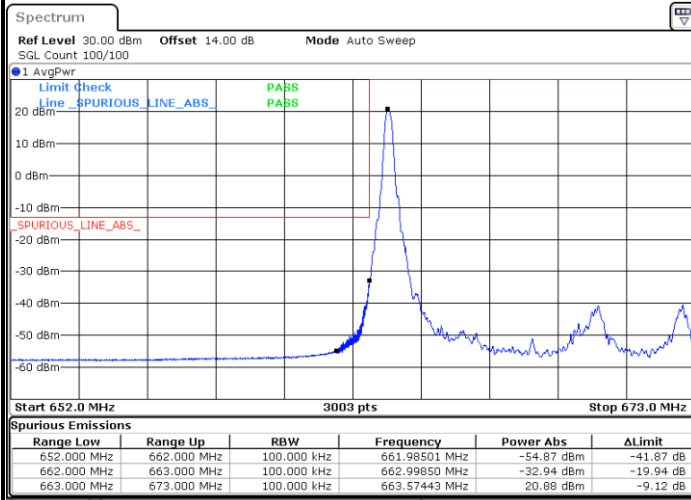


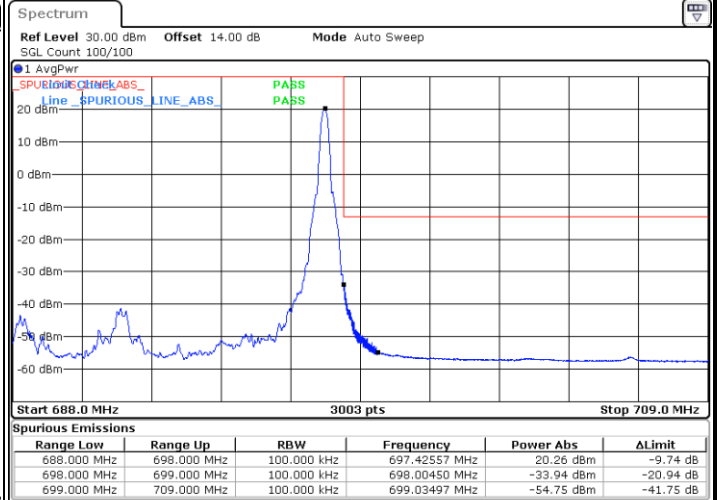


LTE Band 71 / 10MHz / QPSK

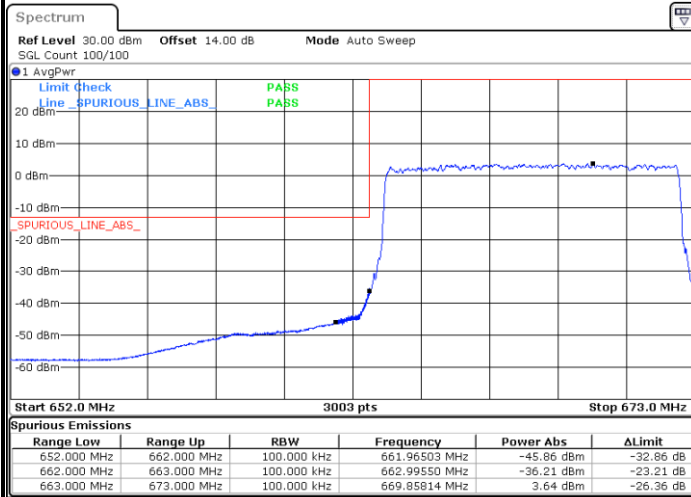
Lowest Band Edge / 1 RB



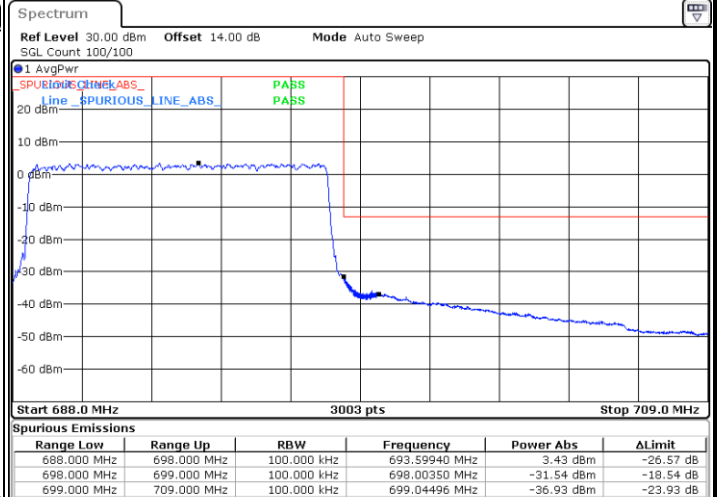
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



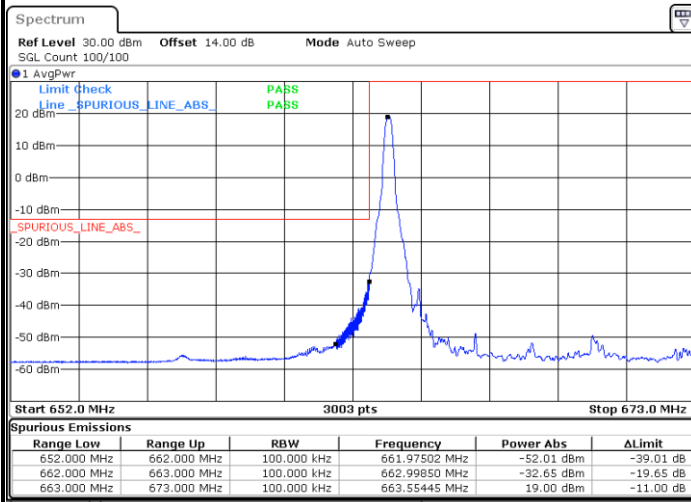
Highest Band Edge / Full RB



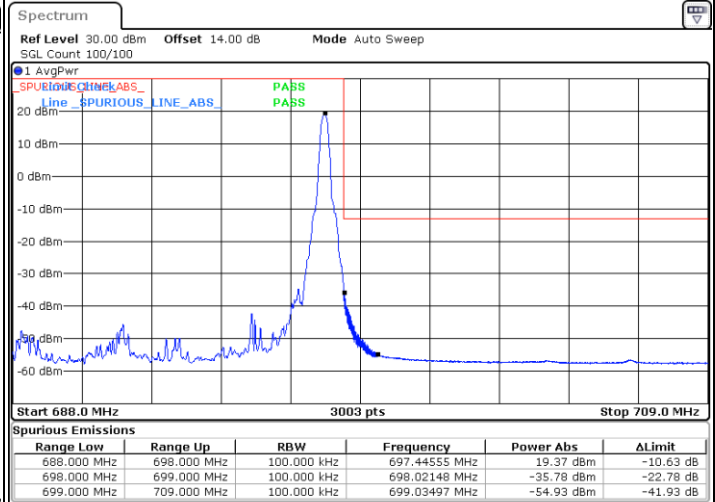


LTE Band 71 / 10MHz / 16QAM

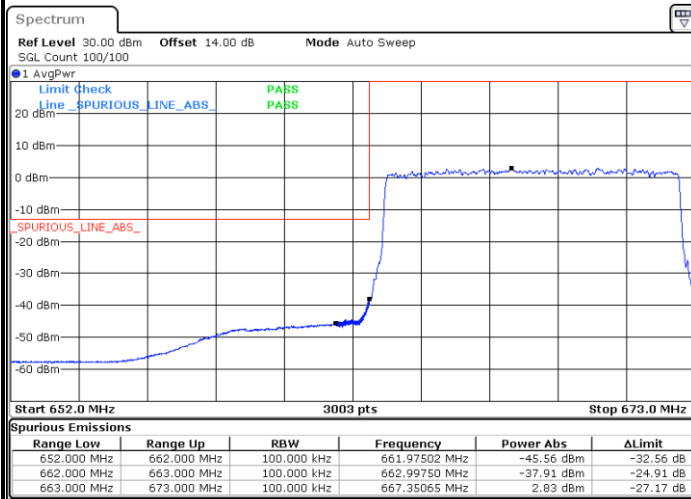
Lowest Band Edge / 1 RB



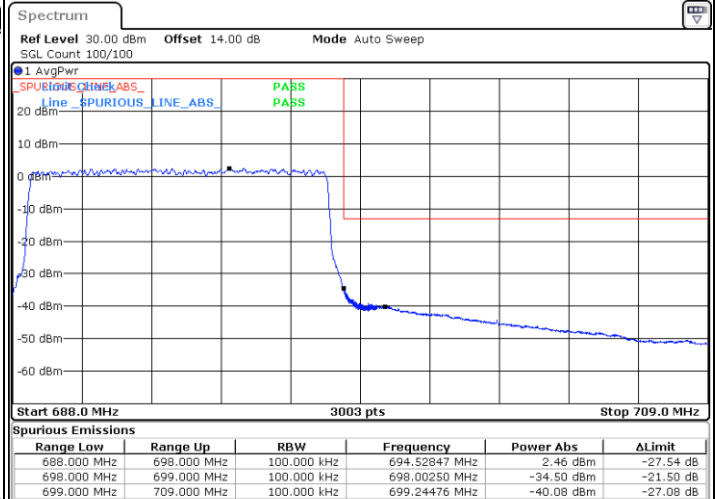
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



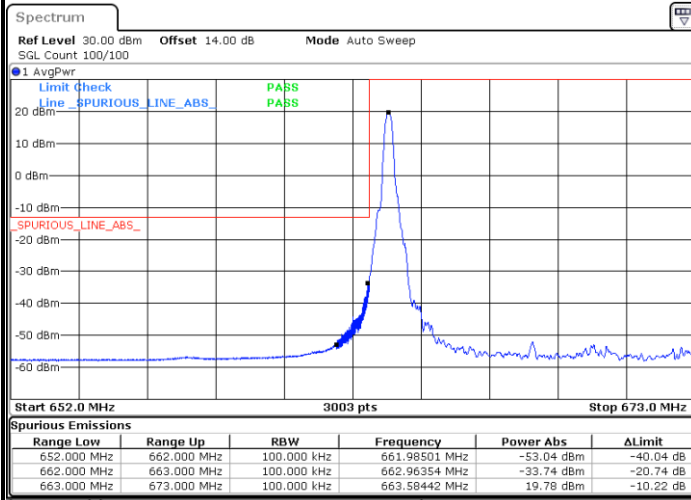
Highest Band Edge / Full RB



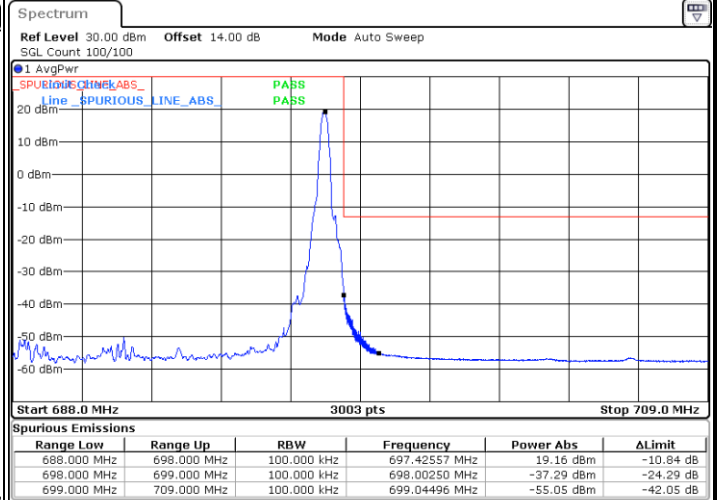


LTE Band 71 / 10MHz / 64QAM

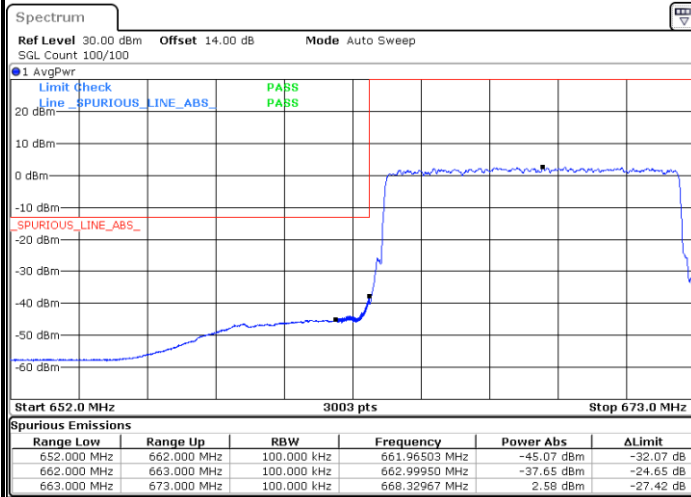
Lowest Band Edge / 1 RB



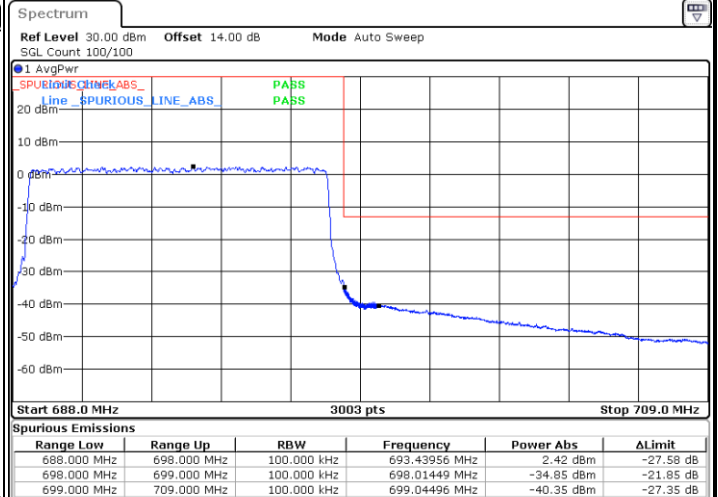
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



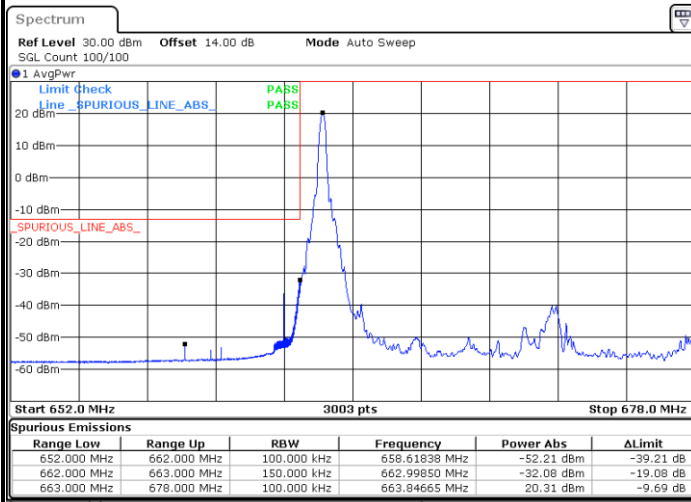
Highest Band Edge / Full RB



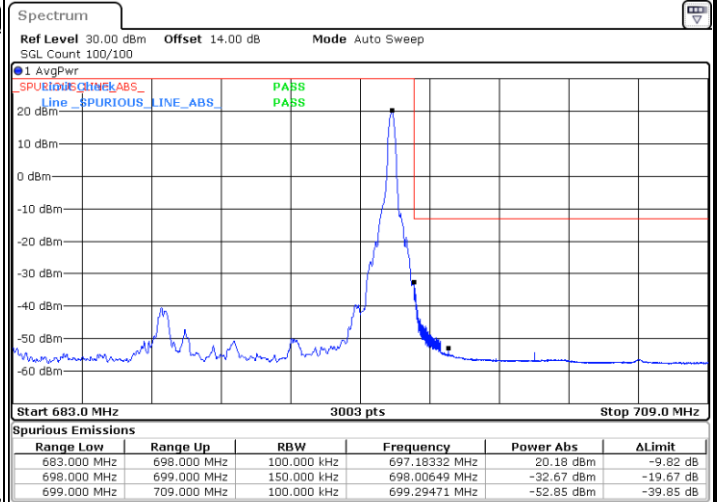


LTE Band 71 / 15MHz / QPSK

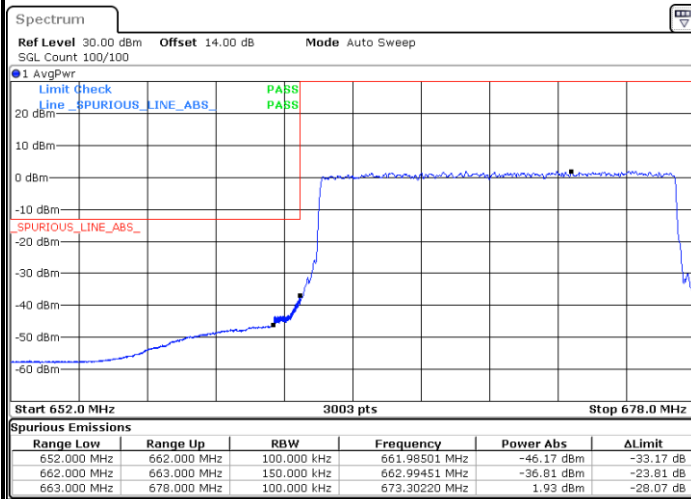
Lowest Band Edge / 1 RB



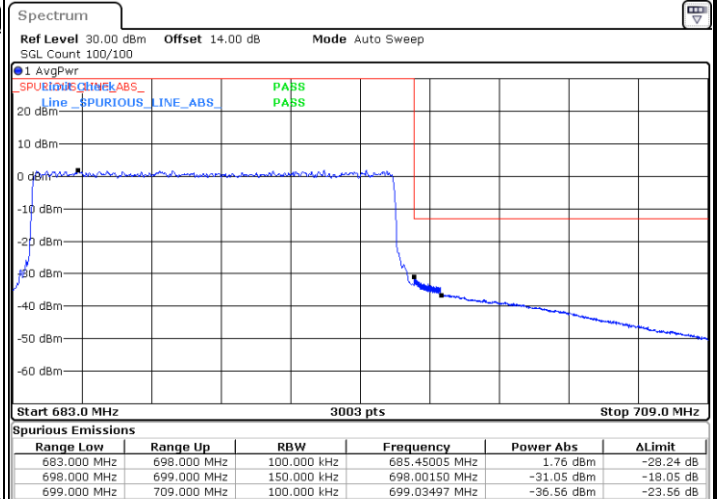
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



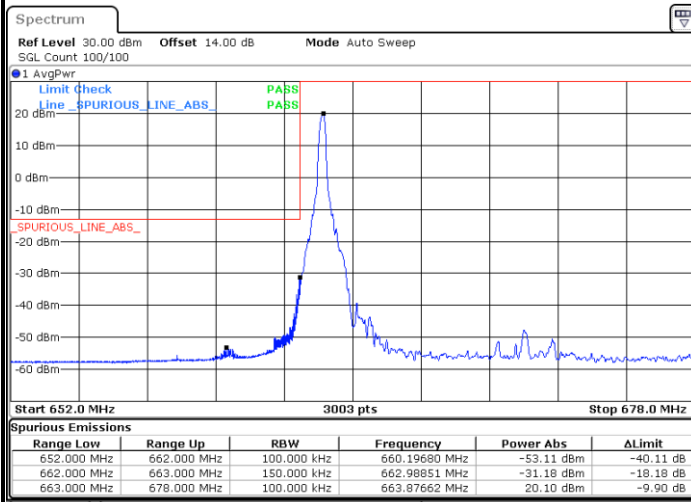
Highest Band Edge / Full RB



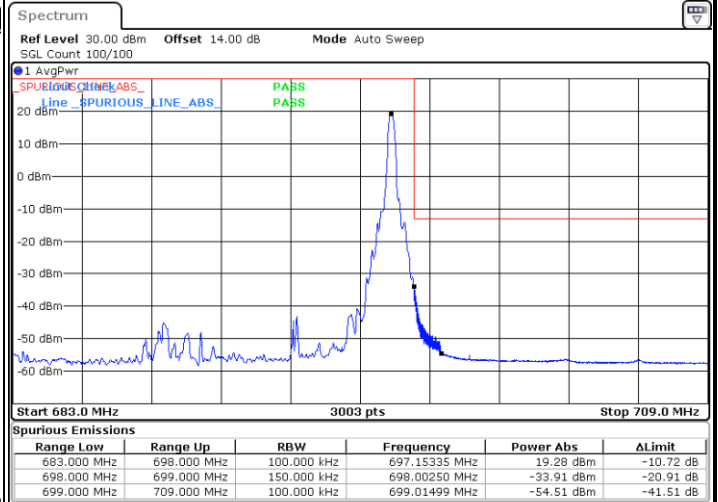


LTE Band 71 / 15MHz / 16QAM

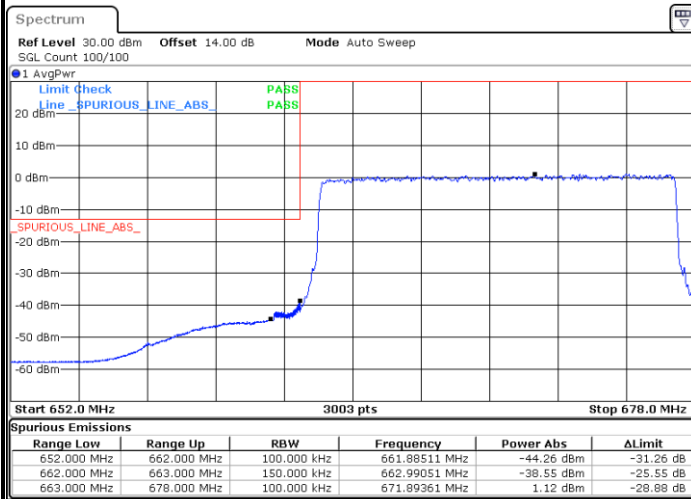
Lowest Band Edge / 1 RB



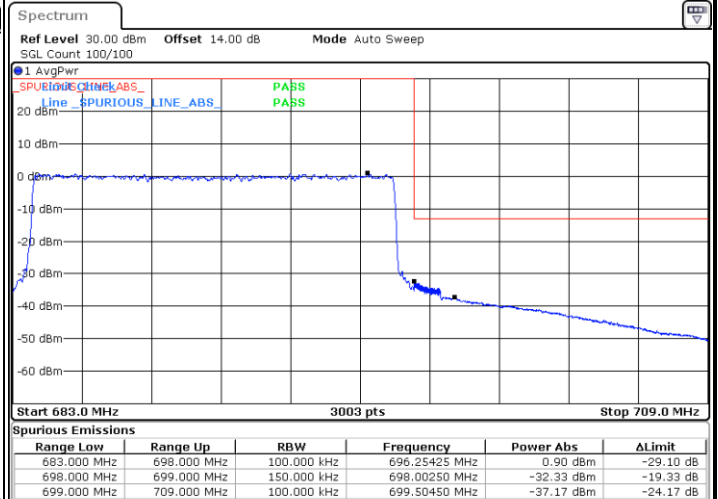
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



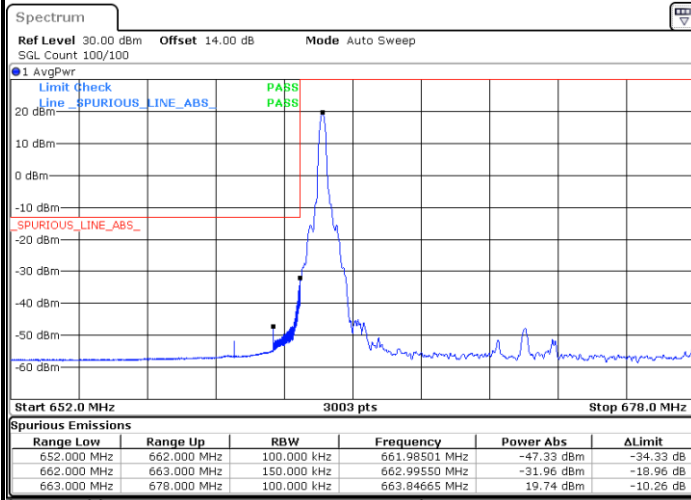
Highest Band Edge / Full RB



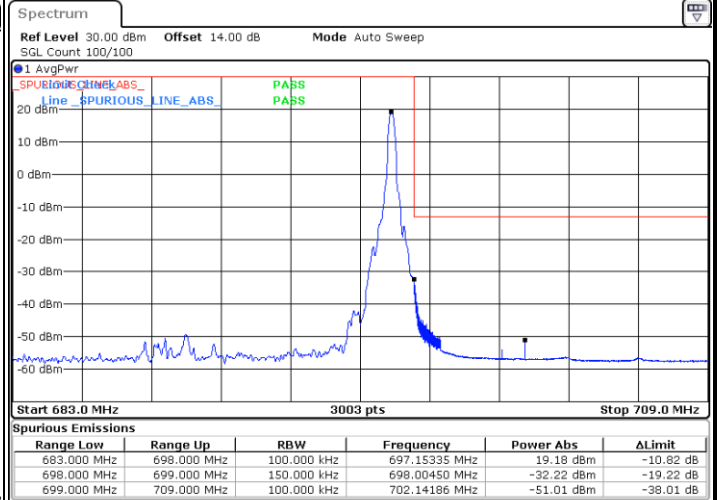


LTE Band 71 / 15MHz / 64QAM

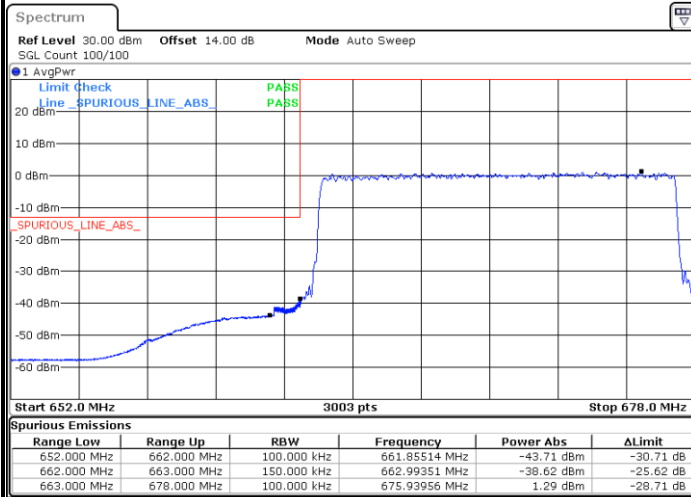
Lowest Band Edge / 1 RB



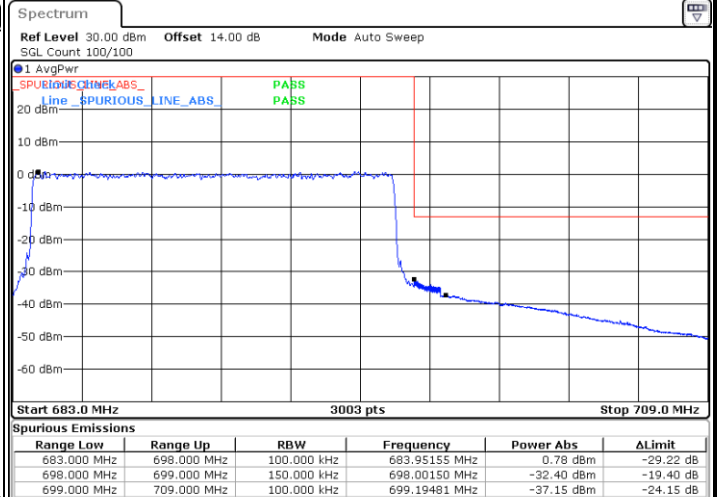
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



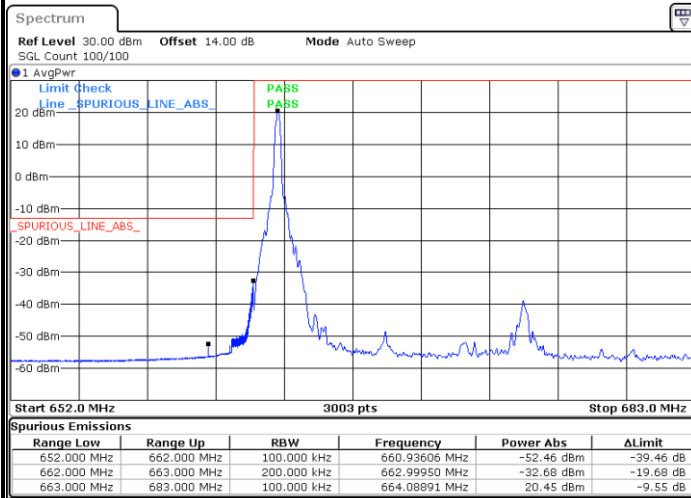
Highest Band Edge / Full RB



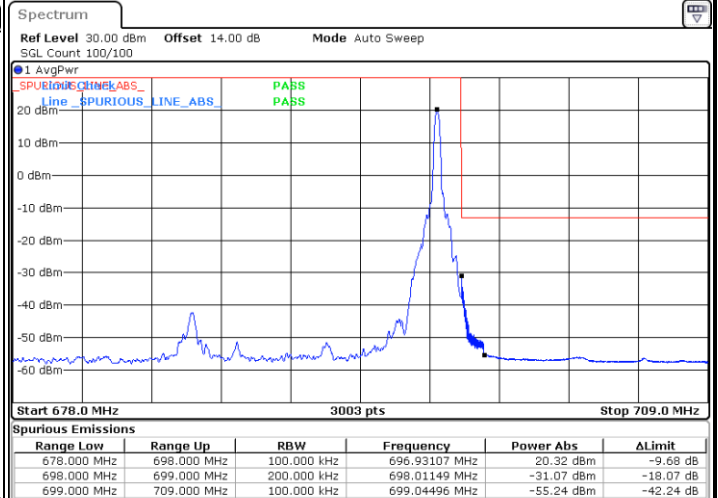


LTE Band 71 / 20MHz / QPSK

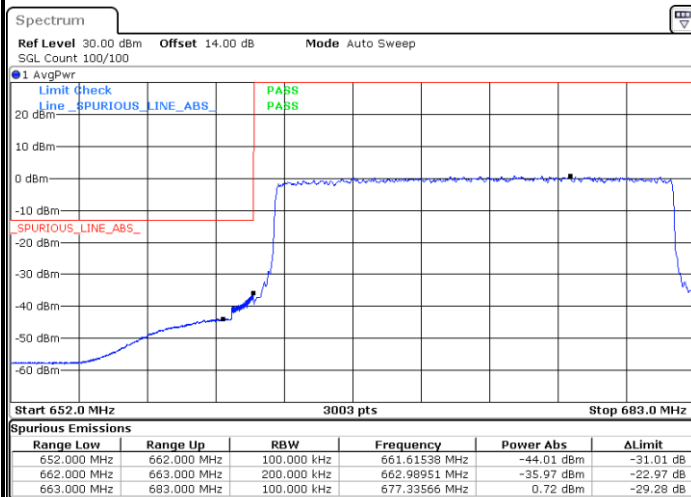
Lowest Band Edge / 1 RB



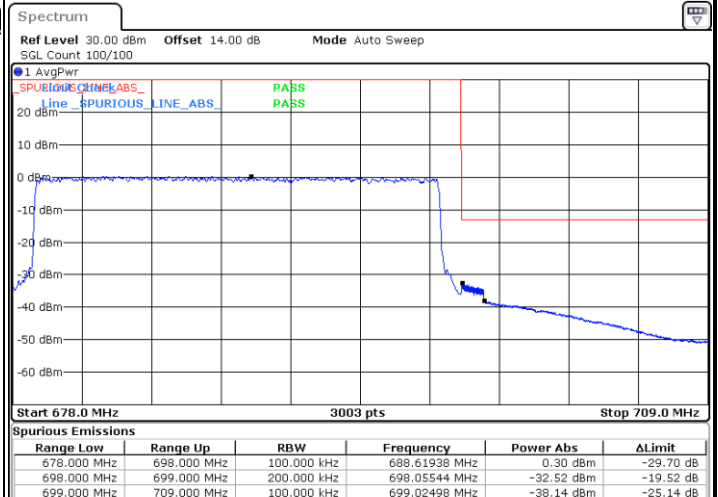
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



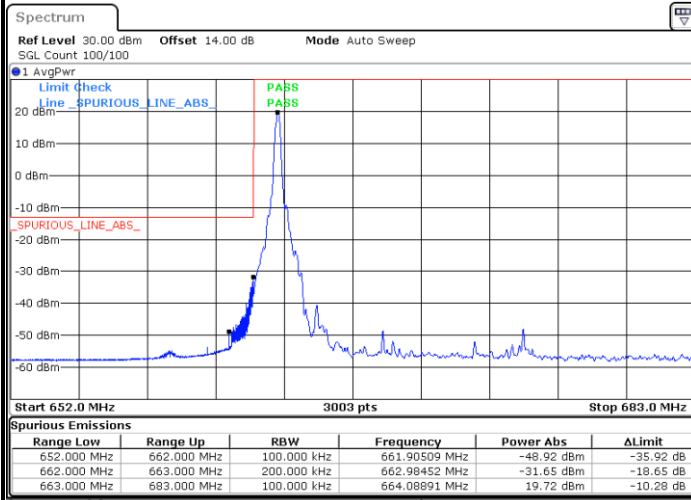
Highest Band Edge / Full RB



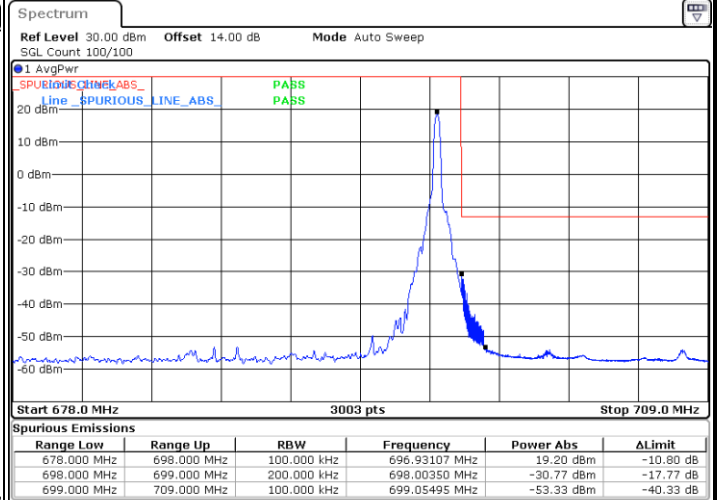


LTE Band 71 / 20MHz / 16QAM

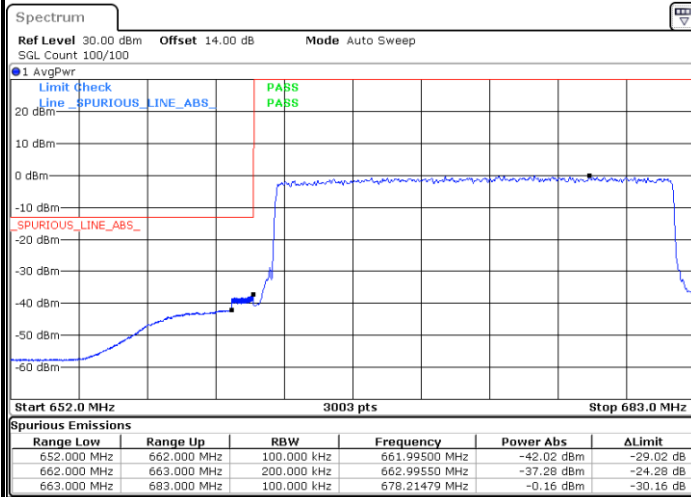
Lowest Band Edge / 1 RB



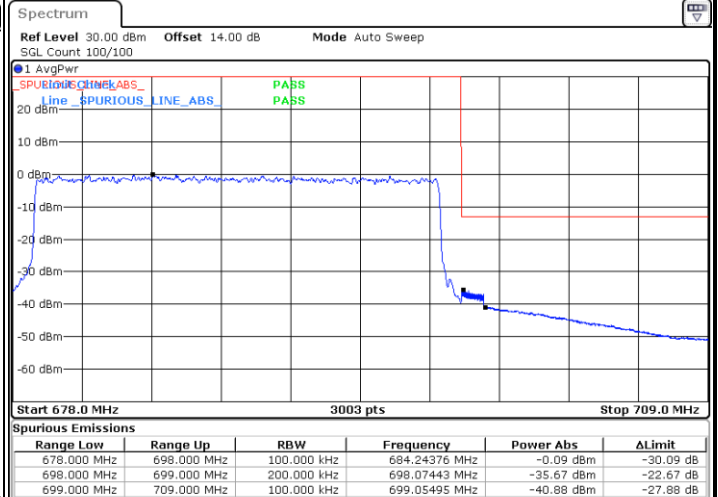
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



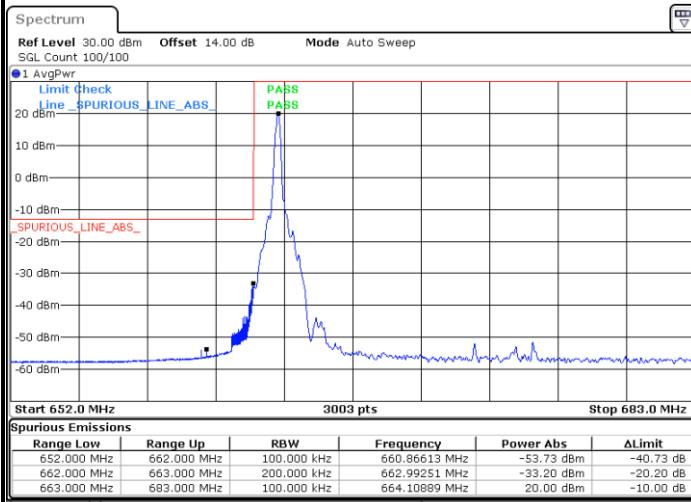
Highest Band Edge / Full RB



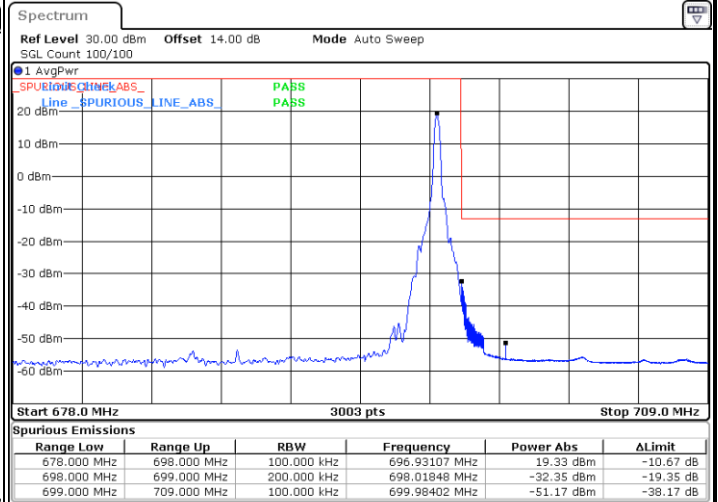


LTE Band 71 / 20MHz / 64QAM

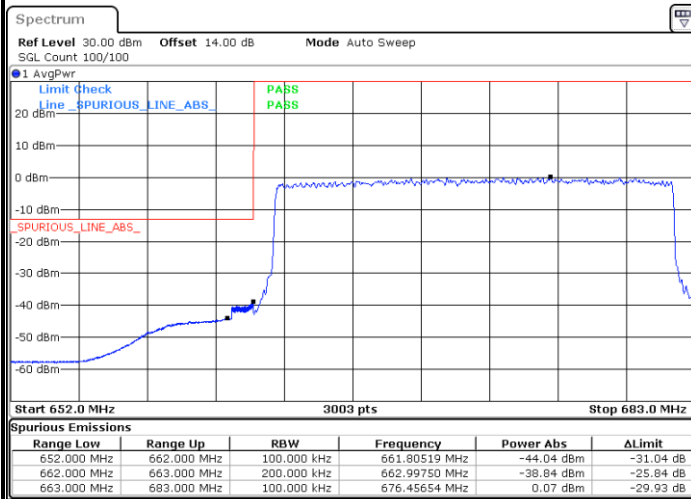
Lowest Band Edge / 1 RB



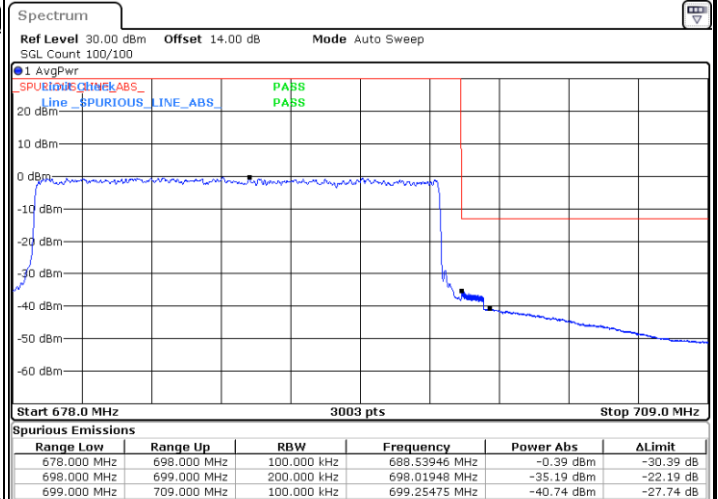
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



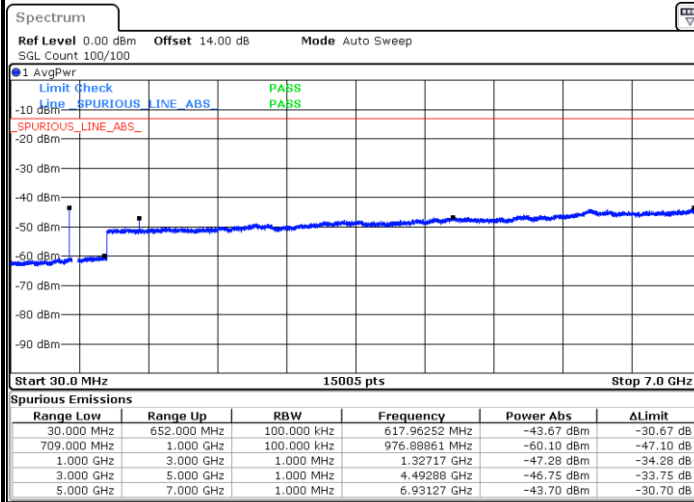


Conducted Spurious Emission



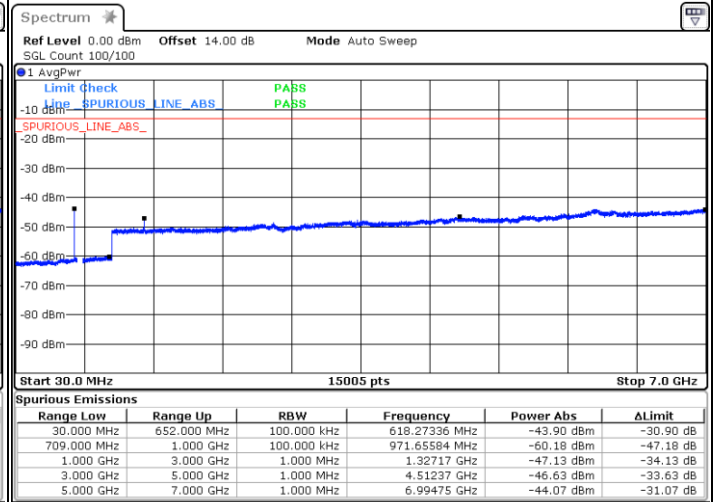
LTE Band 71 / 5MHz

Lowest Channel / QPSK



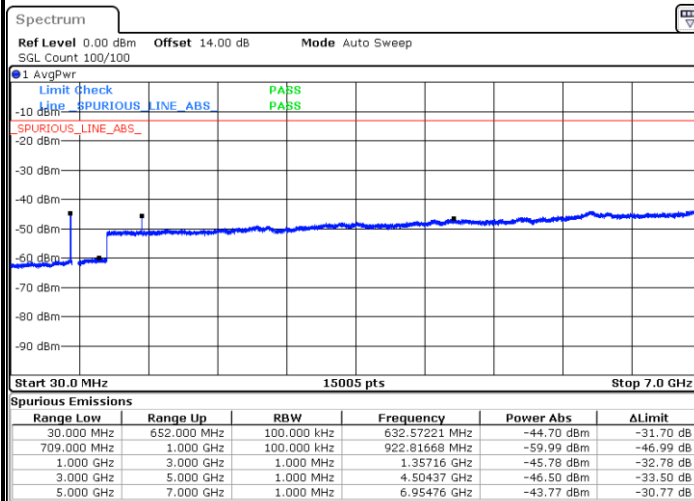
Date: 10.DEC.2020 02:33:51

Lowest Channel / 16QAM



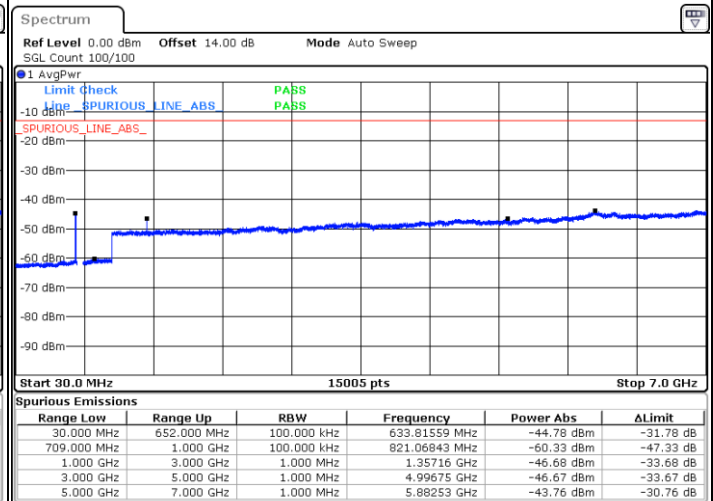
Date: 10.DEC.2020 02:41:36

Middle Channel / QPSK



Date: 10.DEC.2020 02:32:26

Middle Channel / 16QAM

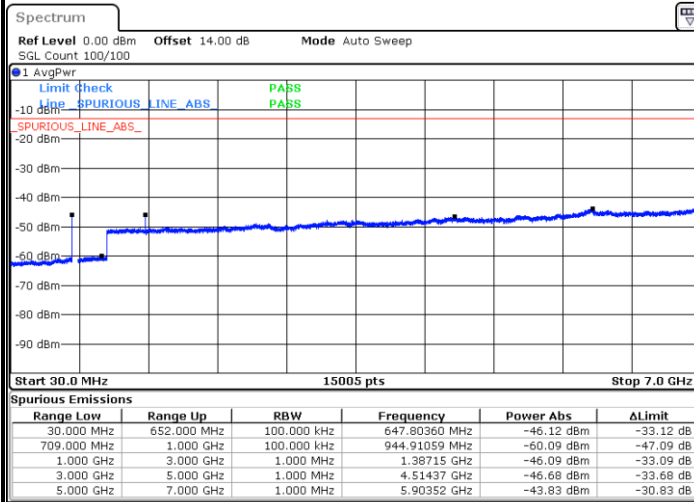


Date: 10.DEC.2020 02:49:46



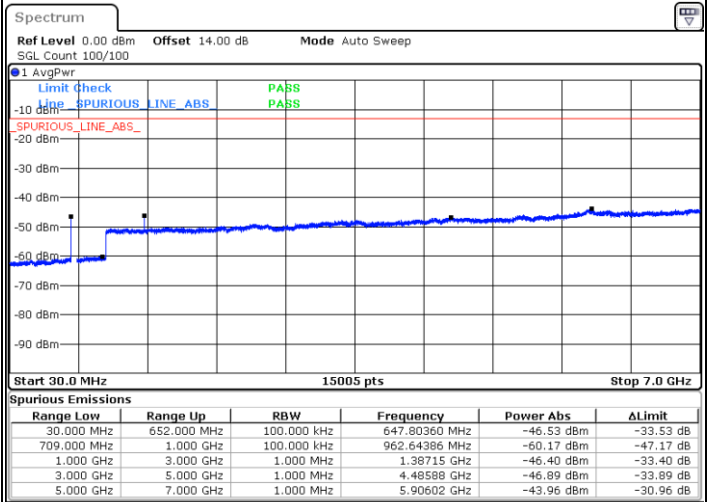
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 10.DEC.2020 02:42:39

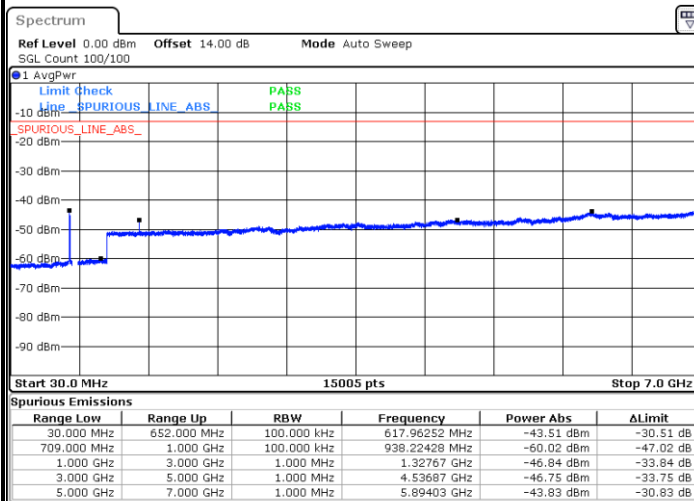
Highest Channel / 16QAM



Date: 10.DEC.2020 02:43:02

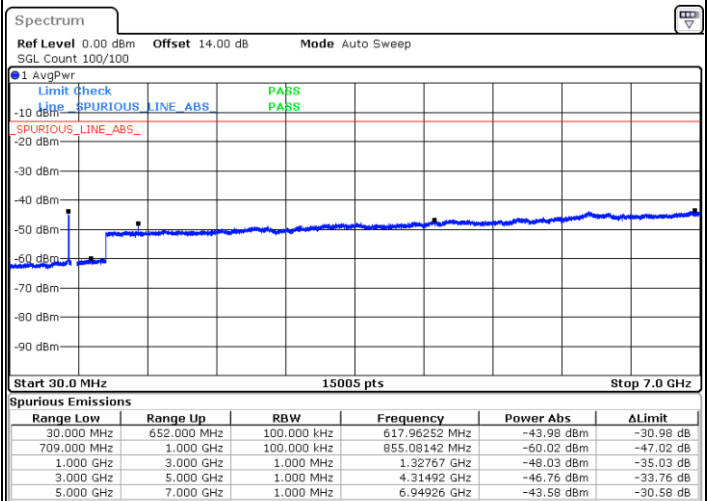
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 10.DEC.2020 02:59:58

Lowest Channel / 16QAM

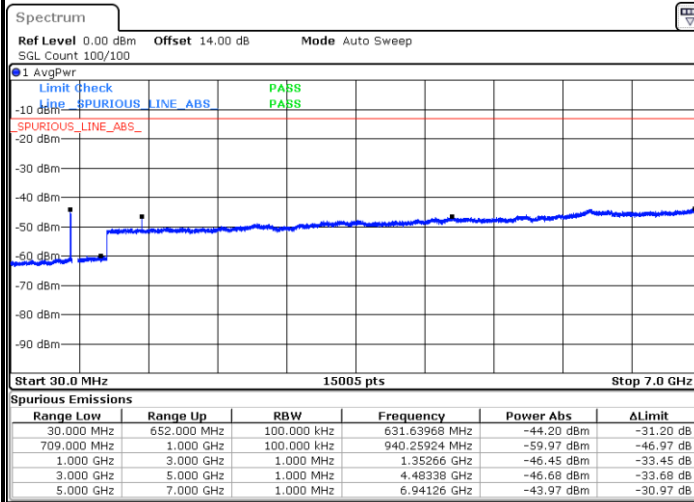


Date: 10.DEC.2020 02:58:58



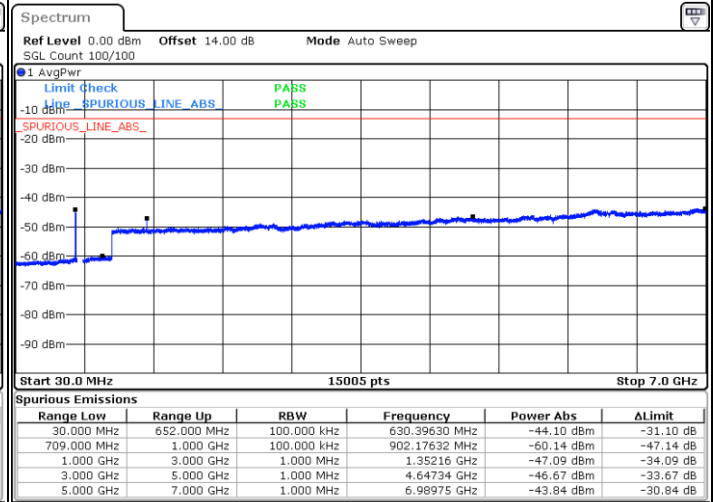
LTE Band 71 / 10MHz

Middle Channel / QPSK



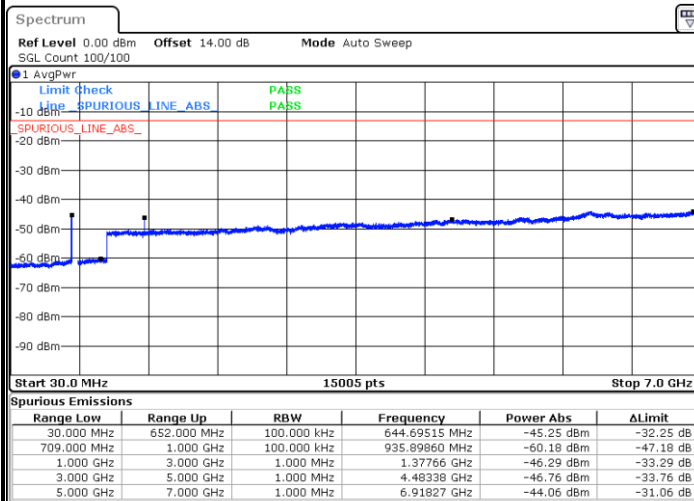
Date: 10.DEC.2020 02:51:23

Middle Channel / 16QAM



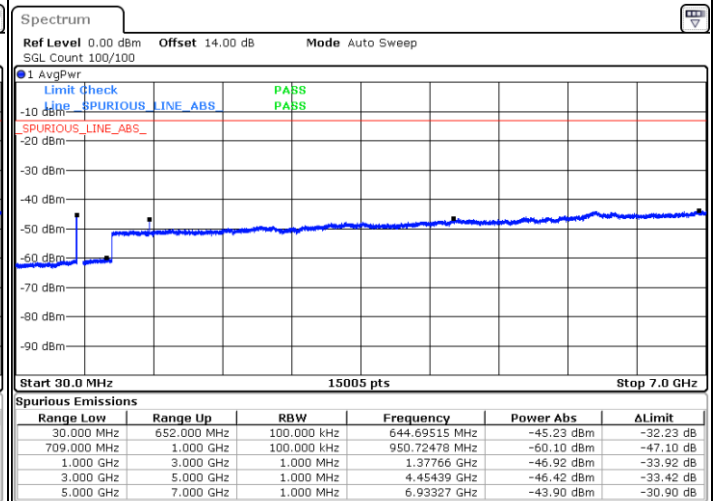
Date: 10.DEC.2020 02:51:45

Highest Channel / QPSK



Date: 10.DEC.2020 03:00:31

Highest Channel / 16QAM

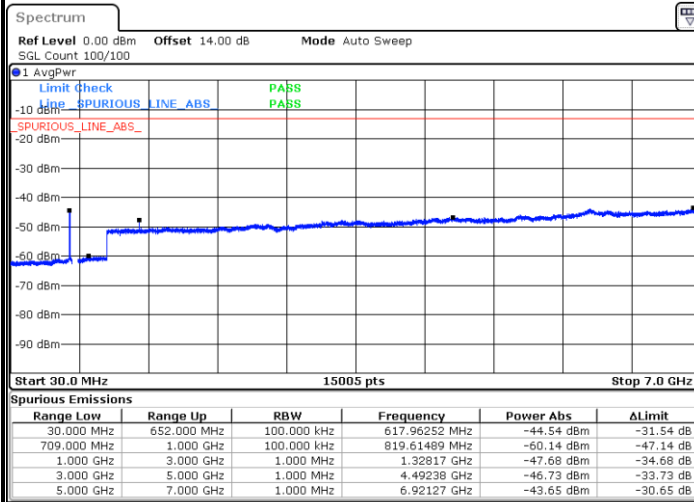


Date: 10.DEC.2020 03:00:57



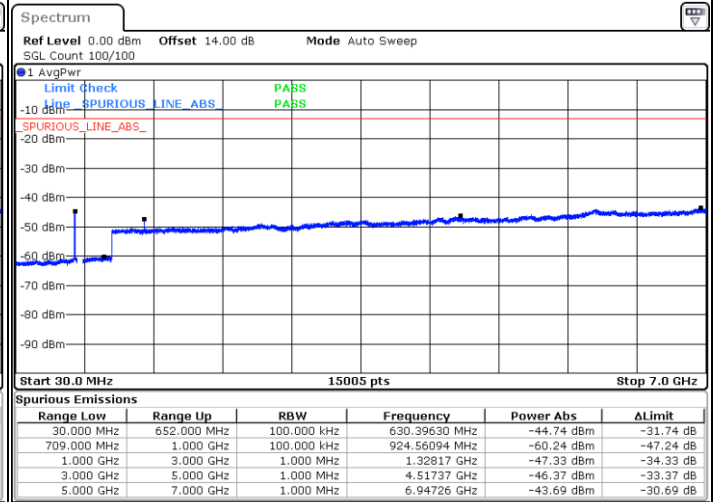
LTE Band 71 / 15MHz

Lowest Channel / QPSK



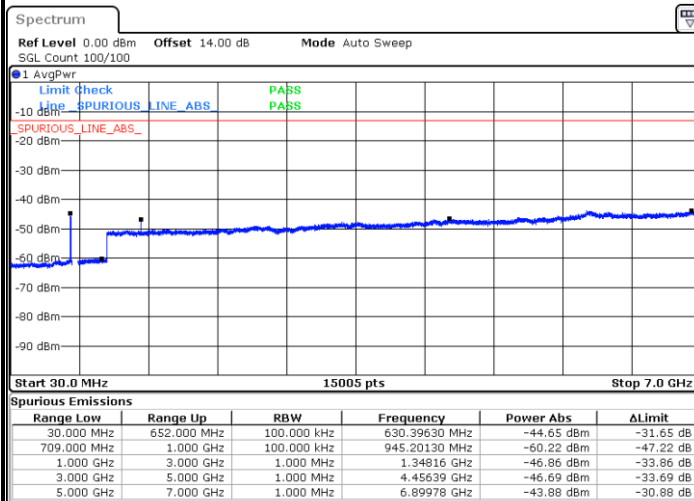
Date: 10.DEC.2020 03:36:09

Lowest Channel / 16QAM



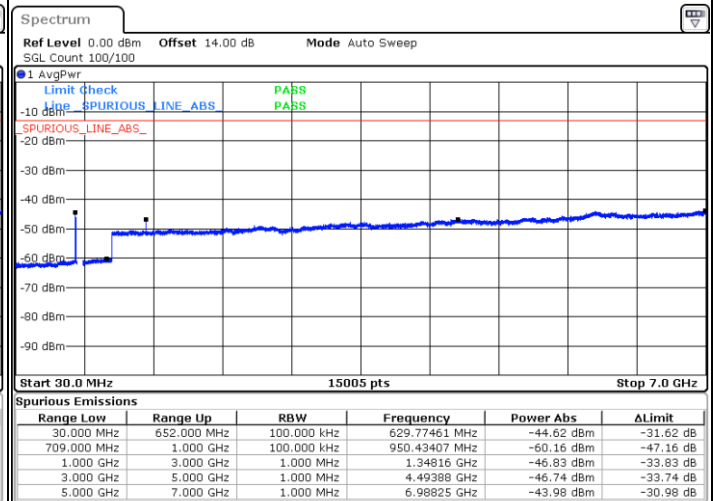
Date: 10.DEC.2020 03:38:15

Middle Channel / QPSK



Date: 10.DEC.2020 03:25:42

Middle Channel / 16QAM

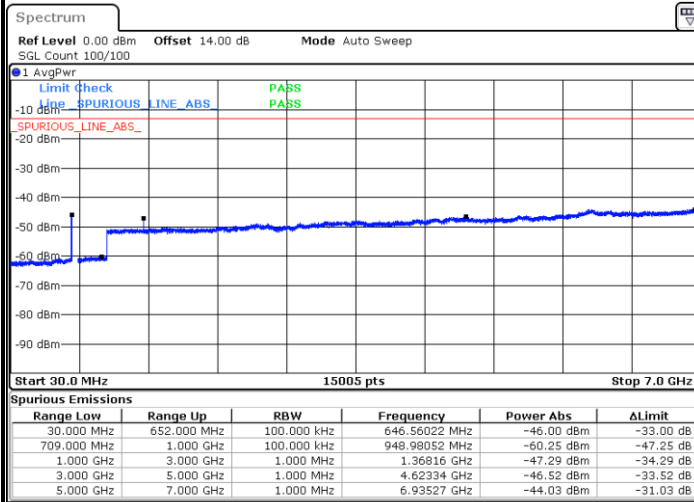


Date: 10.DEC.2020 03:23:01



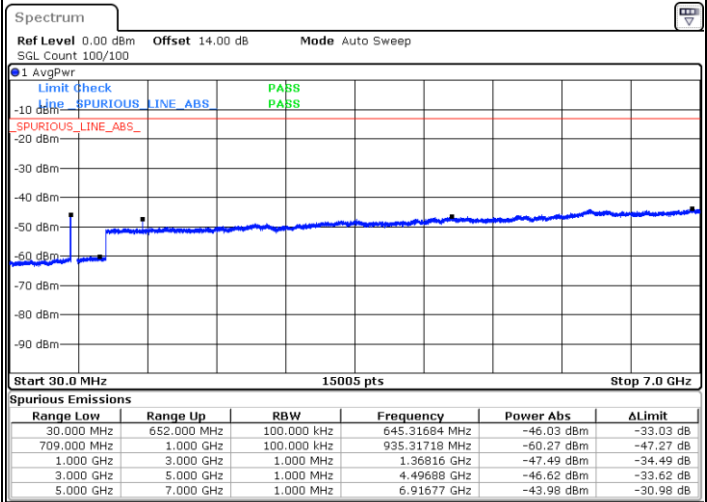
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 10.DEC.2020 04:46:14

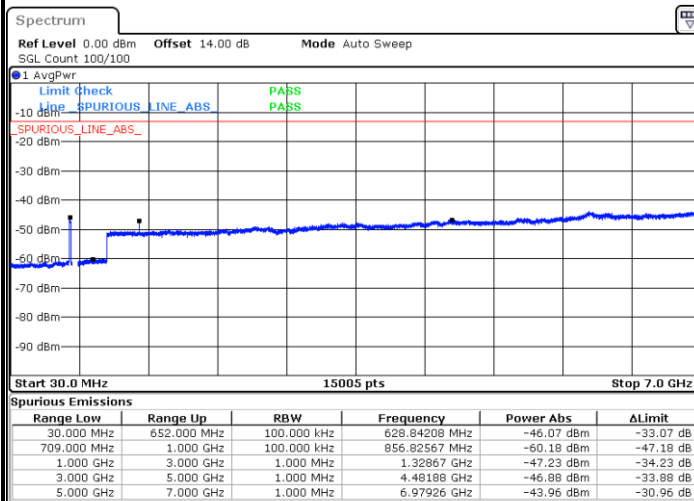
Highest Channel / 16QAM



Date: 10.DEC.2020 04:45:41

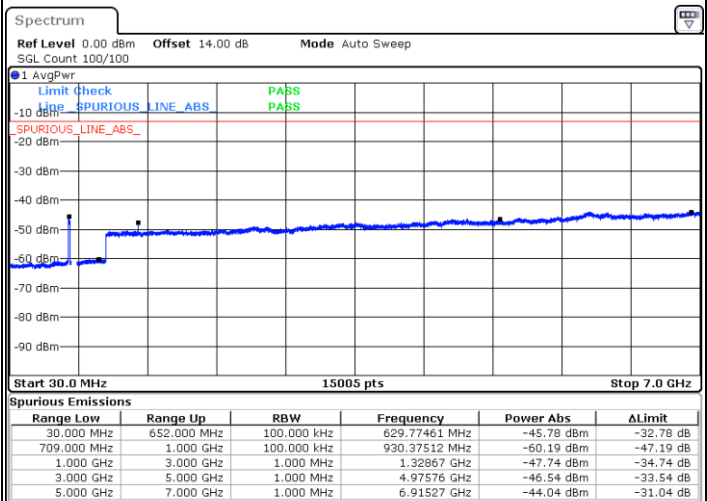
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 10.DEC.2020 05:01:37

Lowest Channel / 16QAM

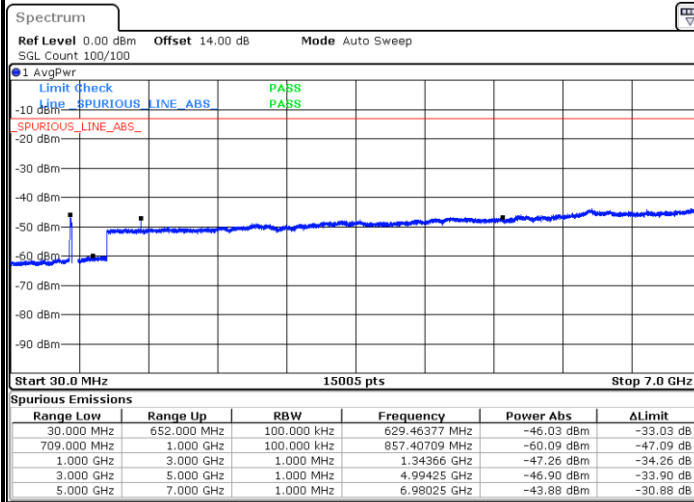


Date: 10.DEC.2020 05:00:38



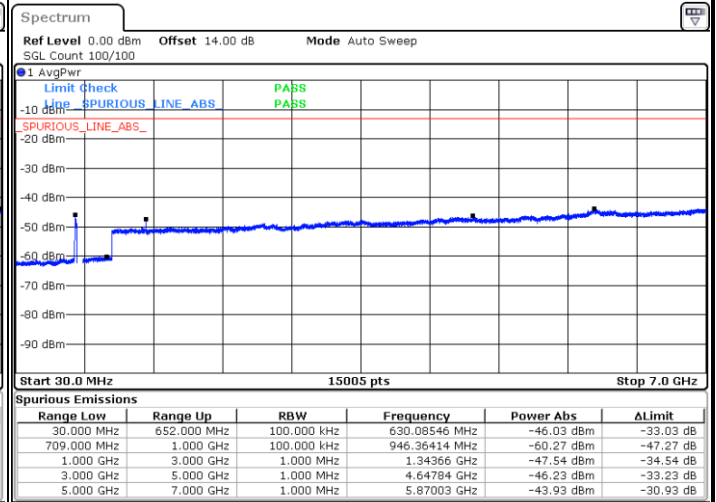
LTE Band 71 / 20MHz

Middle Channel / QPSK



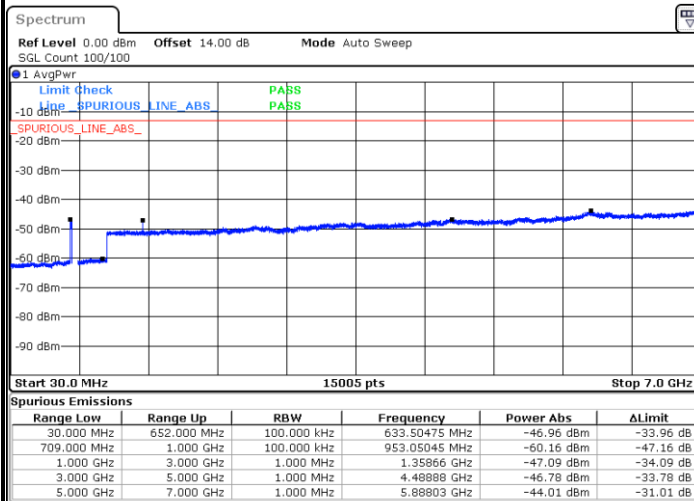
Date: 10.DEC.2020 04:53:17

Middle Channel / 16QAM



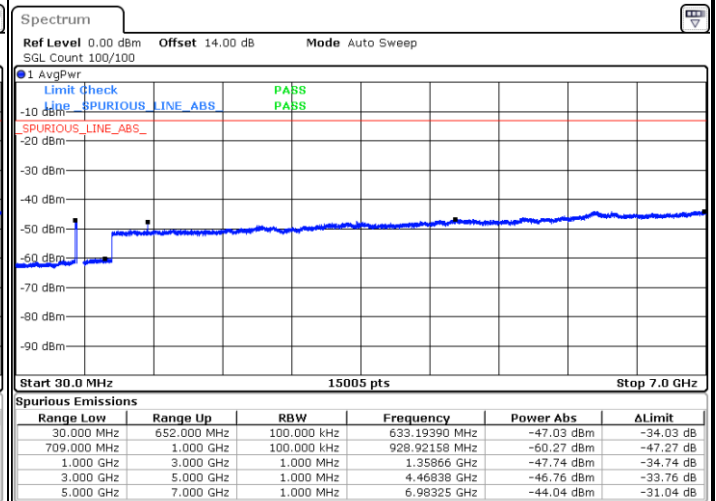
Date: 10.DEC.2020 04:53:51

Highest Channel / QPSK



Date: 10.DEC.2020 05:04:04

Highest Channel / 16QAM

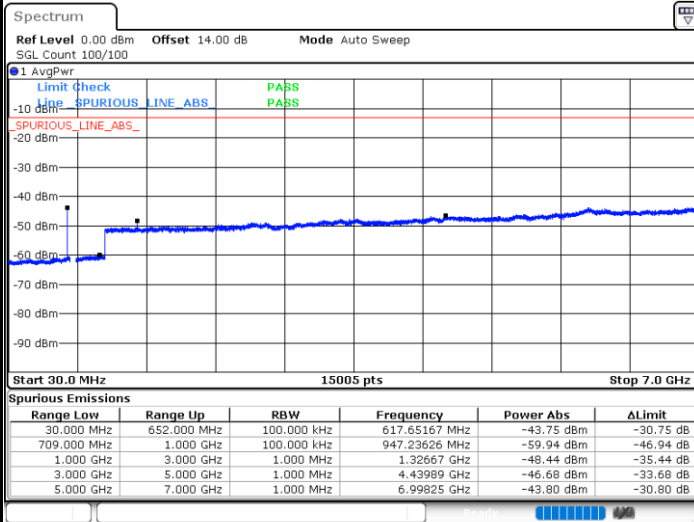


Date: 10.DEC.2020 05:05:19

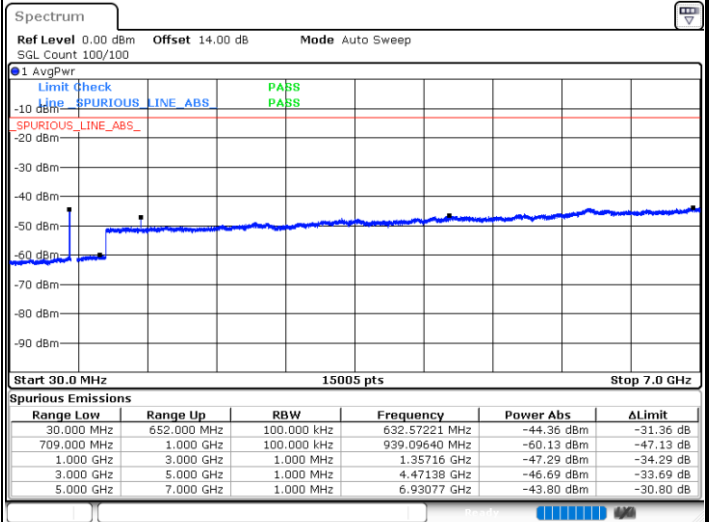


LTE Band 71 / 5MHz

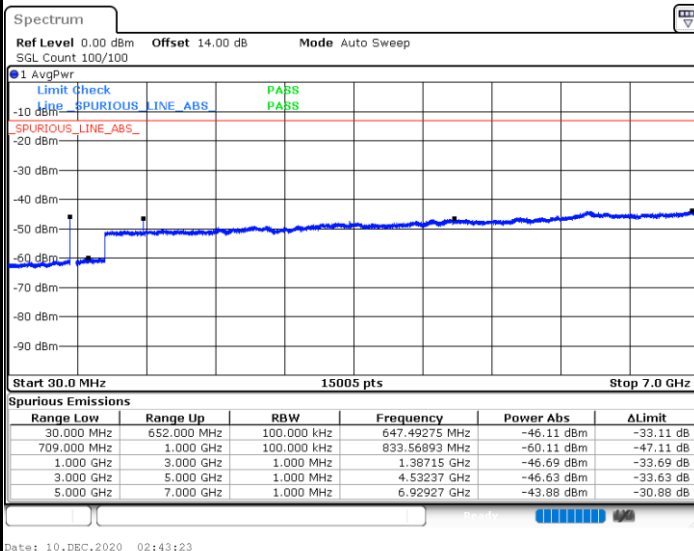
Lowest Channel / 64QAM



Middle Channel / 64QAM



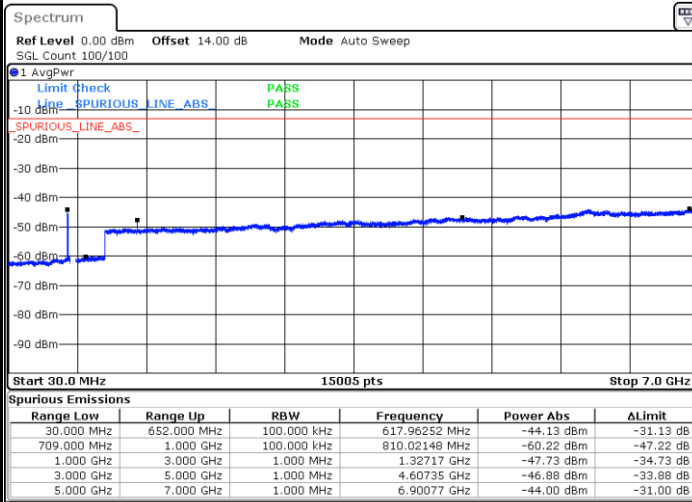
Highest Channel / 64QAM





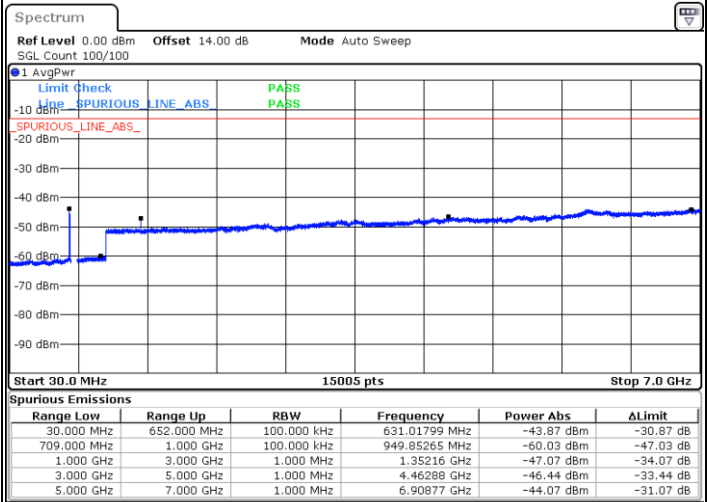
LTE Band 71 / 10MHz

Lowest Channel / 64QAM



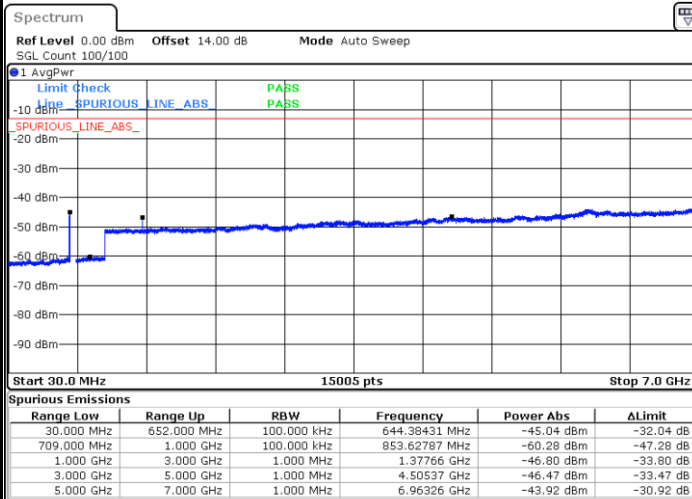
Date: 10.DEC.2020 02:58:04

Middle Channel / 64QAM



Date: 10.DEC.2020 02:52:05

Highest Channel / 64QAM

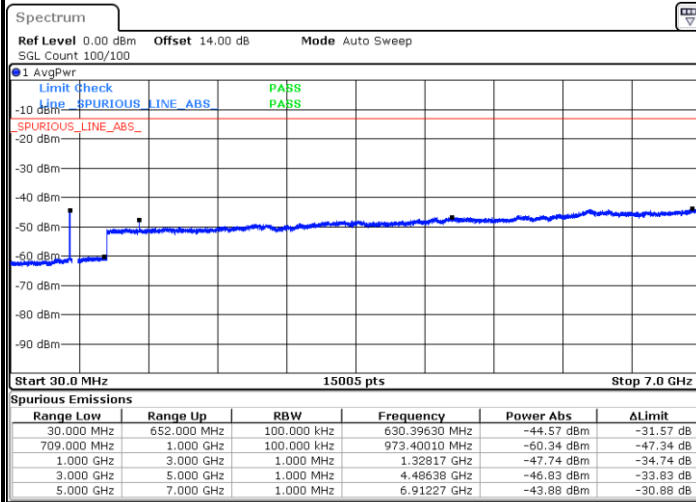


Date: 10.DEC.2020 03:01:20



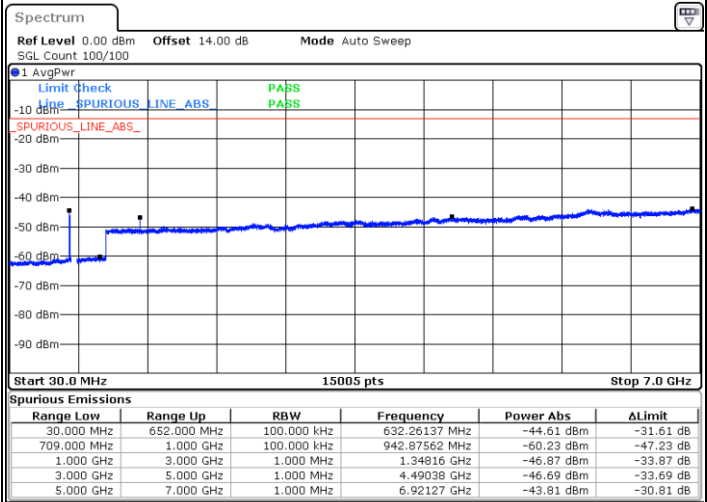
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



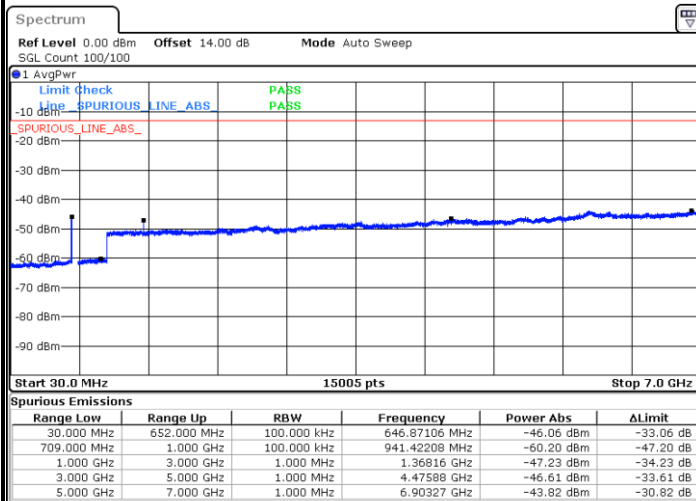
Date: 10.DEC.2020 03:50:03

Middle Channel / 64QAM



Date: 10.DEC.2020 03:21:27

Highest Channel / 64QAM

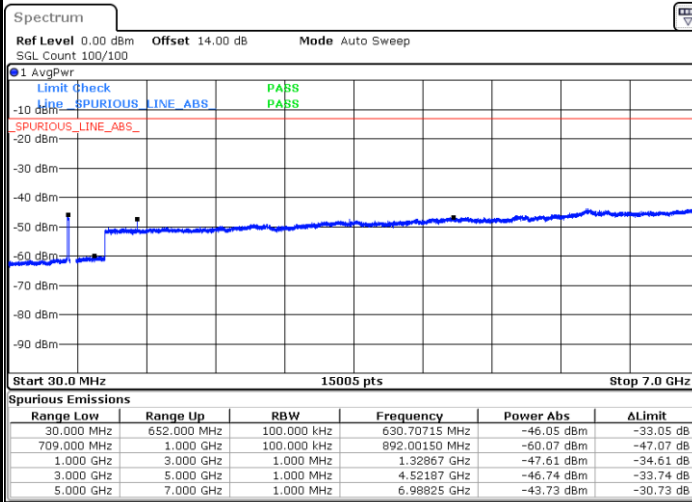


Date: 10.DEC.2020 04:45:14



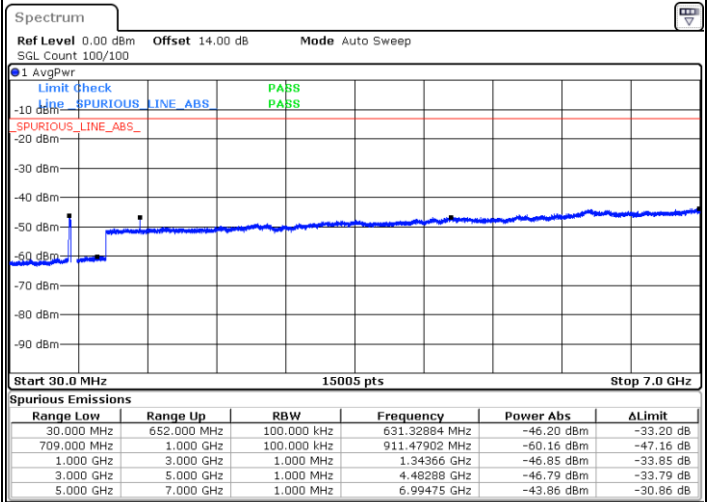
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



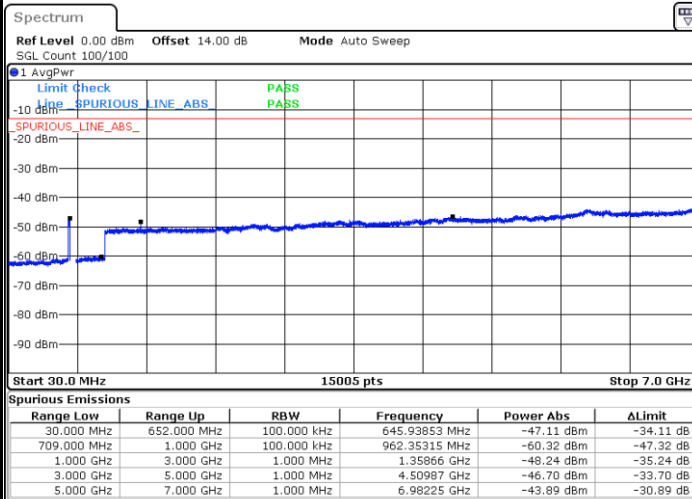
Date: 10.DEC.2020 04:59:33

Middle Channel / 64QAM



Date: 10.DEC.2020 04:54:23

Highest Channel / 64QAM



Date: 10.DEC.2020 05:05:50

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	0.0028	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Top Antenna:

LTE Band 7 / 20MHz / QPSK									
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	-55.80	-25	-30.80	-78.69	-61.36	7.14	12.70	H
	7578.27	-52.13	-25	-27.13	-78.81	-55.43	8.30	11.60	H
	10104.36	-47.00	-25	-22.00	-79.11	-48.52	10.48	12.00	H
	5052.18	-55.61	-25	-30.61	-78.62	-61.17	7.14	12.70	V
	7578.27	-51.97	-25	-26.97	-78.61	-55.27	8.30	11.60	V
	10104.36	-48.37	-25	-23.37	-79.08	-49.89	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK									
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	5168.18	-50.75	-25	-25.75	-73.41	-56.42	7.13	12.80	H
	7752.27	-50.19	-25	-25.19	-77.28	-53.29	8.50	11.60	H
	10336.36	-46.64	-25	-21.64	-78.70	-47.98	10.68	12.02	H
	5168.18	-50.39	-25	-25.39	-73.32	-56.06	7.13	12.80	V
	7752.27	-50.55	-25	-25.55	-77.49	-53.65	8.50	11.60	V
	10336.36	-47.48	-25	-22.48	-78.63	-48.82	10.68	12.02	V

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

LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	-64.73	-13	-51.73	-71.75	-67.98	4.00	9.40	H
	2014.5	-58.61	-13	-45.61	-66.72	-62.18	4.88	10.60	H
	2686	-63.74	-13	-50.74	-74.80	-68.67	5.52	12.60	H
	1343	-64.73	-13	-51.73	-71.70	-67.98	4.00	9.40	V
	2014.5	-60.32	-13	-47.32	-68.85	-63.89	4.88	10.60	V
	2686	-63.59	-13	-50.59	-74.95	-68.52	5.52	12.60	V

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



LTE Band 41C_CA / 20MHz + 20MHz / QPSK									
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	-60.79	-25	-35.79	-78.33	-66.46	7.13	12.80	H
	7779	-55.06	-25	-30.06	-77.82	-58.16	8.50	11.60	H
	10372	-52.83	-25	-27.83	-79.83	-54.17	10.68	12.02	H
	5186	-60.71	-25	-35.71	-78.2	-66.38	7.13	12.80	V
	7779	-55.10	-25	-30.10	-77.86	-58.2	8.50	11.60	V
	10372	-52.98	-25	-27.98	-79.8	-54.32	10.68	12.02	V

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

Bottom Antenna:

LTE Band 7 / 20MHz / QPSK									
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	-51.00	-25	-26.00	-73.89	-56.56	7.14	12.70	H
	7578.27	-49.64	-25	-24.64	-76.32	-52.94	8.30	11.60	H
	10104.36	-46.86	-25	-21.86	-78.97	-48.38	10.48	12.00	H
	5052.18	-51.21	-25	-26.21	-74.22	-56.77	7.14	12.70	V
	7578.27	-50.27	-25	-25.27	-76.91	-53.57	8.30	11.60	V
	10104.36	-48.45	-25	-23.45	-79.16	-49.97	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK									
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	5168.18	-52.65	-25	-27.65	-75.31	-58.32	7.13	12.80	H
	7752.27	-50.29	-25	-25.29	-77.38	-53.39	8.50	11.60	H
	10336.36	-46.93	-25	-21.93	-78.99	-48.27	10.68	12.02	H
	5168.18	-52.13	-25	-27.13	-75.06	-57.8	7.13	12.80	V
	7752.27	-50.22	-25	-25.22	-77.16	-53.32	8.50	11.60	V
	10336.36	-47.75	-25	-22.75	-78.9	-49.09	10.68	12.02	V

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



LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	-64.52	-13	-51.52	-71.54	-67.77	4.00	9.40	H
	2014.5	-64.71	-13	-51.71	-72.82	-68.28	4.88	10.60	H
	2686	-63.43	-13	-50.43	-74.49	-68.36	5.52	12.60	H
	1343	-64.77	-13	-51.77	-71.74	-68.02	4.00	9.40	V
	2014.5	-65.21	-13	-52.21	-73.74	-68.78	4.88	10.60	V
	2686	-63.18	-13	-50.18	-74.54	-68.11	5.52	12.60	V

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

LTE Band 41C_CA / 20MHz + 20MHz / QPSK									
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	-60.80	-25	-35.80	-78.34	-66.47	7.13	12.80	H
	7779	-54.92	-25	-29.92	-77.68	-58.02	8.50	11.60	H
	10372	-52.63	-25	-27.63	-79.63	-53.97	10.68	12.02	H
	5186	-60.78	-25	-35.78	-78.27	-66.45	7.13	12.80	V
	7779	-55.02	-25	-30.02	-77.78	-58.12	8.50	11.60	V
	10372	-52.96	-25	-27.96	-79.78	-54.3	10.68	12.02	V

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