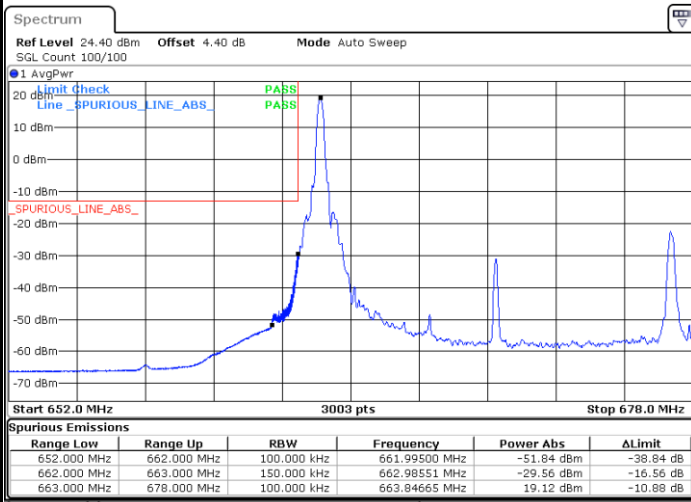




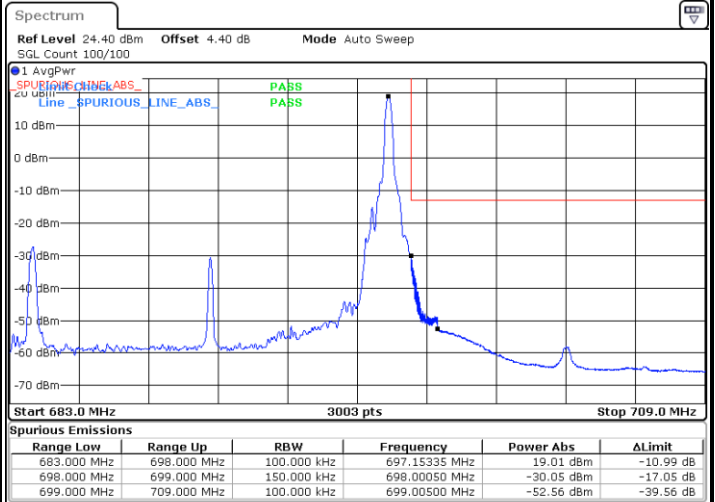
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



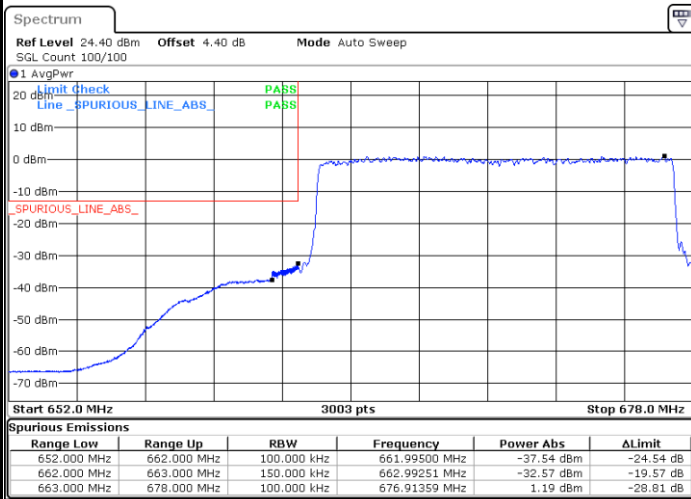
Date: 9 JUN 2020 16:45:23

Highest Band Edge / 1 RB



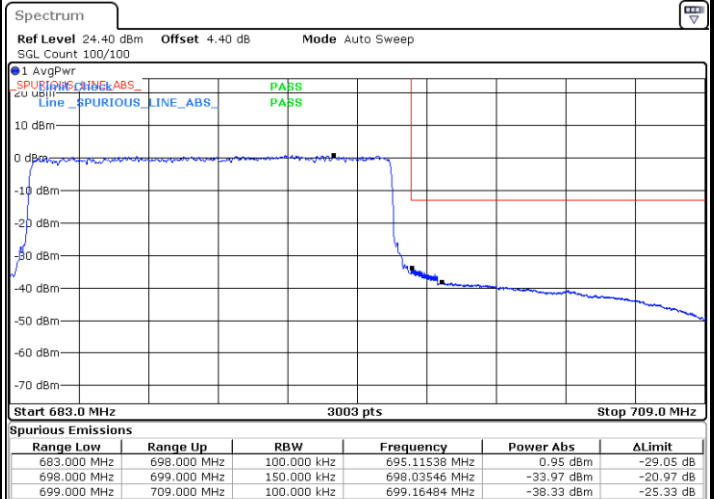
Date: 9 JUN 2020 17:10:21

Lowest Band Edge / Full RB



Date: 9 JUN 2020 16:48:17

Highest Band Edge / Full RB

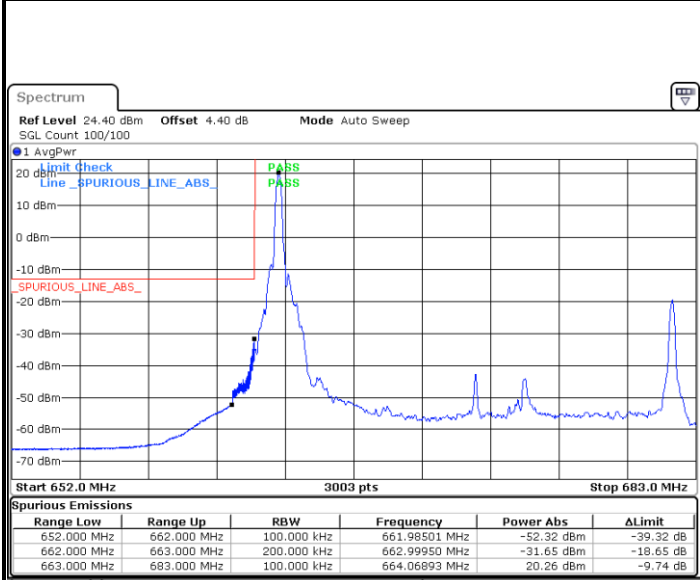


Date: 9 JUN 2020 16:57:13



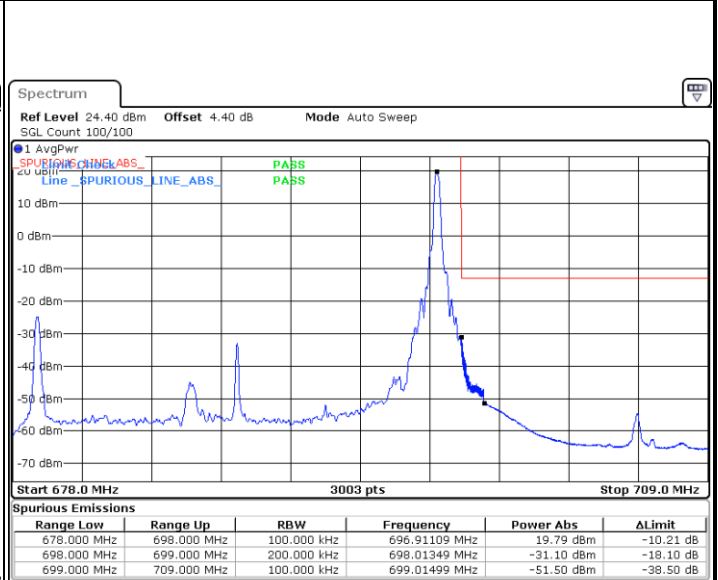
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



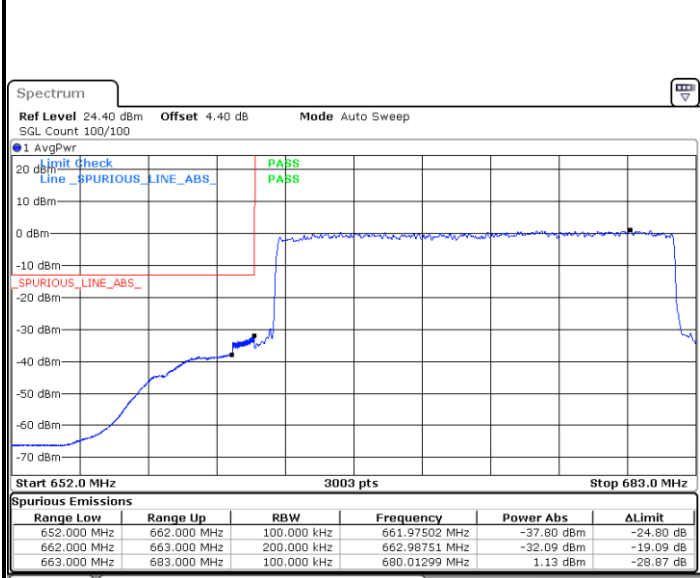
Date: 9 JUN 2020 17:16:36

Highest Band Edge / 1 RB



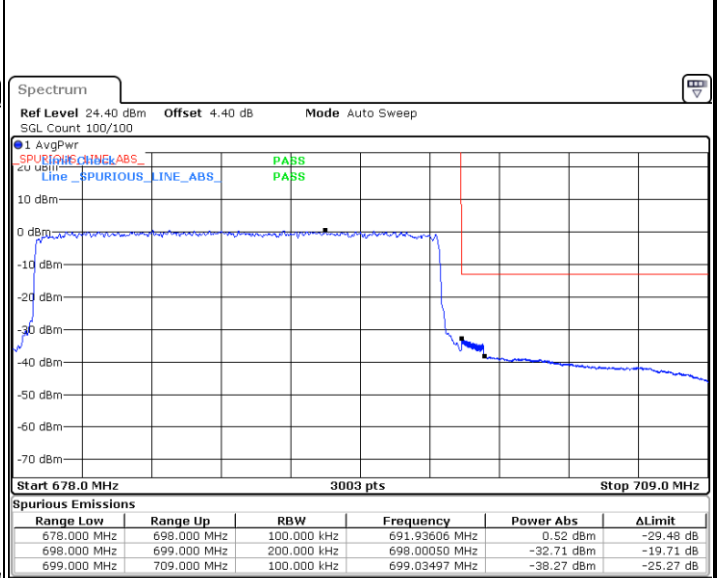
Date: 9 JUN 2020 17:29:19

Lowest Band Edge / Full RB



Date: 9 JUN 2020 17:21:23

Highest Band Edge / Full RB

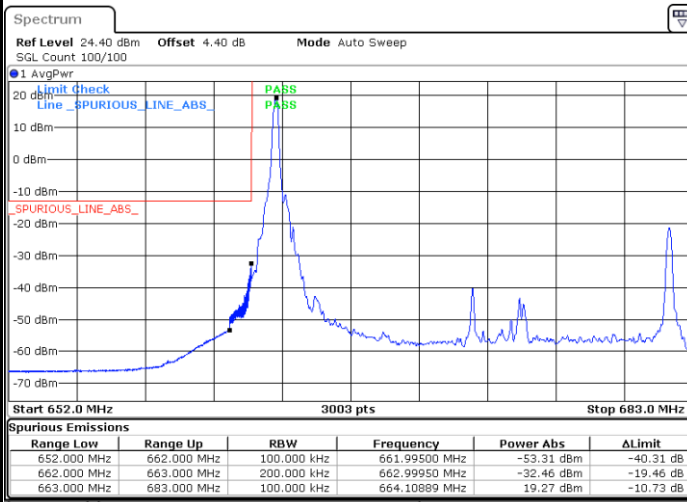


Date: 9 JUN 2020 17:24:30



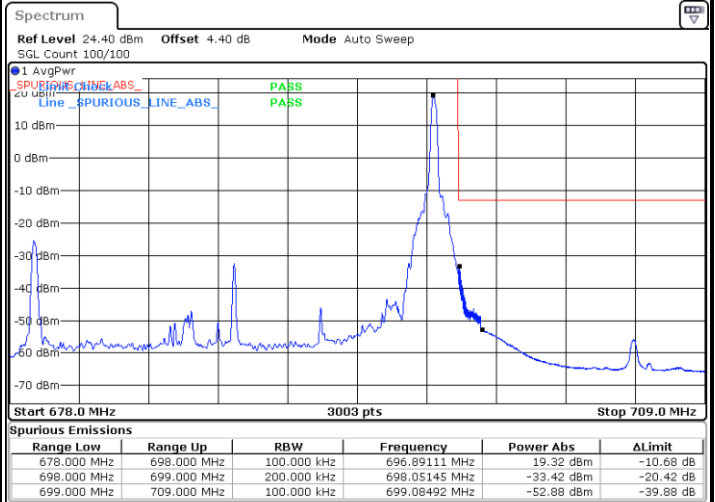
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



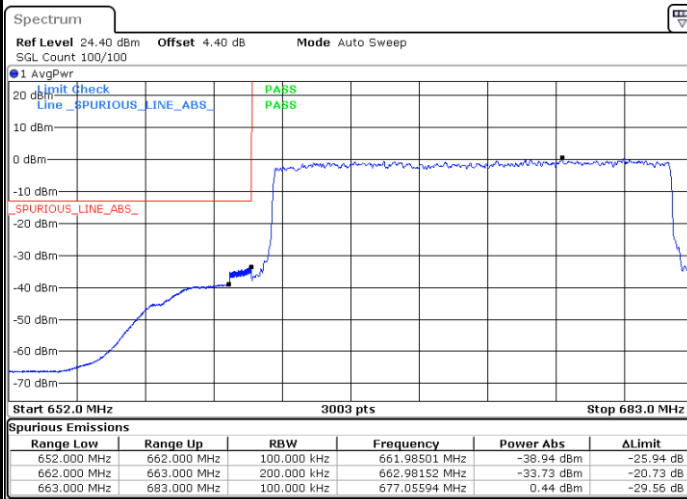
Date: 9 JUN 2020 17:18:49

Highest Band Edge / 1RB



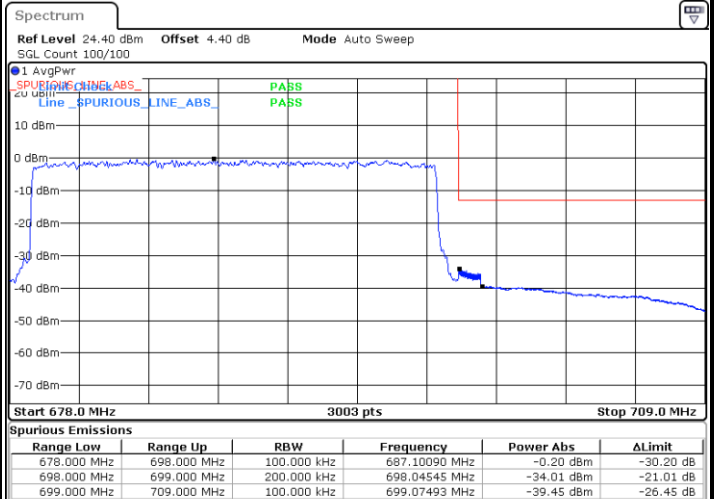
Date: 9 JUN 2020 17:30:09

Lowest Band Edge / Full RB



Date: 9 JUN 2020 17:22:11

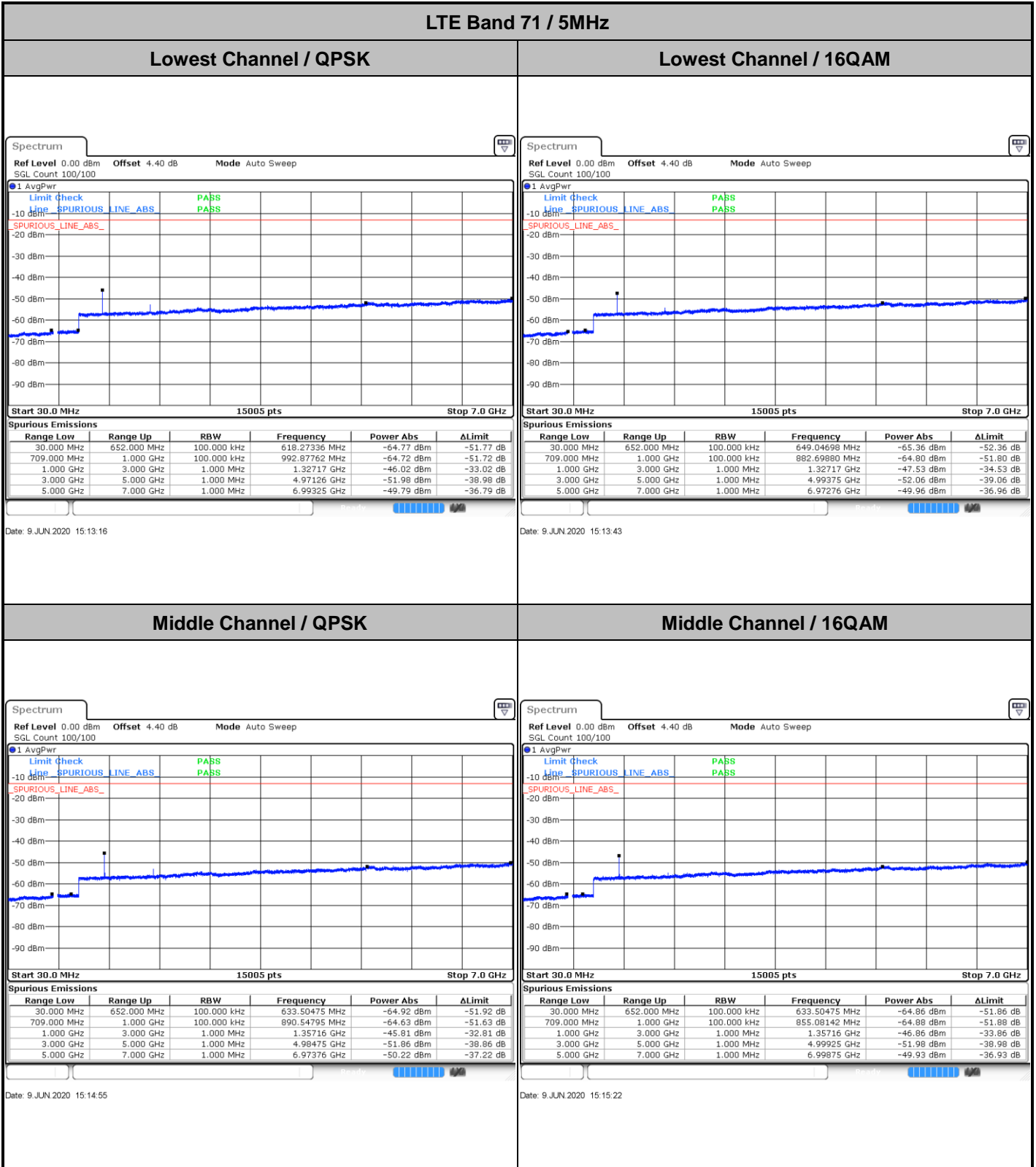
Highest Band Edge / Full RB



Date: 9 JUN 2020 17:26:03



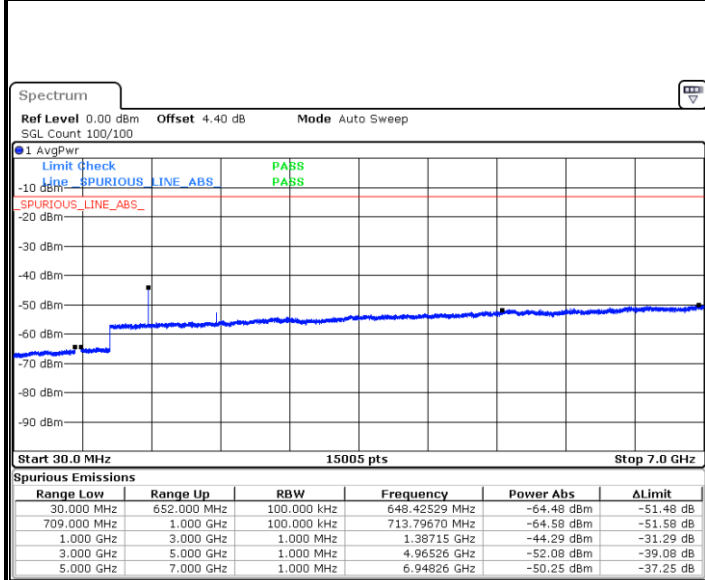
Conducted Spurious Emission





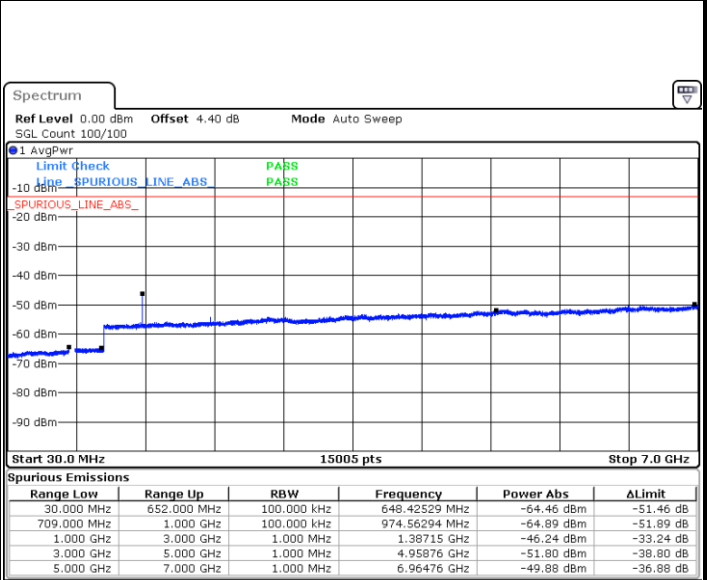
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 9 JUN 2020 15:18:00

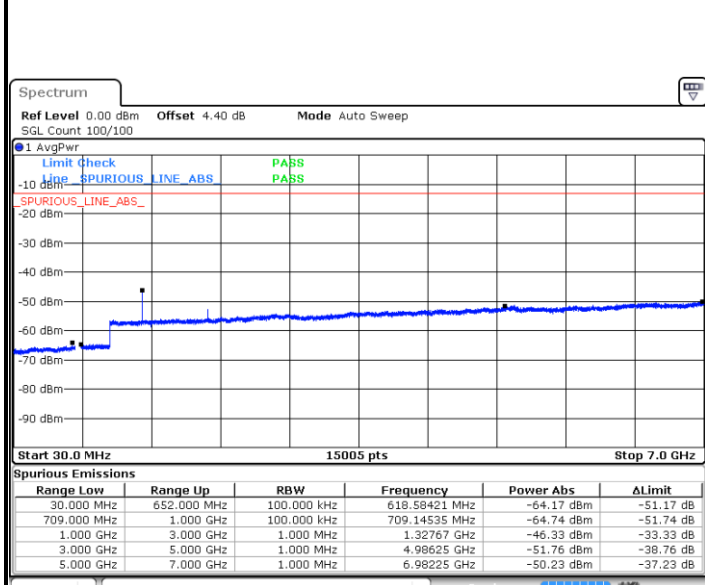
Highest Channel / 16QAM



Date: 9 JUN 2020 15:18:30

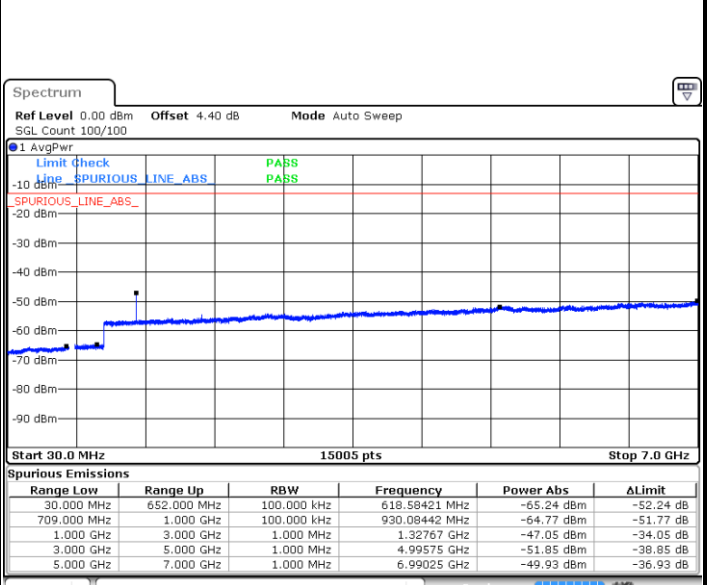
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 9 JUN 2020 15:31:05

Lowest Channel / 16QAM

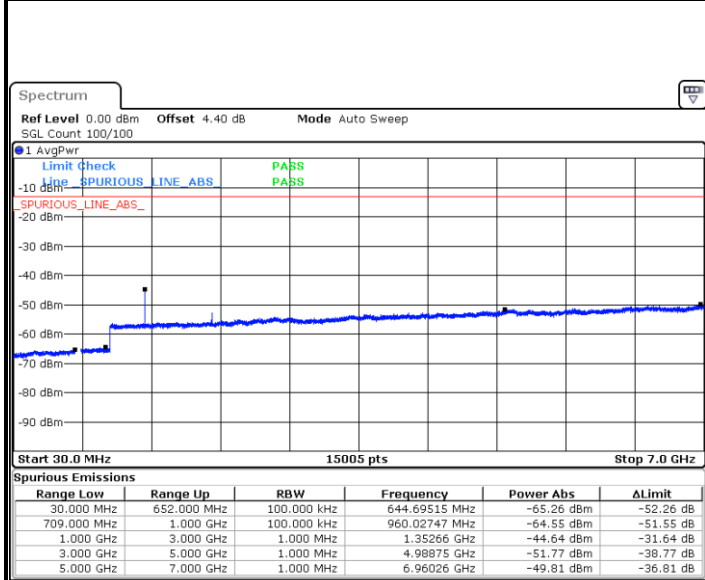


Date: 9 JUN 2020 15:51:04



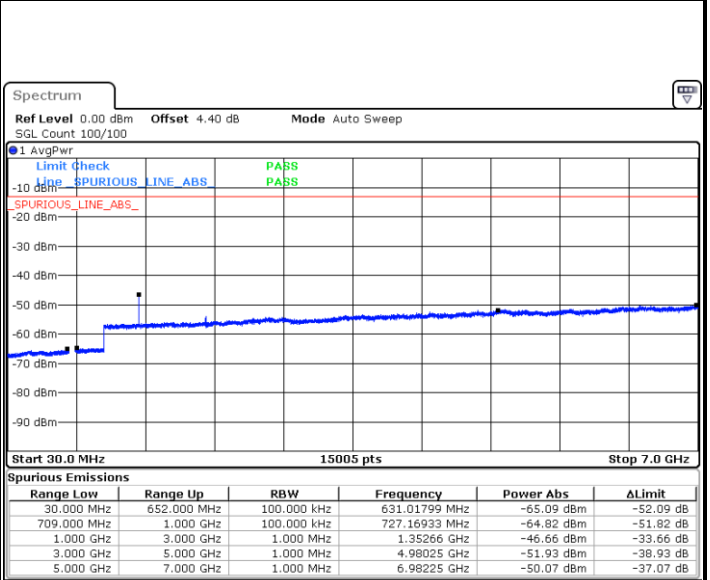
LTE Band 71 / 10MHz

Middle Channel / QPSK



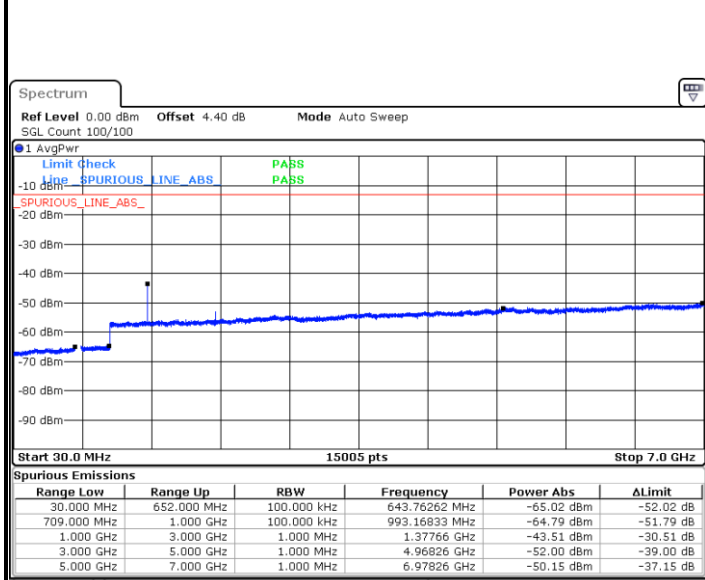
Date: 9 JUN 2020 15:27:46

Middle Channel / 16QAM



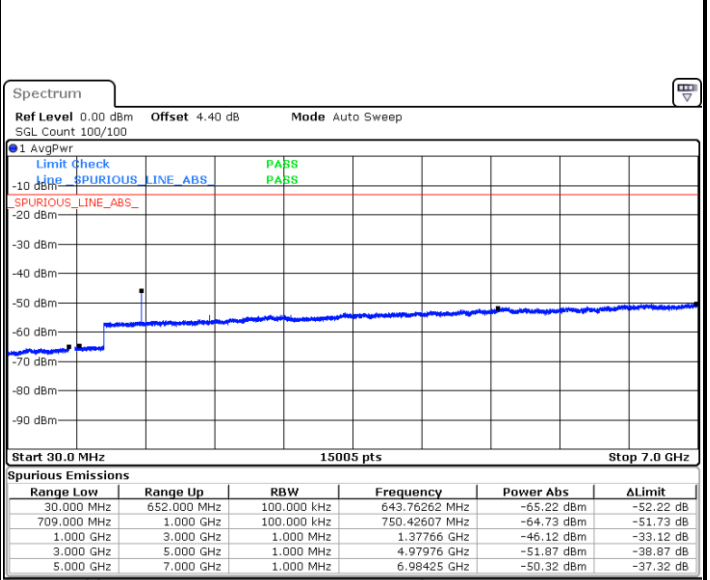
Date: 9 JUN 2020 15:28:12

Highest Channel / QPSK



Date: 9 JUN 2020 16:10:10

Highest Channel / 16QAM



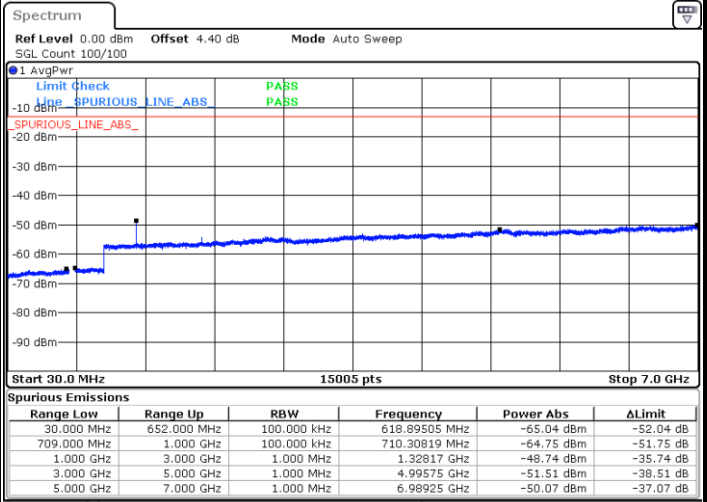
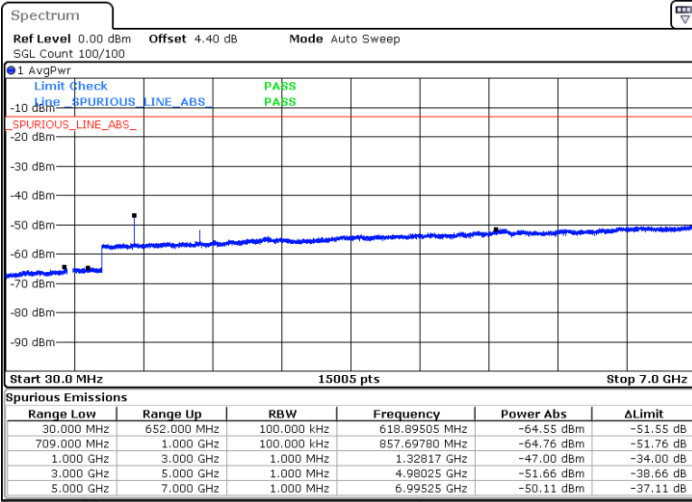
Date: 9 JUN 2020 16:10:37



LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

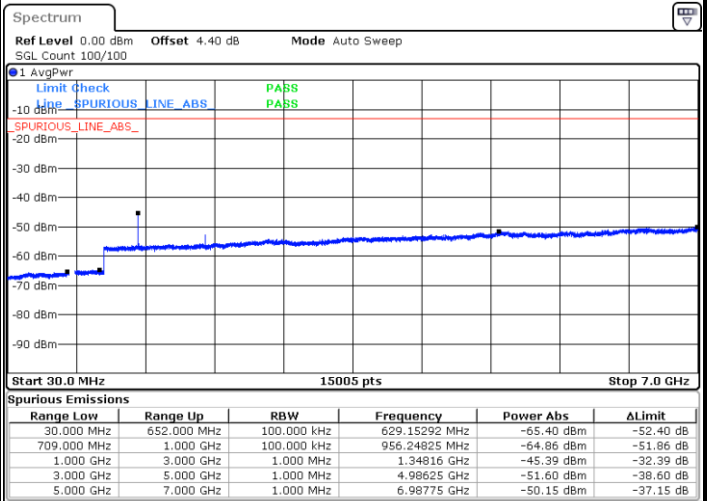
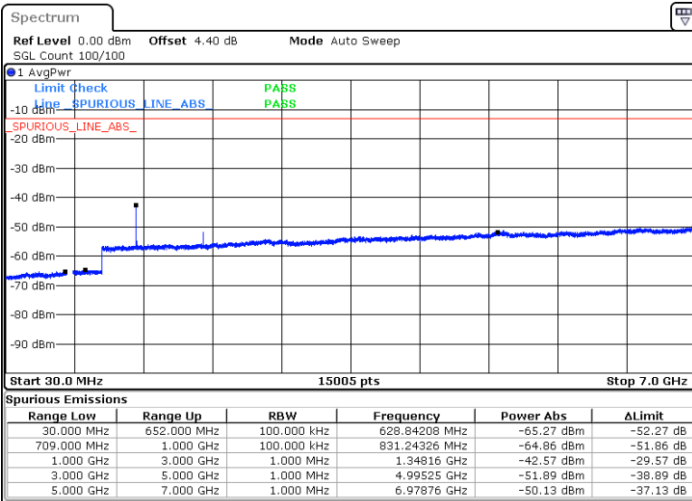


Date: 9 JUN 2020 16:44:25

Date: 9 JUN 2020 16:45:41

Middle Channel / QPSK

Middle Channel / 16QAM



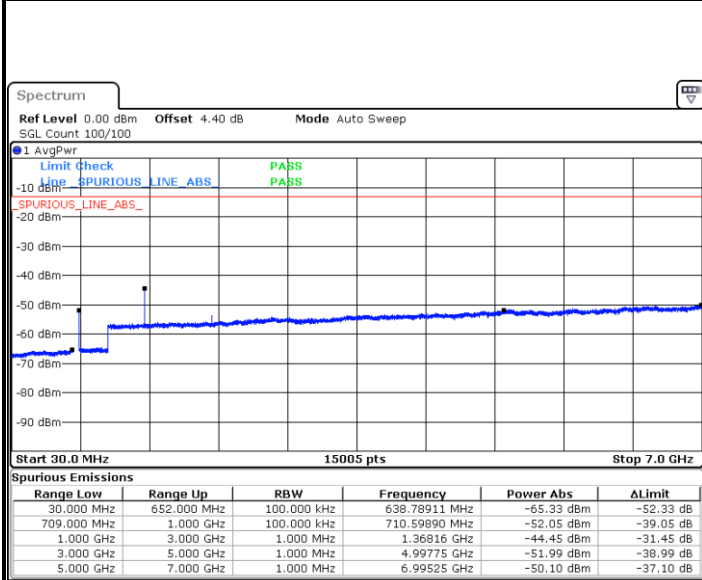
Date: 9 JUN 2020 16:41:57

Date: 9 JUN 2020 16:42:24



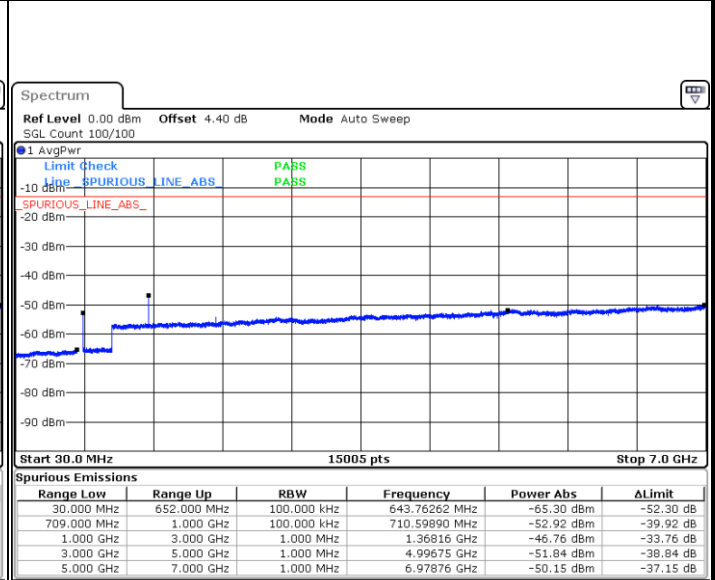
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 9 JUN 2020 17:11:58

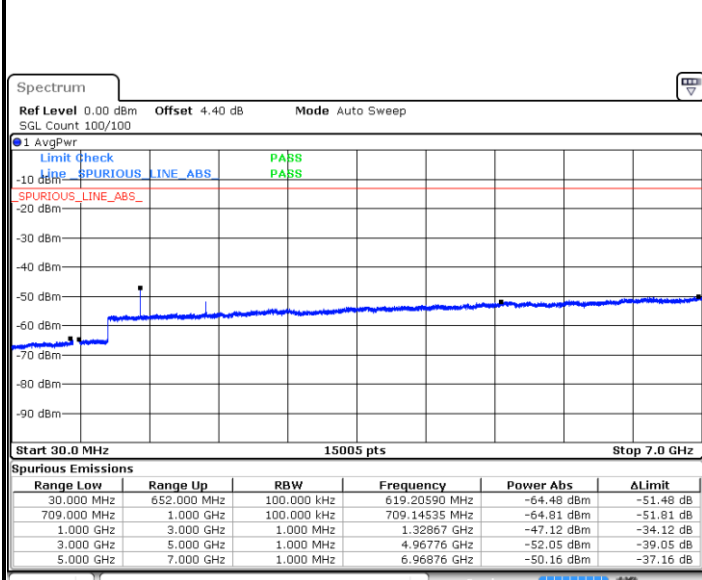
Highest Channel / 16QAM



Date: 9 JUN 2020 17:12:26

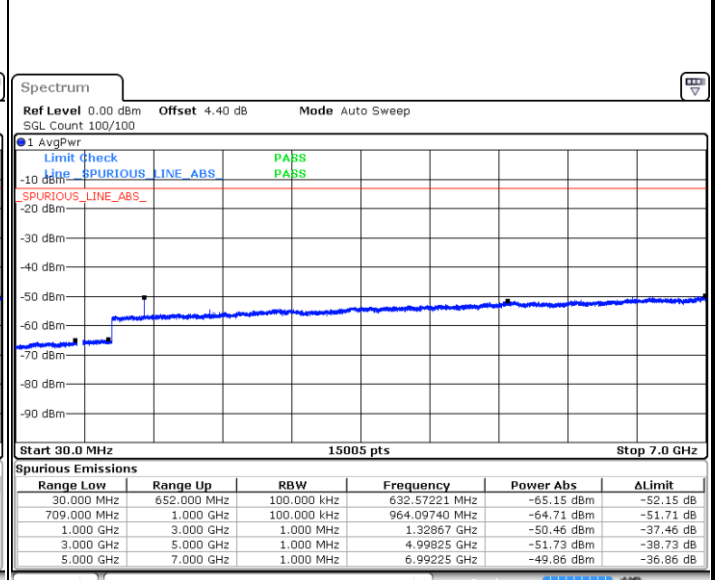
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 9 JUN 2020 17:17:26

Lowest Channel / 16QAM

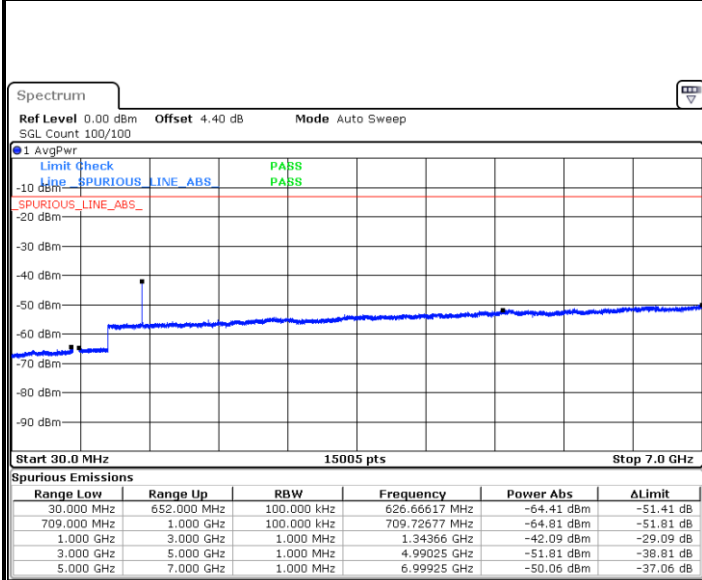


Date: 9 JUN 2020 17:19:08



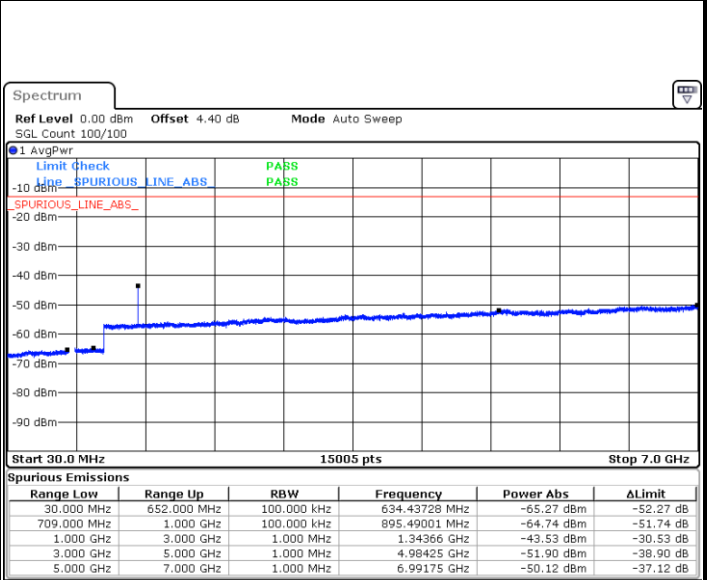
LTE Band 71 / 20MHz

Middle Channel / QPSK



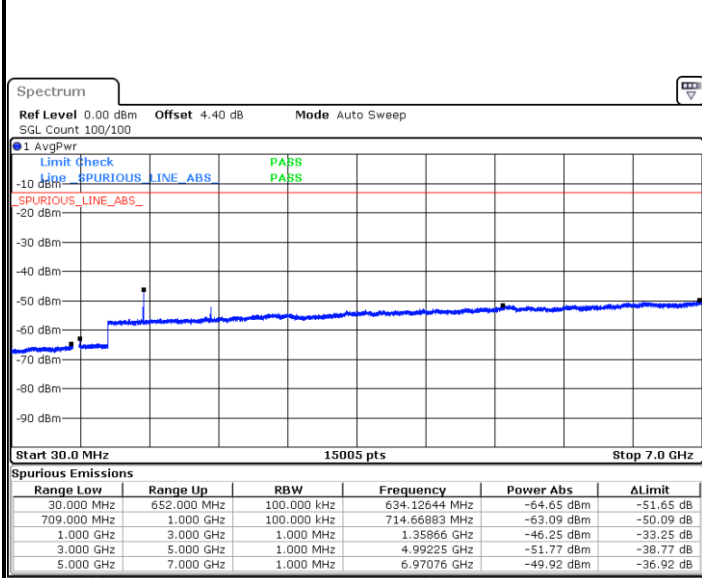
Date: 9 JUN 2020 17:13:59

Middle Channel / 16QAM



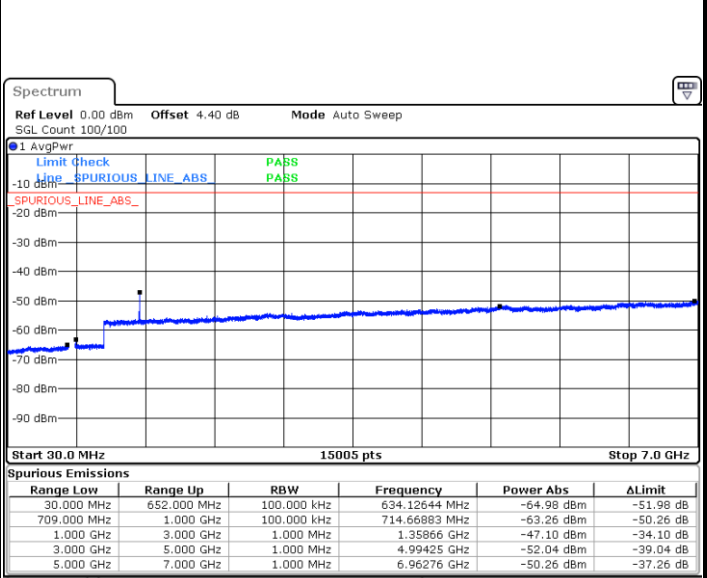
Date: 9 JUN 2020 17:14:30

Highest Channel / QPSK



Date: 9 JUN 2020 17:27:26

Highest Channel / 16QAM



Date: 9 JUN 2020 17:27:52



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
60	Normal Voltage	0.0004	PASS
50	Normal Voltage	0.0073	
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0041	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0050	

Note:

1. Normal Voltage =5 V. ; Battery End Point (BEP) =4.5 V. ; Maximum Voltage =5.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Internal Antenna

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	-56.15	-13	-43.15	-65.27	1.58	10.70	H
	5613	-49.97	-13	-36.97	-60.37	2.102	12.50	H
	7488	-48.67	-13	-35.67	-59.71	2.856	13.90	H
	3741	-56.43	-13	-43.43	-65.55	1.58	10.70	V
	5613	-50.82	-13	-37.82	-61.22	2.10	12.50	V
	7488	-48.14	-13	-35.14	-59.18	2.86	13.90	V

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

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	-68.17	-13	-55.17	-75.14	1.58	10.70	H
	2110	-63.24	-13	-50.24	-71.49	2.102	12.50	H
	2812	-63.18	-13	-50.18	-72.07	2.856	13.90	H
	1406	-67.88	-13	-54.88	-74.85	1.58	10.70	V
	2110	-65.37	-13	-52.37	-73.62	2.10	12.50	V
	2812	-63.45	-13	-50.45	-72.34	2.86	13.90	V

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

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	3471	-59.05	-13	-46.05	-69.79	2.604	13.34	H
	5208	-45.49	-13	-32.49	-56.00	3.011	13.52	H
	6948	-50.12	-13	-37.12	-60.32	3.271	13.47	H
	3471	-60.04	-13	-47.04	-70.78	2.604	13.34	V
	5208	-51.20	-13	-38.20	-61.71	3.011	13.52	V
	6948	-50.14	-13	-37.14	-60.34	3.271	13.47	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1348	-67.27	-13	-54.27	-69.02	1.02	4.92	H
	2022	-66.33	-13	-53.33	-68.30	1.27	5.39	H
	2696	-64.23	-13	-51.23	-67.16	1.49	6.57	H
	1348	-67.19	-13	-54.19	-68.94	1.02	4.92	V
	2022	-66.06	-13	-53.06	-68.03	1.27	5.39	V
	2696	-63.78	-13	-50.78	-66.71	1.49	6.57	V

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