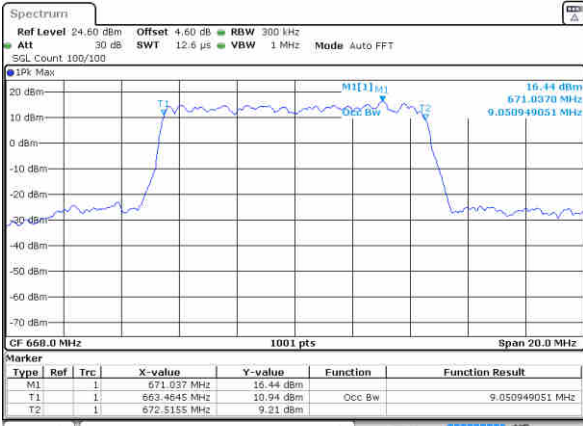




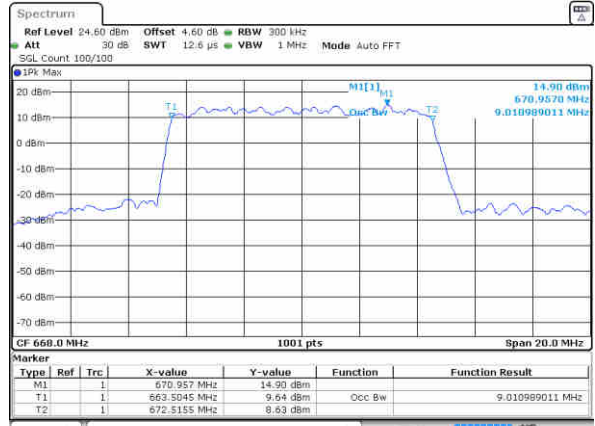
LTE Band 71

Lowest Channel / 10MHz / QPSK



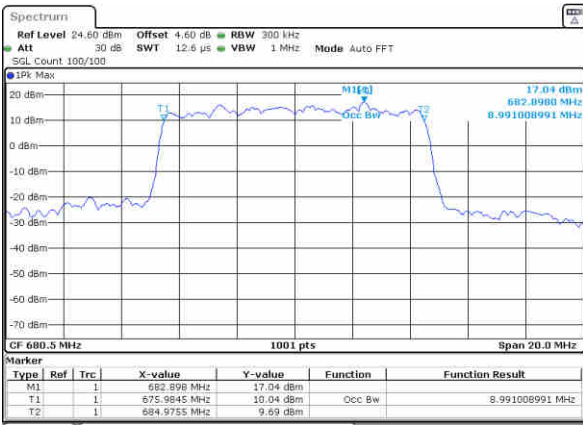
Date: 29 AUG 2020 11:55:16

Lowest Channel / 10MHz / 16QAM



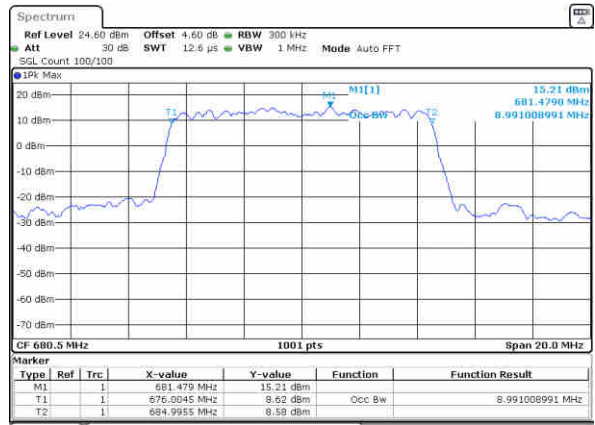
Date: 29 AUG 2020 11:56:29

Middle Channel / 10MHz / QPSK



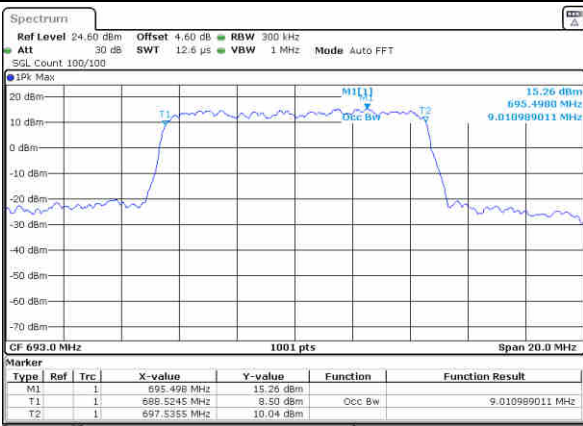
Date: 29 AUG 2020 12:06:33

Middle Channel / 10MHz / 16QAM



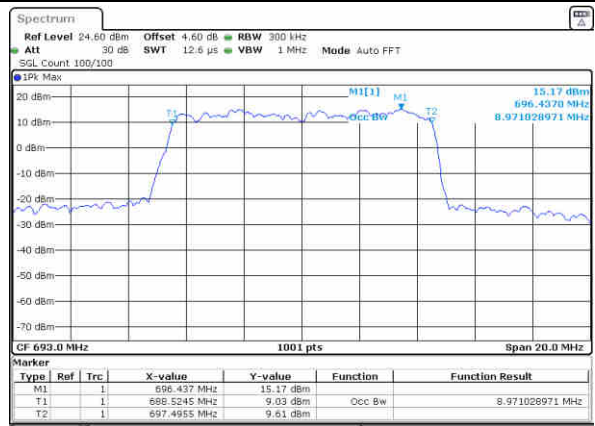
Date: 29 AUG 2020 12:06:03

Highest Channel / 10MHz / QPSK



Date: 29 AUG 2020 12:09:53

Highest Channel / 10MHz / 16QAM

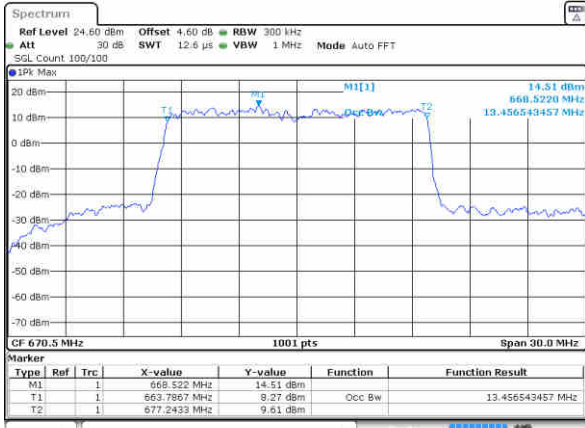


Date: 29 AUG 2020 12:11:11



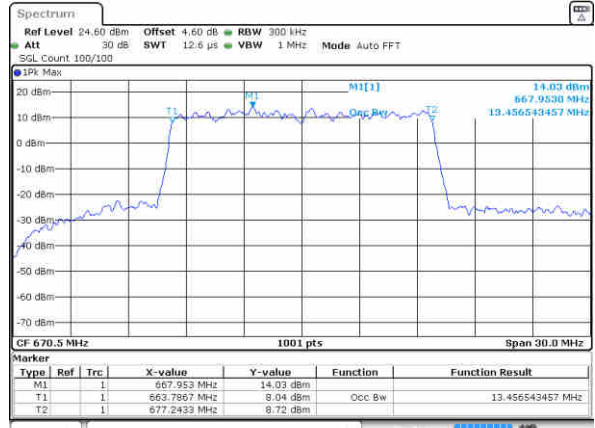
LTE Band 71

Lowest Channel / 15MHz / QPSK



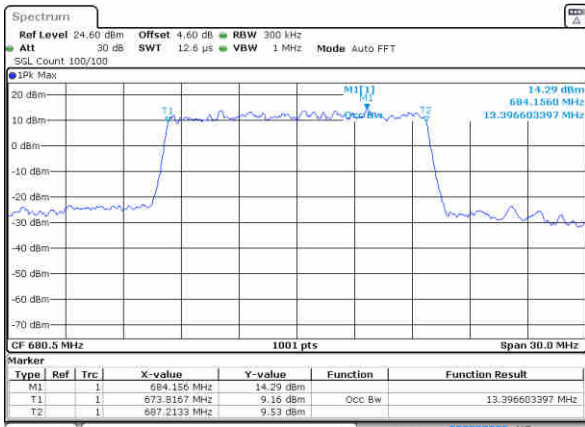
Date: 29 AUG 2020 12:18:48

Lowest Channel / 15MHz / 16QAM



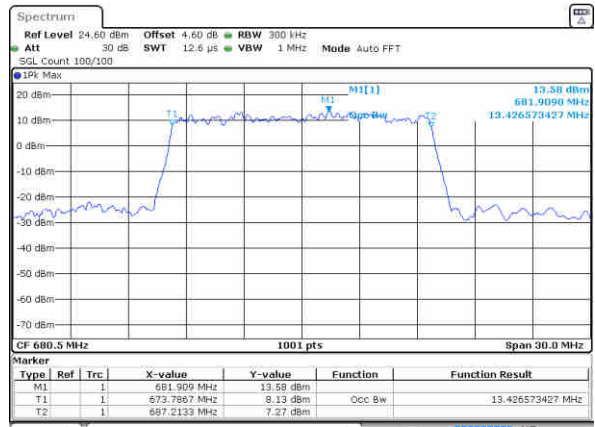
Date: 29 AUG 2020 12:20:21

Middle Channel / 15MHz / QPSK



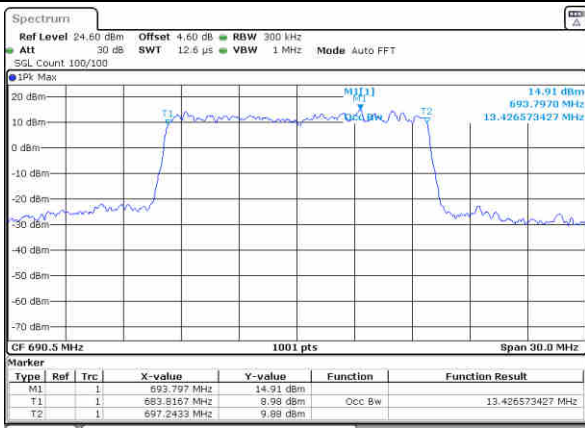
Date: 29 AUG 2020 12:31:30

Middle Channel / 15MHz / 16QAM



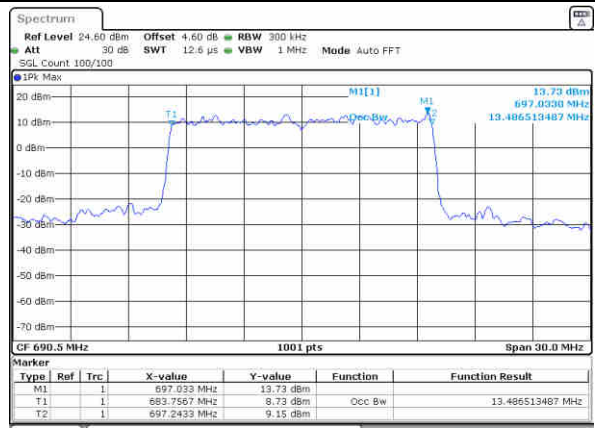
Date: 29 AUG 2020 12:31:05

Highest Channel / 15MHz / QPSK



Date: 29 AUG 2020 12:32:08

Highest Channel / 15MHz / 16QAM

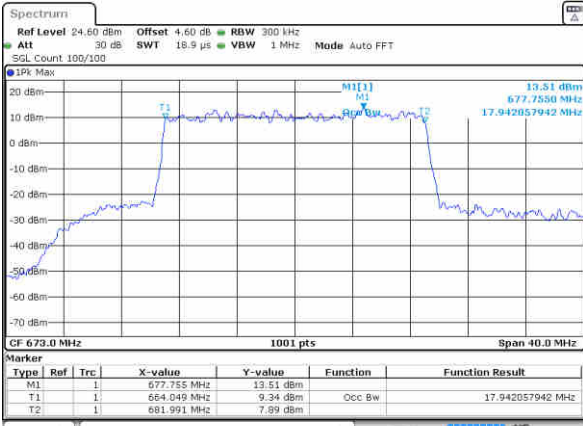


Date: 29 AUG 2020 12:35:01



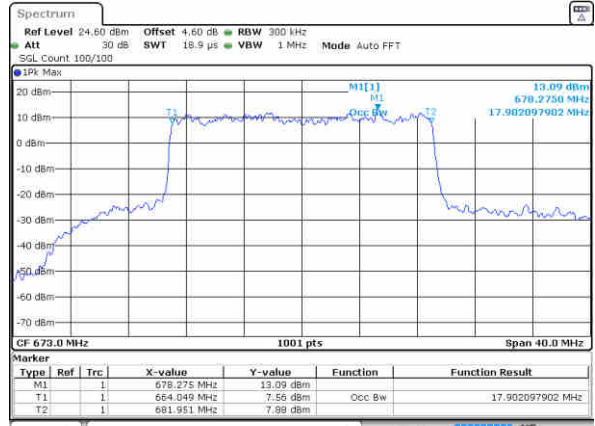
LTE Band 71

Lowest Channel / 20MHz / QPSK



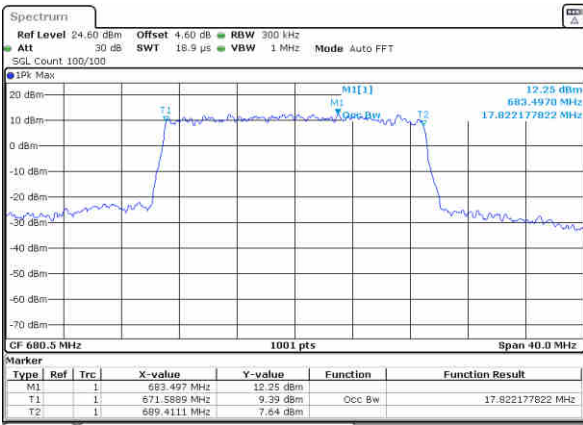
Date: 29 AUG 2020 12:42:30

Lowest Channel / 20MHz / 16QAM



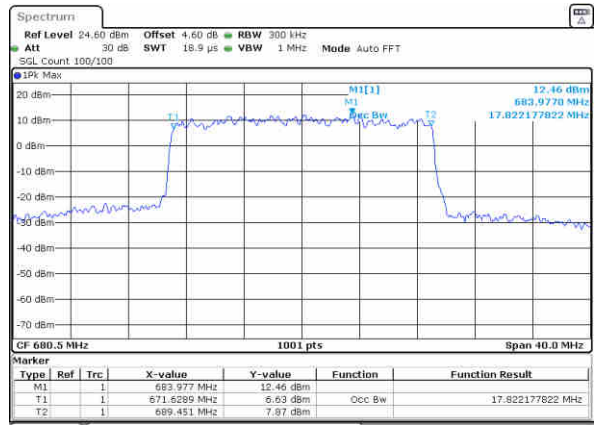
Date: 29 AUG 2020 12:43:48

Middle Channel / 20MHz / QPSK



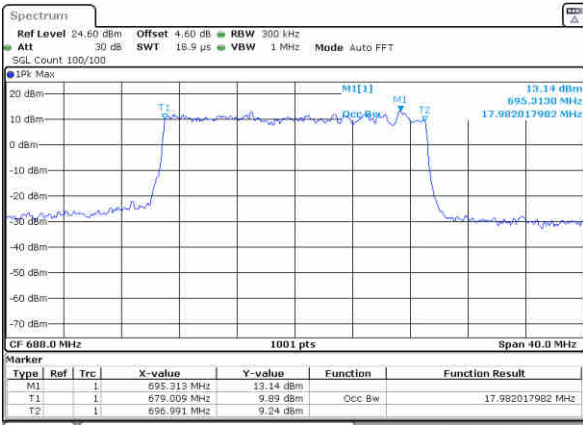
Date: 29 AUG 2020 12:52:23

Middle Channel / 20MHz / 16QAM



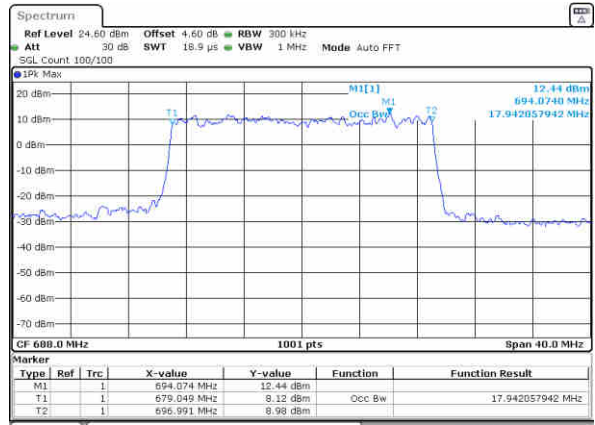
Date: 29 AUG 2020 12:52:42

Highest Channel / 20MHz / QPSK



Date: 29 AUG 2020 13:01:54

Highest Channel / 20MHz / 16QAM

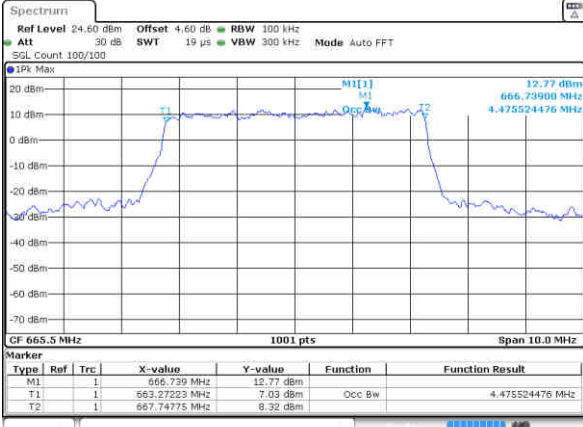


Date: 29 AUG 2020 13:00:56



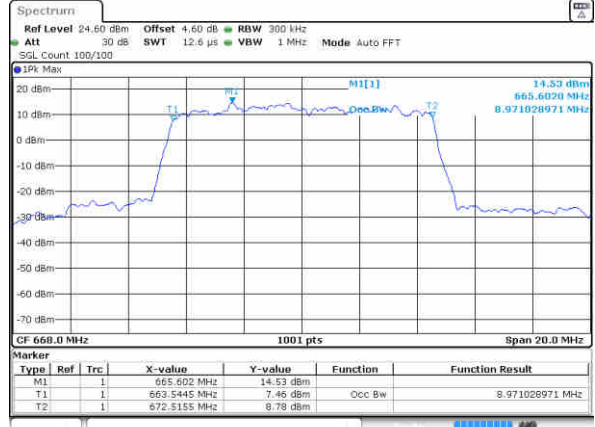
LTE Band 71

Lowest Channel / 5MHz / 64QAM



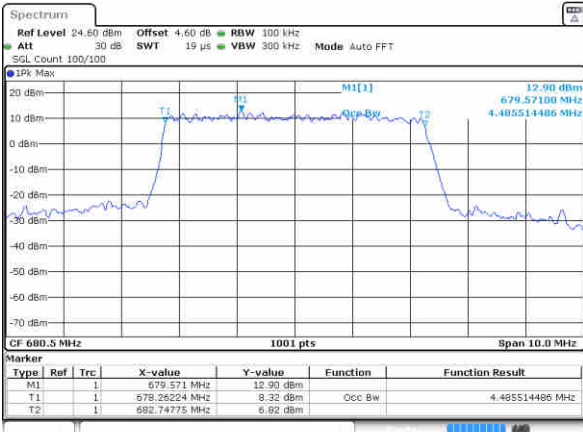
Date: 29 AUG 2020 11:33:23

Lowest Channel / 10MHz / 64QAM



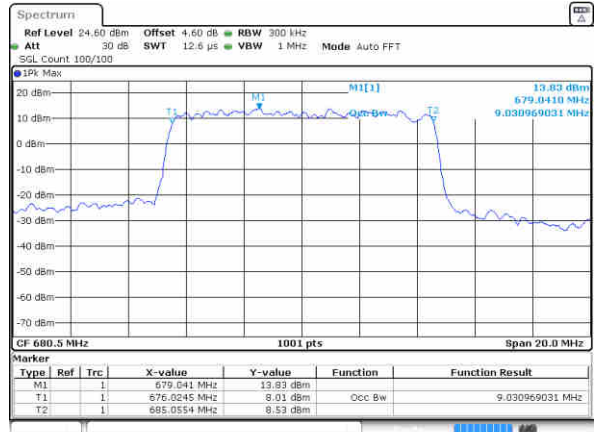
Date: 29 AUG 2020 11:57:29

Middle Channel / 5MHz / 64QAM



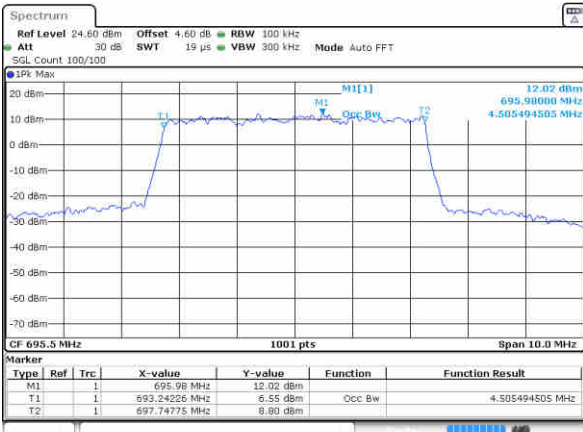
Date: 29 AUG 2020 11:43:07

Middle Channel / 10MHz / 64QAM



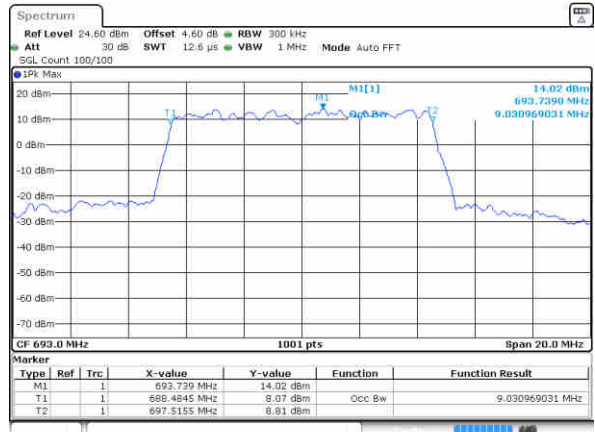
Date: 29 AUG 2020 12:05:30

Highest Channel / 5MHz / 64QAM



Date: 29 AUG 2020 11:44:12

Highest Channel / 10MHz / 64QAM

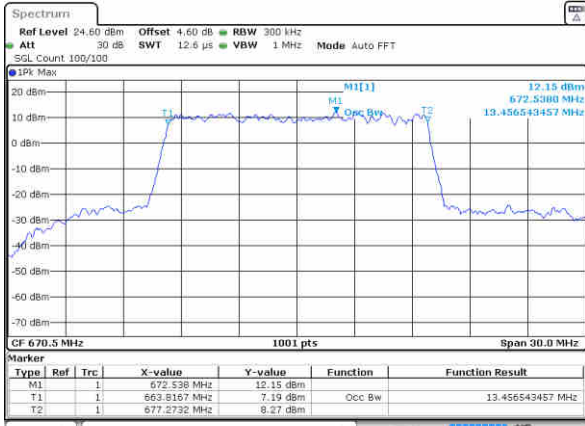


Date: 29 AUG 2020 12:12:15



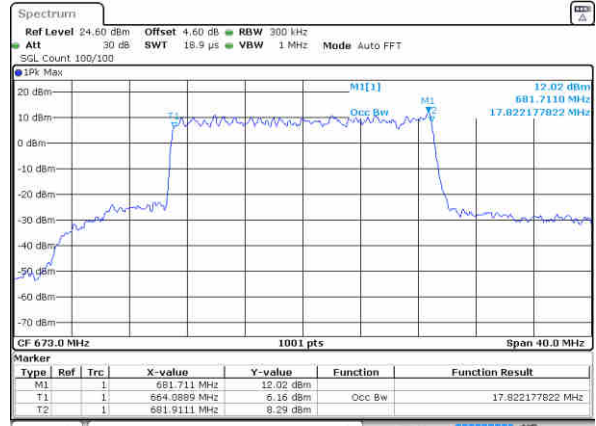
LTE Band 71

Lowest Channel / 15MHz / 64QAM



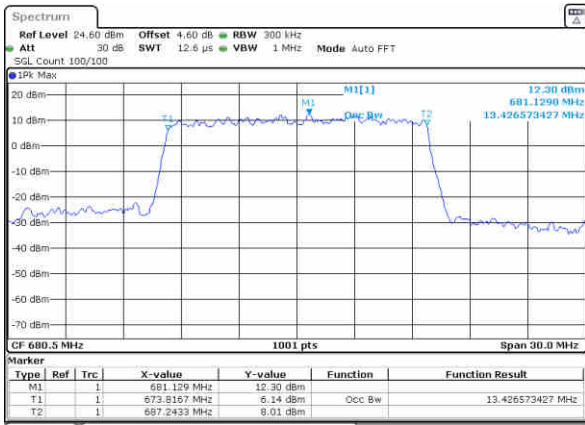
Date: 29 AUG 2020 12:21:24

Lowest Channel / 20MHz / 64QAM



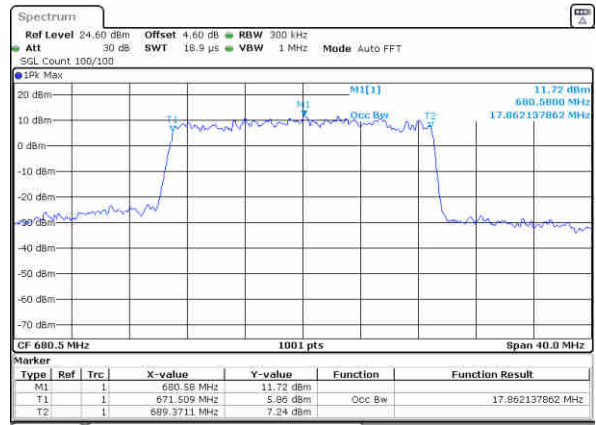
Date: 29 AUG 2020 12:44:43

Middle Channel / 15MHz / 64QAM



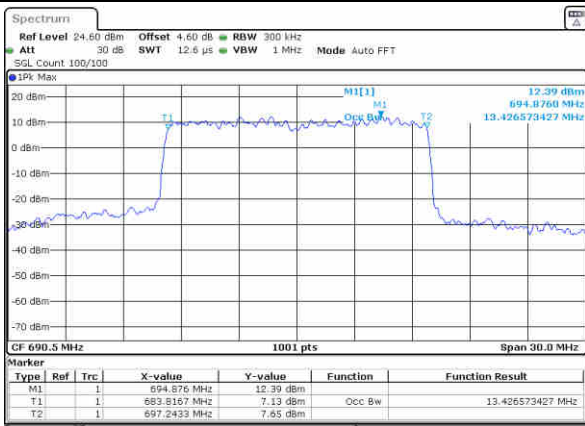
Date: 29 AUG 2020 12:30:43

Middle Channel / 20MHz / 64QAM



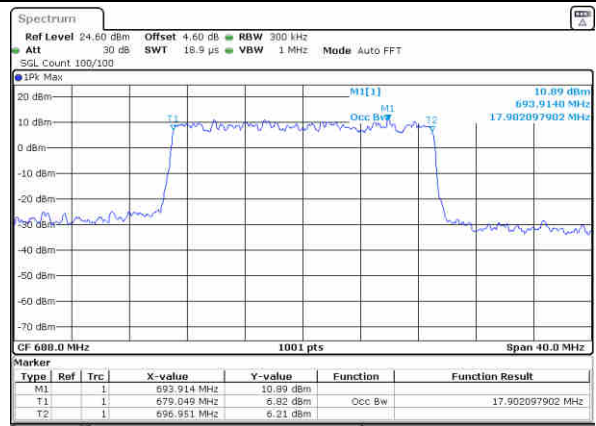
Date: 29 AUG 2020 12:53:12

Highest Channel / 15MHz / 64QAM



Date: 29 AUG 2020 12:35:51

Highest Channel / 20MHz / 64QAM



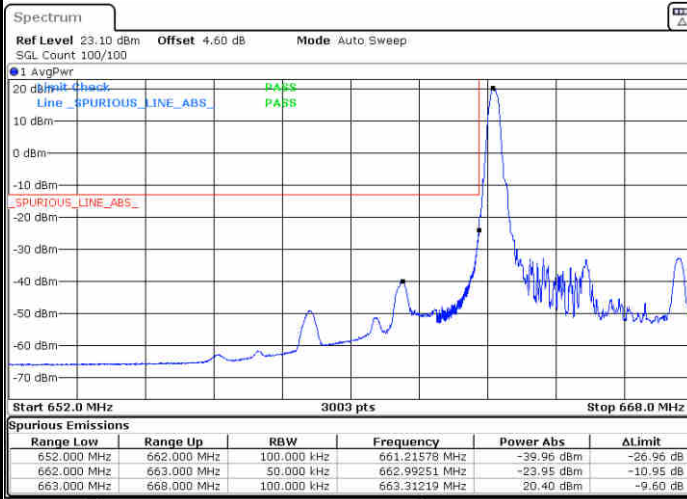
Date: 29 AUG 2020 12:54:05



Conducted Band Edge

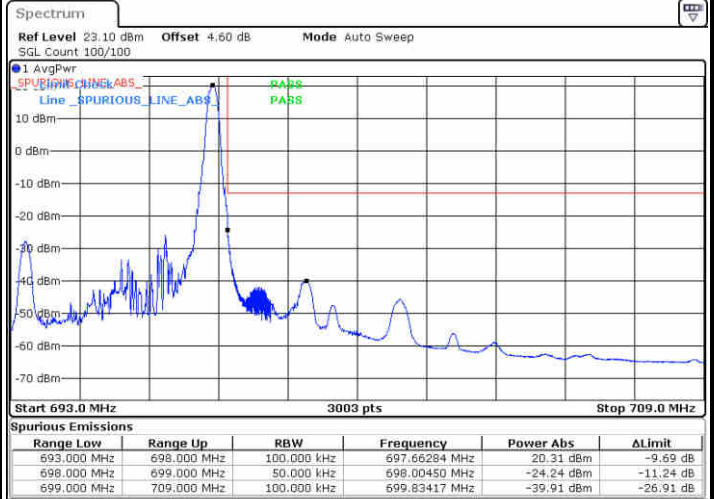
LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



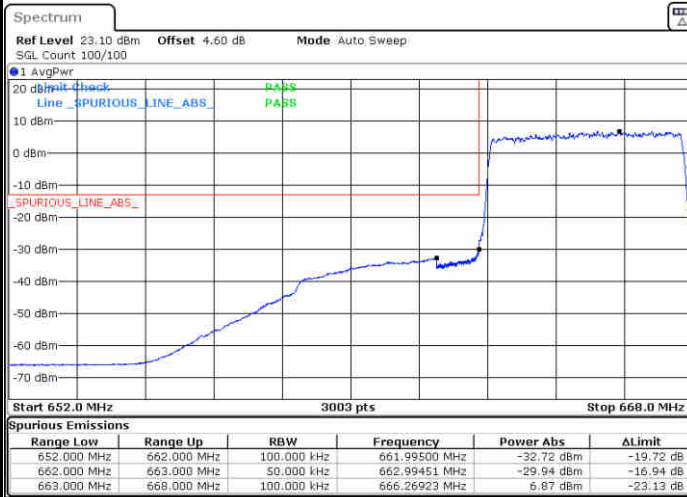
Date: 29 AUG 2020 11:38:30

Highest Band Edge / 1 RB



Date: 4 SEP 2020 08:27:22

Lowest Band Edge / Full RB



Date: 29 AUG 2020 11:35:36

Highest Band Edge / Full RB

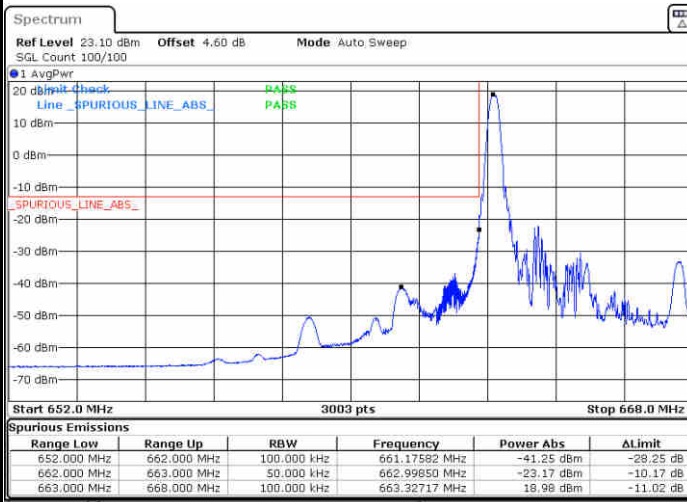


Date: 29 AUG 2020 11:48:26



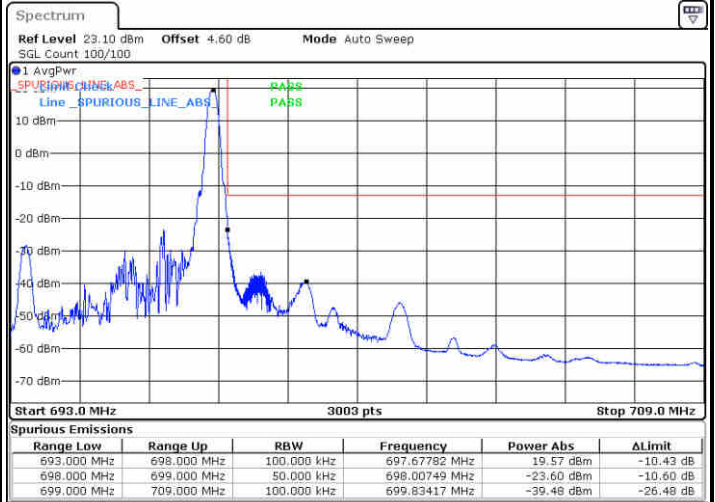
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



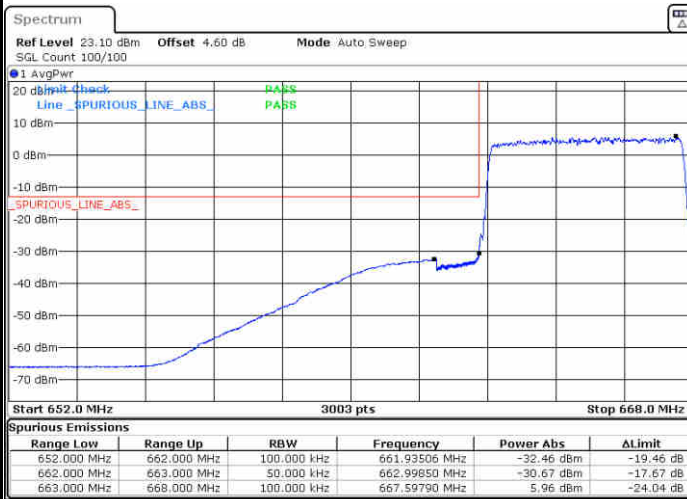
Date: 28 AUG 2020 11:37:47

Highest Band Edge / 1 RB



Date: 4 SEP 2020 08:28:11

Lowest Band Edge / Full RB



Date: 29 AUG 2020 11:33:02

Highest Band Edge / Full RB

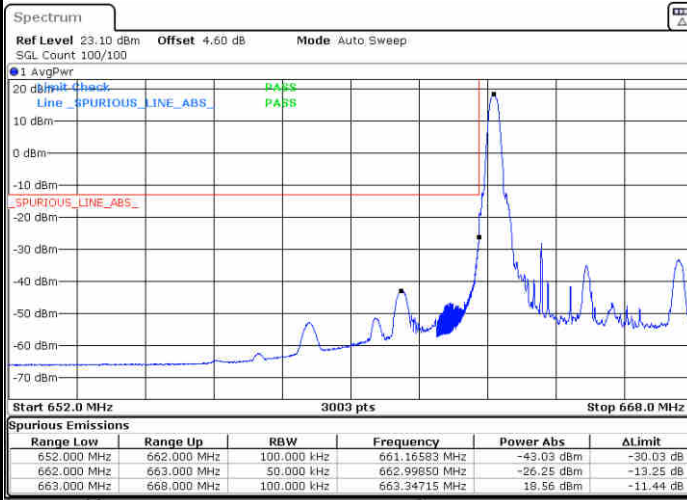


Date: 28 AUG 2020 11:47:04



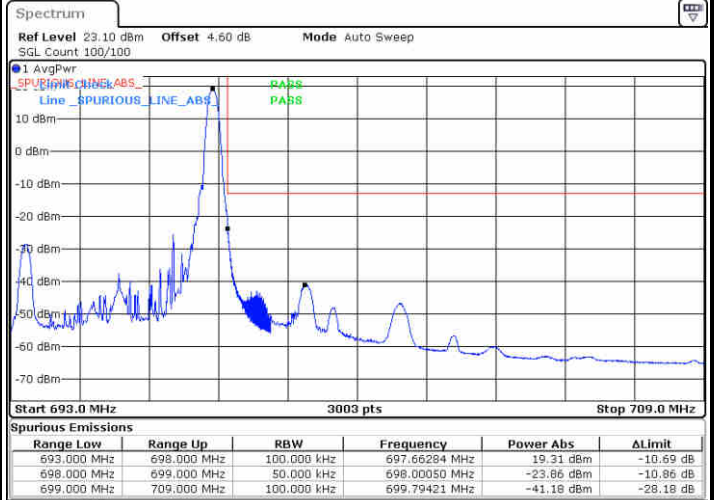
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



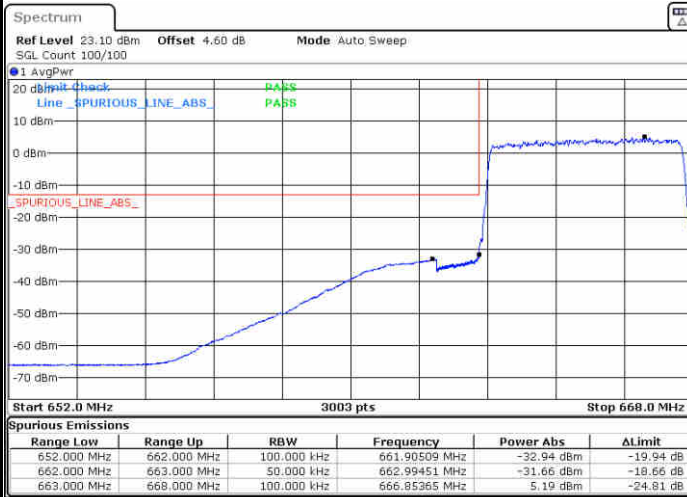
Date: 29 AUG 2020 11:38:59

Highest Band Edge / 1 RB



Date: 4 SEP 2020 08:31:43

Lowest Band Edge / Full RB



Date: 29 AUG 2020 11:34:12

Highest Band Edge / Full RB

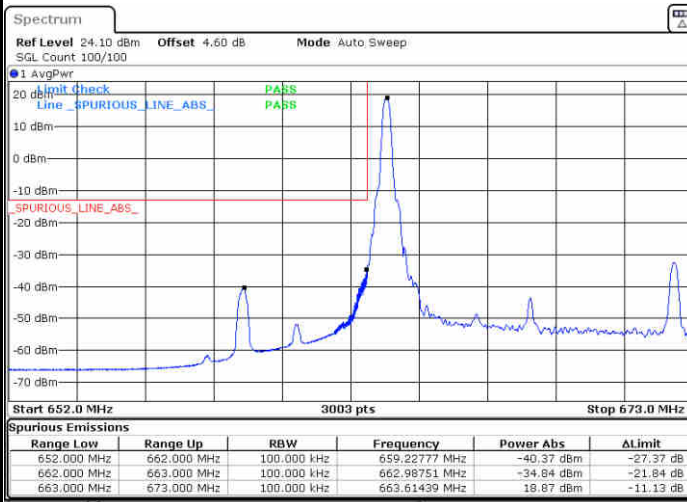


Date: 29 AUG 2020 11:45:19



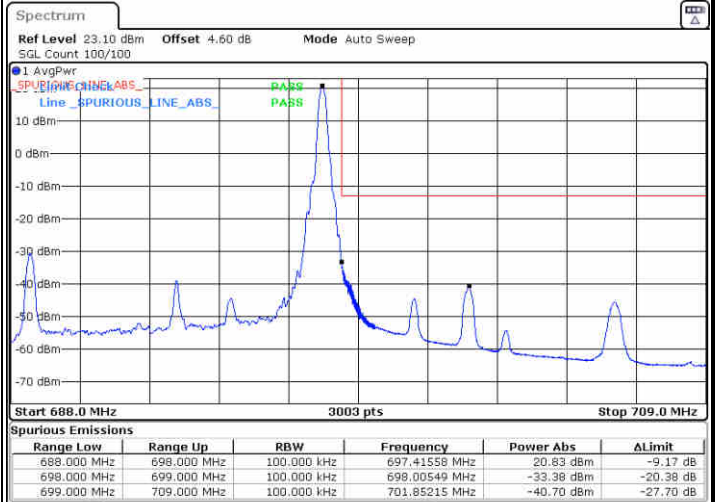
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



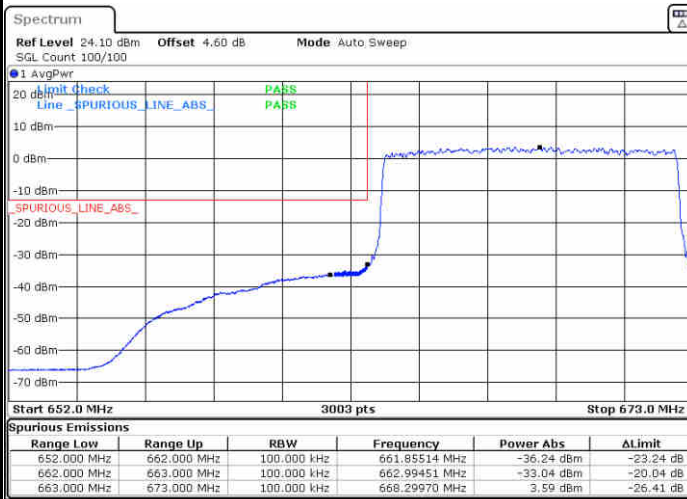
Date: 28 AUG 2020 12:01:24

Highest Band Edge / 1 RB



Date: 28 AUG 2020 12:15:22

Lowest Band Edge / Full RB



Date: 29 AUG 2020 11:56:03

Highest Band Edge / Full RB

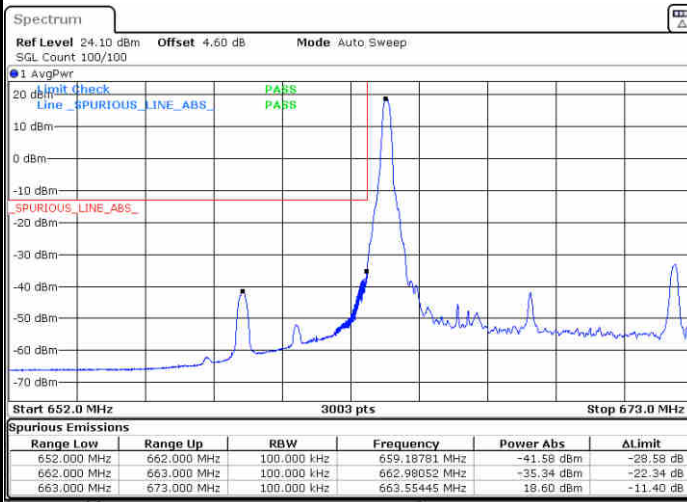


Date: 28 AUG 2020 12:10:36



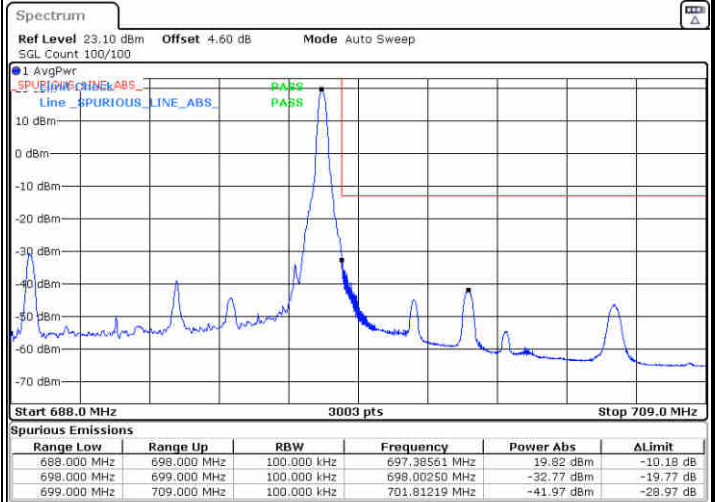
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



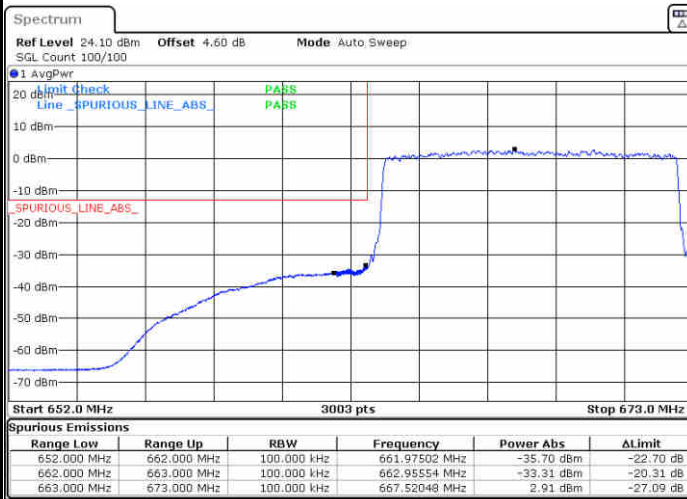
Date: 28 AUG 2020 12:00:14

Highest Band Edge / 1 RB



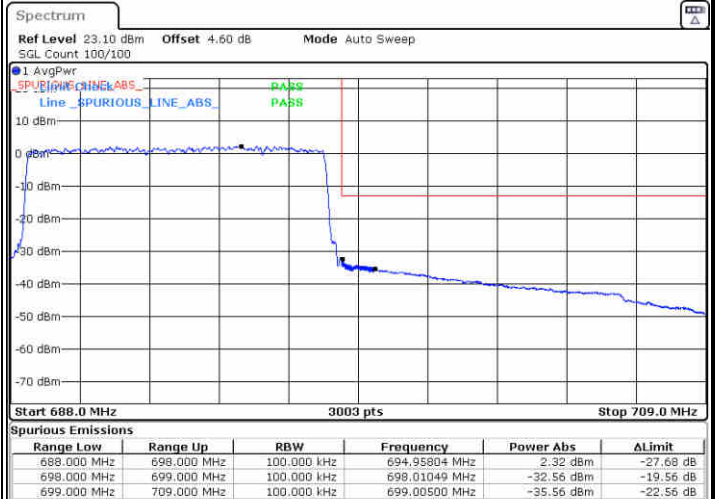
Date: 28 AUG 2020 12:17:46

Lowest Band Edge / Full RB



Date: 29 AUG 2020 11:57:11

Highest Band Edge / Full RB

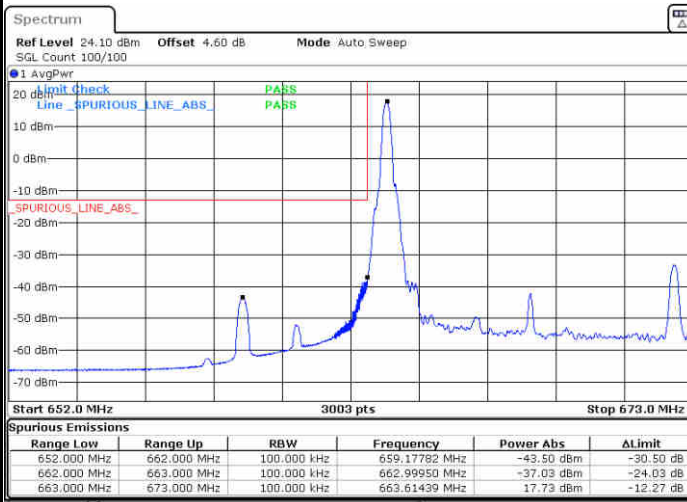


Date: 28 AUG 2020 12:11:54



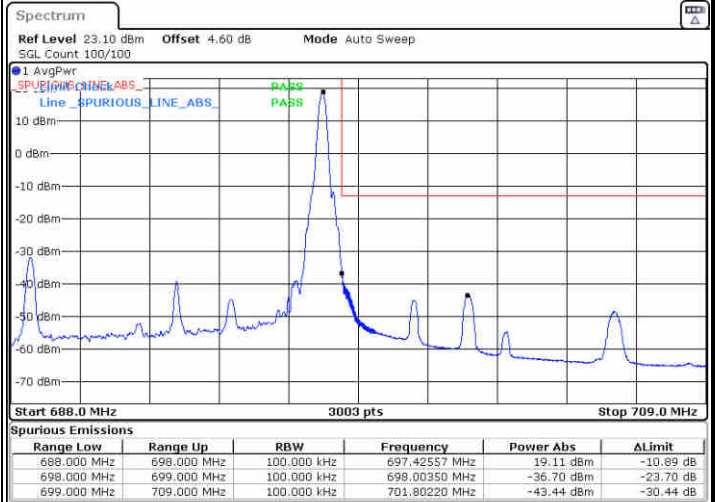
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



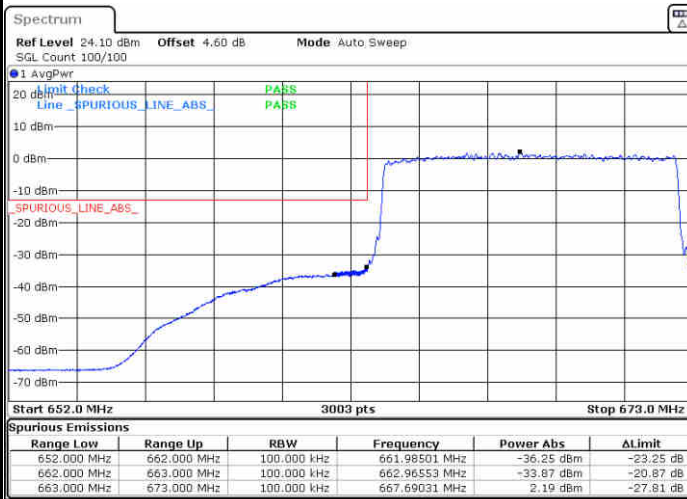
Date: 29 AUG 2020 11:58:57

Highest Band Edge / 1 RB



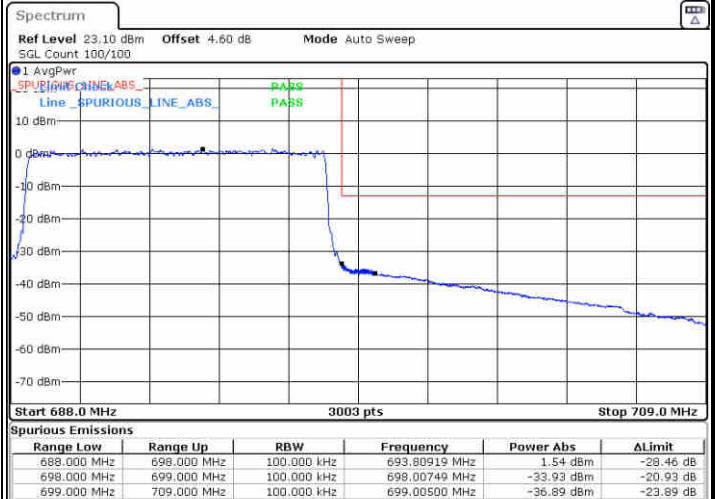
Date: 29 AUG 2020 12:16:55

Lowest Band Edge / Full RB



Date: 29 AUG 2020 11:58:07

Highest Band Edge / Full RB

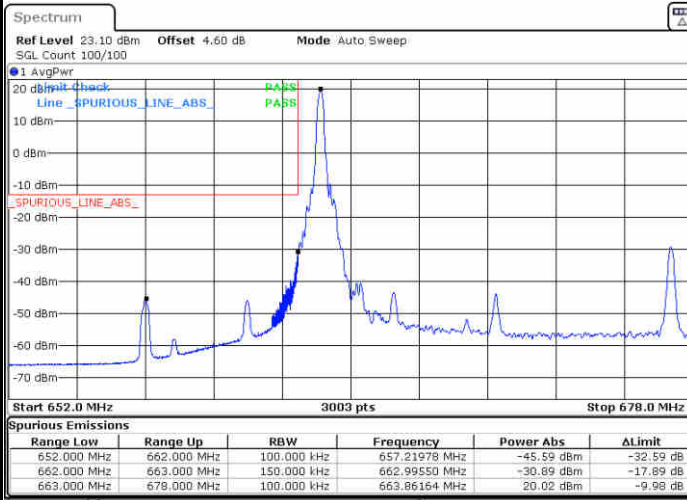


Date: 29 AUG 2020 12:12:57

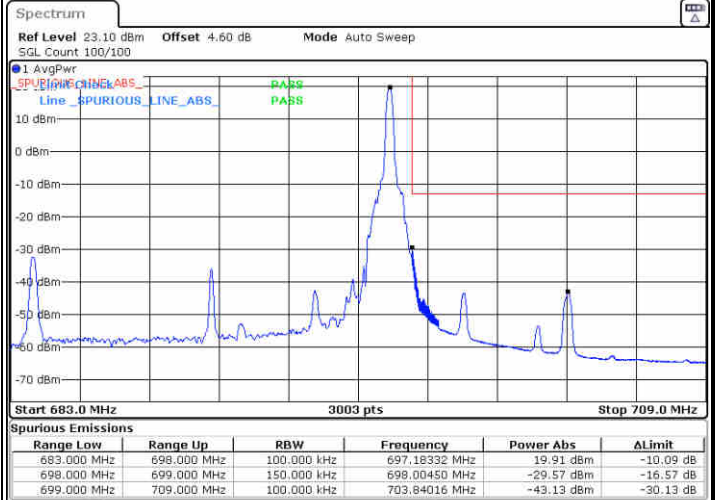


LTE Band 71 / 15MHz / QPSK

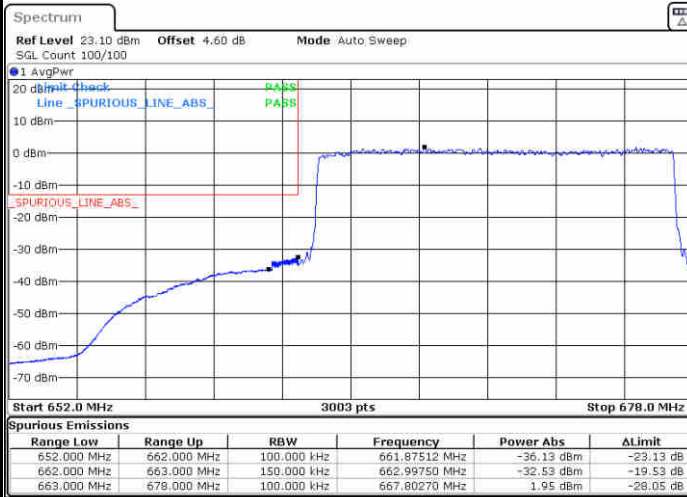
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



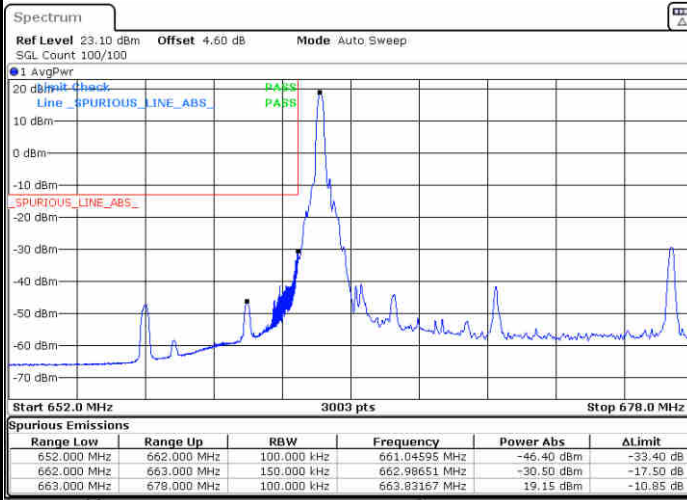
Highest Band Edge / Full RB





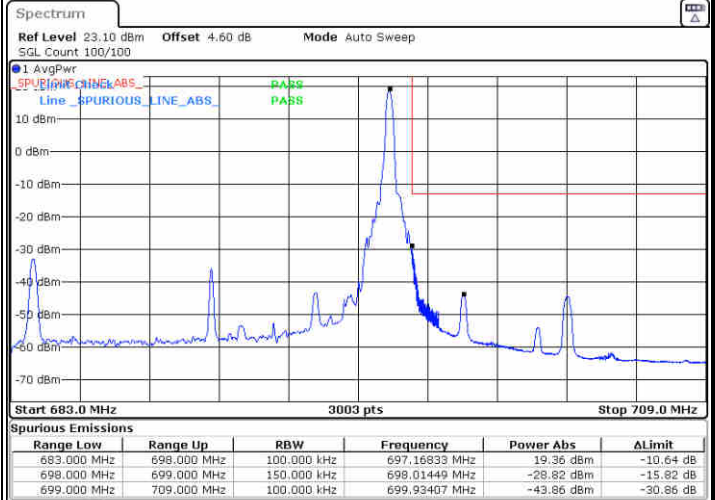
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



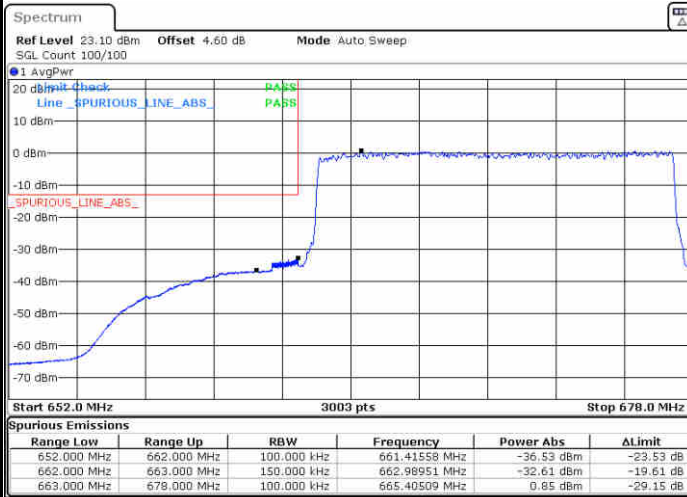
Date: 29 AUG 2020 12:28:38

Highest Band Edge / 1 RB



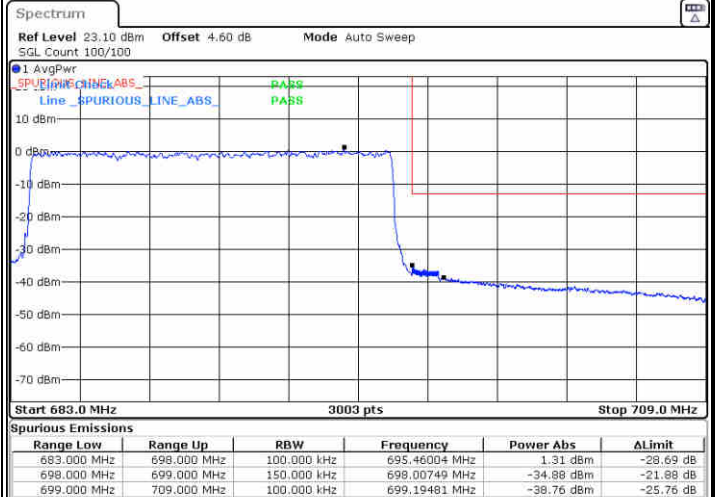
Date: 29 AUG 2020 12:39:21

Lowest Band Edge / Full RB



Date: 29 AUG 2020 12:21:06

Highest Band Edge / Full RB

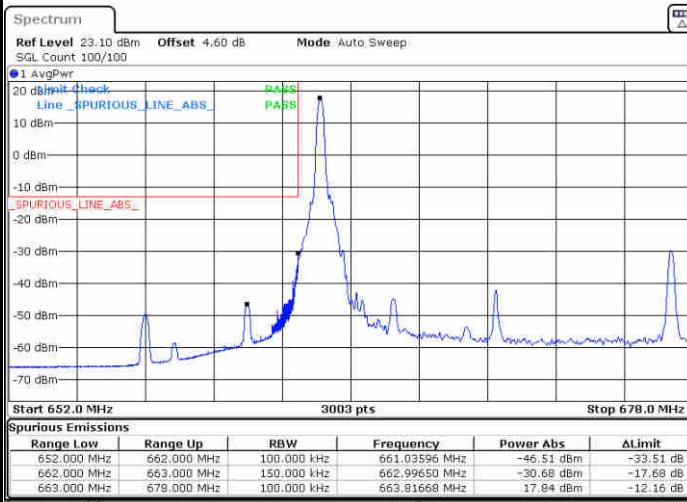


Date: 29 AUG 2020 12:35:39



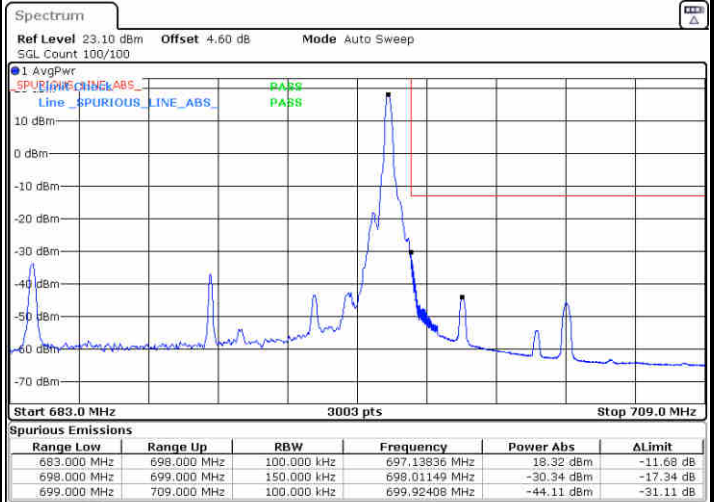
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



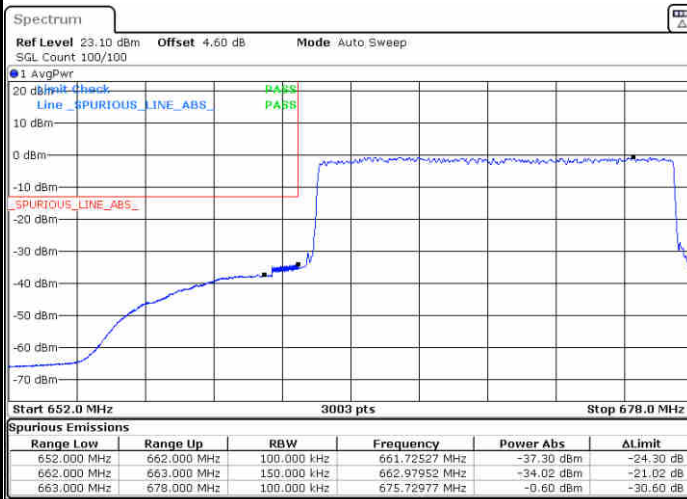
Date: 29 AUG 2020 12:25:19

Highest Band Edge / 1 RB



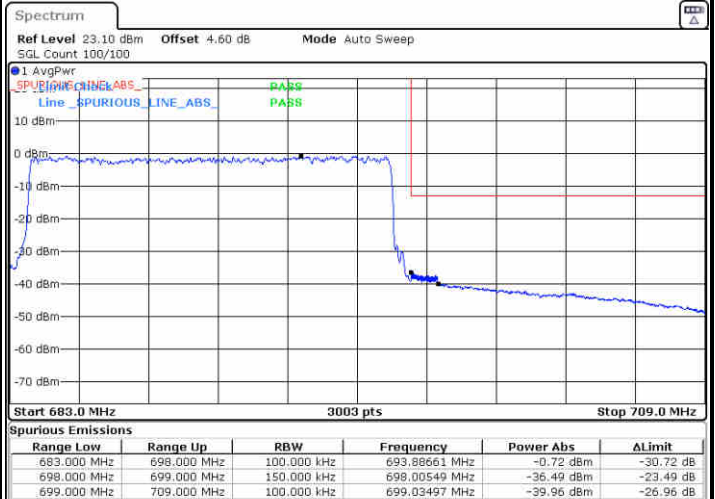
Date: 29 AUG 2020 12:38:40

Lowest Band Edge / Full RB



Date: 29 AUG 2020 12:22:02

Highest Band Edge / Full RB

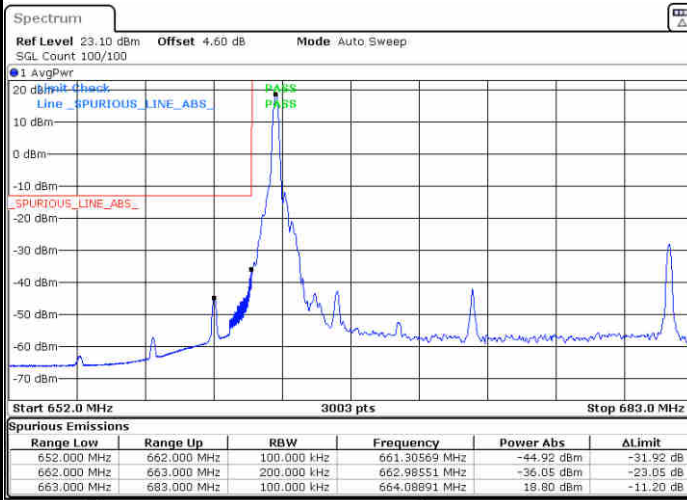


Date: 29 AUG 2020 12:36:30



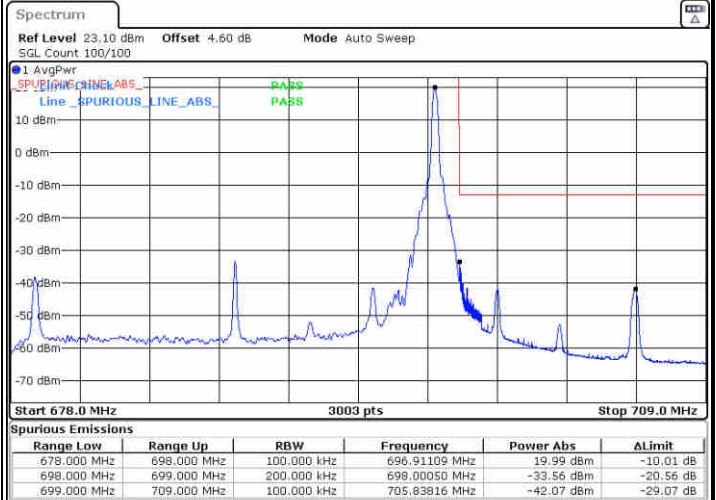
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



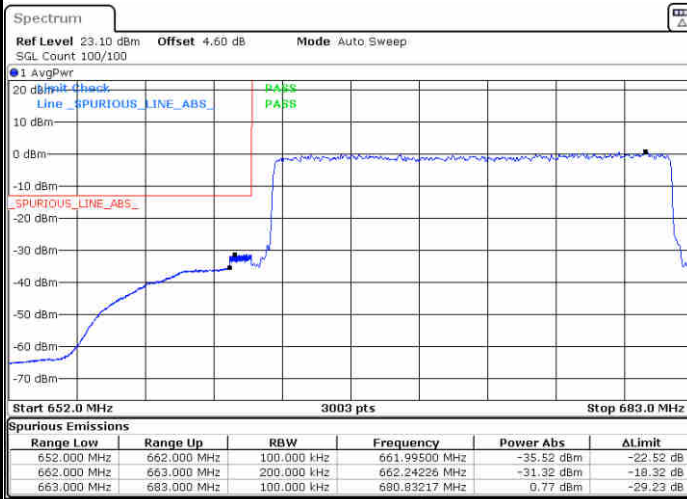
Date: 28 AUG 2020 12:48:42

Highest Band Edge / 1 RB



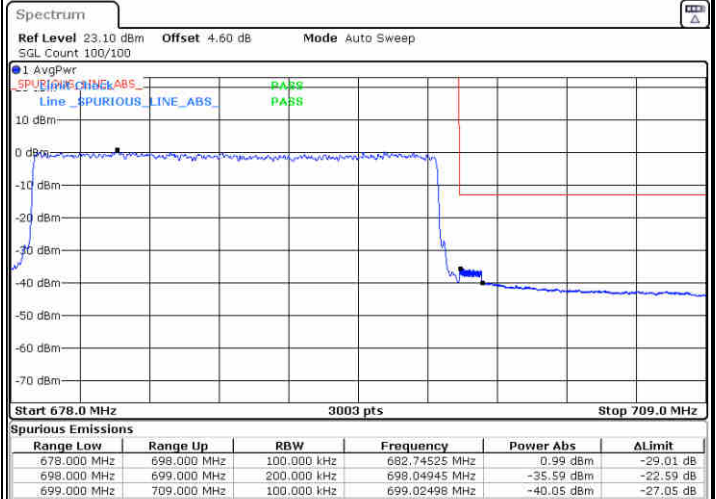
Date: 28 AUG 2020 13:06:55

Lowest Band Edge / Full RB



Date: 29 AUG 2020 12:43:11

Highest Band Edge / Full RB

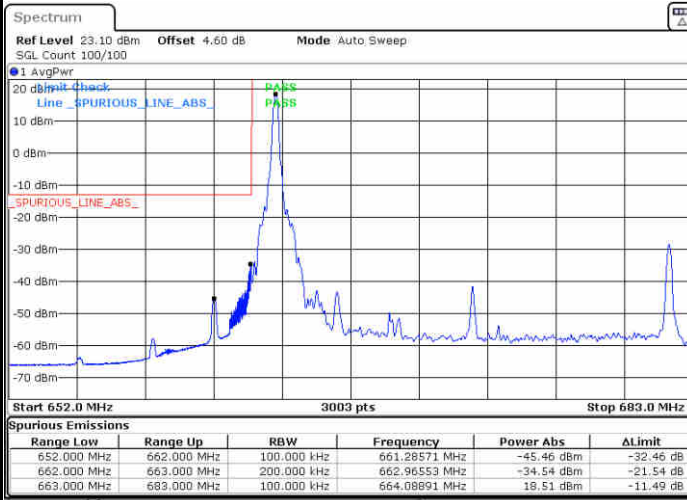


Date: 28 AUG 2020 13:02:43



LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



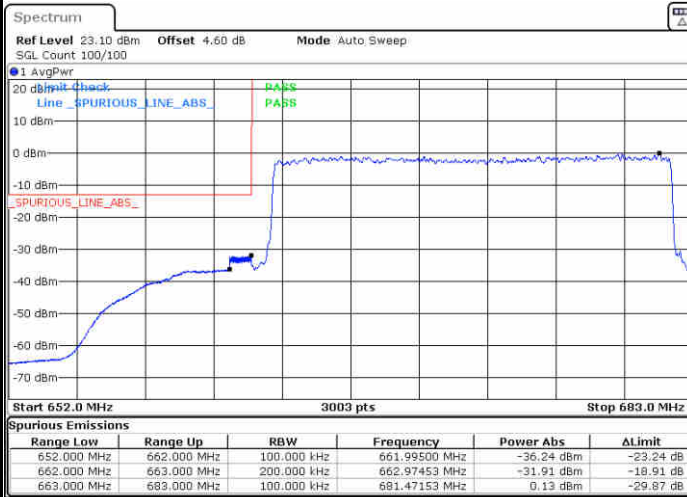
Date: 28 AUG 2020 12:47:45

Highest Band Edge / 1RB



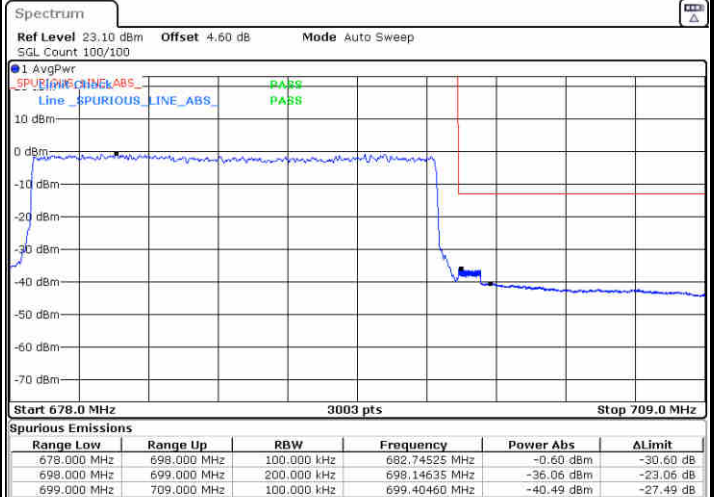
Date: 28 AUG 2020 13:06:14

Lowest Band Edge / Full RB



Date: 29 AUG 2020 12:44:27

Highest Band Edge / Full RB

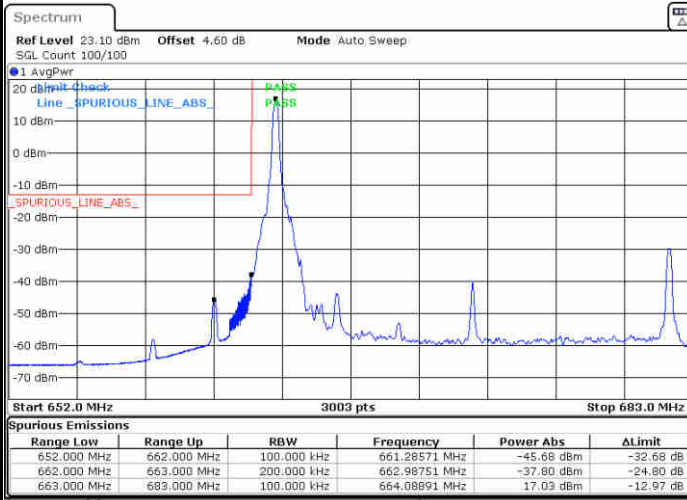


Date: 28 AUG 2020 13:01:36



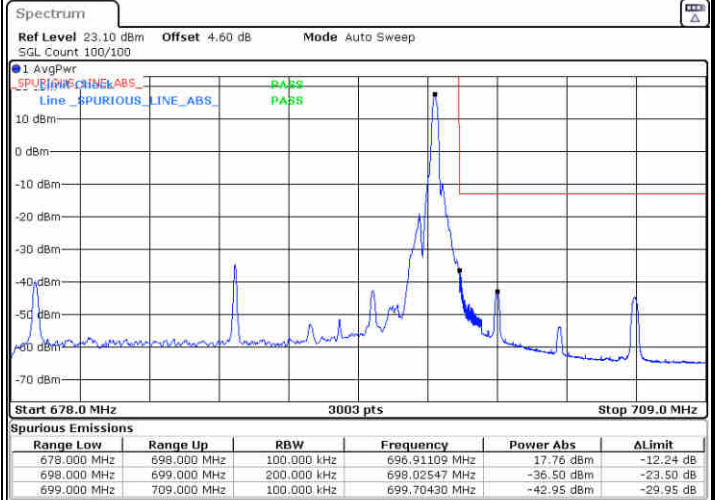
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



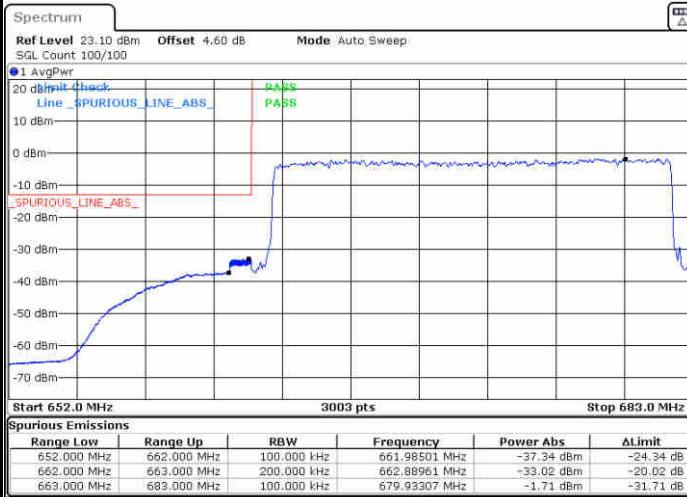
Date: 28 AUG 2020 12:46:19

Highest Band Edge / 1 RB



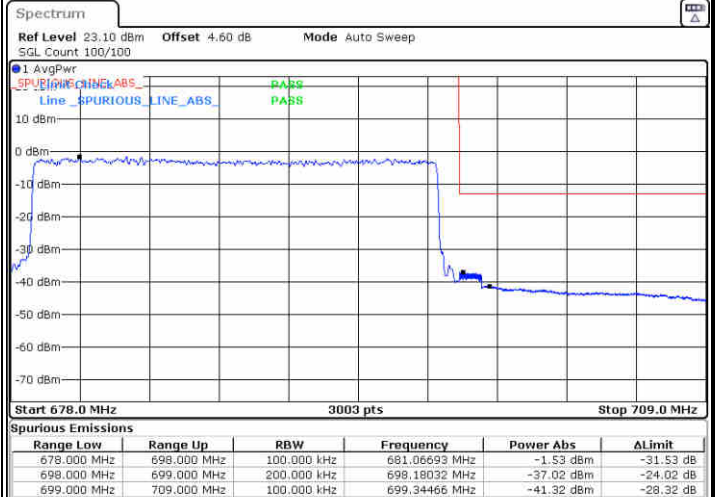
Date: 28 AUG 2020 13:05:28

Lowest Band Edge / Full RB



Date: 29 AUG 2020 12:45:20

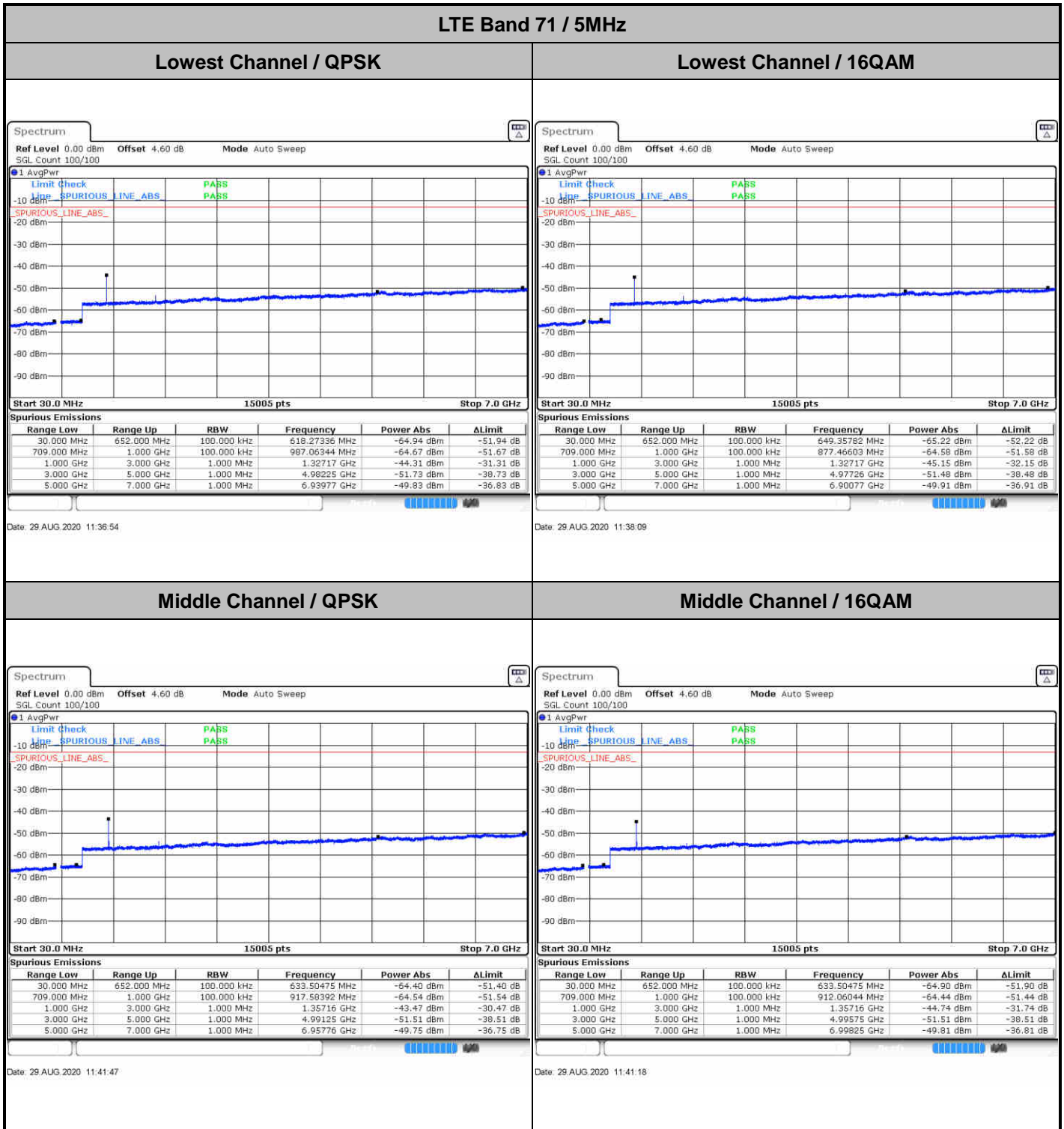
Highest Band Edge / Full RB



Date: 28 AUG 2020 12:58:33



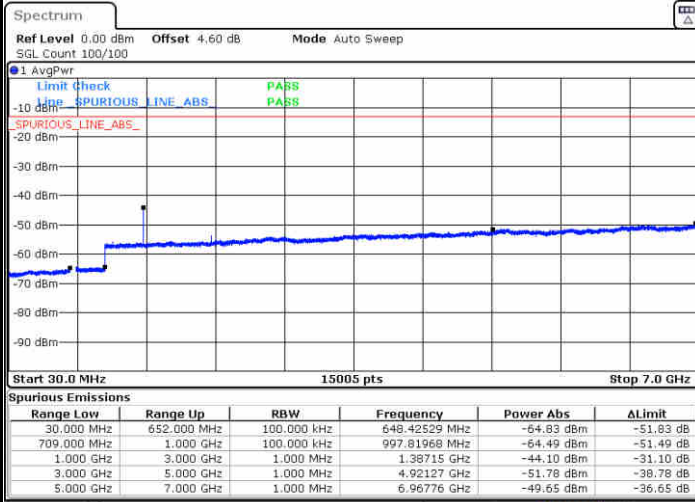
Conducted Spurious Emission





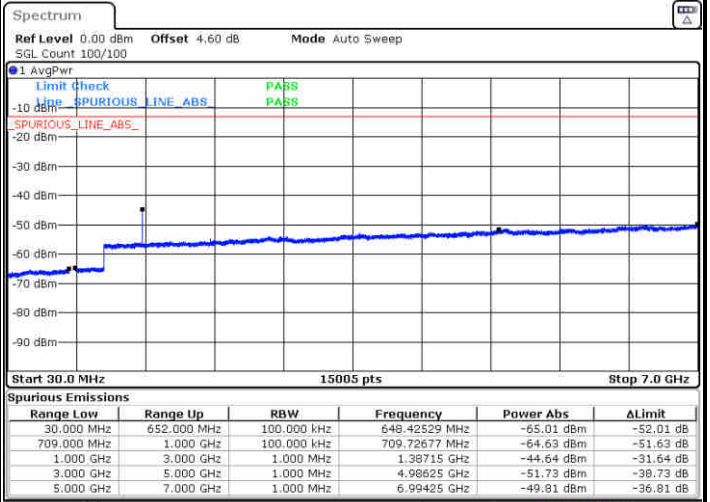
LTE Band 71 / 5MHz

Highest Channel / QPSK



Date: 29 AUG 2020 11:49:26

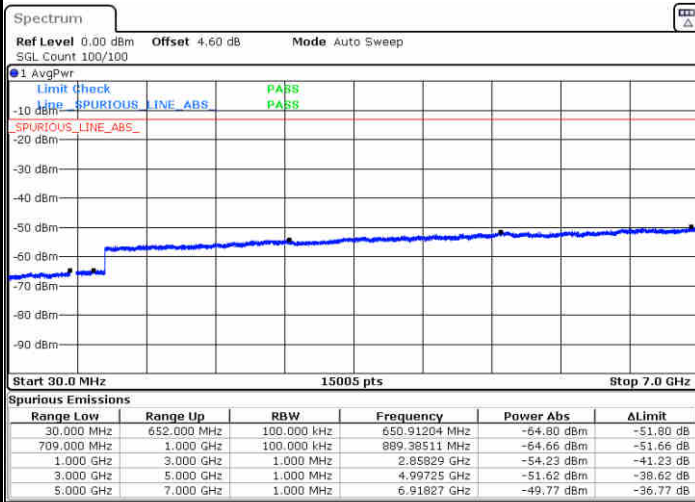
Highest Channel / 16QAM



Date: 29 AUG 2020 11:50:42

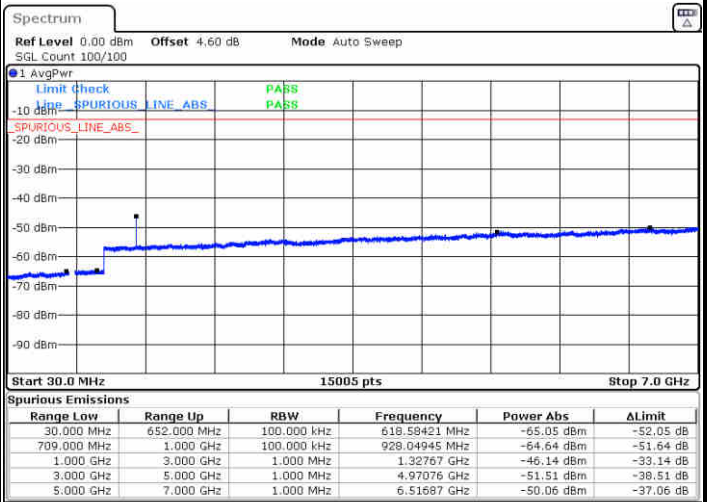
LTE Band 71 / 10MHz

Lowest Channel / QPSK



Date: 29 AUG 2020 12:02:47

Lowest Channel / 16QAM



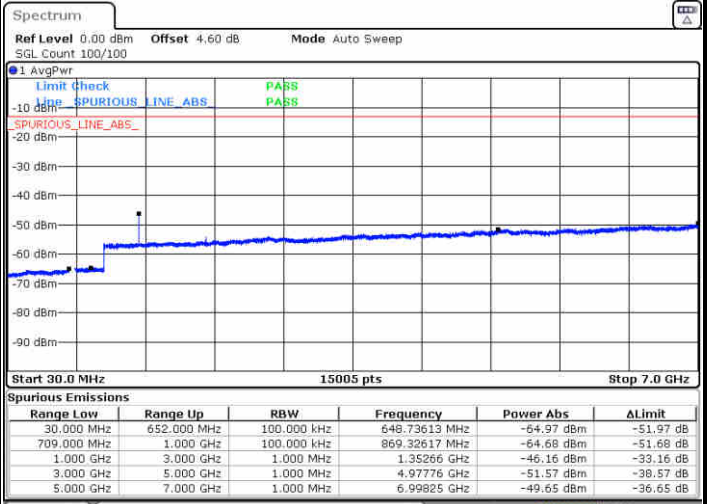
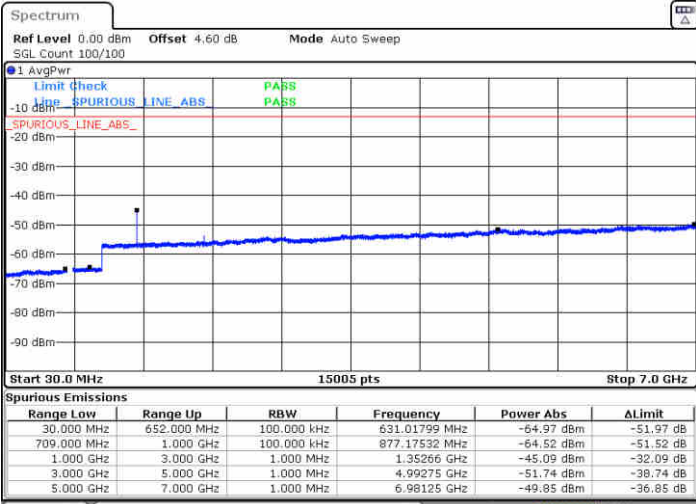
Date: 29 AUG 2020 12:00:32



LTE Band 71 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

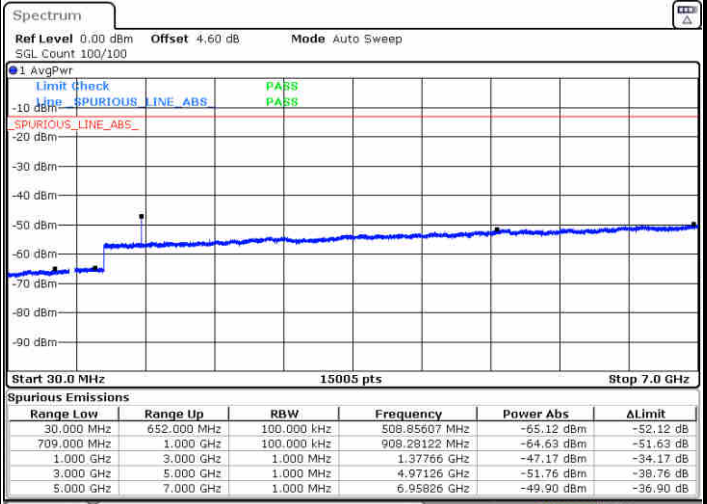
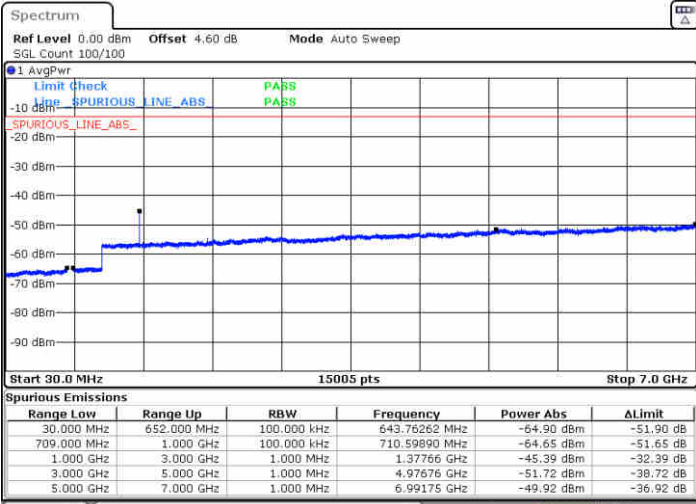


Date: 29 AUG 2020 12:03:33

Date: 29 AUG 2020 12:04:25

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29 AUG 2020 12:14:25

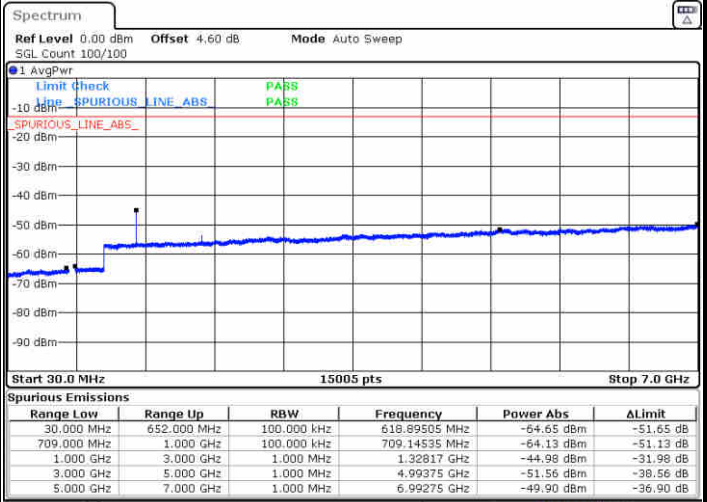
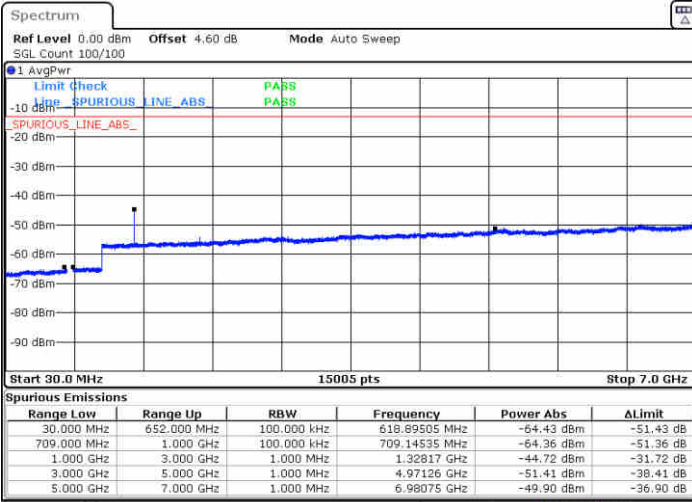
Date: 29 AUG 2020 12:13:54



LTE Band 71 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

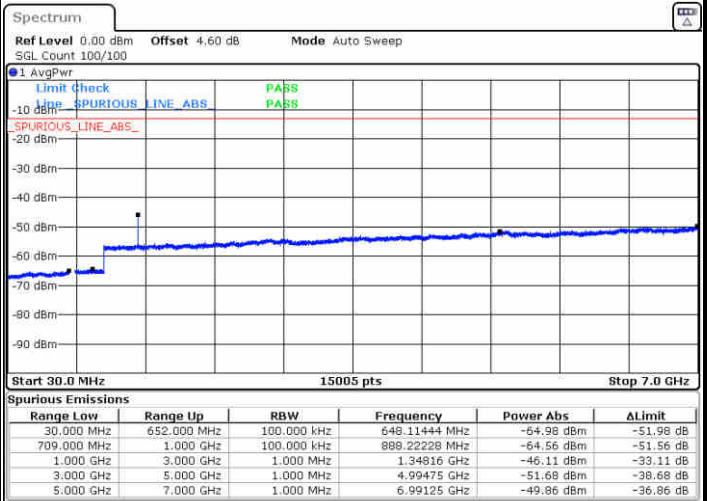
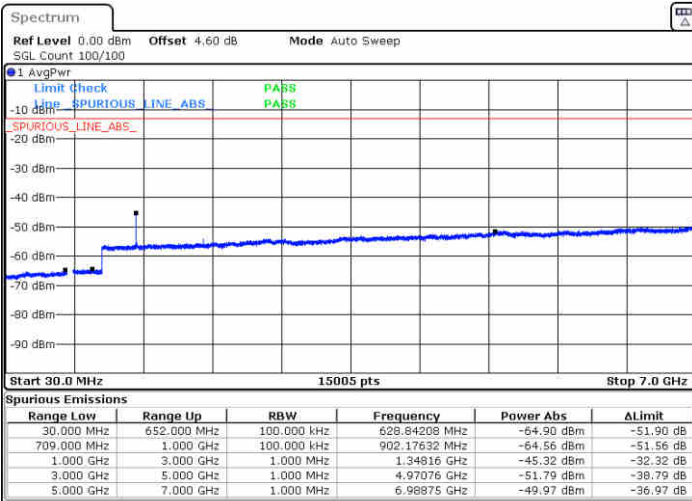


Date: 29 AUG 2020 12:28:28

Date: 29 AUG 2020 12:26:57

Middle Channel / QPSK

Middle Channel / 16QAM



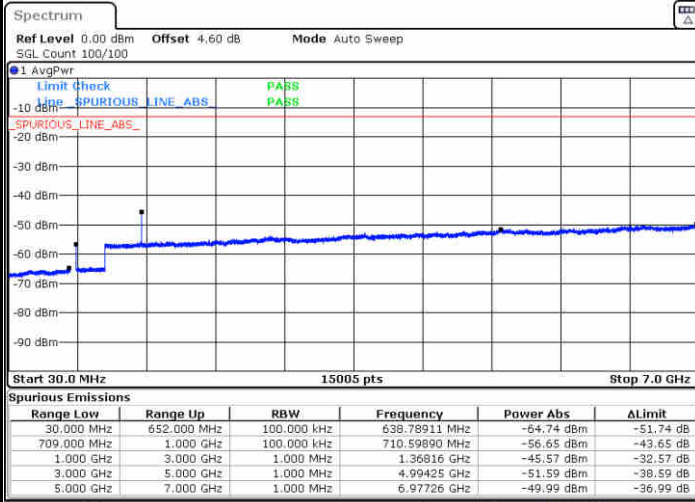
Date: 29 AUG 2020 12:29:26

Date: 29 AUG 2020 12:29:55



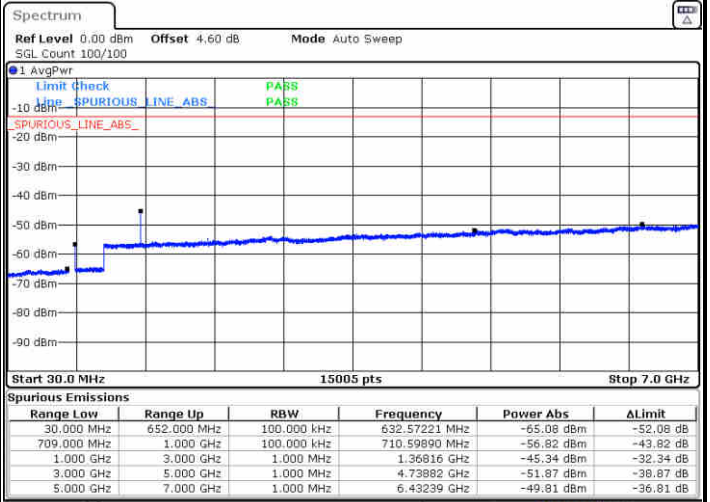
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 29 AUG 2020 12:37:49

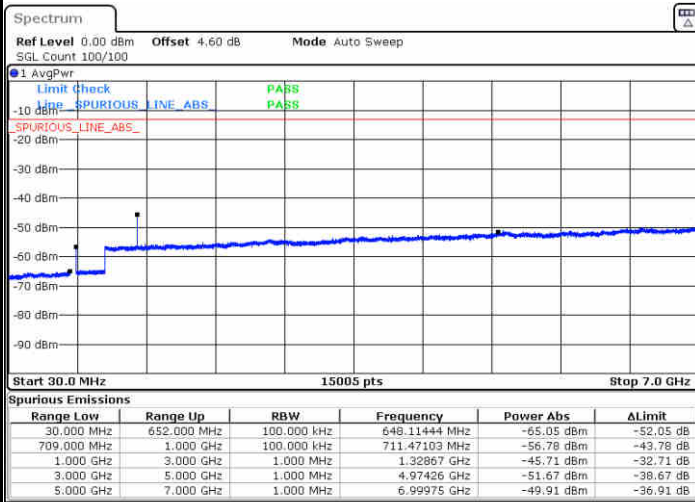
Highest Channel / 16QAM



Date: 29 AUG 2020 12:37:21

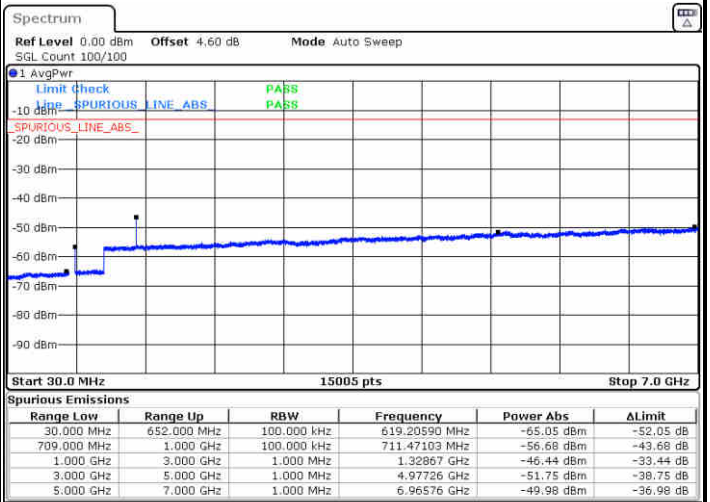
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 29 AUG 2020 12:49:00

Lowest Channel / 16QAM



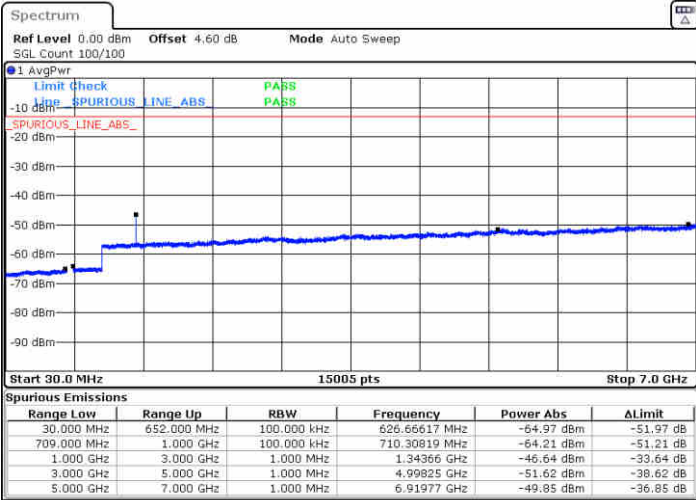
Date: 29 AUG 2020 12:48:01



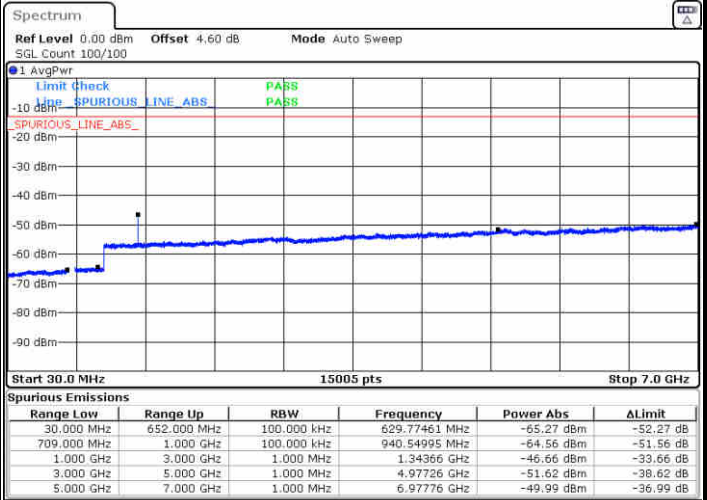
LTE Band 71 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



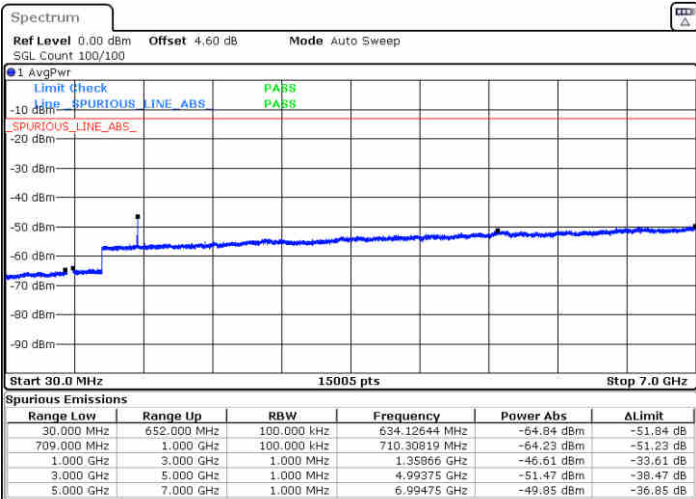
Date: 29 AUG 2020 12:49:39



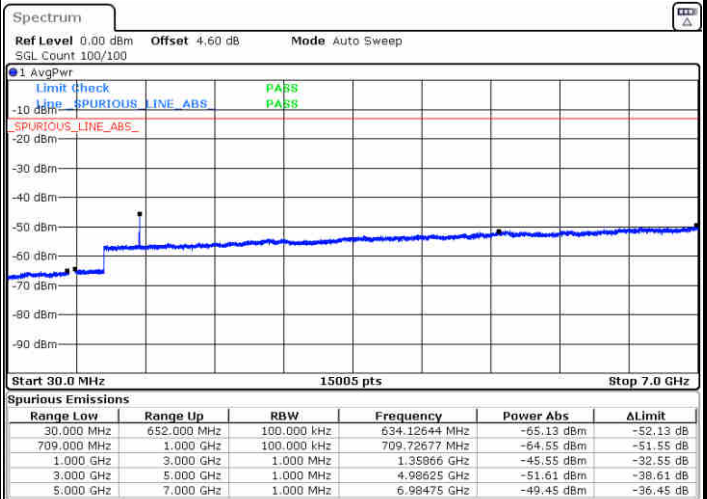
Date: 29 AUG 2020 12:51:23

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29 AUG 2020 13:03:28



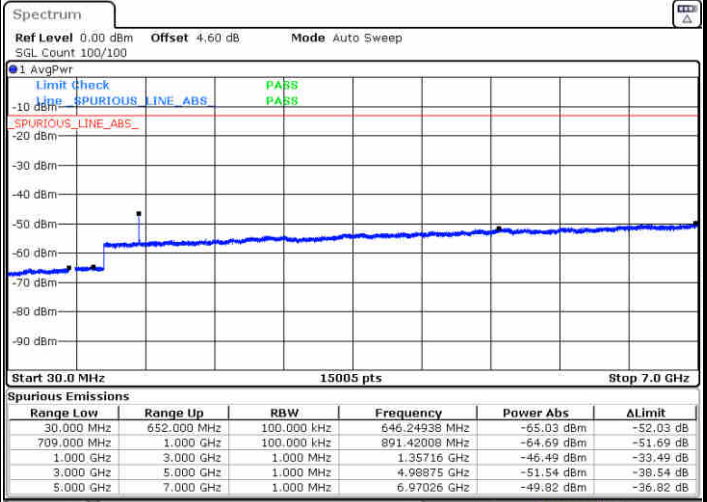
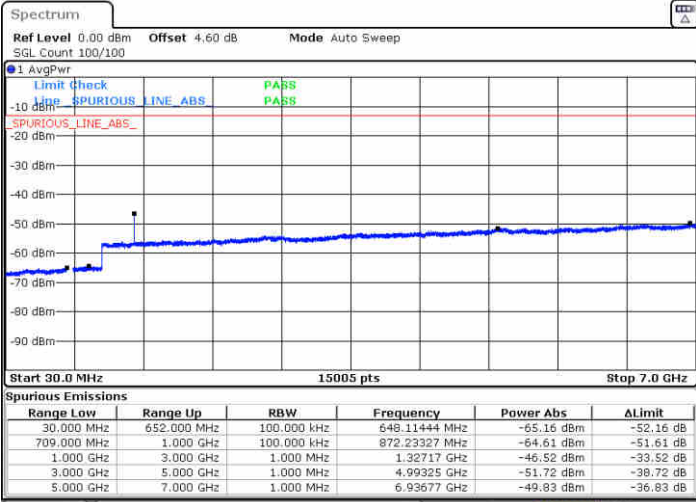
Date: 29 AUG 2020 13:04:18



LTE Band 71 / 5MHz

Lowest Channel / 64QAM

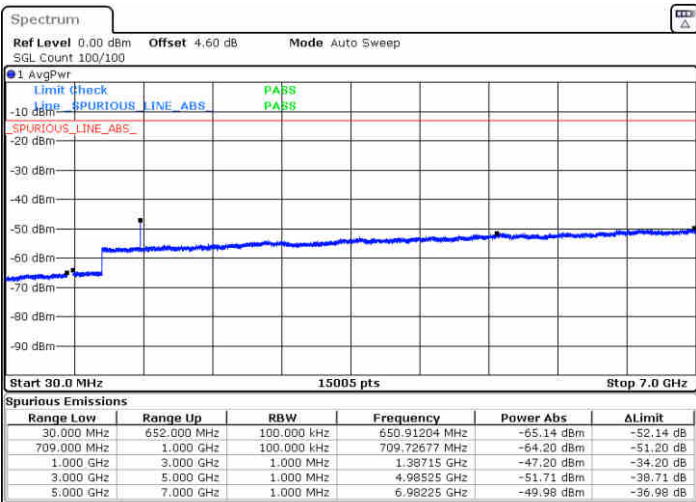
Middle Channel / 64QAM



Date: 29 AUG 2020 11:39:21

Date: 29 AUG 2020 11:40:27

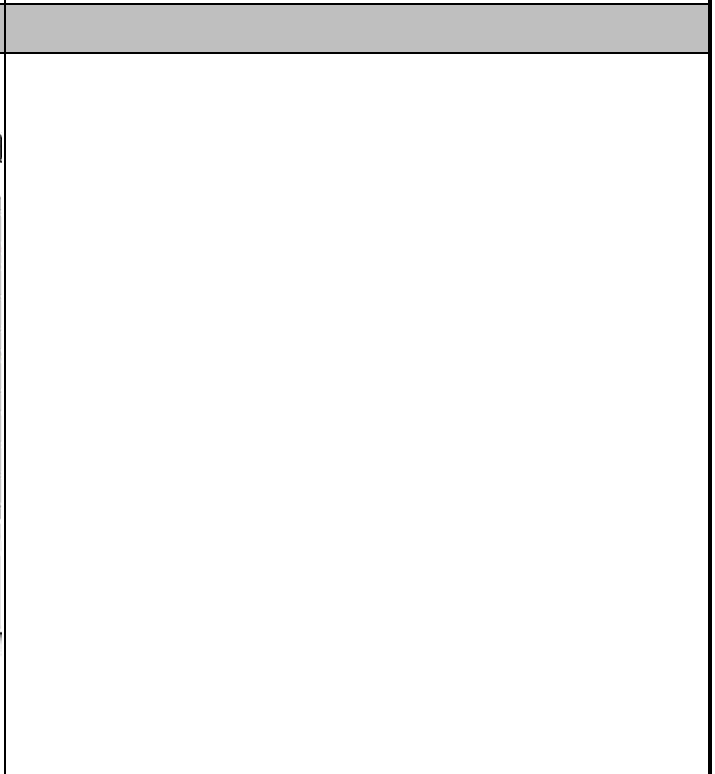
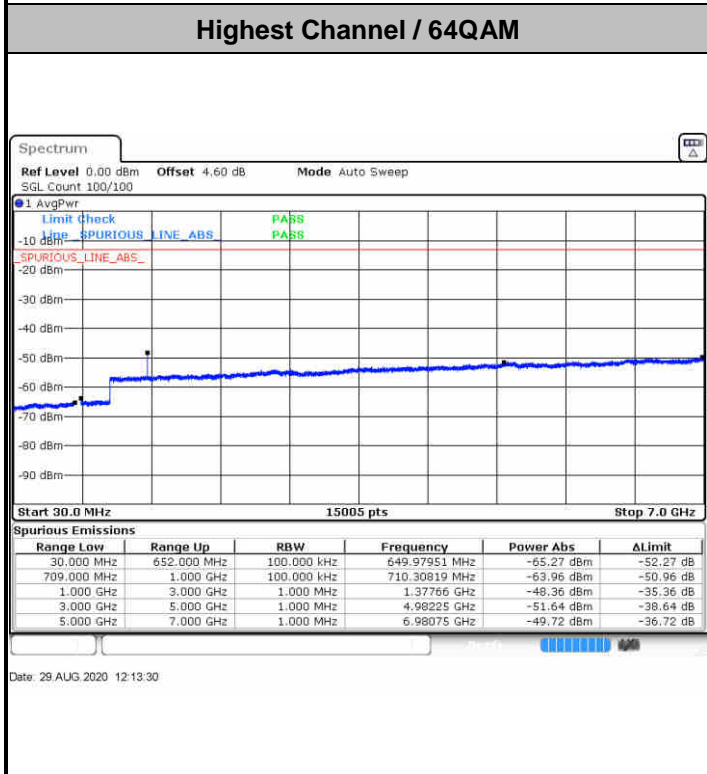
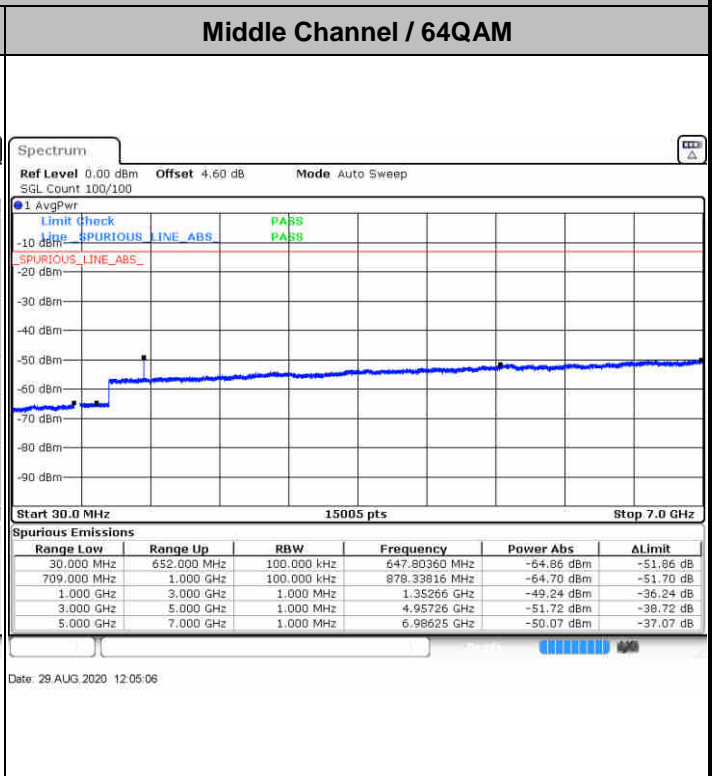
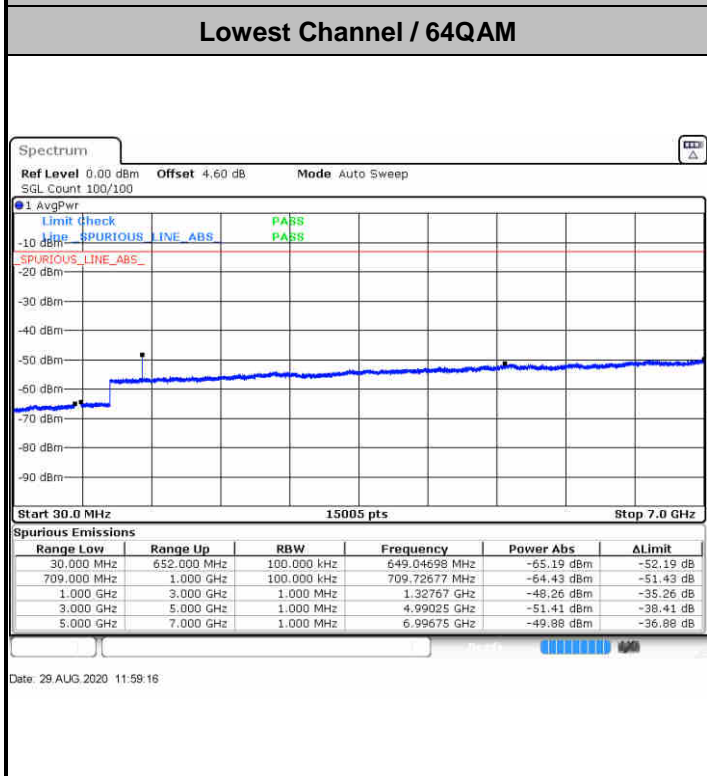
Highest Channel / 64QAM



Date: 29 AUG 2020 11:51:18



LTE Band 71 / 10MHz

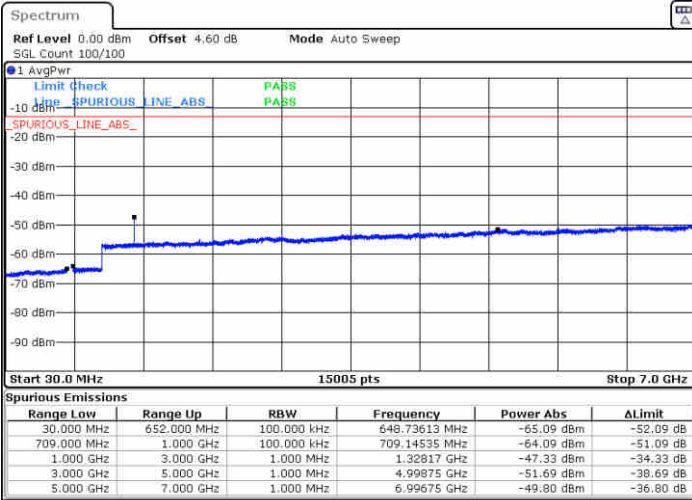




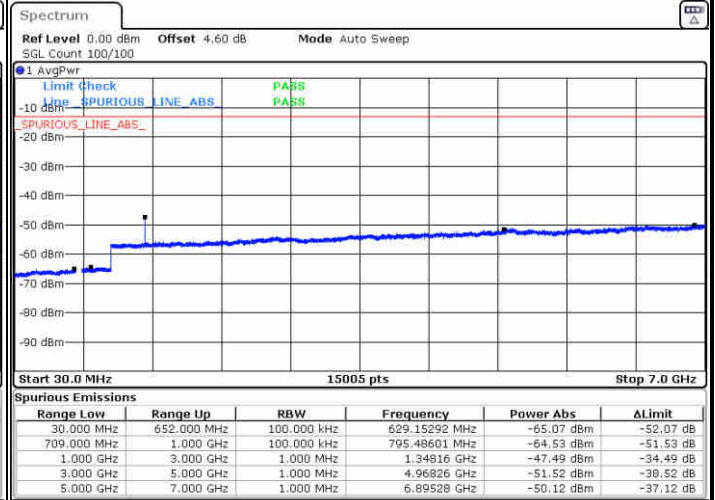
LTE Band 71 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

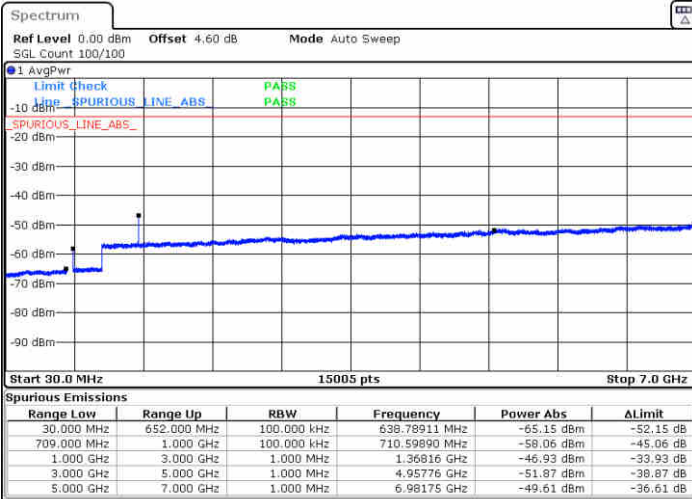


Date: 29 AUG 2020 12:25:52



Date: 29 AUG 2020 12:30:15

Highest Channel / 64QAM



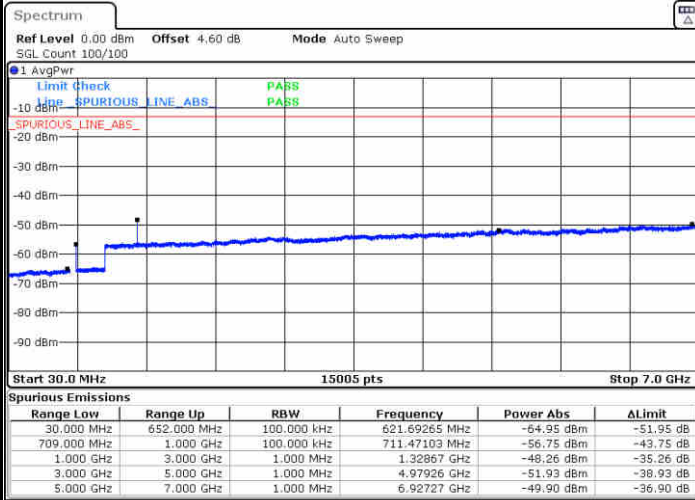
Date: 29 AUG 2020 12:36:57



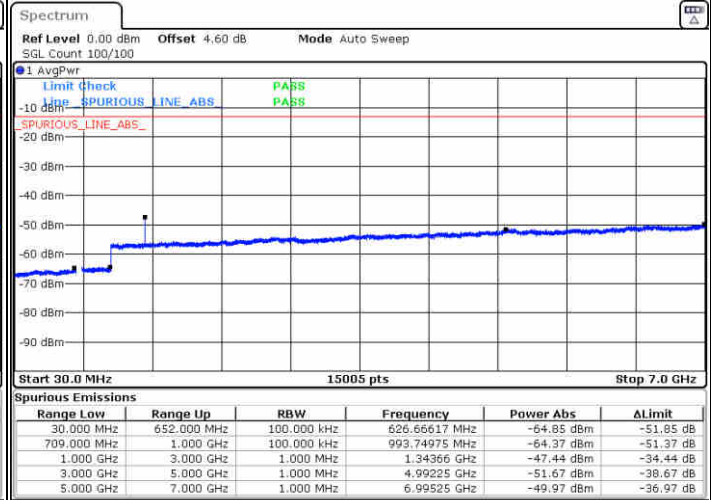
LTE Band 71 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

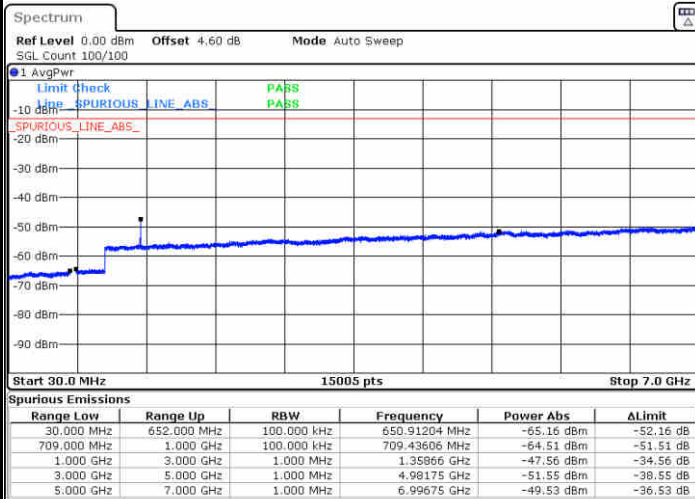


Date: 29 AUG 2020 12:46:55



Date: 29 AUG 2020 12:51:42

Highest Channel / 64QAM



Date: 29 AUG 2020 13:04:43



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	0.0050	PASS
40	Normal Voltage	0.0032	
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	0.0046	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0041	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 25 / 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)
Lowest	3702	-62.21	-13	-49.21	-74.47	2.641	14.90	H
	5553	-58.06	-13	-45.06	-69.92	2.94	14.80	H
	7404	-53.03	-13	-40.03	-62.80	3.39	13.16	H
	3702	-62.06	-13	-49.06	-74.32	2.64	14.90	V
	5553	-58.02	-13	-45.02	-69.88	2.94	14.80	V
	7404	-52.70	-13	-39.70	-62.47	3.39	13.16	V
Middle	3741	-61.88	-13	-48.88	-74.14	2.64	14.90	H
	5613	-57.35	-13	-44.35	-69.21	2.94	14.80	H
	7488	-52.43	-13	-39.43	-62.20	3.39	13.16	H
	3741	-61.79	-13	-48.79	-74.05	2.64	14.90	V
	5613	-57.59	-13	-44.59	-69.45	2.94	14.80	V
	7488	-52.50	-13	-39.50	-62.27	3.39	13.16	V
Highest	3792	-61.78	-13	-48.78	-74.04	2.64	14.90	H
	5688	-58.20	-13	-45.20	-70.06	2.94	14.80	H
	7584	-52.85	-13	-39.85	-62.62	3.39	13.16	H
	3792	-61.70	-13	-48.70	-73.96	2.64	14.90	V
	5688	-57.88	-13	-44.88	-69.74	2.94	14.80	V
	7584	-52.03	-13	-39.03	-61.80	3.39	13.16	V

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



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)
Lowest	1650	-65.81	-13	-52.81	-72.78	1.58	10.70	H
	2474	-52.18	-13	-39.18	-60.43	2.102	12.50	H
	3300	-64.92	-13	-51.92	-73.81	2.856	13.90	H
	1650	-66.01	-13	-53.01	-72.98	1.58	10.70	V
	2474	-49.68	-13	-36.68	-57.93	2.10	12.50	V
	3300	-64.80	-13	-51.80	-73.69	2.86	13.90	V
Middle	1660	-66.09	-13	-53.09	-73.06	1.58	10.70	H
	2490	-49.19	-13	-36.19	-57.44	2.102	12.50	H
	3318	-65.05	-13	-52.05	-73.94	2.856	13.90	H
	1660	-65.59	-13	-52.59	-72.56	1.58	10.70	V
	2490	-47.71	-13	-34.71	-55.96	2.10	12.50	V
	3318	-64.98	-13	-51.98	-73.87	2.86	13.90	V
Highest	1670	-65.06	-13	-52.06	-72.03	1.58	10.70	H
	2504	-49.41	-13	-36.41	-57.66	2.102	12.50	H
	3342	-64.62	-13	-51.62	-73.51	2.856	13.90	H
	1670	-64.01	-13	-51.01	-70.98	1.58	10.70	V
	2504	-45.54	-13	-32.54	-53.79	2.10	12.50	V
	3342	-64.96	-13	-51.96	-73.85	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)
Lowest	3423	-62.61	-13	-49.61	-73.35	2.604	13.34	H
	5133	-58.80	-13	-45.80	-69.31	3.011	13.52	H
	6840	-55.08	-13	-42.08	-65.28	3.271	13.47	H
	3423	-62.64	-13	-49.64	-73.38	2.604	13.34	V
	5133	-58.52	-13	-45.52	-69.03	3.011	13.52	V
	6840	-54.67	-13	-41.67	-64.87	3.271	13.47	V
Middle	3471	-62.93	-13	-49.93	-73.67	2.604	13.34	H
	5208	-58.59	-13	-45.59	-69.10	3.011	13.52	H
	6948	-54.83	-13	-41.83	-65.03	3.271	13.47	H
	3471	-62.85	-13	-49.85	-73.59	2.604	13.34	V
	5208	-58.58	-13	-45.58	-69.09	3.011	13.52	V
	6948	-54.50	-13	-41.50	-64.70	3.271	13.47	V
Highest	3522	-62.79	-13	-49.79	-73.53	2.604	13.34	H
	5283	-58.48	-13	-45.48	-68.99	3.011	13.52	H
	7044	-54.01	-13	-41.01	-64.21	3.271	13.47	H
	3522	-62.49	-13	-49.49	-73.23	2.604	13.34	V
	5283	-58.49	-13	-45.49	-69.00	3.011	13.52	V
	7044	-53.71	-13	-40.71	-63.91	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)
Lowest	1328	-69.47	-13	-56.47	-71.22	1.02	4.92	H
	1992	-67.54	-13	-54.54	-69.51	1.27	5.39	H
	2656	-65.35	-13	-52.35	-68.28	1.49	6.57	H
	1328	-69.04	-13	-56.04	-70.79	1.02	4.92	V
	1992	-67.26	-13	-54.26	-69.23	1.27	5.39	V
	2656	-65.32	-13	-52.32	-68.25	1.49	6.57	V
Middle	1348	-68.81	-13	-55.81	-70.56	1.02	4.92	H
	2022	-67.47	-13	-54.47	-69.44	1.27	5.39	H
	2696	-65.34	-13	-52.34	-68.27	1.49	6.57	H
	1348	-68.37	-13	-55.37	-70.12	1.02	4.92	V
	2022	-67.39	-13	-54.39	-69.36	1.27	5.39	V
	2696	-65.37	-13	-52.37	-68.30	1.49	6.57	V
Highest	1358	-69.17	-13	-56.17	-70.92	1.02	4.92	H
	2038	-67.71	-13	-54.71	-69.68	1.27	5.39	H
	2716	-65.39	-13	-52.39	-68.32	1.49	6.57	H
	1358	-69.15	-13	-56.15	-70.90	1.02	4.92	V
	2038	-67.91	-13	-54.91	-69.88	1.27	5.39	V
	2716	-65.37	-13	-52.37	-68.30	1.49	6.57	V

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