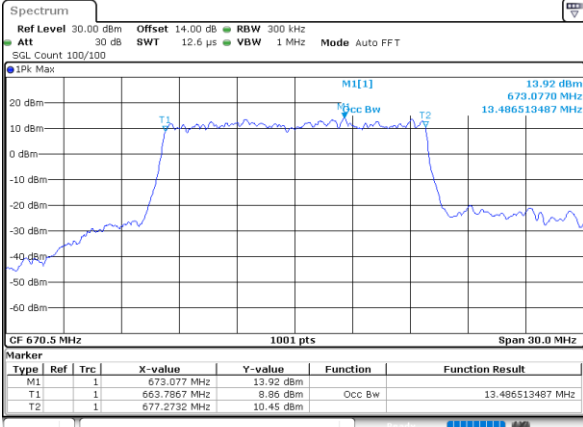




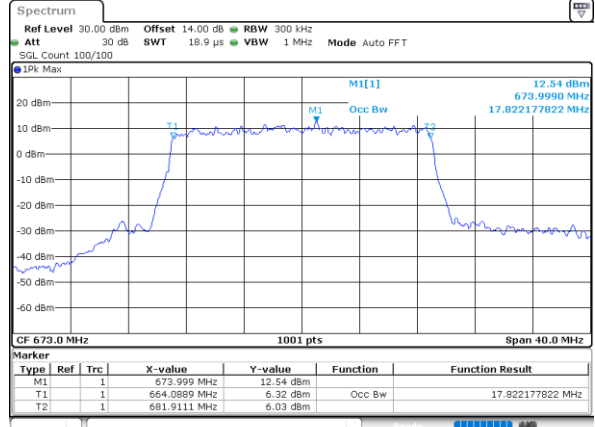
LTE Band 71

Lowest Channel / 15MHz / 64QAM



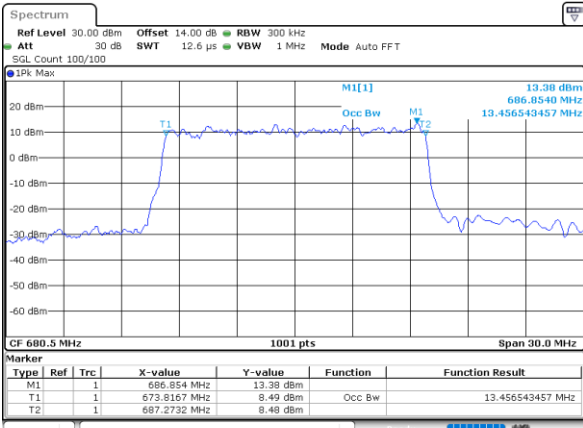
Date: 8,NOV,2022 10:06:59

Lowest Channel / 20MHz / 64QAM



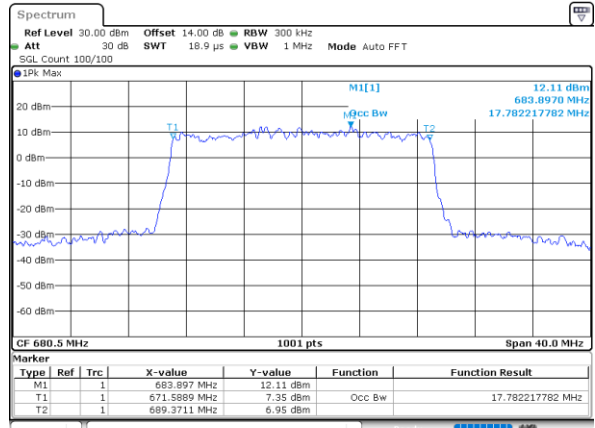
Date: 8,NOV,2022 10:30:08

Middle Channel / 15MHz / 64QAM



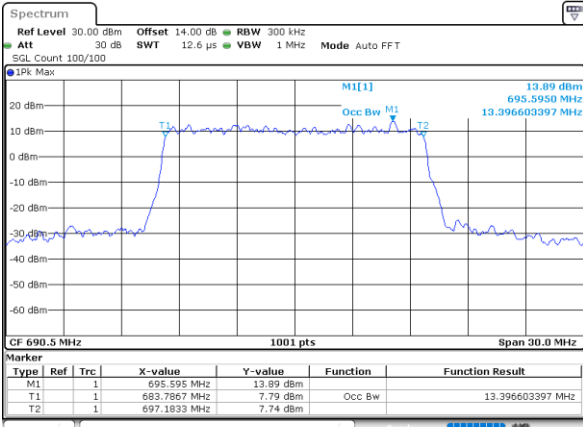
Date: 8,NOV,2022 10:50:19

Middle Channel / 20MHz / 64QAM



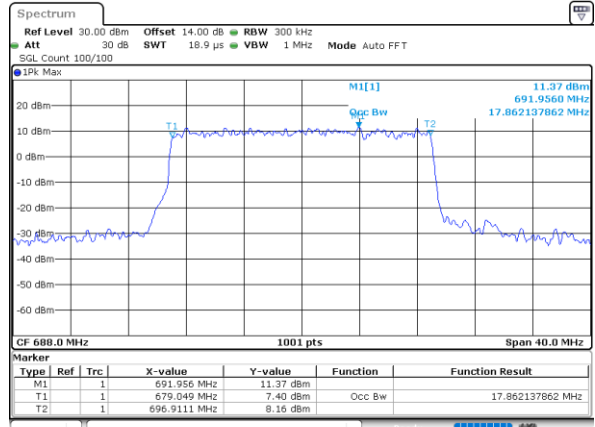
Date: 8,NOV,2022 10:33:49

Highest Channel / 15MHz / 64QAM



Date: 8,NOV,2022 10:51:54

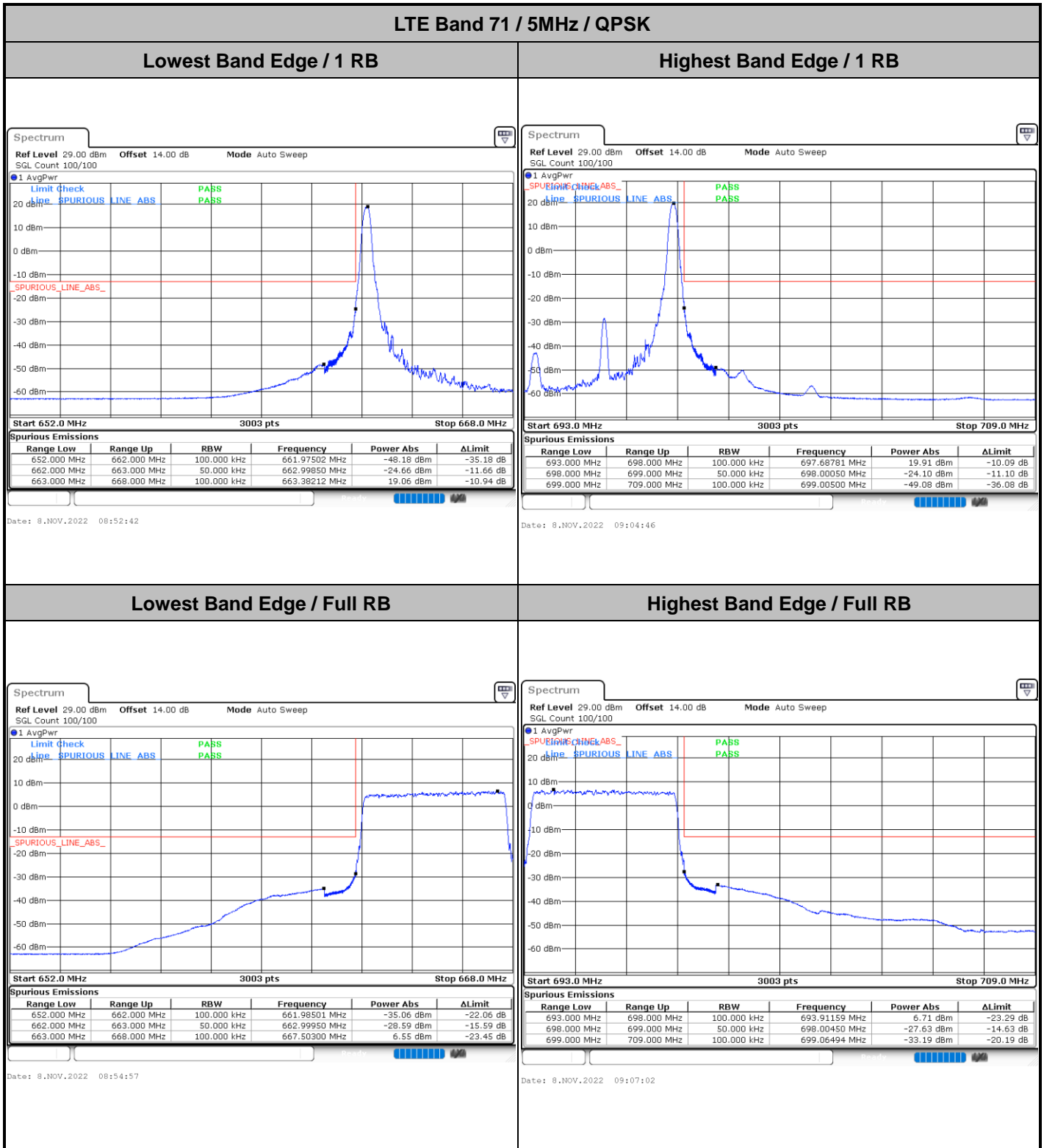
Highest Channel / 20MHz / 64QAM



Date: 8,NOV,2022 10:35:23



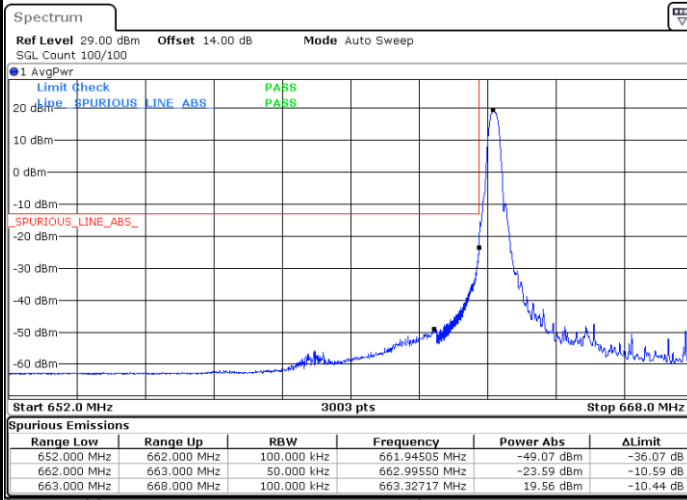
Conducted Band Edge





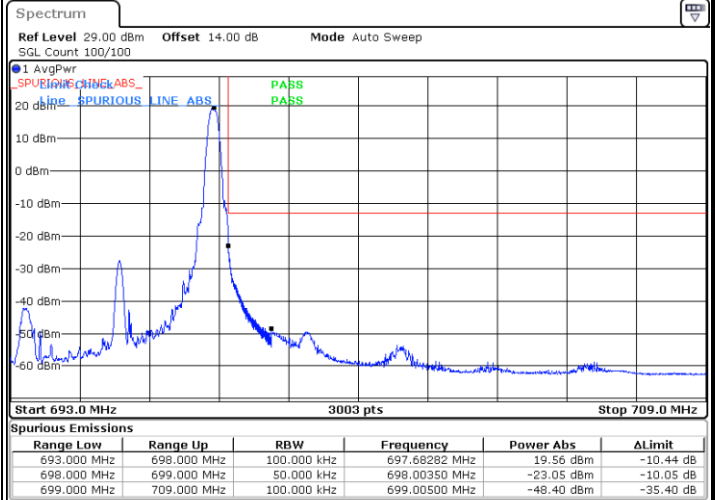
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



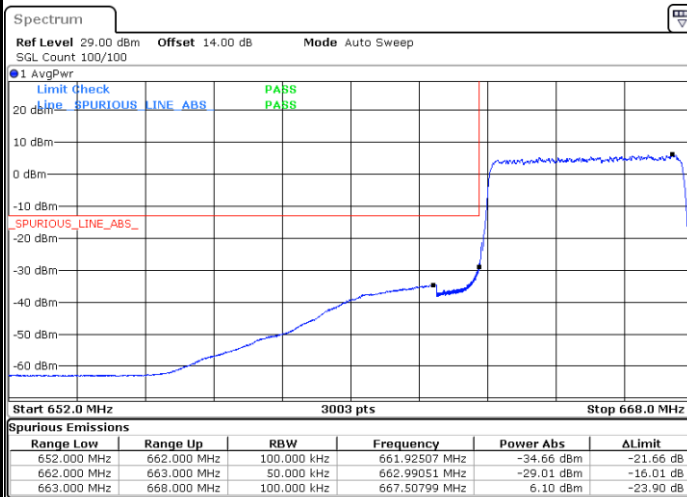
Date: 8.NOV.2022 08:53:50

Highest Band Edge / 1 RB



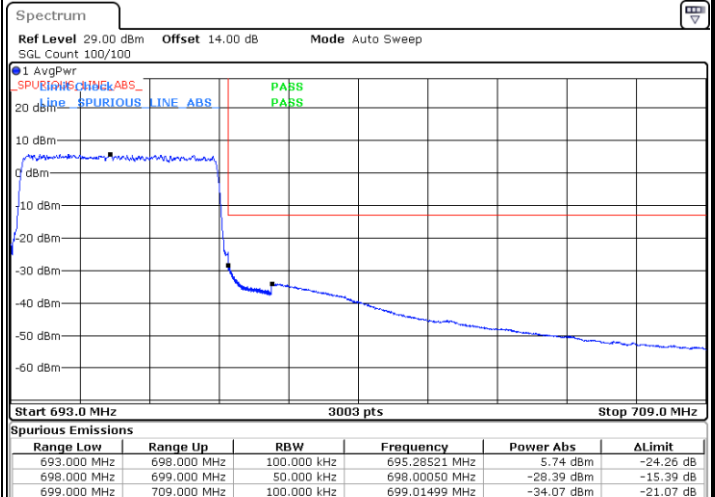
Date: 8.NOV.2022 09:05:54

Lowest Band Edge / Full RB



Date: 8.NOV.2022 08:56:05

Highest Band Edge / Full RB

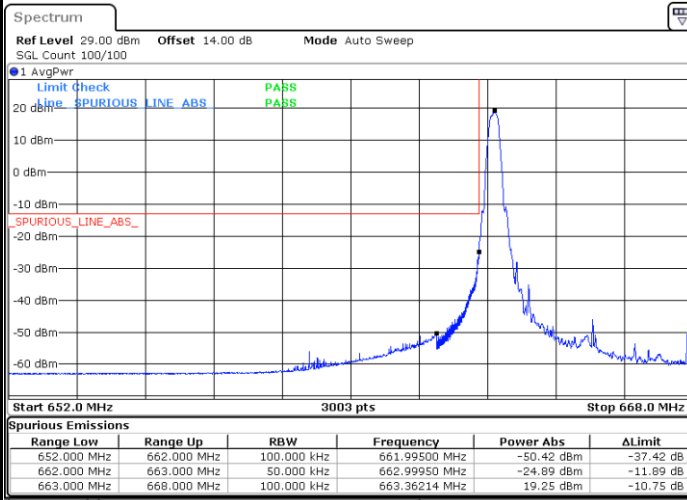


Date: 8.NOV.2022 09:08:05



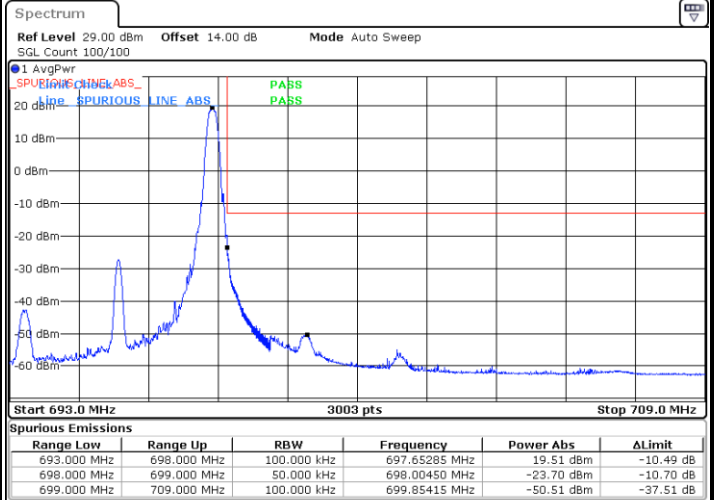
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



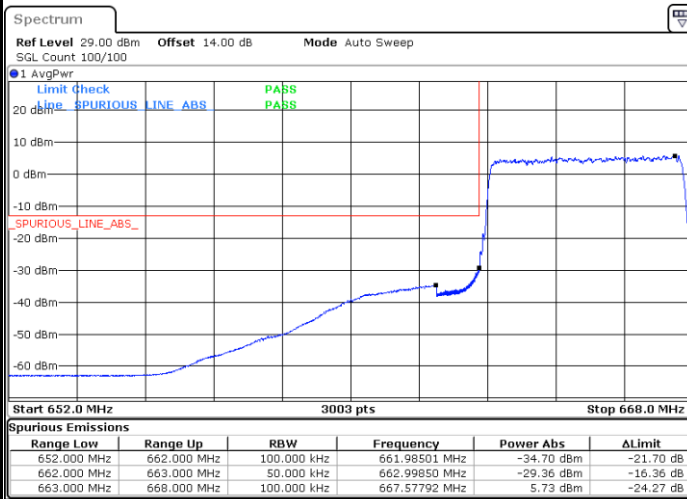
Date: 8.NOV.2022 09:11:59

Highest Band Edge / 1 RB



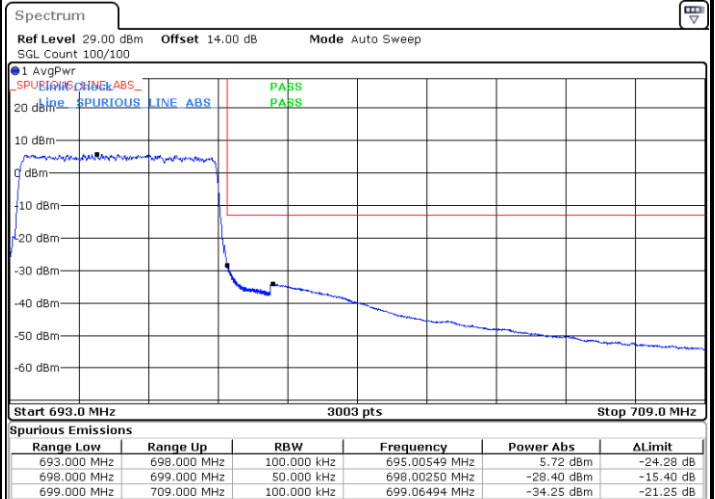
Date: 8.NOV.2022 09:17:33

Lowest Band Edge / Full RB



Date: 8.NOV.2022 09:13:02

Highest Band Edge / Full RB

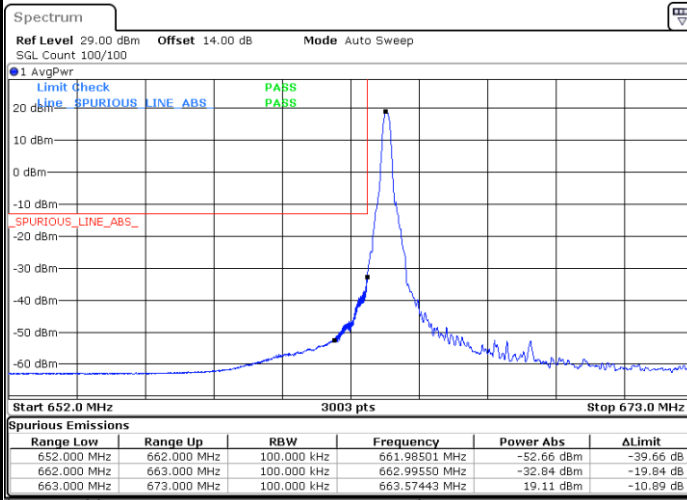


Date: 8.NOV.2022 09:18:36



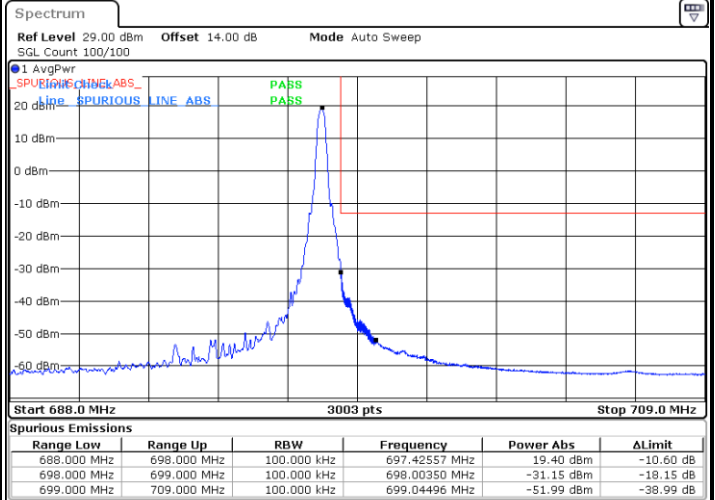
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



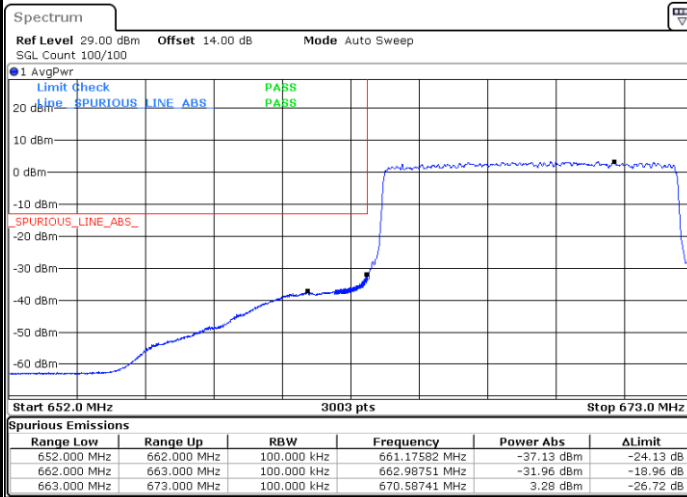
Date: 8.NOV.2022 09:22:21

Highest Band Edge / 1 RB



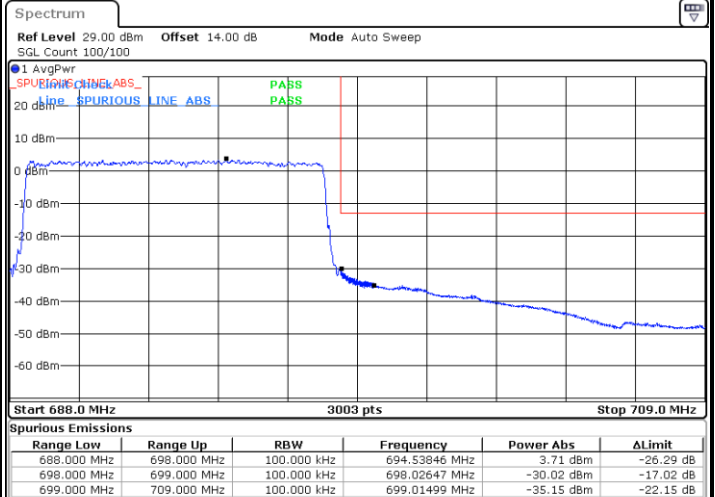
Date: 8.NOV.2022 09:33:55

Lowest Band Edge / Full RB



Date: 8.NOV.2022 09:24:26

Highest Band Edge / Full RB

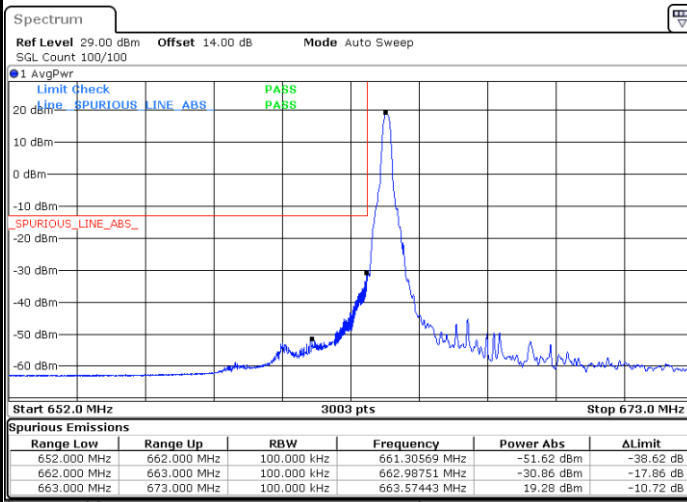


Date: 8.NOV.2022 09:36:00



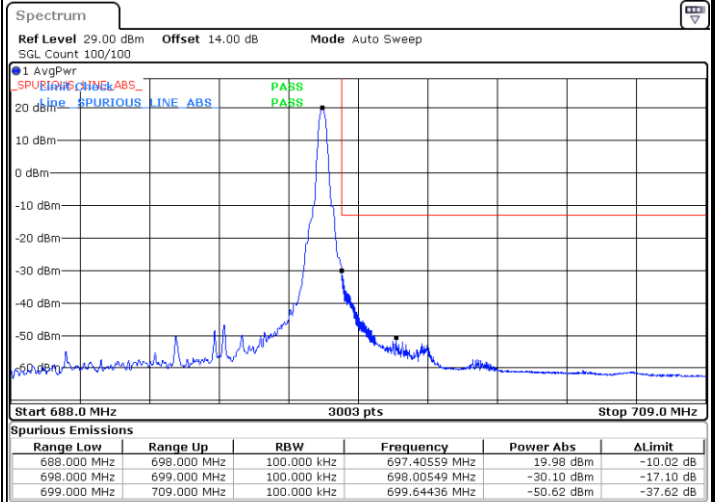
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



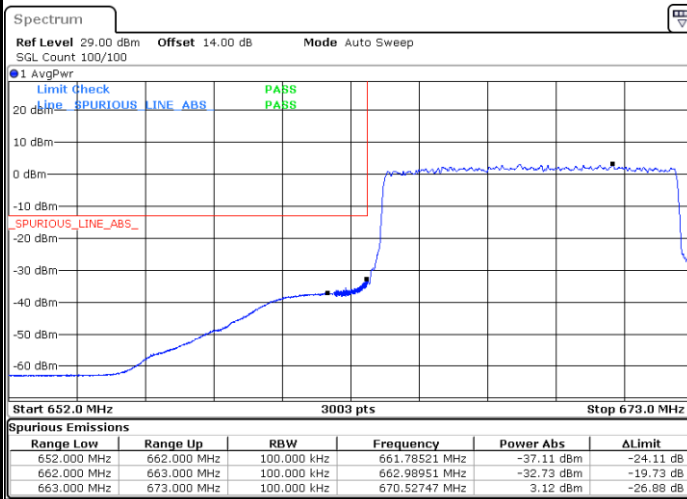
Date: 8.NOV.2022 09:23:23

Highest Band Edge / 1 RB



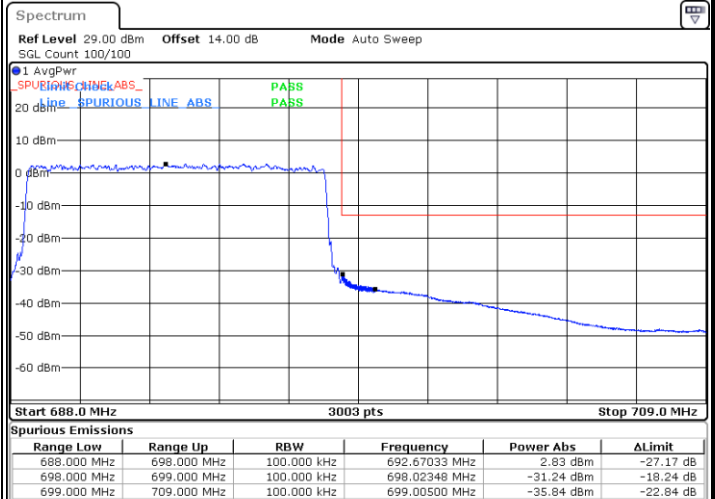
Date: 8.NOV.2022 09:34:57

Lowest Band Edge / Full RB



Date: 8.NOV.2022 09:25:28

Highest Band Edge / Full RB

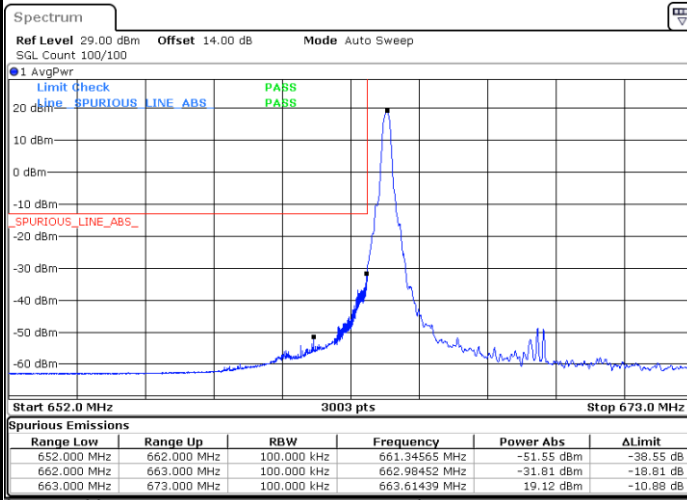


Date: 8.NOV.2022 09:37:03



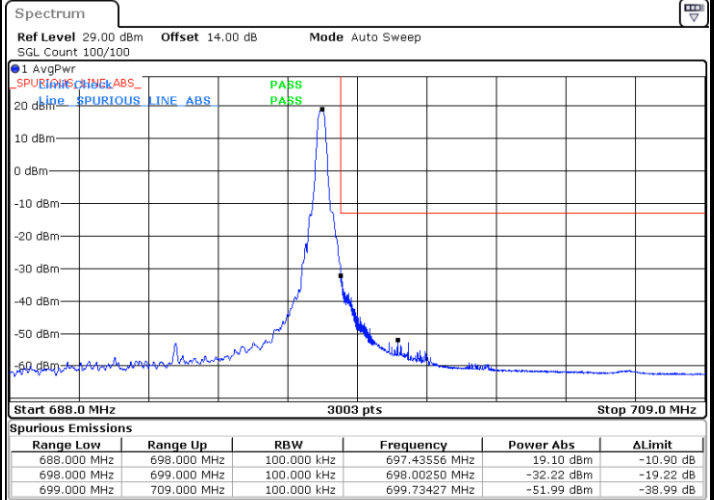
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



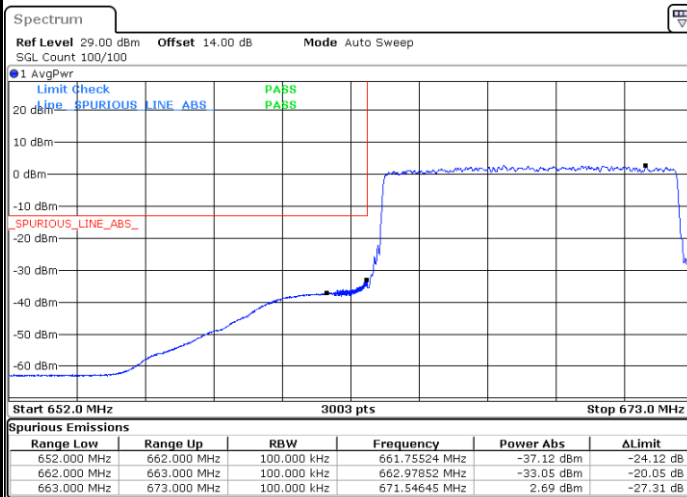
Date: 8.NOV.2022 09:40:37

Highest Band Edge / 1 RB



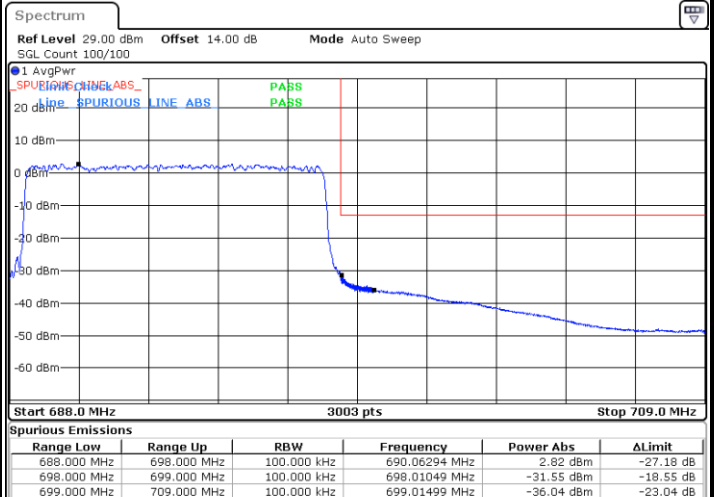
Date: 8.NOV.2022 09:45:51

Lowest Band Edge / Full RB



Date: 8.NOV.2022 09:41:40

Highest Band Edge / Full RB

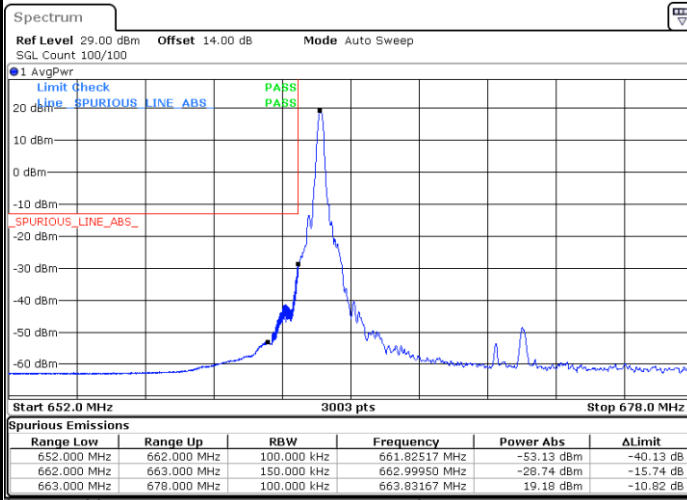


Date: 8.NOV.2022 09:46:54



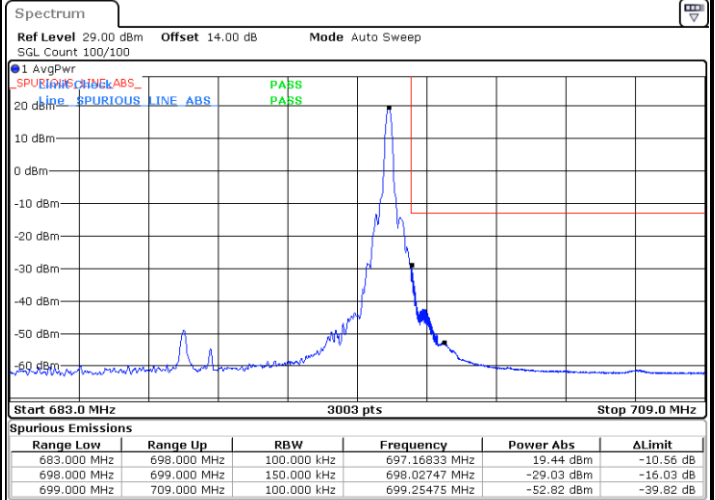
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



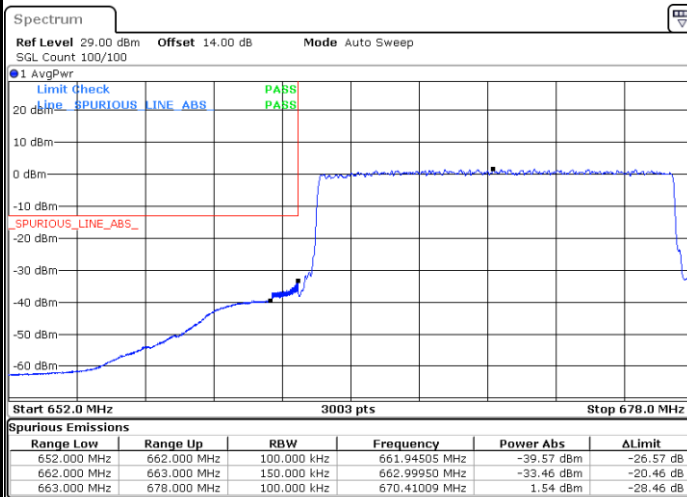
Date: 8.NOV.2022 09:50:29

Highest Band Edge / 1 RB



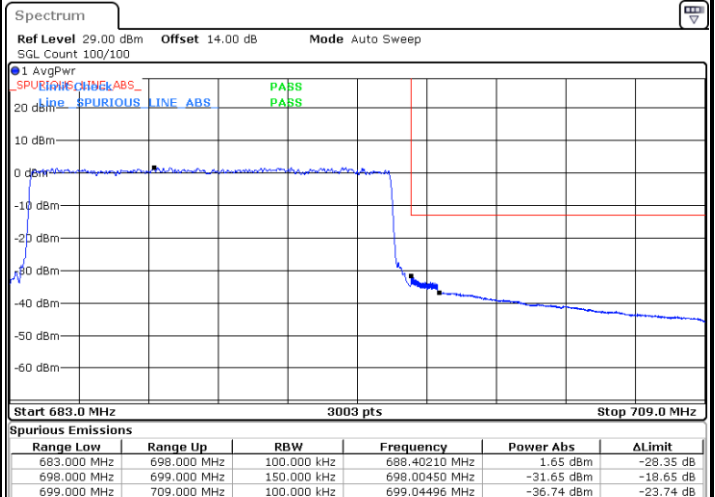
Date: 8.NOV.2022 10:01:34

Lowest Band Edge / Full RB



Date: 8.NOV.2022 09:52:35

Highest Band Edge / Full RB

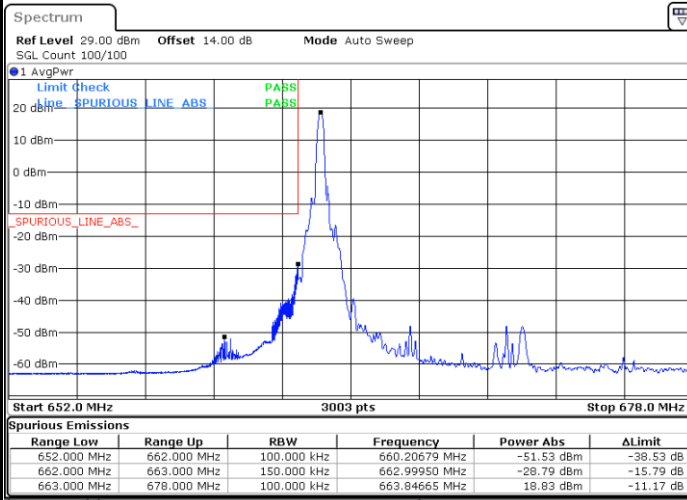


Date: 8.NOV.2022 10:03:40



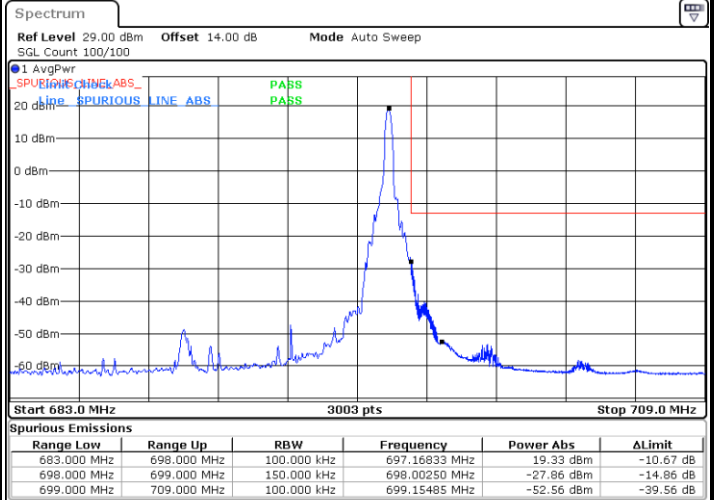
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



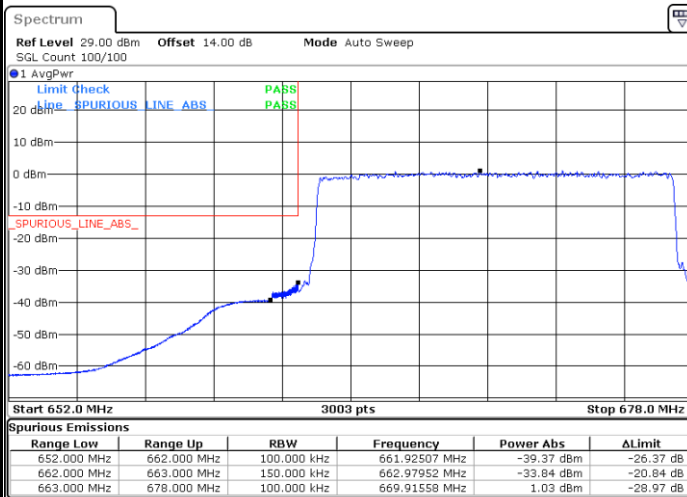
Date: 8.NOV.2022 09:51:32

Highest Band Edge / 1 RB



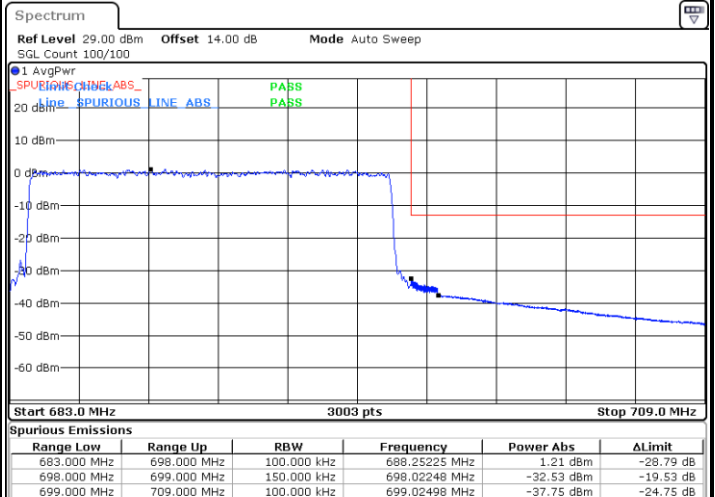
Date: 8.NOV.2022 10:02:37

Lowest Band Edge / Full RB



Date: 8.NOV.2022 09:53:38

Highest Band Edge / Full RB

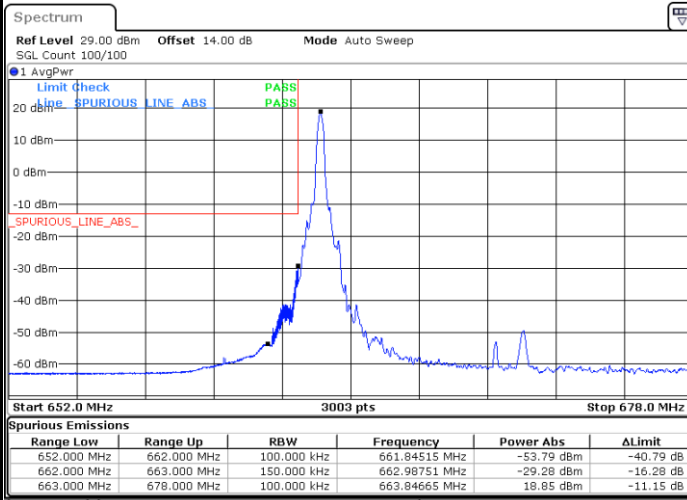


Date: 8.NOV.2022 10:04:43



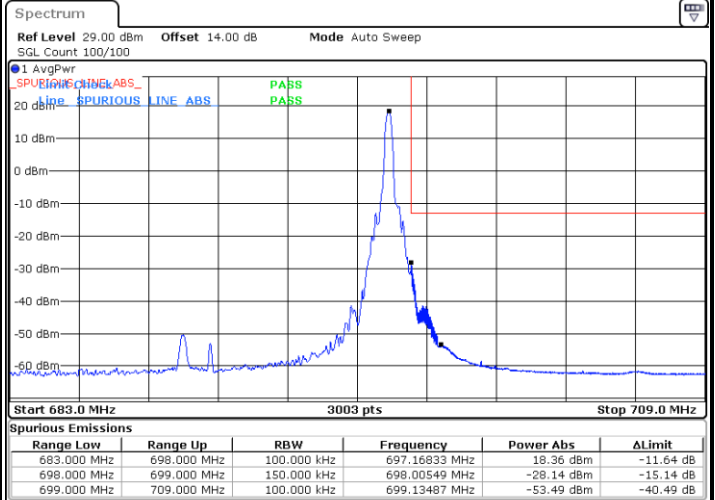
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



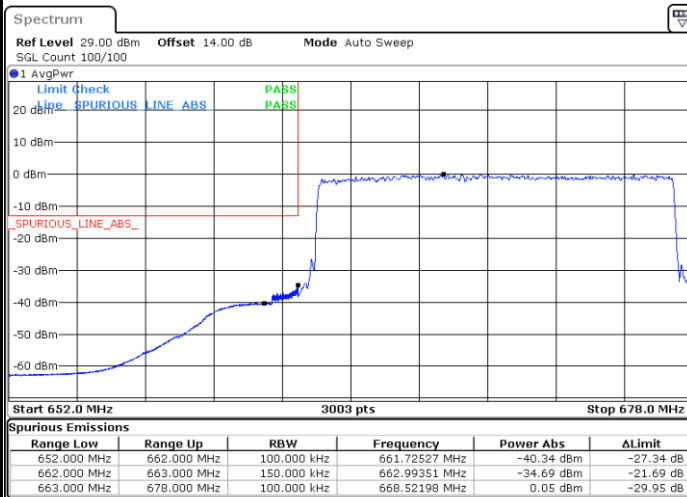
Date: 8.NOV.2022 10:47:57

Highest Band Edge / 1 RB



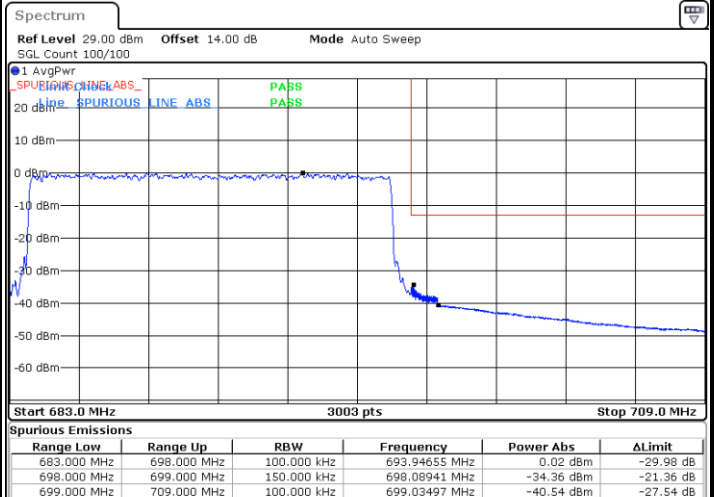
Date: 8.NOV.2022 10:53:11

Lowest Band Edge / Full RB



Date: 8.NOV.2022 10:48:59

Highest Band Edge / Full RB

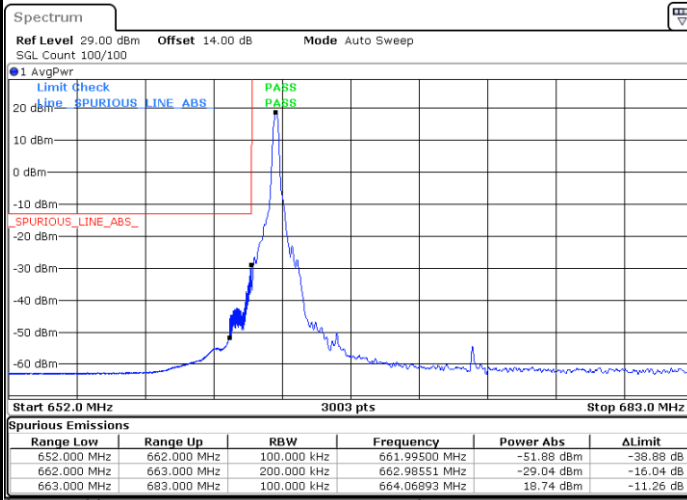


Date: 8.NOV.2022 10:54:14



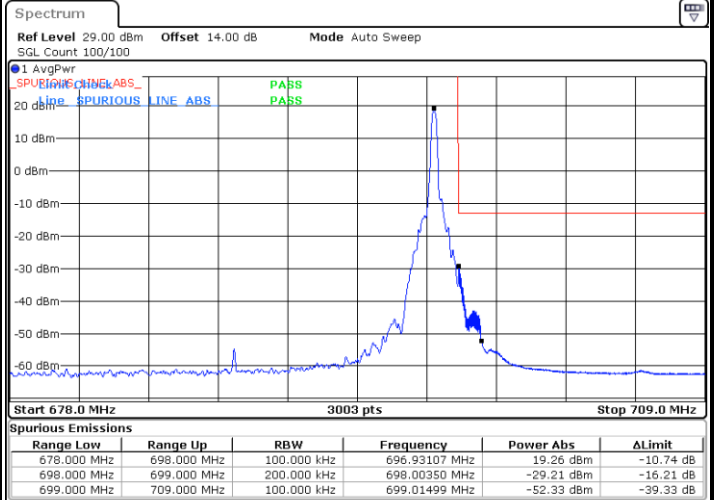
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



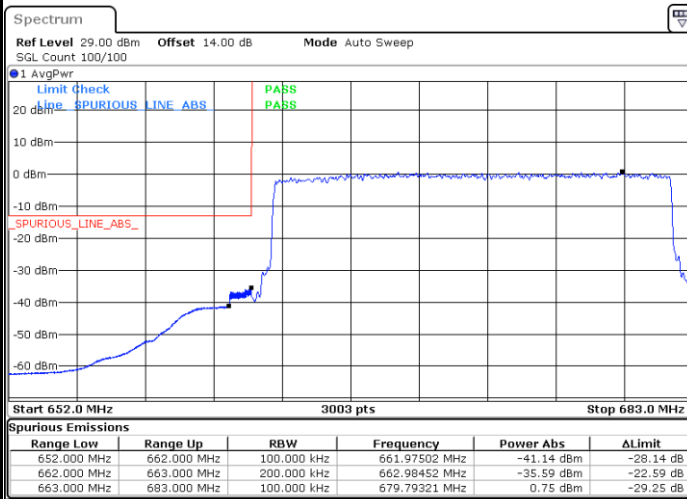
Date: 8.NOV.2022 10:13:38

Highest Band Edge / 1 RB



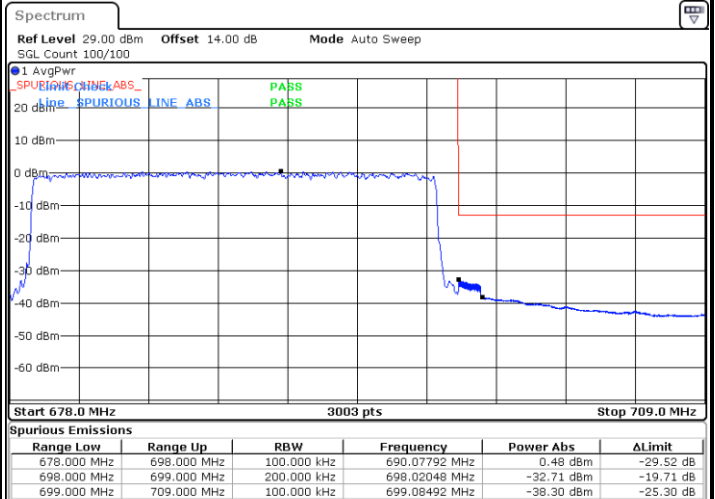
Date: 8.NOV.2022 10:24:44

Lowest Band Edge / Full RB



Date: 8.NOV.2022 10:15:44

Highest Band Edge / Full RB

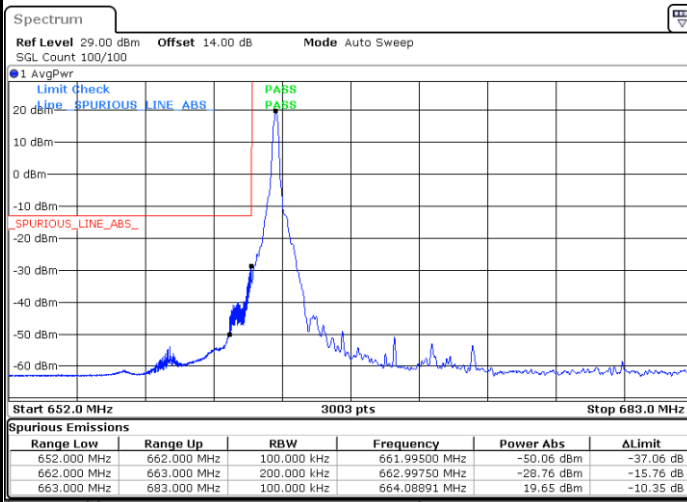


Date: 8.NOV.2022 10:27:52



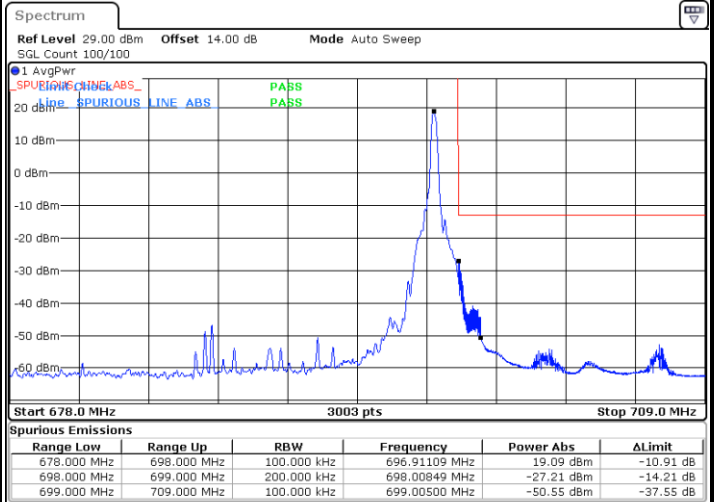
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



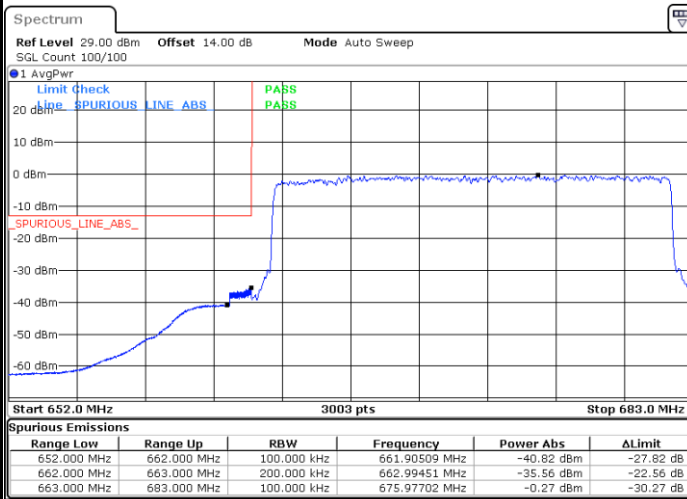
Date: 8.NOV.2022 10:14:41

Highest Band Edge / 1RB



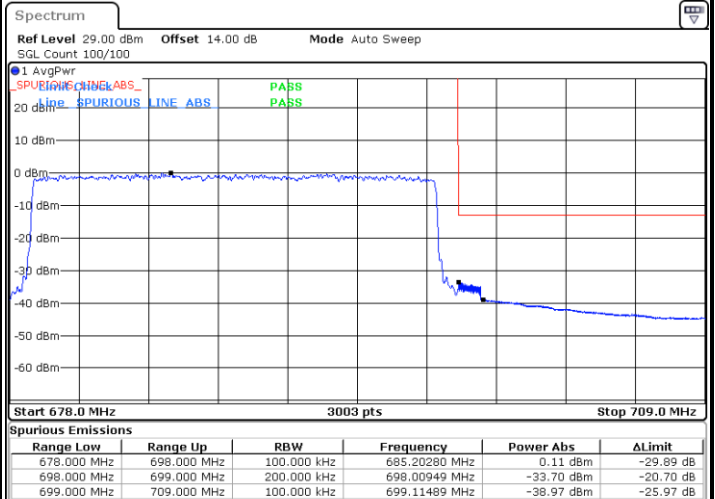
Date: 8.NOV.2022 10:25:46

Lowest Band Edge / Full RB



Date: 8.NOV.2022 10:16:46

Highest Band Edge / Full RB

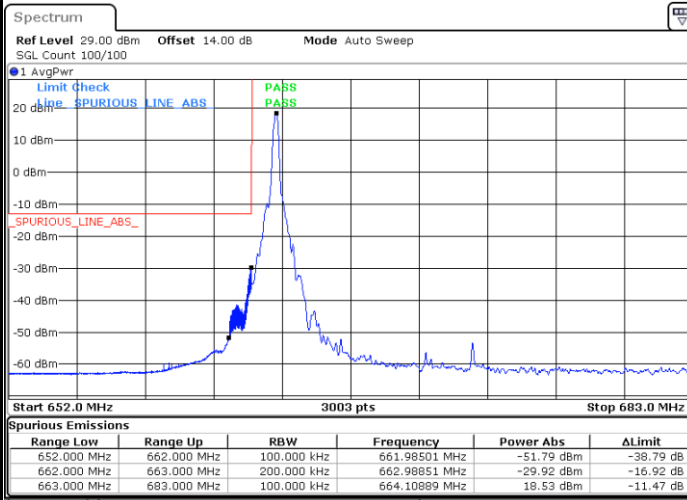


Date: 8.NOV.2022 10:26:49



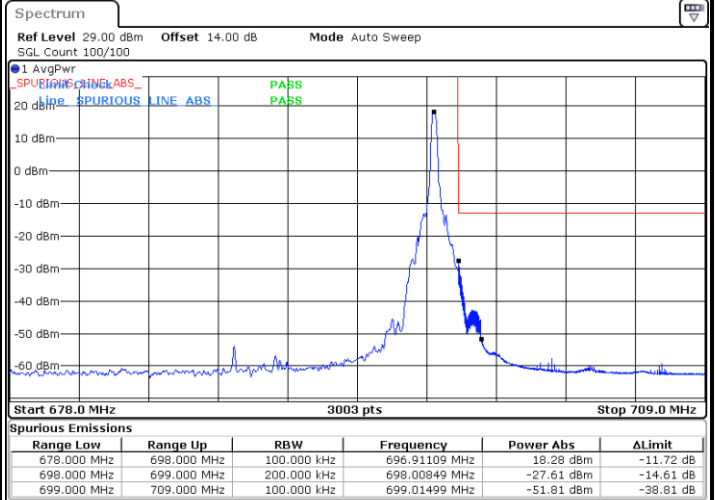
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



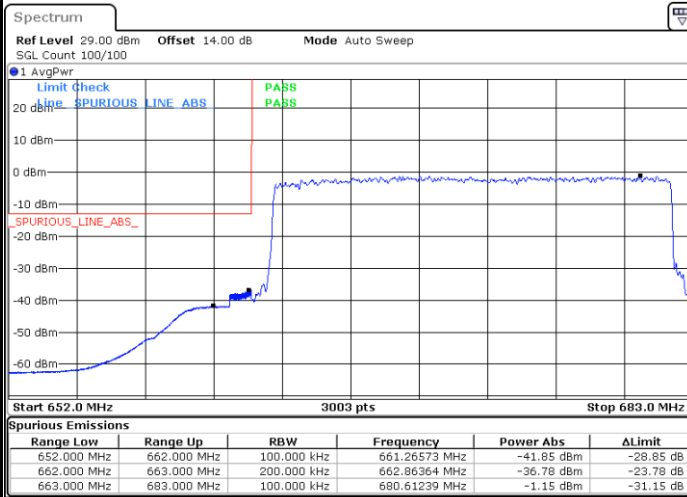
Date: 8.NOV.2022 10:31:26

Highest Band Edge / 1 RB



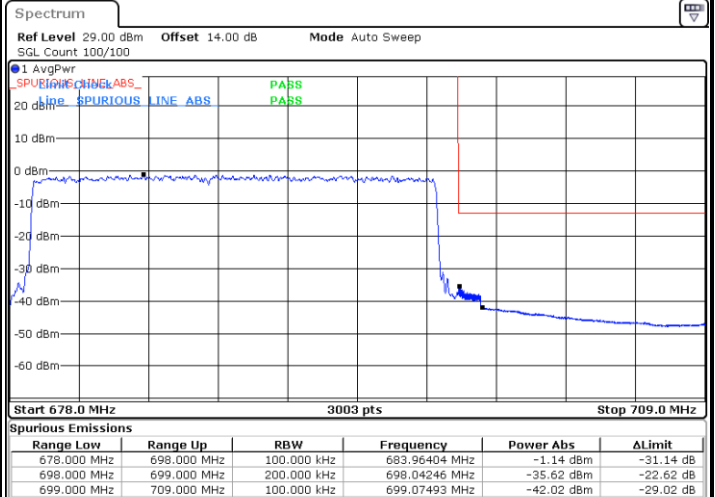
Date: 8.NOV.2022 10:36:40

Lowest Band Edge / Full RB



Date: 8.NOV.2022 10:32:29

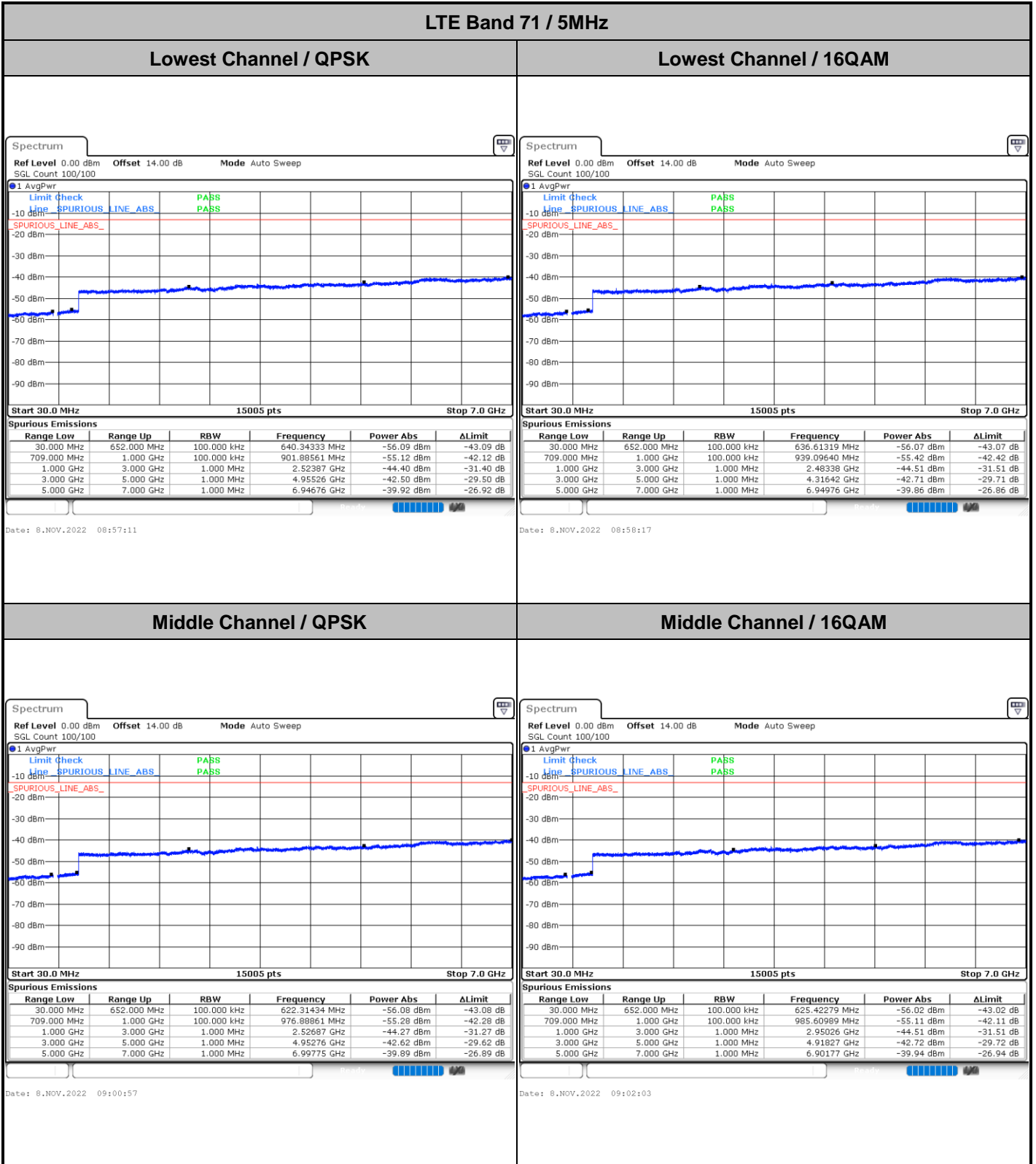
Highest Band Edge / Full RB



Date: 8.NOV.2022 10:37:43



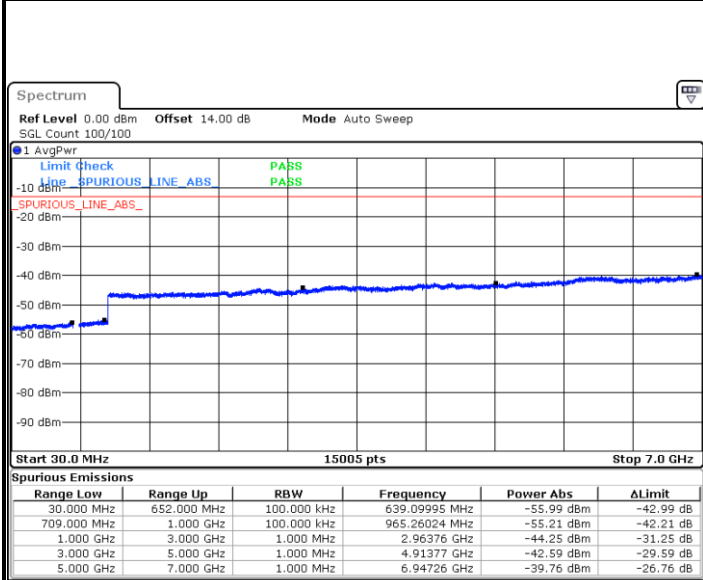
Conducted Spurious Emission





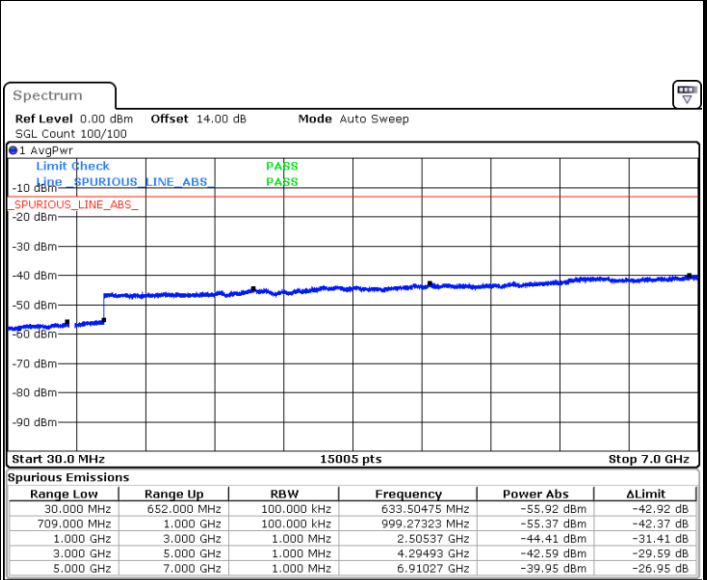
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 8.NOV.2022 09:09:11

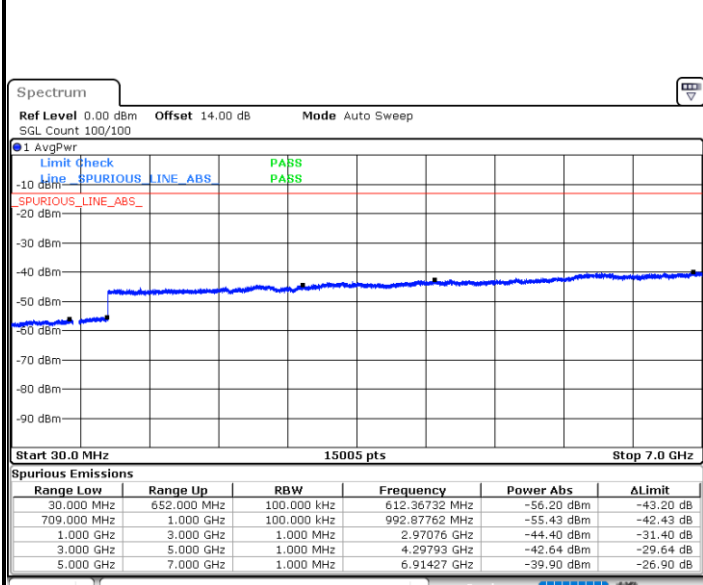
Highest Channel / 16QAM



Date: 8.NOV.2022 09:10:17

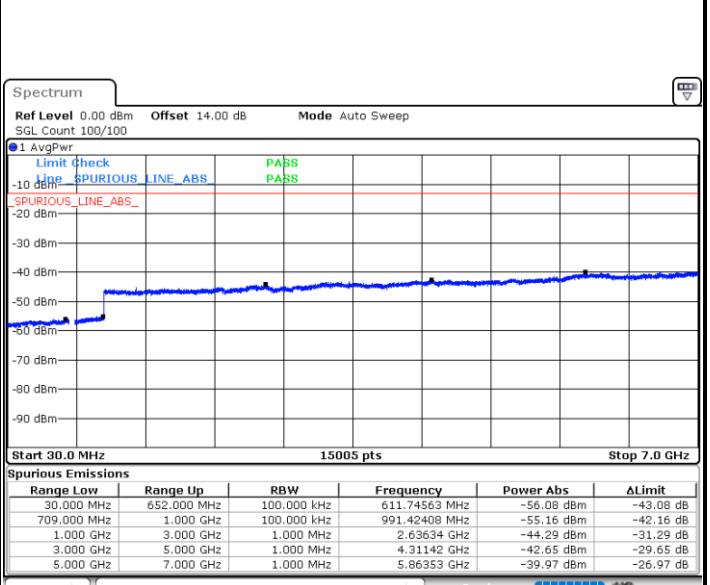
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 8.NOV.2022 09:26:34

Lowest Channel / 16QAM



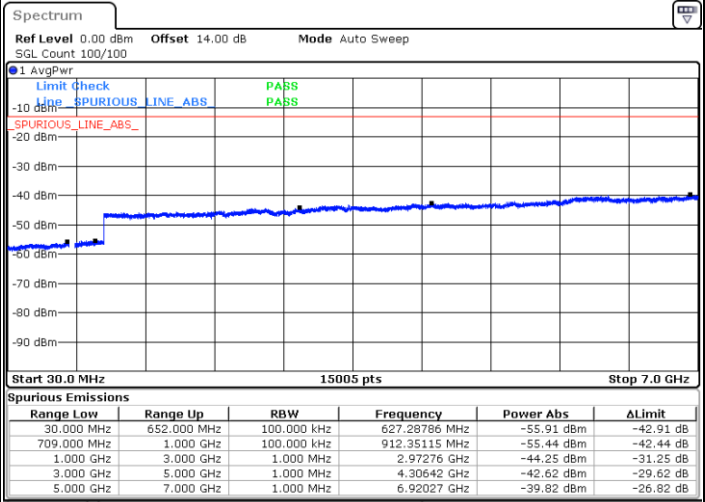
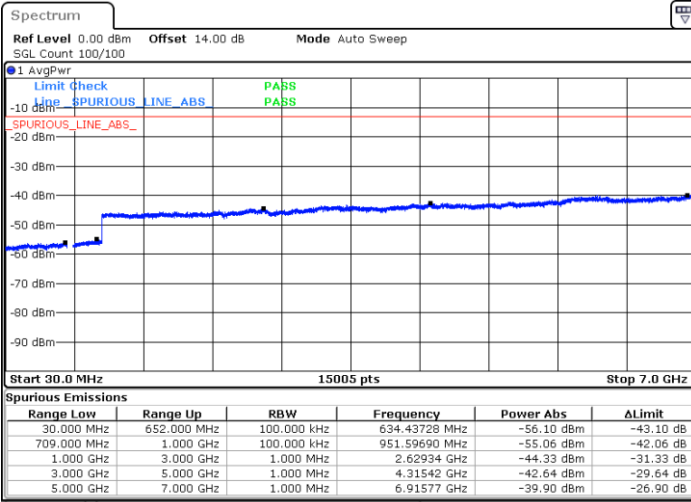
Date: 8.NOV.2022 09:27:41



LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

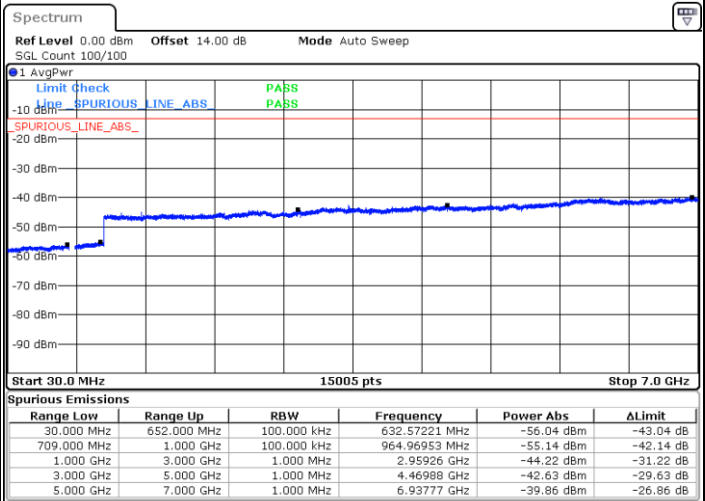
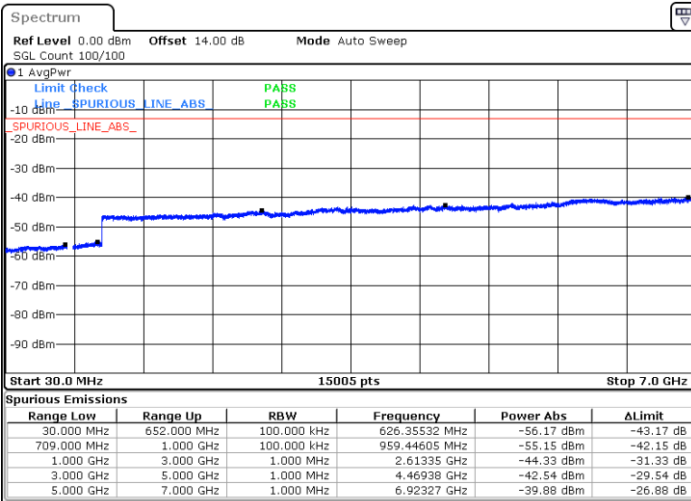


Date: 8.NOV.2022 09:30:20

Date: 8.NOV.2022 09:31:16

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8.NOV.2022 09:37:59

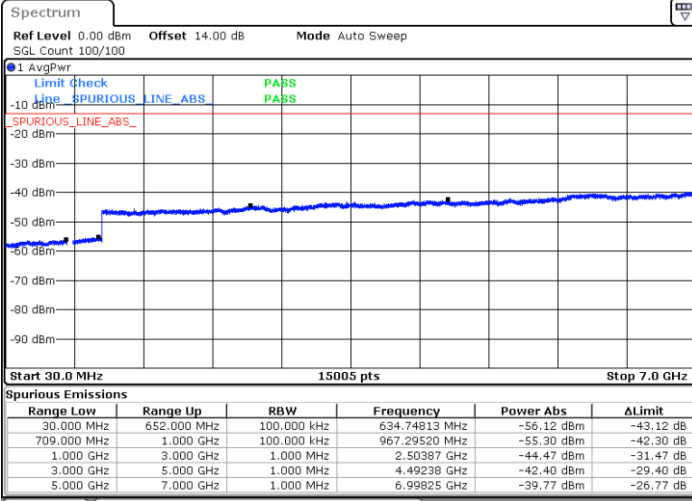
Date: 8.NOV.2022 09:38:56



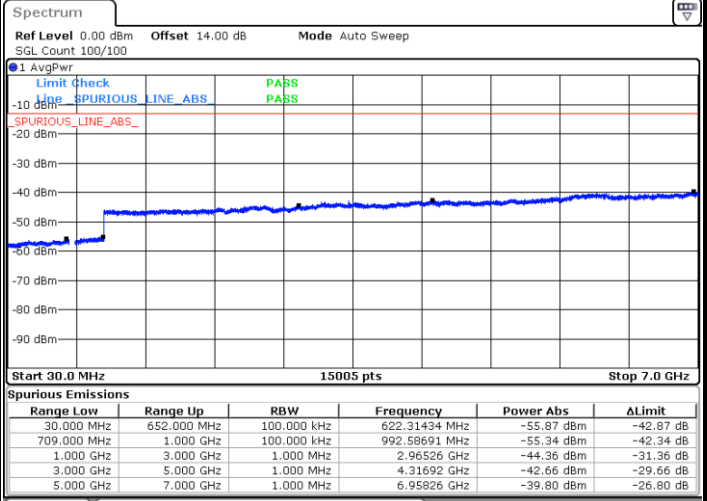
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



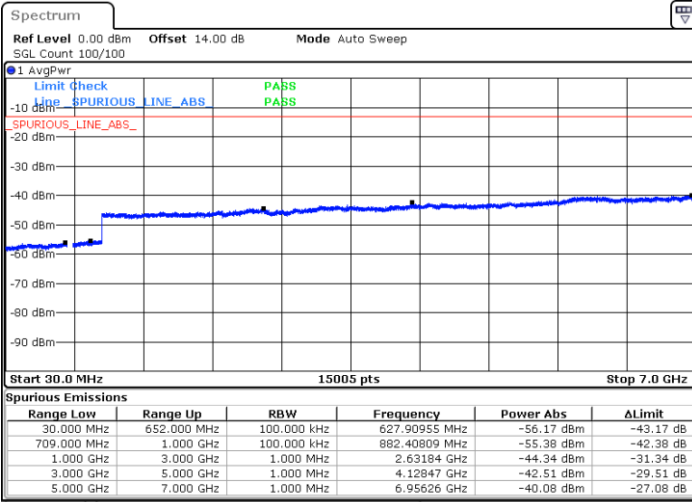
Date: 8.NOV.2022 09:54:34



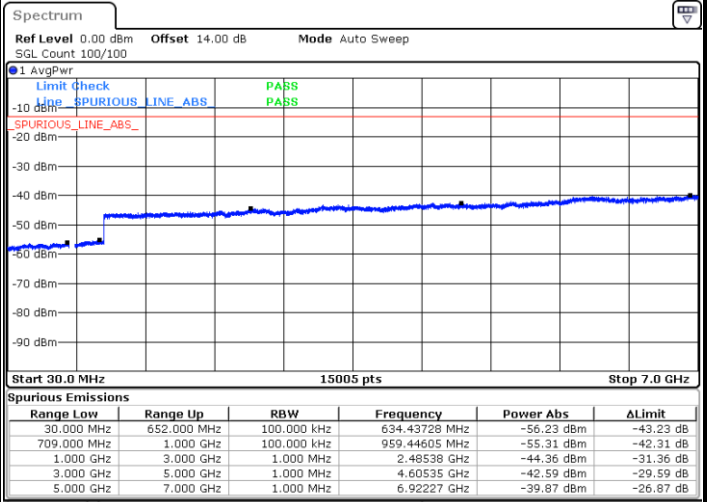
Date: 8.NOV.2022 09:55:30

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 8.NOV.2022 09:58:00

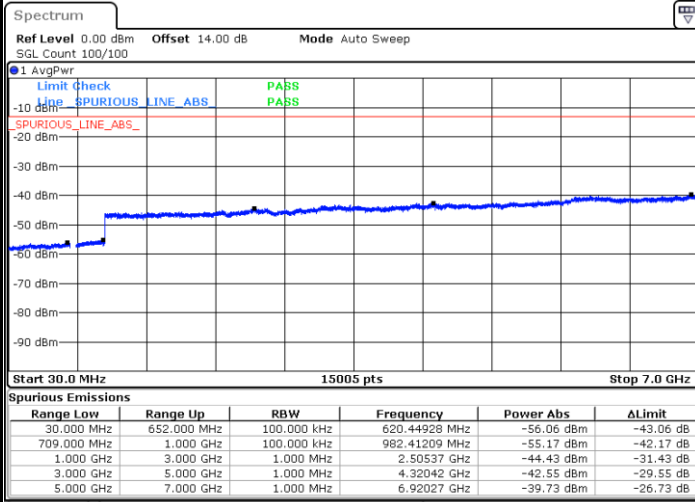


Date: 8.NOV.2022 09:58:56



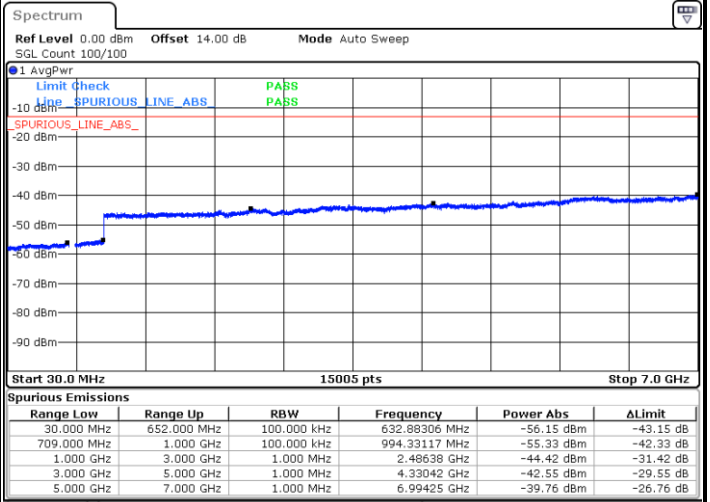
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 8.NOV.2022 10:05:39

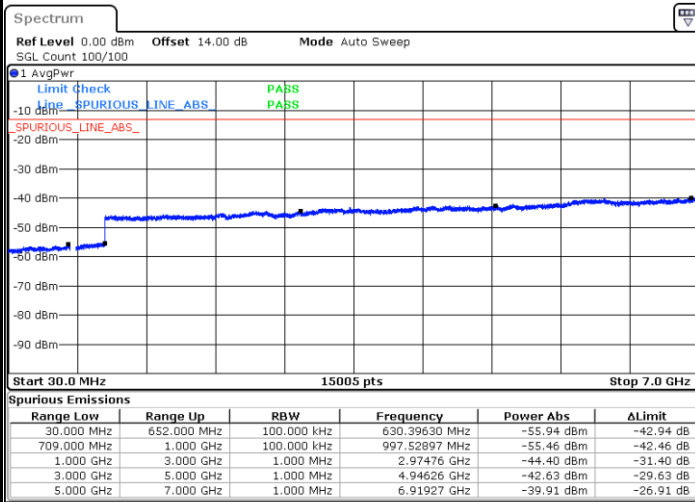
Highest Channel / 16QAM



Date: 8.NOV.2022 10:06:35

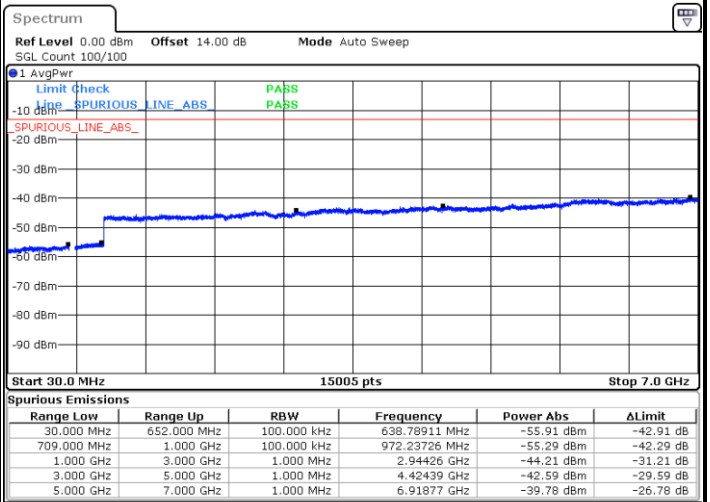
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 8.NOV.2022 10:17:43

Lowest Channel / 16QAM



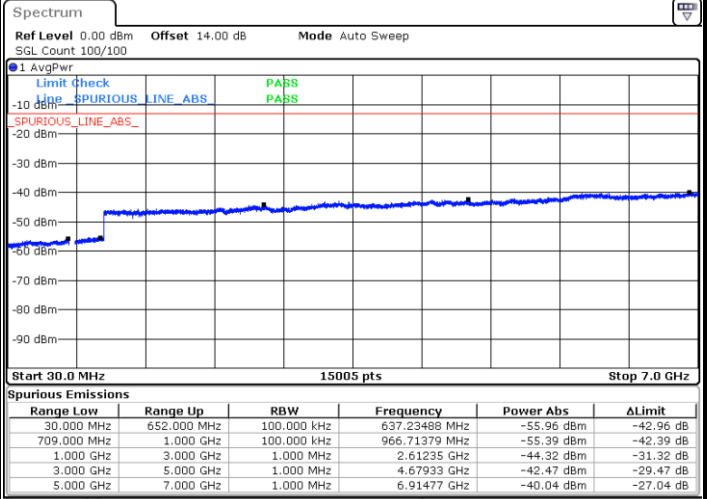
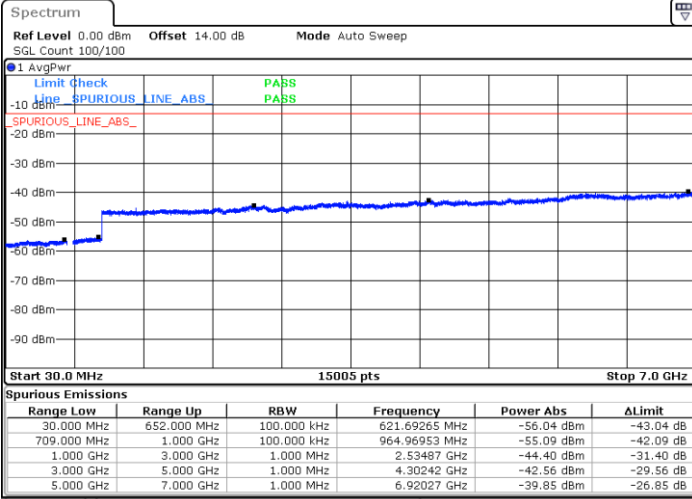
Date: 8.NOV.2022 10:18:39



LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

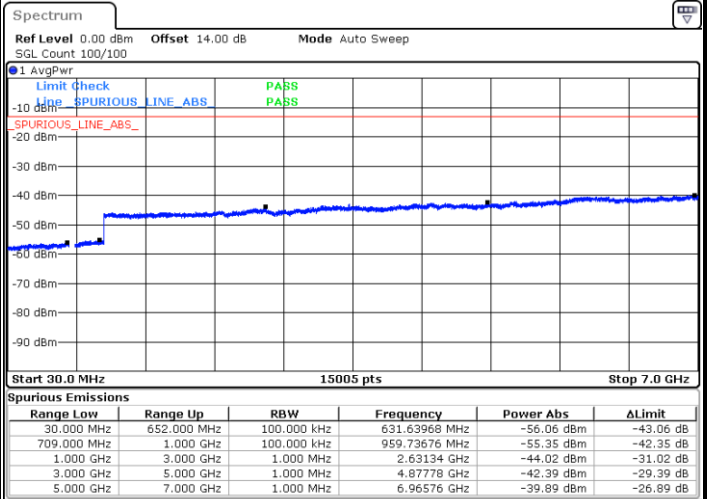
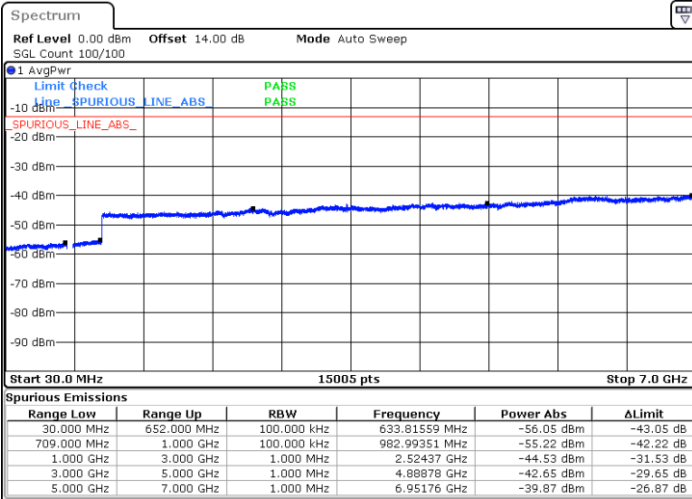


Date: 8.NOV.2022 10:21:09

Date: 8.NOV.2022 10:22:05

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8.NOV.2022 10:28:48

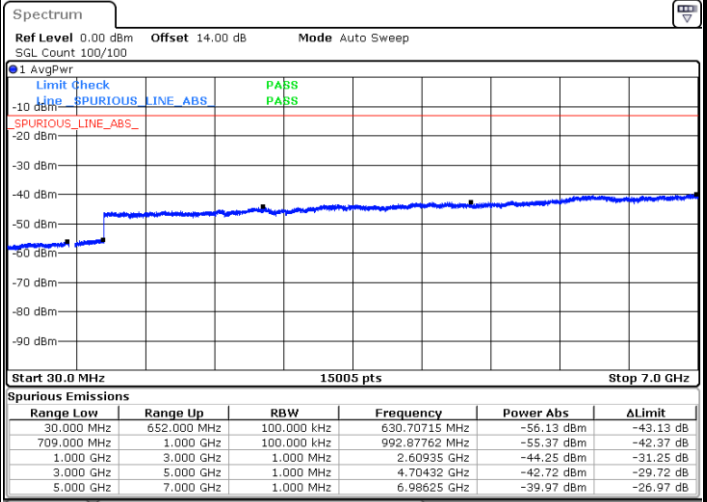
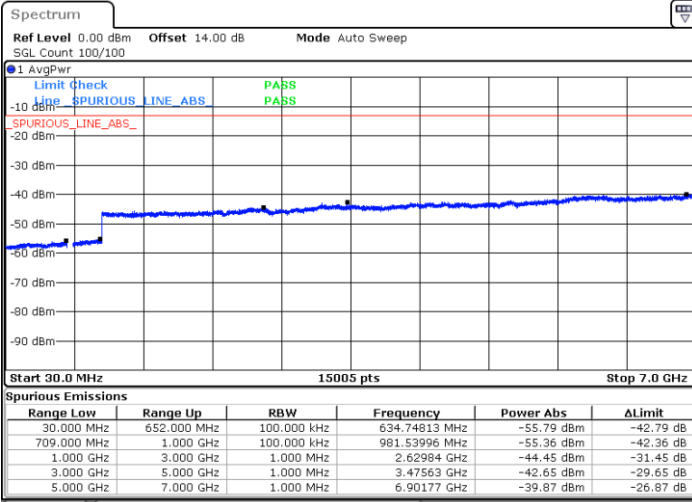
Date: 8.NOV.2022 10:29:44



LTE Band 71 / 5MHz

Lowest Channel / 64QAM

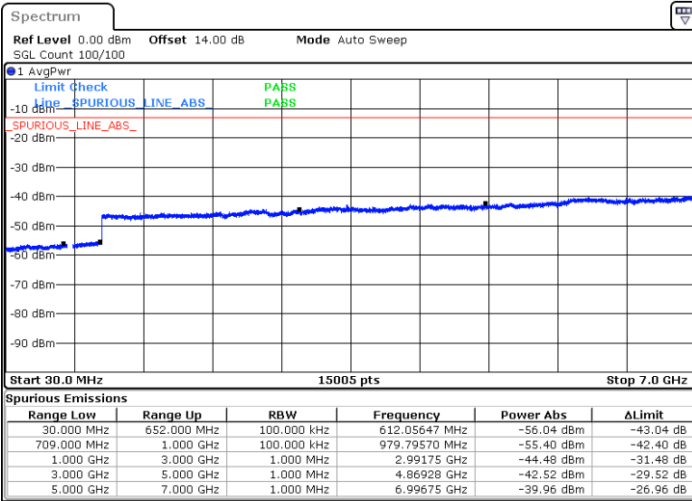
Middle Channel / 64QAM



Date: 8.NOV.2022 09:14:08

Date: 8.NOV.2022 09:15:52

Highest Channel / 64QAM



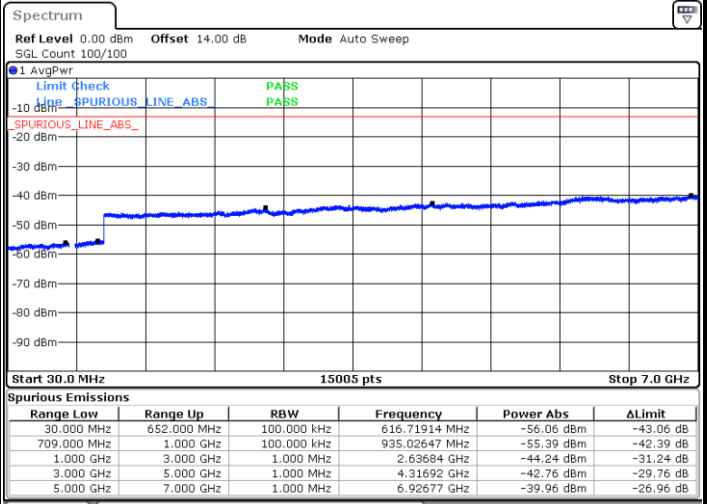
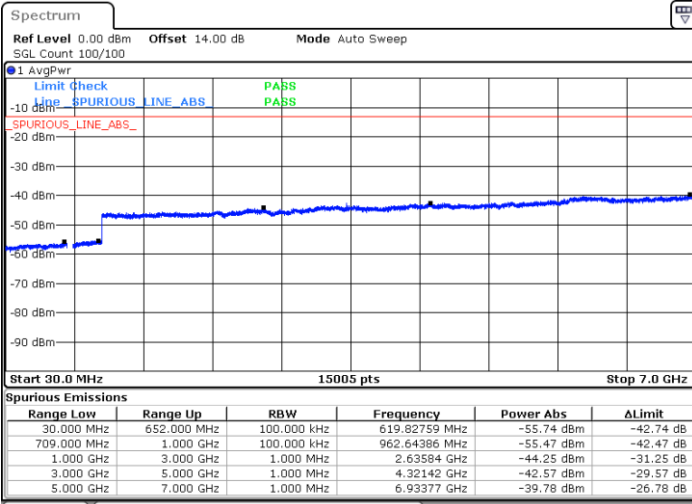
Date: 8.NOV.2022 09:19:42



LTE Band 71 / 10MHz

Lowest Channel / 64QAM

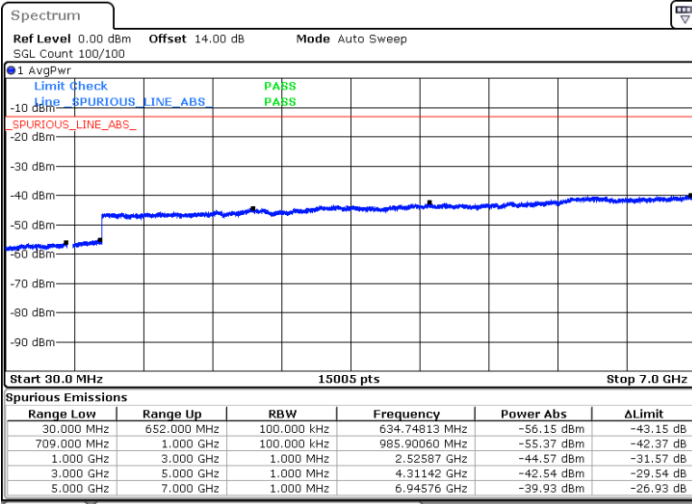
Middle Channel / 64QAM



Date: 8.NOV.2022 09:42:36

Date: 8.NOV.2022 09:44:10

Highest Channel / 64QAM



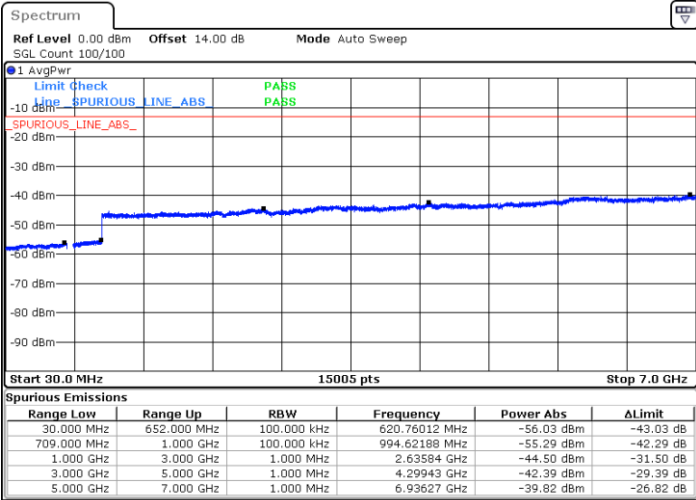
Date: 8.NOV.2022 09:47:50



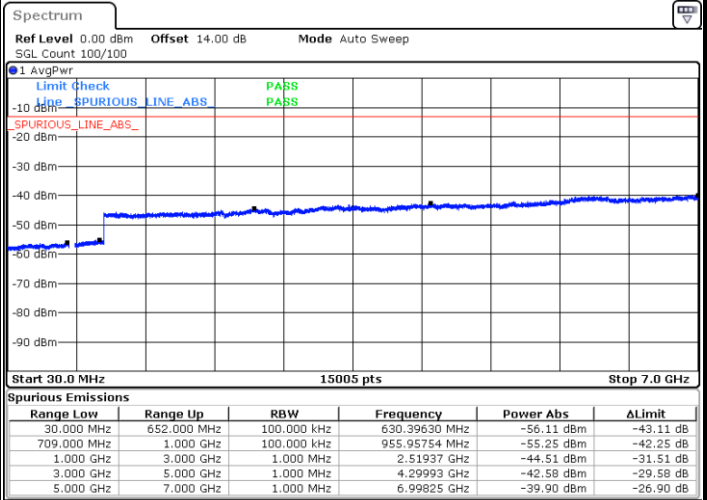
LTE Band 71 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

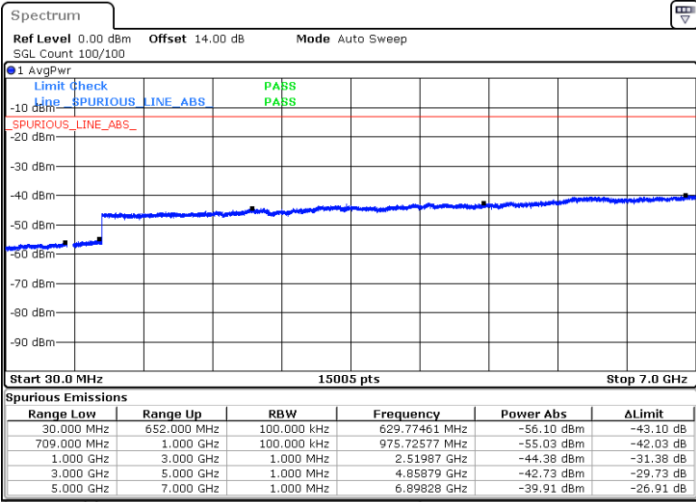


Date: 8.NOV.2022 10:49:56



Date: 8.NOV.2022 10:51:30

Highest Channel / 64QAM



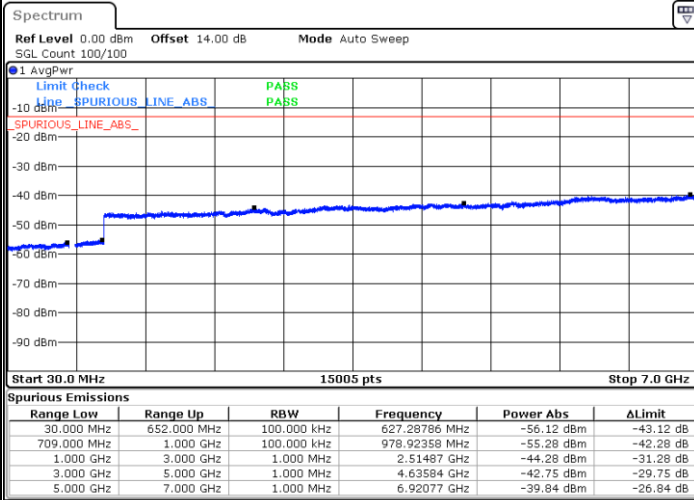
Date: 8.NOV.2022 10:55:11



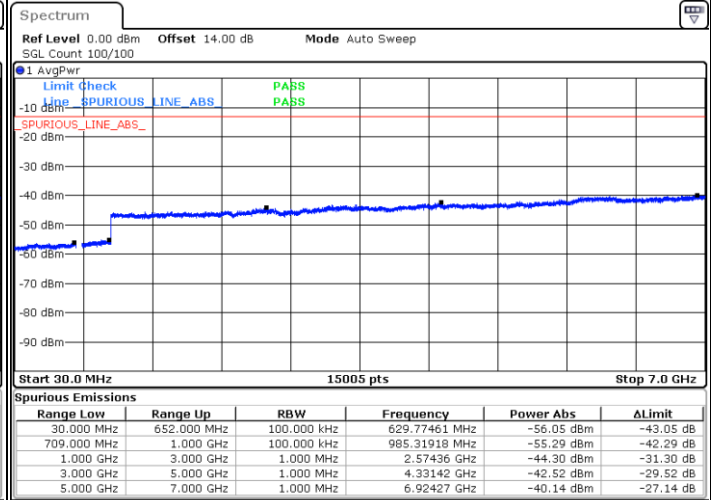
LTE Band 71 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

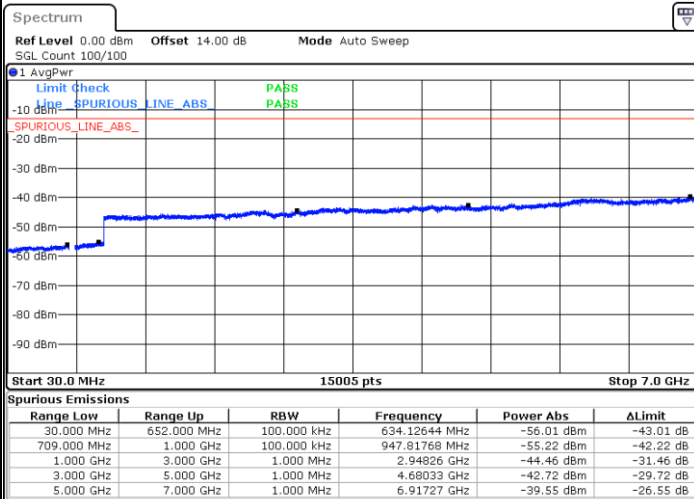


Date: 8.NOV.2022 10:33:25



Date: 8.NOV.2022 10:34:59

Highest Channel / 64QAM



Date: 8.NOV.2022 10:38:39



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0204	
0	Normal Voltage	0.0210	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0200	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 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 :	Reid Huang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 7 / 20MHz / QPSK / Ant.2									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-60.10	-25	-35.10	-77.52	-65.66	7.14	12.70	H
	7578.27	-56.02	-25	-31.02	-78.18	-59.32	8.30	11.60	H
	10104.36	-53.39	-25	-28.39	-80.28	-54.91	10.48	12.00	H
	5052.18	-60.25	-25	-35.25	-77.6	-65.81	7.14	12.70	V
	7578.27	-55.63	-25	-30.63	-77.59	-58.93	8.30	11.60	V
	10104.36	-53.96	-25	-28.96	-80.36	-55.48	10.48	12.00	V

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

LTE Band 12 / 10MHz / QPSK / Ant.0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-64.33	-13	-51.33	-72.29	-67.58	4.00	9.40	H
	2109	-63.50	-13	-50.50	-73.16	-67.07	4.88	10.60	H
	2812	-63.13	-13	-50.13	-74.99	-68.06	5.52	12.60	H
	1406	-64.15	-13	-51.15	-72.19	-67.40	4.00	9.40	V
	2109	-63.69	-13	-50.69	-73.72	-67.26	4.88	10.60	V
	2812	-62.80	-13	-49.80	-74.90	-67.73	5.52	12.60	V

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

LTE Band 13 / 5MHz / QPSK / Ant.1									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-64.42	-42.15	-22.27	-71.05	-67.67	4.00	9.40	H
	2339.25	-48.81	-13	-35.81	-59.50	-52.38	4.88	10.60	H
	3119	-63.11	-13	-50.11	-75.80	-68.04	5.52	12.60	H
	3898.75	-62.21	-13	-49.21	-77.06	-66.68	6.00	12.62	H
	1559.5	-60.17	-42.15	-18.02	-67.01	-63.42	4.00	9.40	V
	2339.25	-37.82	-13	-24.82	-48.90	-41.39	4.88	10.60	V
	3119	-62.34	-13	-49.34	-75.54	-67.27	5.52	12.60	V
	3898.75	-56.58	-13	-43.58	-71.43	-61.05	6.00	12.62	V

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



LTE Band 13 / 10MHz / QPSK / Ant.1									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-66.79	-42.15	-24.64	-73.42	-70.04	4.00	9.40	H
	2339.25	-57.86	-13	-44.86	-68.55	-61.43	4.88	10.60	H
	3119	-63.20	-13	-50.20	-75.89	-68.13	5.52	12.60	H
	1559.5	-63.34	-42.15	-21.19	-70.18	-66.59	4.00	9.40	V
	2339.25	-51.17	-13	-38.17	-62.25	-54.74	4.88	10.60	V
	3119	-62.52	-13	-49.52	-75.72	-67.45	5.52	12.60	V

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

LTE Band 71 / 20MHz / QPSK / Ant.0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1343	-60.33	-13	-47.33	-67.22	-63.58	4.00	9.40	H
	2014.5	-45.60	-13	-32.60	-53.59	-49.17	4.88	10.60	H
	2686	-63.31	-13	-50.31	-74.23	-68.24	5.52	12.60	H
	1343	-59.13	-13	-46.13	-65.97	-62.38	4.00	9.40	V
	2014.5	-45.97	-13	-32.97	-54.38	-49.54	4.88	10.60	V
	2686	-63.40	-13	-50.40	-74.62	-68.33	5.52	12.60	V

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

LTE Band41 / 20MHz / QPSK / Ant.2									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.00	-60.65	-25	-35.65	-77.92	-66.21	7.14	12.70	H
	7752.00	-46.00	-25	-21.00	-68.57	-49.30	8.30	11.60	H
	10336.00	-52.60	-25	-27.60	-79.41	-54.12	10.48	12.00	H
	5168.00	-60.37	-25	-35.37	-77.59	-65.93	7.14	12.70	V
	7752.00	-41.50	-25	-16.50	-64.04	-44.80	8.30	11.60	V
	10336.00	-52.80	-25	-27.80	-79.38	-54.32	10.48	12.00	V

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



LTE Band 7C / 20MHz + 20MHz / QPSK / Ant.2									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5070.00	-60.55	-25	-35.55	-77.93	-66.11	7.14	12.70	H
	7605.00	-55.68	-25	-30.68	-77.80	-58.98	8.30	11.60	H
	10140.00	-51.89	-25	-26.89	-78.77	-53.41	10.48	12.00	H
	5070.00	-60.62	-25	-35.62	-77.93	-66.18	7.14	12.70	V
	7605.00	-56.17	-25	-31.17	-78.07	-59.47	8.30	11.60	V
	10140.00	-52.65	-25	-27.65	-79.08	-54.17	10.48	12.00	V

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

LTE Band41C / 20MHz + 20MHz / QPSK / Ant.2									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5186.00	-61.87	-25	-36.87	-79.15	-67.43	7.14	12.70	H
	7779.00	-55.74	-25	-30.74	-78.39	-59.04	8.30	11.60	H
	10372.00	-52.93	-25	-27.93	-79.72	-54.45	10.48	12.00	H
	5186.00	-61.76	-25	-36.76	-78.99	-67.32	7.14	12.70	V
	7779.00	-55.88	-25	-30.88	-78.53	-59.18	8.30	11.60	V
	10372.00	-52.99	-25	-27.99	-79.6	-54.51	10.48	12.00	V

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