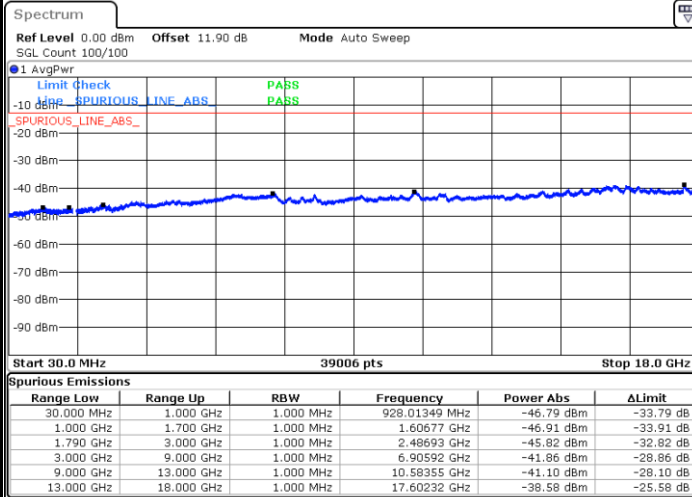




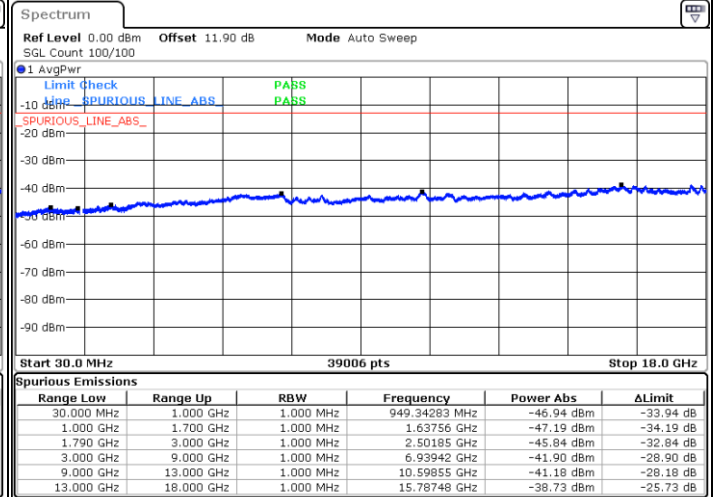
LTE Band 66 / 5MHz

Lowest Channel / QPSK



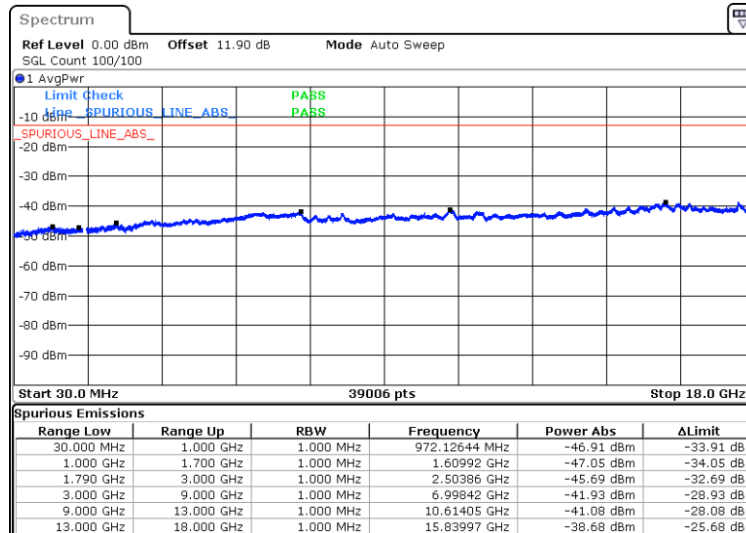
Date: 12.JUN.2021 13:29:27

Middle Channel / QPSK



Date: 12.JUN.2021 13:31:52

Highest Channel / QPSK

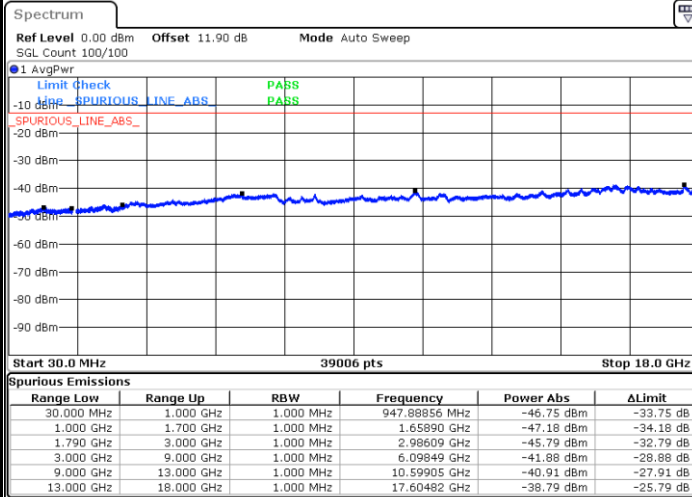


Date: 12.JUN.2021 13:35:32



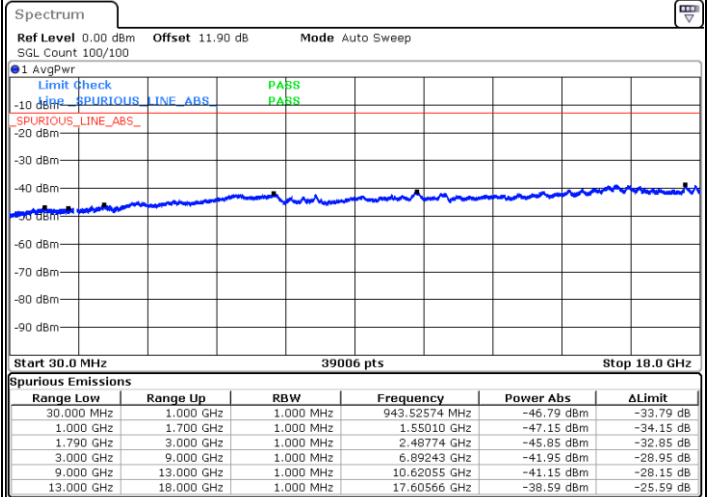
LTE Band 66 / 10MHz

Lowest Channel / QPSK



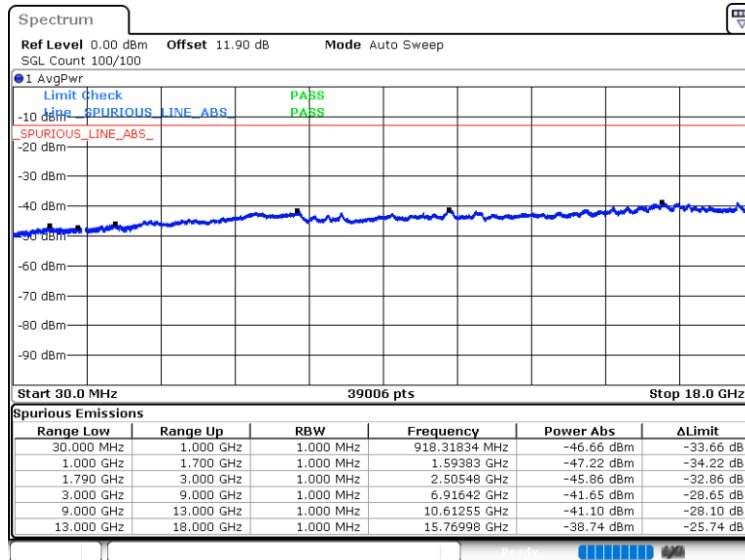
Date: 12.JUN.2021 13:39:33

Middle Channel / QPSK



Date: 12.JUN.2021 13:42:00

Highest Channel / QPSK

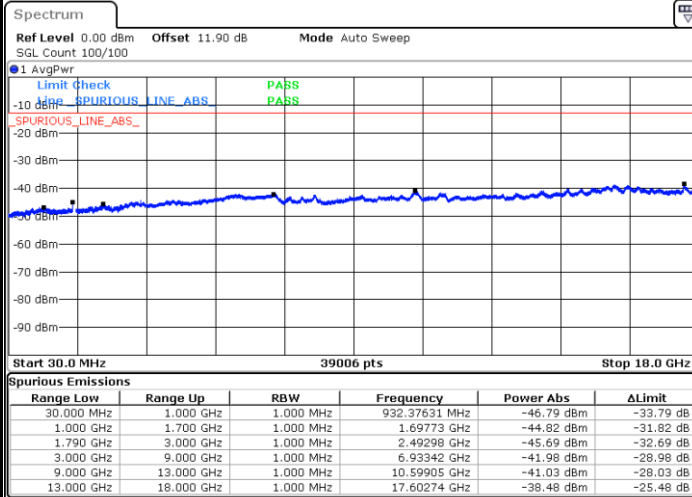


Date: 12.JUN.2021 13:45:40



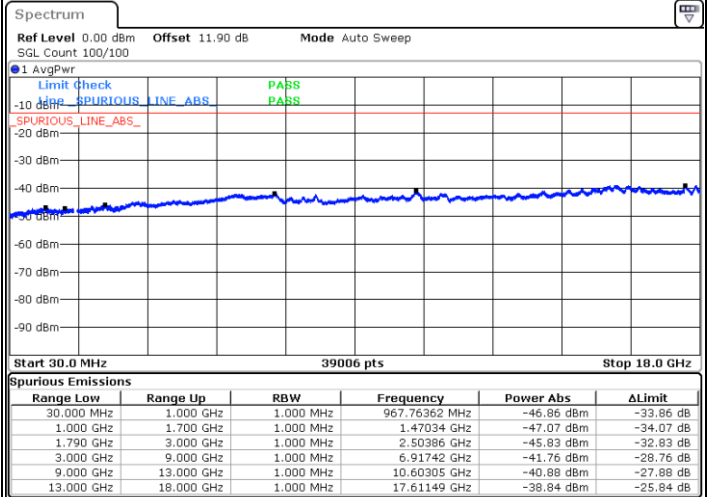
LTE Band 66 / 15MHz

Lowest Channel / QPSK



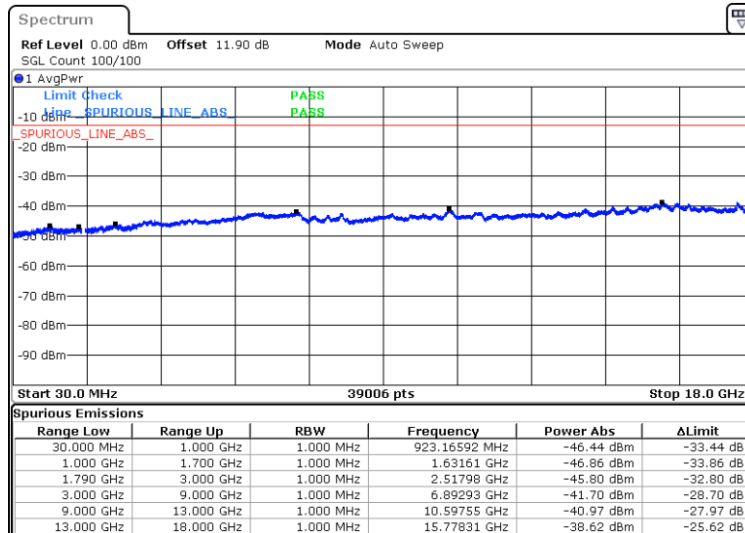
Date: 12.JUN.2021 13:56:16

Middle Channel / QPSK



Date: 12.JUN.2021 13:58:41

Highest Channel / QPSK

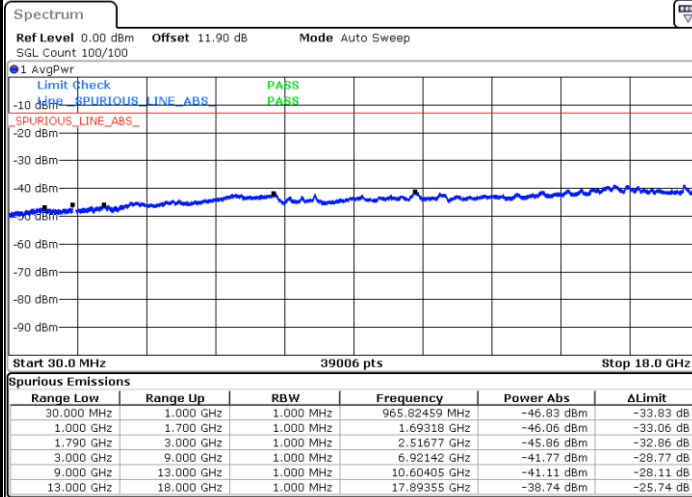


Date: 12.JUN.2021 14:02:21



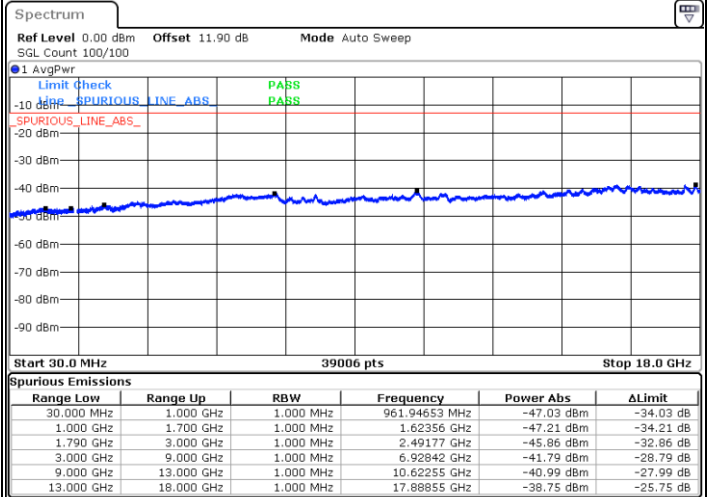
LTE Band 66 / 20MHz

Lowest Channel / QPSK



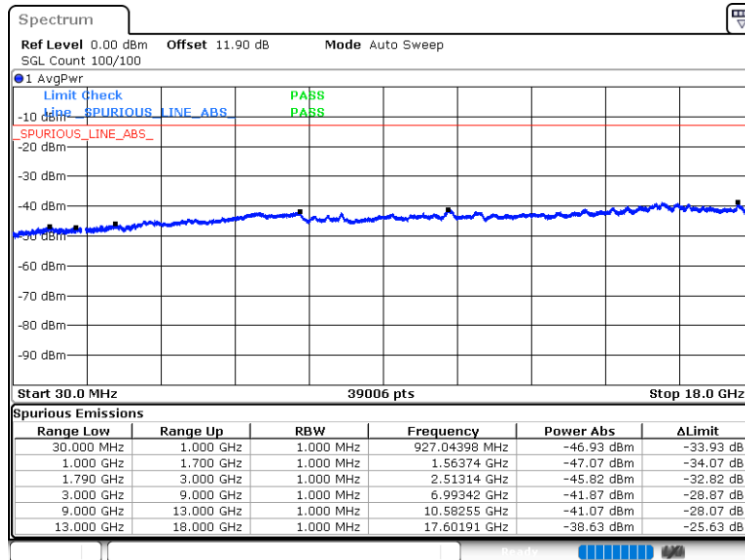
Date: 12.JUN.2021 14:06:22

Middle Channel / QPSK



Date: 12.JUN.2021 14:08:48

Highest Channel / QPSK



Date: 12.JUN.2021 14:12:28

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
40	Normal Voltage	0.0028	PASS
30	Normal Voltage	0.0049	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0060	
0	Normal Voltage	0.0084	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0037	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0068	

Note:

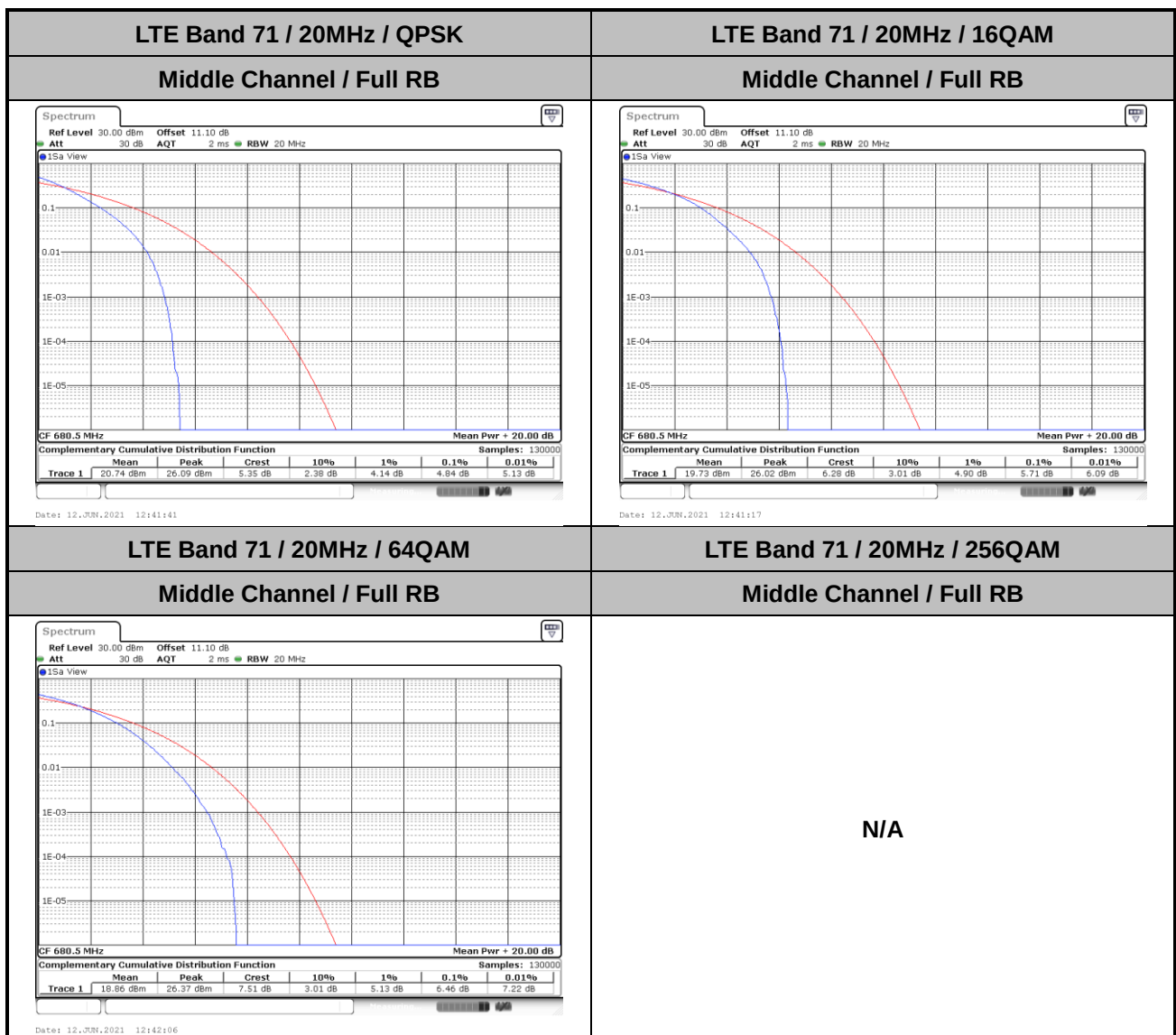
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. EUT can't operate outside the temperatures between -20 °C and 40 °C.



LTE Band 71

Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.84	5.71	6.46	PASS



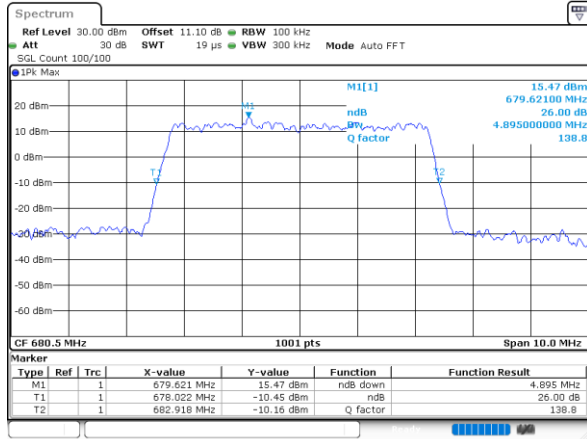
**26dB Bandwidth**

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.90	4.89	9.97	9.73	14.45	14.45	19.06	19.22
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.90	-	9.83	-	14.48	-	18.94	-

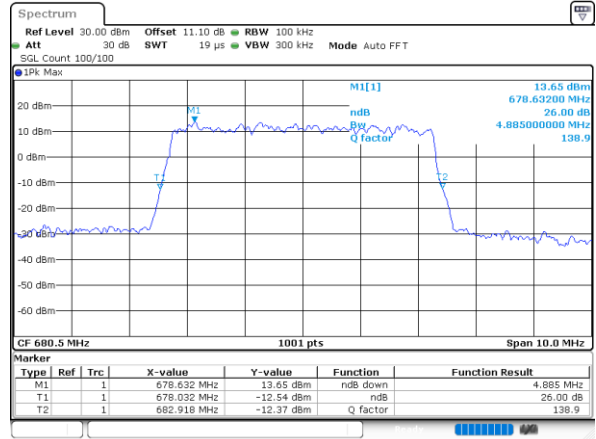


LTE Band 71

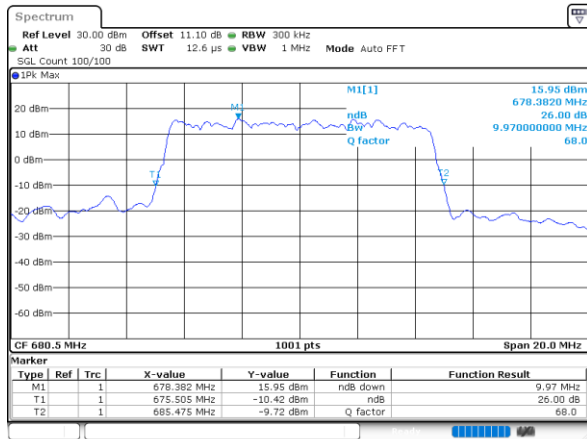
Middle Channel / 5MHz / QPSK



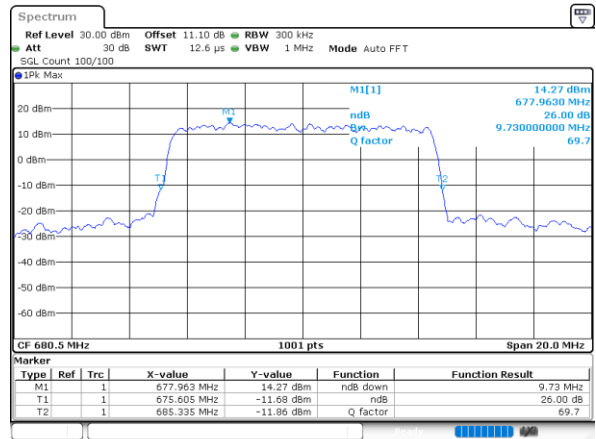
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



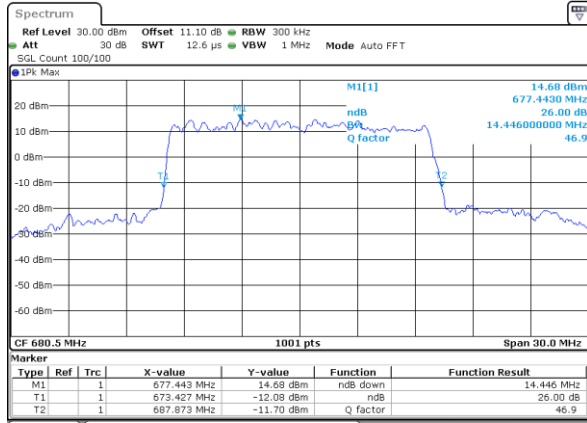
Middle Channel / 10MHz / 16QAM





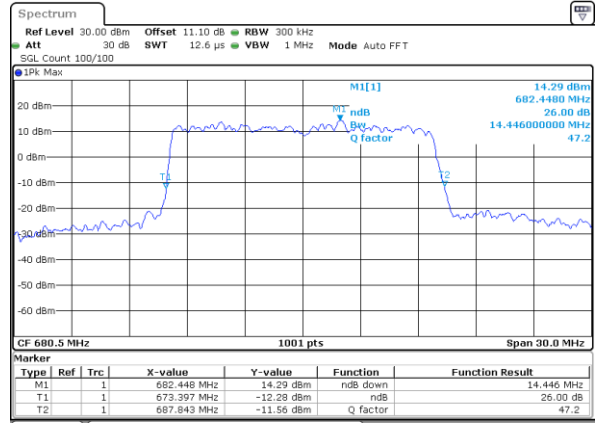
LTE Band 71

Middle Channel / 15MHz / QPSK



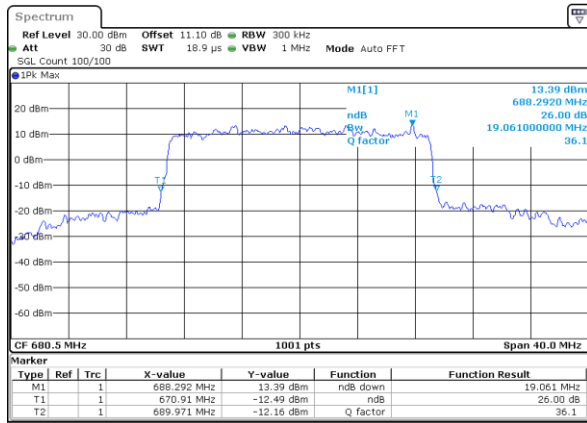
Date: 12 JUN 2021 12:18:21

Middle Channel / 15MHz / 16QAM



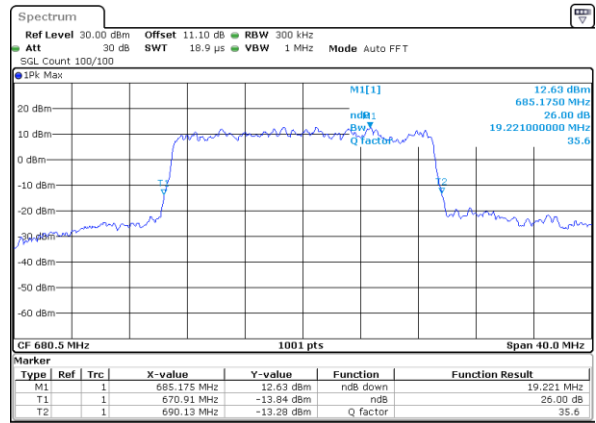
Date: 12 JUN 2021 12:18:42

Middle Channel / 20MHz / QPSK



Date: 12 JUN 2021 12:32:07

Middle Channel / 20MHz / 16QAM

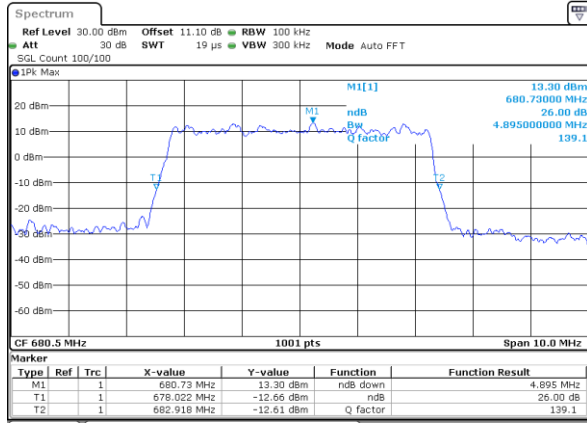


Date: 12 JUN 2021 12:32:27



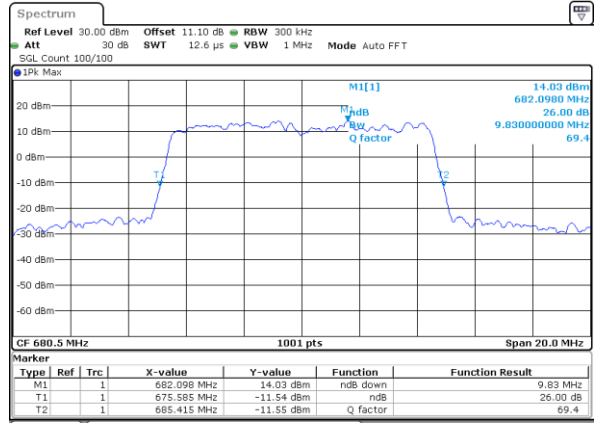
LTE Band 71

Middle Channel / 5MHz / 64QAM



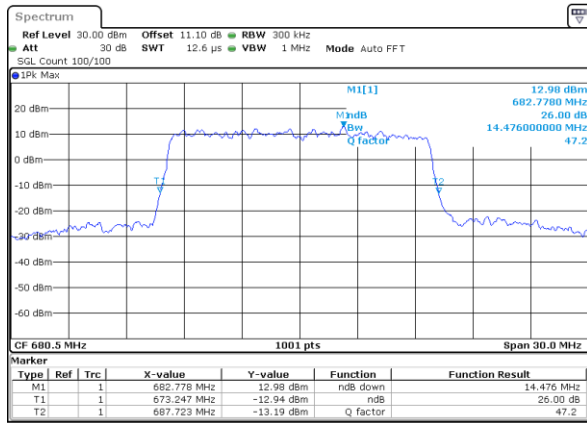
Date: 12 JUN 2021 11:58:12

Middle Channel / 10MHz / 64QAM



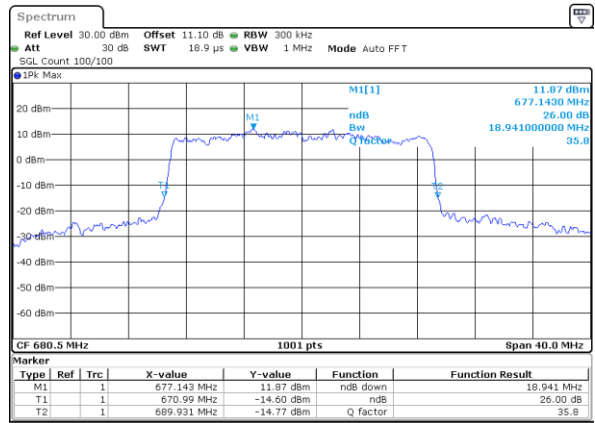
Date: 12 JUN 2021 12:11:56

Middle Channel / 15MHz / 64QAM



Date: 12 JUN 2021 12:25:41

Middle Channel / 20MHz / 64QAM



Date: 12 JUN 2021 12:39:26

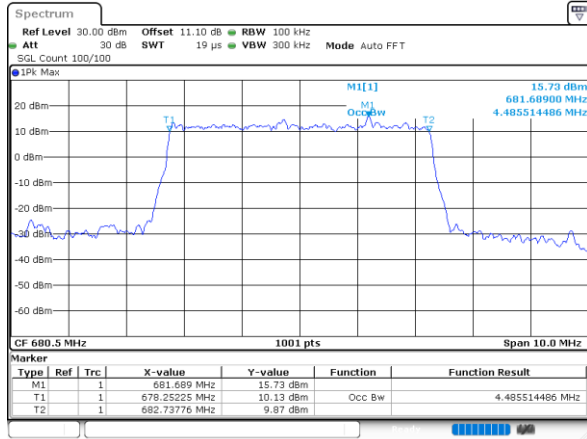
**Occupied Bandwidth**

Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.47	8.93	8.99	13.40	13.40	17.86	17.82
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.48	-	9.03	-	13.46	-	17.90	-

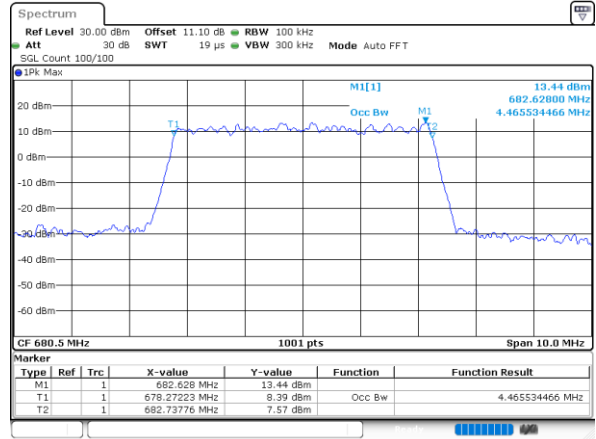


LTE Band 71

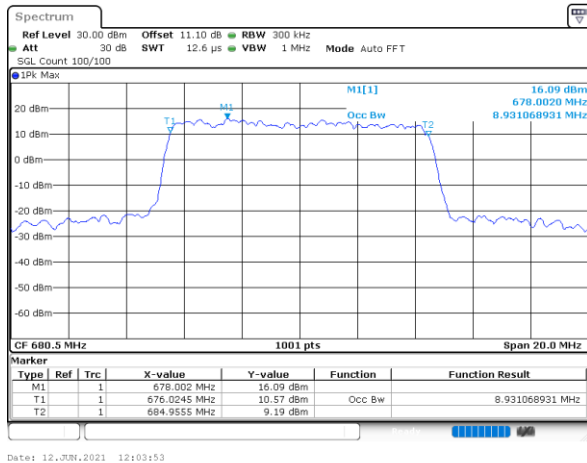
Middle Channel / 5MHz / QPSK



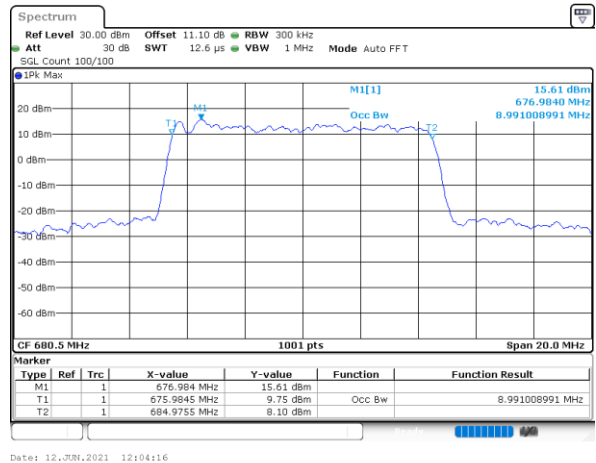
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



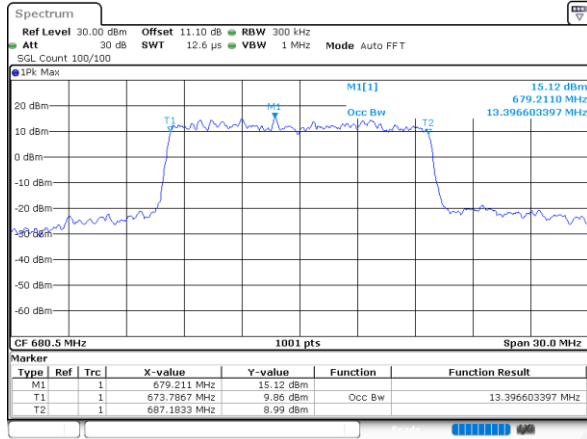
Middle Channel / 10MHz / 16QAM



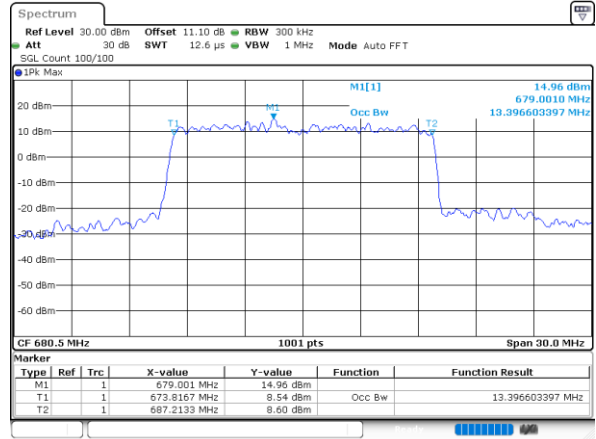


LTE Band 71

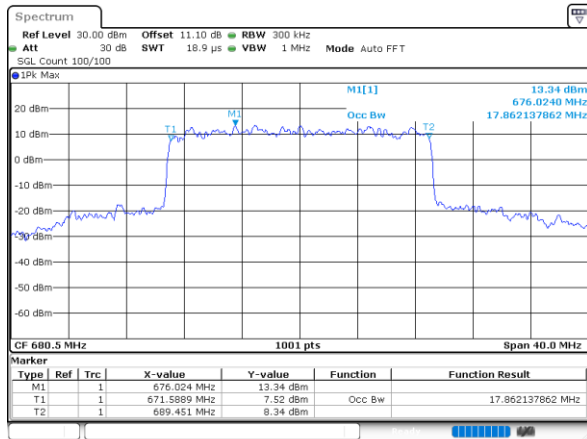
Middle Channel / 15MHz / QPSK



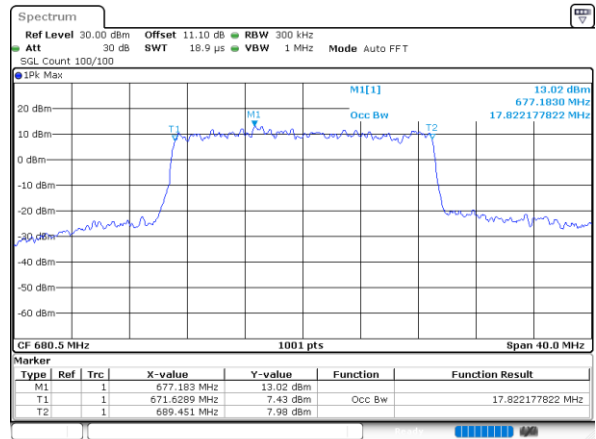
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



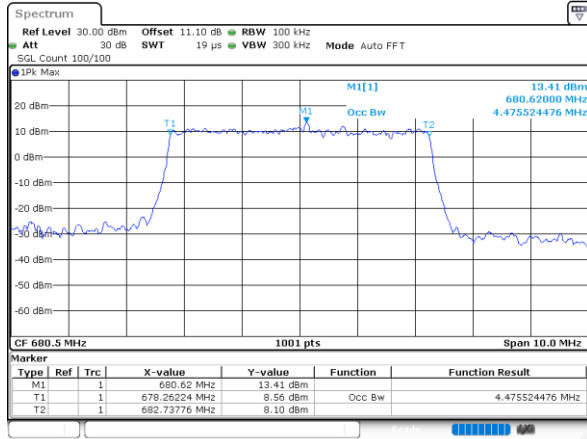
Middle Channel / 20MHz / 16QAM



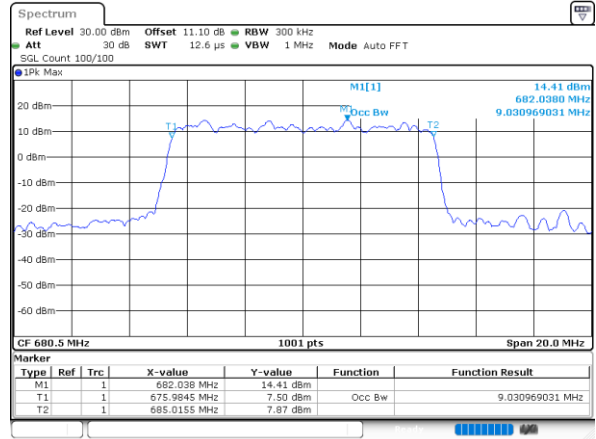


LTE Band 71

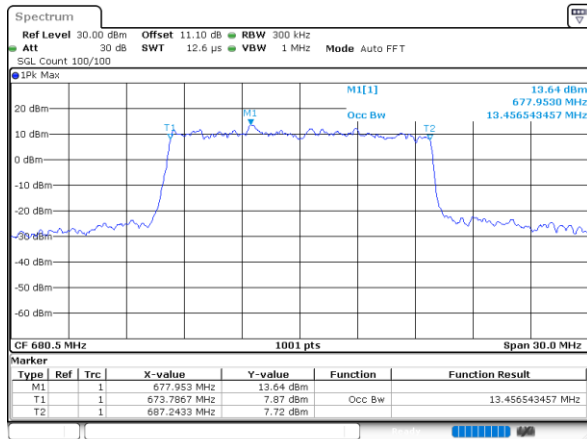
Middle Channel / 5MHz / 64QAM



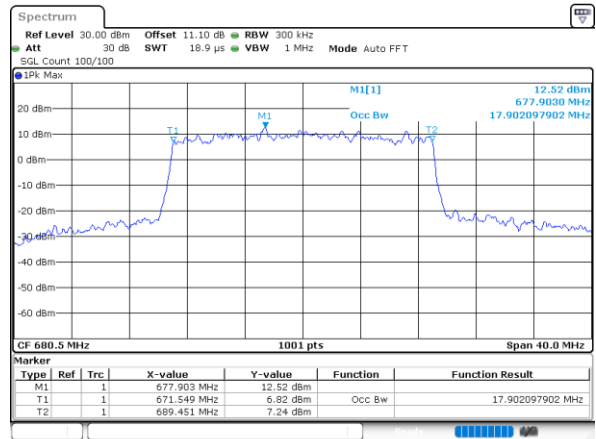
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

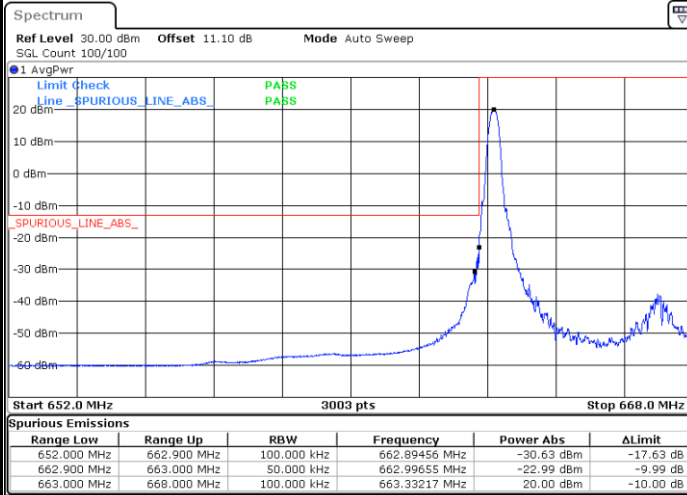




Conducted Band Edge

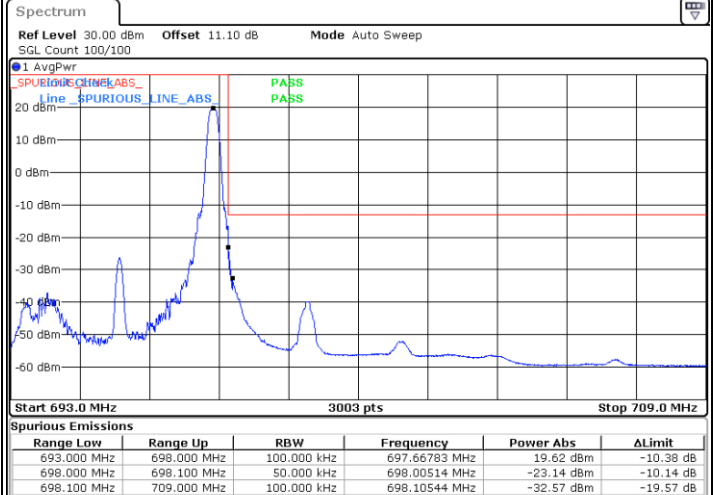
LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



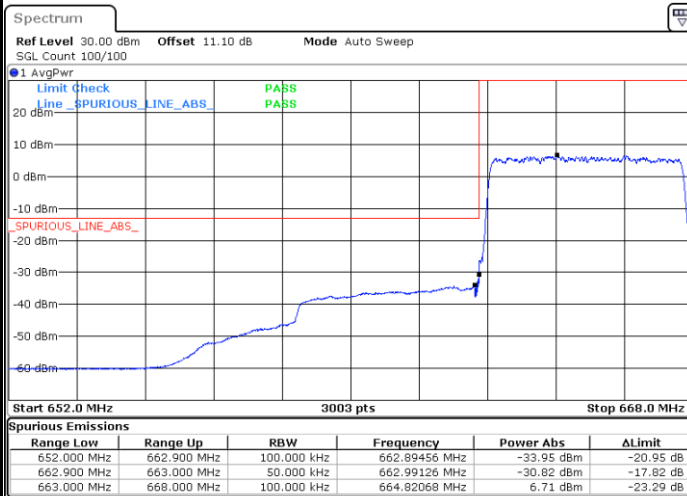
Date: 12.JUN.2021 11:46:27

Highest Band Edge / 1 RB



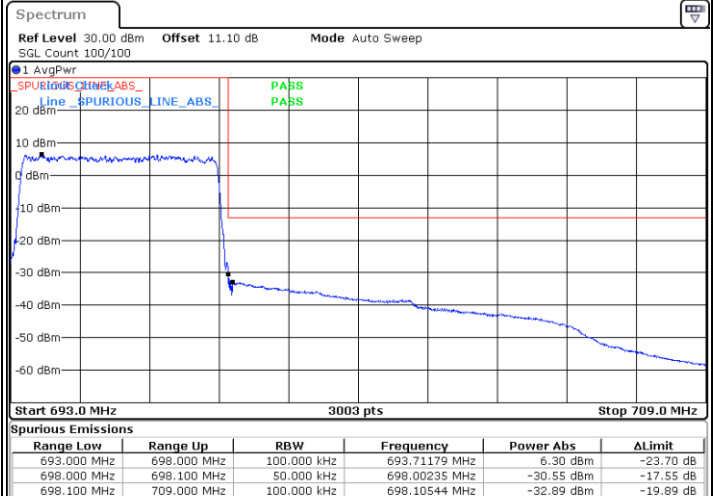
Date: 12.JUN.2021 11:52:45

Lowest Band Edge / Full RB



Date: 12.JUN.2021 11:47:57

Highest Band Edge / Full RB

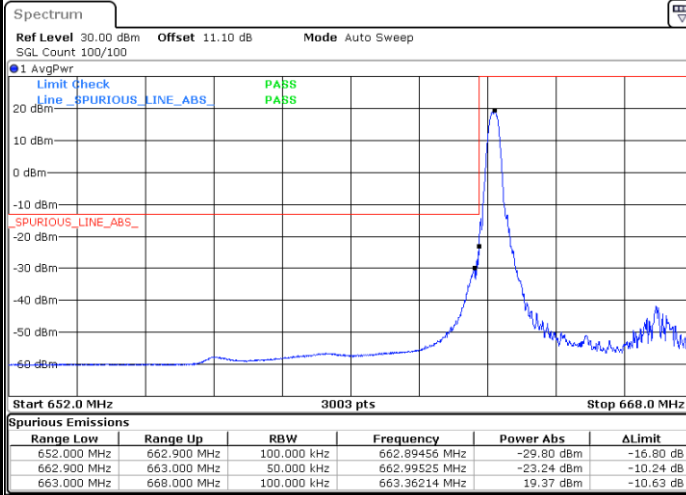


Date: 12.JUN.2021 11:54:17

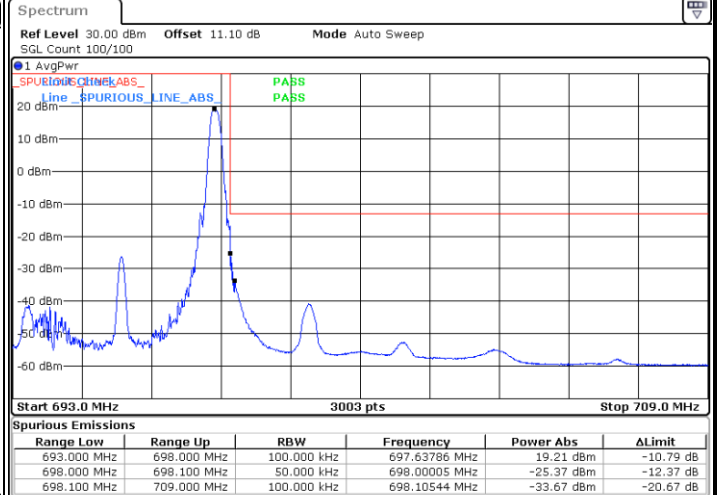


LTE Band 71 / 5MHz / 16QAM

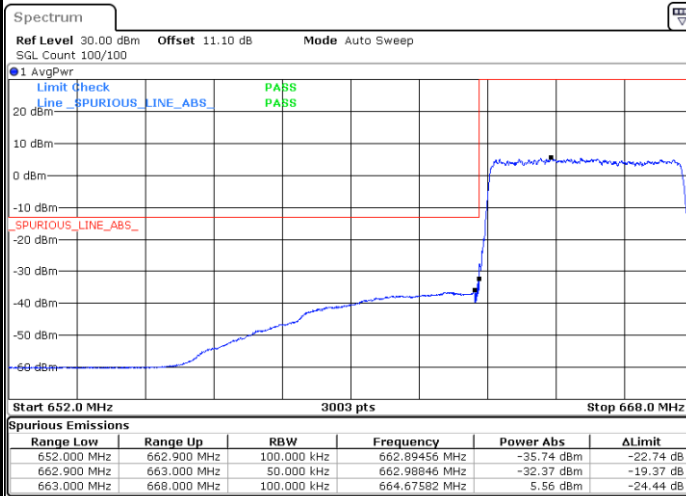
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



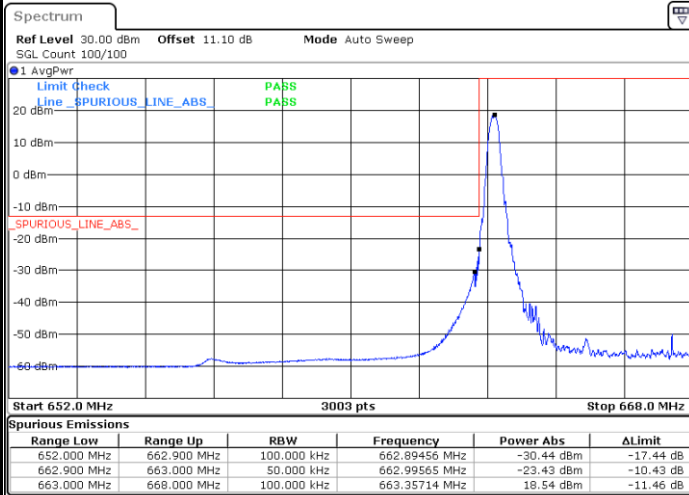
Highest Band Edge / Full RB



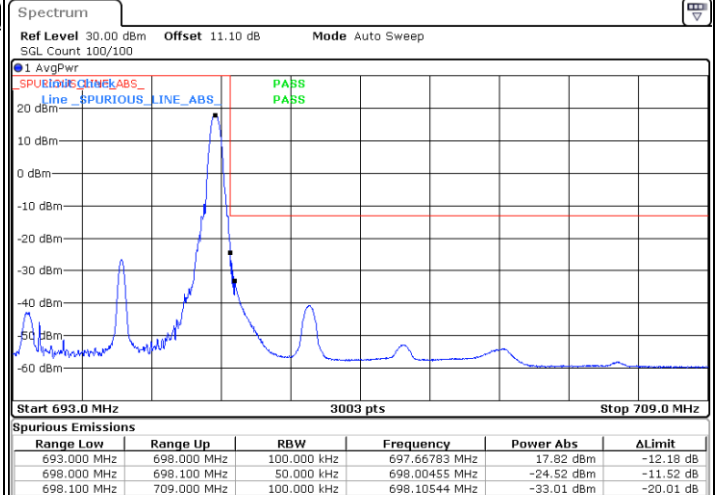


LTE Band 71 / 5MHz / 64QAM

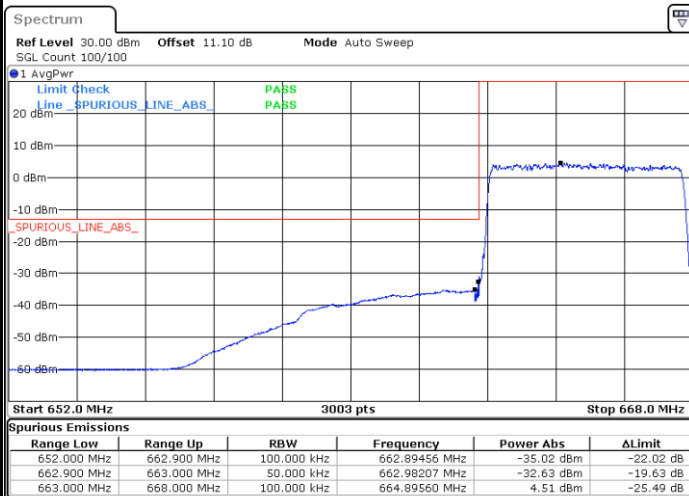
Lowest Band Edge / 1RB



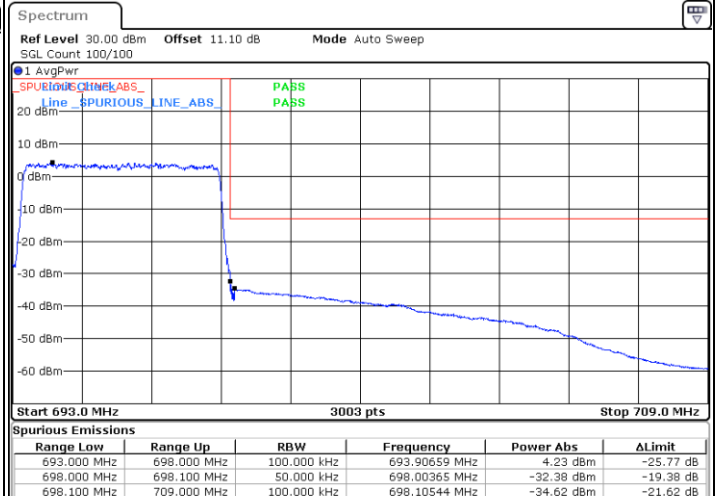
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



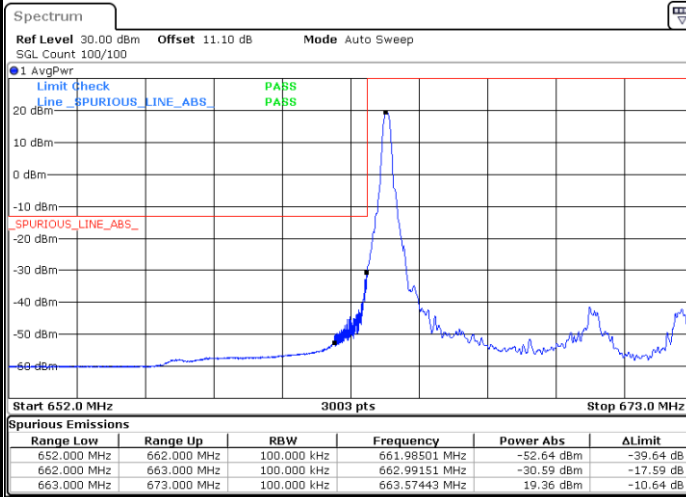
Highest Band Edge / Full RB



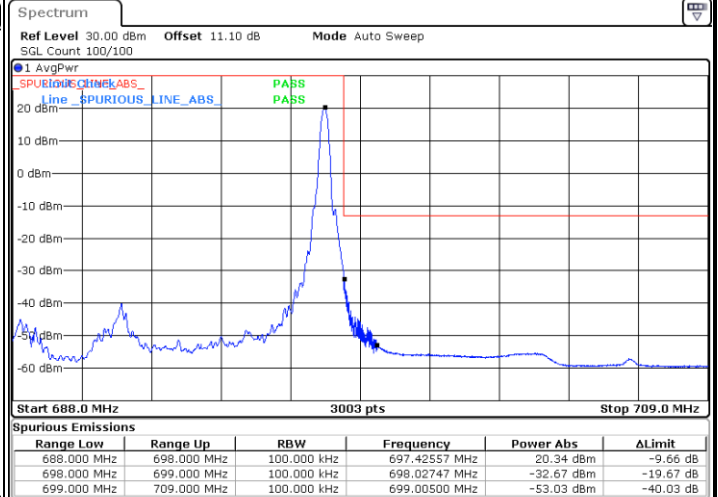


LTE Band 71 / 10MHz / QPSK

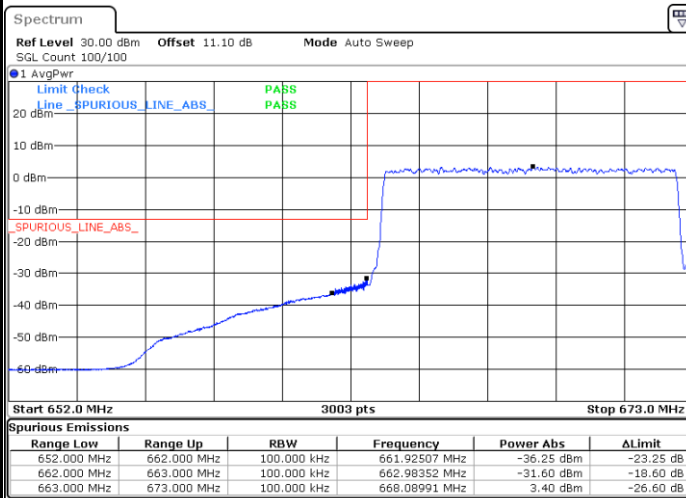
Lowest Band Edge / 1 RB



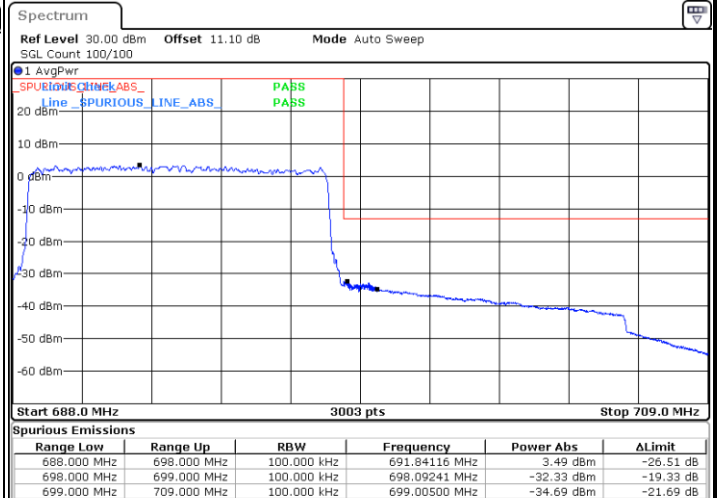
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



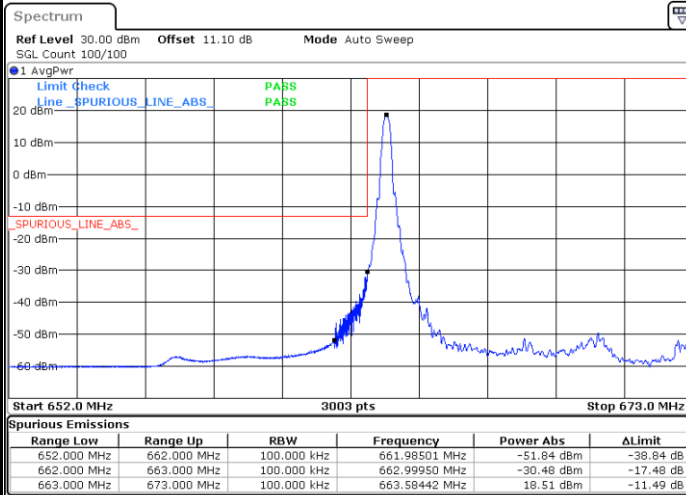
Highest Band Edge / Full RB



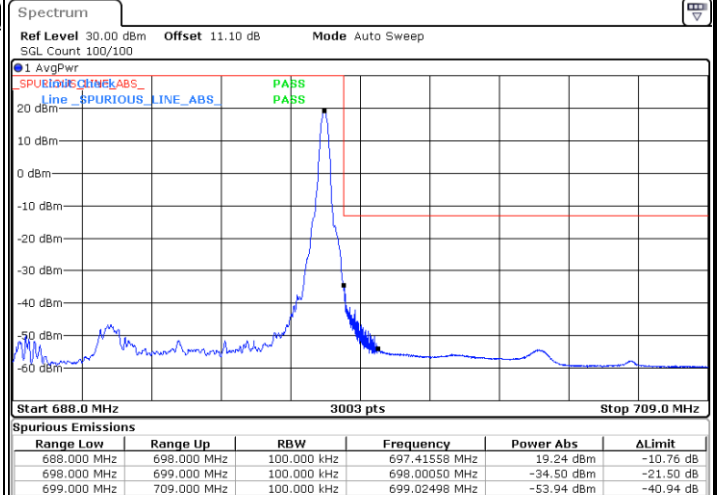


LTE Band 71 / 10MHz / 16QAM

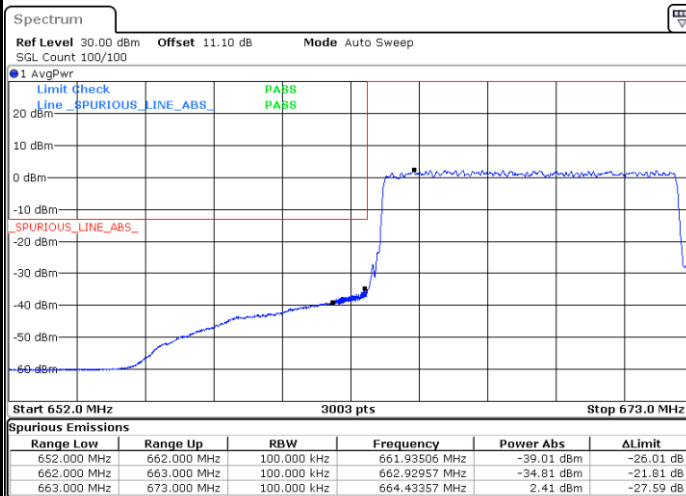
Lowest Band Edge / 1 RB



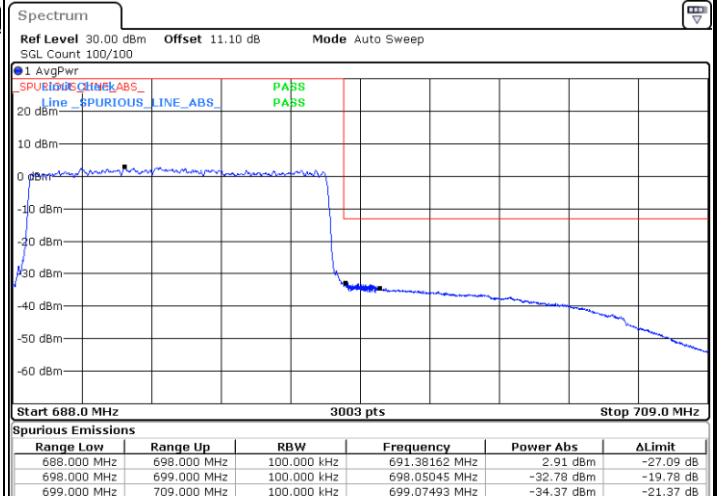
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



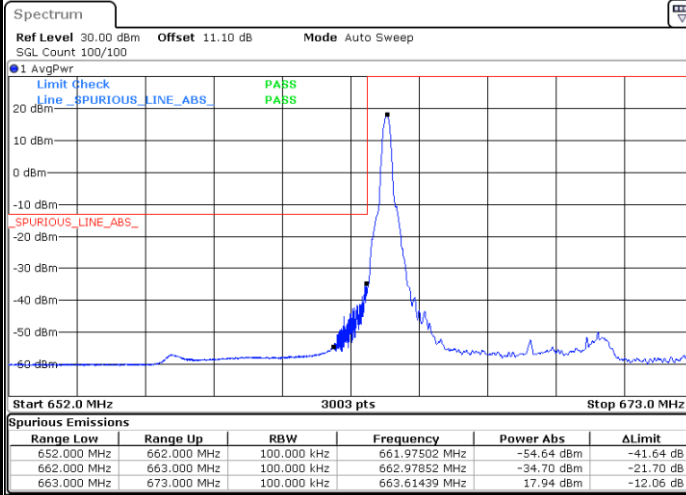
Highest Band Edge / Full RB



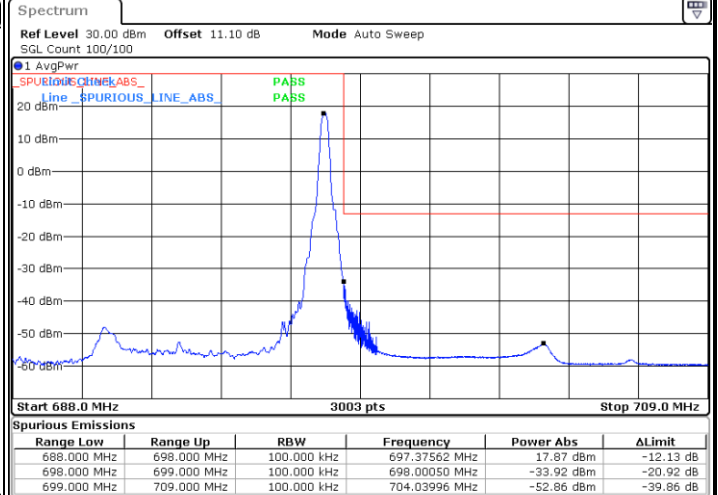


LTE Band 71 / 10MHz / 64QAM

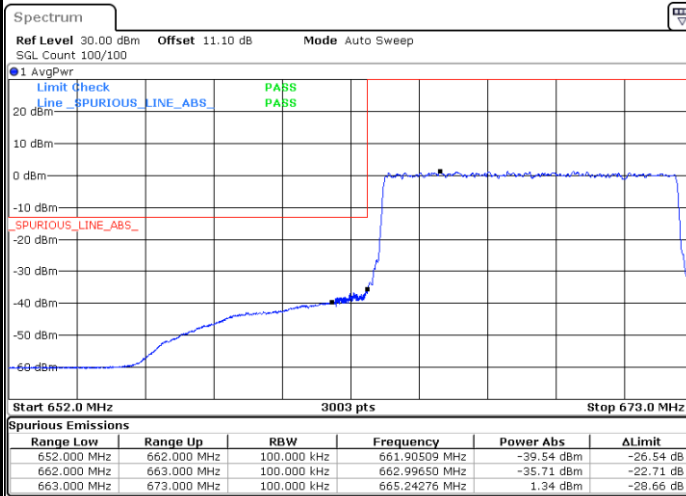
Lowest Band Edge / 1 RB



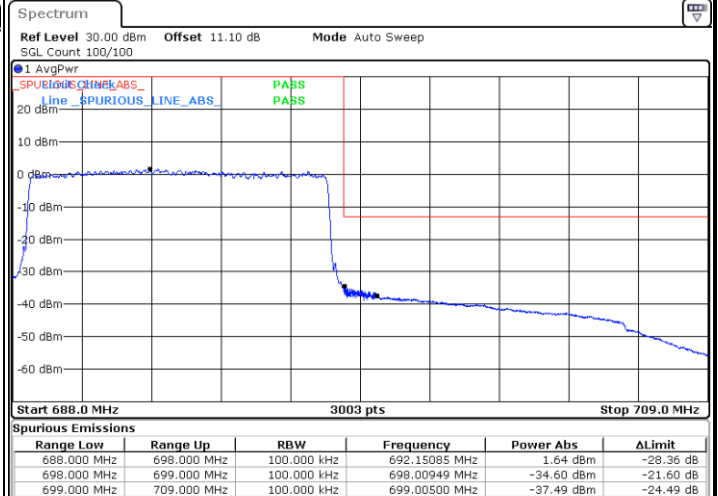
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



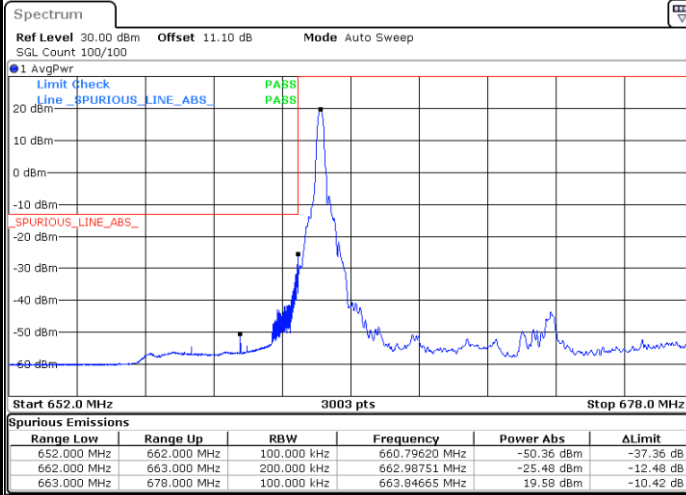
Highest Band Edge / Full RB



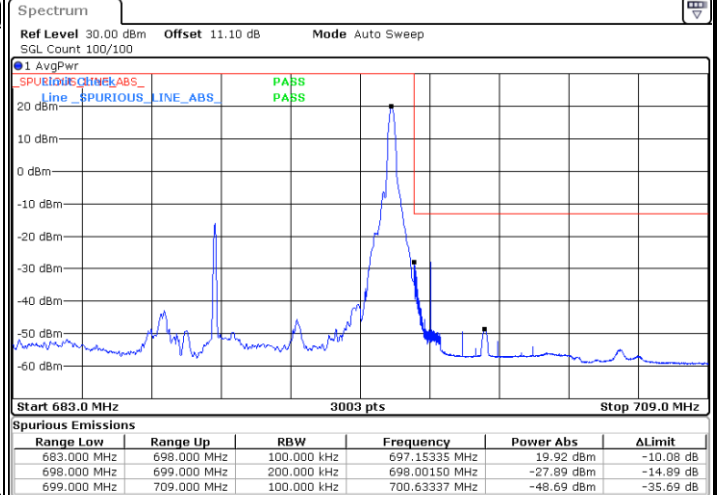


LTE Band 71 / 15MHz / QPSK

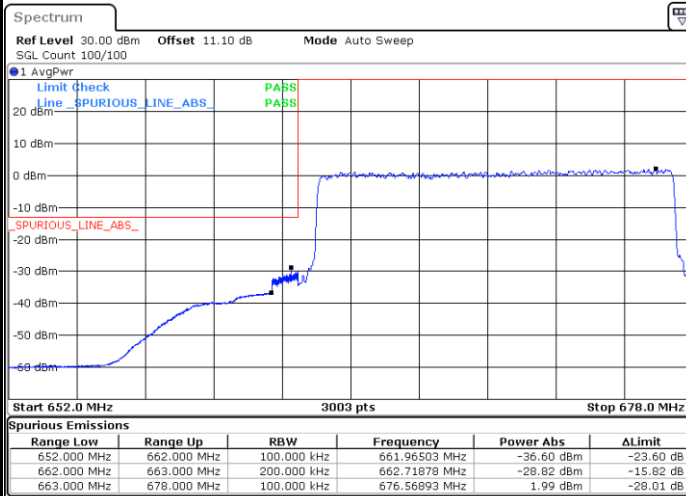
Lowest Band Edge / 1 RB



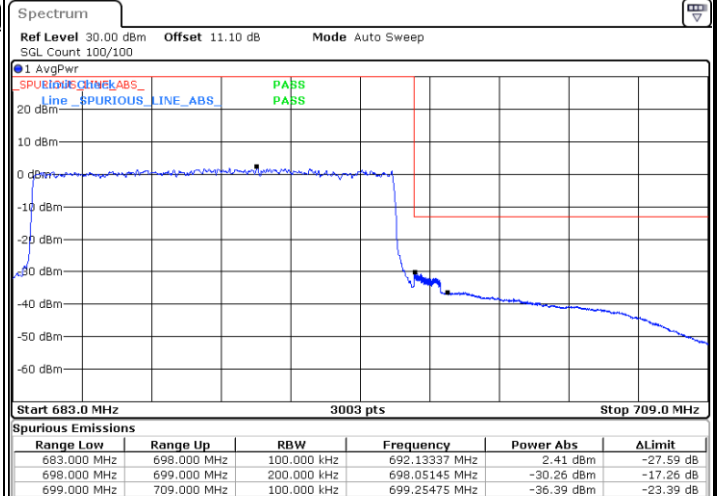
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



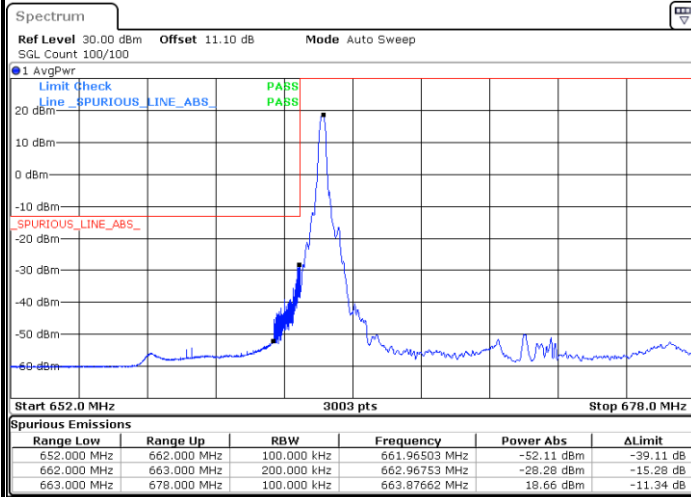
Highest Band Edge / Full RB



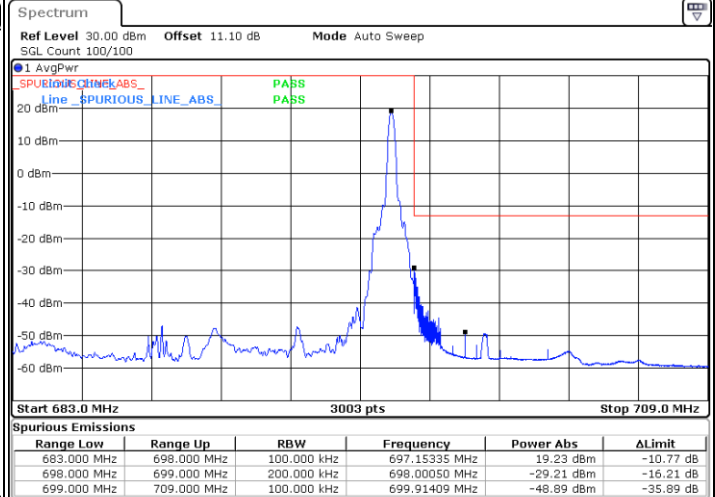


LTE Band 71 / 15MHz / 16QAM

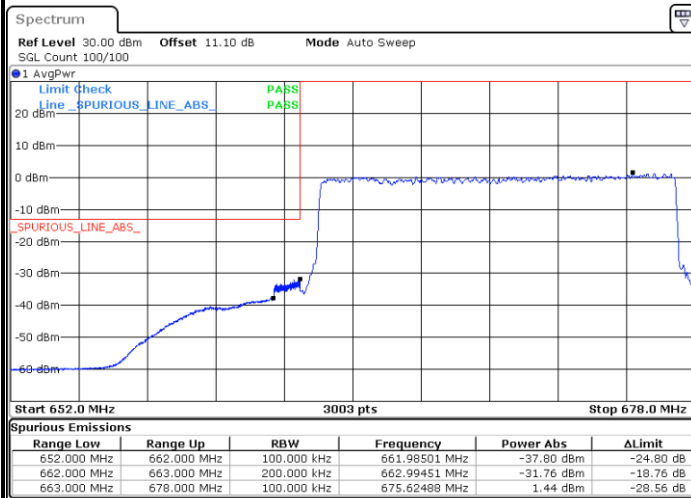
Lowest Band Edge / 1 RB



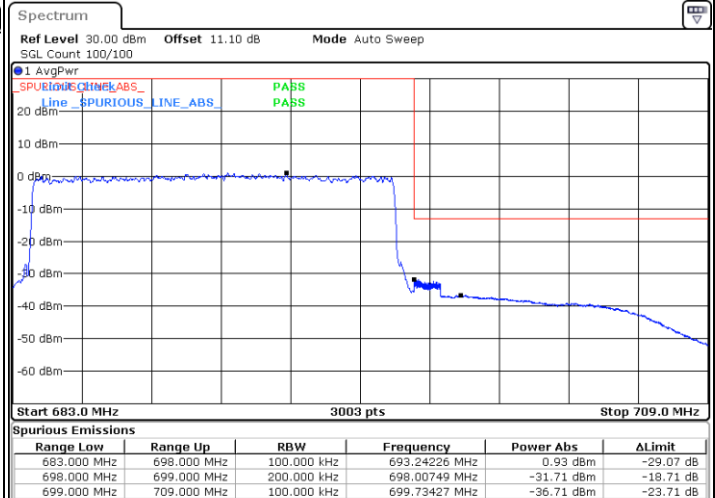
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



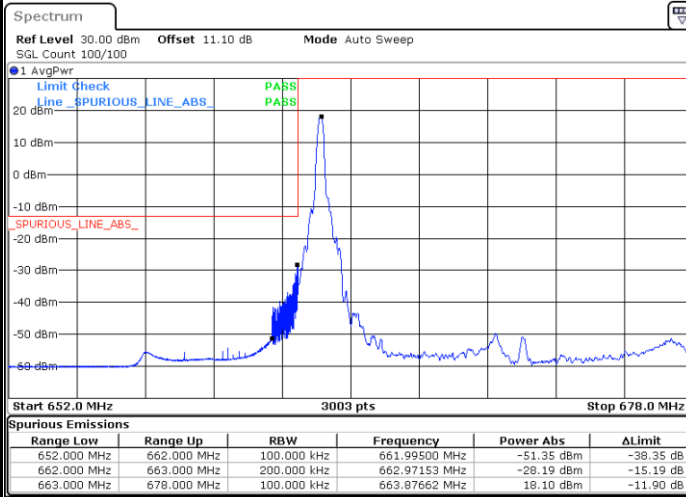
Highest Band Edge / Full RB



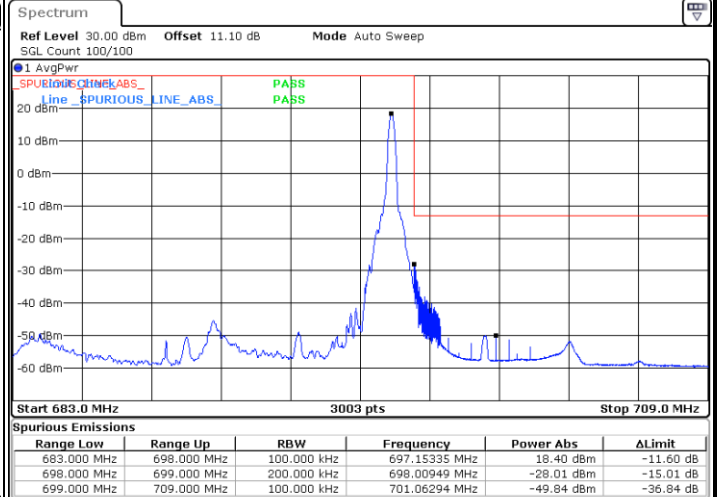


LTE Band 71 / 15MHz / 64QAM

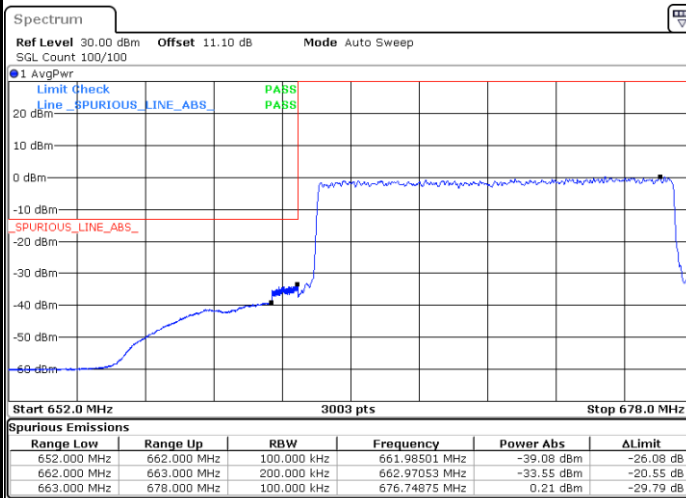
Lowest Band Edge / 1 RB



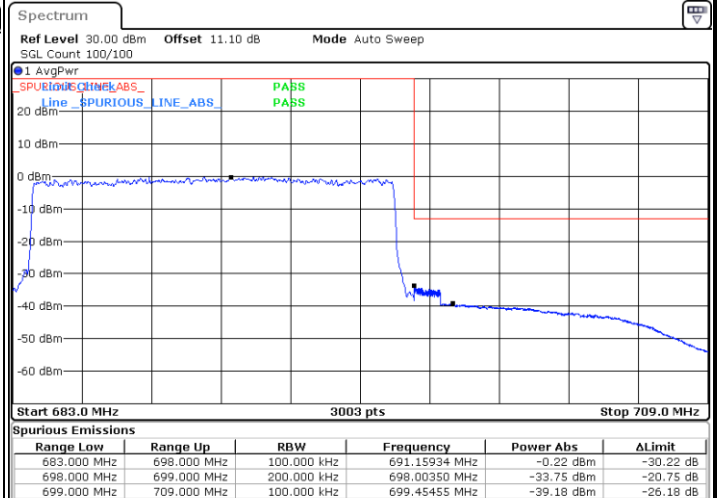
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



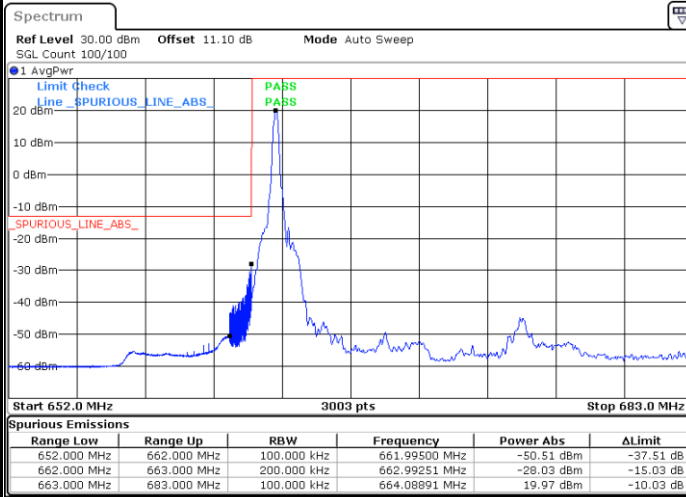
Highest Band Edge / Full RB



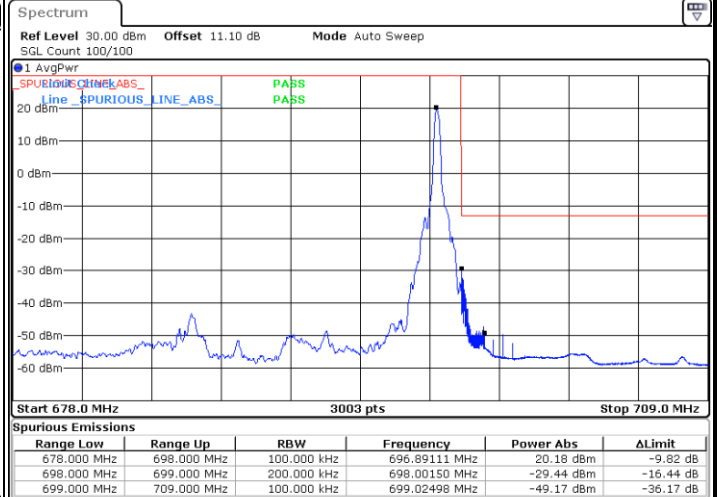


LTE Band 71 / 20MHz / QPSK

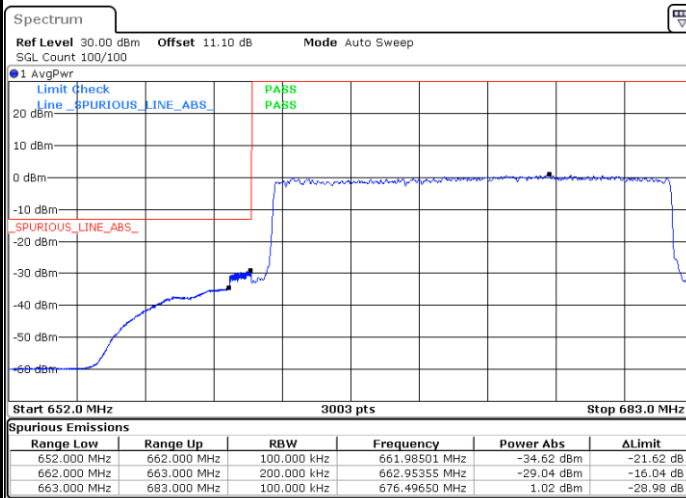
Lowest Band Edge / 1 RB



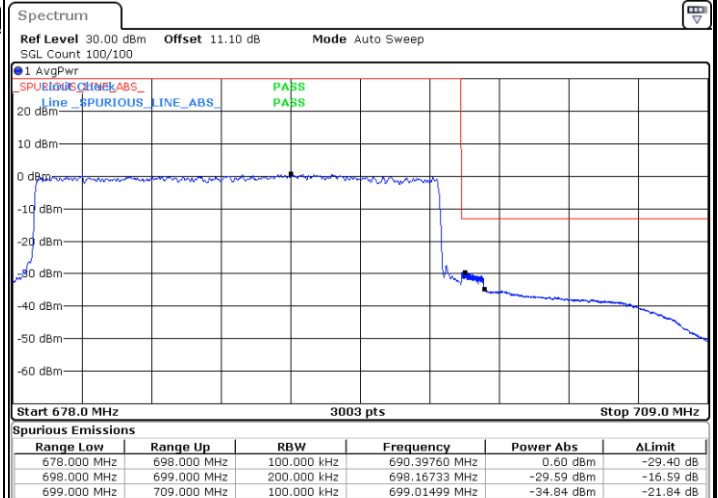
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



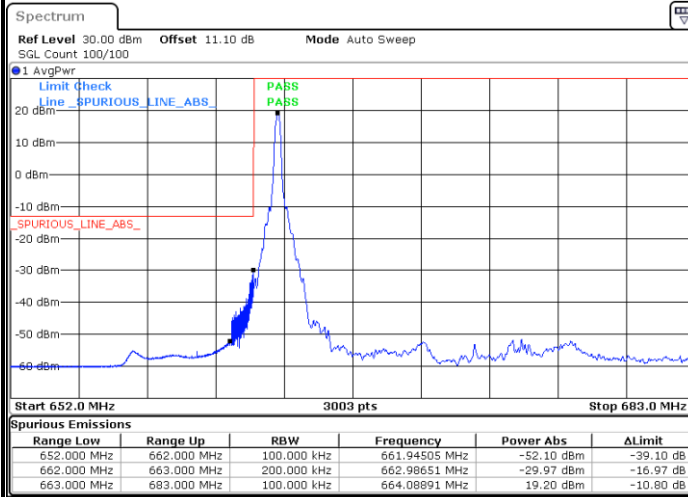
Highest Band Edge / Full RB



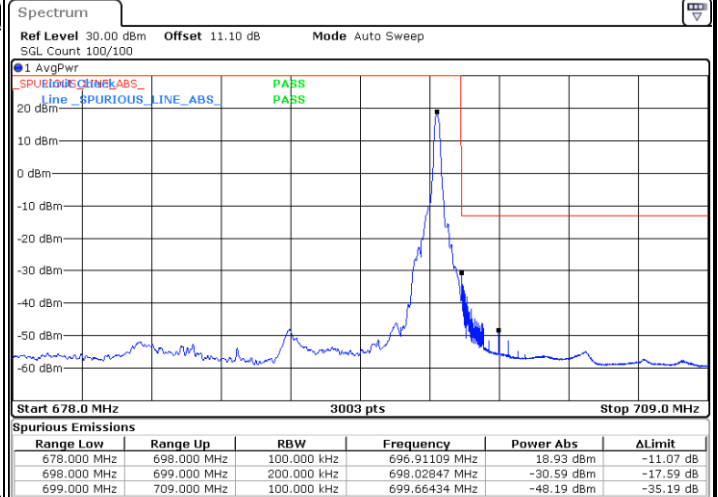


LTE Band 71 / 20MHz / 16QAM

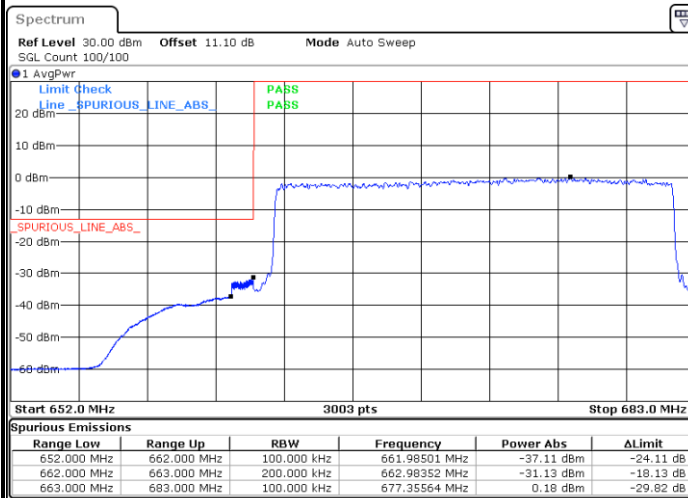
Lowest Band Edge / 1 RB



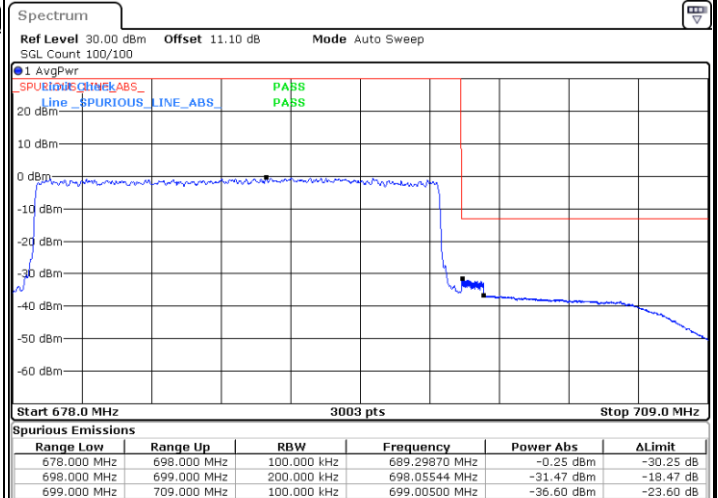
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



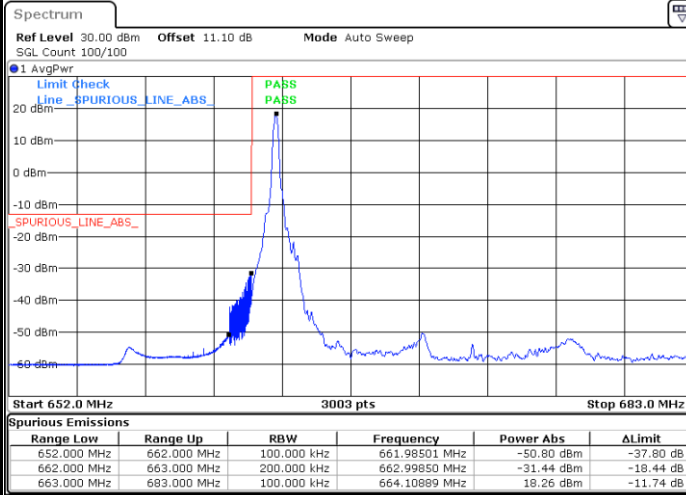
Highest Band Edge / Full RB



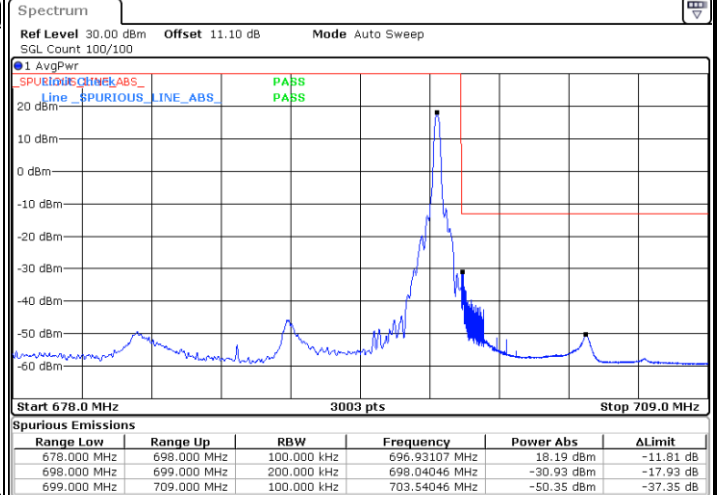


LTE Band 71 / 20MHz / 64QAM

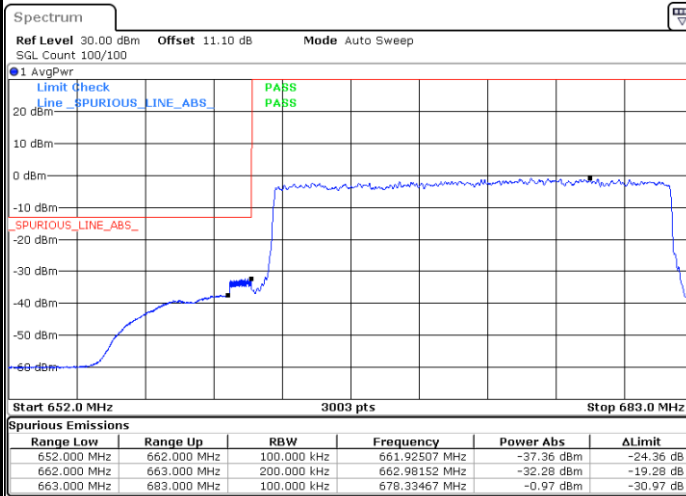
Lowest Band Edge / 1 RB



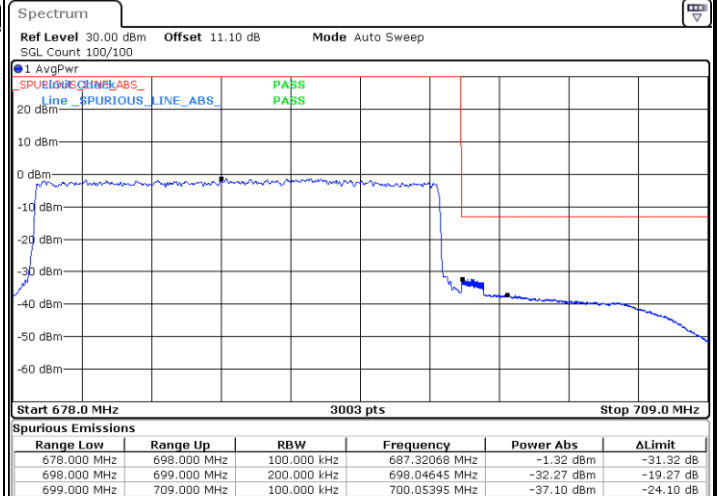
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

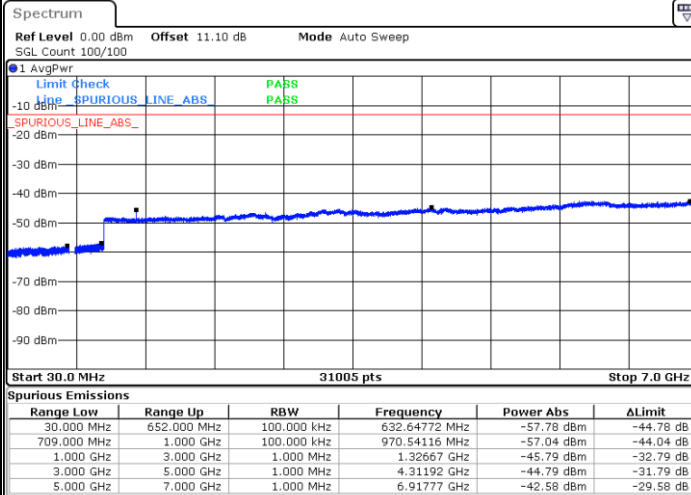




Conducted Spurious Emission

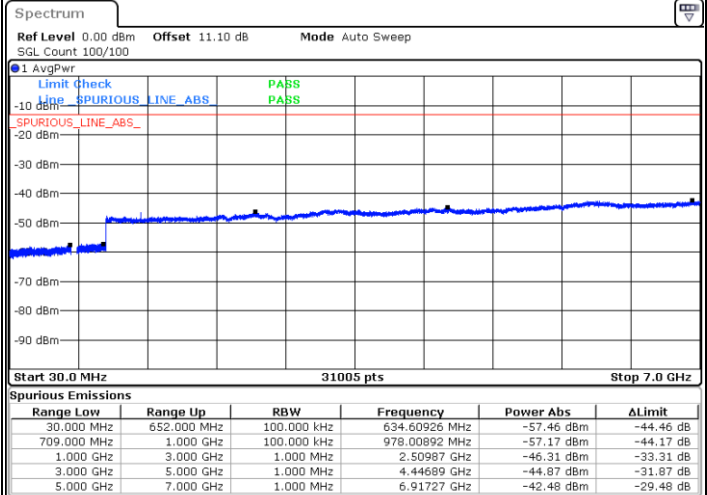
LTE Band 71 / 5MHz

Lowest Channel / QPSK



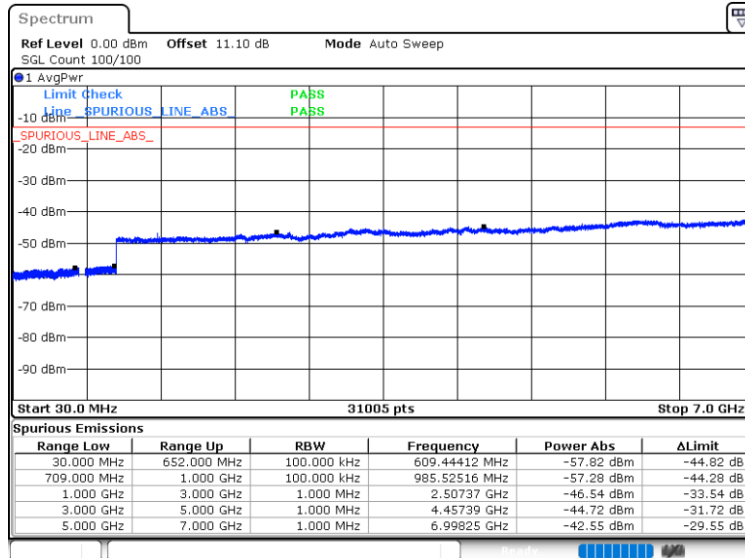
Date: 12.JUN.2021 11:49:36

Middle Channel / QPSK



Date: 12.JUN.2021 11:51:59

Highest Channel / QPSK

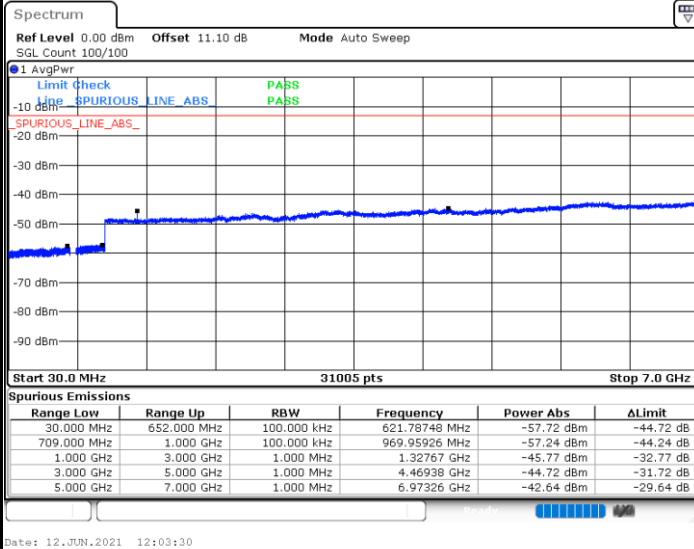


Date: 12.JUN.2021 11:55:58

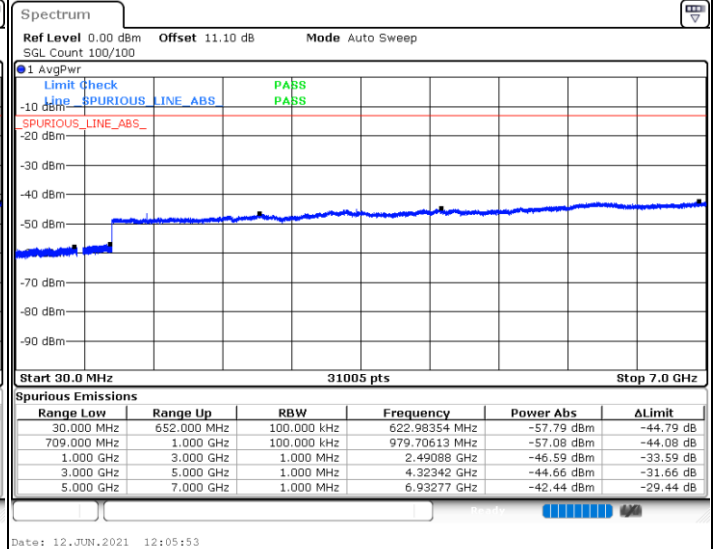


LTE Band 71 / 10MHz

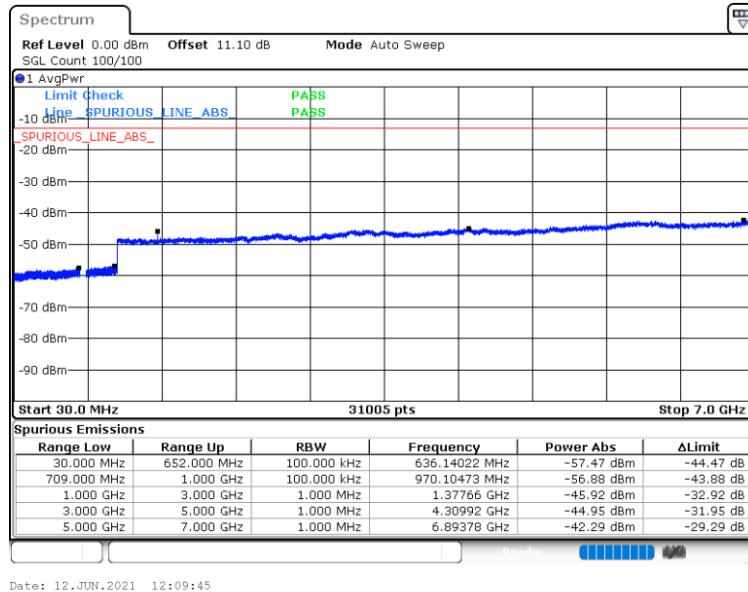
Lowest Channel / QPSK



Middle Channel / QPSK



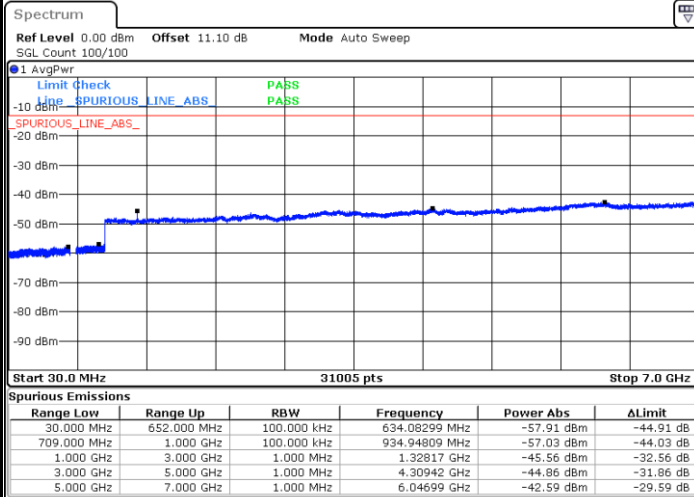
Highest Channel / QPSK





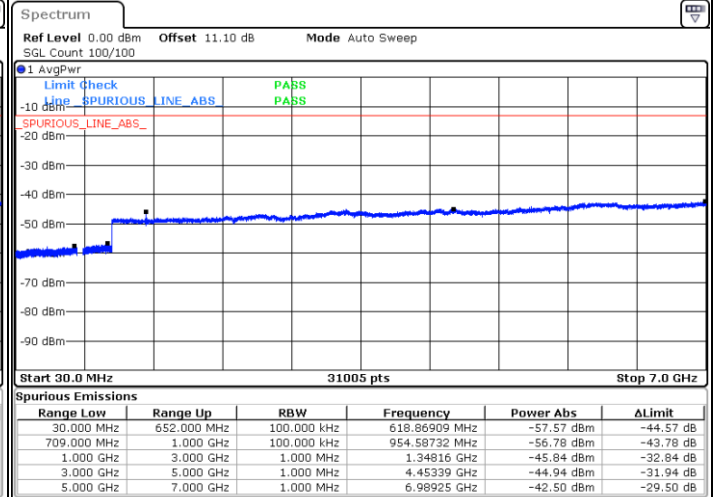
LTE Band 71 / 15MHz

Lowest Channel / QPSK



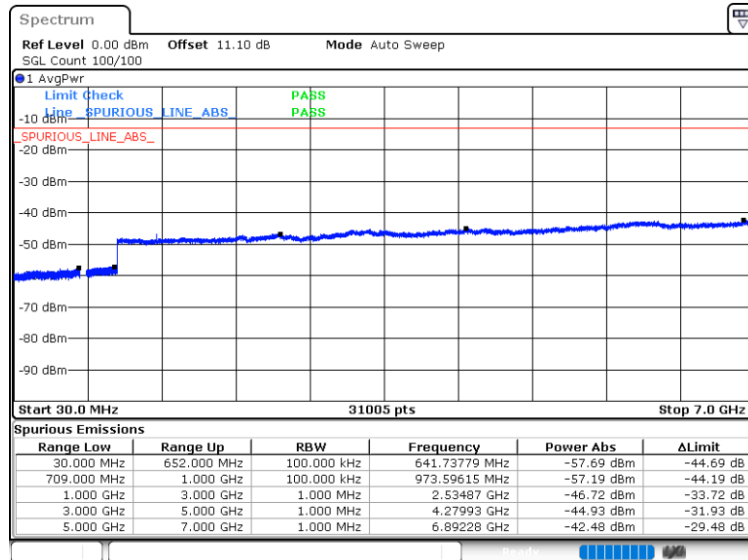
Date: 12.JUN.2021 12:17:13

Middle Channel / QPSK



Date: 12.JUN.2021 12:19:36

Highest Channel / QPSK

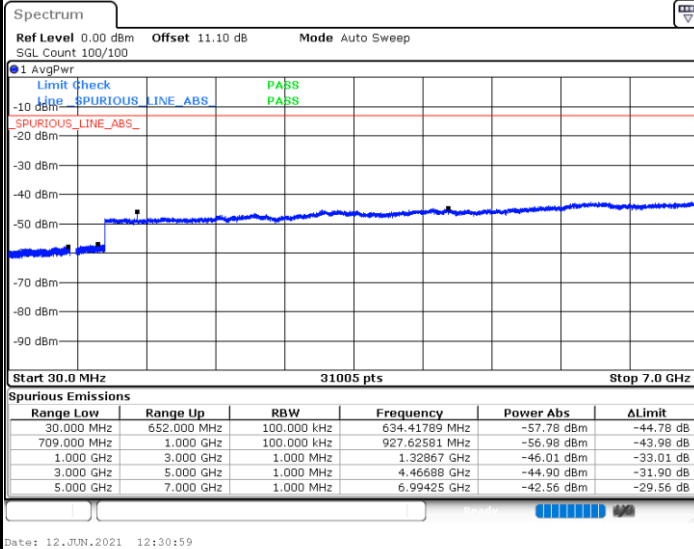


Date: 12.JUN.2021 12:23:29

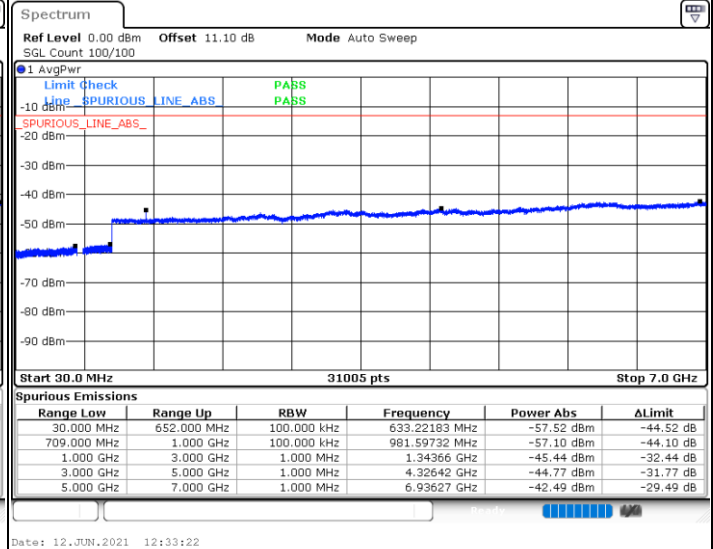


LTE Band 71 / 20MHz

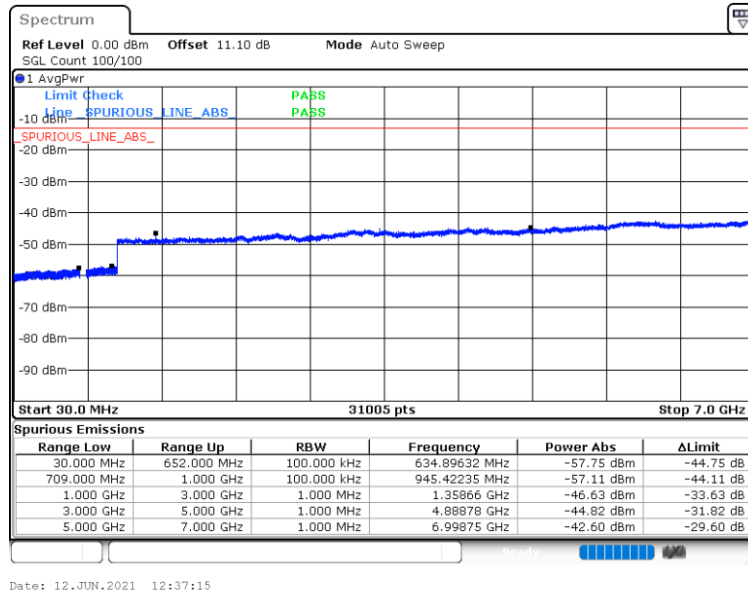
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
40	Normal Voltage	0.0069	PASS
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0073	
20	Maximum Voltage	0.0151	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0028	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. EUT can't operate outside the temperatures between -20 °C and 40 °C.



Appendix B. Test Results of Radiated Test

LTE Band 26

LTE Band 26 / 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)
Lowest	1648	-63.32	-13	-50.32	-75.29	-68.62	1.83	9.28	H
	2472	-61.91	-13	-48.91	-78.49	-68.14	2.25	10.63	H
	3296	-59.82	-13	-46.82	-78.52	-67.33	2.62	12.28	H
	4120	-56.95	-13	-43.95	-78.41	-64.60	2.90	12.70	H
									H
									H
	1648	-61.42	-13	-48.42	-73.85	-66.72	1.83	9.28	V
	2472	-62.00	-13	-49.00	-78.81	-68.23	2.25	10.63	V
	3298	-60.94	-13	-47.94	-80.04	-68.46	2.62	12.29	V
	4120	-58.36	-13	-45.36	-80.35	-66.01	2.90	12.70	V
									V
									V
Middle	1664	-65.29	-13	-52.29	-77.38	-70.68	1.84	9.38	H
	2496	-60.13	-13	-47.13	-76.89	-66.50	2.26	10.78	H
	3328	-57.34	-13	-44.34	-75.96	-65.08	2.64	12.52	H
	4160	-57.44	-13	-44.44	-79.02	-65.07	2.92	12.70	H
									H
									H
	1664	-64.82	-13	-51.82	-77.38	-70.21	1.84	9.38	V
	2496	-59.69	-13	-46.69	-76.52	-66.06	2.26	10.78	V
	3328	-60.97	-13	-47.97	-79.99	-68.71	2.64	12.52	V
	4160	-58.73	-13	-45.73	-80.87	-66.36	2.92	12.70	V
									V
									V



Highest	1680	-61.37	-13	-48.37	-73.59	-66.85	1.85	9.48	H
	2520	-61.67	-13	-48.67	-78.37	-68.05	2.27	10.80	H
	3360	-57.59	-13	-44.59	-76.14	-65.47	2.65	12.68	H
	4200	-57.71	-13	-44.71	-79.43	-65.32	2.94	12.70	H
									H
									H
	1680	-59.25	-13	-46.25	-71.94	-64.73	1.85	9.48	V
	2520	-61.56	-13	-48.56	-78.43	-67.94	2.27	10.80	V
	3360	-61.47	-13	-48.47	-80.41	-69.35	2.65	12.68	V
	4200	-58.02	-13	-45.02	-80.33	-65.63	2.94	12.70	V
									V
									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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-62.34	-13	-49.34	-74.31	-67.64	1.83	9.28	H
	2474	-62.42	-13	-49.42	-79.01	-68.67	2.25	10.64	H
	3296	-59.92	-13	-46.92	-78.62	-67.43	2.62	12.28	H
	4128	-53.80	-13	-40.80	-75.28	-61.44	2.91	12.70	H
									H
									H
	1648	-60.39	-13	-47.39	-72.82	-65.69	1.83	9.28	V
	2474	-61.70	-13	-48.70	-78.51	-67.95	2.25	10.64	V
	3299	-61.36	-13	-48.36	-80.47	-68.88	2.62	12.30	V
	4128	-56.76	-13	-43.76	-78.78	-64.40	2.91	12.70	V
									V
									V
Middle	1656	-64.89	-13	-51.89	-76.92	-70.24	1.84	9.34	H
	2488	-59.74	-13	-46.74	-76.43	-66.06	2.25	10.73	H
	3320	-57.78	-13	-44.78	-76.42	-65.46	2.63	12.46	H
	4152	-53.66	-13	-40.66	-75.22	-61.29	2.92	12.70	H
									H
									H
	1656	-62.03	-13	-49.03	-74.52	-67.38	1.84	9.34	V
	2488	-49.21	-13	-36.21	-66.02	-55.53	2.25	10.73	V
	3320	-61.15	-13	-48.15	-80.19	-68.83	2.63	12.46	V
	4152	-55.22	-13	-42.22	-77.33	-62.85	2.92	12.70	V
									V
									V



Highest	1672	-64.09	-13	-51.09	-76.24	-69.53	1.85	9.43	H
	2504	-59.69	-13	-46.69	-76.45	-66.08	2.26	10.80	H
	3336	-57.74	-13	-44.74	-76.34	-65.54	2.64	12.59	H
									H
									H
									H
	1672	-61.82	-13	-48.82	-74.44	-67.26	1.85	9.43	V
	2504	-59.78	-13	-46.78	-76.61	-66.17	2.26	10.80	V
	3336	-61.10	-13	-48.10	-80.09	-68.90	2.64	12.59	V
									V
									V
									V

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

**LTE Band 25**

LTE Band 25 / 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	3700	-51.71	-13	-38.71	-72.59	-61.34	2.77	12.40	H
	5555	-44.90	-13	-31.90	-69.92	-54.83	3.46	13.39	H
	7403	-45.54	-13	-32.54	-75.05	-52.75	3.98	11.19	H
									H
									H
									H
	3700	-49.26	-13	-36.26	-70.55	-58.89	2.77	12.40	V
	5555	-47.27	-13	-34.27	-72.37	-57.20	3.46	13.39	V
	7403	-42.83	-13	-29.83	-72.82	-50.04	3.98	11.19	V
									V
									V
									V
Middle	3742	-55.53	-13	-42.53	-76.56	-65.24	2.78	12.48	H
	5611	-45.08	-13	-32.08	-69.94	-54.95	3.48	13.34	H
	7487	-49.70	-13	-36.70	-79.21	-56.88	4.00	11.17	H
									H
									H
									H
	3742	-53.23	-13	-40.23	-74.66	-62.94	2.78	12.48	V
	5611	-46.48	-13	-33.48	-71.56	-56.35	3.48	13.34	V
	7487	-47.35	-13	-34.35	-77.23	-54.53	4.00	11.17	V
									V
									V
									V



Highest	3791	-55.39	-13	-42.39	-76.59	-65.02	2.79	12.42	H
	5688	-44.16	-13	-31.16	-69.43	-54.09	3.50	13.42	H
	7585	-50.71	-13	-37.71	-79.82	-58.02	4.03	11.34	H
									H
									H
									H
	3791	-51.50	-13	-38.50	-73.08	-61.13	2.79	12.42	V
	5688	-45.00	-13	-32.00	-70.5	-54.93	3.50	13.42	V
	7585	-48.40	-13	-35.40	-78.03	-55.71	4.03	11.34	V
									V
									V
									V

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

**LTE Band 12**

LTE Band 12 / 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)
Lowest	1399	-64.06	-13.00	-51.06	-75.35	-67.12	1.69	6.89	H
	2099	-61.83	-13.00	-48.83	-76.44	-67.11	2.08	9.51	H
	2798	-60.15	-13.00	-47.15	-77.72	-66.80	2.39	11.19	H
	3498	-59.49	-13.00	-46.49	-78.93	-67.03	2.72	12.41	H
	4198	-57.75	-13.00	-44.75	-79.46	-65.36	2.94	12.70	H
									H
									H
	1399	-64.02	-13.00	-51.02	-75.50	-67.08	1.69	6.89	V
	2099	-61.23	-13.00	-48.23	-76.31	-66.51	2.08	9.51	V
	2798	-59.85	-13.00	-46.85	-77.68	-66.50	2.39	11.19	V
	3498	-55.49	-13.00	-42.49	-75.29	-63.03	2.72	12.41	V
	4198	-57.31	-13.00	-44.31	-79.61	-64.92	2.94	12.70	V
									V
									V
Middle	1406	-64.24	-13.00	-51.24	-75.60	-67.35	1.69	6.95	H
	2109	-61.50	-13.00	-48.50	-76.23	-66.68	2.08	9.41	H
	2812	-60.21	-13.00	-47.21	-77.79	-66.86	2.40	11.20	H
	3515	-59.38	-13.00	-46.38	-78.92	-66.85	2.72	12.34	H
	4218	-57.64	-13.00	-44.64	-79.40	-65.24	2.95	12.70	H
									H
									H
	1406	-63.72	-13.00	-50.72	-75.24	-66.83	1.69	6.95	V
	2109	-61.20	-13.00	-48.20	-76.42	-66.38	2.08	9.41	V
	2812	-59.86	-13.00	-46.86	-77.73	-66.51	2.40	11.20	V
	3515	-55.42	-13.00	-42.42	-75.34	-62.89	2.72	12.34	V
	4218	-54.52	-13.00	-41.52	-76.87	-62.12	2.95	12.70	V
									V
									V



Highest	1413	-63.91	-13.00	-50.91	-75.35	-67.07	1.69	7.00	H
	2120	-62.36	-13.00	-49.36	-77.21	-67.42	2.09	9.30	H
	2826	-60.40	-13.00	-47.40	-77.98	-67.05	2.40	11.20	H
	3532	-59.85	-13.00	-46.85	-79.47	-67.24	2.73	12.27	H
	4239	-57.81	-13.00	-44.81	-79.62	-65.40	2.96	12.70	H
									H
									H
	1413	-63.84	-13.00	-50.84	-75.41	-67.00	1.69	7.00	V
	2120	-61.88	-13.00	-48.88	-77.24	-66.94	2.09	9.30	V
	2826	-59.72	-13.00	-46.72	-77.61	-66.37	2.40	11.20	V
	3532	-57.36	-13.00	-44.36	-77.37	-64.75	2.73	12.27	V
	4239	-56.16	-13.00	-43.16	-78.57	-63.75	2.96	12.70	V
									V
									V

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

**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	-63.90	-13	-50.90	-75.89	-68.60	1.78	8.63	H
	2332	-61.39	-13	-48.39	-77.31	-66.75	2.18	9.69	H
	3109	-59.61	-13	-46.61	-77.93	-66.25	2.53	11.32	H
									H
									H
	1555	-64.17	-13.00	-51.17	-76.27	-68.87	1.78	8.63	V
	2332	-60.92	-13	-47.92	-77.55	-66.28	2.18	9.69	V
	3109	-59.09	-13	-46.09	-77.96	-65.73	2.53	11.32	V
									V
									V
Middle	1560	-63.42	-42.15	-21.27	-75.37	-68.15	1.78	8.66	H
	2340	-61.68	-13	-48.68	-77.61	-67.08	2.19	9.74	H
	3119	-59.61	-13	-46.61	-77.99	-66.26	2.54	11.34	H
									H
									H
	1560	-63.99	-42.15	-21.84	-76.08	-68.72	1.78	8.66	V
	2340	-60.78	-13	-47.78	-77.42	-66.18	2.19	9.74	V
	3119	-59.05	-13	-46.05	-77.97	-65.70	2.54	11.34	V
									V
									V



Highest	1565	-63.90	-42.15	-21.75	-75.80	-68.65	1.79	8.69	H
	2347	-61.65	-13	-48.65	-77.60	-67.09	2.19	9.78	H
	3129	-59.68	-13	-46.68	-78.14	-66.35	2.54	11.36	H
									H
									H
	1565	-63.96	-42.15	-21.81	-76.04	-68.71	1.79	8.69	V
	2347	-60.88	-13	-47.88	-77.54	-66.32	2.19	9.78	V
	3129	-59.26	-13	-46.26	-78.24	-65.93	2.54	11.36	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	-62.41	-13	-49.41	-74.4	-67.11	1.78	8.63	H
	2334	-60.71	-13	-47.71	-76.63	-66.08	2.18	9.70	H
	3110	-59.44	-13	-46.44	-77.77	-66.08	2.53	11.32	H
	3888	-57.05	-13	-44.05	-78.02	-64.46	2.81	12.38	H
									H
									H
	1555	-63.68	-13	-50.68	-75.78	-68.38	1.78	8.63	V
	2334	-59.71	-13	-46.71	-76.34	-65.08	2.18	9.70	V
	3110	-58.90	-13	-45.90	-77.78	-65.54	2.53	11.32	V
	3888	-51.70	-13	-38.70	-73.07	-59.11	2.81	12.38	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	3422	-54.86	-13	-41.86	-74.3	-64.78	2.68	12.60	H
	5133	-53.46	-13	-40.46	-77.8	-62.57	3.32	12.43	H
	6844	-48.42	-13	-35.42	-76.48	-56.96	3.86	12.40	H
									H
									H
	3422	-47.66	-13	-34.66	-67.47	-57.58	2.68	12.60	V
	5133	-51.47	-13	-38.47	-76.36	-60.58	3.32	12.43	V
	6844	-43.26	-13	-30.26	-71.68	-51.80	3.86	12.40	V
									V
									V
Middle	3472	-54.58	-13	-41.58	-74.48	-64.39	2.71	12.51	H
	5208	-50.00	-13	-37.00	-74.59	-59.52	3.34	12.86	H
	6944	-48.76	-13	-35.76	-77.12	-56.87	3.89	12.00	H
									H
									H
	3472	-47.55	-13	-34.55	-67.82	-57.36	2.71	12.51	V
	5208	-49.31	-13	-36.31	-74.38	-58.83	3.34	12.86	V
	6944	-41.86	-13	-28.86	-70.26	-49.97	3.89	12.00	V
									V
									V



Highest	3522	-53.26	-13	-40.26	-73.49	-62.85	2.73	12.31	H
	5283	-47.87	-13	-34.87	-72.5	-57.83	3.37	13.33	H
	7044	-47.39	-13	-34.39	-75.96	-55.11	3.92	11.64	H
									H
									H
	3522	-44.48	-13	-31.48	-65.1	-54.07	2.73	12.31	V
	5283	-46.41	-13	-33.41	-71.39	-56.37	3.37	13.33	V
	7044	-38.14	-13	-25.14	-66.69	-45.86	3.92	11.64	V
									V
									V

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



LTE Band 7

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	5002	-47.87	-25	-22.87	-71.72	-57.19	3.27	12.59	H
	7503	-49.50	-25	-24.50	-79	-56.70	4.00	11.20	H
	10004	-46.06	-25	-21.06	-79.42	-52.60	4.67	11.21	H
									H
									H
	5002	-47.78	-25	-22.78	-72.3	-57.10	3.27	12.59	V
	7503	-43.16	-25	-18.16	-73.01	-50.36	4.00	11.20	V
	10004	-46.64	-25	-21.64	-79.76	-53.18	4.67	11.21	V
									V
									V
Middle	5052	-50.30	-25	-25.30	-74.33	-59.41	3.29	12.40	H
	7578	-48.82	-25	-23.82	-77.97	-56.10	4.03	11.31	H
	10104	-46.11	-25	-21.11	-79.72	-52.80	4.70	11.40	H
									H
									H
	5052	-49.38	-25	-24.38	-74.04	-58.49	3.29	12.40	V
	7578	-40.59	-25	-15.59	-70.24	-47.87	4.03	11.31	V
	10104	-46.35	-25	-21.35	-79.54	-53.04	4.70	11.40	V
									V
									V



Highest	5102	-48.97	-25	-23.97	-73.2	-57.97	3.31	12.31	H
	7653	-49.96	-25	-24.96	-79.05	-57.41	4.06	11.51	H
	10204	-45.82	-25	-20.82	-79.66	-52.38	4.73	11.29	H
									H
									H
	5102	-47.64	-25	-22.64	-72.45	-56.64	3.31	12.31	V
	7653	-45.02	-25	-20.02	-74.64	-52.47	4.06	11.51	V
	10204	-46.30	-25	-21.30	-79.55	-52.86	4.73	11.29	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	-53.72	-25	-28.72	-77.55	-63.06	3.27	12.61	H
	7488	-40.32	-25	-15.32	-69.83	-47.50	4.00	11.18	H
	9990	-46.26	-25	-21.26	-79.62	-52.77	4.67	11.18	H
									H
									H
	4994	-51.19	-25	-26.19	-75.69	-60.53	3.27	12.61	V
	7488	-44.36	-25	-19.36	-74.24	-51.54	4.00	11.18	V
	9990	-47.19	-25	-22.19	-80.3	-53.70	4.67	11.18	V
									V
									V
Middle	5166	-51.40	-25	-26.40	-75.87	-60.67	3.33	12.60	H
	7752	-47.68	-25	-22.68	-76.87	-55.48	4.09	11.89	H
	10332	-45.38	-25	-20.38	-79.54	-51.55	4.77	10.94	H
									H
									H
	5166	-49.44	-25	-24.44	-74.43	-58.71	3.33	12.60	V
	7752	-49.96	-25	-24.96	-79.65	-57.76	4.09	11.89	V
	10332	-46.39	-25	-21.39	-79.72	-52.56	4.77	10.94	V
									V
									V



Highest	5340	-45.90	-25	-20.90	-70.54	-55.99	3.39	13.48	H
	8016	-48.57	-25	-23.57	-78.53	-55.25	4.18	10.86	H
	10683	-45.46	-25	-20.46	-79.94	-51.67	4.86	11.07	H
									H
									H
	5340	-47.30	-25	-22.30	-72.2	-57.39	3.39	13.48	V
	8016	-48.91	-25	-23.91	-79	-55.59	4.18	10.86	V
	10683	-46.55	-25	-21.55	-80.2	-52.76	4.86	11.07	V
									V
									V

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

**LTE Band 41(CA)**

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	5070	-56.22	-25	-31.22	-80.32	-65.28	3.30	12.36	H
	7602	-51.10	-25	-26.10	-80.13	-58.47	4.04	11.40	H
	10143	-46.40	-25	-21.40	-80.09	-53.04	4.71	11.36	H
									H
									H
	5070	-56.29	-25	-31.29	-81	-65.35	3.30	12.36	V
	7602	-50.45	-25	-25.45	-80.03	-57.82	4.04	11.40	V
	10143	-46.73	-25	-21.73	-79.94	-53.37	4.71	11.36	V
									V
									V
Middle	5226	-56.13	-25	-31.13	-80.73	-65.79	3.35	13.01	H
	7835	-49.40	-25	-24.40	-78.77	-56.81	4.12	11.53	H
	10449	-45.85	-25	-20.85	-80.3	-51.74	4.80	10.70	H
									H
									H
	5226	-55.15	-25	-30.15	-80.2	-64.81	3.35	13.01	V
	7835	-48.98	-25	-23.98	-78.77	-56.39	4.12	11.53	V
	10449	-46.55	-25	-21.55	-79.96	-52.44	4.80	10.70	V
									V
									V



Highest	5376	-54.51	-25	-29.51	-79.17	-64.45	3.41	13.34	H
	8064	-49.27	-25	-24.27	-79.2	-56.07	4.20	11.00	H
	10755	-45.43	-25	-20.43	-79.86	-51.54	4.88	10.99	H
									H
									H
	5376	-54.85	-25	-29.85	-79.7	-64.79	3.41	13.34	V
	8064	-49.07	-25	-24.07	-79.34	-55.87	4.20	11.00	V
	10755	-46.30	-25	-21.30	-80.03	-52.41	4.88	10.99	V
									V
									V

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



IC 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	5076	-56.36	-25	-31.36	-80.49	-65.41	3.30	12.35	H
	7614	-50.83	-25	-25.83	-79.87	-58.22	4.04	11.43	H
	10152	-46.39	-25	-21.39	-80.11	-53.02	4.72	11.35	H
									H
									H
	5076	-56.25	-25	-31.25	-80.98	-65.30	3.30	12.35	V
	7614	-50.15	-25	-25.15	-79.74	-57.54	4.04	11.43	V
	10152	-46.92	-25	-21.92	-80.14	-53.55	4.72	11.35	V
									V
									V

**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	-64.08	-13	-51.08	-75.11	-68.90	1.64	6.46	H
	1992	-62.75	-13	-49.75	-76.27	-70.62	2.03	9.90	H
	2656	-61.90	-13	-48.90	-78.62	-70.37	2.33	10.80	H
	3320	-60.72	-13	-47.72	-79.36	-70.55	2.63	12.46	H
	3985	-56.26	-13	-43.26	-77.32	-66.06	2.84	12.64	H
									H
									H
	1328	-64.18	-13	-51.18	-75.2	-69.00	1.64	6.46	V
	1992	-62.61	-13	-49.61	-76.39	-70.48	2.03	9.90	V
	2656	-60.30	-13	-47.30	-77.58	-68.77	2.33	10.80	V
	3320	-59.20	-13	-46.20	-78.24	-69.03	2.63	12.46	V
	3985	-52.37	-13	-39.37	-73.86	-62.17	2.84	12.64	V
									V
									V
Middle	1348	-63.92	-13	-50.92	-75.03	-68.76	1.65	6.50	H
	2022	-62.27	-13	-49.27	-76.05	-70.13	2.04	9.90	H
	2696	-61.33	-13	-48.33	-78.29	-69.78	2.35	10.80	H
	3370	-58.67	-13	-45.67	-77.18	-68.67	2.66	12.66	H
	4045	-53.96	-13	-40.96	-75.18	-63.80	2.86	12.70	H
									H
									H
	1348	-64.21	-13	-51.21	-75.37	-69.05	1.65	6.50	V
	2022	-61.78	-13	-48.78	-75.86	-69.64	2.04	9.90	V
	2696	-60.55	-13	-47.55	-77.98	-69.00	2.35	10.80	V
	3370	-53.60	-13	-40.60	-72.49	-63.60	2.66	12.66	V
	4045	-49.46	-13	-36.46	-71.16	-59.30	2.86	12.70	V
									V
									V



Highest	1358	-64.03	-13	-51.03	-75.17	-68.93	1.66	6.56	H
	2037	-63.65	-13	-50.65	-77.6	-71.50	2.05	9.90	H
	2716	-61.17	-13	-48.17	-78.25	-69.68	2.36	10.86	H
	3395	-60.24	-13	-47.24	-78.7	-70.18	2.67	12.61	H
	4075	-54.07	-13	-41.07	-75.38	-63.89	2.88	12.70	H
									H
									H
	1358	-64.17	-13	-51.17	-75.38	-69.07	1.66	6.56	V
	2037	-63.31	-13	-50.31	-77.59	-71.16	2.05	9.90	V
	2716	-60.75	-13	-47.75	-78.26	-69.26	2.36	10.86	V
	3395	-58.00	-13	-45.00	-76.84	-67.94	2.67	12.61	V
	4075	-50.83	-13	-37.83	-72.63	-60.65	2.88	12.70	V
									V
									V

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