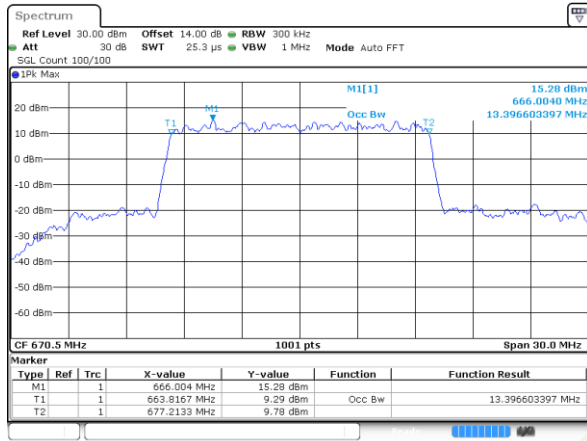




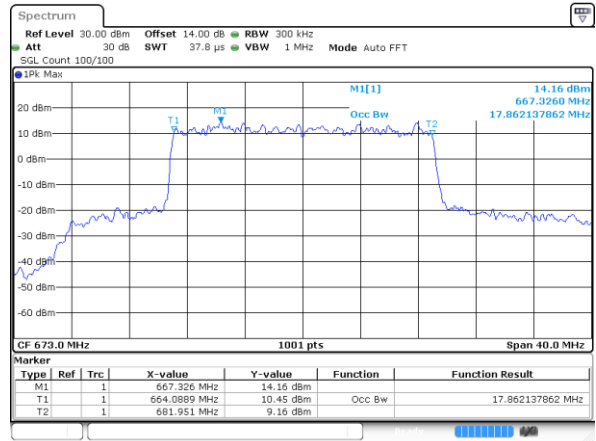
LTE Band 71

Lowest Channel / 15MHz / 64QAM



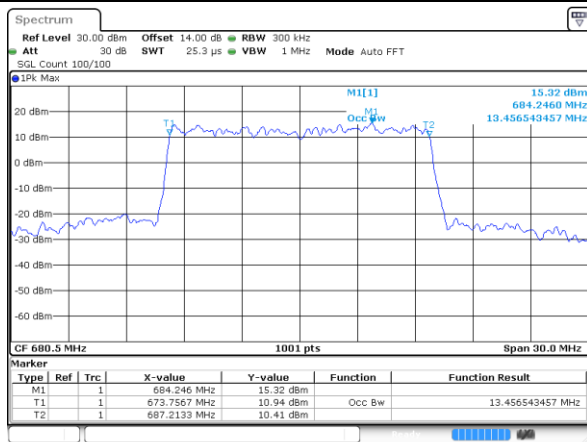
Date: 30 NOV 2020 11:02:11

Lowest Channel / 20MHz / 64QAM



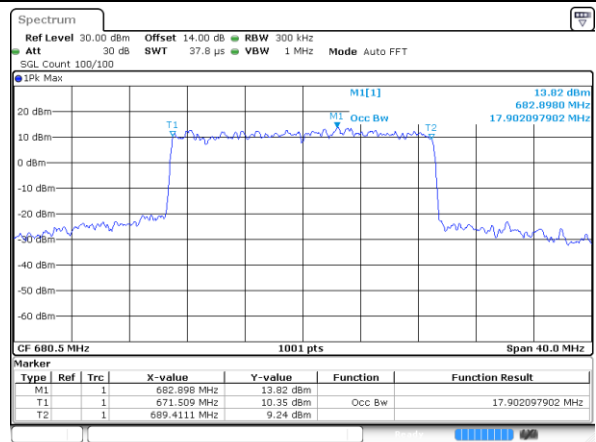
Date: 30 NOV 2020 11:26:50

Middle Channel / 15MHz / 64QAM



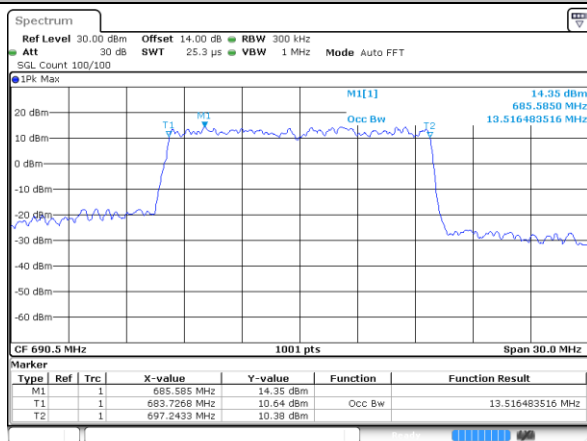
Date: 30 NOV 2020 11:06:41

Middle Channel / 20MHz / 64QAM



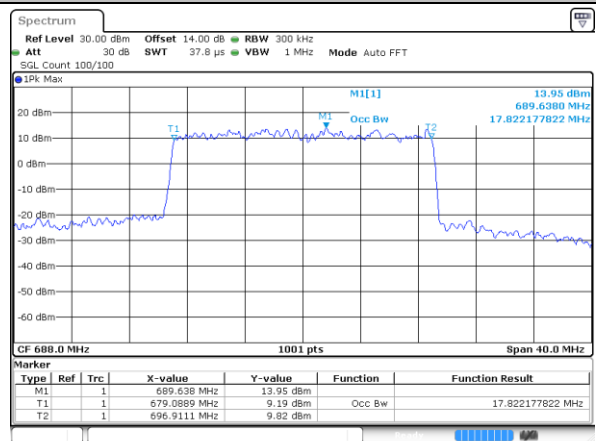
Date: 30 NOV 2020 11:36:33

Highest Channel / 15MHz / 64QAM



Date: 30 NOV 2020 11:10:29

Highest Channel / 20MHz / 64QAM



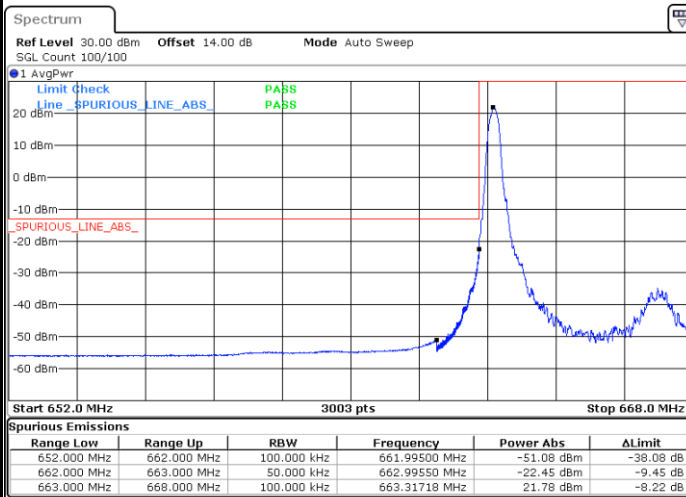
Date: 30 NOV 2020 11:37:28



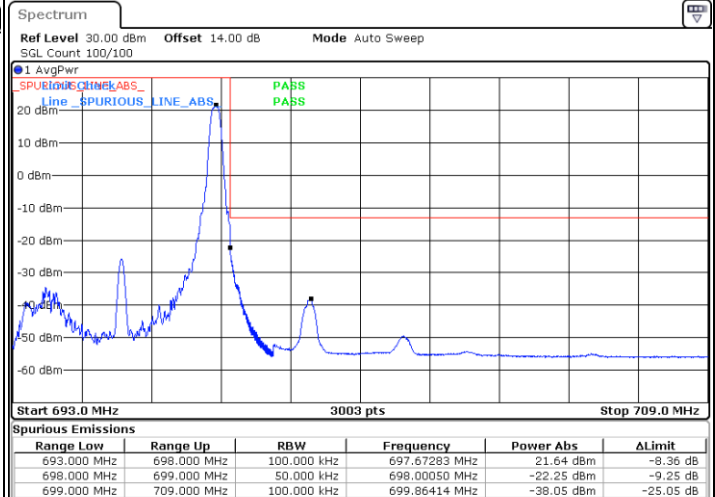
Conducted Band Edge

LTE Band 71 / 5MHz / QPSK

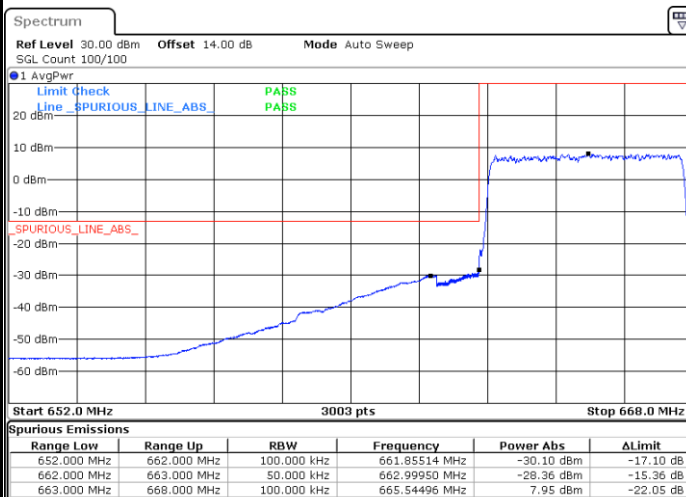
Lowest Band Edge / 1 RB



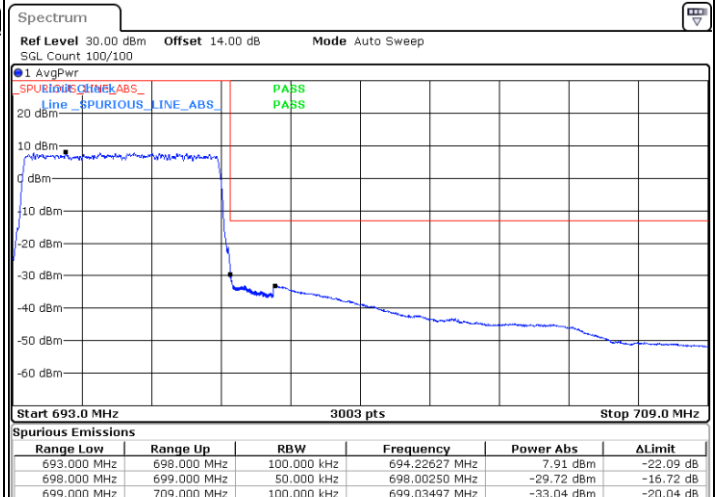
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



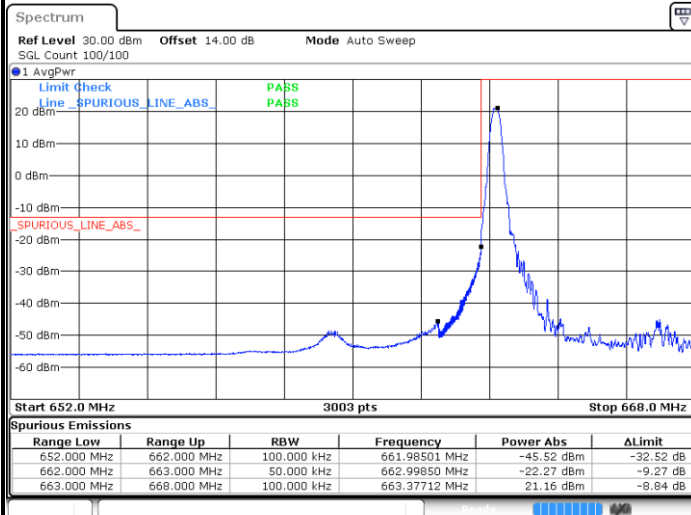
Highest Band Edge / Full RB



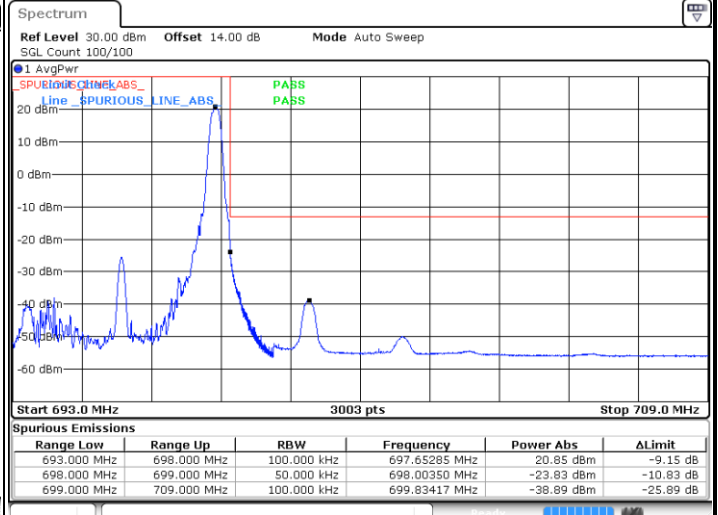


LTE Band 71 / 5MHz / 16QAM

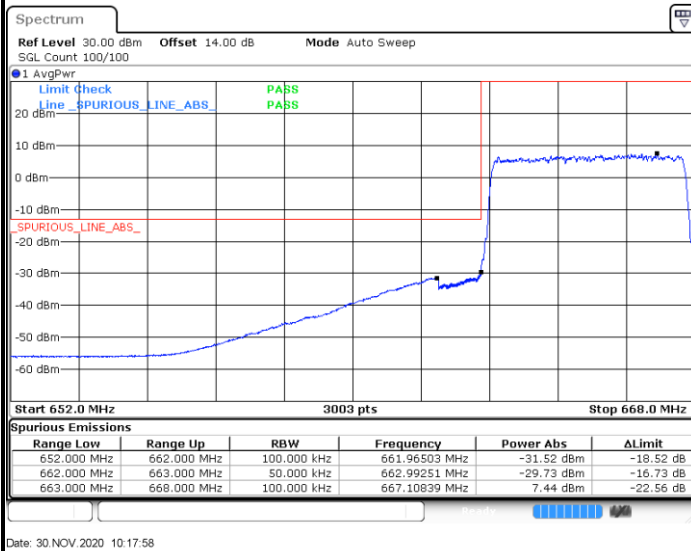
Lowest Band Edge / 1 RB



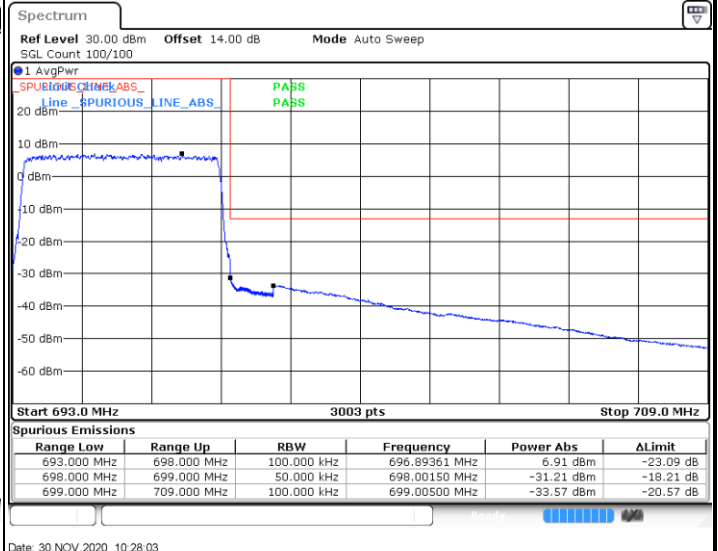
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



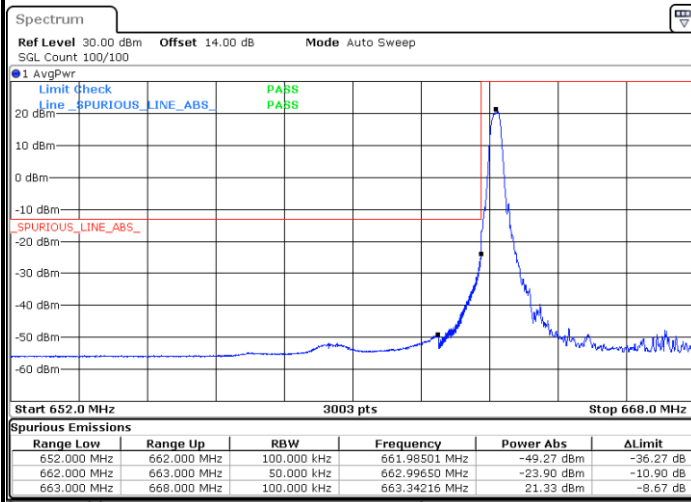
Highest Band Edge / Full RB



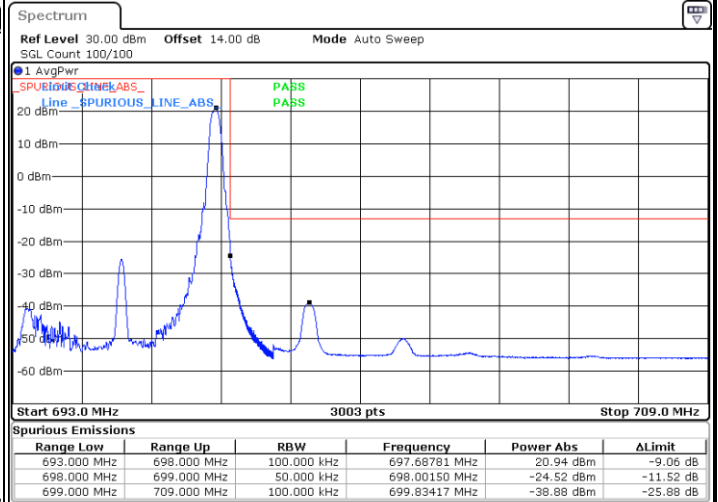


LTE Band 71 / 5MHz / 64QAM

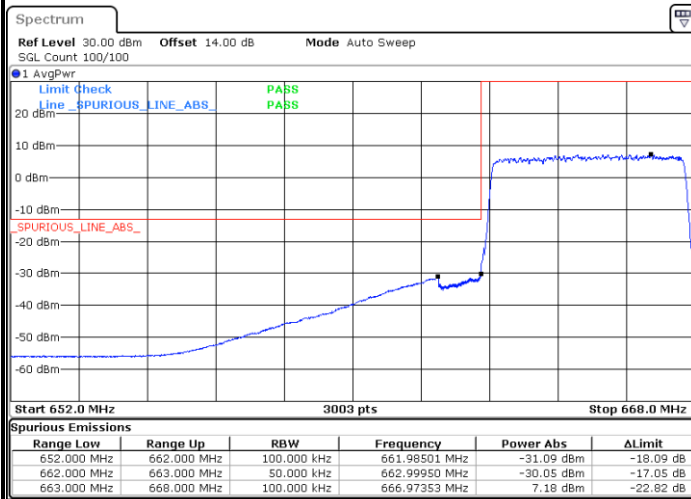
Lowest Band Edge / 1RB



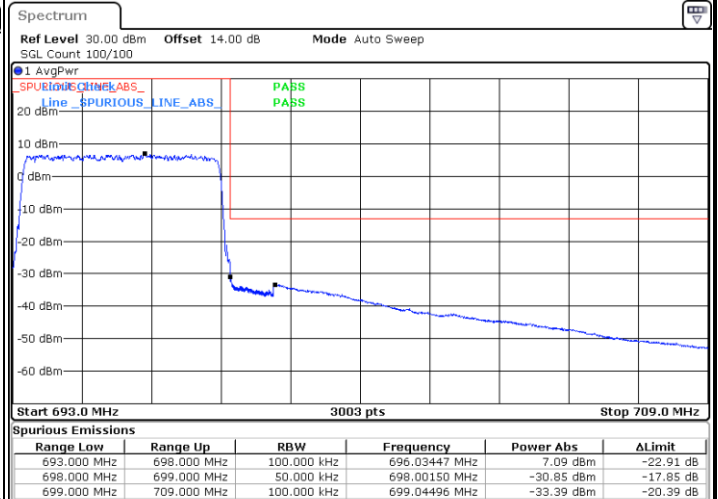
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



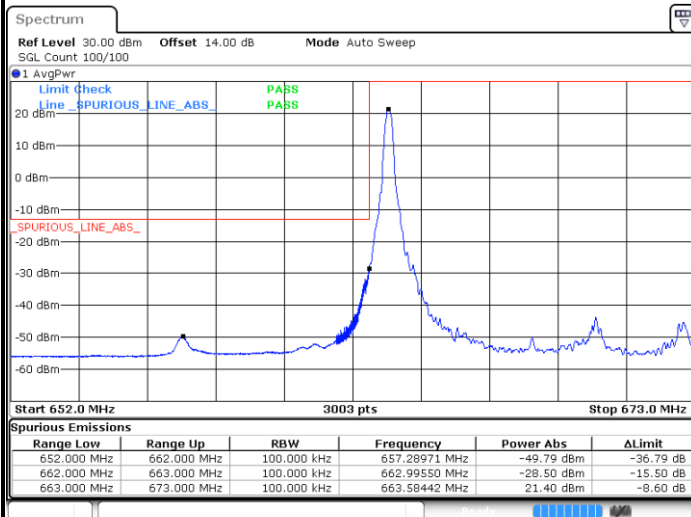
Highest Band Edge / Full RB



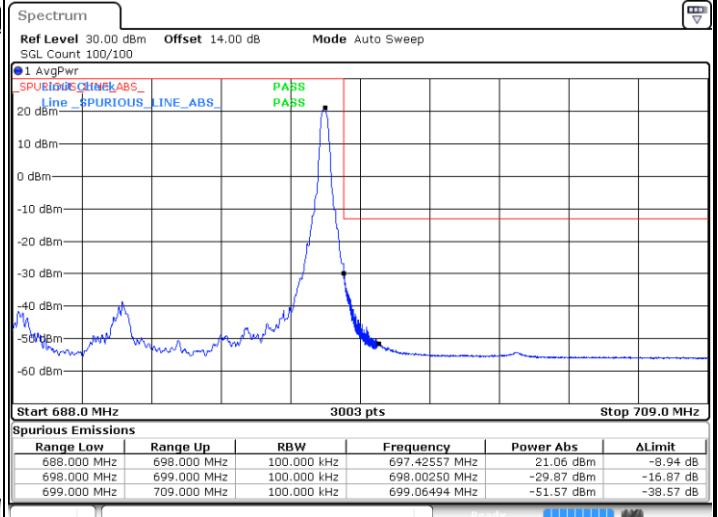


LTE Band 71 / 10MHz / QPSK

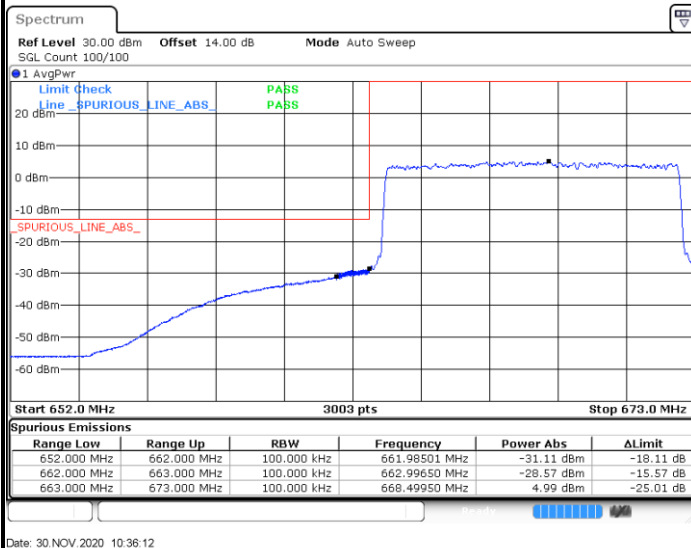
Lowest Band Edge / 1 RB



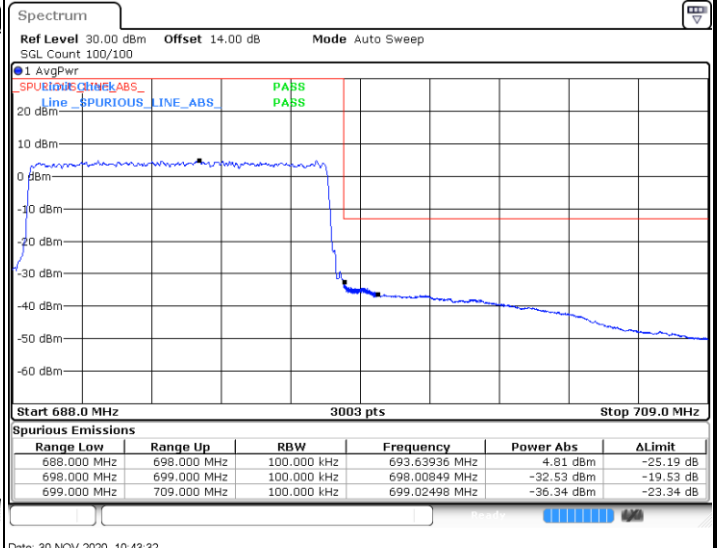
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



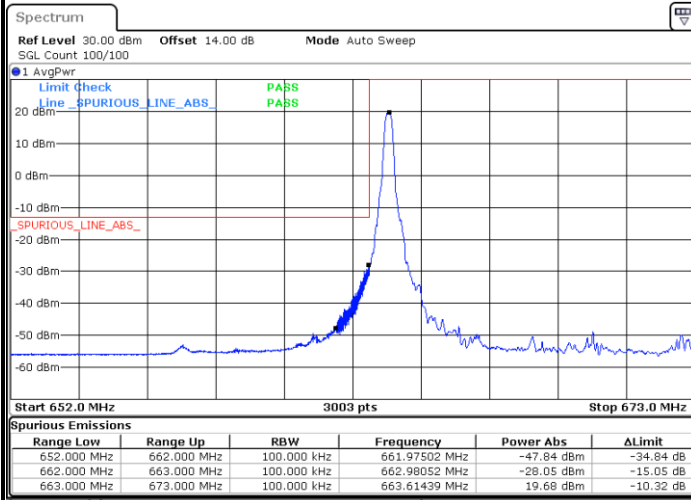
Highest Band Edge / Full RB



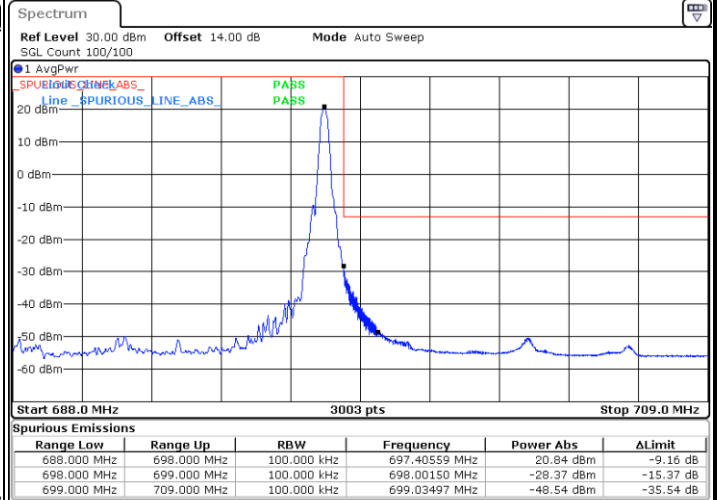


LTE Band 71 / 10MHz / 16QAM

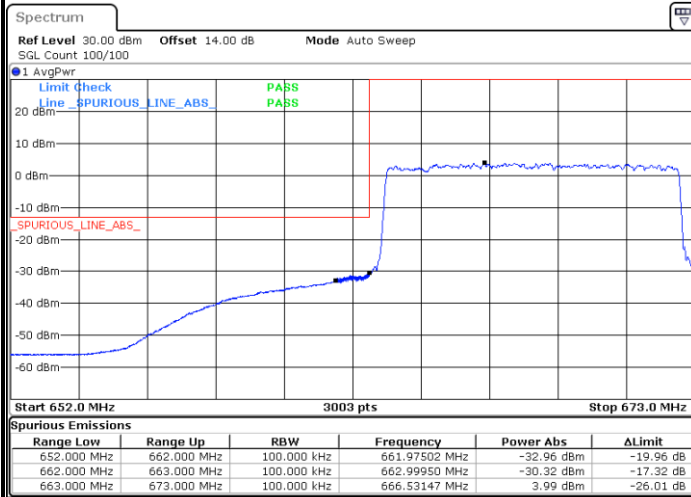
Lowest Band Edge / 1 RB



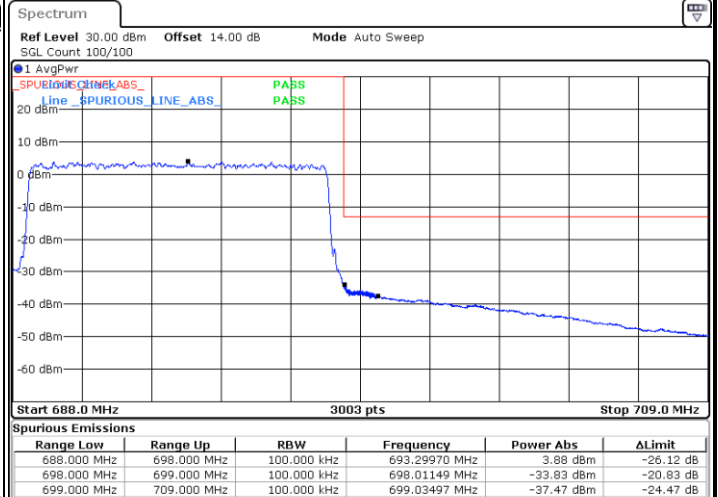
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



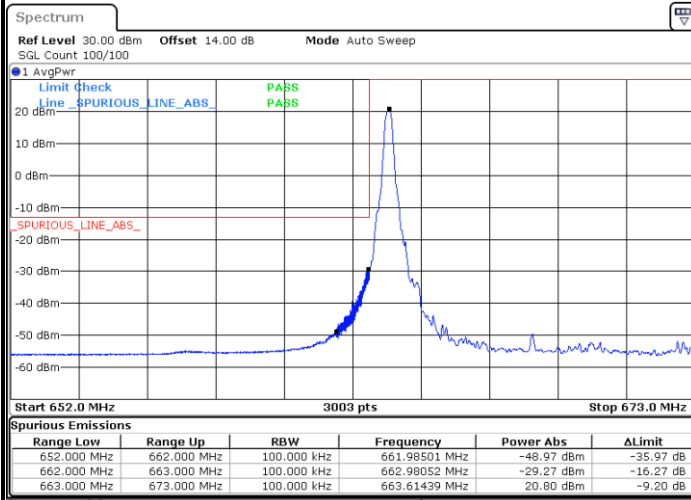
Highest Band Edge / Full RB



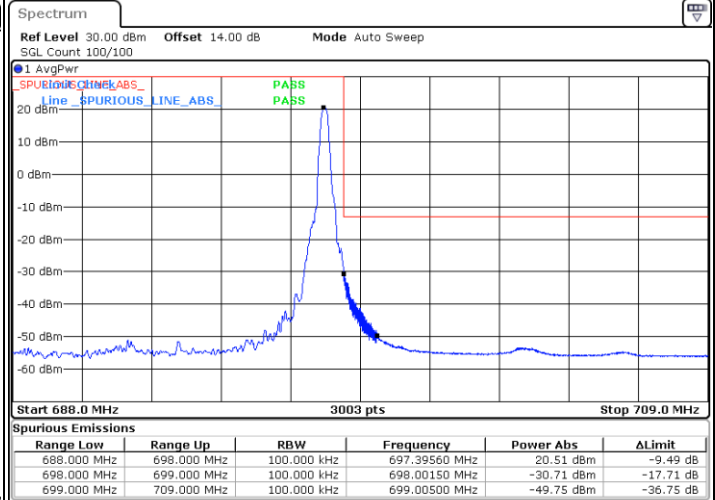


LTE Band 71 / 10MHz / 64QAM

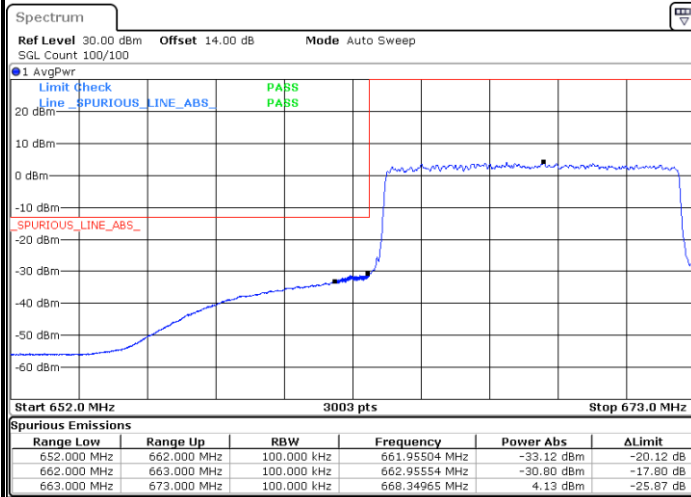
Lowest Band Edge / 1 RB



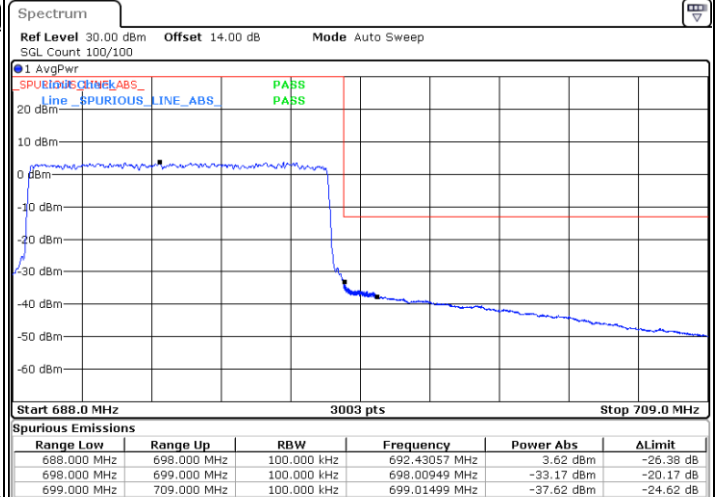
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



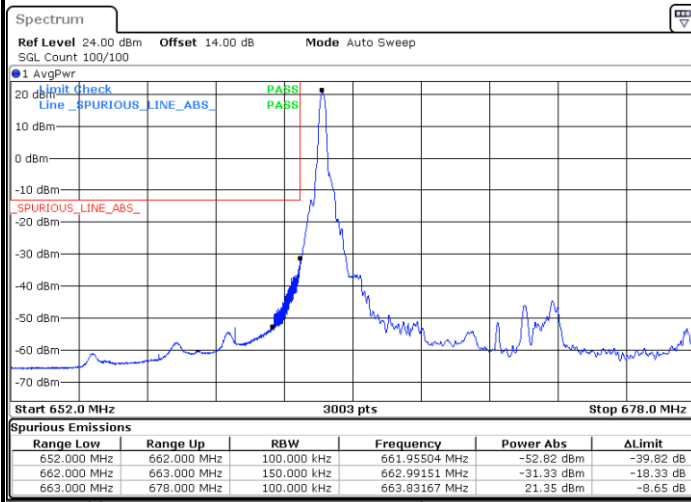
Highest Band Edge / Full RB



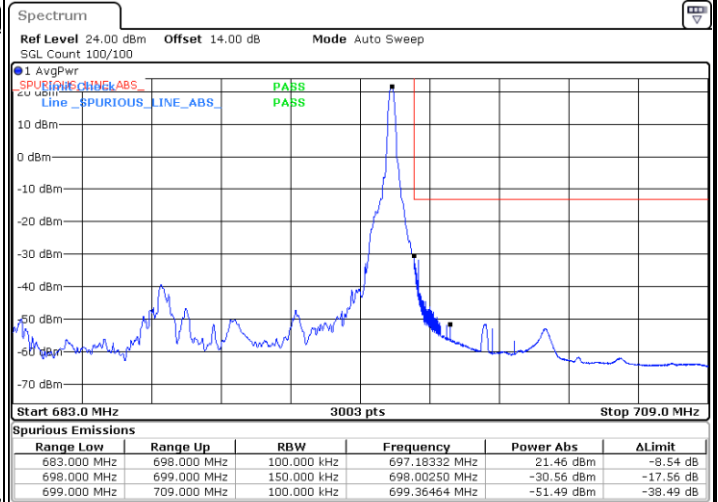


LTE Band 71 / 15MHz / QPSK

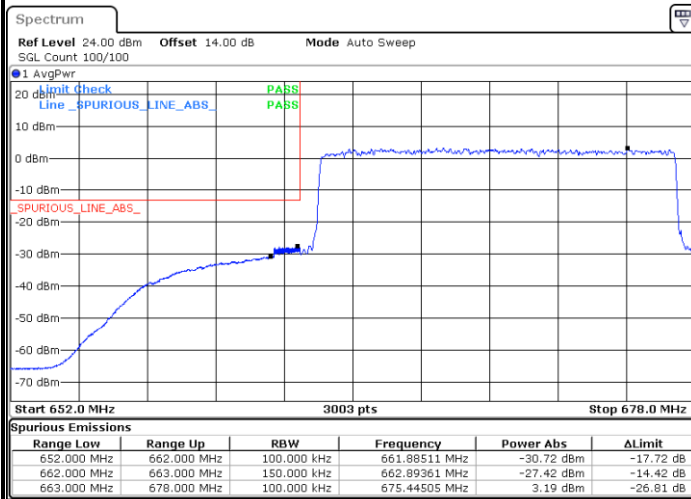
Lowest Band Edge / 1 RB



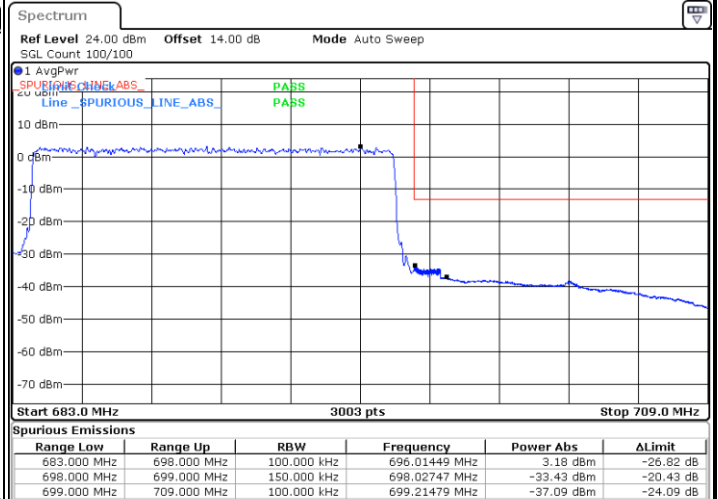
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



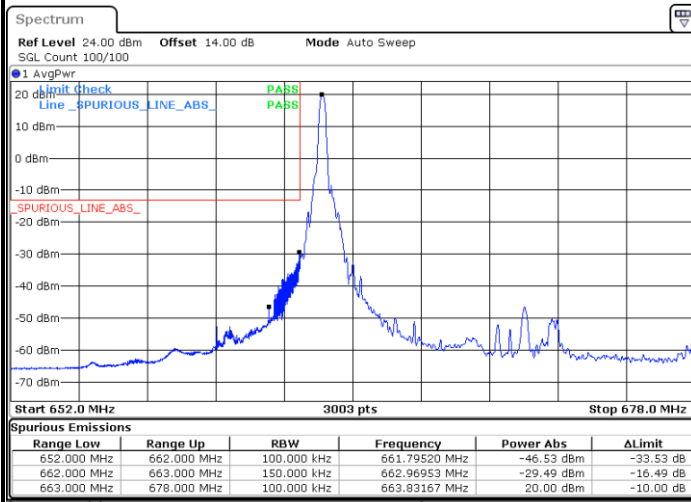
Highest Band Edge / Full RB



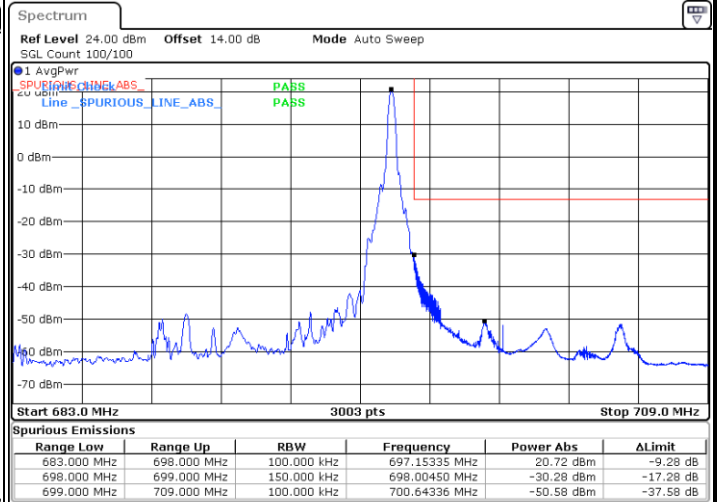


LTE Band 71 / 15MHz / 16QAM

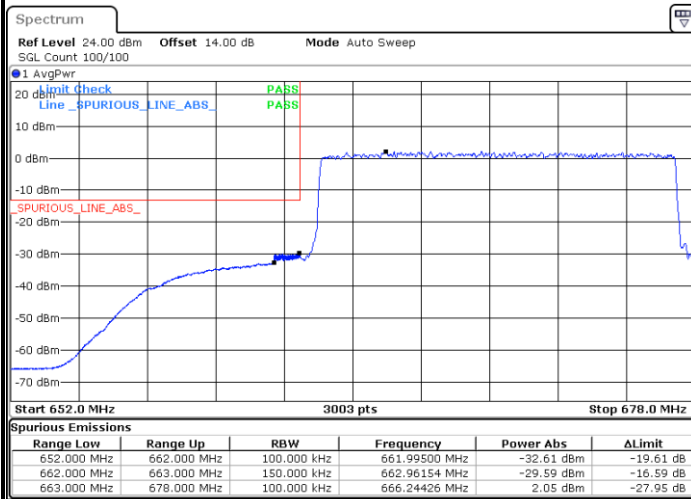
Lowest Band Edge / 1 RB



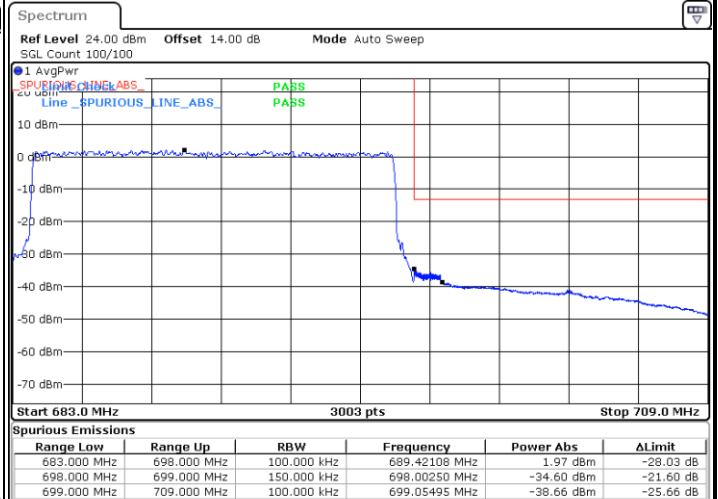
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



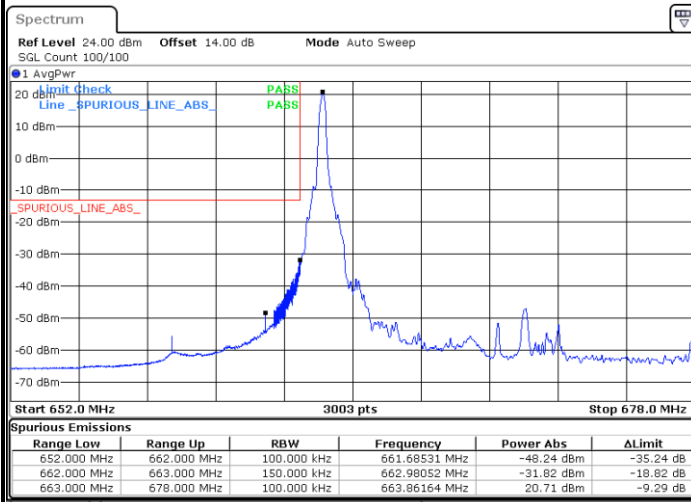
Highest Band Edge / Full RB



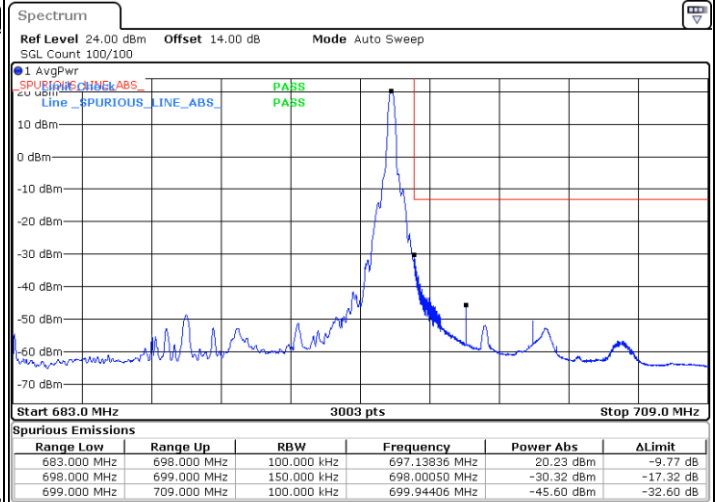


LTE Band 71 / 15MHz / 64QAM

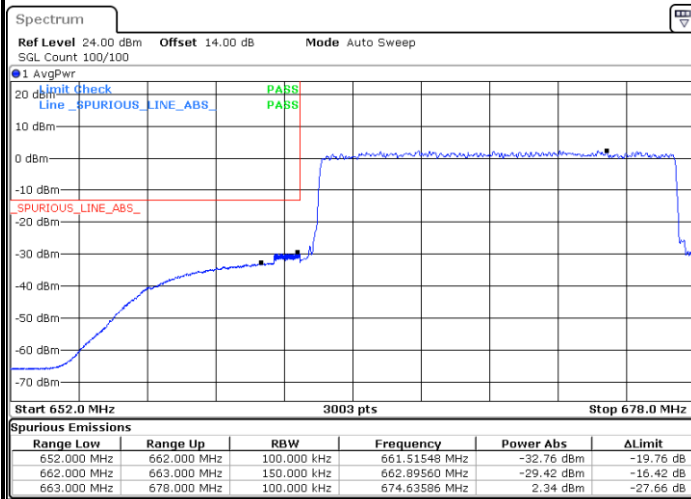
Lowest Band Edge / 1 RB



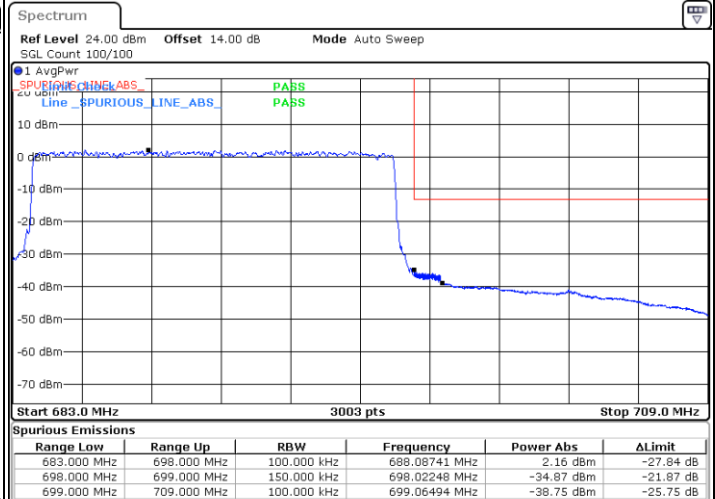
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



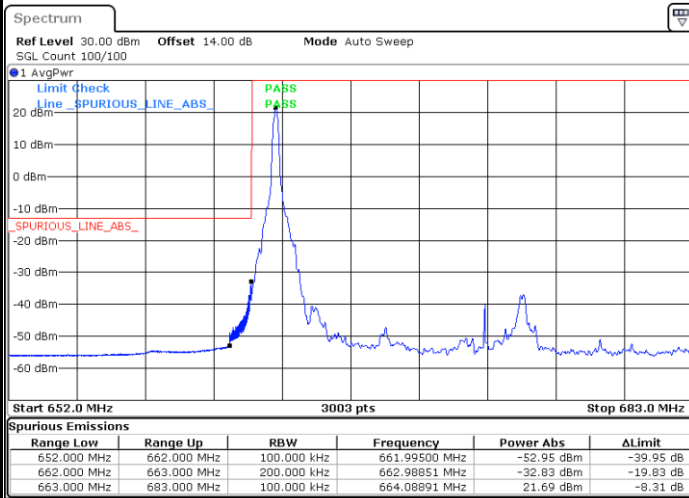
Highest Band Edge / Full RB



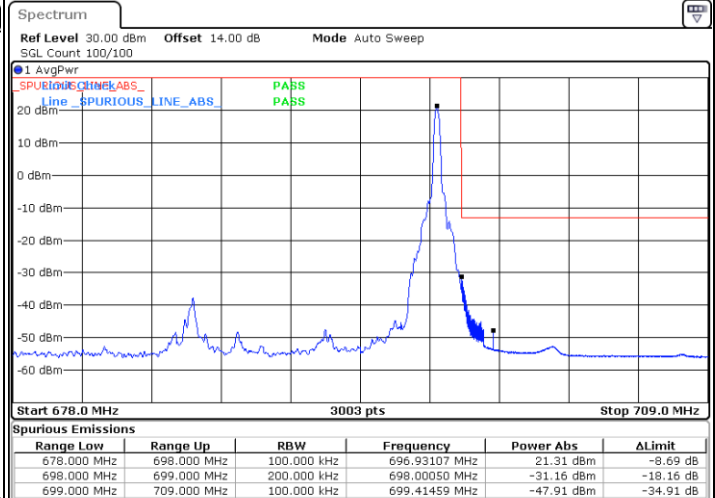


LTE Band 71 / 20MHz / QPSK

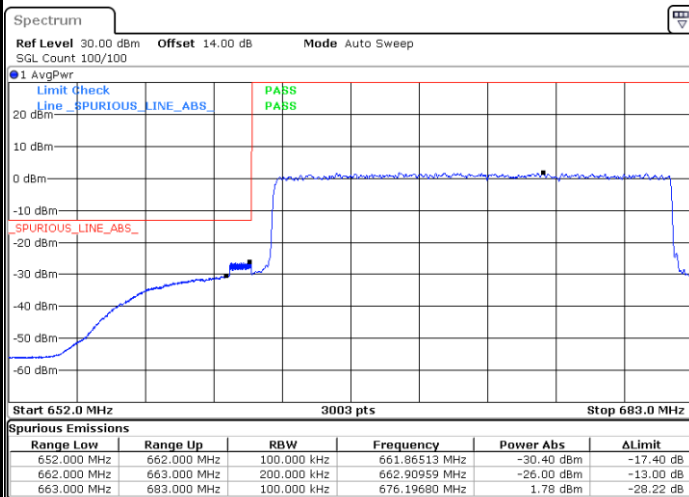
Lowest Band Edge / 1 RB



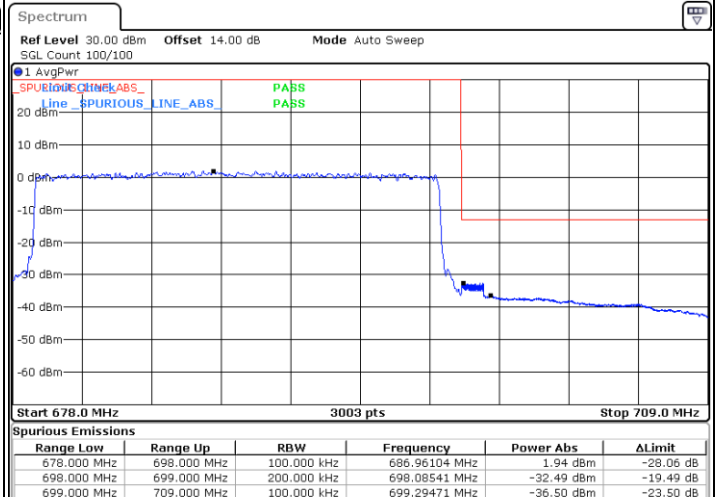
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



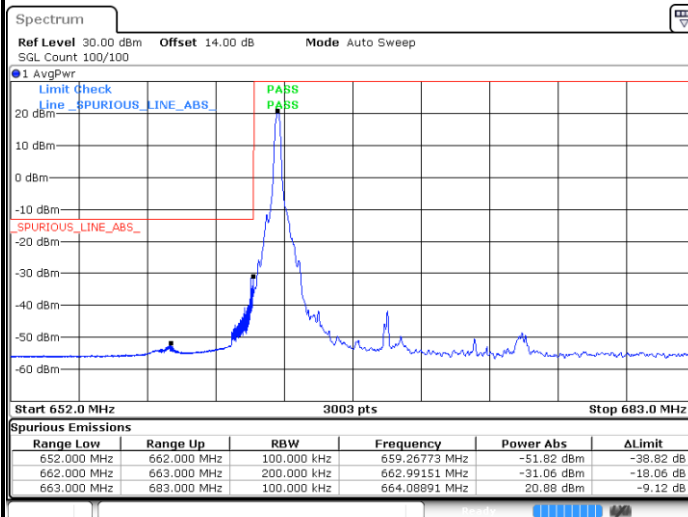
Highest Band Edge / Full RB



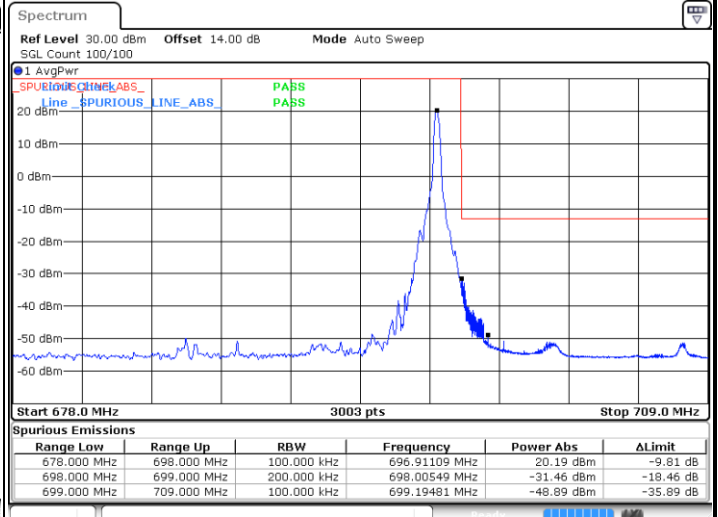


LTE Band 71 / 20MHz / 16QAM

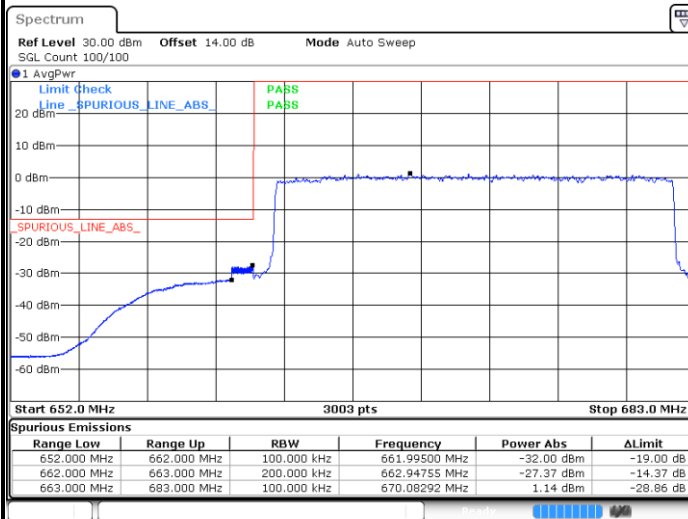
Lowest Band Edge / 1 RB



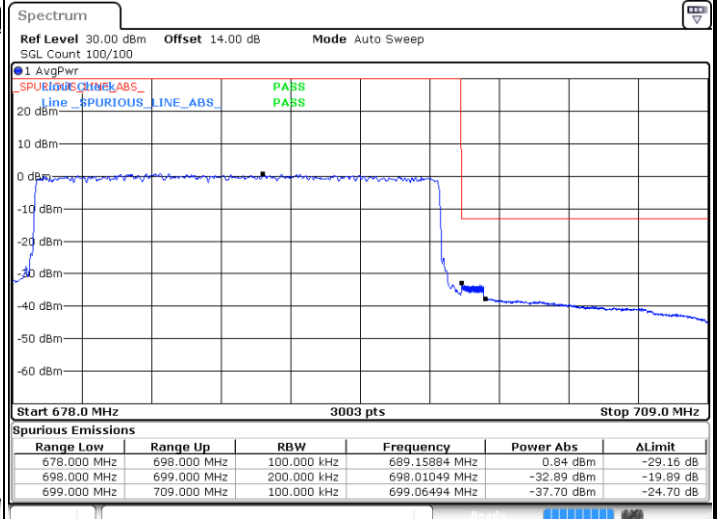
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



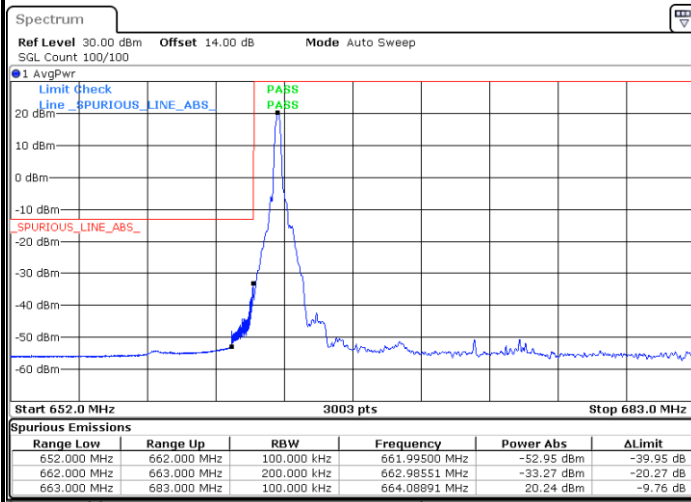
Highest Band Edge / Full RB



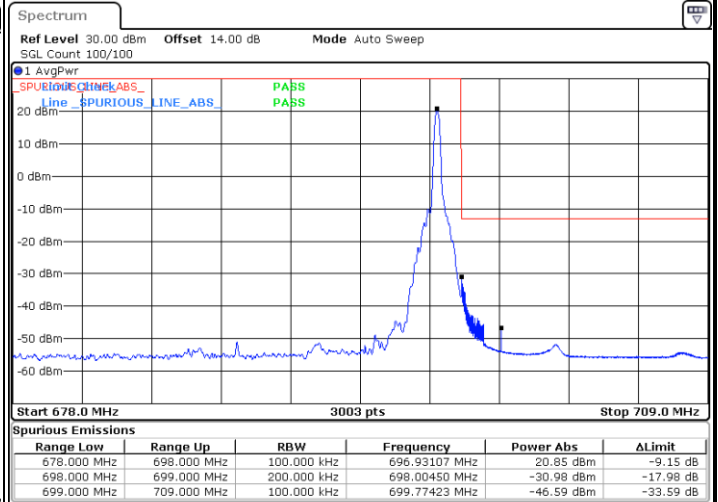


LTE Band 71 / 20MHz / 64QAM

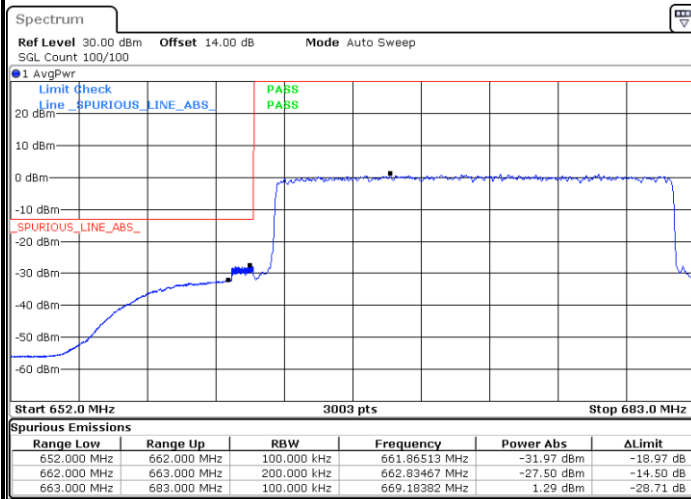
Lowest Band Edge / 1 RB



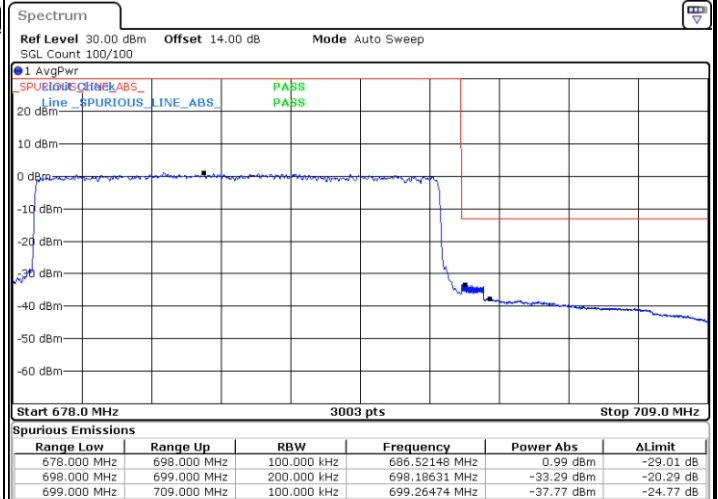
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

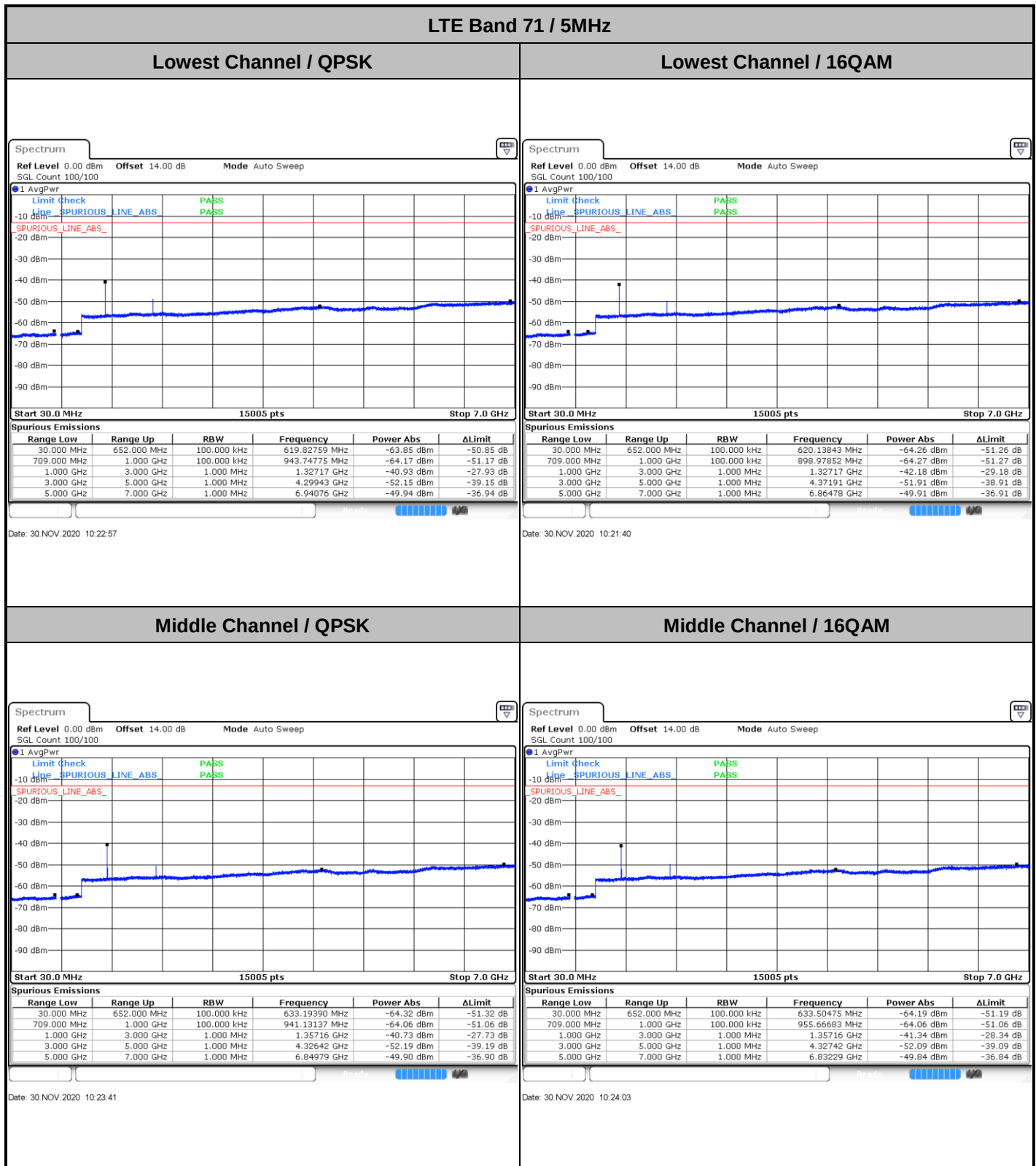


Highest Band Edge / Full RB





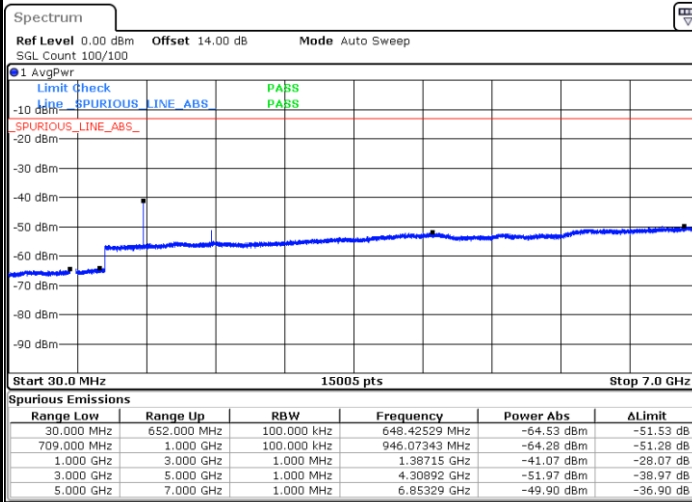
Conducted Spurious Emission





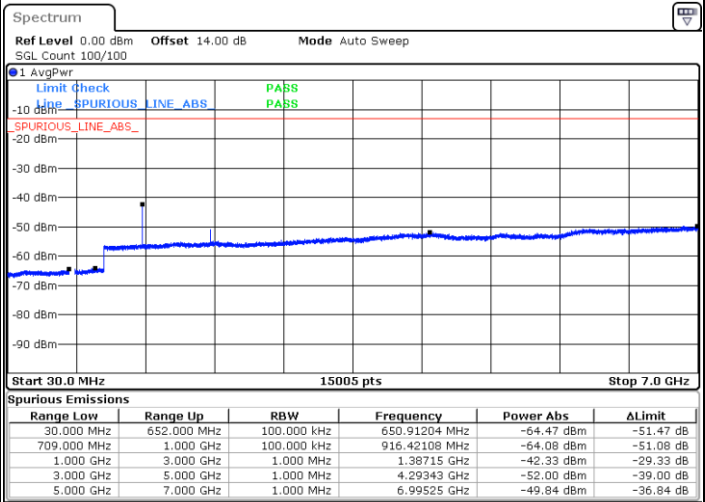
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 30 NOV 2020 10:31:47

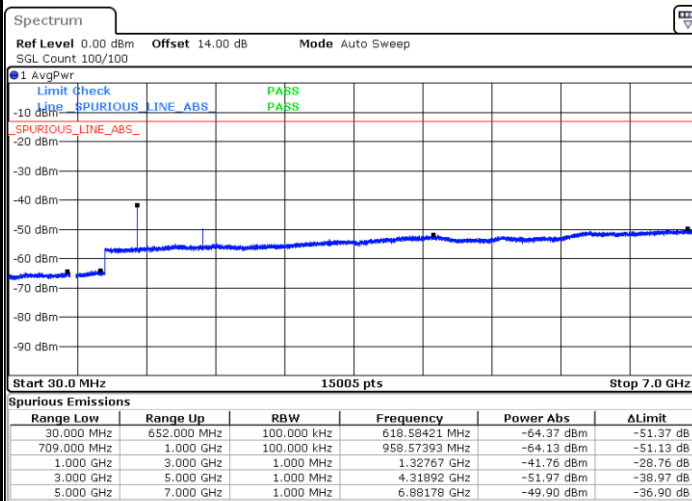
Highest Channel / 16QAM



Date: 30 NOV 2020 10:31:11

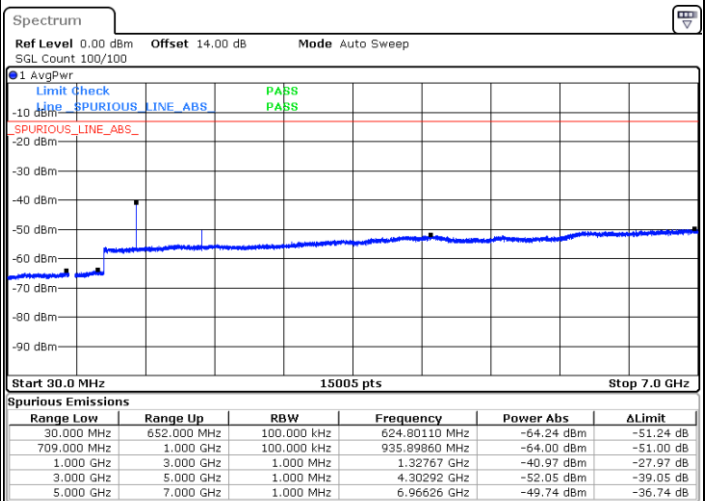
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 30 NOV 2020 10:39:16

Lowest Channel / 16QAM

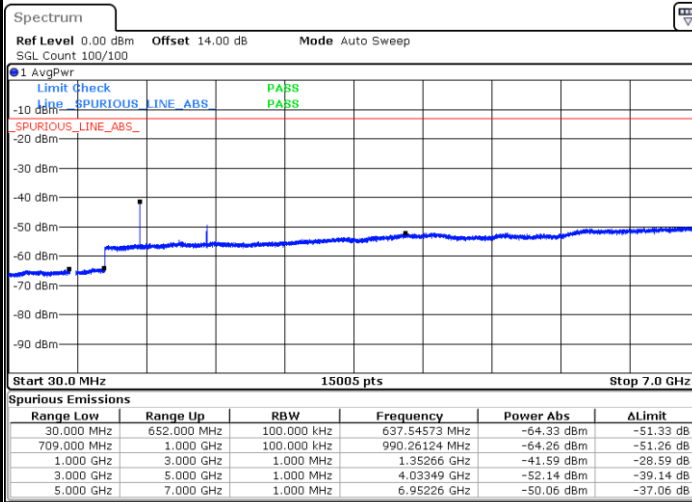


Date: 30 NOV 2020 10:38:54



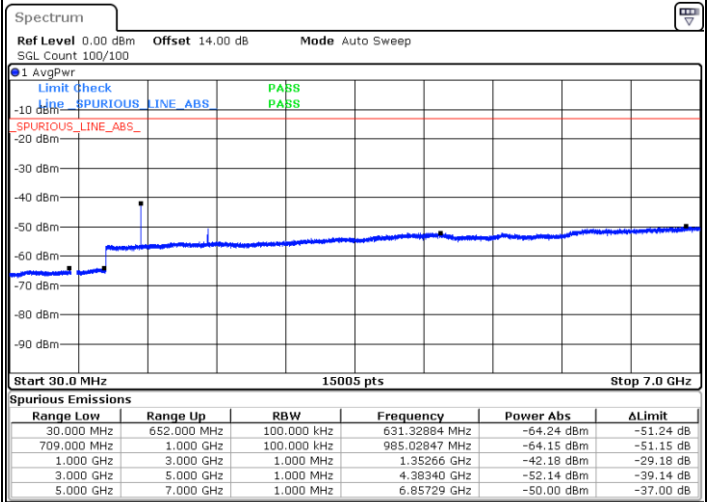
LTE Band 71 / 10MHz

Middle Channel / QPSK



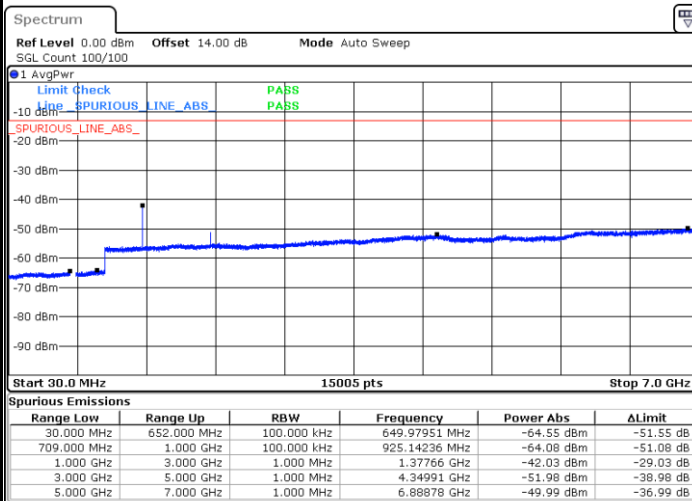
Date: 30 NOV 2020 10:39:57

Middle Channel / 16QAM



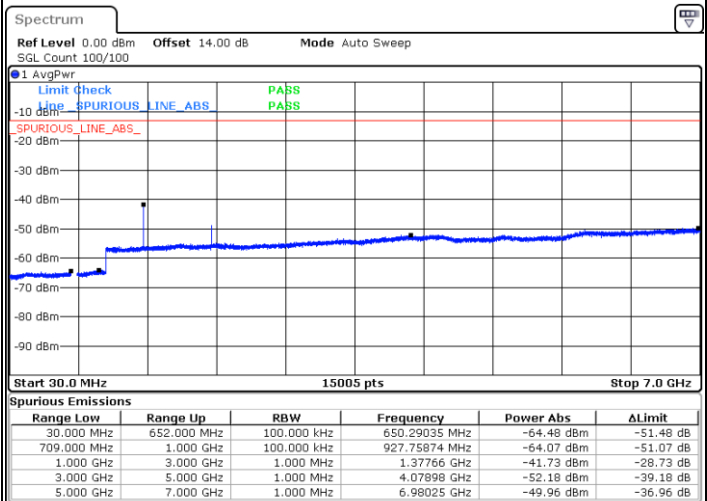
Date: 30 NOV 2020 10:40:24

Highest Channel / QPSK



Date: 30 NOV 2020 10:47:29

Highest Channel / 16QAM

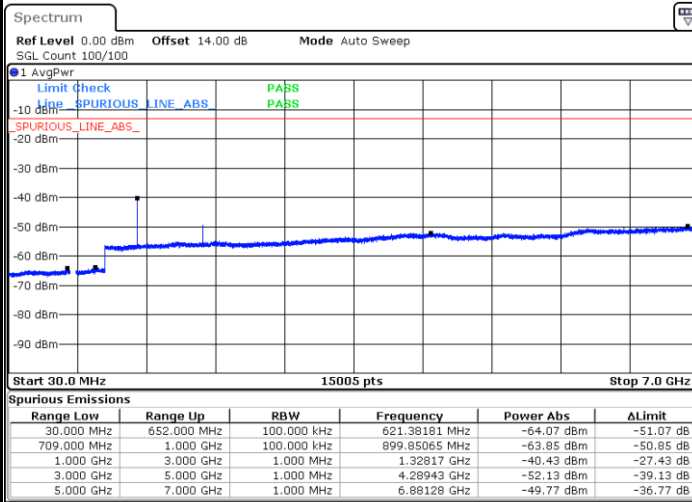


Date: 30 NOV 2020 10:46:30



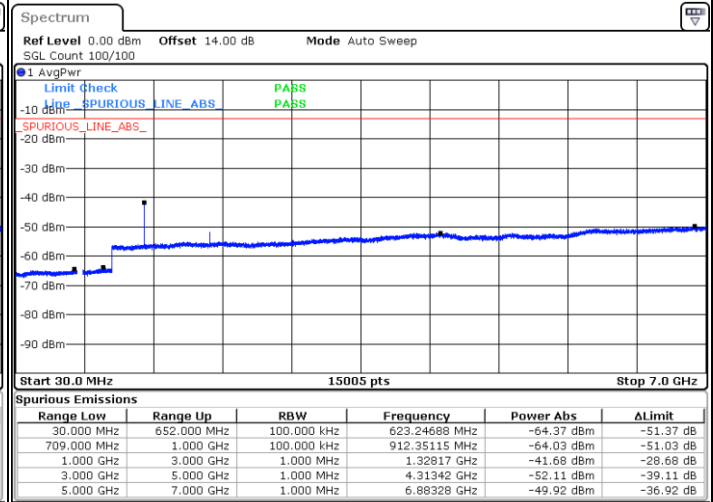
LTE Band 71 / 15MHz

Lowest Channel / QPSK



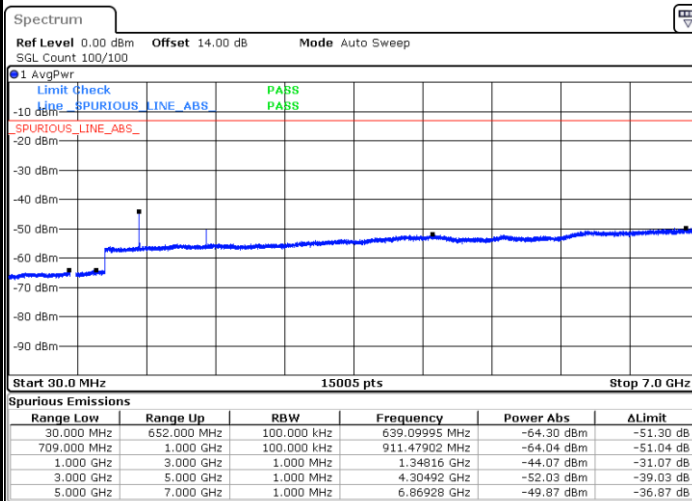
Date: 30 NOV 2020 10:59:49

Lowest Channel / 16QAM



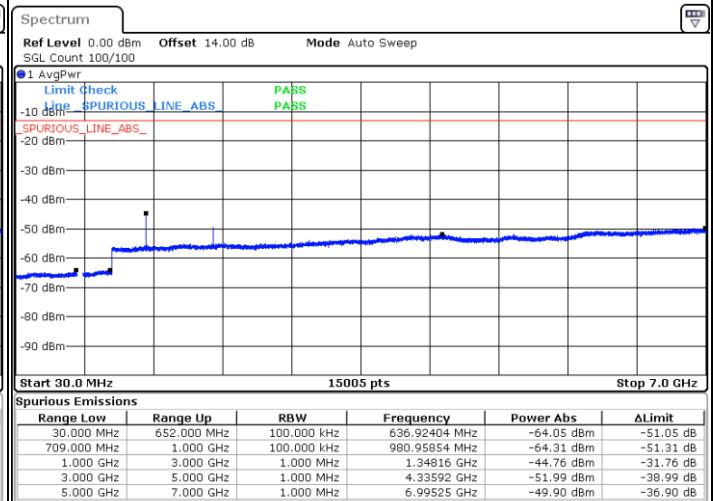
Date: 30 NOV 2020 11:00:11

Middle Channel / QPSK



Date: 30 NOV 2020 11:05:11

Middle Channel / 16QAM

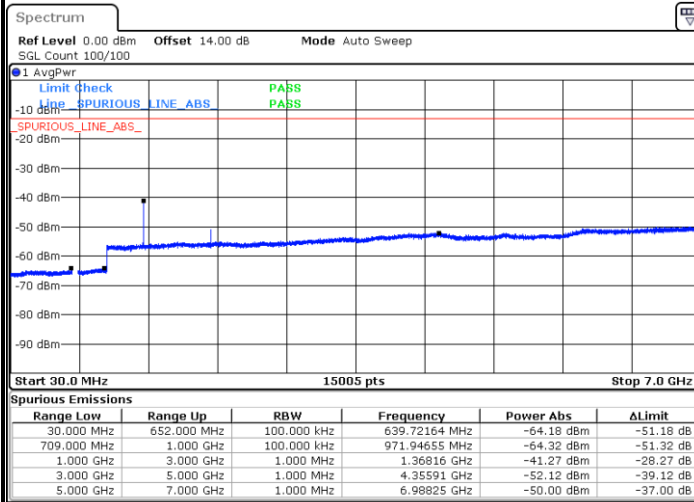


Date: 30 NOV 2020 11:05:35



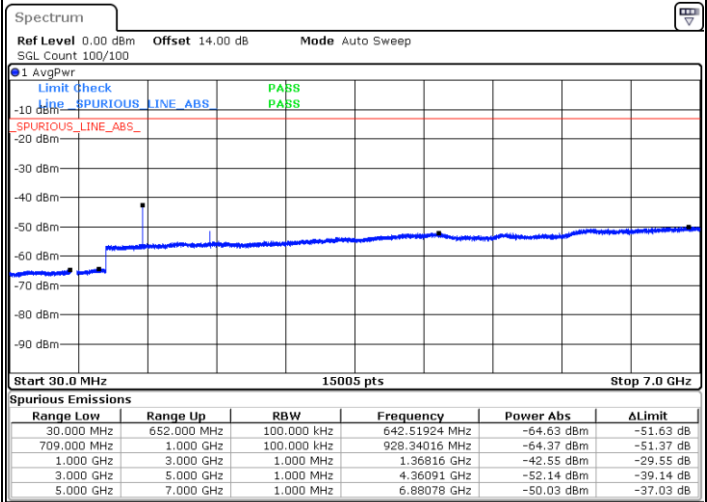
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 30 NOV 2020 11:13:00

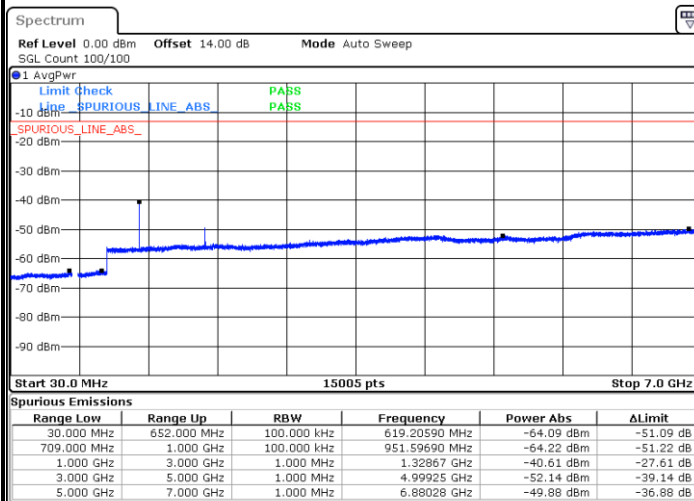
Highest Channel / 16QAM



Date: 30 NOV 2020 11:12:36

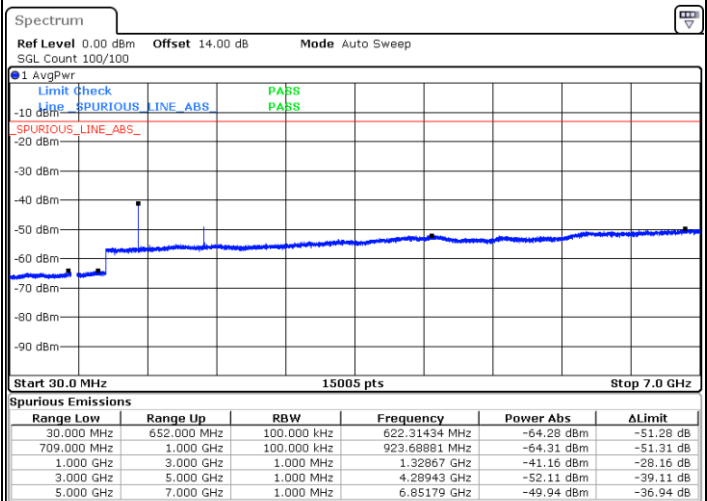
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 30 NOV 2020 11:30:04

Lowest Channel / 16QAM

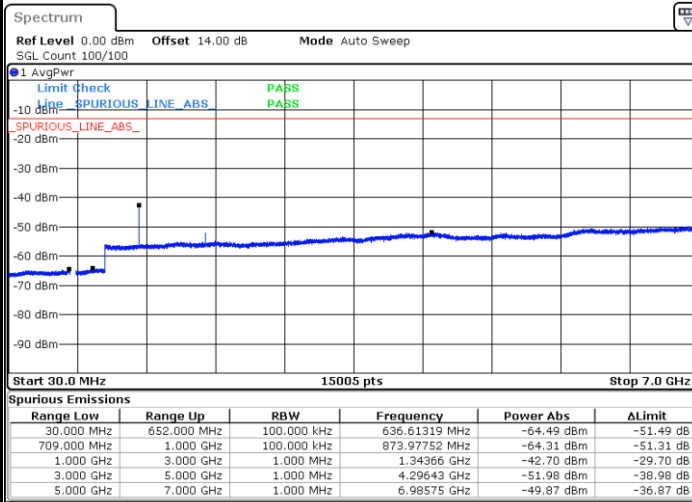


Date: 30 NOV 2020 11:29:45



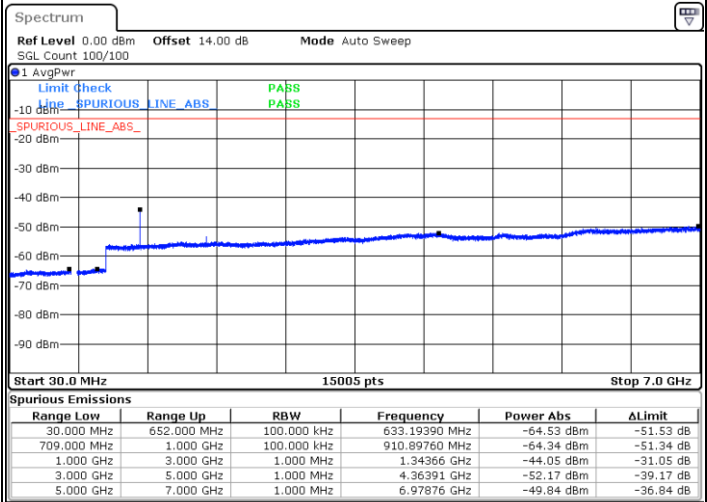
LTE Band 71 / 20MHz

Middle Channel / QPSK



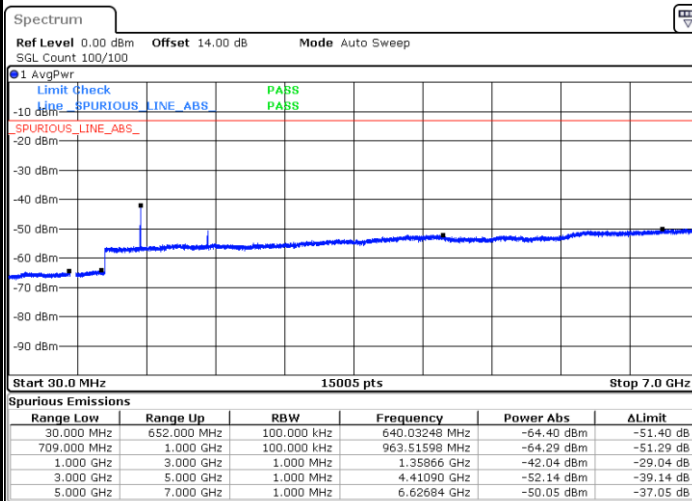
Date: 30 NOV 2020 11:35:01

Middle Channel / 16QAM



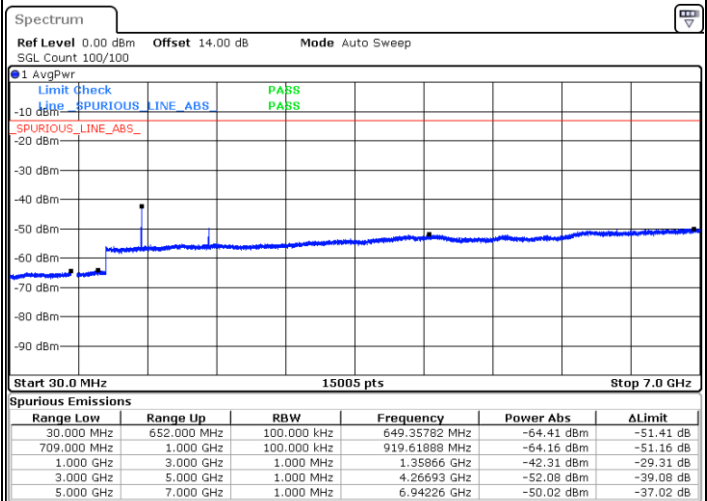
Date: 30 NOV 2020 11:34:31

Highest Channel / QPSK



Date: 30 NOV 2020 11:40:36

Highest Channel / 16QAM

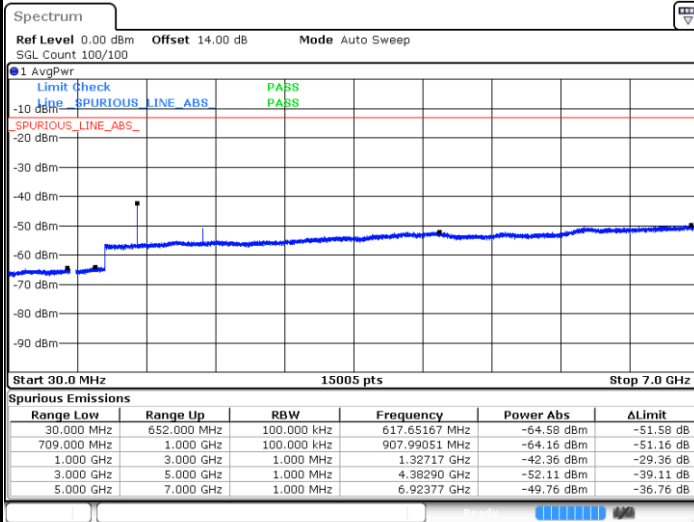


Date: 30 NOV 2020 11:40:58



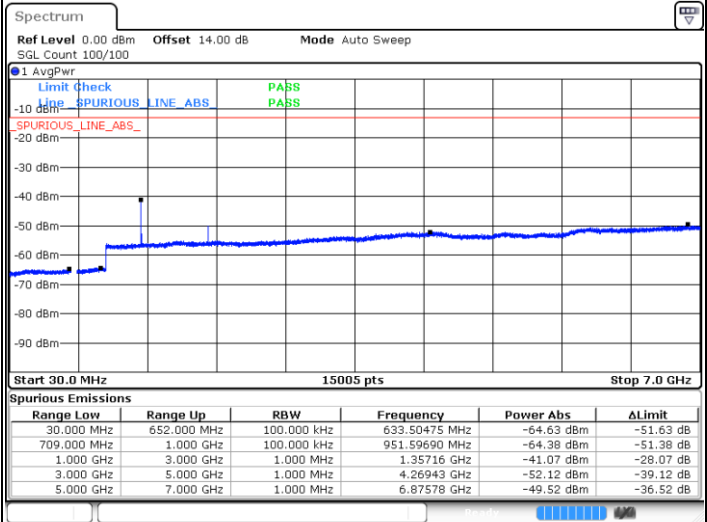
LTE Band 71 / 5MHz

Lowest Channel / 64QAM



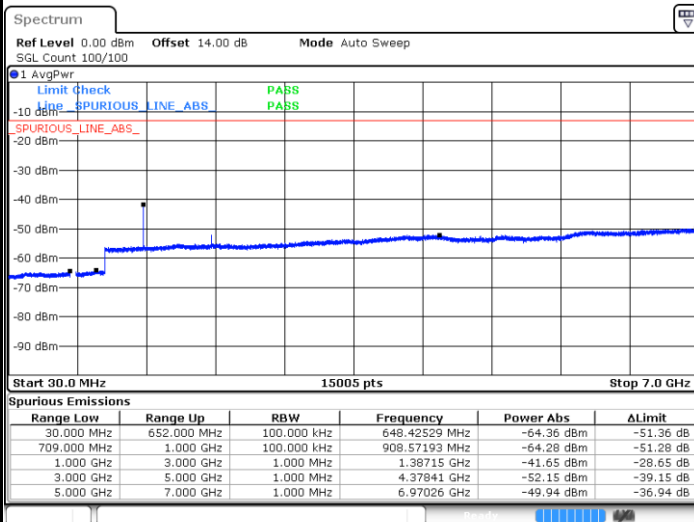
Date: 30 NOV 2020 10:20:38

Middle Channel / 64QAM



Date: 30 NOV 2020 10:24:27

Highest Channel / 64QAM

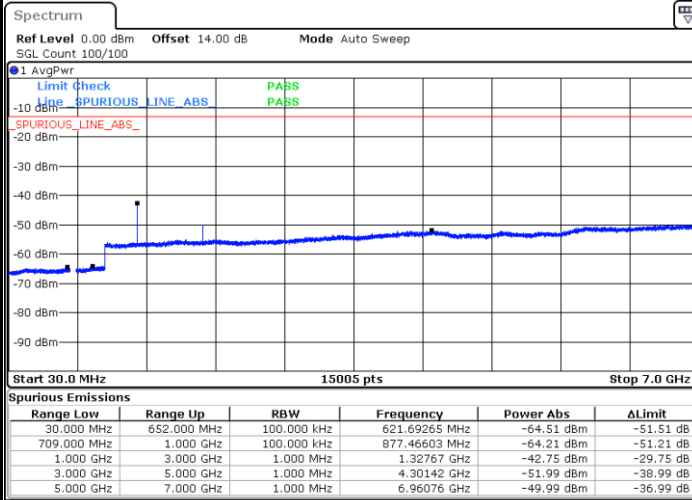


Date: 30 NOV 2020 10:30:36



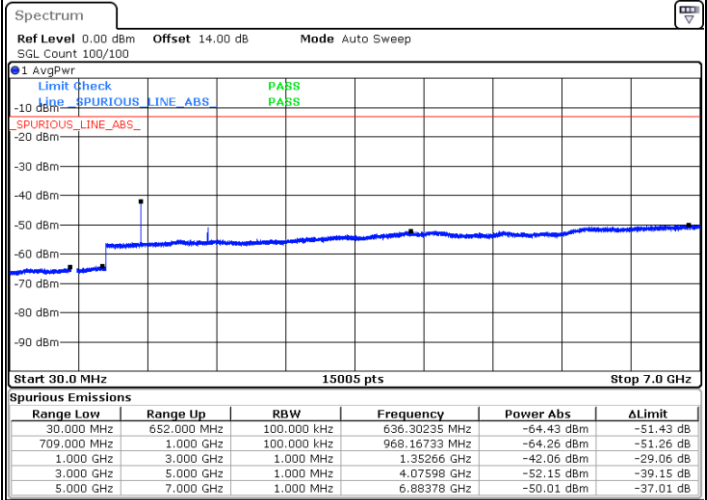
LTE Band 71 / 10MHz

Lowest Channel / 64QAM



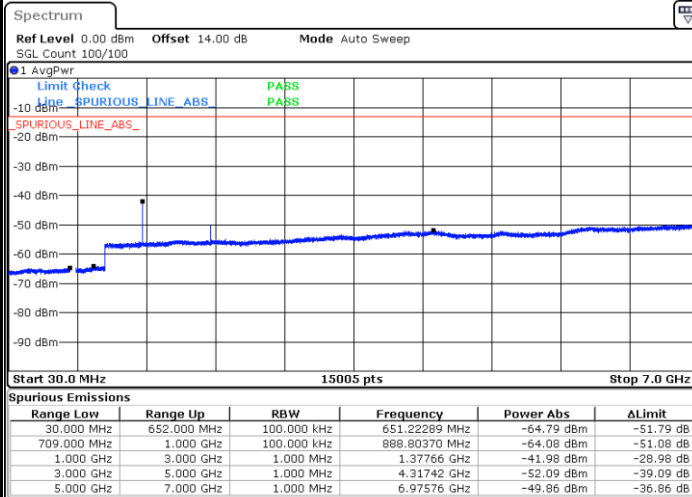
Date: 30 NOV 2020 10:38:30

Middle Channel / 64QAM



Date: 30 NOV 2020 10:40:46

Highest Channel / 64QAM

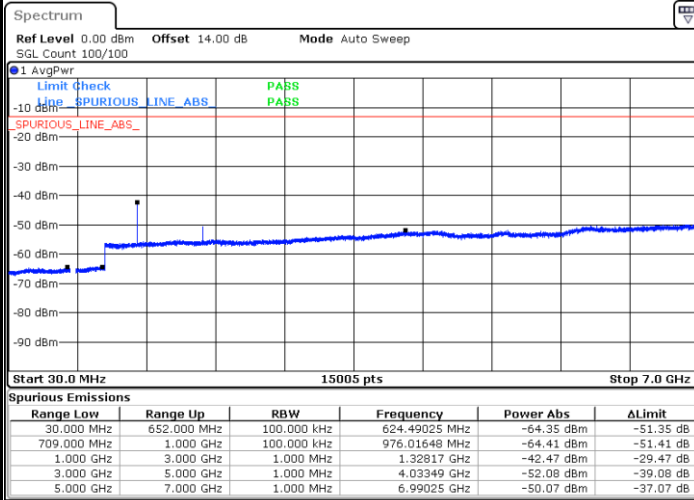


Date: 30 NOV 2020 10:46:06



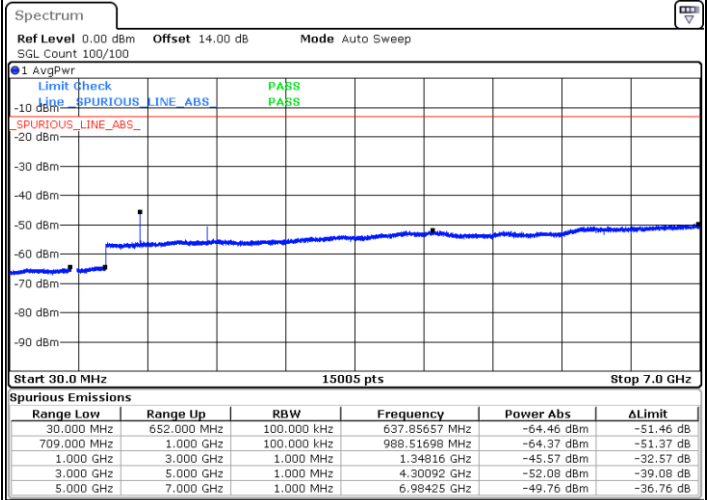
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



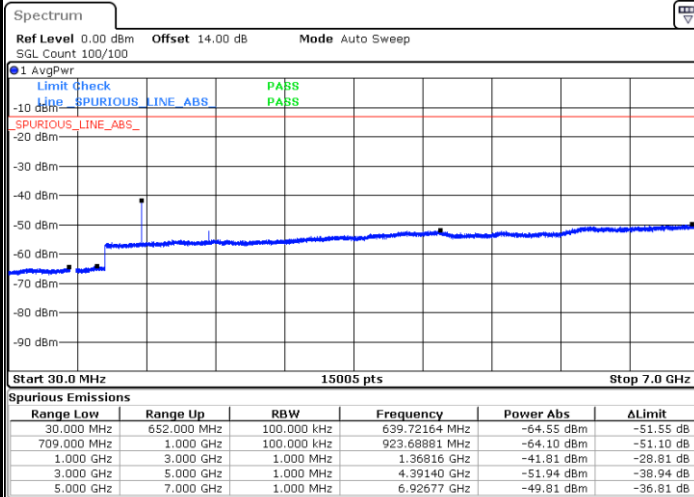
Date: 30 NOV 2020 11:16:24

Middle Channel / 64QAM



Date: 30 NOV 2020 11:06:19

Highest Channel / 64QAM

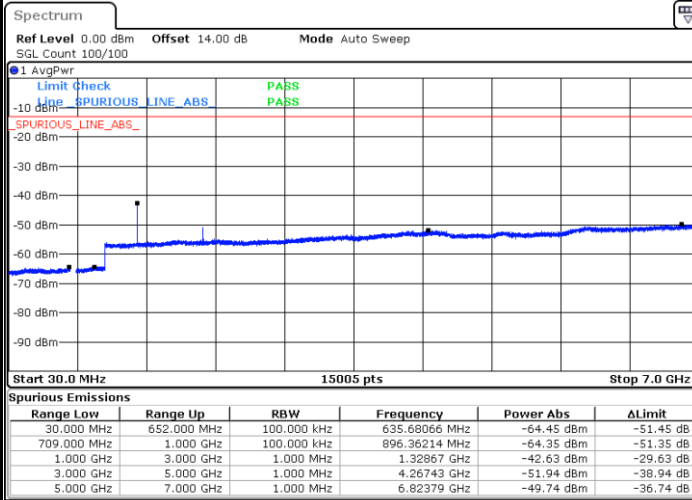


Date: 30 NOV 2020 11:12:13



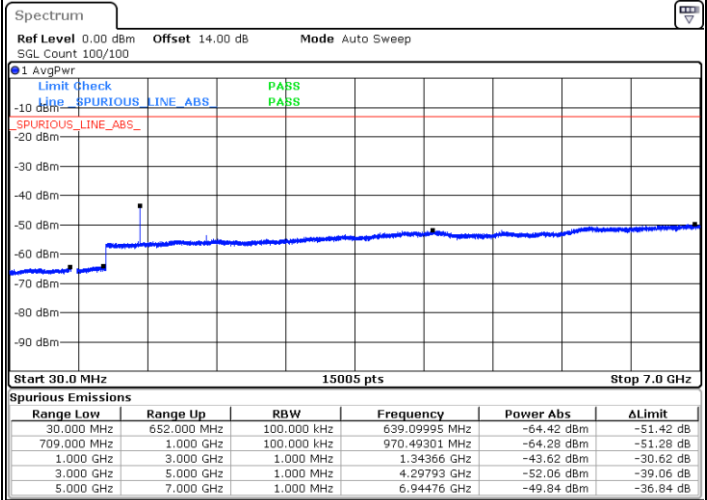
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



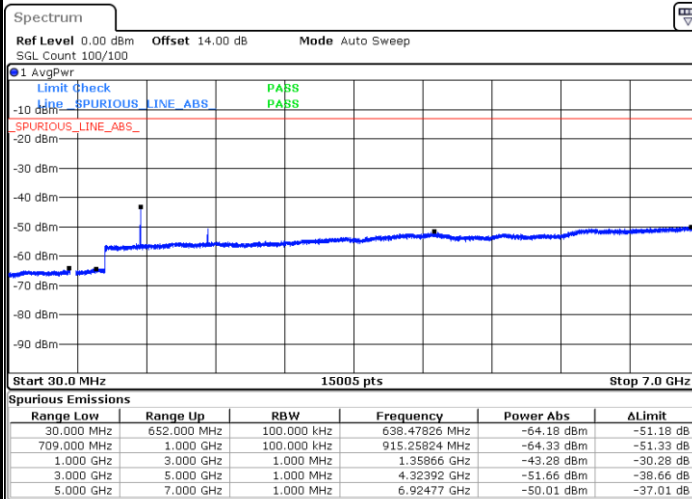
Date: 30 NOV 2020 11:28:02

Middle Channel / 64QAM



Date: 30 NOV 2020 11:34:10

Highest Channel / 64QAM



Date: 30 NOV 2020 11:41:17

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	0.0029	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0239	
-10	Normal Voltage	0.0198	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

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)
Lowest	5052.18	-58.61	-25	-33.61	-78.45	-64.17	7.14	12.70	H
	7578.27	-54.19	-25	-29.19	-78.72	-57.49	8.30	11.60	H
	10104.36	-49.75	-25	-24.75	-79.68	-51.27	10.48	12.00	H
	5052.18	-58.38	-25	-33.38	-78.34	-63.94	7.14	12.70	V
	7578.27	-54.15	-25	-29.15	-78.64	-57.45	8.30	11.60	V
	10104.36	-50.81	-25	-25.81	-79.34	-52.33	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)
Lowest	5168.18	-59.18	-25	-34.18	-78.68	-64.74	7.14	12.70	H
	7752.27	-53.84	-25	-28.84	-78.68	-57.14	8.30	11.60	H
	10336.36	-50.21	-25	-25.21	-80.14	-51.73	10.48	12.00	H
	5168.18	-58.64	-25	-33.64	-78.41	-64.20	7.14	12.70	V
	7752.27	-53.77	-25	-28.77	-78.46	-57.07	8.30	11.60	V
	10336.36	-51.01	-25	-26.01	-80.03	-52.53	10.48	12.00	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)
Lowest	1343	-59.84	-13	-46.84	-69.31	-63.01	4.10	9.42	H
	2014.5	-53.05	-13	-40.05	-64.42	-56.63	4.90	10.63	H
	2686	-61.23	-13	-48.23	-76.38	-66.15	5.55	12.62	H
	1343	-60.03	-13	-47.03	-69.11	-63.20	4.10	9.42	V
	2014.5	-57.84	-13	-44.84	-69.10	-61.42	4.90	10.63	V
	2686	-61.24	-13	-48.24	-76.43	-66.16	5.55	12.62	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)
Lowest	5186.00	-56.90	-25	-31.90	-79.52	-62.46	7.14	12.70	H
	7779.00	-52.29	-25	-27.29	-79.47	-55.59	8.30	11.60	H
	10372.00	-48.37	-25	-23.37	-80.43	-49.89	10.48	12.00	H
	5186.00	-56.36	-25	-31.36	-79.27	-61.92	7.14	12.70	V
	7779.00	-52.32	-25	-27.32	-79.33	-55.62	8.30	11.60	V
	10372.00	-48.90	-25	-23.90	-80.13	-50.42	10.48	12.00	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)
Lowest	5052.18	-58.48	-25	-33.48	-78.32	-64.04	7.14	12.70	H
	7578.27	-54.45	-25	-29.45	-78.98	-57.75	8.30	11.60	H
	10104.36	-49.73	-25	-24.73	-79.66	-51.25	10.48	12.00	H
	5052.18	-58.49	-25	-33.49	-78.45	-64.05	7.14	12.70	V
	7578.27	-54.19	-25	-29.19	-78.68	-57.49	8.30	11.60	V
	10104.36	-51.00	-25	-26.00	-79.53	-52.52	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)
Lowest	5168.18	-59.19	-25	-34.19	-78.69	-64.75	7.14	12.70	H
	7752.27	-53.72	-25	-28.72	-78.56	-57.02	8.30	11.60	H
	10336.36	-50.21	-25	-25.21	-80.14	-51.73	10.48	12.00	H
	5168.18	-58.78	-25	-33.78	-78.55	-64.34	7.14	12.70	V
	7752.27	-53.97	-25	-28.97	-78.66	-57.27	8.30	11.60	V
	10336.36	-51.13	-25	-26.13	-80.15	-52.65	10.48	12.00	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)
Lowest	1343	-63.40	-13	-50.40	-72.69	-66.57	4.10	9.42	H
	2014.5	-63.47	-13	-50.47	-74.82	-67.05	4.90	10.63	H
	2686	-61.43	-13	-48.43	-76.48	-66.35	5.55	12.62	H
	1343	-63.82	-13	-50.82	-72.74	-66.99	4.10	9.42	V
	2014.5	-63.59	-13	-50.59	-74.83	-67.17	4.90	10.63	V
	2686	-61.21	-13	-48.21	-76.28	-66.13	5.55	12.62	V

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

LTE Band 41C_CA / 20MHz + 20MHz / 16QAM									
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)
Lowest	5186.00	-56.86	-25	-31.86	-79.48	-62.42	7.14	12.70	H
	7779.00	-52.29	-25	-27.29	-79.47	-55.59	8.30	11.60	H
	10372.00	-48.14	-25	-23.14	-80.20	-49.66	10.48	12.00	H
	5186.00	-56.76	-25	-31.76	-79.67	-62.32	7.14	12.70	V
	7779.00	-52.52	-25	-27.52	-79.53	-55.82	8.30	11.60	V
	10372.00	-49.10	-25	-24.10	-80.33	-50.62	10.48	12.00	V

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