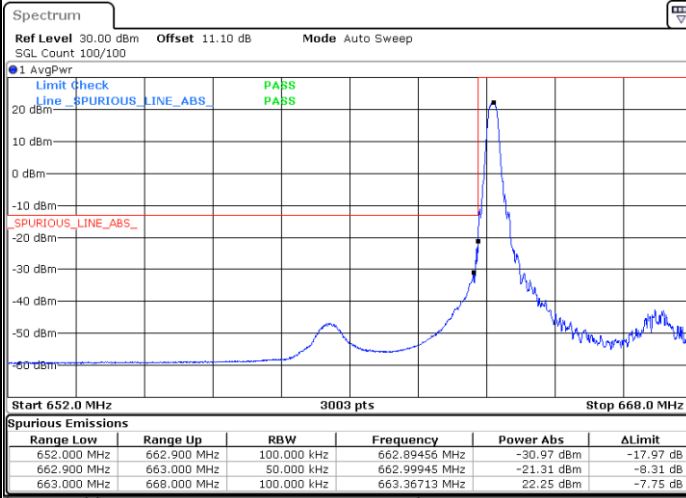




Conducted Band Edge

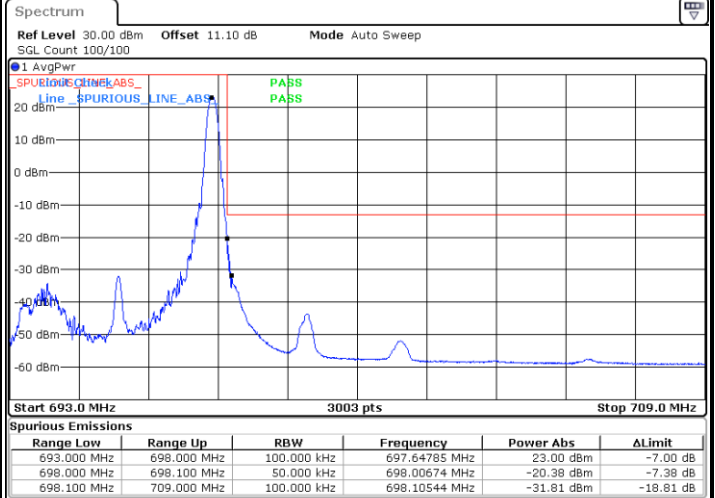
LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



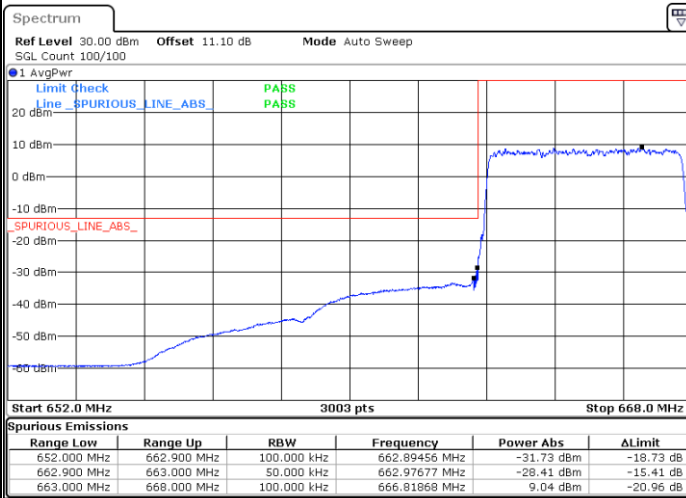
Date: 24 MAR 2021 03:25:32

Highest Band Edge / 1 RB



Date: 24 MAR 2021 03:32:53

Lowest Band Edge / Full RB



Date: 24 MAR 2021 03:27:10

Highest Band Edge / Full RB

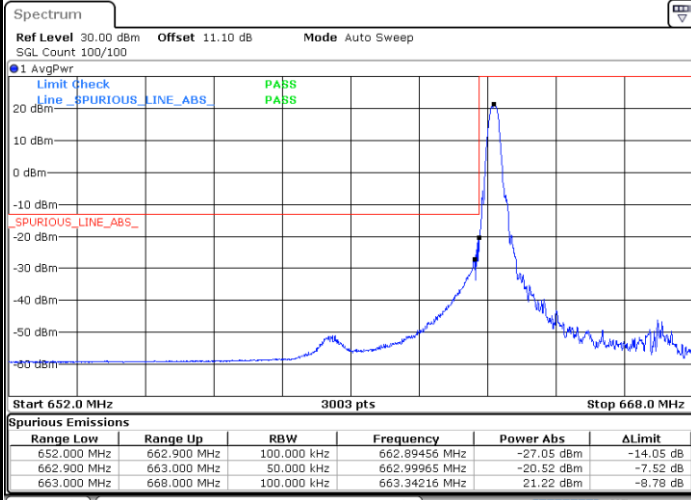


Date: 24 MAR 2021 03:34:33



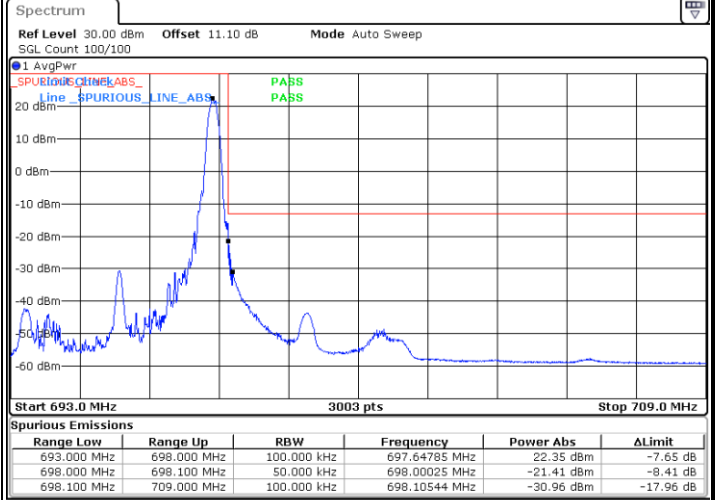
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1RB



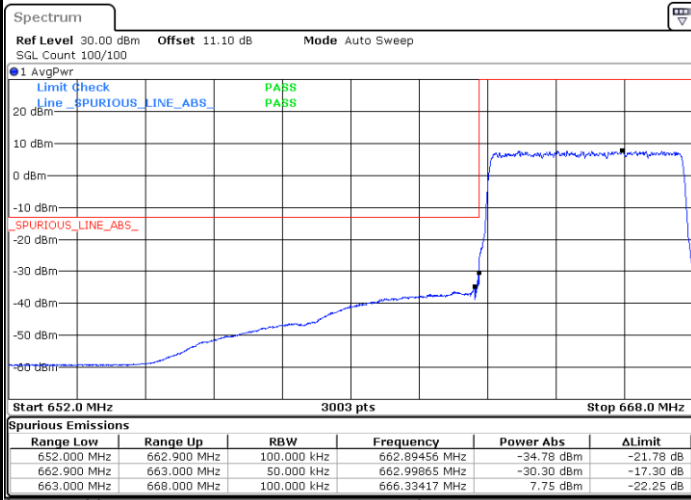
Date: 24 MAR 2021 03:26:22

Highest Band Edge / 1 RB



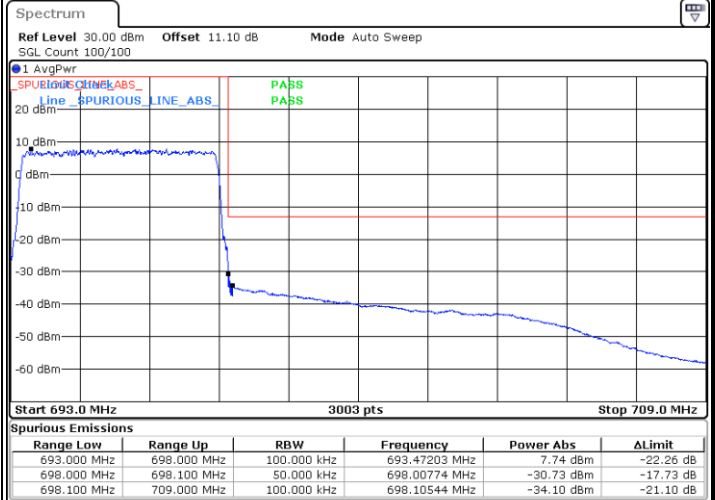
Date: 24 MAR 2021 03:33:43

Lowest Band Edge / Full RB



Date: 24 MAR 2021 03:28:00

Highest Band Edge / Full RB

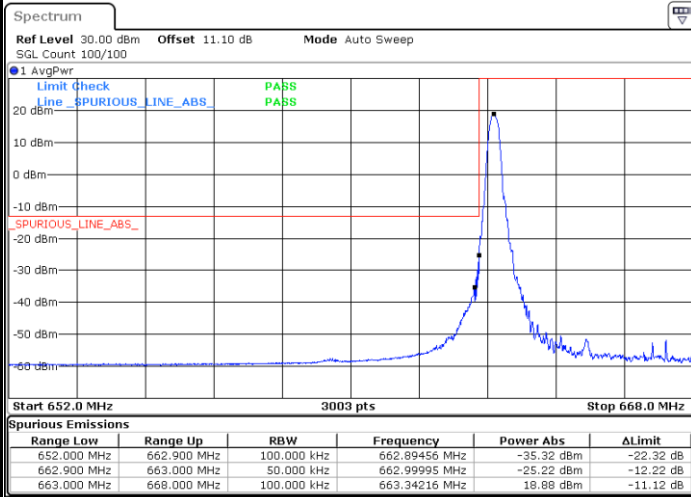


Date: 24 MAR 2021 03:35:22



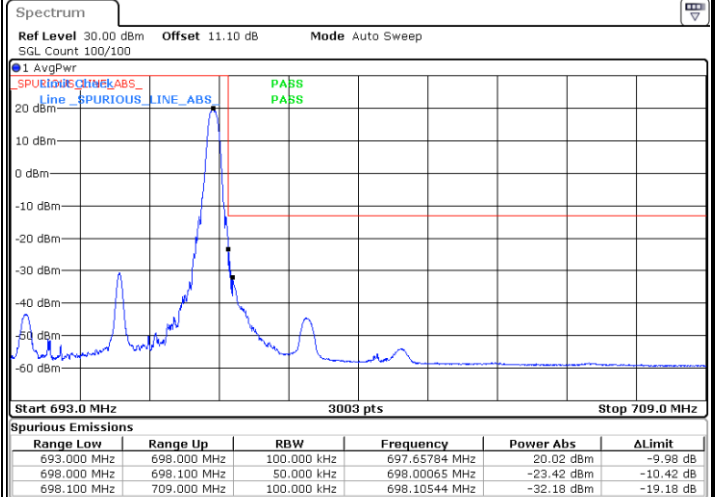
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



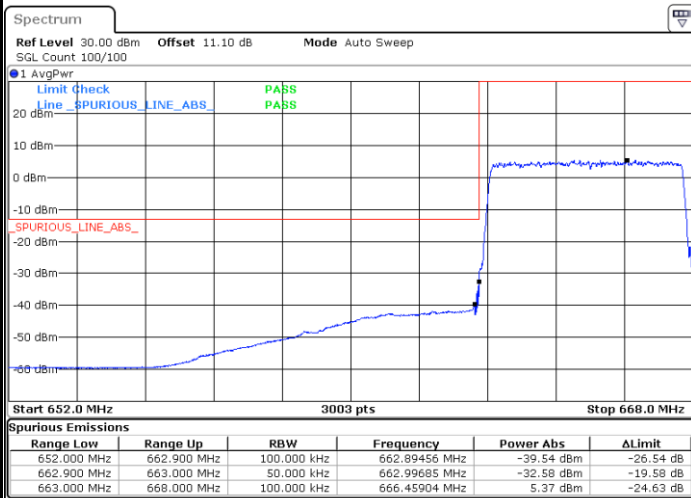
Date: 24 MAR 2021 20:42:27

Highest Band Edge / 1 RB



Date: 24 MAR 2021 20:44:46

Lowest Band Edge / Full RB



Date: 24 MAR 2021 20:43:17

Highest Band Edge / Full RB

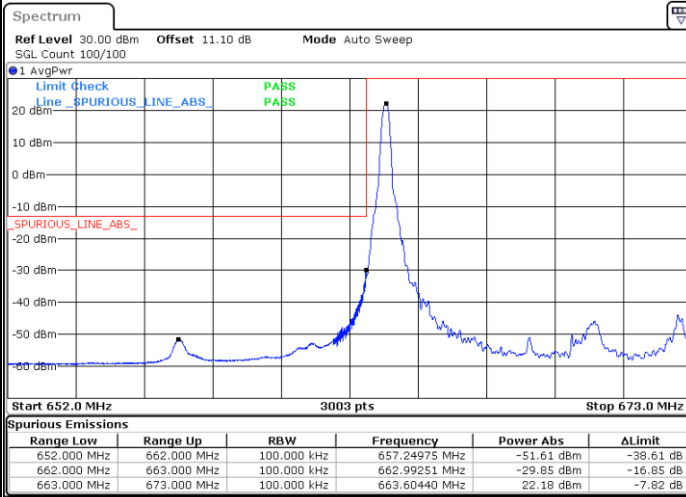


Date: 24 MAR 2021 20:45:36



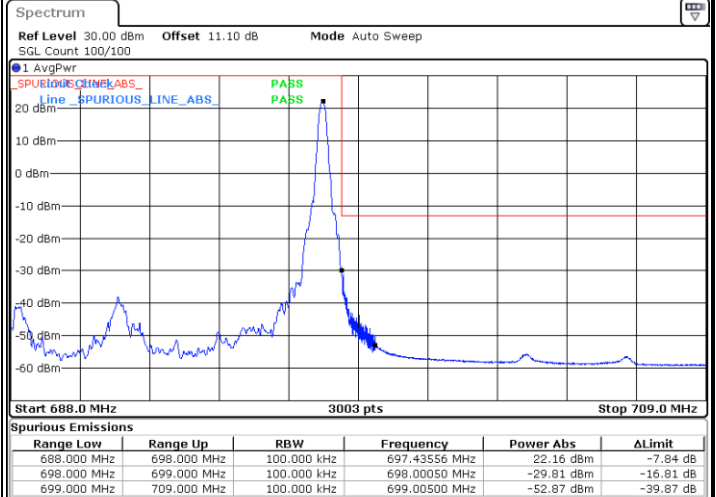
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / 1 RB



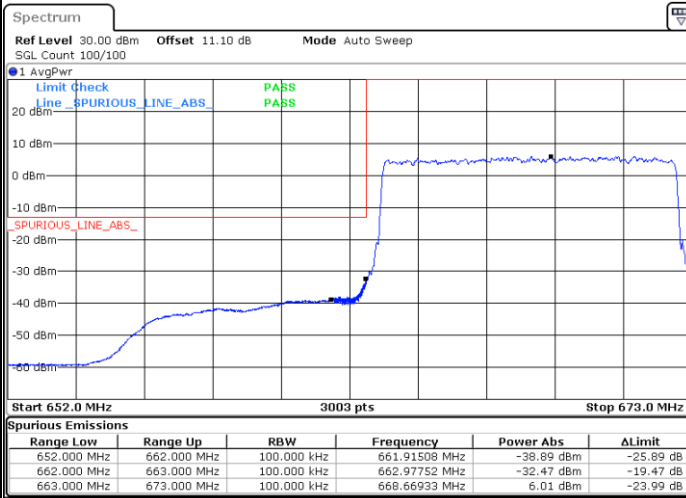
Date: 24 MAR 2021 03:41:25

Highest Band Edge / 1 RB



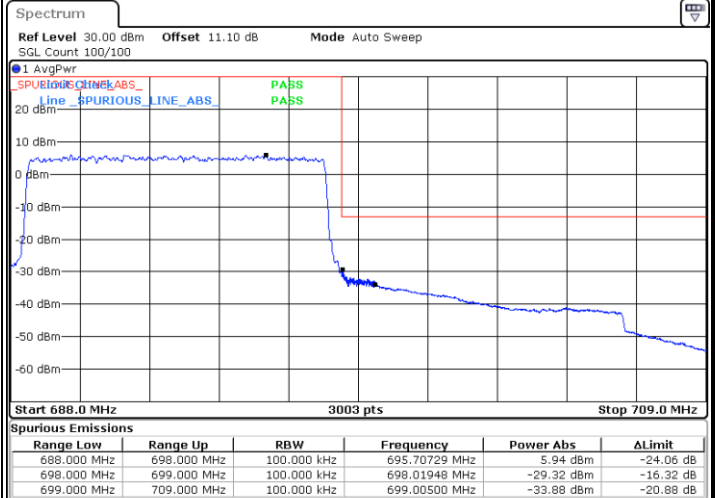
Date: 24 MAR 2021 03:48:47

Lowest Band Edge / Full RB



Date: 24 MAR 2021 03:43:03

Highest Band Edge / Full RB

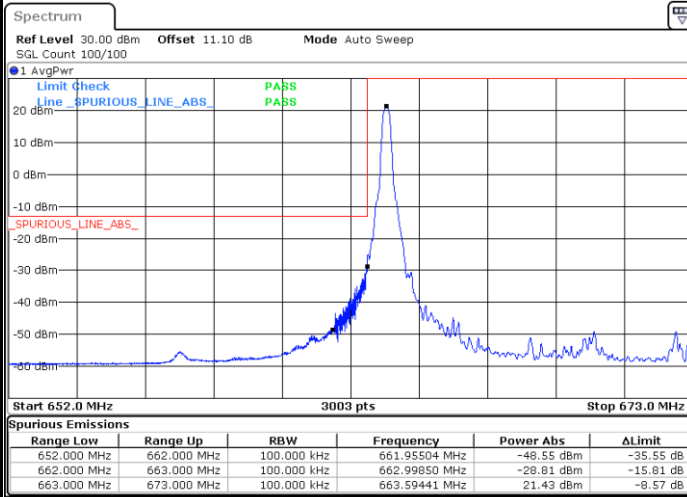


Date: 24 MAR 2021 03:50:25



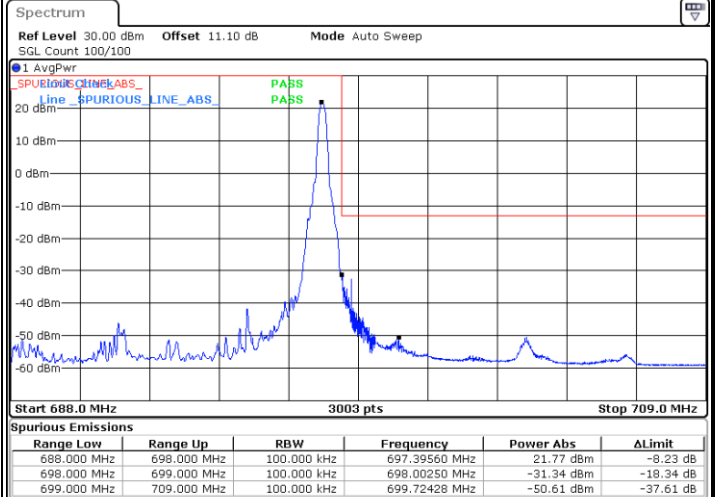
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



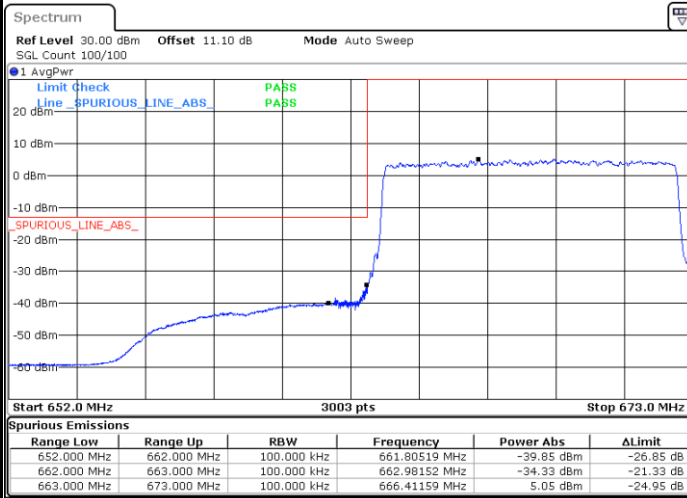
Date: 24 MAR 2021 03:42:14

Highest Band Edge / 1 RB



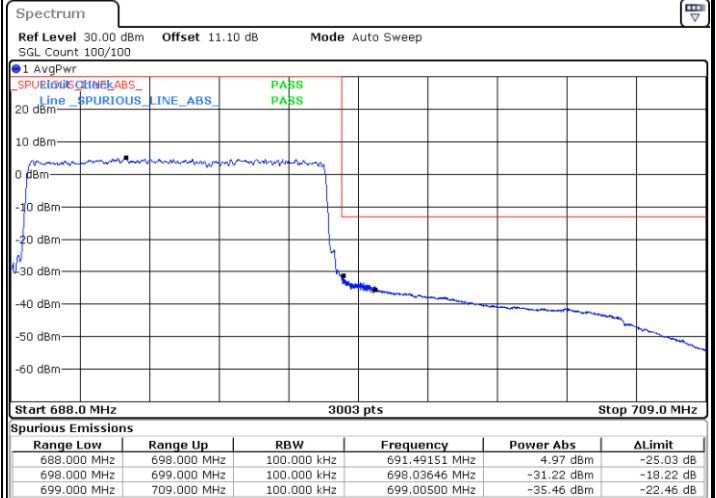
Date: 24 MAR 2021 03:49:36

Lowest Band Edge / Full RB



Date: 24 MAR 2021 03:43:53

Highest Band Edge / Full RB

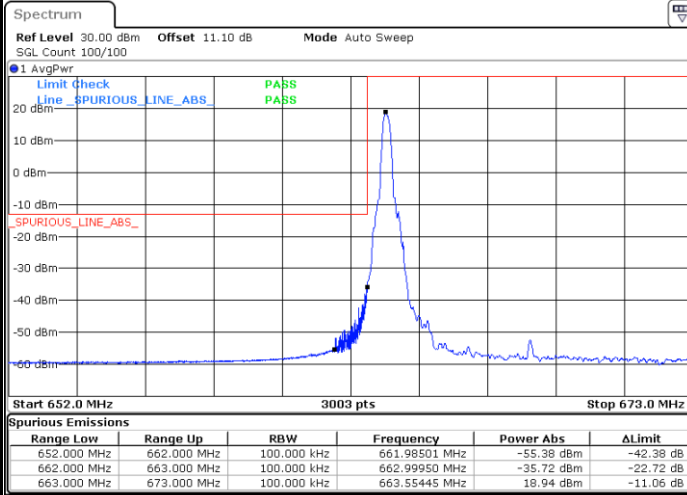


Date: 24 MAR 2021 03:51:15



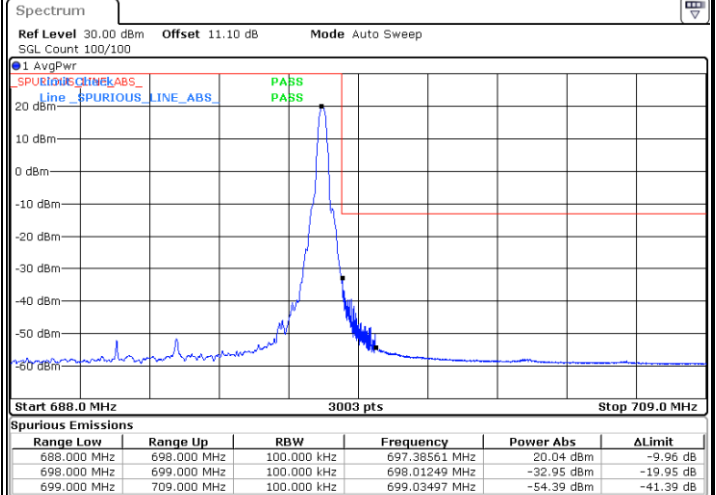
LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



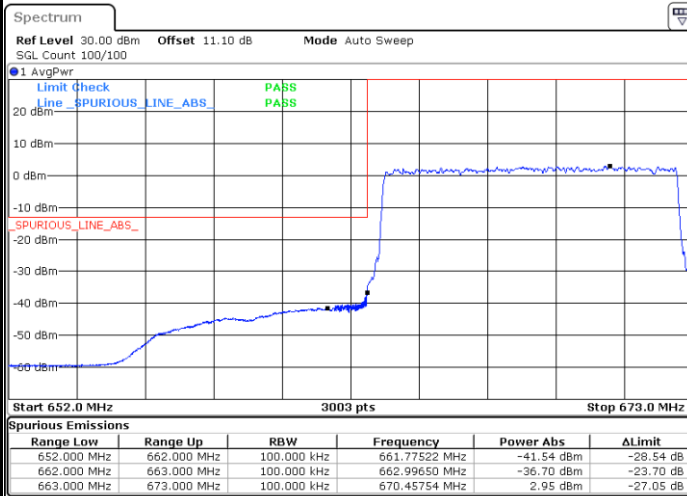
Date: 24 MAR 2021 20:46:26

Highest Band Edge / 1 RB



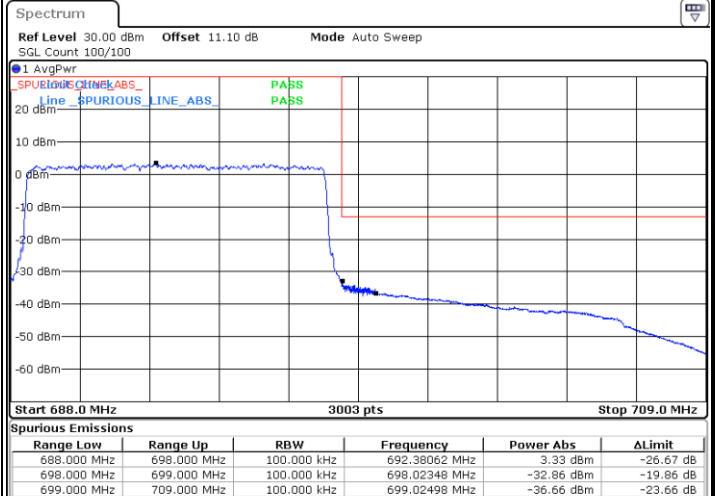
Date: 24 MAR 2021 20:48:44

Lowest Band Edge / Full RB



Date: 24 MAR 2021 20:47:16

Highest Band Edge / Full RB

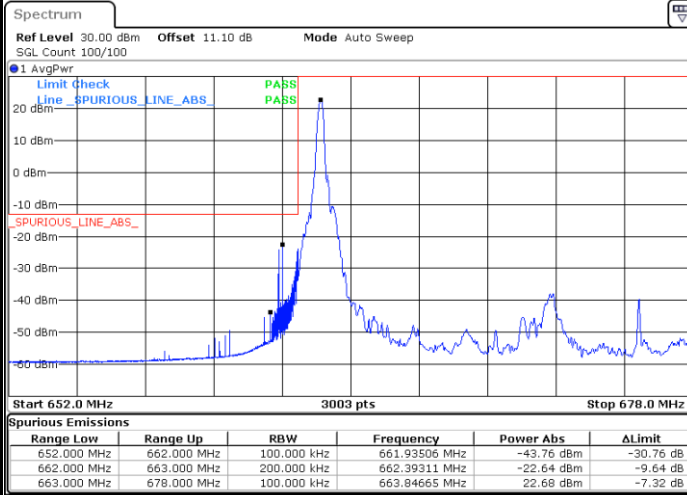


Date: 24 MAR 2021 20:49:32



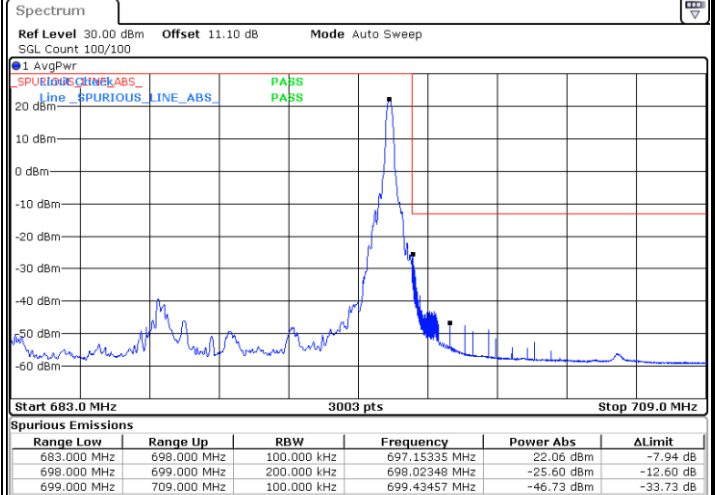
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / 1 RB



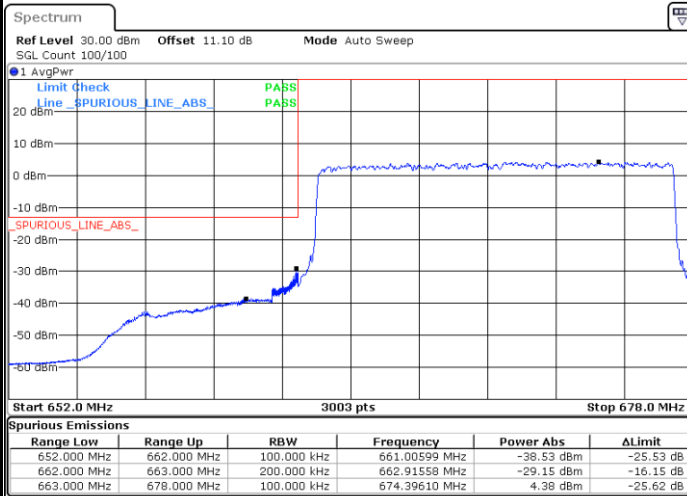
Date: 24 MAR 2021 03:57:17

Highest Band Edge / 1 RB



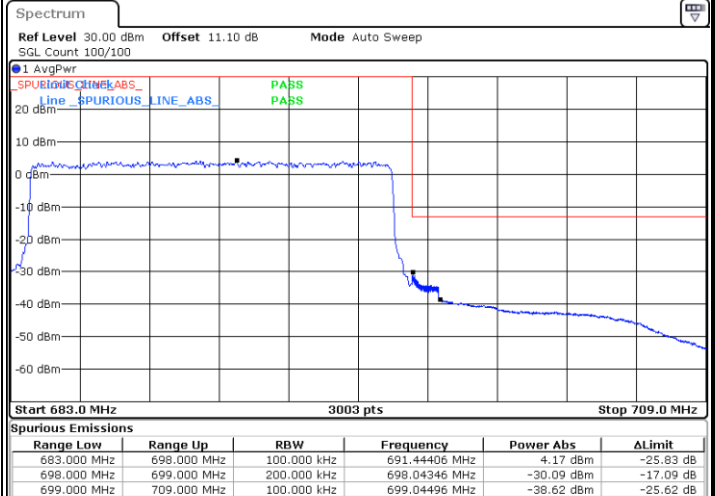
Date: 24 MAR 2021 04:04:39

Lowest Band Edge / Full RB



Date: 24 MAR 2021 03:58:55

Highest Band Edge / Full RB

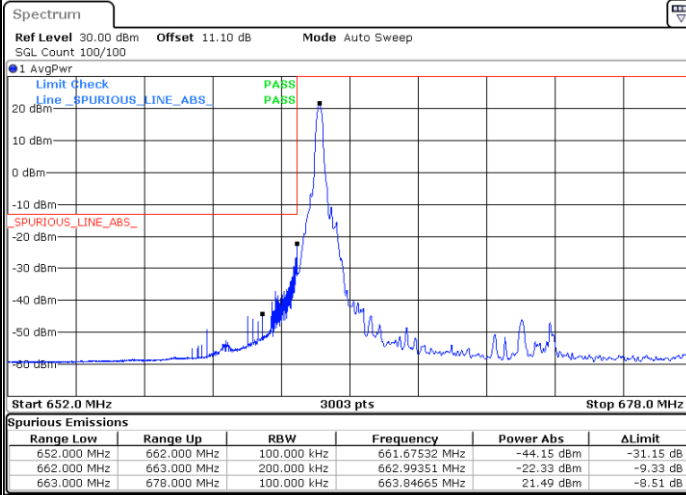


Date: 24 MAR 2021 04:06:18



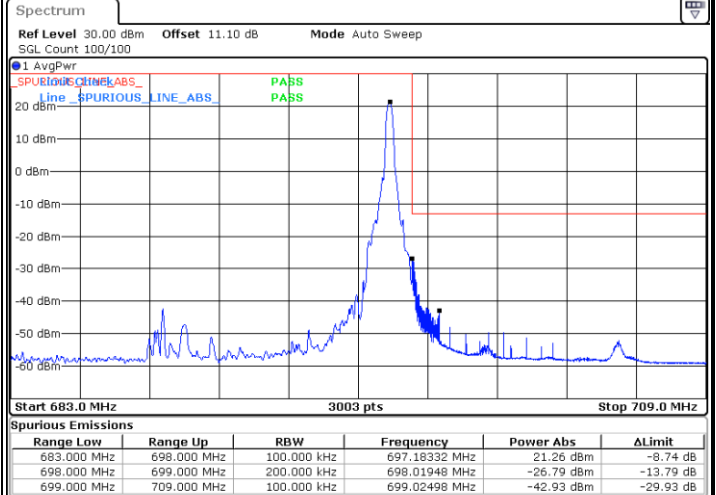
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



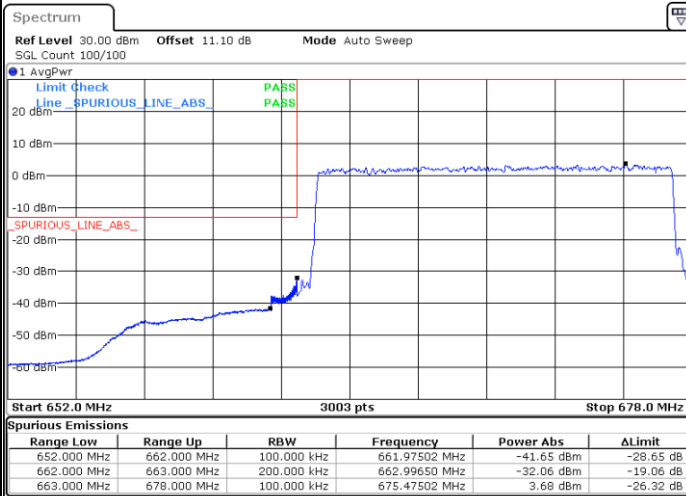
Date: 24 MAR 2021 03:58:06

Highest Band Edge / 1 RB



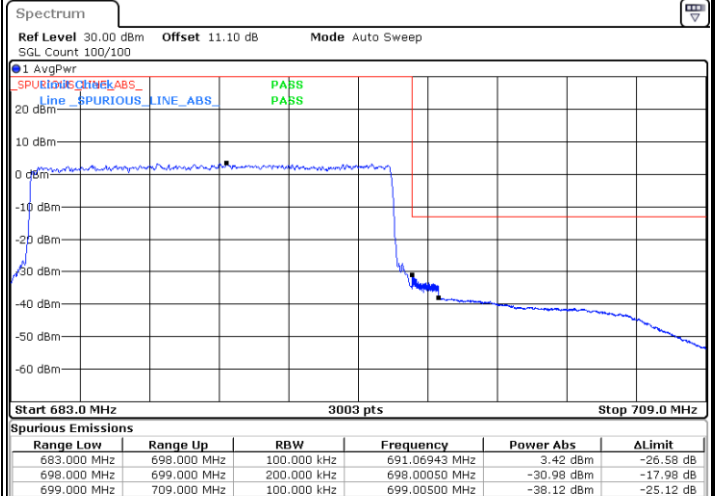
Date: 24 MAR 2021 04:05:28

Lowest Band Edge / Full RB



Date: 24 MAR 2021 03:59:45

Highest Band Edge / Full RB

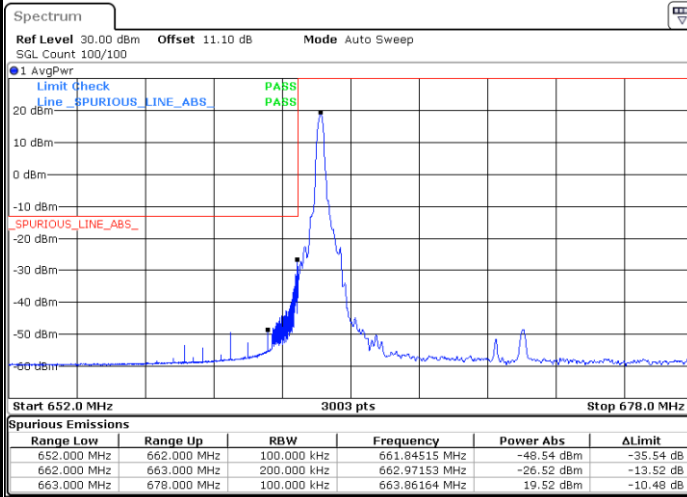


Date: 24 MAR 2021 04:07:08



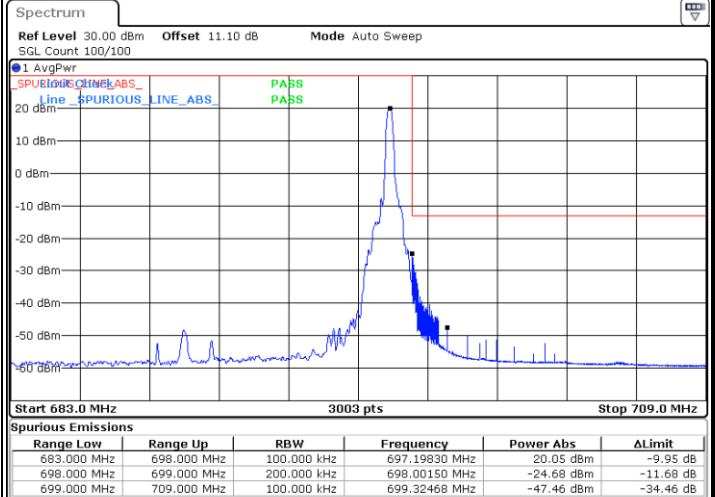
LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



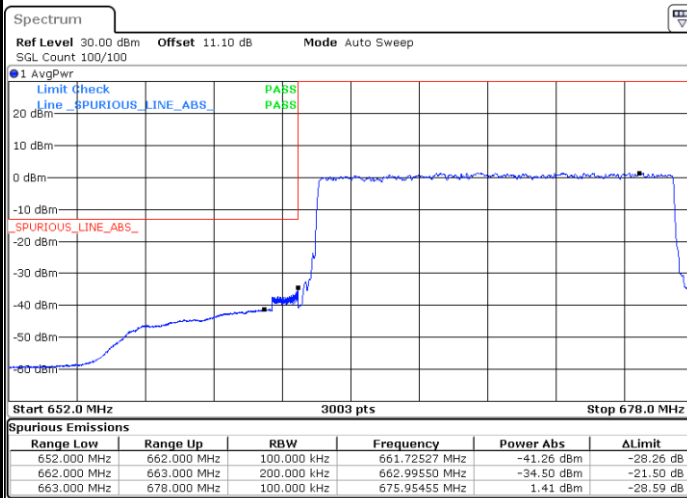
Date: 24 MAR 2021 20:50:22

Highest Band Edge / 1 RB



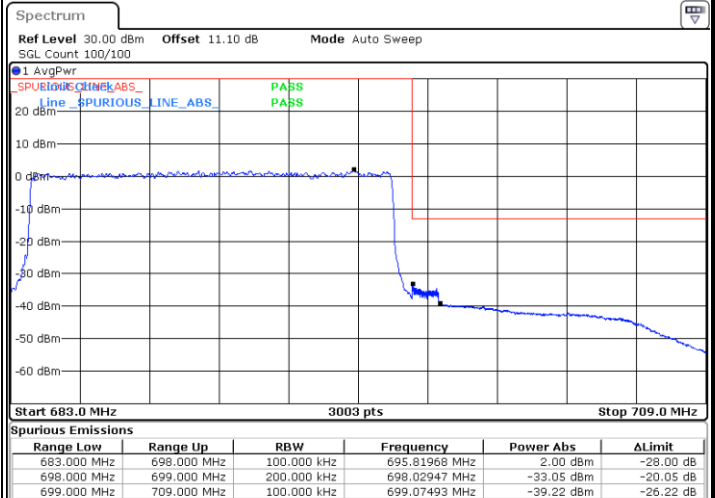
Date: 24 MAR 2021 20:52:40

Lowest Band Edge / Full RB



Date: 24 MAR 2021 20:51:12

Highest Band Edge / Full RB

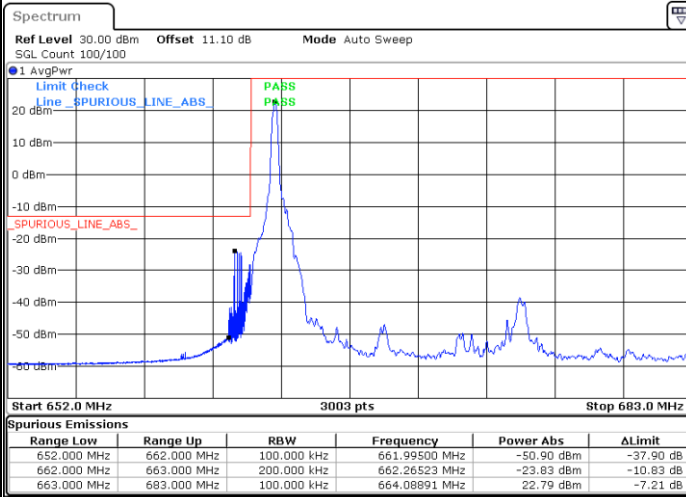


Date: 24 MAR 2021 20:53:30



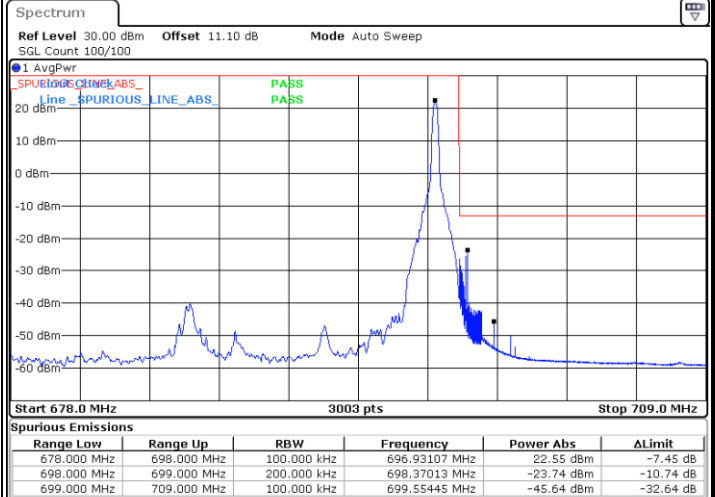
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / 1 RB



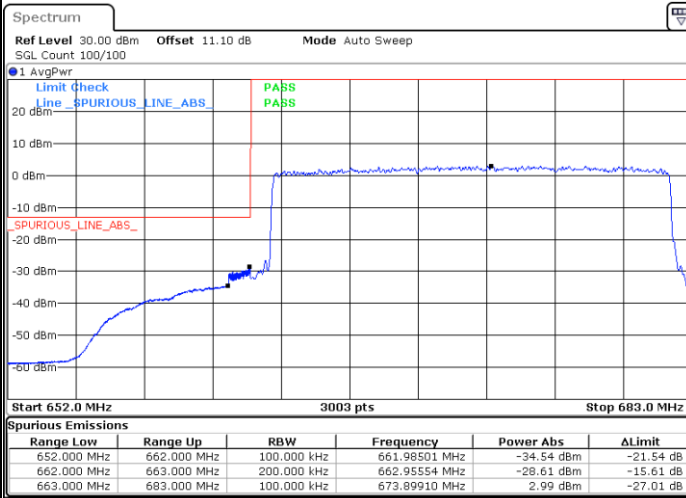
Date: 24 MAR 2021 04:13:09

Highest Band Edge / 1 RB



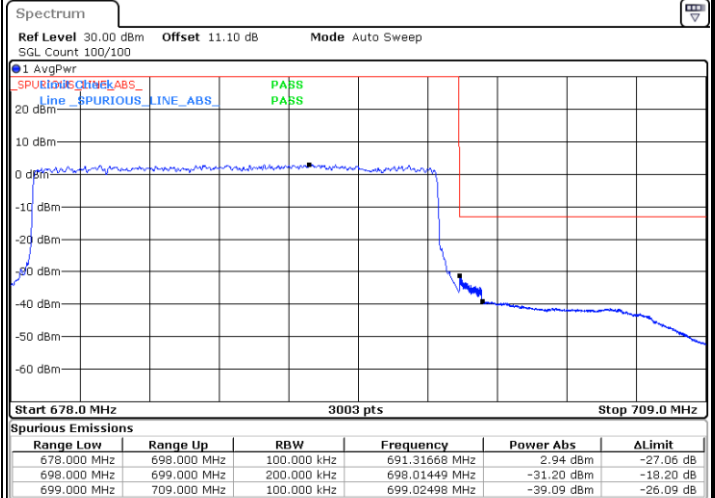
Date: 24 MAR 2021 04:20:30

Lowest Band Edge / Full RB



Date: 24 MAR 2021 04:14:47

Highest Band Edge / Full RB

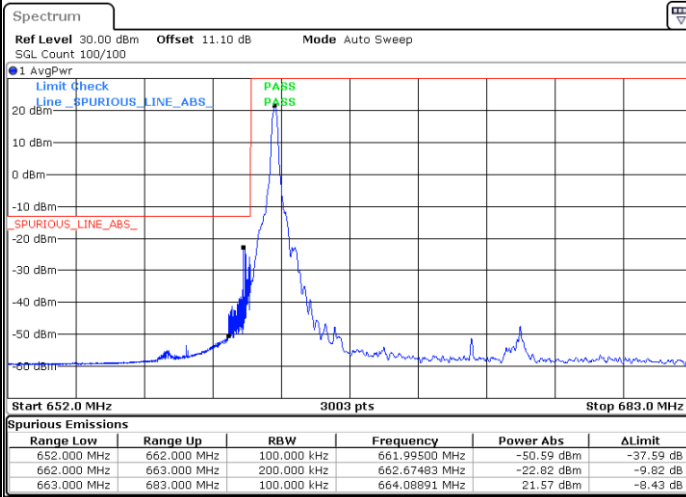


Date: 24 MAR 2021 04:22:58



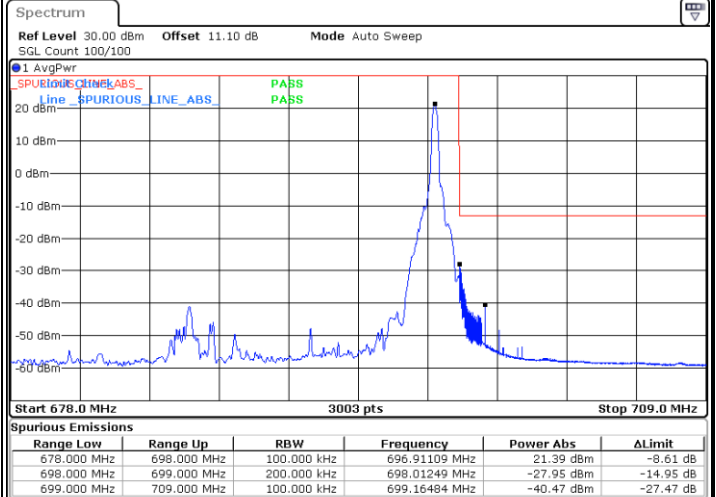
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



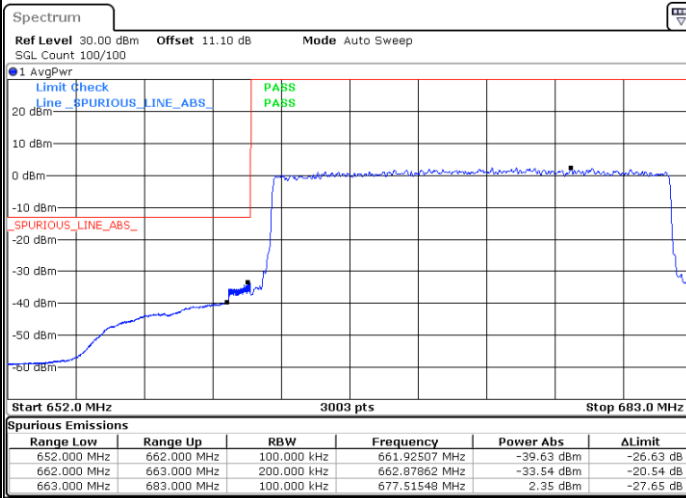
Date: 24 MAR 2021 04:13:59

Highest Band Edge / 1 RB



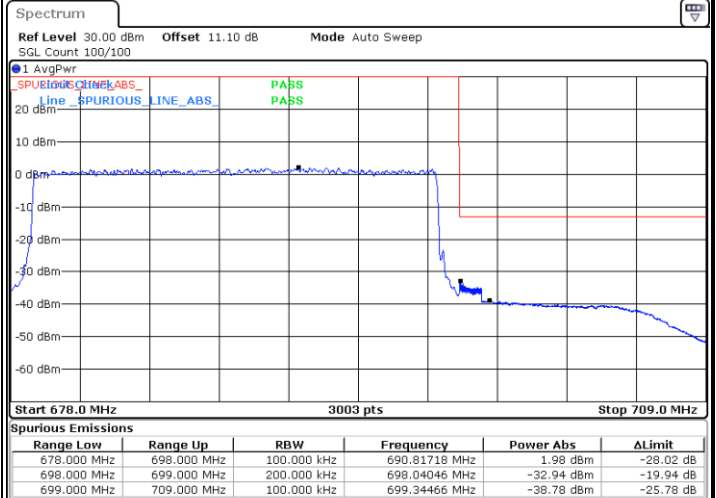
Date: 24 MAR 2021 04:21:19

Lowest Band Edge / Full RB



Date: 24 MAR 2021 04:15:36

Highest Band Edge / Full RB

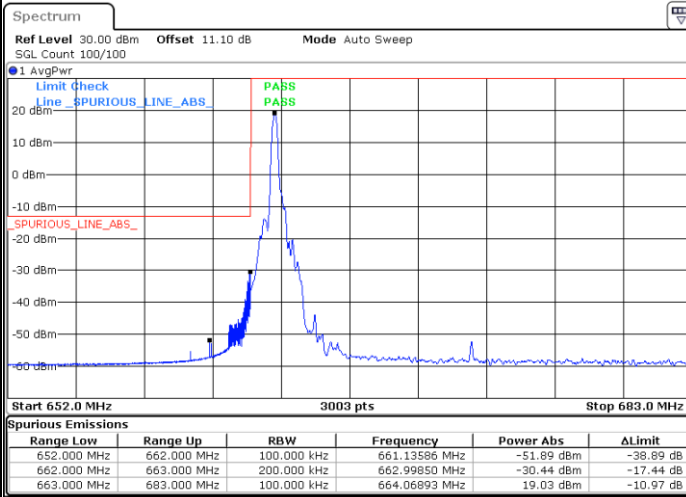


Date: 24 MAR 2021 04:22:08



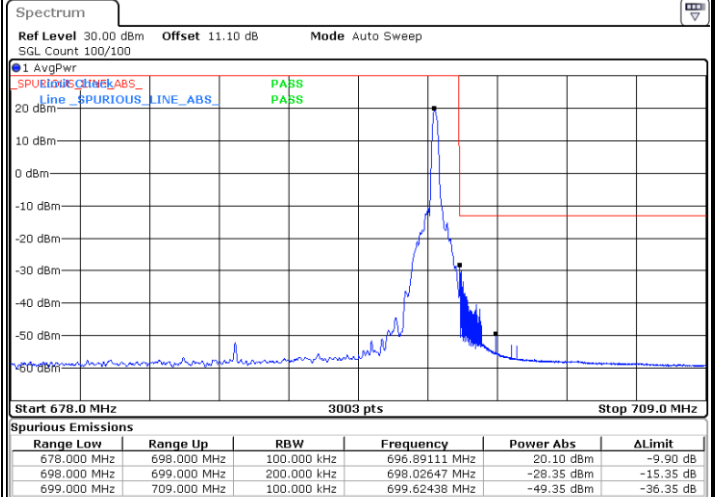
LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



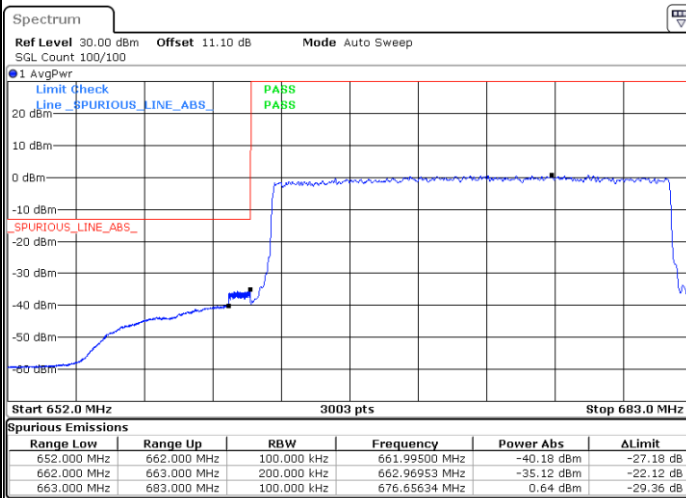
Date: 24 MAR 2021 20:54:18

Highest Band Edge / 1 RB



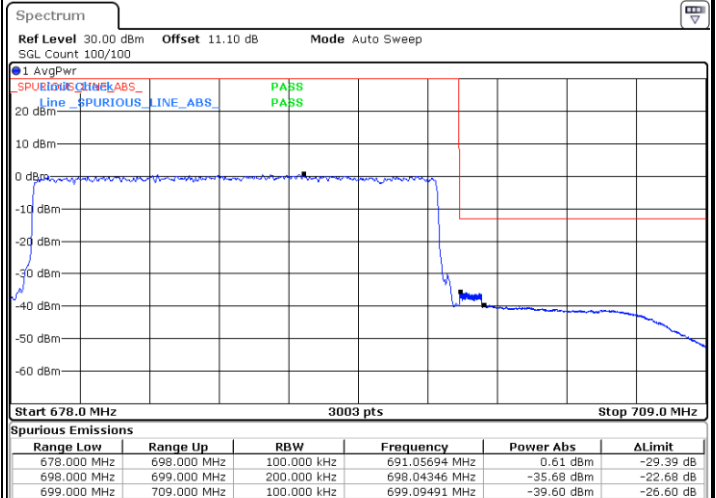
Date: 24 MAR 2021 20:56:37

Lowest Band Edge / Full RB



Date: 24 MAR 2021 20:55:08

Highest Band Edge / Full RB



Date: 24 MAR 2021 20:57:26

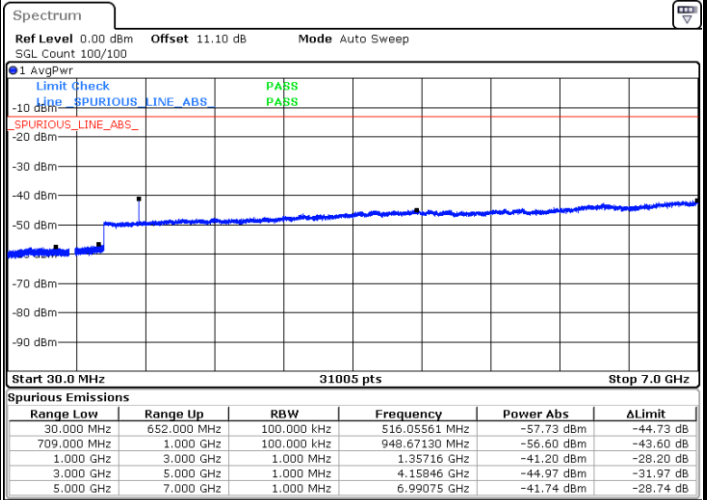
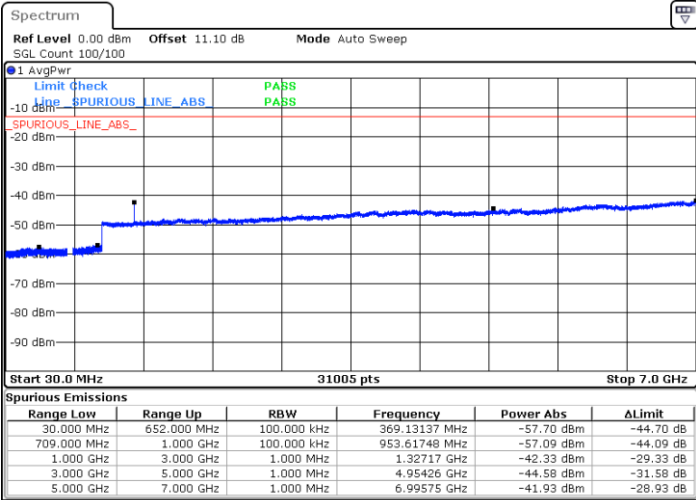


Conducted Spurious Emission

LTE Band 71 / 5MHz

Lowest Channel / QPSK

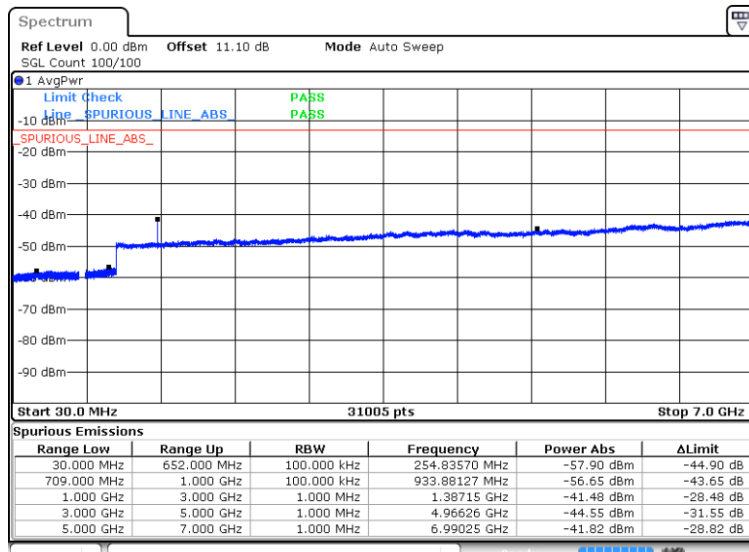
Middle Channel / QPSK



Date: 24.MAR.2021 03:29:13

Date: 24.MAR.2021 03:32:04

Highest Channel / QPSK



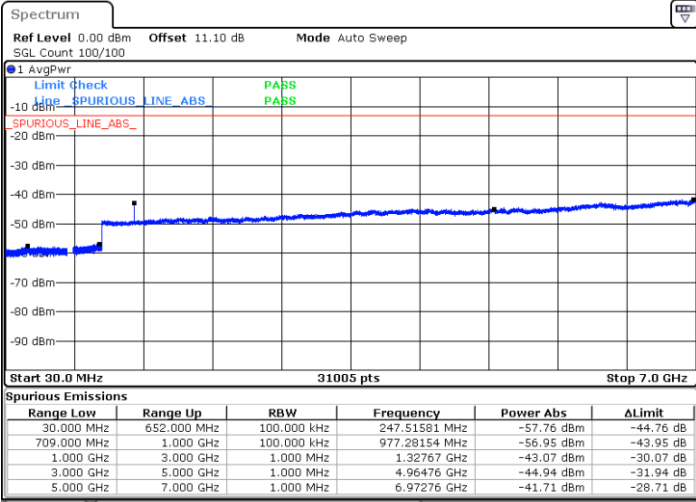
Date: 24.MAR.2021 03:36:36



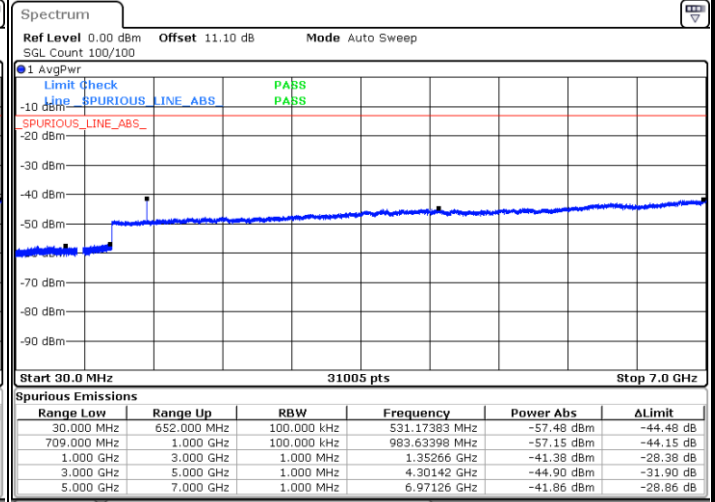
LTE Band 71 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

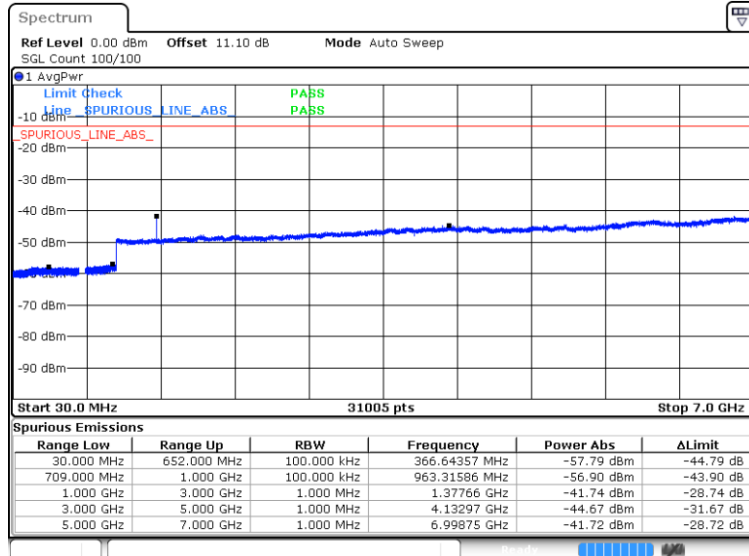


Date: 24.MAR.2021 03:45:07



Date: 24.MAR.2021 03:47:58

Highest Channel / QPSK



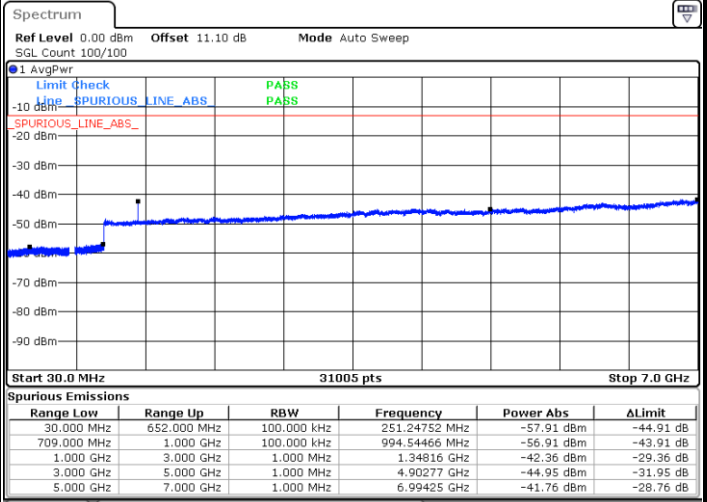
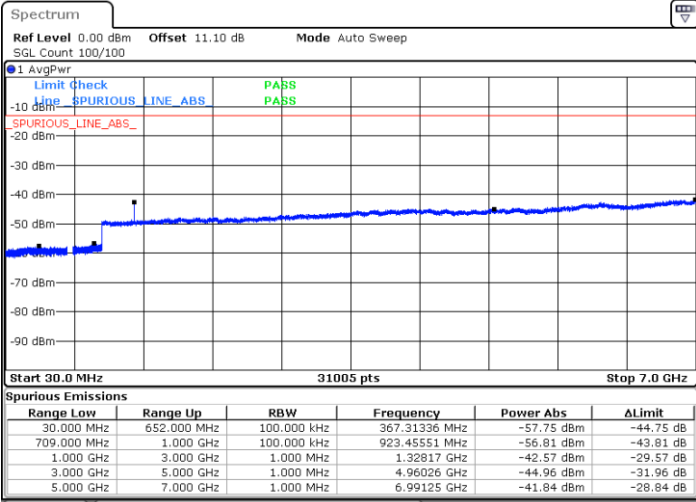
Date: 24.MAR.2021 03:52:29



LTE Band 71 / 15MHz

Lowest Channel / QPSK

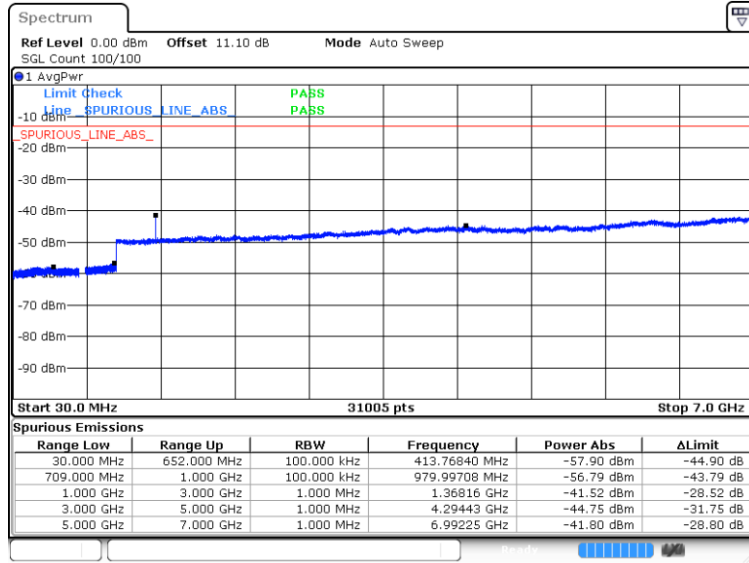
Middle Channel / QPSK



Date: 24.MAR.2021 04:00:58

Date: 24.MAR.2021 04:03:49

Highest Channel / QPSK



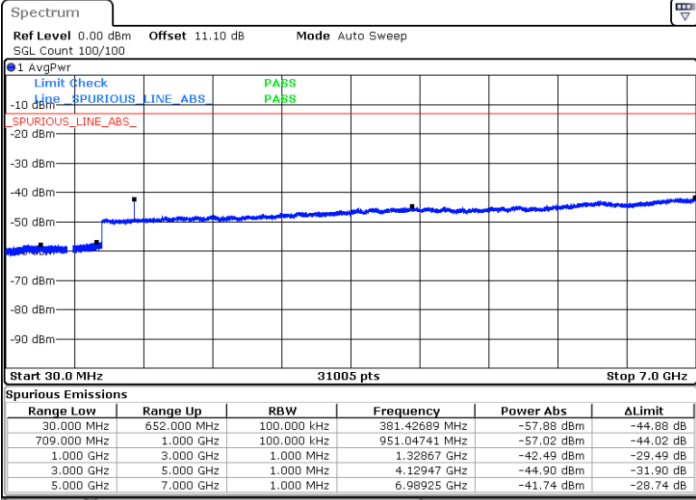
Date: 24.MAR.2021 04:08:22



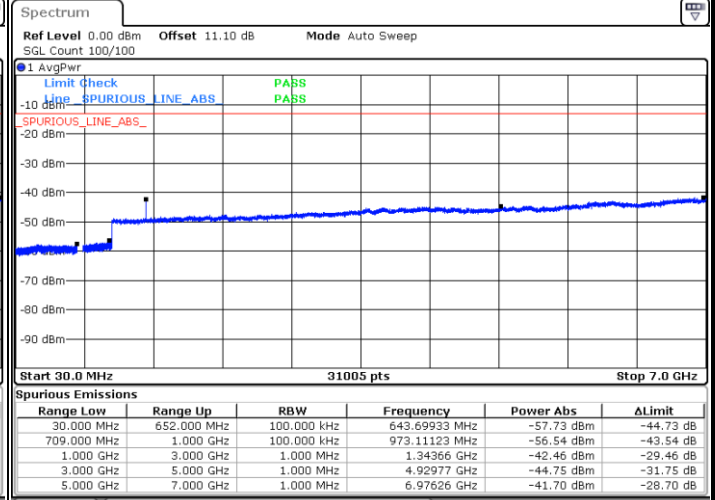
LTE Band 71 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

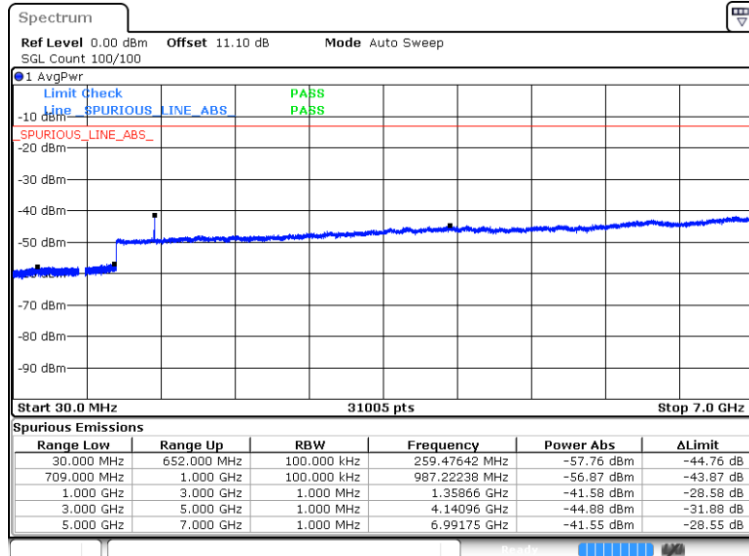


Date: 24.MAR.2021 04:16:50



Date: 24.MAR.2021 04:19:41

Highest Channel / QPSK



Date: 24.MAR.2021 04:24:11



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	0.0016	PASS
40	Normal Voltage	0.0179	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0135	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0141	
-20	Normal Voltage	0.0068	
-30	Normal Voltage	0.0140	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Main>

LTE Band 25

LTE Band 25 / 10MHz / 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	3701	-54.93	-13	-41.93	-72.86	-66.14	1.41	12.62	H
	5552	-50.71	-13	-37.71	-73.87	-62.27	1.74	13.30	H
	7402	-47.05	-13	-34.05	-73.87	-56.37	1.94	11.26	H
									H
									H
									H
	3701	-54.85	-13	-41.85	-72.92	-66.06	1.41	12.62	V
	5552	-51.03	-13	-38.03	-73.72	-62.59	1.74	13.30	V
	7402	-46.94	-13	-33.94	-73.6	-56.26	1.94	11.26	V
									V
									V
									V
Middle	3751	-54.18	-13	-41.18	-72.33	-65.41	1.43	12.65	H
	5627	-50.97	-13	-37.97	-74.13	-62.54	1.73	13.30	H
	7502	-47.35	-13	-34.35	-73.71	-56.46	1.99	11.10	H
									H
									H
									H
	3751	-53.93	-13	-40.93	-72.29	-65.16	1.43	12.65	V
	5627	-51.26	-13	-38.26	-74.05	-62.83	1.73	13.30	V
	7502	-47.05	-13	-34.05	-73.38	-56.16	1.99	11.10	V
									V
									V
									V



Highest	3811	-54.21	-13	-41.21	-72.6	-65.46	1.44	12.69	H
	5717	-50.28	-13	-37.28	-73.9	-61.85	1.73	13.30	H
	7622	-47.81	-13	-34.81	-73.66	-56.93	2.01	11.12	H
									H
									H
									H
									H
	3811	-53.67	-13	-40.67	-72.31	-64.92	1.44	12.69	V
	5717	-51.06	-13	-38.06	-74.07	-62.63	1.73	13.30	V
	7622	-47.71	-13	-34.71	-73.48	-56.83	2.01	11.12	V
									V
									V
									V
									V
								V	

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



LTE Band 41

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	4994	-51.51	-25	-26.51	-73.52	-62.50	1.61	12.60	H
	7491	-47.00	-25	-22.00	-73.4	-56.13	1.99	11.11	H
	9988	-44.06	-25	-19.06	-73.65	-52.97	2.40	11.30	H
									H
									H
									H
									H
	4994	-52.26	-25	-27.26	-73.81	-63.25	1.61	12.60	V
	7491	-47.24	-25	-22.24	-73.6	-56.37	1.99	11.11	V
	9988	-43.64	-25	-18.64	-73.99	-52.55	2.40	11.30	V
									V
									V
									V
									V
Middle	5168	-52.30	-25	-27.30	-74.25	-63.48	1.65	12.84	H
	7752	-47.58	-25	-22.58	-73.49	-56.71	2.03	11.15	H
	10336	-43.41	-25	-18.41	-73.81	-52.05	2.39	11.03	H
									H
									H
									H
									H
	5168	-52.31	-25	-27.31	-74.05	-63.49	1.65	12.84	V
	7752	-48.04	-25	-23.04	-73.71	-57.17	2.03	11.15	V
	10336	-43.40	-25	-18.40	-73.87	-52.04	2.39	11.03	V
									V
									V
									V
									V



Highest	5342	-52.14	-25	-27.14	-74.57	-63.52	1.70	13.08	H
	8013	-46.49	-25	-21.49	-73.65	-55.66	2.06	11.23	H
	10684	-42.76	-25	-17.76	-73.63	-51.17	2.49	10.90	H
									H
									H
									H
									H
	5342	-52.22	-25	-27.22	-74.3	-63.60	1.70	13.08	V
	8013	-46.50	-25	-21.50	-73.55	-55.67	2.06	11.23	V
	10684	-43.20	-25	-18.20	-73.82	-51.61	2.49	10.90	V
									V
									V
									V
									V

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



LTE Band 66

LTE Band 66 / 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	3420	-56.80	-13	-43.80	-72.72	-62.87	1.58	7.65	H
	5135	-51.93	-13	-38.93	-73.88	-59.22	2.41	9.70	H
	6843	-48.13	-13	-35.13	-73.5	-56.10	2.64	10.61	H
									H
									H
									H
									H
	3420	-56.25	-13	-43.25	-72.59	-62.32	1.58	7.65	V
	5135	-52.01	-13	-39.01	-73.71	-59.30	2.41	9.70	V
	6843	-48.82	-13	-35.82	-73.79	-56.79	2.64	10.61	V
									V
									V
									V
									V
Middle	3469	-56.01	-13	-43.01	-72.41	-62.28	1.59	7.86	H
	5205	-52.13	-13	-39.13	-74.08	-59.37	2.46	9.70	H
	6941	-47.59	-13	-34.59	-73.45	-55.71	2.61	10.73	H
									H
									H
									H
									H
	3469	-55.33	-13	-42.33	-72.11	-61.60	1.59	7.86	V
	5205	-51.91	-13	-38.91	-73.69	-59.15	2.46	9.70	V
	6941	-47.83	-13	-34.83	-73.23	-55.95	2.61	10.73	V
									V
									V
									V
									V



Highest	3525	-55.44	-13	-42.44	-72.33	-61.86	1.61	8.03	H
	5282	-51.63	-13	-38.63	-73.85	-58.83	2.50	9.70	H
	7046	-46.56	-13	-33.56	-72.87	-54.88	2.58	10.89	H
									H
									H
									H
									H
	3525	-55.24	-13	-42.24	-72.41	-61.66	1.61	8.03	V
	5282	-52.28	-13	-39.28	-74.24	-59.48	2.50	9.70	V
	7046	-47.25	-13	-34.25	-73.11	-55.57	2.58	10.89	V
									V
									V
									V
									V

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



LTE Band 71

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	1328	-61.55	-13	-48.55	-70.57	-68.03	0.83	7.31	H
	1992	-60.59	-13	-47.59	-71.35	-69.52	1.04	9.97	H
	2656	-58.42	-13	-45.42	-72.13	-68.12	1.19	10.89	H
									H
									H
									H
									H
	1328	-62.15	-13	-49.15	-70.33	-68.63	0.83	7.31	V
	1992	-61.25	-13	-48.25	-71.04	-70.18	1.04	9.97	V
	2656	-58.58	-13	-45.58	-72.26	-68.28	1.19	10.89	V
									V
									V
									V
									V
Middle	1348	-59.49	-13	-46.49	-68.64	-66.06	0.83	7.40	H
	2022	-60.44	-13	-47.44	-71.67	-69.43	1.04	10.03	H
	2696	-58.12	-13	-45.12	-71.99	-67.86	1.20	10.94	H
									H
									H
									H
									H
	1348	-61.24	-13	-48.24	-69.44	-67.81	0.83	7.40	V
	2022	-61.55	-13	-48.55	-71.78	-70.54	1.04	10.03	V
	2696	-58.56	-13	-45.56	-72.38	-68.30	1.20	10.94	V
									V
									V
									V
									V



Highest	1358	-60.55	-13	-47.55	-69.74	-67.16	0.83	7.45	H
	2037	-59.56	-13	-46.56	-71.05	-68.56	1.05	10.05	H
	2716	-58.13	-13	-45.13	-72.07	-67.89	1.20	10.96	H
									H
									H
									H
									H
	1358	-61.72	-13	-48.72	-69.91	-68.33	0.83	7.45	V
	2037	-60.84	-13	-47.84	-71.31	-69.84	1.05	10.05	V
	2716	-58.34	-13	-45.34	-72.24	-68.10	1.20	10.96	V
									V
									V
									V
									V

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



<Sub>

LTE Band 13

LTE Band 13 / 5MHz / 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	1555	-61.58	-13	-48.58	-70.20	-66.85	0.89	8.31	H
	2332	-57.95	-13	-44.95	-71.65	-65.15	1.11	10.46	H
	3109	-56.68	-13	-43.68	-72.04	-64.80	1.29	11.56	H
									H
									H
									H
	1555	-62.64	-13.00	-49.64	-70.58	-67.91	0.89	8.31	V
	2332	-58.59	-13	-45.59	-71.84	-65.79	1.11	10.46	V
	3109	-56.57	-13	-43.57	-72.27	-64.69	1.29	11.56	V
									V
									V
									V
Middle	1560	-62.31	-42.15	-20.16	-70.90	-67.60	0.89	8.33	H
	2340	-55.57	-13	-42.57	-69.23	-62.78	1.11	10.48	H
	3119	-56.80	-13	-43.80	-72.19	-64.94	1.29	11.59	H
									H
									H
									H
	1560	-63.20	-42.15	-21.05	-71.15	-68.49	0.89	8.33	V
	2340	-58.75	-13	-45.75	-72.00	-65.96	1.11	10.48	V
	3119	-56.29	-13	-43.29	-72.04	-64.43	1.29	11.59	V
									V
									V
									V



Highest	1565	-62.22	-42.15	-20.07	-70.77	-67.52	0.89	8.35	H
	2347	-57.31	-13	-44.31	-70.94	-64.53	1.12	10.49	H
	3129	-57.32	-13	-44.32	-72.73	-65.49	1.29	11.61	H
									H
									H
									H
									H
	1565	-62.87	-42.15	-20.72	-70.81	-68.17	0.89	8.35	V
	2347	-58.54	-13	-45.54	-71.81	-65.76	1.12	10.49	V
	3129	-56.88	-13	-43.88	-72.66	-65.05	1.29	11.61	V
									V
									V
									V
									V

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



LTE Band 13 / 10MHz / 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	1555	-62.00	-13	-49.00	-70.62	-67.27	0.89	8.31	H
	2333	-56.62	-13	-43.62	-70.31	-63.82	1.11	10.47	H
	3110	-56.70	-13	-43.70	-72.06	-64.82	1.29	11.56	H
									H
									H
									H
									H
	1555	-62.82	-13	-49.82	-70.76	-68.09	0.89	8.31	V
	2333	-58.57	-13	-45.57	-71.82	-65.77	1.11	10.47	V
	3110	-56.89	-13	-43.89	-72.6	-65.01	1.29	11.56	V
									V
									V
									V
									V

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



LTE Band 26

LTE Band 26 / 15MHz / 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	1648	-62.77	-13	-49.77	-71.19	-68.36	0.92	8.66	H
	2472	-58.72	-13	-45.72	-72.17	-66.09	1.14	10.66	H
	3296	-57.21	-13	-44.21	-72.54	-65.75	1.32	12.01	H
									H
									H
									H
									H
	1648	-63.75	-13	-50.75	-71.64	-69.34	0.92	8.66	V
	2472	-58.56	-13	-45.56	-72.16	-65.93	1.14	10.66	V
	3296	-56.66	-13	-43.66	-72.46	-65.20	1.32	12.01	V
									V
									V
									V
									V
Middle	1656	-63.20	-13	-50.20	-71.65	-68.82	0.92	8.69	H
	2488	-59.15	-13	-46.15	-72.63	-66.54	1.15	10.68	H
	3320	-57.35	-13	-44.35	-72.62	-65.94	1.33	12.07	H
									H
									H
									H
									H
	1656	-63.77	-13	-50.77	-71.65	-69.39	0.92	8.69	V
	2488	-58.78	-13	-45.78	-72.45	-66.17	1.15	10.68	V
	3320	-56.53	-13	-43.53	-72.26	-65.12	1.33	12.07	V
									V
									V
									V
									V



Highest	1672	-62.90	-13	-49.90	-71.4	-68.58	0.93	8.75	H
	2504	-58.95	-13	-45.95	-72.45	-66.35	1.15	10.70	H
	3336	-57.07	-13	-44.07	-72.31	-65.70	1.33	12.11	H
									H
									H
									H
									H
	1672	-63.28	-13	-50.28	-71.15	-68.96	0.93	8.75	V
	2504	-58.72	-13	-45.72	-72.43	-66.12	1.15	10.70	V
	3336	-56.66	-13	-43.66	-72.36	-65.29	1.33	12.11	V
									V
									V
									V
									V

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

————THE END————