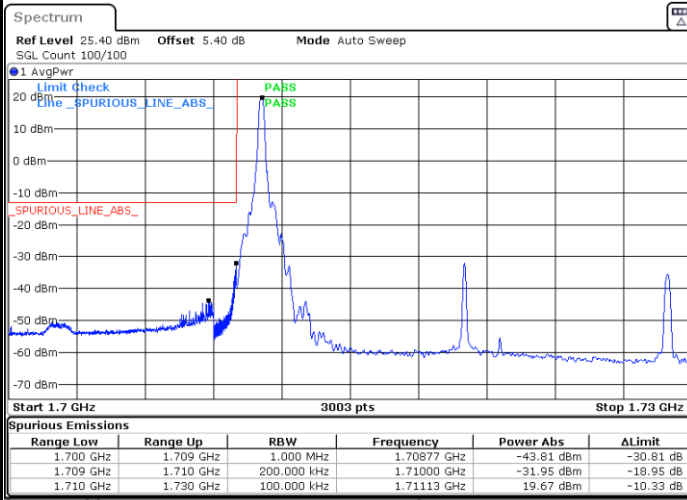


Date: 12.JAN.2022 16:18:00



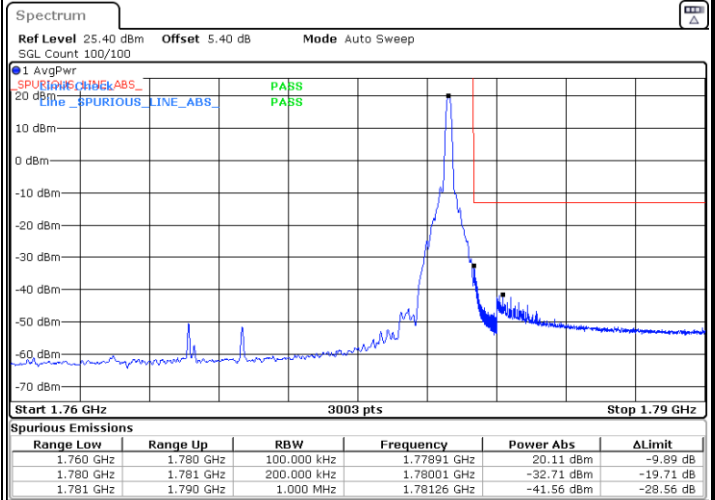
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



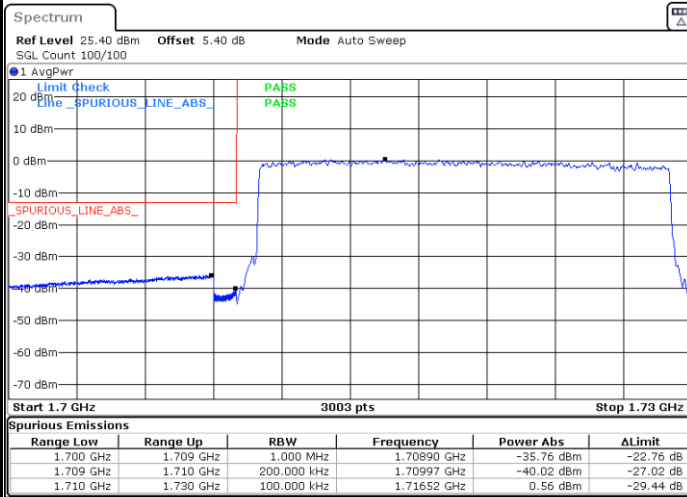
Date: 12.JAN.2022 16:08:39

Highest Band Edge / 1 RB



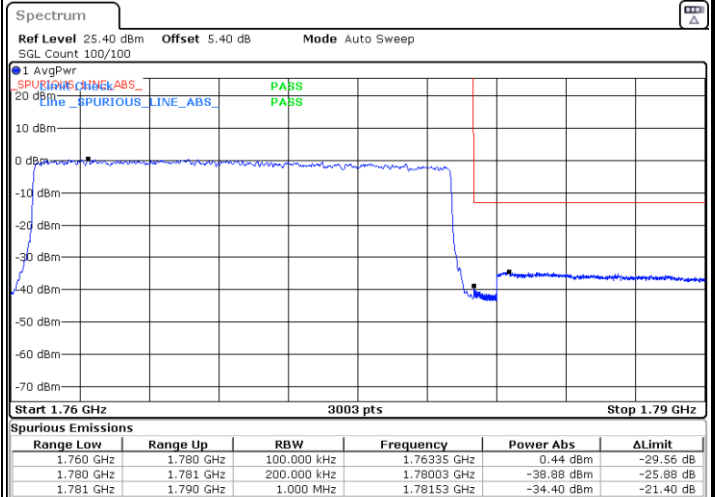
Date: 12.JAN.2022 16:16:17

Lowest Band Edge / Full RB



Date: 12.JAN.2022 16:11:33

Highest Band Edge / Full RB

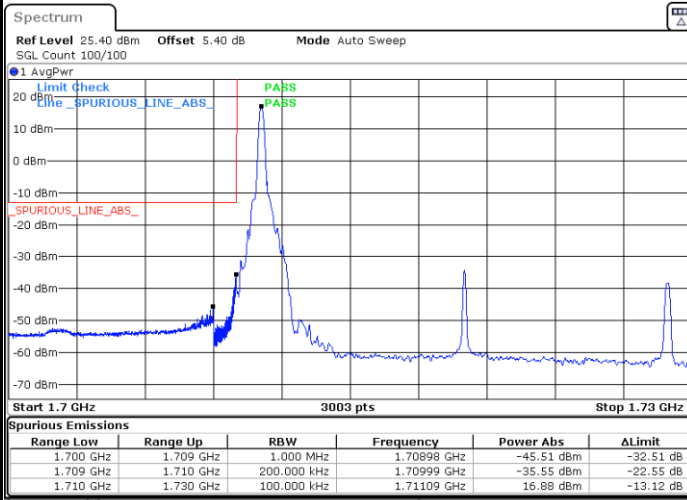


Date: 12.JAN.2022 16:18:30



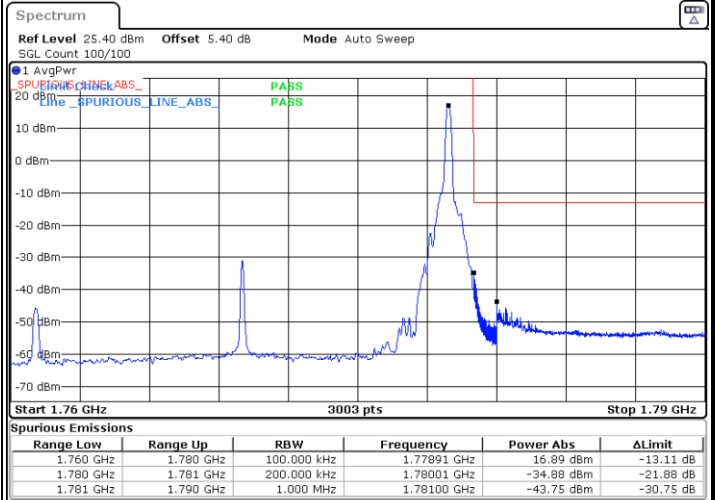
LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



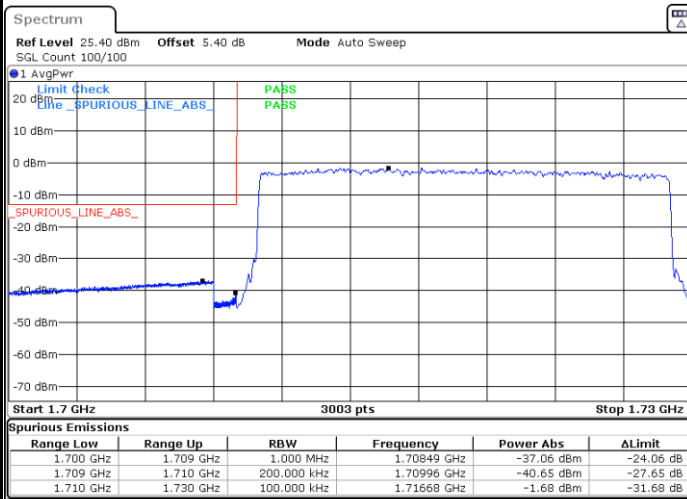
Date: 12.JAN.2022 16:09:14

Highest Band Edge / 1 RB



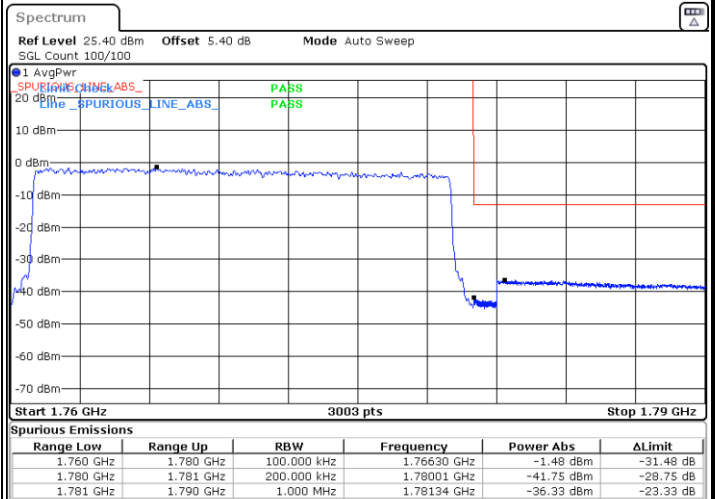
Date: 12.JAN.2022 16:16:44

Lowest Band Edge / Full RB



Date: 12.JAN.2022 16:12:00

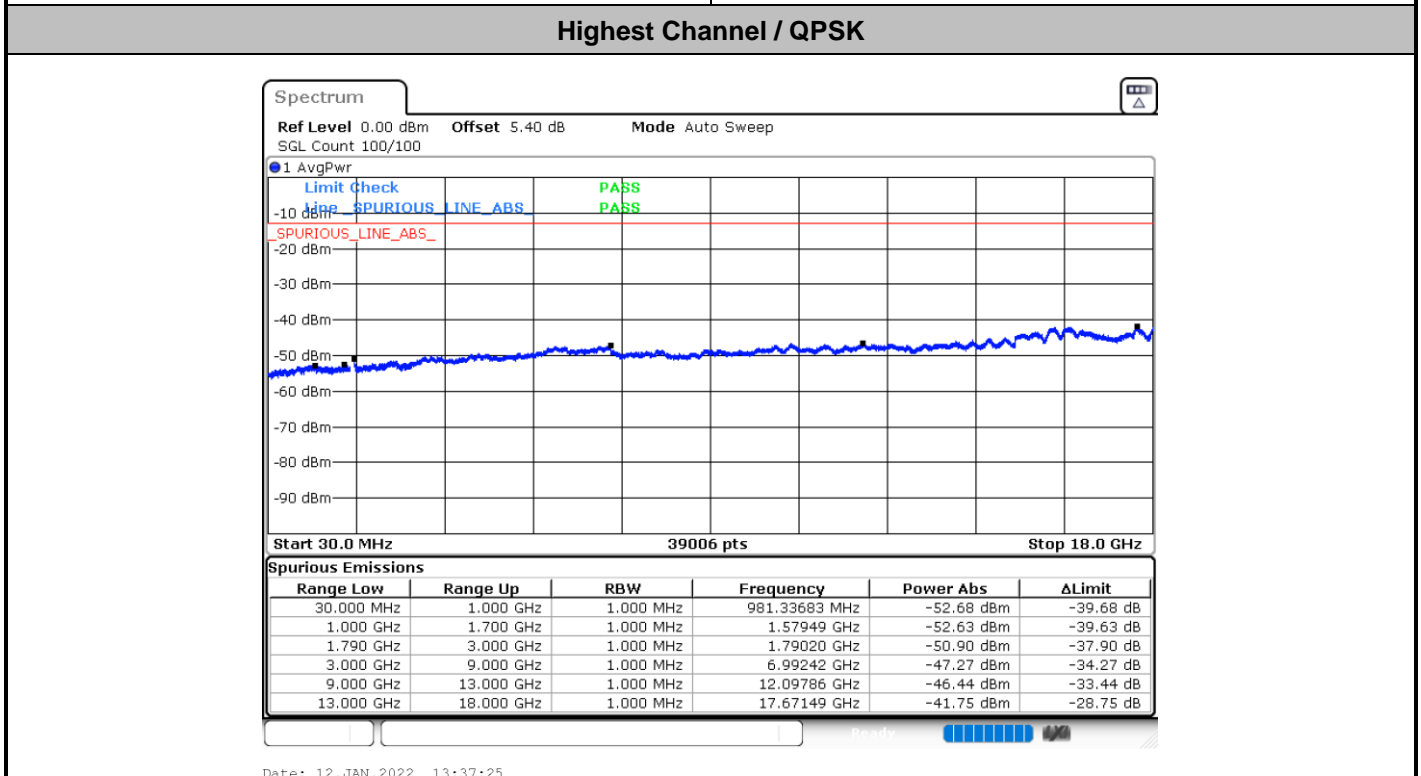
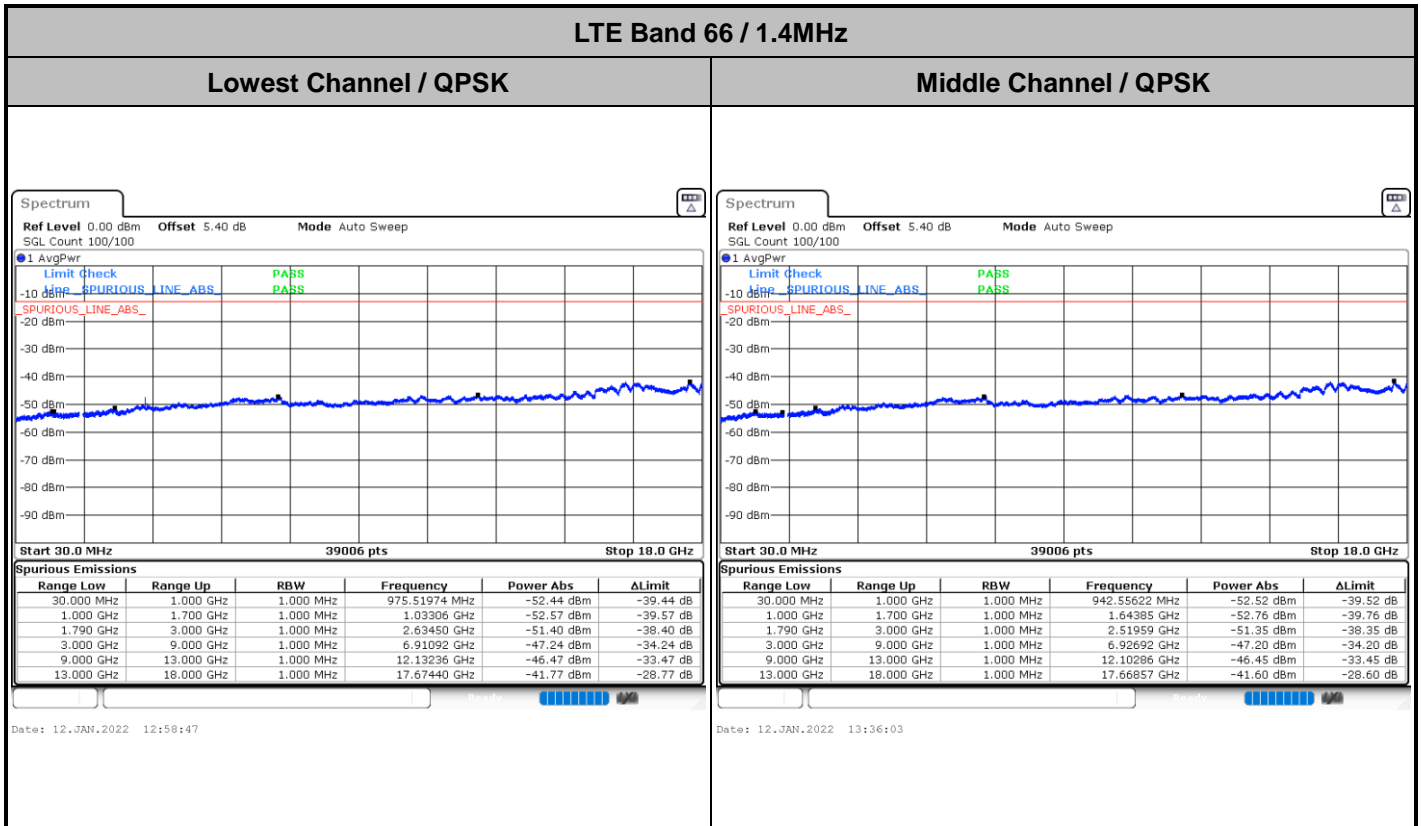
Highest Band Edge / Full RB



Date: 12.JAN.2022 16:18:57



Conducted Spurious Emission

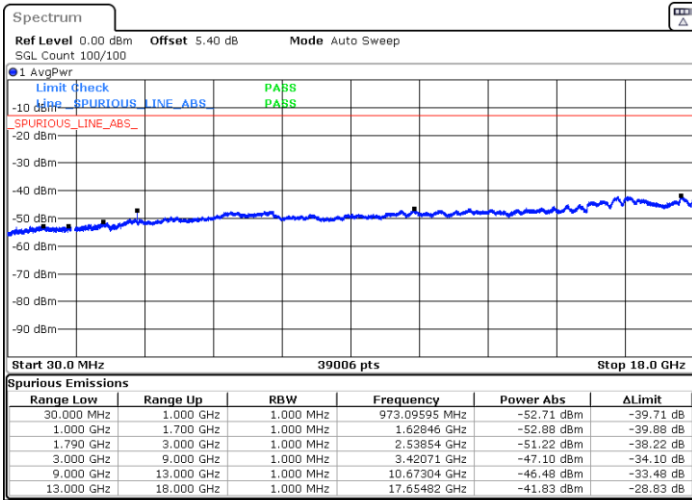




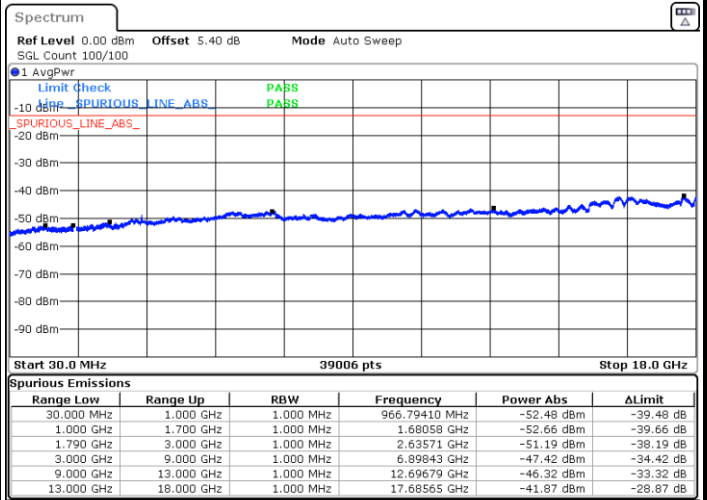
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

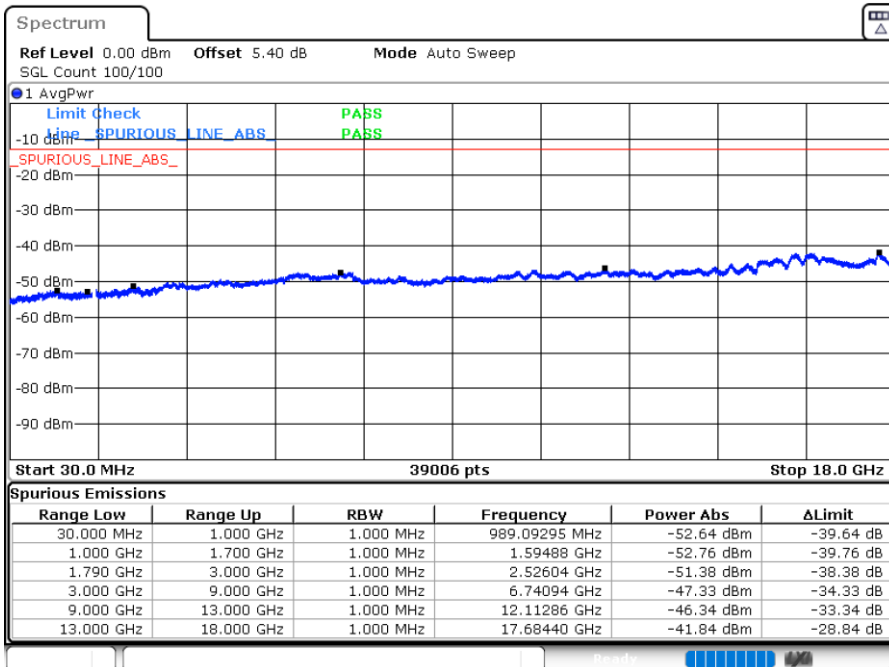


Date: 12. JAN. 2022 13:49:58



Date: 12. JAN. 2022 14:02:17

Highest Channel / QPSK

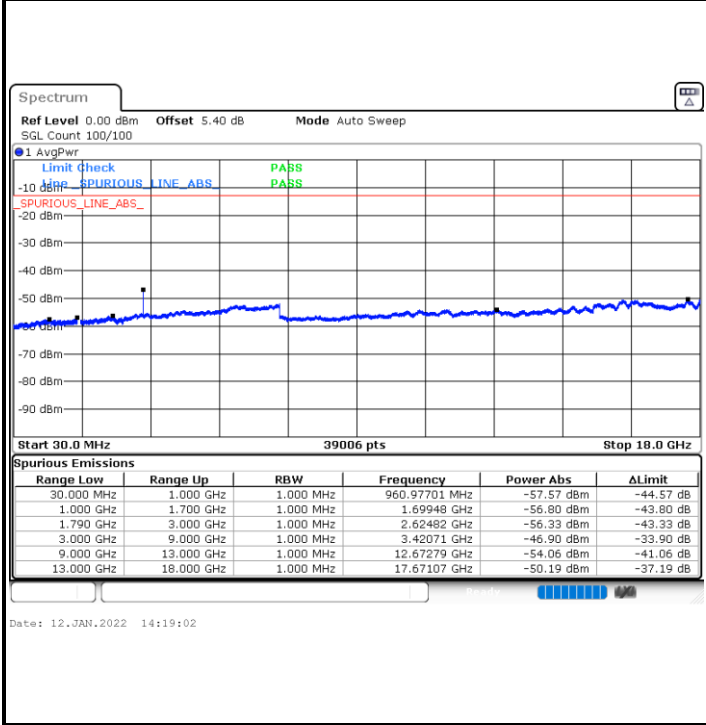


Date: 12. JAN. 2022 14:03:40

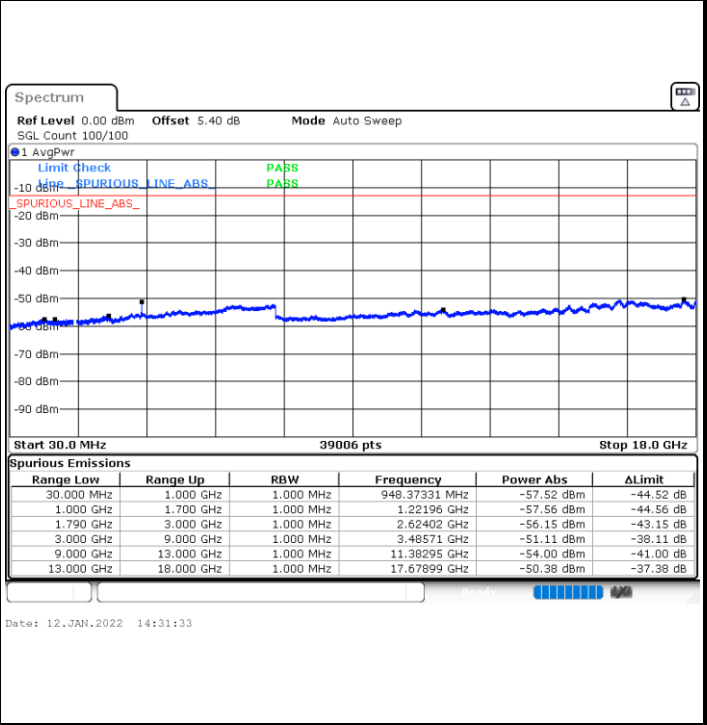


LTE Band 66 / 5MHz

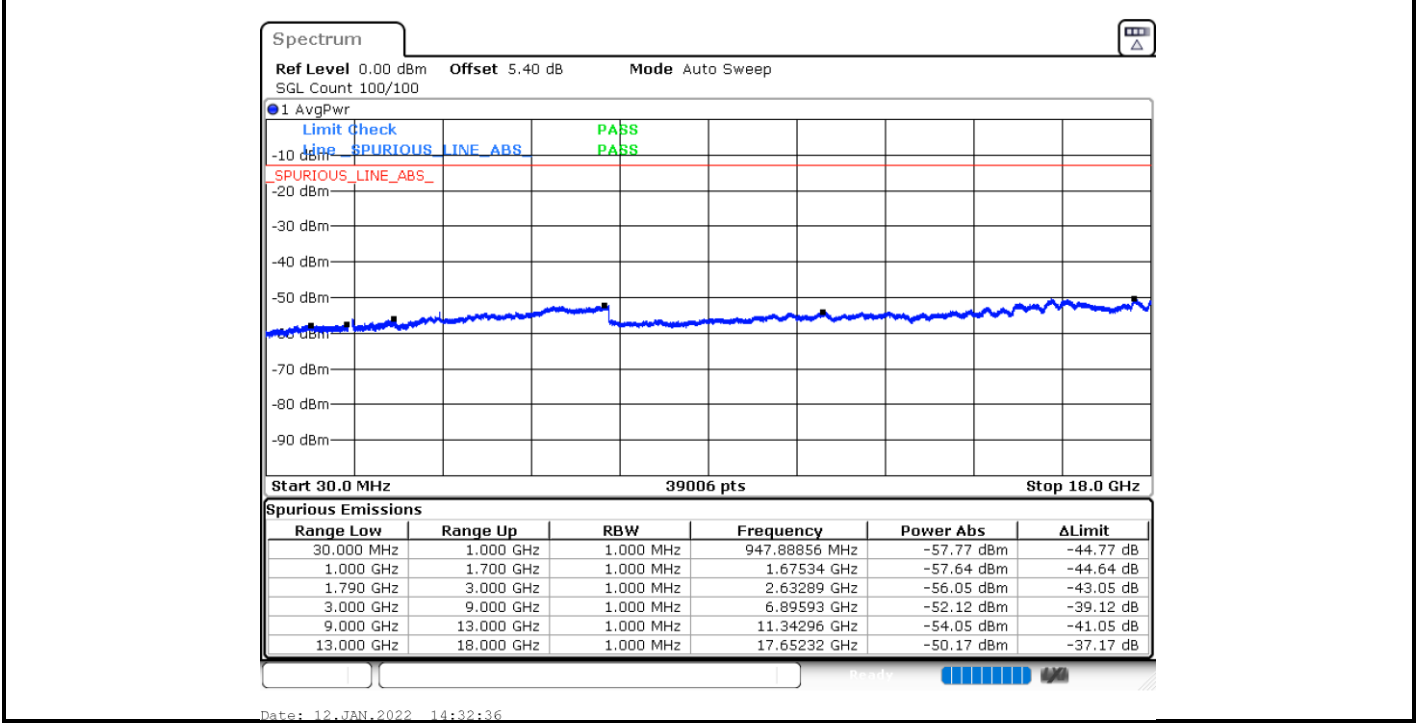
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

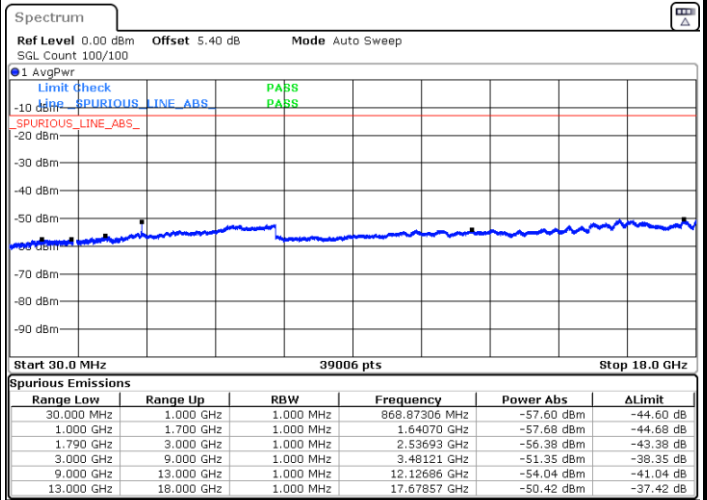
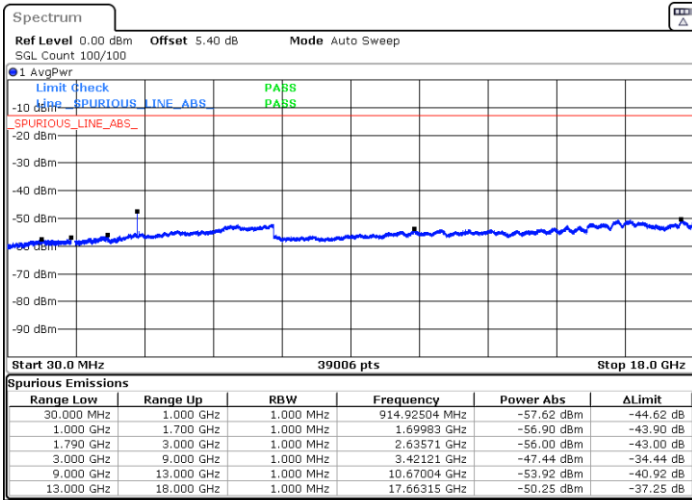




LTE Band 66 / 10MHz

Lowest Channel / QPSK

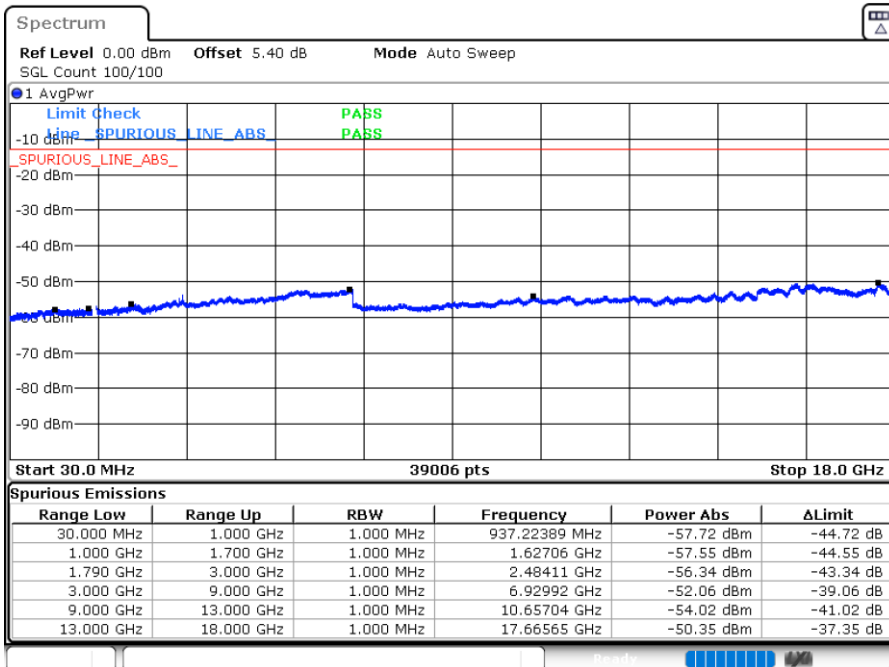
Middle Channel / QPSK



Date: 12. JAN. 2022 15:06:48

Date: 12. JAN. 2022 15:16:07

Highest Channel / QPSK



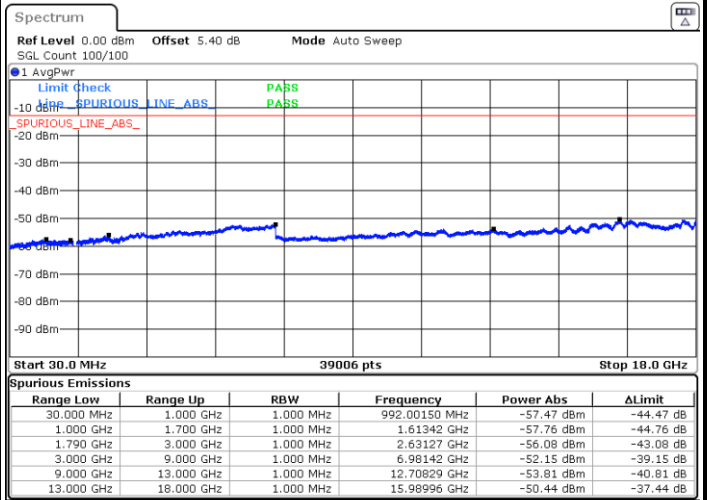
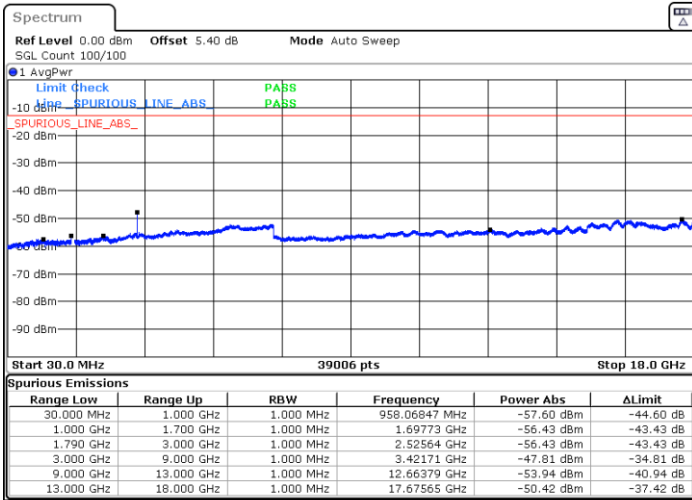
Date: 12. JAN. 2022 15:17:10



LTE Band 66 / 15MHz

Lowest Channel / QPSK

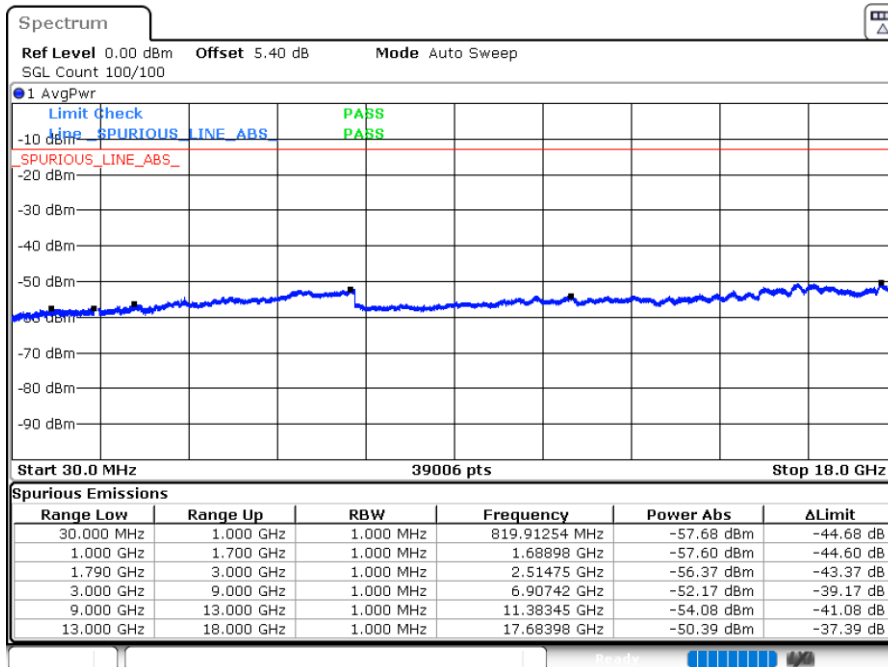
Middle Channel / QPSK



Date: 12. JAN. 2022 15:26:42

Date: 12. JAN. 2022 15:54:35

Highest Channel / QPSK



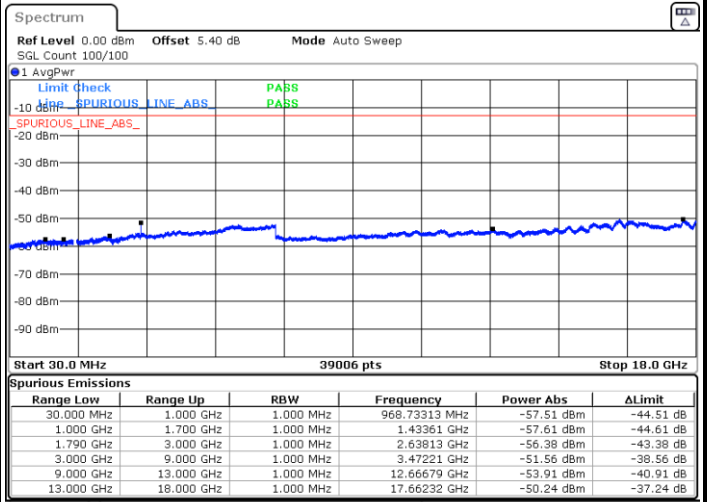
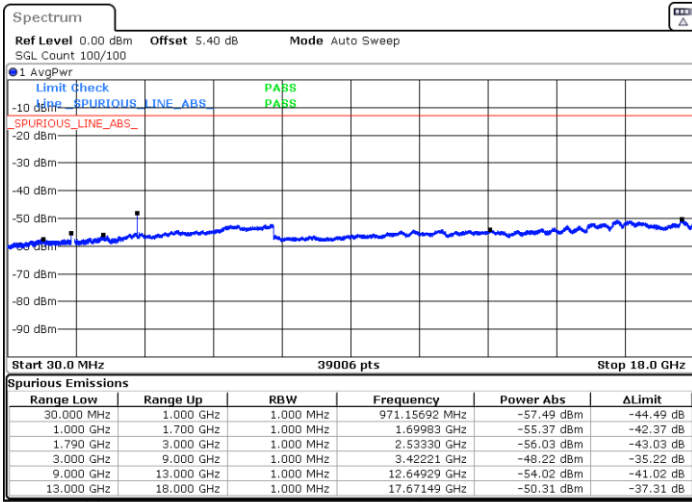
Date: 12. JAN. 2022 15:55:45



LTE Band 66 / 20MHz

Lowest Channel / QPSK

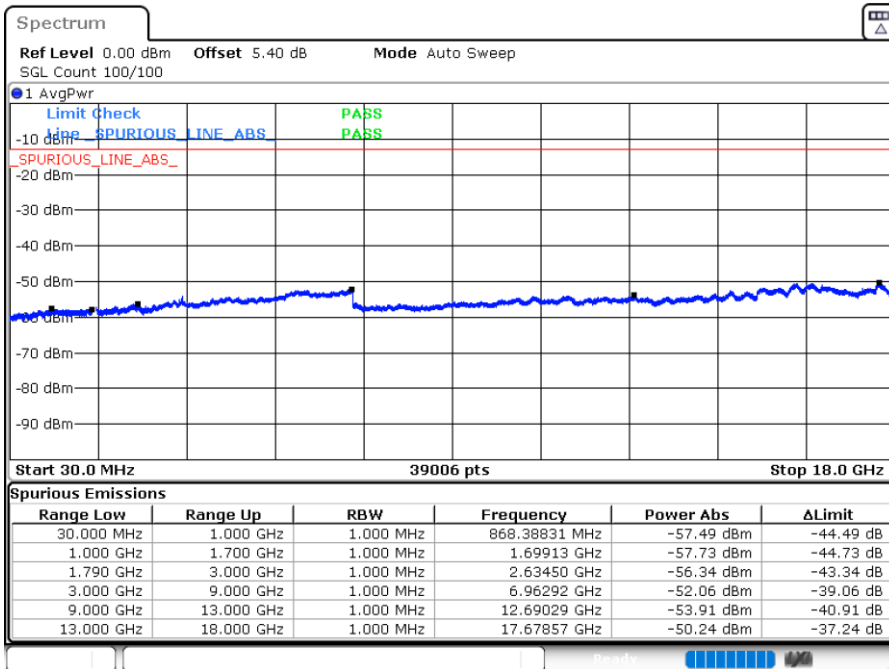
Middle Channel / QPSK



Date: 12. JAN. 2022 16:04:16

Date: 12. JAN. 2022 16:13:07

Highest Channel / QPSK



Date: 12. JAN. 2022 16:14:14



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	0.0015	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 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%

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	3741	-56.16	-13	-43.16	-68.42	2.64	14.90	H
	5613	-54.91	-13	-41.91	-66.77	2.94	14.80	H
	7488	-52.58	-13	-39.58	-62.35	3.39	13.16	H
	3741	-56.72	-13	-43.72	-68.98	2.64	14.90	V
	5613	-55.18	-13	-42.18	-67.04	2.94	14.80	V
	7488	-52.59	-13	-39.59	-62.36	3.39	13.16	V

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	-66.45	-42.15	-24.30	-69.08	1.09	5.87	H
	2336	-61.39	-13	-48.39	-63.79	1.37	5.92	H
	3120	-59.84	-13	-46.84	-63.73	1.64	7.68	H
	1560	-64.45	-42.15	-22.30	-67.08	1.09	5.87	V
	2336	-59.27	-13	-46.27	-61.67	1.37	5.92	V
	3120	-59.58	-13	-46.58	-63.47	1.64	7.68	V

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	-66.51	-13	-53.51	-69.14	1.09	5.87	H
	2328	-61.40	-13	-48.40	-63.80	1.37	5.92	H
	3112	-59.36	-13	-46.36	-63.25	1.64	7.68	H
	1552	-65.21	-13	-52.21	-67.84	1.09	5.87	V
	2328	-58.86	-13	-45.86	-61.26	1.37	5.92	V
	3112	-59.35	-13	-46.35	-63.24	1.64	7.68	V



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	-56.41	-13	-43.41	-67.15	2.604	13.34	H
	5205	-54.19	-13	-41.19	-64.70	3.011	13.52	H
	6945	-53.18	-13	-40.18	-63.38	3.271	13.47	H
	3465	-56.31	-13	-43.31	-67.05	2.604	13.34	V
	5205	-54.20	-13	-41.20	-64.71	3.011	13.52	V
	6945	-54.04	-13	-41.04	-64.24	3.271	13.47	V

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

For Ant1

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	1406	-67.90	-13	-54.90	-74.87	1.58	10.70	H
	2108	-60.69	-13	-47.69	-68.94	2.102	12.50	H
	2812	-59.75	-13	-46.75	-68.64	2.856	13.90	H
	3516	-59.57	-13	-46.57	-68.03	2.689	13.30	H
	1406	-67.23	-13	-54.23	-74.20	1.58	10.70	V
	2108	-59.66	-13	-46.66	-67.91	2.10	12.50	V
	2812	-59.45	-13	-46.45	-68.34	2.86	13.90	V
	3516	-60.02	-13	-47.02	-68.48	2.69	13.30	V

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	-64.36	-13	-51.36	-71.33	1.58	10.70	H
	2488	-57.01	-13	-44.01	-65.26	2.102	12.50	H
	3320	-59.72	-13	-46.72	-68.61	2.856	13.90	H
	1656	-61.31	-13	-48.31	-68.28	1.58	10.70	V
	2488	-55.48	-13	-42.48	-63.73	2.10	12.50	V
	3320	-60.07	-13	-47.07	-68.96	2.86	13.90	V

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