

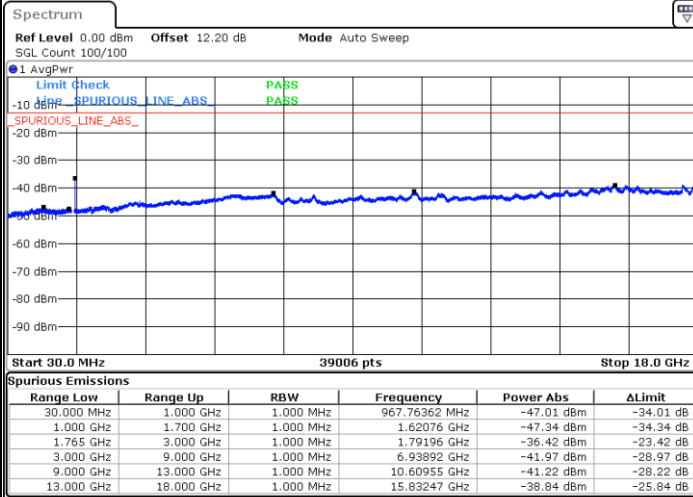


LTE Band 66C / 20MHz+20MHz

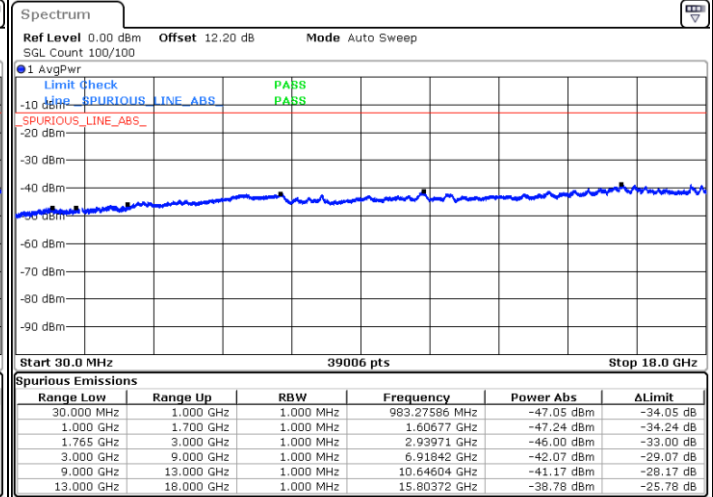
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



Date: 28.JAN.2021 19:11:32



Date: 28.JAN.2021 19:10:40



LTE Band 71

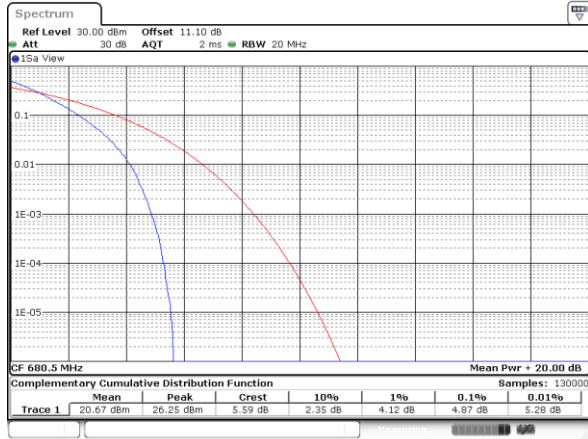
Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.77	6.41	PASS



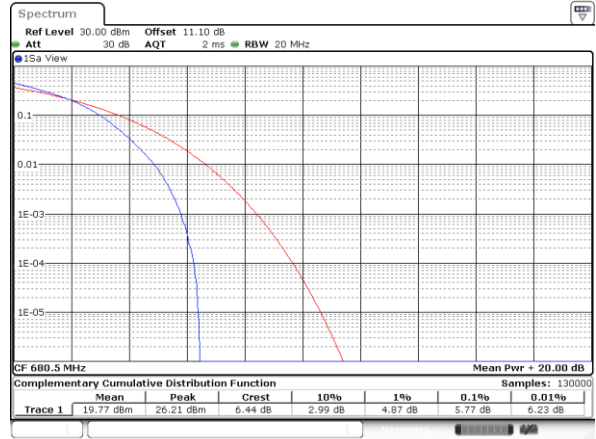
LTE Band 71 / 20MHz / QPSK

Middle Channel / Full RB



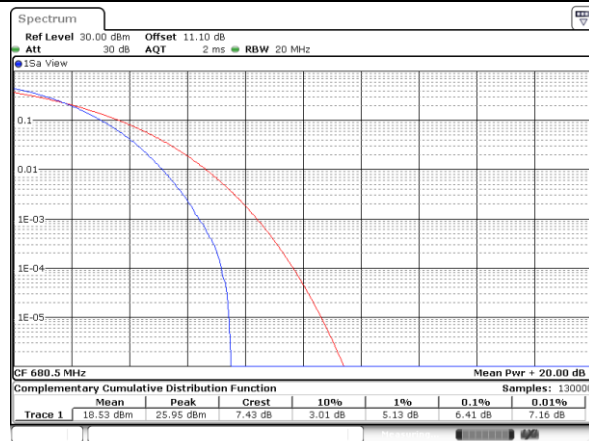
LTE Band 71 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 71 / 20MHz / 64QAM

Middle Channel / Full RB



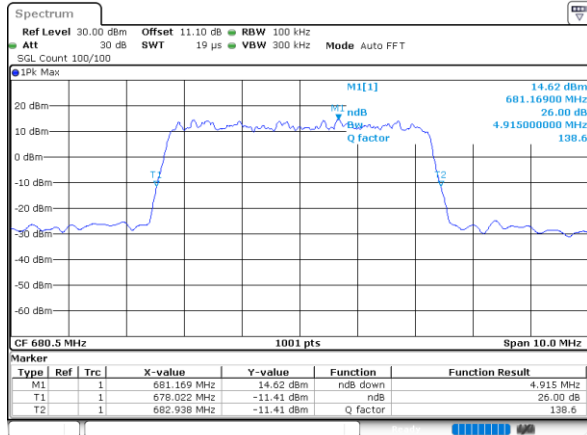
**26dB Bandwidth**

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	-	-	-	-	4.92	4.85	9.75	9.75	14.15	14.39	18.74	18.98
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Middle CH	-	-	-	-	4.88	-	9.77	-	14.33	-	19.06	-



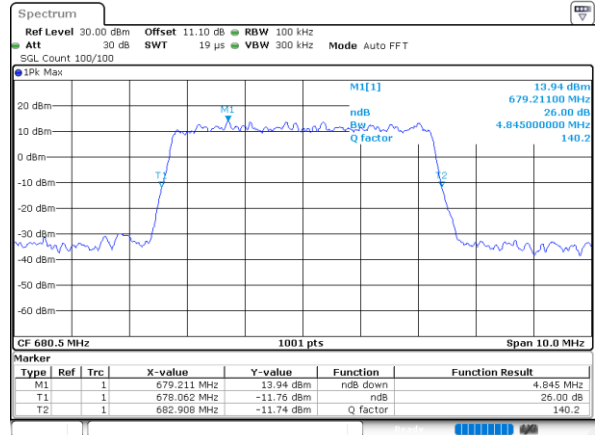
LTE Band 71

Middle Channel / 5MHz / QPSK



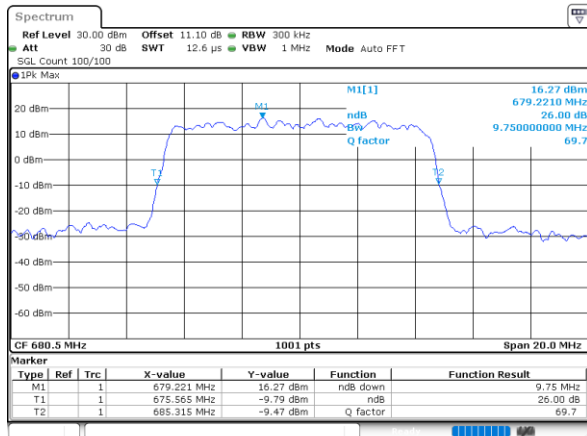
Date: 17.JAN.2021 10:21:25

Middle Channel / 5MHz / 16QAM



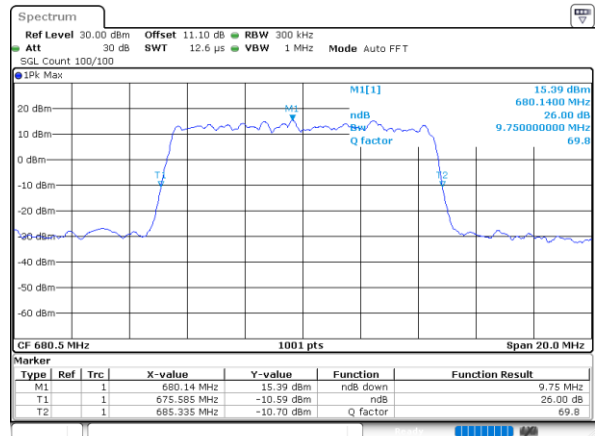
Date: 17.JAN.2021 10:21:36

Middle Channel / 10MHz / QPSK



Date: 17.JAN.2021 10:30:58

Middle Channel / 10MHz / 16QAM

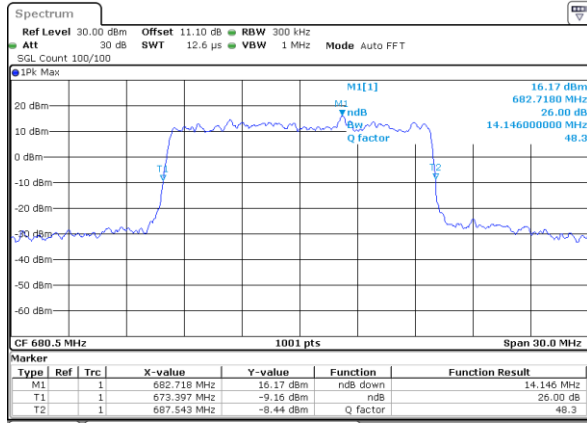


Date: 17.JAN.2021 10:31:09

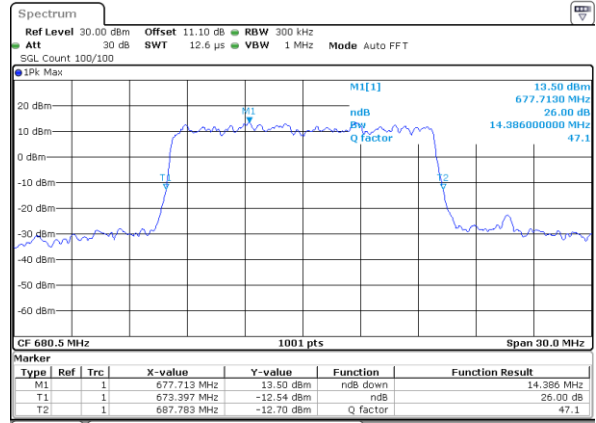


LTE Band 71

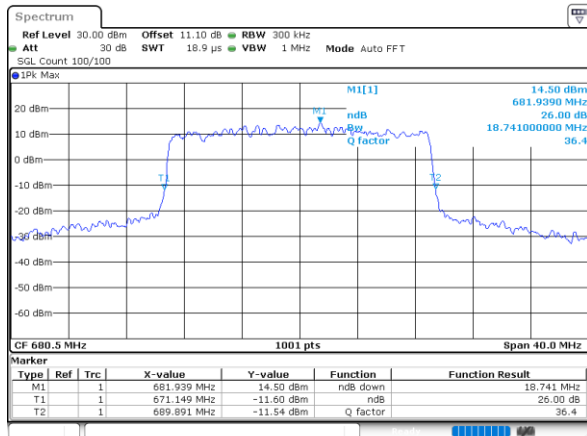
Middle Channel / 15MHz / QPSK



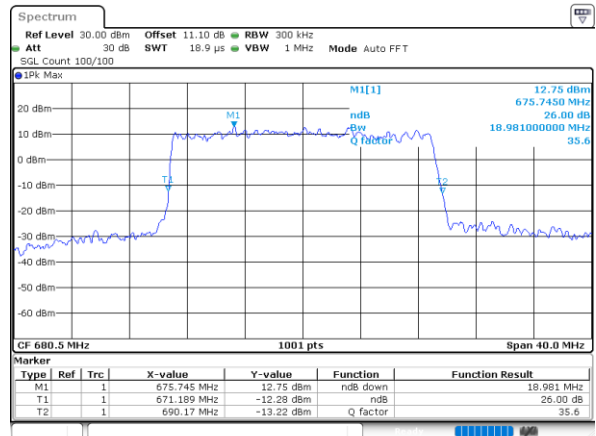
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



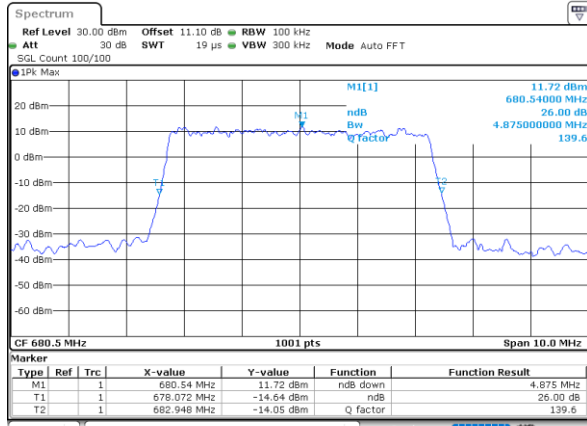
Middle Channel / 20MHz / 16QAM



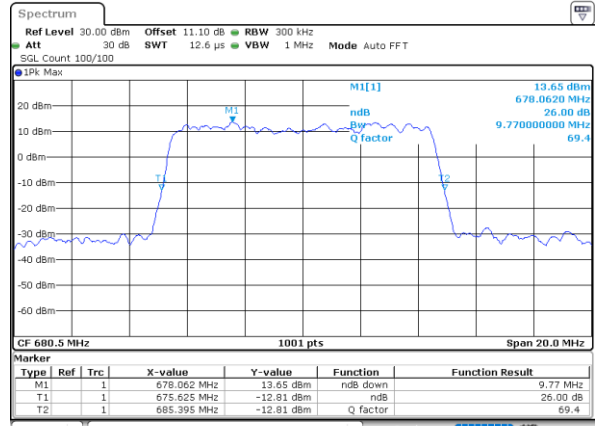


LTE Band 71

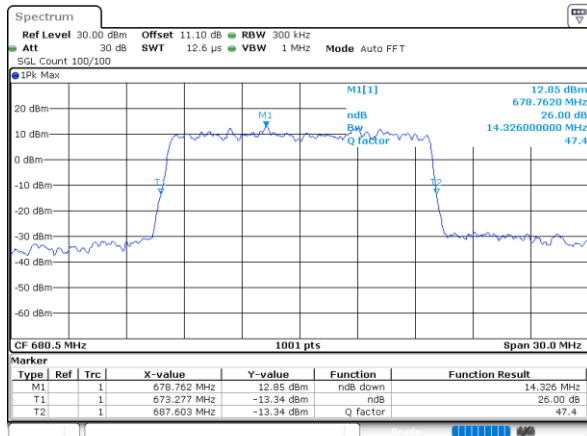
Middle Channel / 5MHz / 64QAM



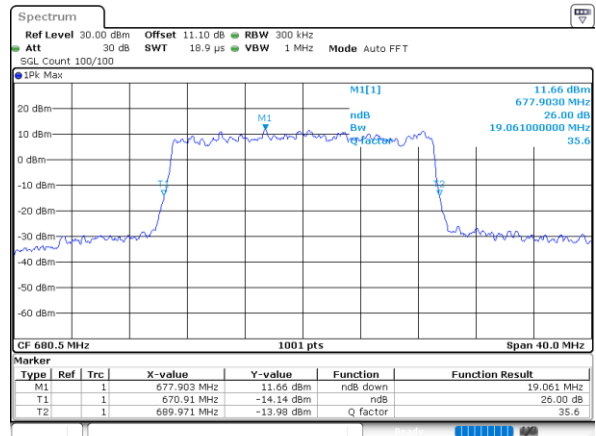
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM



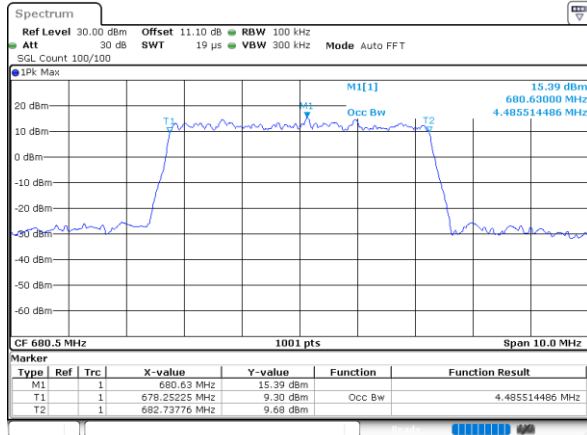
**Occupied Bandwidth**

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	4.49	9.11	8.99	13.40	13.46	17.90	17.94
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Middle CH	-	-	-	-	4.48	-	8.99	-	13.37	-	17.86	

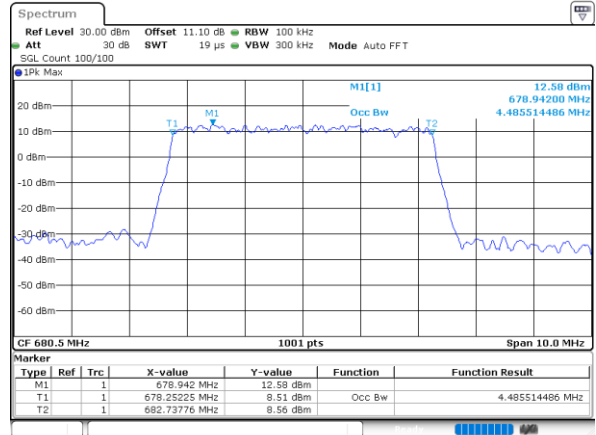


LTE Band 71

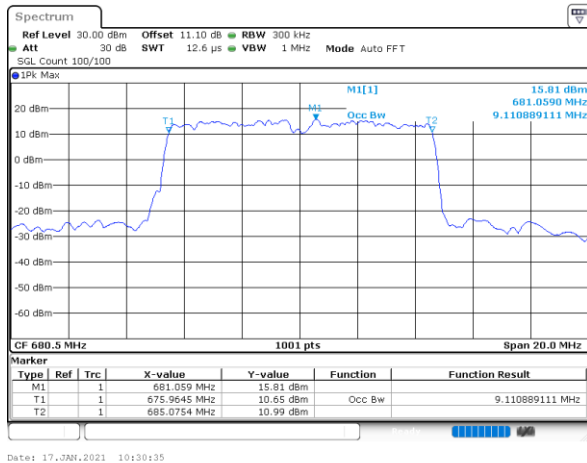
Middle Channel / 5MHz / QPSK



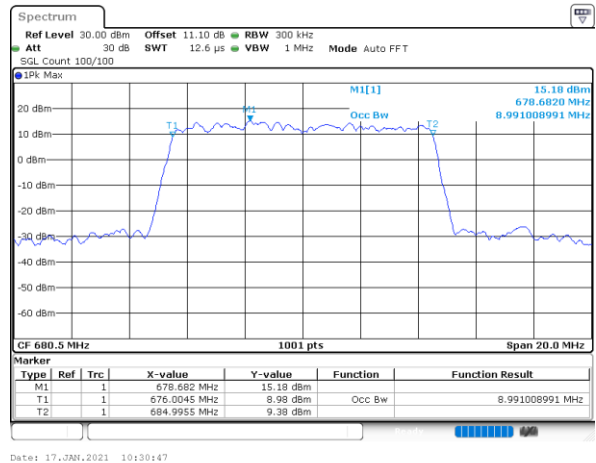
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK



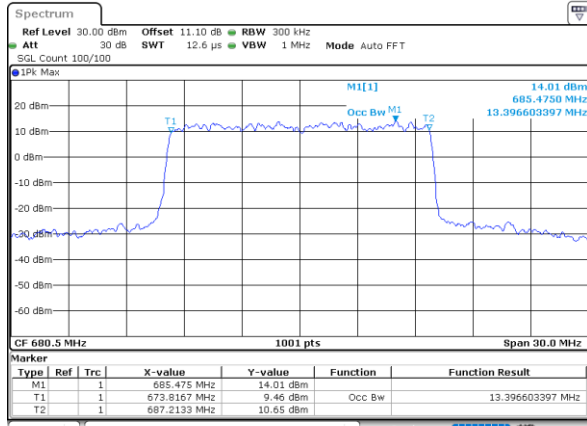
Middle Channel / 10MHz / 16QAM



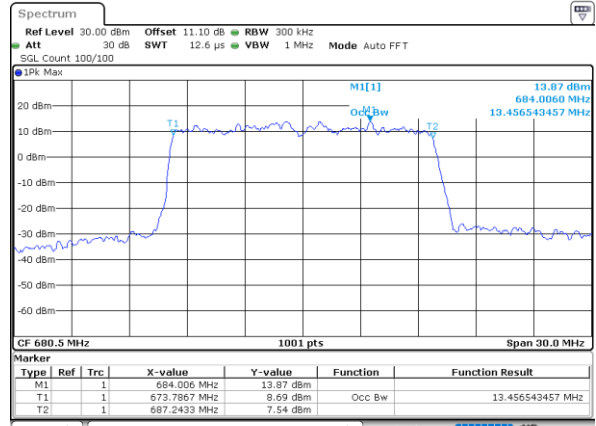


LTE Band 71

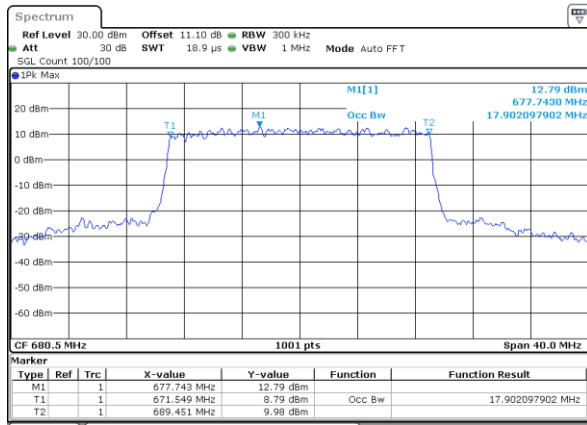
Middle Channel / 15MHz / QPSK



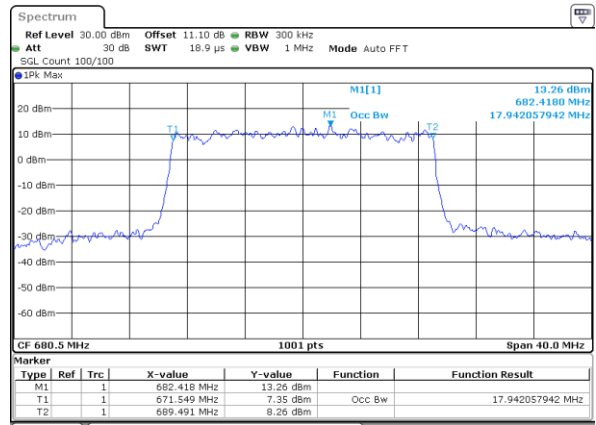
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



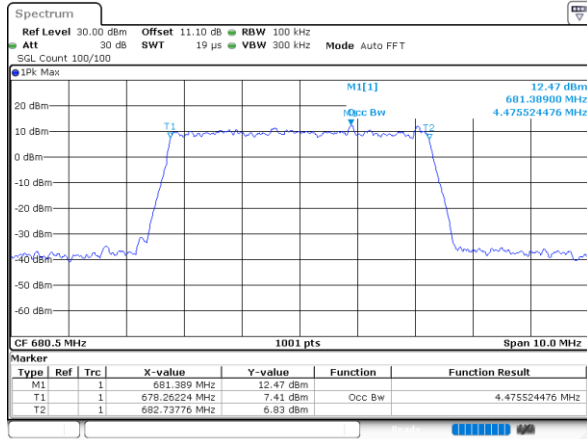
Middle Channel / 20MHz / 16QAM



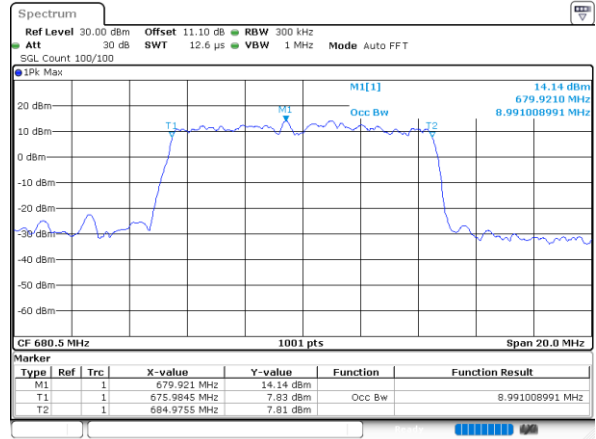


LTE Band 71

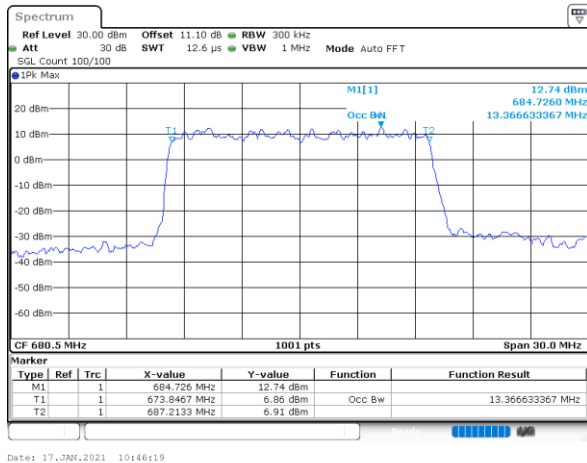
Middle Channel / 5MHz / 64QAM



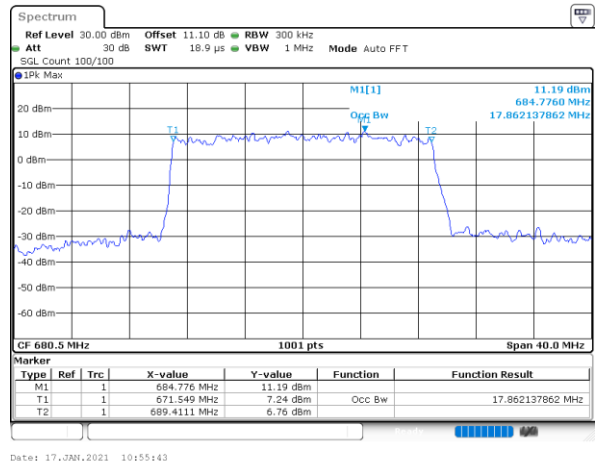
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

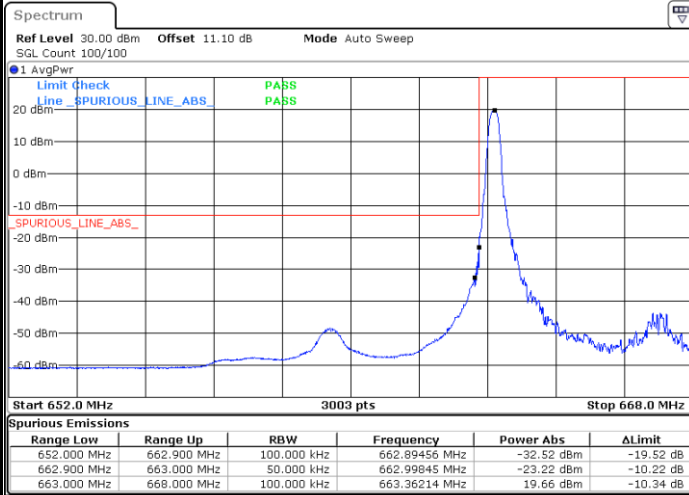




Conducted Band Edge

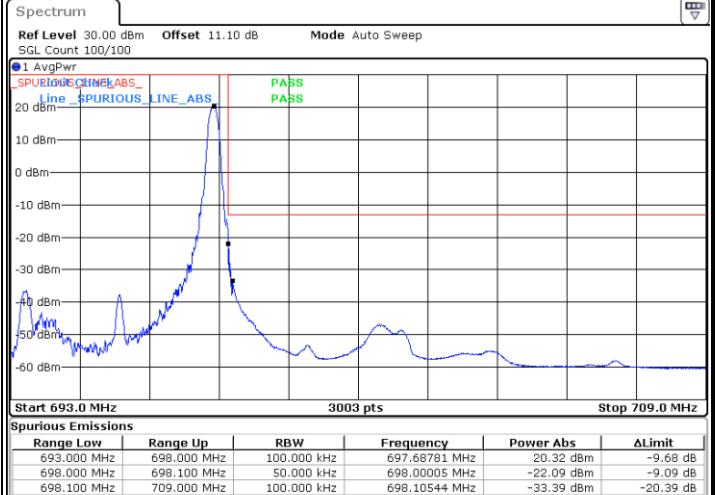
LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



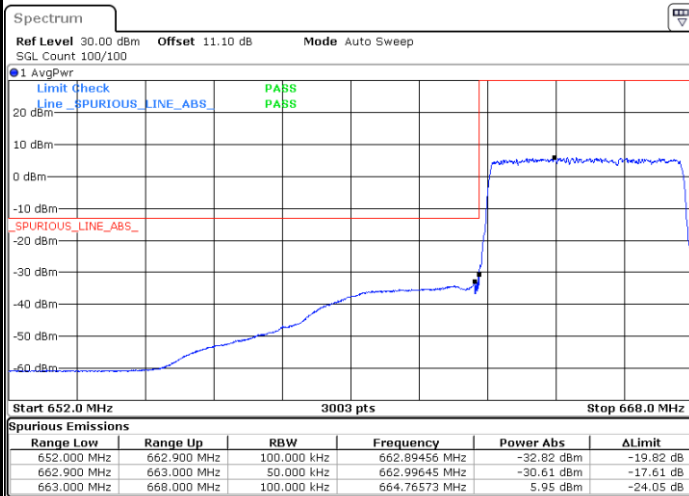
Date: 17.JAN.2021 10:18:36

Highest Band Edge / 1 RB



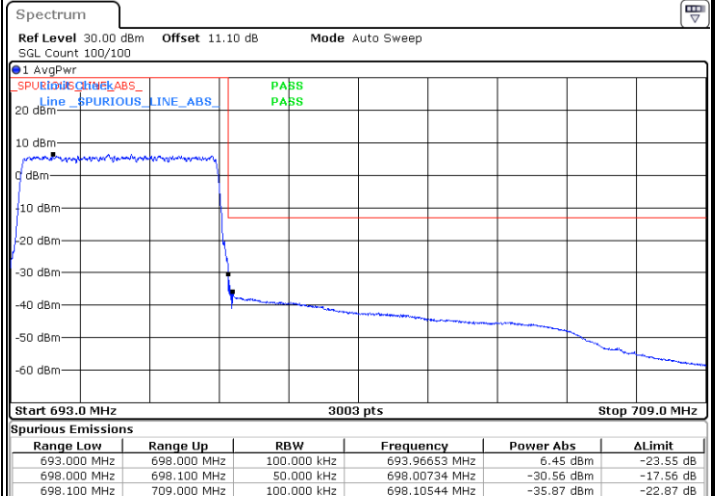
Date: 17.JAN.2021 10:22:38

Lowest Band Edge / Full RB



Date: 17.JAN.2021 10:19:47

Highest Band Edge / Full RB

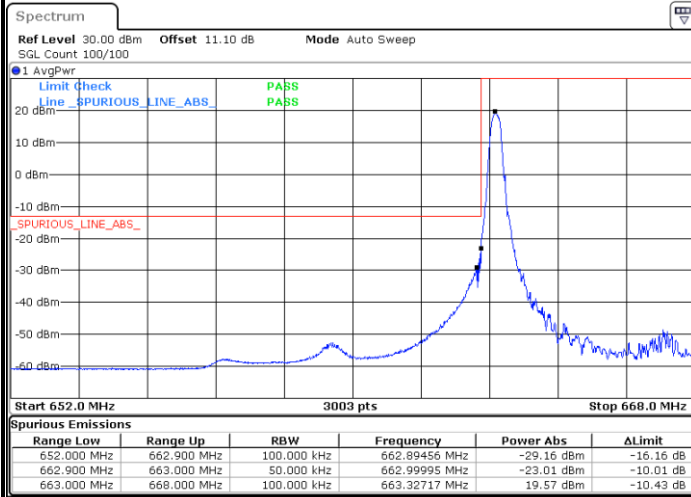


Date: 17.JAN.2021 10:23:51

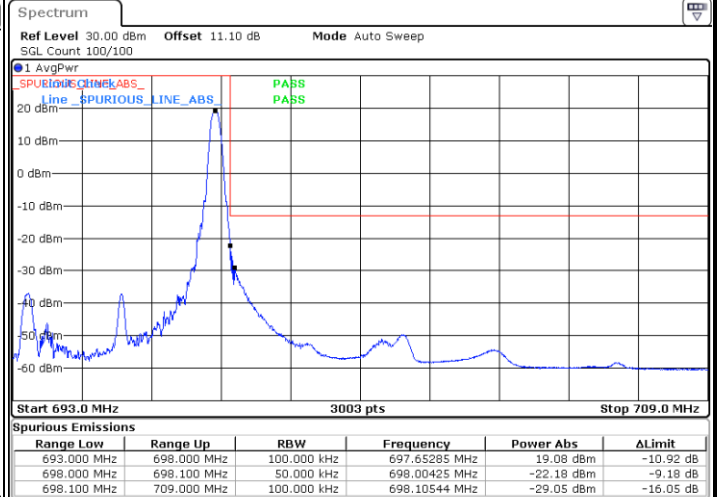


LTE Band 71 / 5MHz / 16QAM

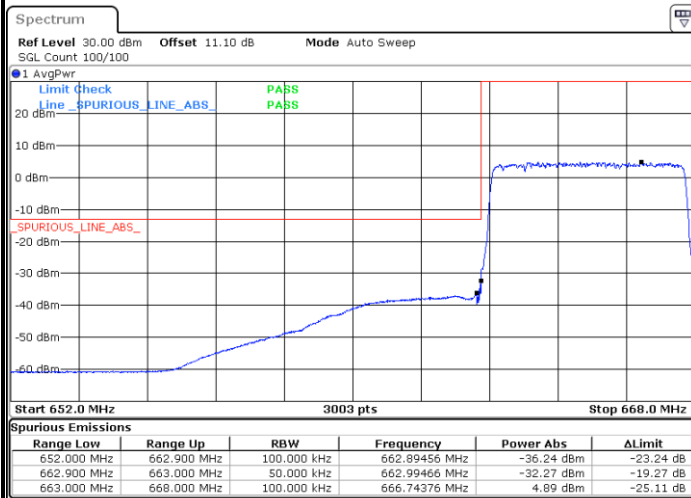
Lowest Band Edge / 1RB



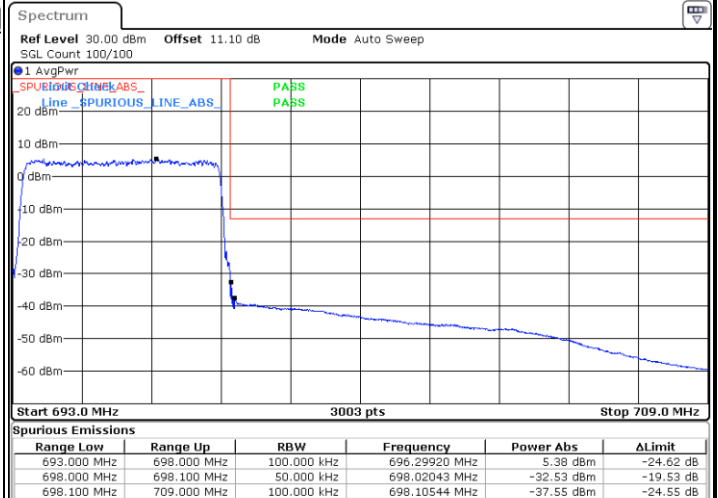
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



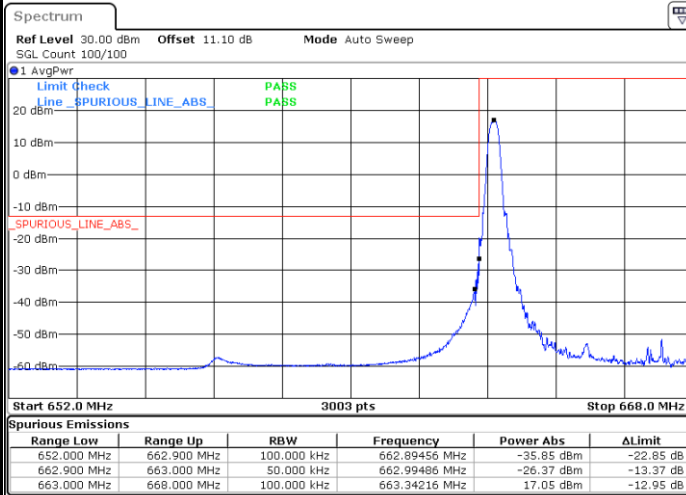
Highest Band Edge / Full RB



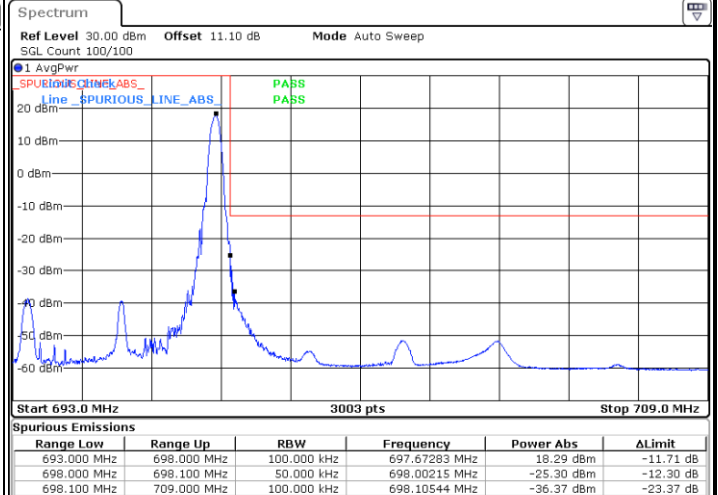


LTE Band 71 / 5MHz / 64QAM

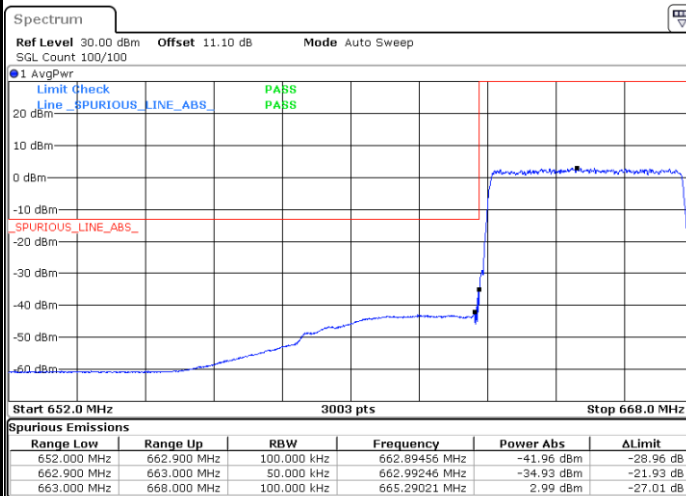
Lowest Band Edge / 1RB



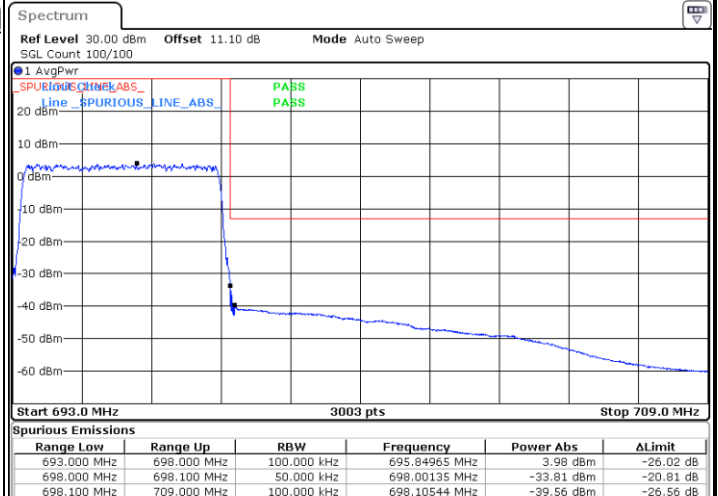
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



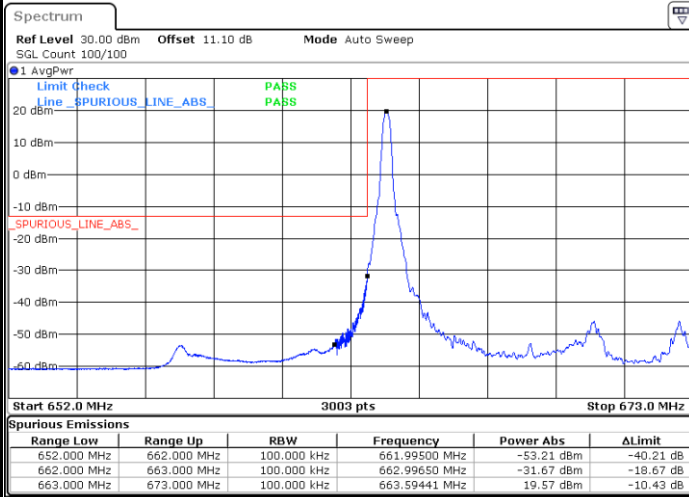
Highest Band Edge / Full RB



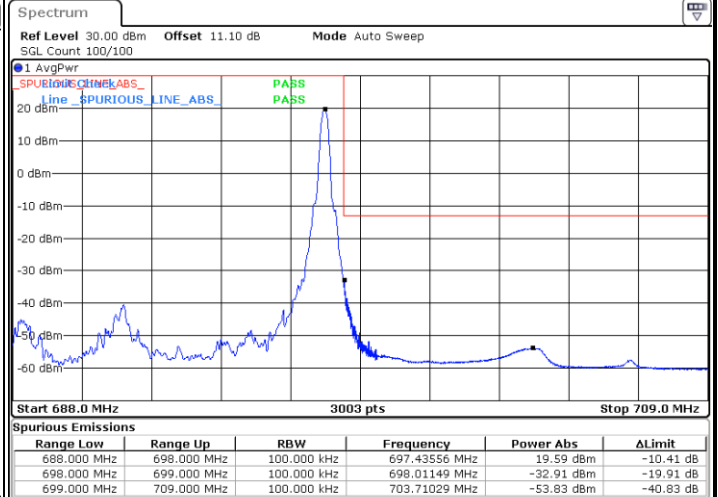


LTE Band 71 / 10MHz / QPSK

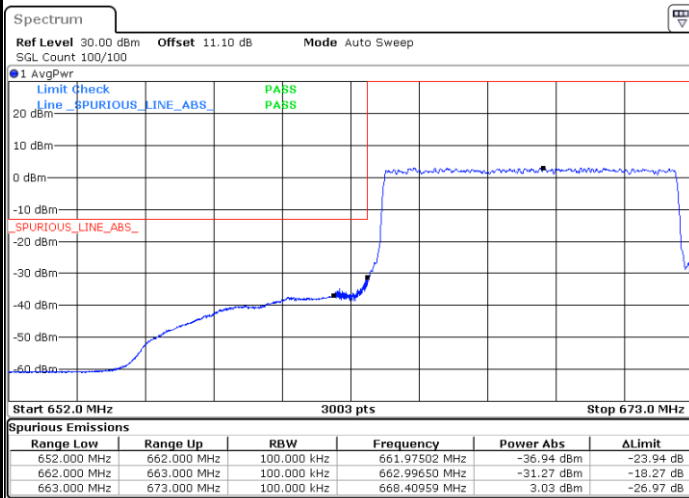
Lowest Band Edge / 1 RB



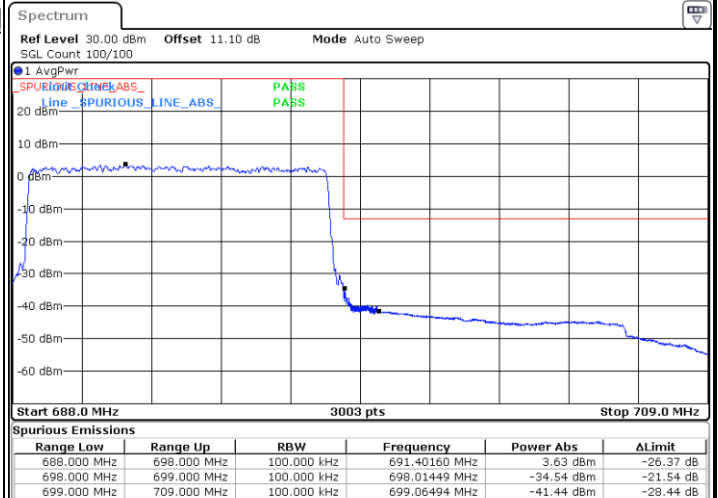
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



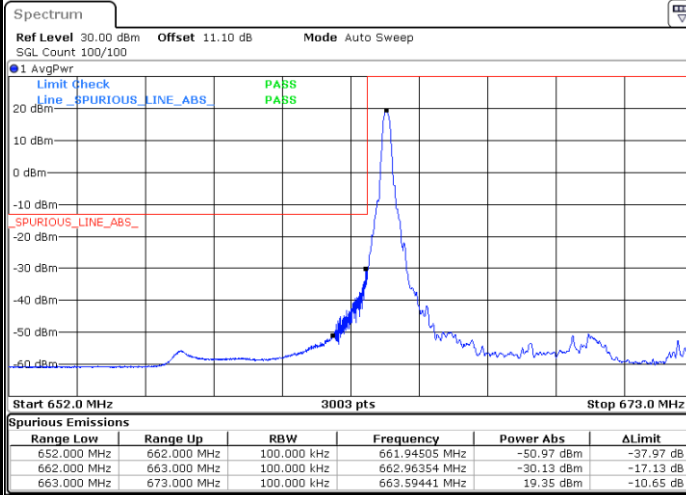
Highest Band Edge / Full RB



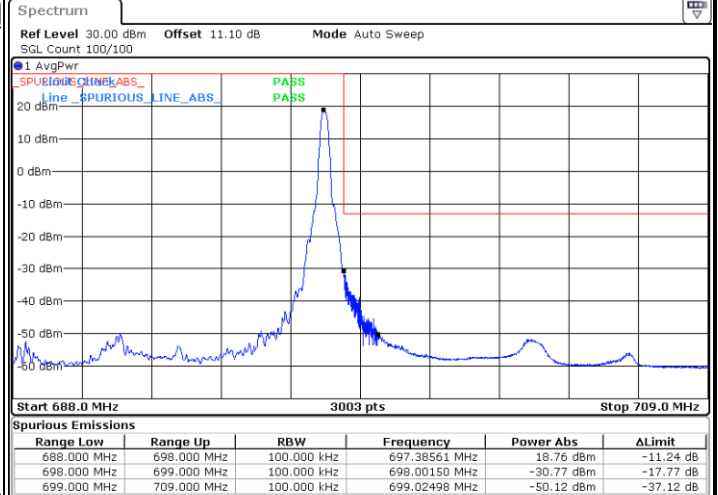


LTE Band 71 / 10MHz / 16QAM

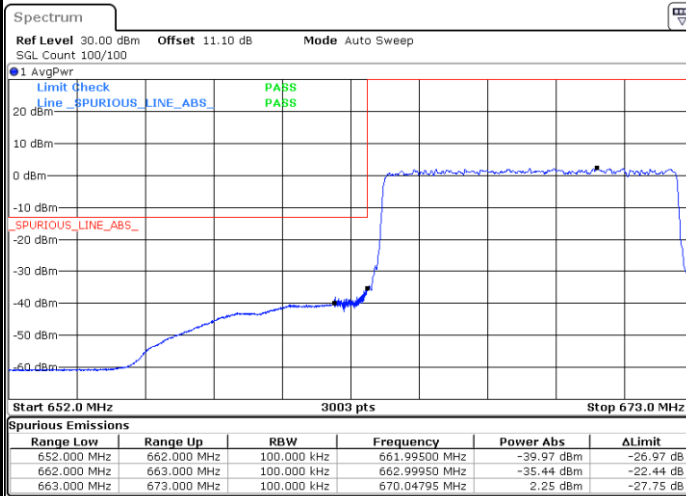
Lowest Band Edge / 1 RB



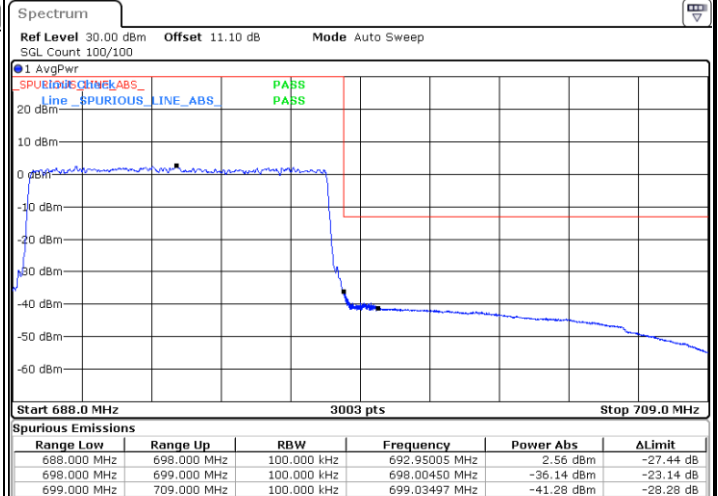
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



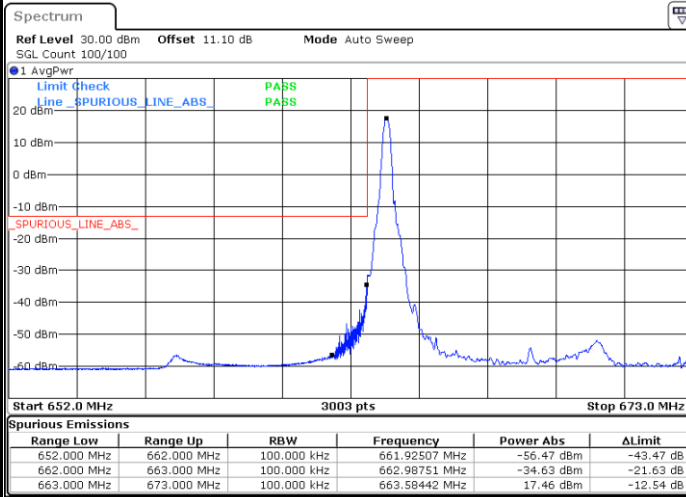
Highest Band Edge / Full RB



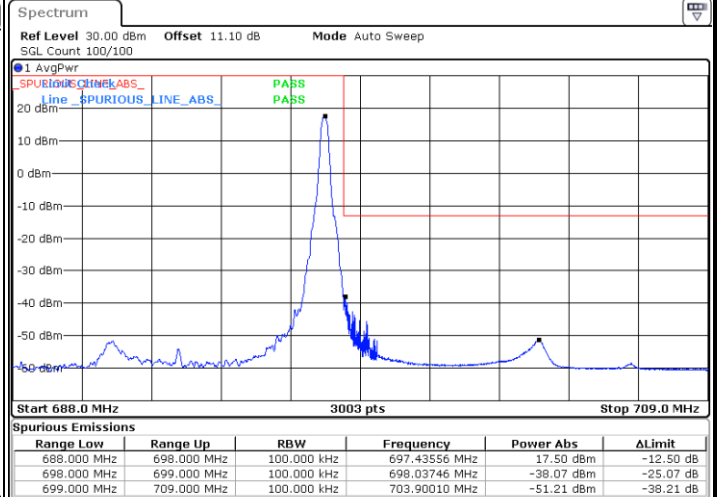


LTE Band 71 / 10MHz / 64QAM

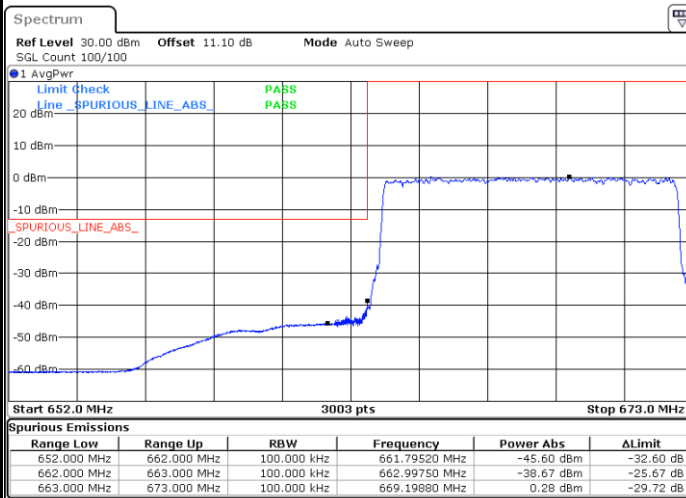
Lowest Band Edge / 1 RB



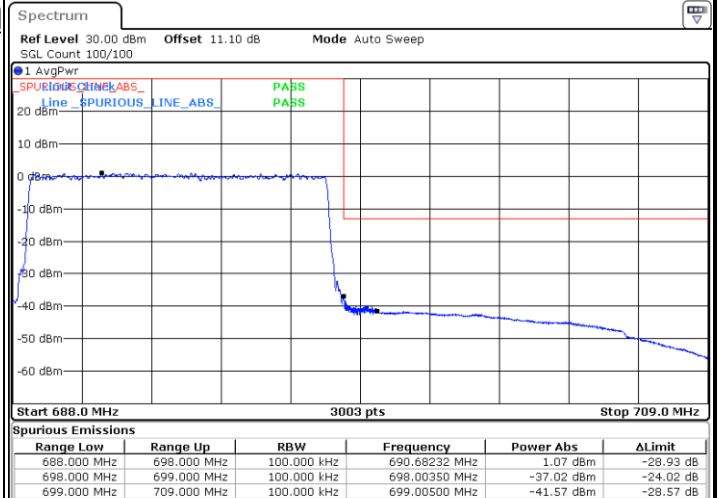
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



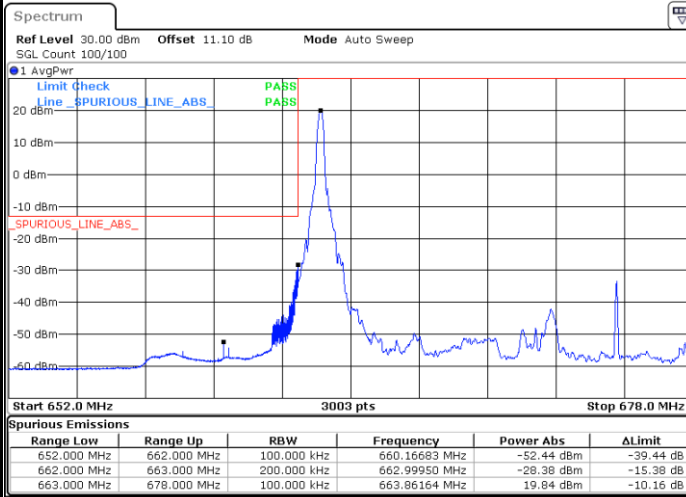
Highest Band Edge / Full RB



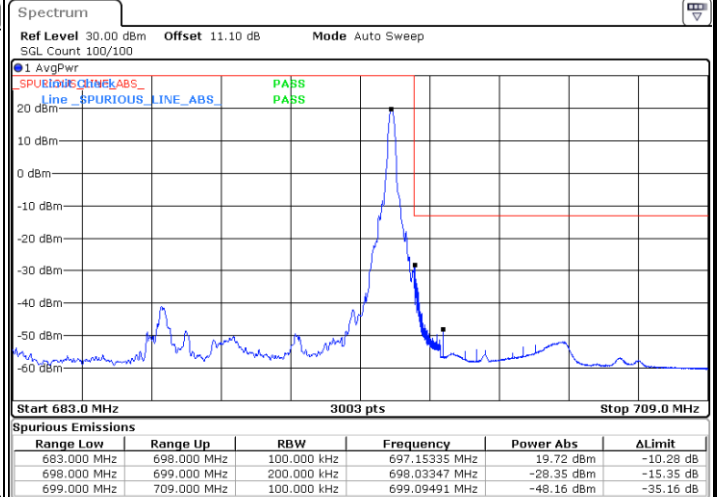


LTE Band 71 / 15MHz / QPSK

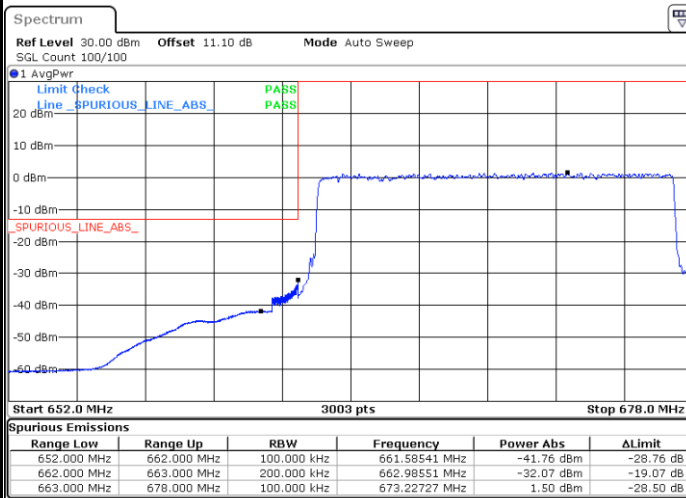
Lowest Band Edge / 1 RB



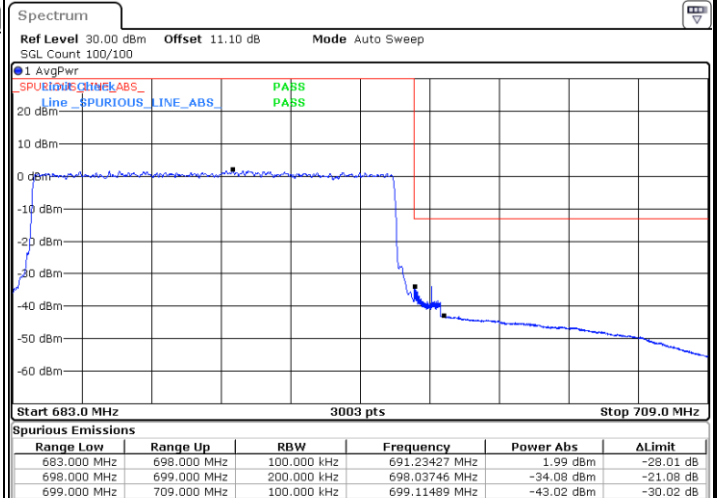
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



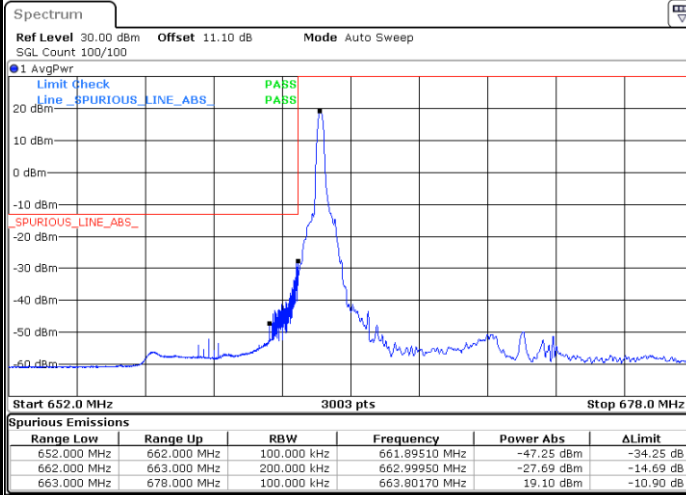
Highest Band Edge / Full RB



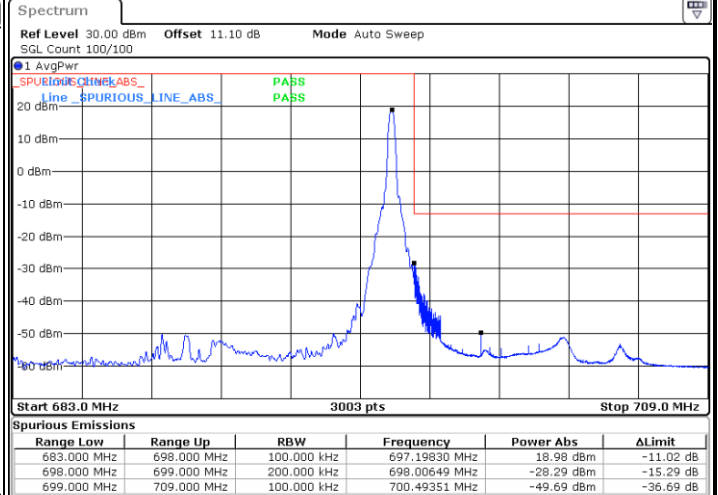


LTE Band 71 / 15MHz / 16QAM

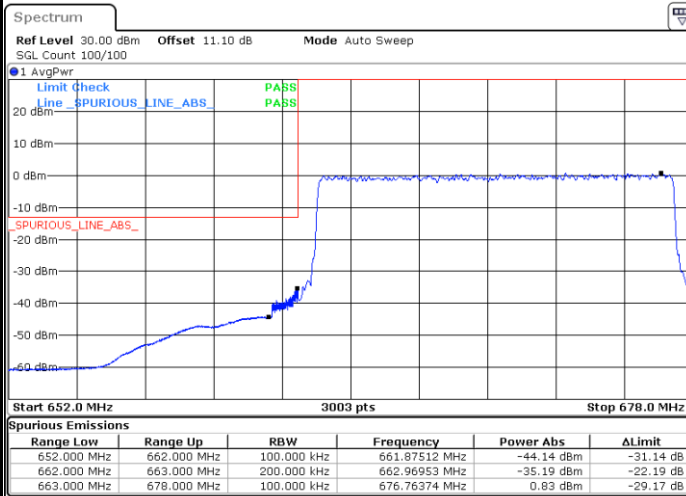
Lowest Band Edge / 1 RB



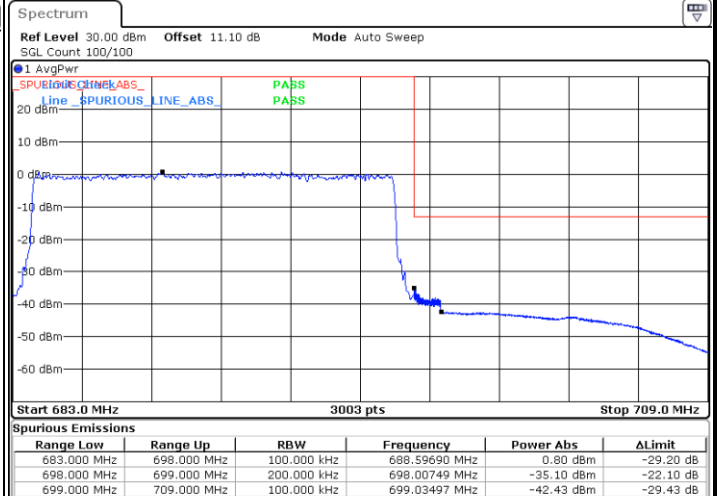
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



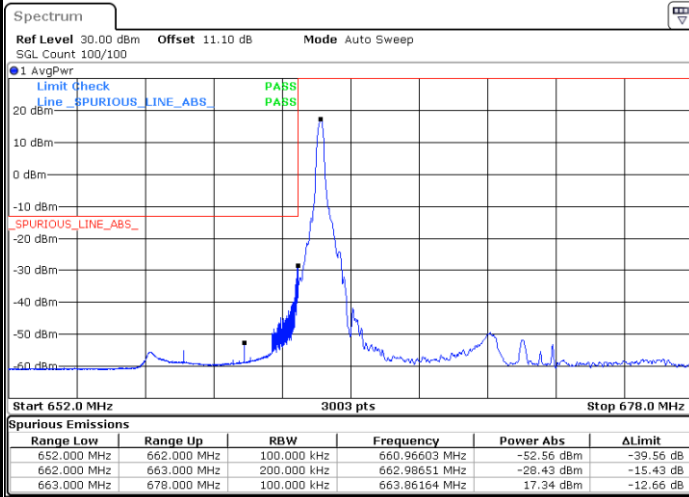
Highest Band Edge / Full RB



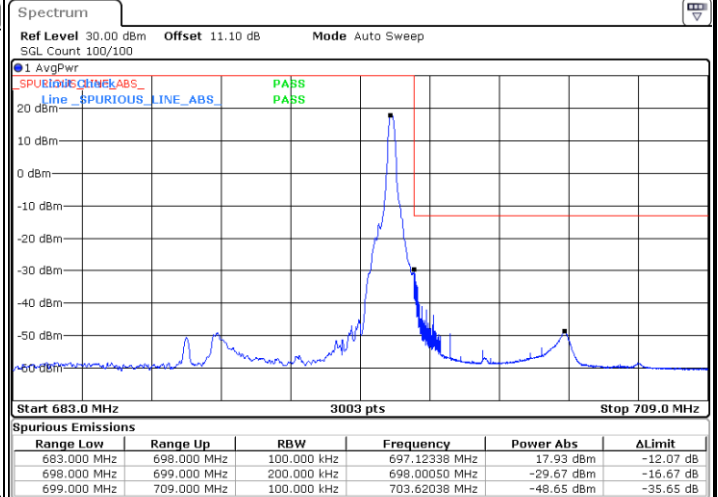


LTE Band 71 / 15MHz / 64QAM

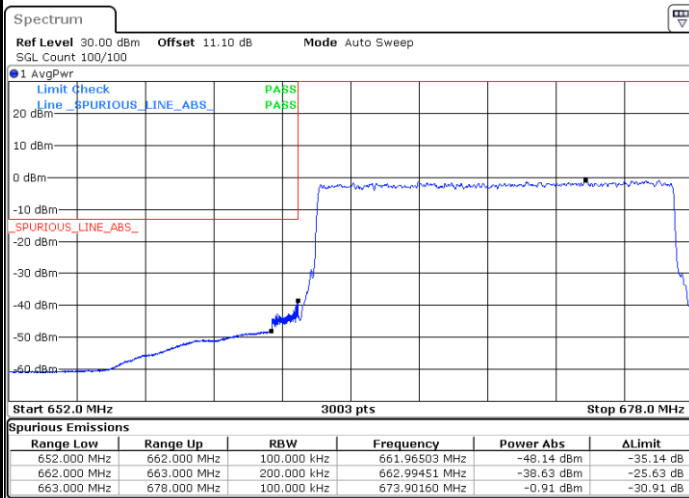
Lowest Band Edge / 1 RB



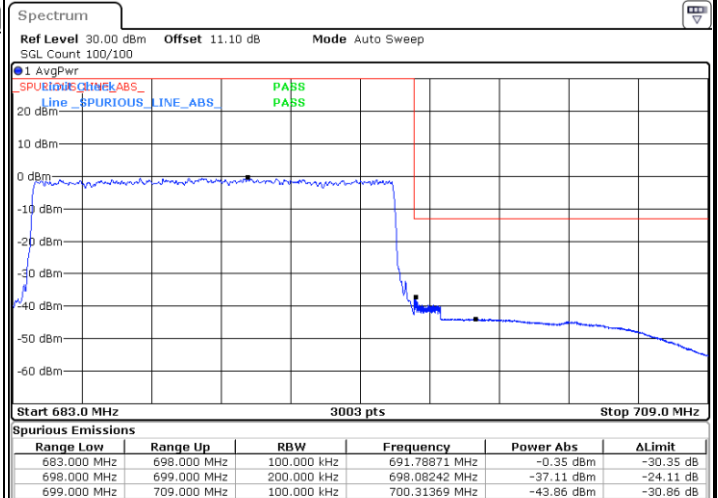
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



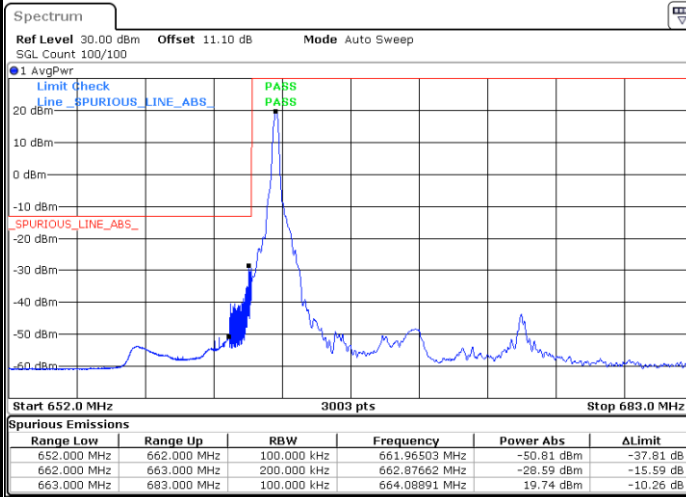
Highest Band Edge / Full RB



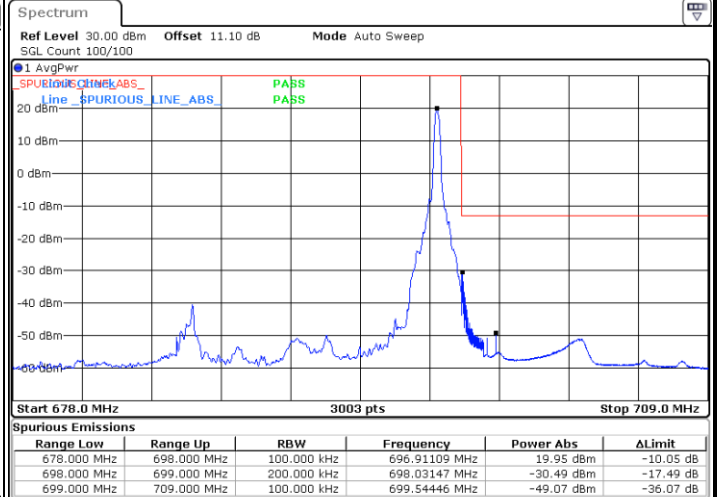


LTE Band 71 / 20MHz / QPSK

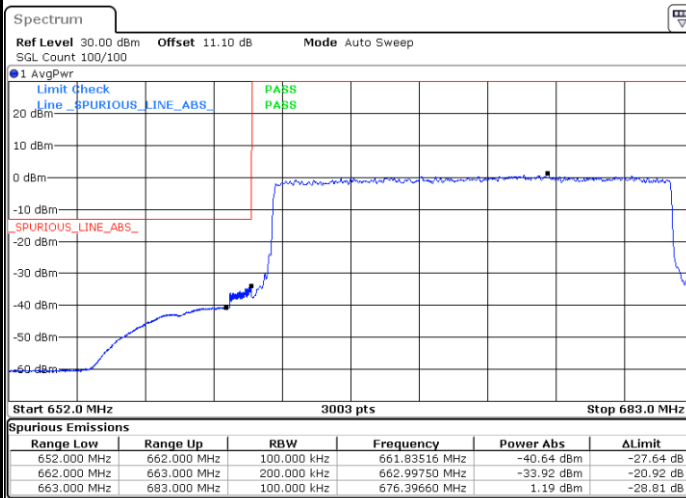
Lowest Band Edge / 1 RB



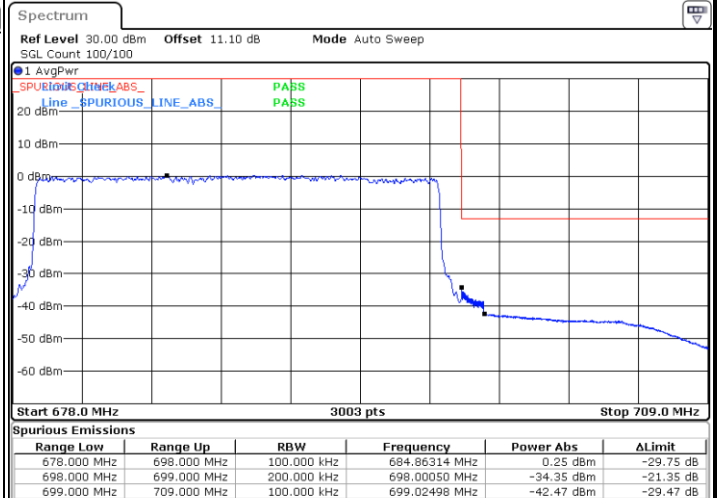
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



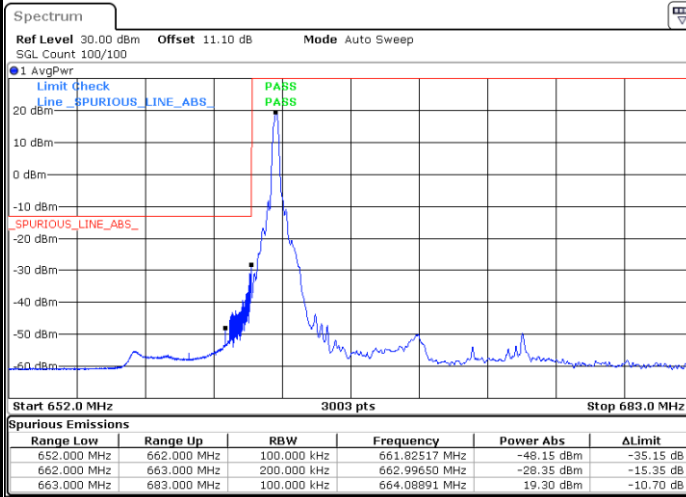
Highest Band Edge / Full RB



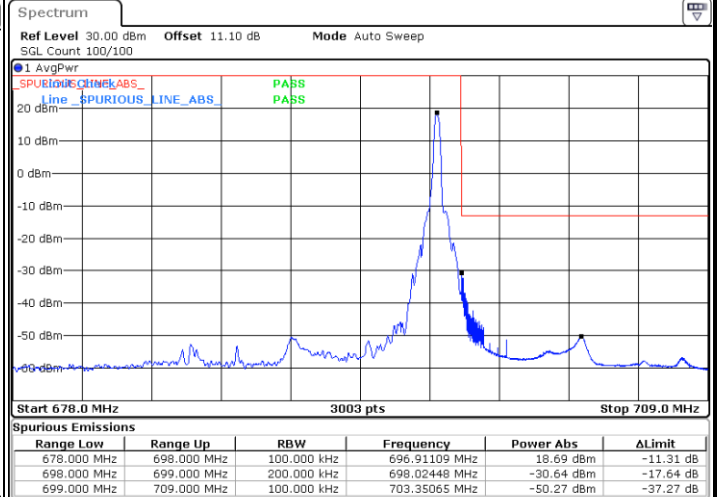


LTE Band 71 / 20MHz / 16QAM

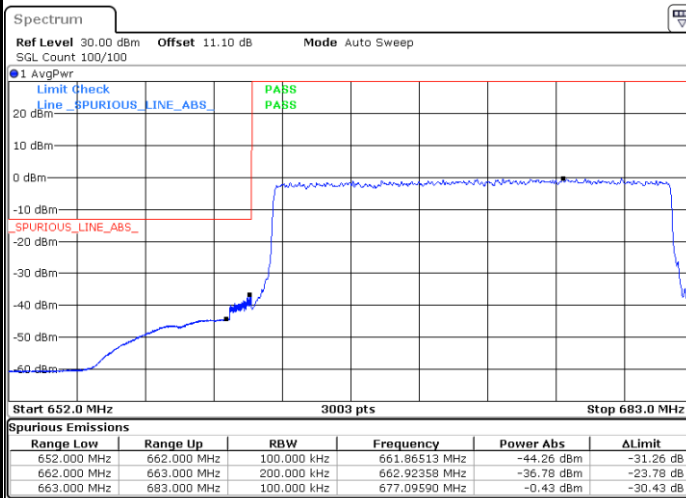
Lowest Band Edge / 1 RB



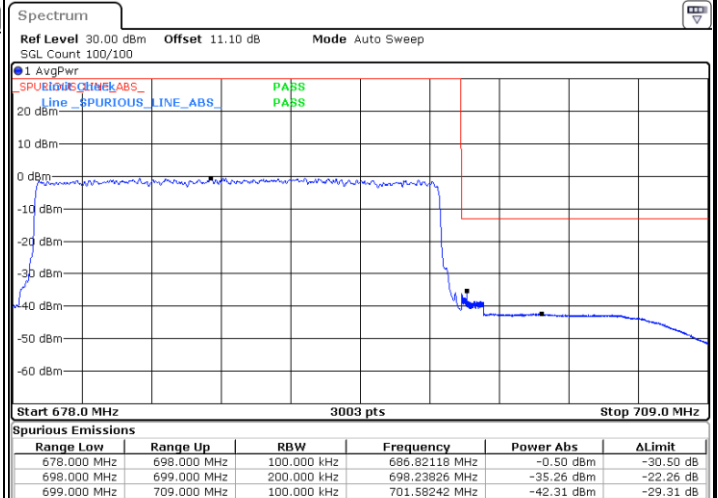
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



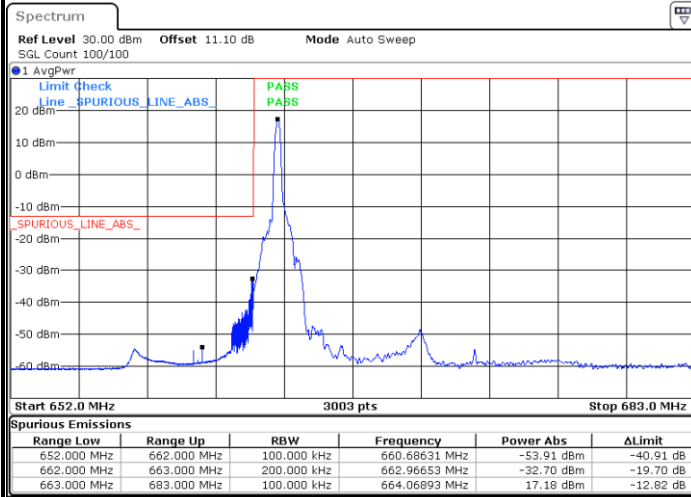
Highest Band Edge / Full RB



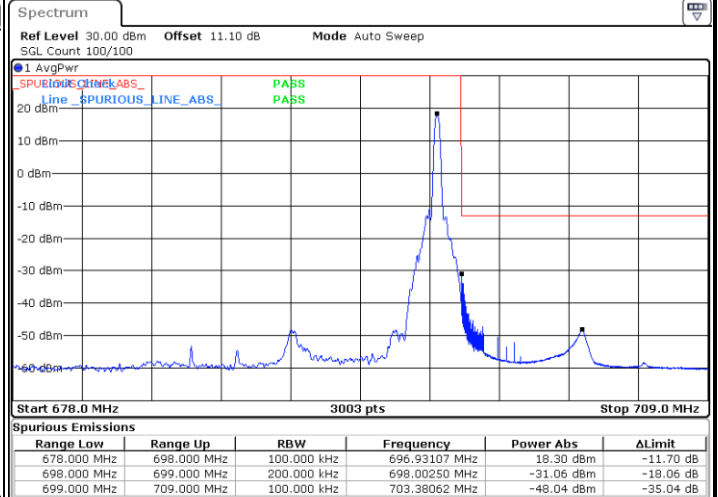


LTE Band 71 / 20MHz / 64QAM

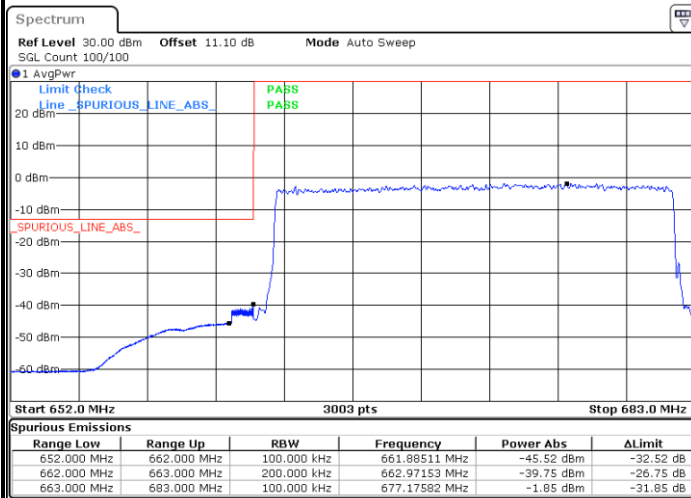
Lowest Band Edge / 1 RB



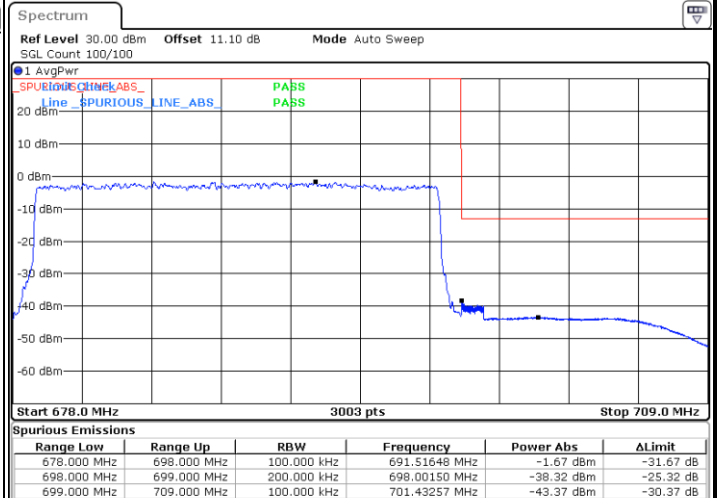
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

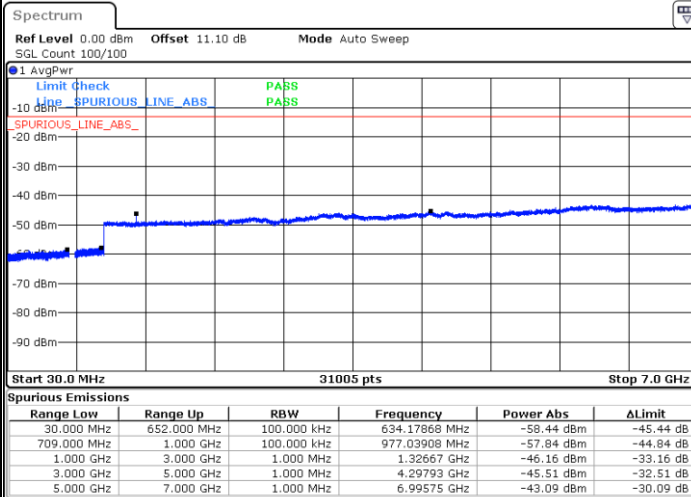




Conducted Spurious Emission

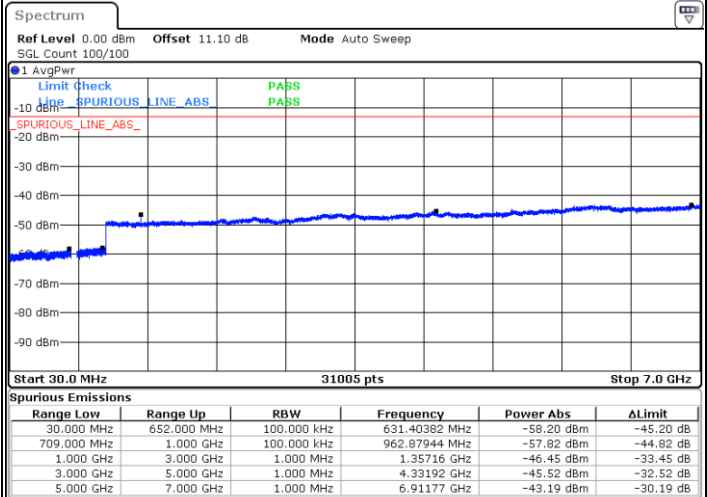
LTE Band 71 / 5MHz

Lowest Channel / QPSK



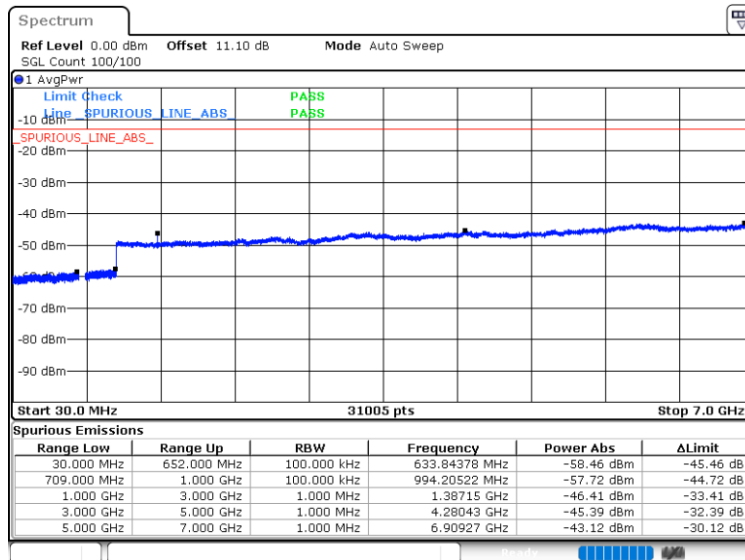
Date: 17.JAN.2021 10:20:49

Middle Channel / QPSK



Date: 17.JAN.2021 10:22:01

Highest Channel / QPSK

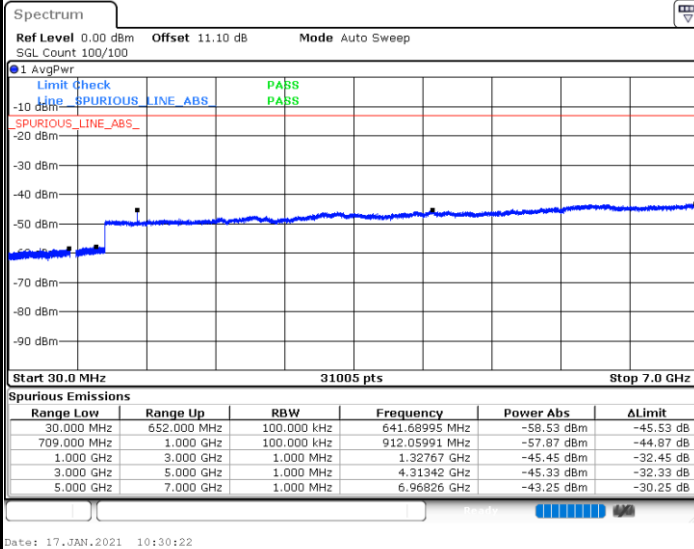


Date: 17.JAN.2021 10:24:54

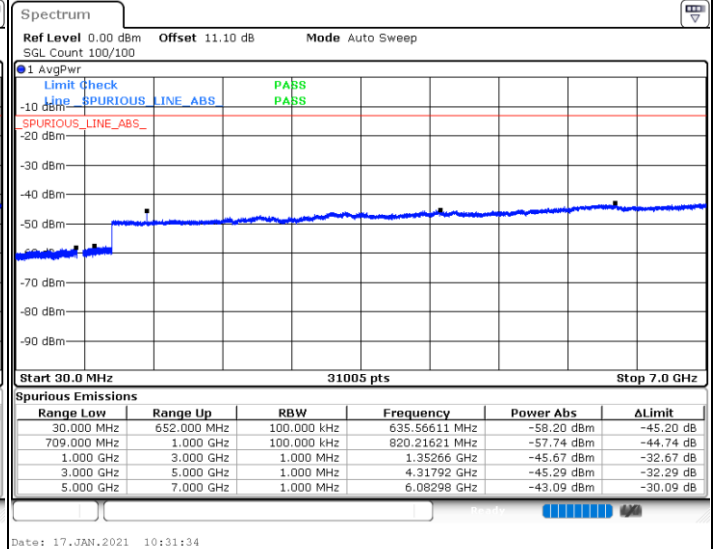


LTE Band 71 / 10MHz

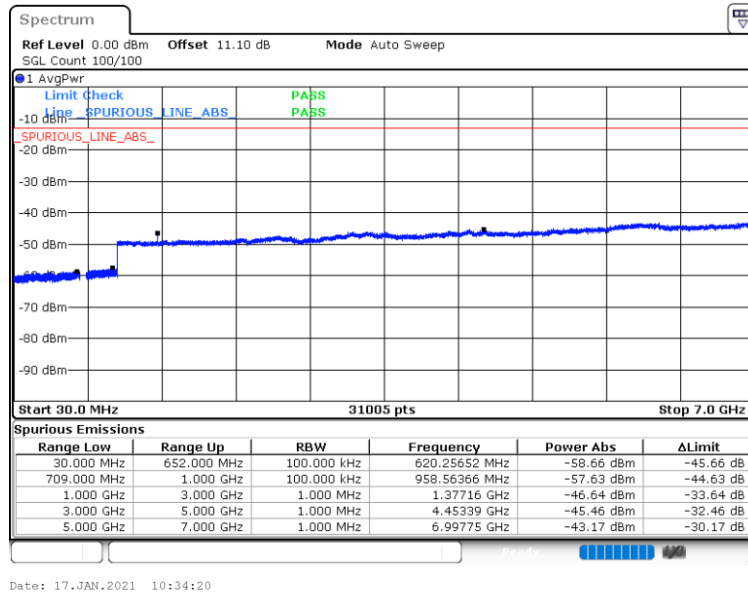
Lowest Channel / QPSK



Middle Channel / QPSK



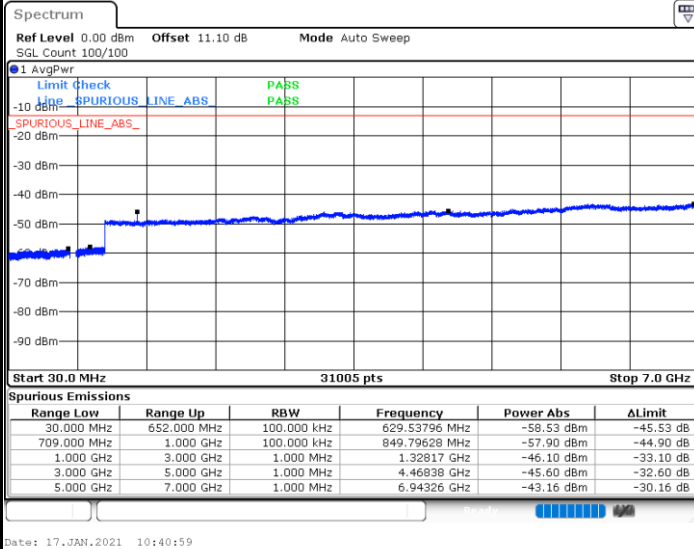
Highest Channel / QPSK



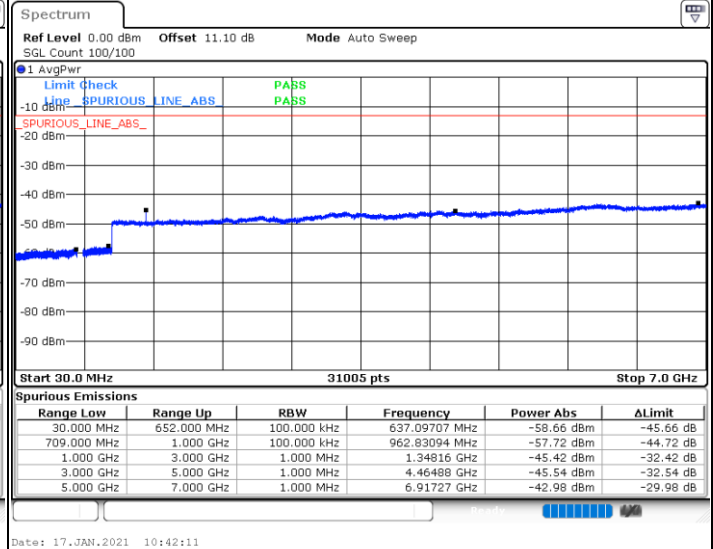


LTE Band 71 / 15MHz

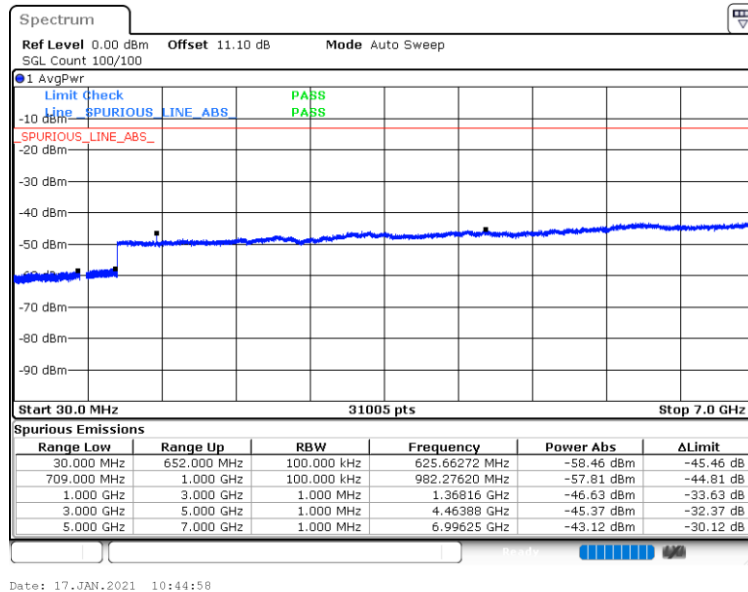
Lowest Channel / QPSK



Middle Channel / QPSK



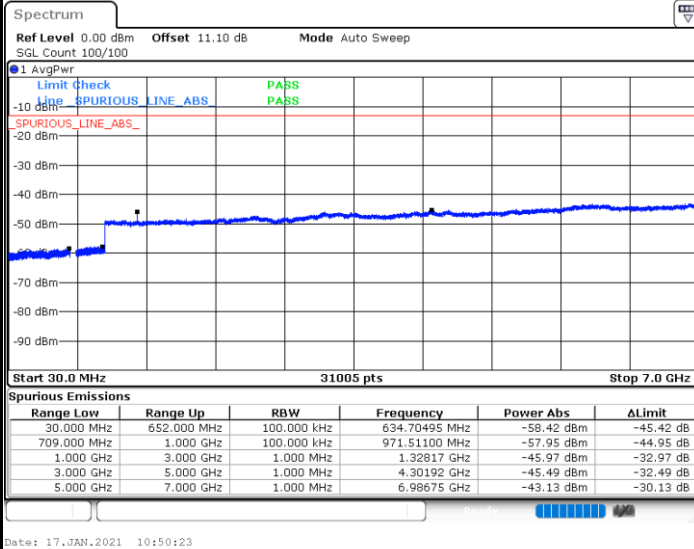
Highest Channel / QPSK



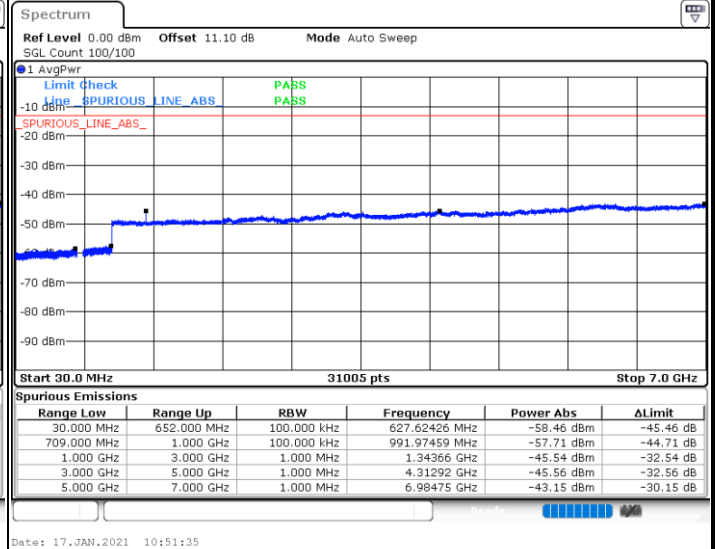


LTE Band 71 / 20MHz

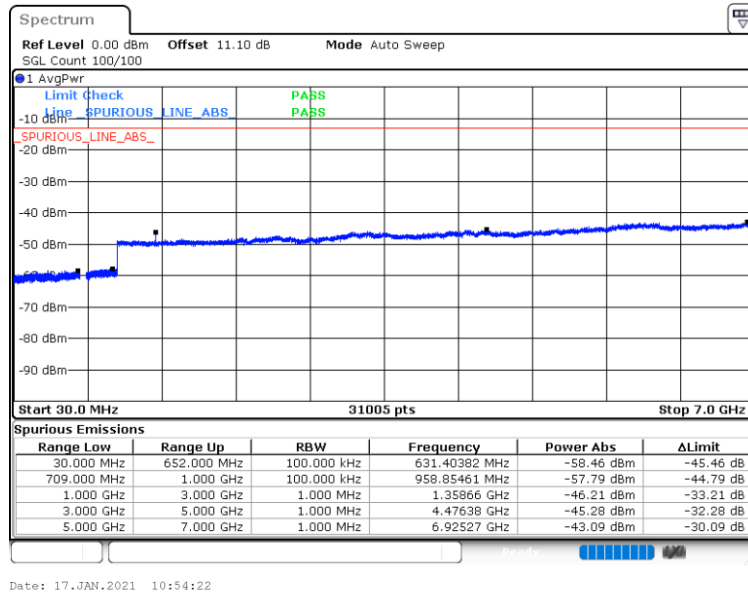
Lowest Channel / QPSK



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
50	Normal Voltage	0.0120	PASS
40	Normal Voltage	0.0113	
30	Normal Voltage	0.0248	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0056	
0	Normal Voltage	0.0140	
-10	Normal Voltage	0.0166	
-20	Normal Voltage	0.0087	
-30	Normal Voltage	0.0285	
20	Maximum Voltage	0.0106	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0223	

Note:

1. Normal Voltage =48 V. ; Battery End Point (BEP) =43 V. ; Maximum Voltage =53 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Ant. 0>

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	1649	-63.74	-13	-50.74	-72.16	-69.34	0.92	8.67	H
	2474	-59.46	-13	-46.46	-72.93	-66.83	1.14	10.66	H
	3298	-58.14	-13	-45.14	-73.46	-66.68	1.32	12.02	H
	4123	-52.27	-13	-39.27	-70.91	-61.43	1.47	12.78	H
									H
									H
	1649	-64.12	-13	-51.12	-72.01	-69.72	0.92	8.67	V
	2474	-59.41	-13	-46.41	-73.03	-66.78	1.14	10.66	V
	3298	-57.74	-13	-44.74	-73.53	-66.28	1.32	12.02	V
	4123	-52.14	-13	-39.14	-70.83	-61.30	1.47	12.78	V
									V
									V
Middle	1664	-62.29	-13	-49.29	-70.75	-67.94	0.93	8.72	H
	2496	-59.88	-13	-46.88	-73.39	-67.28	1.15	10.69	H
	3328	-57.89	-13	-44.89	-73.14	-66.50	1.33	12.09	H
									H
									H
									H
	1664	-64.01	-13	-51.01	-71.88	-69.66	0.93	8.72	V
	2496	-59.44	-13	-46.44	-73.16	-66.84	1.15	10.69	V
	3328	-57.48	-13	-44.48	-73.19	-66.09	1.33	12.09	V
									V
									V
									V



Highest	1679	-62.88	-13	-49.88	-71.39	-68.58	0.93	8.78	H
	2519	-59.65	-13	-46.65	-73.16	-67.07	1.15	10.72	H
	3358	-58.18	-13	-45.18	-73.37	-66.85	1.33	12.16	H
	4198	-51.96	-13	-38.96	-70.7	-61.11	1.46	12.76	H
									H
									H
	1679	-63.89	-13	-50.89	-71.75	-69.59	0.93	8.78	V
	2519	-59.33	-13	-46.33	-73.01	-66.75	1.15	10.72	V
	3358	-57.63	-13	-44.63	-73.27	-66.30	1.33	12.16	V
	4198	-53.18	-13	-40.18	-72.07	-62.33	1.46	12.76	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	1650	-63.92	-13	-50.92	-72.35	-69.52	0.92	8.67	H
	2475	-59.54	-13	-46.54	-73.01	-66.91	1.14	10.67	H
	3299	-58.35	-13	-45.35	-73.67	-66.89	1.32	12.02	H
	4124	-50.66	-13	-37.66	-69.3	-59.82	1.47	12.78	H
									H
									H
	1650	-64.18	-13	-51.18	-72.07	-69.78	0.92	8.67	V
	2475	-59.30	-13	-46.30	-72.93	-66.67	1.14	10.67	V
	3299	-57.61	-13	-44.61	-73.4	-66.15	1.32	12.02	V
	4124	-52.06	-13	-39.06	-70.75	-61.22	1.47	12.78	V
									V
									V
Middle	1660	-63.33	-13	-50.33	-71.78	-68.96	0.92	8.71	H
	2490	-59.61	-13	-46.61	-73.11	-67.00	1.15	10.69	H
	3319	-57.91	-13	-44.91	-73.19	-66.50	1.33	12.07	H
	4149	-52.04	-13	-39.04	-70.71	-61.19	1.47	12.77	H
									H
									H
	1660	-64.19	-13	-51.19	-72.06	-69.82	0.92	8.71	V
	2490	-59.15	-13	-46.15	-72.84	-66.54	1.15	10.69	V
	3319	-57.27	-13	-44.27	-73.01	-65.86	1.33	12.07	V
	4149	-53.54	-13	-40.54	-72.3	-62.69	1.47	12.77	V
									V
									V



Highest	1670	-63.21	-13	-50.21	-71.69	-68.88	0.93	8.75	H
	2505	-59.29	-13	-46.29	-72.81	-66.69	1.15	10.71	H
	3339	-58.23	-13	-45.23	-73.46	-66.86	1.33	12.11	H
	4174	-52.16	-13	-39.16	-70.87	-61.31	1.46	12.77	H
									H
									H
	1670	-63.89	-13	-50.89	-71.75	-69.56	0.93	8.75	V
	2505	-59.58	-13	-46.58	-73.3	-66.98	1.15	10.71	V
	3339	-57.41	-13	-44.41	-73.1	-66.04	1.33	12.11	V
	4174	-53.69	-13	-40.69	-72.51	-62.84	1.46	12.77	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	-52.98	-13	-39.98	-70.91	-64.19	1.41	12.62	H
	5555	-52.10	-13	-39.10	-75.26	-63.66	1.74	13.30	H
	7403	-48.08	-13	-35.08	-74.89	-57.40	1.94	11.26	H
									H
									H
	3700	-51.67	-13	-38.67	-69.75	-62.88	1.41	12.62	V
	5555	-52.19	-13	-39.19	-74.88	-63.75	1.74	13.30	V
	7403	-48.03	-13	-35.03	-74.69	-57.35	1.94	11.26	V
									V
									V
Middle	3742	-56.25	-13	-43.25	-74.36	-67.47	1.42	12.65	H
	5613	-52.26	-13	-39.26	-75.34	-63.82	1.74	13.30	H
	7484	-48.08	-13	-35.08	-74.52	-57.22	1.98	11.13	H
									H
									H
	3742	-55.62	-13	-42.62	-73.93	-66.84	1.42	12.65	V
	5613	-52.58	-13	-39.58	-75.32	-64.14	1.74	13.30	V
	7484	-47.91	-13	-34.91	-74.3	-57.05	1.98	11.13	V
									V
									V



Highest	3792	-52.61	-13	-39.61	-70.94	-63.85	1.44	12.68	H
	5688	-51.77	-13	-38.77	-75.24	-63.34	1.73	13.30	H
	7584	-48.78	-13	-35.78	-74.7	-57.90	2.00	11.12	H
									H
									H
	3792	-52.58	-13	-39.58	-71.17	-63.82	1.44	12.68	V
	5688	-52.55	-13	-39.55	-75.49	-64.12	1.73	13.30	V
	7584	-48.85	-13	-35.85	-74.73	-57.97	2.00	11.12	V
									V
									V

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

**LTE Band 4**

LTE Band 4 / 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	-54.98	-13	-41.98	-70.92	-65.95	1.35	12.31	H
	5133	-54.19	-13	-41.19	-76.14	-65.33	1.64	12.79	H
	6844	-49.83	-13	-36.83	-75.2	-60.21	1.74	12.12	H
									H
									H
	3422	-57.11	-13	-44.11	-73.47	-68.08	1.35	12.31	V
	5133	-54.17	-13	-41.17	-75.87	-65.31	1.64	12.79	V
	6844	-49.93	-13	-36.93	-74.91	-60.31	1.74	12.12	V
									V
									V
Middle	3447	-57.61	-13	-44.61	-73.8	-68.63	1.35	12.37	H
	5171	-54.08	-13	-41.08	-76.03	-65.26	1.65	12.84	H
	6894	-49.32	-13	-36.32	-74.95	-59.63	1.73	12.05	H
									H
									H
	3447	-57.22	-13	-44.22	-73.8	-68.24	1.35	12.37	V
	5171	-53.75	-13	-40.75	-75.5	-64.93	1.65	12.84	V
	6894	-49.83	-13	-36.83	-75.03	-60.14	1.73	12.05	V
									V
									V



Highest	3472	-57.25	-13	-44.25	-73.67	-68.33	1.35	12.43	H
	5208	-53.71	-13	-40.71	-75.67	-64.94	1.66	12.89	H
	6944	-49.03	-13	-36.03	-74.91	-59.28	1.73	11.98	H
									H
									H
	3472	-57.06	-13	-44.06	-73.86	-68.14	1.35	12.43	V
	5208	-54.27	-13	-41.27	-76.06	-65.50	1.66	12.89	V
	6944	-49.42	-13	-36.42	-74.84	-59.67	1.73	11.98	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	-47.94	-13	-34.94	-69.96	-58.93	1.61	12.60	H
	7503	-48.24	-13	-35.24	-74.59	-57.35	1.99	11.10	H
	10004	-45.11	-13	-32.11	-74.67	-54.01	2.40	11.30	H
									H
									H
	5002	-49.80	-13	-36.80	-71.37	-60.79	1.61	12.60	V
	7503	-48.08	-13	-35.08	-74.4	-57.19	1.99	11.10	V
	10004	-44.15	-13	-31.15	-74.5	-53.05	2.40	11.30	V
									V
									V
Middle	5052	-48.35	-13	-35.35	-70.35	-59.40	1.62	12.67	H
	7578	-48.74	-13	-35.74	-74.7	-57.85	2.00	11.12	H
	10104	-45.22	-13	-32.22	-75.03	-54.04	2.40	11.22	H
									H
									H
	5052	-50.38	-13	-37.38	-72.01	-61.43	1.62	12.67	V
	7578	-48.82	-13	-35.82	-74.74	-57.93	2.00	11.12	V
	10104	-43.56	-13	-30.56	-73.95	-52.38	2.40	11.22	V
									V
									V



Highest	5102	-52.13	-13	-39.13	-74.1	-63.24	1.64	12.74	H
	7653	-48.73	-13	-35.73	-74.6	-57.85	2.01	11.13	H
	10204	-44.61	-13	-31.61	-74.68	-53.35	2.40	11.14	H
									H
									H
	5102	-53.35	-13	-40.35	-75.02	-64.46	1.64	12.74	V
	7653	-48.68	-13	-35.68	-74.43	-57.80	2.01	11.13	V
	10204	-43.80	-13	-30.80	-74.22	-52.54	2.40	11.14	V
									V
									V

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

**LTE Band 38**

LTE Band 38 / 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	5142	-52.45	-13	-39.45	-74.41	-63.60	1.65	12.80	H
	7713	-47.60	-13	-34.60	-73.5	-56.72	2.02	11.14	H
	10284	-43.77	-13	-30.77	-74.04	-52.45	2.39	11.07	H
									H
									H
									H
									H
	5142	-52.52	-13	-39.52	-74.23	-63.67	1.65	12.80	V
	7713	-47.74	-13	-34.74	-73.45	-56.86	2.02	11.14	V
	10284	-43.65	-13	-30.65	-74.1	-52.33	2.39	11.07	V
									V
									V
									V
									V
Middle	5172	-52.19	-13	-39.19	-74.14	-63.38	1.65	12.84	H
	7758	-47.58	-13	-34.58	-73.49	-56.71	2.03	11.15	H
	10344	-43.39	-13	-30.39	-73.81	-52.02	2.39	11.02	H
									H
									H
									H
									H
	5172	-52.57	-13	-39.57	-74.32	-63.76	1.65	12.84	V
	7758	-47.88	-13	-34.88	-73.54	-57.01	2.03	11.15	V
	10344	-43.33	-13	-30.33	-73.8	-51.96	2.39	11.02	V
									V
									V
									V
									V



Highest	5202	-52.77	-13	-39.77	-74.71	-63.99	1.66	12.88	H
	7803	-47.47	-13	-34.47	-73.42	-56.60	2.03	11.16	H
	10404	-42.95	-13	-29.95	-73.54	-51.53	2.39	10.98	H
									H
									H
									H
									H
	5202	-52.69	-13	-39.69	-74.46	-63.91	1.66	12.88	V
	7803	-48.13	-13	-35.13	-73.78	-57.26	2.03	11.16	V
	10404	-43.02	-13	-30.02	-73.53	-51.60	2.39	10.98	V
									V
									V
									V
									V
									V
									V

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

**LTE Band 41(HPUE)**

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	4992	-50.78	-13	-37.78	-72.78	-61.77	1.61	12.60	H
	7494	-47.95	-13	-34.95	-74.34	-57.07	1.99	11.11	H
	9990	-44.92	-13	-31.92	-74.5	-53.83	2.40	11.30	H
									H
									H
	4992	-48.19	-13	-35.19	-69.73	-59.18	1.61	12.60	V
	7494	-47.80	-13	-34.80	-74.15	-56.92	1.99	11.11	V
	9990	-44.42	-13	-31.42	-74.77	-53.33	2.40	11.30	V
									V
									V
Middle	5166	-50.30	-13	-37.30	-72.25	-61.48	1.65	12.83	H
	7752	-47.53	-13	-34.53	-73.44	-56.66	2.03	11.15	H
	10332	-43.66	-13	-30.66	-74.05	-52.30	2.39	11.03	H
									H
									H
	5166	-48.77	-13	-35.77	-70.51	-59.95	1.65	12.83	V
	7752	-47.93	-13	-34.93	-73.6	-57.06	2.03	11.15	V
	10332	-44.02	-13	-31.02	-74.49	-52.66	2.39	11.03	V
									V
									V



Highest	5340	-52.72	-13	-39.72	-75.14	-64.10	1.70	13.08	H
	8016	-46.89	-13	-33.89	-74.05	-56.06	2.06	11.23	H
	10683	-43.34	-13	-30.34	-74.2	-51.75	2.49	10.90	H
									H
									H
	5340	-51.91	-13	-38.91	-73.99	-63.29	1.70	13.08	V
	8016	-46.81	-13	-33.81	-73.86	-55.98	2.06	11.23	V
	10683	-43.64	-13	-30.64	-74.26	-52.05	2.49	10.90	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	1400	-57.64	-13	-44.64	-67.09	-62.29	0.84	7.64	H
	2098	-58.26	-13	-45.26	-70.90	-65.19	1.06	10.14	H
	2798	-58.29	-13	-45.29	-72.58	-65.98	1.22	11.06	H
	3497	-57.64	-13	-44.64	-73.68	-66.62	1.36	12.49	H
	4197	-50.38	-13	-37.38	-69.12	-59.53	1.46	12.76	H
									H
									H
	1400	-60.58	-13	-47.58	-68.80	-65.23	0.84	7.64	V
	2098	-59.96	-13	-46.96	-71.49	-66.89	1.06	10.14	V
	2798	-57.96	-13	-44.96	-72.19	-65.65	1.22	11.06	V
	3497	-57.46	-13	-44.46	-73.86	-66.44	1.36	12.49	V
	4197	-54.07	-13	-41.07	-72.95	-63.22	1.46	12.76	V
									V
									V
Middle	1406	-60.61	-13	-47.61	-70.03	-65.28	0.85	7.67	H
	2109	-57.06	-13	-44.06	-69.90	-64.00	1.06	10.15	H
	2812	-58.36	-13	-45.36	-72.71	-66.06	1.22	11.07	H
	3515	-57.62	-13	-44.62	-73.82	-66.62	1.36	12.51	H
	4218	-52.98	-13	-39.98	-71.82	-62.13	1.46	12.76	H
									H
									H
	1406	-62.15	-13	-49.15	-70.35	-66.82	0.85	7.67	V
	2109	-59.60	-13	-46.60	-71.33	-66.54	1.06	10.15	V
	2812	-58.55	-13	-45.55	-72.85	-66.25	1.22	11.07	V
	3515	-57.19	-13	-44.19	-73.70	-66.19	1.36	12.51	V
	4218	-55.01	-13	-42.01	-73.96	-64.16	1.46	12.76	V
									V
									V



Highest	1413	-59.68	-13	-46.68	-69.09	-64.38	0.85	7.70	H
	2119	-57.68	-13	-44.68	-70.70	-64.63	1.07	10.17	H
	2826	-58.38	-13	-45.38	-72.79	-66.09	1.23	11.09	H
									H
									H
	1413	-60.85	-13	-47.85	-69.04	-65.55	0.85	7.70	V
	2119	-60.16	-13	-47.16	-72.05	-67.11	1.07	10.17	V
	2826	-58.54	-13	-45.54	-72.92	-66.25	1.23	11.09	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	1554	-61.37	-13	-48.37	-70.00	-66.64	0.89	8.31	H
	2332	-59.08	-13	-46.08	-72.83	-66.28	1.11	10.46	H
	3109	-57.89	-13	-44.89	-73.26	-66.01	1.29	11.56	H
									H
									H
	1554	-61.36	-13	-48.36	-69.30	-66.63	0.89	8.31	V
	2332	-59.25	-13	-46.25	-72.55	-66.45	1.11	10.46	V
	3109	-57.47	-13	-44.47	-73.18	-65.59	1.29	11.56	V
									V
									V
Middle	1559	-59.03	-42.15	-16.88	-67.63	-64.31	0.89	8.32	H
	2339	-58.94	-13	-45.94	-72.65	-66.15	1.11	10.47	H
	3119	-57.80	-13	-44.80	-73.20	-65.94	1.29	11.59	H
									H
									H
	1559	-58.19	-42.15	-16.04	-66.14	-63.47	0.89	8.32	V
	2339	-59.46	-13	-46.46	-72.76	-66.67	1.11	10.47	V
	3119	-57.50	-13	-44.50	-73.26	-65.64	1.29	11.59	V
									V
									V



Highest	1564	-62.78	-42.15	-20.63	-71.34	-68.08	0.89	8.34	H
	2347	-59.04	-13	-46.04	-72.71	-66.26	1.12	10.49	H
	3129	-57.55	-13	-44.55	-72.97	-65.72	1.29	11.61	H
	3911	-56.35	-13	-43.35	-74.53	-65.48	1.47	12.75	H
	4694	-54.03	-13	-41.03	-74.93	-63.05	1.49	12.66	H
									H
									H
	1564	-63.53	-42.15	-21.38	-71.47	-68.83	0.89	8.34	V
	2347	-59.41	-13	-46.41	-72.72	-66.63	1.12	10.49	V
	3129	-57.49	-13	-44.49	-73.28	-65.66	1.29	11.61	V
	3911	-53.23	-13	-40.23	-71.47	-62.36	1.47	12.75	V
	4694	-52.71	-13	-39.71	-72.89	-61.73	1.49	12.66	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	-61.21	-13	-48.21	-69.83	-66.48	0.89	8.31	H
	2332	-59.14	-13	-46.14	-72.89	-66.34	1.11	10.46	H
	3110	-57.85	-13	-44.85	-73.22	-65.97	1.29	11.56	H
									H
									H
	1555	-60.37	-13	-47.37	-68.31	-65.64	0.89	8.31	V
	2332	-59.41	-13	-46.41	-72.71	-66.61	1.11	10.46	V
	3110	-57.52	-13	-44.52	-73.24	-65.64	1.29	11.56	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	-46.43	-13	-33.43	-55.49	-52.91	0.83	7.31	H
	1992	-59.23	-13	-46.23	70.04	-68.16	1.04	9.97	H
	2656	-59.42	-13	-46.42	-73.14	-69.12	1.19	10.89	H
	3320	-58.08	-13	-45.08	-73.35	-68.82	1.33	12.07	H
	3984	-54.38	-13	-41.38	-72.77	-65.68	1.49	12.79	H
									H
									H
	1328	-50.11	-13	-37.11	-58.33	-56.59	0.83	7.31	V
	1992	-61.07	-13	-48.07	-70.91	-70.00	1.04	9.97	V
	2656	-59.40	-13	-46.40	-73.09	-69.10	1.19	10.89	V
	3320	-57.53	-13	-44.53	-73.26	-68.27	1.33	12.07	V
	3984	-52.61	-13	-39.61	-70.93	-63.91	1.49	12.79	V
									V
									V
Middle	1352	-50.13	-13	-37.13	-59.32	-56.72	0.83	7.42	H
	2022	-60.52	-13	-47.52	-71.8	-69.51	1.04	10.03	H
	2696	-59.20	-13	-46.20	-73.09	-68.94	1.20	10.94	H
									H
									H
	1352	-53.30	-13	-40.30	-61.53	-59.89	0.83	7.42	V
	2024	-61.82	-13	-48.82	-72.1	-70.81	1.05	10.03	V
	2696	-59.19	-13	-46.19	-73.03	-68.93	1.20	10.94	V
									V
									V



Highest	1358	-51.50	-13	-38.50	-60.72	-58.11	0.83	7.45	H
	2037	-60.58	-13	-47.58	-72.13	-69.58	1.05	10.05	H
	2716	-58.85	-13	-45.85	-72.81	-68.61	1.20	10.96	H
	3395	-58.38	-13	-45.38	-73.49	-69.29	1.34	12.25	H
	4074	-53.09	-13	-40.09	-71.64	-64.40	1.48	12.79	H
									H
									H
	1358	-54.16	-13	-41.16	-62.38	-60.77	0.83	7.45	V
	2037	-61.30	-13	-48.30	-71.83	-70.30	1.05	10.05	V
	2716	-58.92	-13	-45.92	-72.84	-68.68	1.20	10.96	V
	3395	-58.19	-13	-45.19	-73.73	-69.10	1.34	12.25	V
	4074	-54.33	-13	-41.33	-72.87	-65.64	1.48	12.79	V
									V
									V

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



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LTE Band 5B

LTE Band 5B / 10MHz+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	1666	-63.41	-13	-50.41	-71.88	-69.06	0.93	8.73	H
	2500	-59.69	-13	-46.69	-73.2	-67.09	1.15	10.70	H
	3333	-57.95	-13	-44.95	-73.2	-66.57	1.33	12.10	H
	4168	-53.40	-13	-40.40	-72.1	-62.55	1.46	12.77	H
									H
									H
	1666	-62.78	-13	-49.78	-70.65	-68.43	0.93	8.73	V
	2500	-59.45	-13	-46.45	-73.18	-66.85	1.15	10.70	V
	3333	-57.74	-13	-44.74	-73.45	-66.36	1.33	12.10	V
	4168	-51.71	-13	-38.71	-70.52	-60.86	1.46	12.77	V
									V
									V
Middle	1672	-63.08	-13	-50.08	-71.57	-68.76	0.93	8.75	H
	2508	-59.49	-13	-46.49	-73	-66.90	1.15	10.71	H
	3344	-58.15	-13	-45.15	-73.37	-66.79	1.33	12.13	H
	4184	-52.59	-13	-39.59	-71.3	-61.74	1.46	12.76	H
									H
									H
	1672	-62.15	-13	-49.15	-70.01	-67.83	0.93	8.75	V
	2508	-59.20	-13	-46.20	-72.91	-66.61	1.15	10.71	V
	3344	-57.59	-13	-44.59	-73.26	-66.23	1.33	12.13	V
	4184	-49.73	-13	-36.73	-68.57	-58.88	1.46	12.76	V
									V
									V



Highest	1677	-63.30	-13	-50.30	-71.8	-68.99	0.93	8.77	H
	2515	-59.34	-13	-46.34	-72.85	-66.75	1.15	10.72	H
	3354	-58.37	-13	-45.37	-73.56	-67.04	1.33	12.15	H
	4192	-52.19	-13	-39.19	-70.93	-61.34	1.46	12.76	H
									H
									H
	1677	-63.53	-13	-50.53	-71.39	-69.22	0.93	8.77	V
	2515	-59.50	-13	-46.50	-73.19	-66.91	1.15	10.72	V
	3354	-57.27	-13	-44.27	-72.91	-65.94	1.33	12.15	V
	4192	-49.32	-13	-36.32	-68.2	-58.47	1.46	12.76	V
									V
									V

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

**LTE Band 38C**

LTE Band 38C / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5177	-52.47	-13	-39.47	-74.41	-63.66	1.66	12.85	H
	7766	-47.19	-13	-34.19	-73.11	-56.32	2.03	11.15	H
	10355	-43.02	-13	-30.02	-73.47	-51.64	2.39	11.02	H
									H
									H
									H
									H
	5177	-52.74	-13	-39.74	-74.49	-63.93	1.66	12.85	V
	7766	-47.75	-13	-34.75	-73.41	-56.88	2.03	11.15	V
	10355	-42.86	-13	-29.86	-73.34	-51.48	2.39	11.02	V
									V
									V
									V
									V
Middle	5188	-52.75	-13	-39.75	-74.69	-63.95	1.66	12.86	H
	7782	-47.67	-13	-34.67	-73.59	-56.80	2.03	11.16	H
	10376	-43.31	-13	-30.31	-73.83	-51.92	2.39	11.00	H
									H
									H
									H
									H
	5188	-52.68	-13	-39.68	-74.44	-63.88	1.66	12.86	V
	7782	-48.24	-13	-35.24	-73.88	-57.37	2.03	11.16	V
	10376	-42.98	-13	-29.98	-73.48	-51.59	2.39	11.00	V
									V
									V
									V
									V



Highest	5198	-52.68	-13	-39.68	-74.61	-63.90	1.66	12.88	H
	7797	-48.21	-13	-35.21	-74.14	-57.34	2.03	11.16	H
	10396	-43.07	-13	-30.07	-74.64	-51.66	2.39	10.98	H
									H
									H
									H
									H
	5198	-52.64	-13	-39.64	-74.41	-63.86	1.66	12.88	V
	7797	-48.41	-13	-35.41	-74.04	-57.54	2.03	11.16	V
	10396	-43.01	-13	-30.01	-73.51	-51.60	2.39	10.98	V
									V
									V
									V
									V
									V
									V

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

**LTE Band 41C**

LTE Band 41C / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5029	-48.25	-13	-35.25	-70.25	-59.27	1.62	12.64	H
	7544	-48.10	-13	-35.10	-74.24	-57.21	2.00	11.11	H
	10059	-43.94	-13	-30.94	-73.64	-52.79	2.40	11.25	H
									H
									H
	5029	-46.00	-13	-33.00	-67.59	-57.02	1.62	12.64	V
	7544	-48.03	-13	-35.03	-74.13	-57.14	2.00	11.11	V
	10059	-44.31	-13	-31.31	-74.68	-53.16	2.40	11.25	V
									V
									V
Middle	5184	-51.31	-13	-38.31	-73.25	-62.51	1.66	12.86	H
	7776	-48.22	-13	-35.22	-74.14	-57.35	2.03	11.16	H
	10368	-44.40	-13	-31.40	-74.89	-53.01	2.39	11.01	H
									H
									H
	5184	-49.73	-13	-36.73	-71.49	-60.93	1.66	12.86	V
	7776	-48.47	-13	-35.47	-74.12	-57.60	2.03	11.16	V
	10368	-44.59	-13	-31.59	-75.08	-53.20	2.39	11.01	V
									V
									V



Highest	5338	-49.34	-13	-36.34	-71.75	-60.72	1.70	13.07	H
	8007	-46.34	-13	-33.34	-73.53	-55.49	2.06	11.21	H
	10676	-43.48	-13	-30.48	-74.35	-51.90	2.48	10.90	H
									H
									H
	5338	-49.97	-13	-36.97	-72.04	-61.35	1.70	13.07	V
	8007	-46.86	-13	-33.86	-73.92	-56.01	2.06	11.21	V
	10676	-43.90	-13	-30.90	-74.52	-52.32	2.48	10.90	V
									V
									V

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

**LTE Band 66B**

LTE Band 66B / 10MHz+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	3438	-57.13	-13	-44.13	-73.23	-68.13	1.35	12.35	H
	5158	-52.62	-13	-39.62	-74.57	-63.79	1.65	12.82	H
	6877	-48.80	-13	-35.80	-74.35	-59.13	1.74	12.07	H
									H
									H
									H
									H
	3438	-56.72	-13	-43.72	-73.22	-67.72	1.35	12.35	V
	5158	-53.17	-13	-40.17	-74.9	-64.34	1.65	12.82	V
	6877	-49.24	-13	-36.24	-74.37	-59.57	1.74	12.07	V
									V
									V
									V
									V
Middle	3464	-56.54	-13	-43.54	-72.89	-67.60	1.35	12.41	H
	5196	-53.12	-13	-40.12	-75.05	-64.33	1.66	12.87	H
	6928	-48.75	-13	-35.75	-74.55	-59.02	1.73	12.00	H
									H
									H
									H
									H
	3464	-56.40	-13	-43.40	-73.14	-67.46	1.35	12.41	V
	5196	-53.54	-13	-40.54	-75.3	-64.75	1.66	12.87	V
	6928	-48.56	-13	-35.56	-73.91	-58.83	1.73	12.00	V
									V
									V
									V
									V



Highest	3489	-56.62	-13	-43.62	-73.21	-67.74	1.36	12.47	H
	5233	-52.93	-13	-39.93	-74.97	-64.19	1.67	12.93	H
	6978	-48.35	-13	-35.35	-74.41	-58.56	1.72	11.93	H
									H
									H
									H
									H
	3489	-56.20	-13	-43.20	-73.16	-67.32	1.36	12.47	V
	5233	-53.36	-13	-40.36	-75.2	-64.62	1.67	12.93	V
	6978	-49.07	-13	-36.07	-74.64	-59.28	1.72	11.93	V
									V
									V
									V
									V

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

**LTE Band 66C**

LTE Band 66C / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3457	-56.41	-13	-43.41	-72.68	-66.85	1.83	12.27	H
	5186	-53.52	-13	-40.52	-75.45	-63.37	2.28	12.14	H
	6915	-49.31	-13	-36.31	-75.04	-57.90	2.39	10.99	H
									H
									H
									H
									H
	3457	-56.57	-13	-43.57	-73.23	-67.01	1.83	12.27	V
	5186	-53.59	-13	-40.59	-75.34	-63.44	2.28	12.14	V
	6915	-49.56	-13	-36.56	-74.84	-58.15	2.39	10.99	V
									V
									V
									V
									V
Middle	3462	-56.70	-13	-43.70	-73.03	-67.15	1.84	12.29	H
	5194	-52.58	-13	-39.58	-74.52	-62.44	2.28	12.14	H
	6926	-48.78	-13	-35.78	-74.57	-57.36	2.39	10.97	H
									H
									H
									H
									H
	3462	-56.52	-13	-43.52	-73.25	-66.97	1.84	12.29	V
	5194	-53.66	-13	-40.66	-75.43	-63.52	2.28	12.14	V
	6926	-48.87	-13	-35.87	-74.21	-57.45	2.39	10.97	V
									V
									V
									V
									V



Highest	3468	-56.79	-13	-43.79	-73.18	-67.25	1.84	12.30	H
	5202	-53.15	-13	-40.15	-75.09	-63.01	2.28	12.14	H
	6936	-48.60	-13	-35.60	-74.44	-57.17	2.40	10.96	H
									H
									H
									H
									H
	3468	-56.48	-13	-43.48	-73.25	-66.94	1.84	12.30	V
	5202	-53.41	-13	-40.41	-75.18	-63.27	2.28	12.14	V
	6936	-48.60	-13	-35.60	-73.99	-57.17	2.40	10.96	V
									V
									V
									V
									V

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



<Ant. 0+8>

LTE CA Band 5A+7A

LTE CA Band 5A+7A / 10MHz+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)
Middle	1666	-62.89	-13	-49.89	-71.36	-68.54	0.93	8.73	H
	2494	-41.84	-13	-28.84	-55.35	-49.23	1.15	10.69	H
	3331	-57.31	-13	-44.31	-72.57	-65.92	1.33	12.09	H
	5050	-53.06	-13	-40.06	-74.77	-61.96	1.62	12.67	H
	7579	-48.30	-13	-35.30	-74.12	-55.26	2.00	11.12	H
	10104	-44.72	-13	-31.72	-74.4	-51.39	2.40	11.22	H
									H
	1666	-62.93	-13	-49.93	-70.8	-68.58	0.93	8.73	V
	2494	-45.83	-13	-32.83	-72.54	-53.22	1.15	10.69	V
	3331	-44.13	-13	-31.13	-72.84	-52.74	1.33	12.09	V
	5050	-40.35	-13	-27.35	-74.68	-49.25	1.62	12.67	V
	7579	-35.30	-13	-22.30	-74.07	-42.26	2.00	11.12	V
	10104	-44.06	-13	-31.06	-74.32	-50.73	2.40	11.22	V
									V

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

LTE CA Band 5A+66A

LTE CA Band 5A+66A / 10MHz+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)
Middle	1666	-62.59	-13	-49.59	-71.06	-68.24	0.93	8.73	H
	2494	-58.75	-13	-45.75	-72.26	-66.14	1.15	10.69	H
	3331	-57.60	-13	-44.60	-72.86	-66.21	1.33	12.09	H
	3475	-57.27	-13	-44.27	-73.1	-66.20	1.36	12.44	H
	5212	-53.31	-13	-40.31	-75.12	-62.39	1.67	12.90	H
	6940	-48.67	-13	-35.67	-74.3	-56.78	1.73	11.98	H
									H
	1666	-62.54	-13	-49.54	-70.41	-68.19	0.93	8.73	V
	2494	-58.73	-13	-45.73	-72.44	-66.12	1.15	10.69	V
	3331	-56.99	-13	-43.99	-72.7	-65.60	1.33	12.09	V
	3475	-56.74	-13	-43.74	-72.94	-65.67	1.36	12.44	V
	5212	-53.52	-13	-40.52	-75.15	-62.60	1.67	12.90	V
	6940	-48.96	-13	-35.96	-74.13	-57.07	1.73	11.98	V
									V

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

**LTE CA Band 12A+66A**

LTE CA Band 12A+66A / 10MHz+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)
Middle	1405	-60.60	-13	-47.60	-70.02	-65.27	0.85	7.66	H
	2104	-59.58	-13	-46.58	-72.33	-66.51	1.06	10.15	H
	2808	-57.85	-13	-44.85	-72.19	-65.55	1.22	11.07	H
	3472	-57.49	-13	-44.49	-73.29	-66.42	1.35	12.43	H
	5208	-53.24	-13	-40.24	-75.04	-62.32	1.66	12.89	H
	6936	-48.72	-13	-35.72	-74.33	-56.83	1.73	11.99	H
									H
	1405	-61.41	-13	-48.41	-69.61	-66.08	0.85	7.66	V
	2104	-60.43	-13	-47.43	-72.07	-67.36	1.06	10.15	V
	2808	-57.97	-13	-44.97	-72.26	-65.67	1.22	11.07	V
	3472	-57.09	-13	-44.09	-73.27	-66.02	1.35	12.43	V
	5208	-53.56	-13	-40.56	-75.19	-62.64	1.66	12.89	V
	6936	-48.82	-13	-35.82	-73.98	-56.93	1.73	11.99	V
									V

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

**LTE CA Band 13A+66A**

LTE CA Band 13A+66A / 10MHz+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)
Middle	1560	-62.19	-42.15	-20.04	-70.78	-67.48	0.89	8.33	H
	2328	-58.47	-13	-45.47	-72.24	-65.67	1.11	10.46	H
	3104	-57.68	-13	-44.68	-73.04	-65.79	1.29	11.55	H
	3472	-57.28	-13	-44.28	-73.08	-66.21	1.35	12.43	H
	5208	-53.42	-13	-40.42	-75.22	-62.50	1.66	12.89	H
	6936	-48.51	-13	-35.51	-74.12	-56.62	1.73	11.99	H
									H
	1560	-62.24	-42.15	-20.09	-70.19	-67.53	0.89	8.33	V
	2328	-59.03	-13	-46.03	-72.33	-66.23	1.11	10.46	V
	3104	-57.55	-13	-44.55	-73.24	-65.66	1.29	11.55	V
	3472	-57.06	-13	-44.06	-73.24	-65.99	1.35	12.43	V
	5208	-53.52	-13	-40.52	-75.15	-62.60	1.66	12.89	V
	6936	-49.12	-13	-36.12	-74.28	-57.23	1.73	11.99	V
									V

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



<Ant. 8+0>

LTE CA Band 2A+4A

LTE CA Band 2A+4A / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-56.89	-13	-43.89	-73.08	-67.91	1.35	12.37	H
	3742	-55.95	-13	-42.95	-74.06	-67.17	1.42	12.65	H
	5170	-52.94	-13	-39.94	-74.89	-64.12	1.65	12.84	H
	5613	-51.54	-13	-38.54	-74.62	-63.10	1.74	13.30	H
	6894	-48.63	-13	-35.63	-74.26	-58.94	1.73	12.05	H
	7484	-47.55	-13	-34.55	-73.99	-56.69	1.98	11.13	H
									H
	3447	-56.89	-13	-43.89	-73.08	-67.91	1.35	12.37	V
	3742	-55.95	-13	-42.95	-74.06	-67.17	1.42	12.65	V
	5170	-52.94	-13	-39.94	-74.89	-64.12	1.65	12.84	V
	5613	-51.54	-13	-38.54	-74.62	-63.10	1.74	13.30	V
	6894	-48.63	-13	-35.63	-74.26	-58.94	1.73	12.05	V
	7484	-47.55	-13	-34.55	-73.99	-56.69	1.98	11.13	V
									V

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

**LTE CA Band 2A+5A**

LTE CA Band 2A+5A / 20MHz+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)
Middle	1664	-62.88	-13	-49.88	-71.34	-70.68	0.93	8.72	H
	2496	-58.70	-13	-45.70	-72.21	-68.25	1.15	10.69	H
	3328	-57.81	-13	-44.81	-73.06	-68.57	1.33	12.09	H
	3742	-57.40	-13	-44.40	-74.96	-68.62	1.42	12.65	H
	5616	-51.90	-13	-38.90	-74.72	-63.46	1.74	13.30	H
	7488	-46.94	-13	-33.94	-73.24	-56.08	1.98	11.12	H
									H
	1664	-63.60	-13	-50.60	-71.47	-71.40	0.93	8.72	V
	2496	-58.80	-13	-45.80	-72.52	-68.35	1.15	10.69	V
	3328	-57.29	-13	-44.29	-73	-68.05	1.33	12.09	V
	3742	-56.96	-13	-43.96	-74.72	-68.18	1.42	12.65	V
	5616	-52.24	-13	-39.24	-74.92	-63.80	1.74	13.30	V
	7488	-47.19	-13	-34.19	-73.45	-56.33	1.98	11.12	V
									V

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

**LTE CA Band 2A+7A**

LTE CA Band 2A+7A / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742	-55.92	-13	-42.92	-74.03	-67.14	1.42	12.65	H
	5052	-51.83	-13	-38.83	-73.83	-62.88	1.62	12.67	H
	5613	-51.59	-13	-38.59	-74.67	-63.15	1.74	13.30	H
	7484	-47.64	-13	-34.64	-74.08	-56.78	1.98	11.13	H
	7578	-48.52	-13	-35.52	-74.48	-57.63	2.00	11.12	H
	10104	-44.42	-13	-31.42	-74.23	-53.24	2.40	11.22	H
									H
	3742	-55.78	-13	-42.78	-74.09	-67.00	1.42	12.65	V
	5052	-52.78	-13	-39.78	-74.41	-63.83	1.62	12.67	V
	5613	-51.92	-13	-38.92	-74.66	-63.48	1.74	13.30	V
	7484	-47.65	-13	-34.65	-74.04	-56.79	1.98	11.13	V
	7578	-48.43	-13	-35.43	-74.35	-57.54	2.00	11.12	V
	10104	-43.76	-13	-30.76	-74.15	-52.58	2.40	11.22	V
									V

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

LTE CA Band 2A+12A

LTE CA Band 2A+12A / 20MHz+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)
Middle	1408	-61.50	-13	-48.50	-70.92	-68.33	0.85	7.68	H
	2112	-58.56	-13	-45.56	-71.46	-67.65	1.06	10.16	H
	2816	-58.03	-13	-45.03	-72.39	-67.88	1.23	11.08	H
	3744	-57.02	-13	-44.02	-74.59	-68.24	1.42	12.65	H
	5616	-51.47	-13	-38.47	-74.49	-63.03	1.74	13.30	H
	7488	-47.18	-13	-34.18	-73.48	-56.32	1.98	11.12	H
									H
	1408	-62.71	-13	-49.71	-70.91	-69.54	0.85	7.68	V
	2112	-59.92	-13	-46.92	-71.7	-69.01	1.06	10.16	V
	2816	-58.29	-13	-45.29	-72.61	-68.14	1.23	11.08	V
	3744	-57.05	-13	-44.05	-74.82	-68.27	1.42	12.65	V
	5616	-51.29	-13	-38.29	-73.97	-62.85	1.74	13.30	V
	7488	-46.68	-13	-33.68	-72.94	-55.82	1.98	11.12	V
									V

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

**LTE CA Band 2A+13A**

LTE CA Band 2A+13A / 20MHz+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)
Middle	1555	-62.74	-13	-49.74	-71.36	-70.16	0.89	8.31	H
	2333	-58.52	-13	-45.52	-72.26	-67.87	1.11	10.47	H
	3110	-57.77	-13	-44.77	-73.14	-68.04	1.29	11.56	H
	3742	-57.05	-13	-44.05	-74.61	-68.27	1.42	12.65	H
	5613	-51.63	-13	-38.63	-74.64	-63.19	1.74	13.30	H
	7484	-46.81	-13	-33.81	-73.14	-55.95	1.98	11.13	H
									H
	1555	-62.94	-13	-49.94	-70.88	-70.36	0.89	8.31	V
	2333	-59.09	-13	-46.09	-72.39	-68.44	1.11	10.47	V
	3110	-57.18	-13	-44.18	-72.9	-67.45	1.29	11.56	V
	3742	-56.99	-13	-43.99	-74.75	-68.21	1.42	12.65	V
	5613	-52.09	-13	-39.09	-74.76	-63.65	1.74	13.30	V
	7484	-47.07	-13	-34.07	-73.35	-56.21	1.98	11.13	V
									V

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

**LTE CA Band 2A+66A**

LTE CA Band 2A+66A / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3474	-56.40	-13	-43.40	-72.84	-67.48	1.36	12.44	H
	3744	-55.78	-13	-42.78	-73.9	-67.00	1.42	12.65	H
	5208	-52.76	-13	-39.76	-74.72	-63.99	1.66	12.89	H
	5616	-50.88	-13	-37.88	-73.97	-62.44	1.74	13.30	H
	6942	-48.33	-13	-35.33	-74.2	-58.58	1.73	11.98	H
	7482	-46.95	-13	-33.95	-73.4	-56.10	1.98	11.13	H
									H
	3474	-55.28	-13	-42.28	-72.1	-66.36	1.36	12.44	V
	3744	-55.90	-13	-42.90	-74.22	-67.12	1.42	12.65	V
	5208	-53.20	-13	-40.20	-74.99	-64.43	1.66	12.89	V
	5616	-52.07	-13	-39.07	-74.82	-63.63	1.74	13.30	V
	6942	-48.77	-13	-35.77	-74.18	-59.02	1.73	11.98	V
	7482	-47.52	-13	-34.52	-73.91	-56.67	1.98	11.13	V
									V

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

LTE CA Band 4A+5A

LTE CA Band 4A+5A / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1666	-62.93	-13	-49.93	-71.4	-70.73	0.93	8.73	H
	2496	-59.07	-13	-46.07	-72.58	-68.62	1.15	10.69	H
	3328	-58.34	-13	-45.34	-73.59	-69.10	1.33	12.09	H
	3447	-57.45	-13	-44.45	-73.01	-68.47	1.35	12.37	H
	5170	-53.85	-13	-40.85	-75.6	-65.03	1.65	12.84	H
	6894	-48.50	-13	-35.50	-73.88	-58.81	1.73	12.05	H
									H
	1666	-63.87	-13	-50.87	-71.74	-71.67	0.93	8.73	V
	2496	-58.49	-13	-45.49	-72.21	-68.04	1.15	10.69	V
	3328	-57.61	-13	-44.61	-73.32	-68.37	1.33	12.09	V
	3447	-56.66	-13	-43.66	-72.61	-67.68	1.35	12.37	V
	5170	-53.97	-13	-40.97	-75.51	-65.15	1.65	12.84	V
	6894	-49.24	-13	-36.24	-74.19	-59.55	1.73	12.05	V
									V

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

LTE CA Band 4A+7A

LTE CA Band 4A+7A / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-56.55	-13	-43.55	-72.74	-67.57	1.35	12.37	H
	5052	-50.88	-13	-37.88	-72.88	-61.93	1.62	12.67	H
	5170	-53.27	-13	-40.27	-75.22	-64.45	1.65	12.84	H
	6894	-48.90	-13	-35.90	-74.53	-59.21	1.73	12.05	H
	7578	-48.37	-13	-35.37	-74.33	-57.48	2.00	11.12	H
	10104	-44.29	-13	-31.29	-74.1	-53.11	2.40	11.22	H
									H
	3447	-56.48	-13	-43.48	-73.06	-67.50	1.35	12.37	V
	5052	-51.77	-13	-38.77	-73.4	-62.82	1.62	12.67	V
	5170	-52.89	-13	-39.89	-74.63	-64.07	1.65	12.84	V
	6894	-49.30	-13	-36.30	-74.5	-59.61	1.73	12.05	V
	7578	-48.17	-13	-35.17	-74.09	-57.28	2.00	11.12	V
	10104	-44.00	-13	-31.00	-74.39	-52.82	2.40	11.22	V
									V

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

**LTE CA Band 4A+12A**

LTE CA Band 4A+12A / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-60.41	-13	-47.41	-69.83	-67.23	0.85	7.67	H
	2109	-58.26	-13	-45.26	-71.1	-67.35	1.06	10.15	H
	2812	-57.80	-13	-44.80	-72.15	-67.65	1.22	11.07	H
	3447	-57.14	-13	-44.14	-72.7	-68.16	1.35	12.37	H
	5170	-53.56	-13	-40.56	-75.31	-64.74	1.65	12.84	H
	6894	-48.73	-13	-35.73	-74.11	-59.04	1.73	12.05	H
									H
	1406	-62.60	-13	-49.60	-70.8	-69.42	0.85	7.67	V
	2109	-60.06	-13	-47.06	-71.79	-69.15	1.06	10.15	V
	2812	-57.84	-13	-44.84	-72.14	-67.69	1.22	11.07	V
	3447	-57.02	-13	-44.02	-72.97	-68.04	1.35	12.37	V
	5170	-53.74	-13	-40.74	-75.28	-64.92	1.65	12.84	V
	6894	-49.26	-13	-36.26	-74.21	-59.57	1.73	12.05	V
									V

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

**LTE CA Band 4A+13A**

LTE CA Band 4A+13A / 20MHz+20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1555	-61.22	-13	-48.22	-69.84	-68.64	0.89	8.31	H
	2333	-52.41	-13	-39.41	-66.15	-61.76	1.11	10.47	H
	3110	-57.36	-13	-44.36	-72.73	-67.63	1.29	11.56	H
	3447	-56.80	-13	-43.80	-72.36	-67.82	1.35	12.37	H
	5171	-53.57	-13	-40.57	-75.32	-64.75	1.65	12.84	H
	6894	-48.57	-13	-35.57	-73.95	-58.88	1.73	12.05	H
									H
	1555	-62.22	-13	-49.22	-70.16	-69.64	0.89	8.31	V
	2333	-57.05	-13	-44.05	-70.35	-66.40	1.11	10.47	V
	3110	-57.30	-13	-44.30	-73.02	-67.57	1.29	11.56	V
	3447	-56.89	-13	-43.89	-72.84	-67.91	1.35	12.37	V
	5171	-53.94	-13	-40.94	-75.49	-65.12	1.65	12.84	V
	6894	-49.18	-13	-36.18	-74.13	-59.49	1.73	12.05	V
									V

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