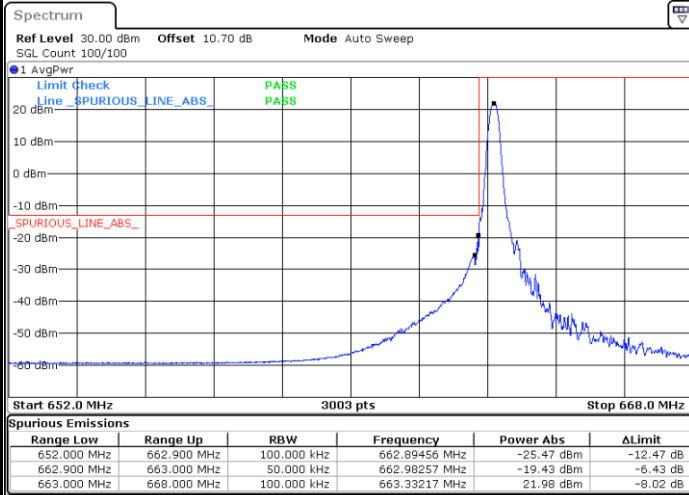




Conducted Band Edge

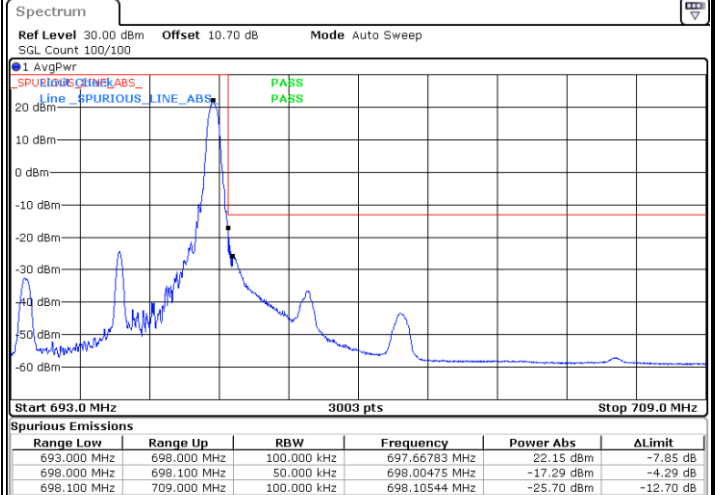
4G-LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



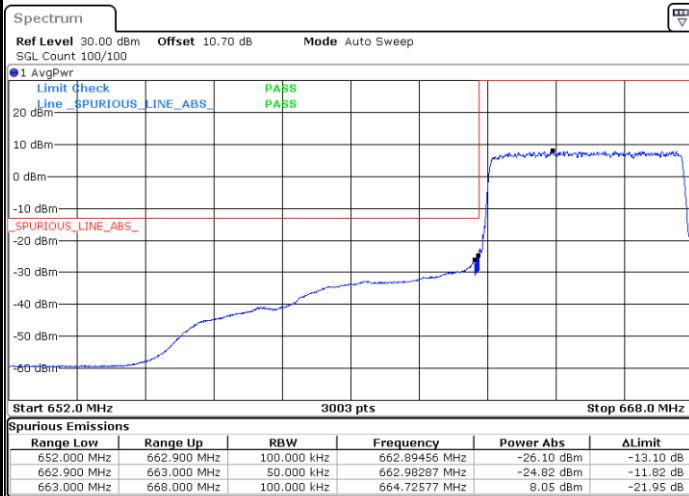
Date: 3.AUG.2023 15:39:18

Highest Band Edge / 1 RB



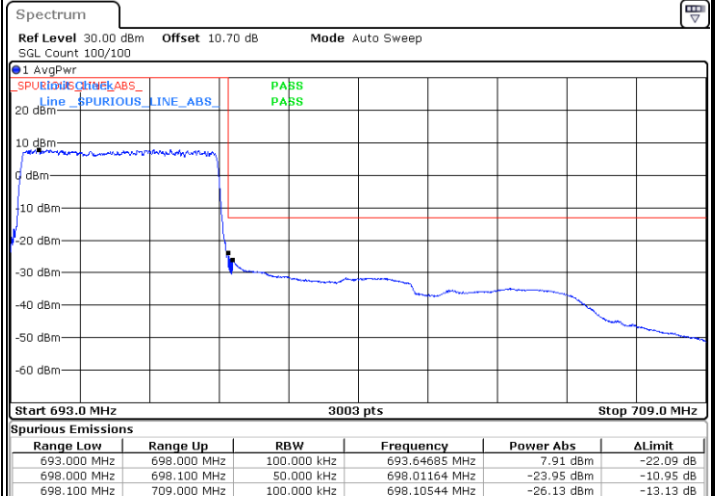
Date: 3.AUG.2023 15:47:31

Lowest Band Edge / Full RB



Date: 3.AUG.2023 15:41:20

Highest Band Edge / Full RB

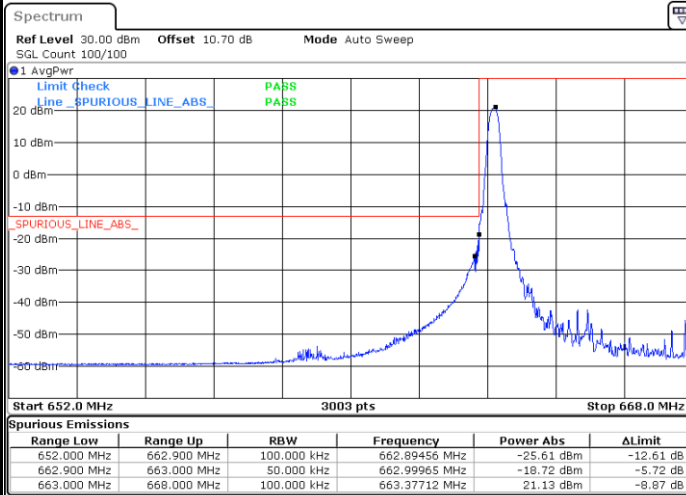


Date: 3.AUG.2023 15:49:30

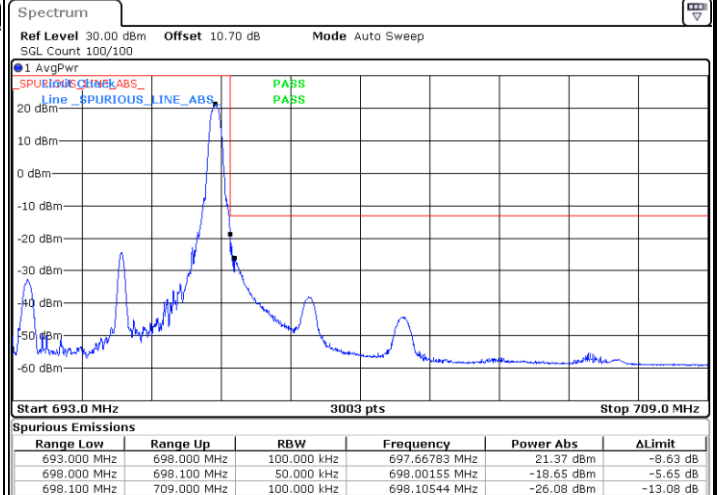


4G-LTE Band 71 / 5MHz / 16QAM

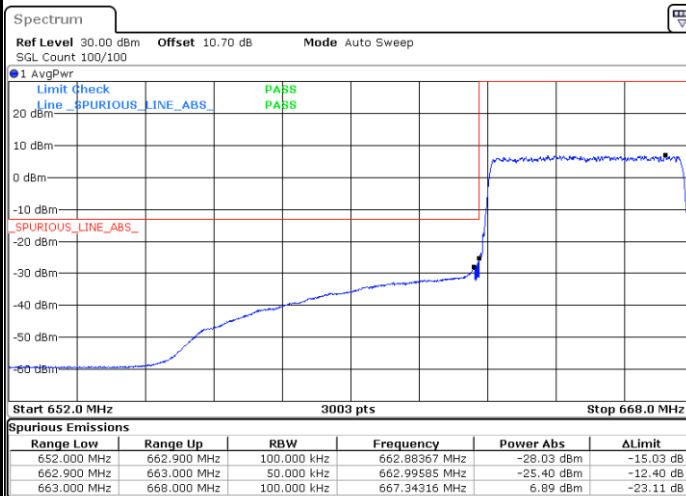
Lowest Band Edge / 1RB



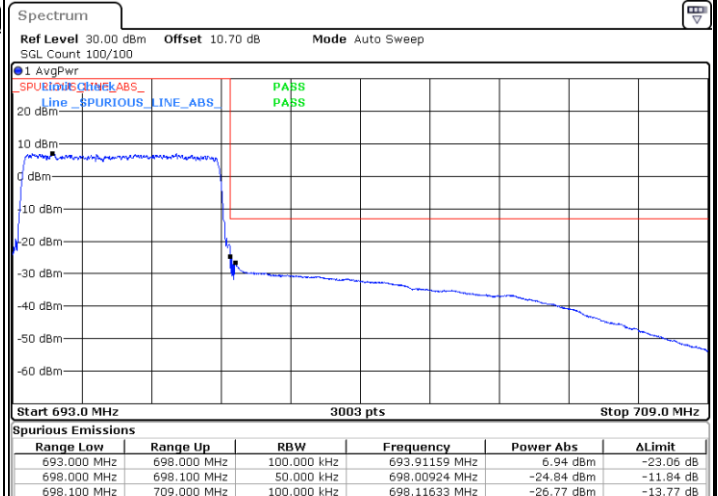
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



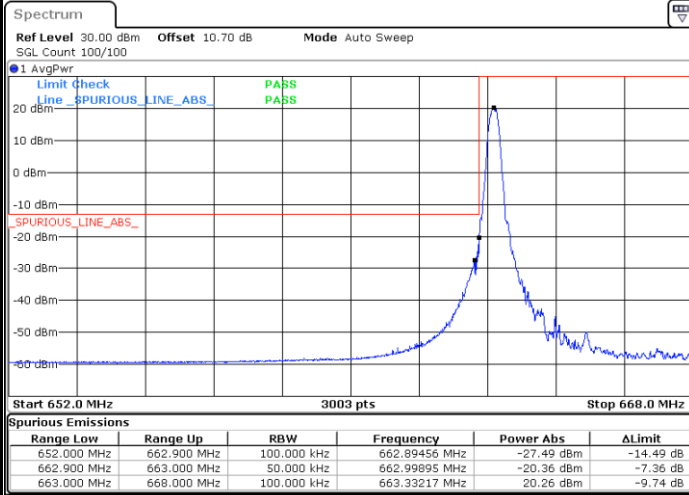
Highest Band Edge / Full RB



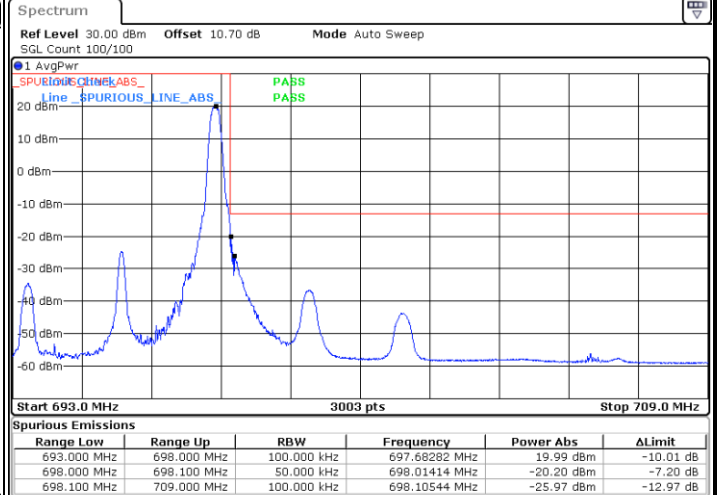


4G-LTE Band 71 / 5MHz / 64QAM

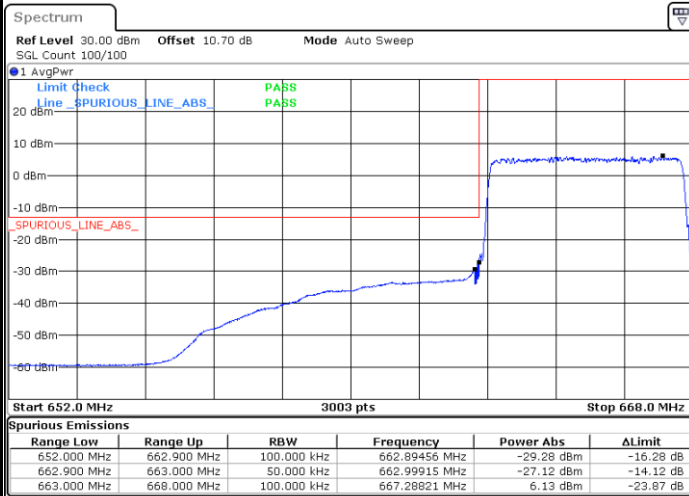
Lowest Band Edge / 1RB



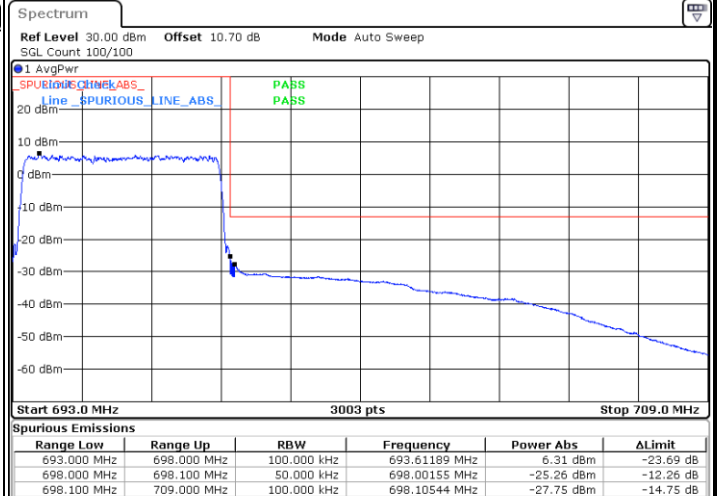
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



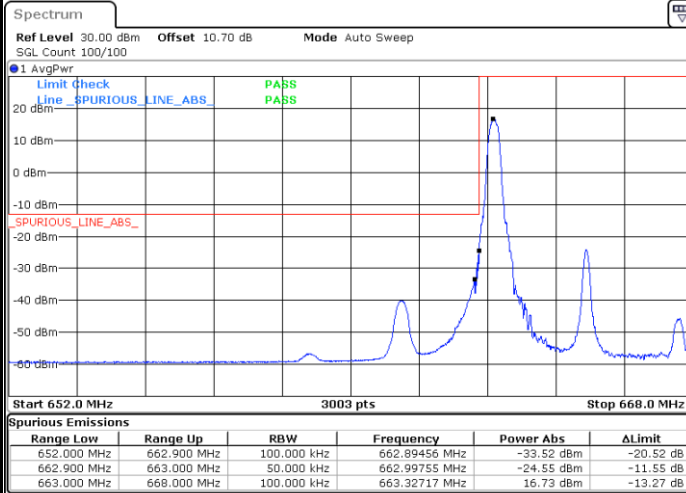
Highest Band Edge / Full RB



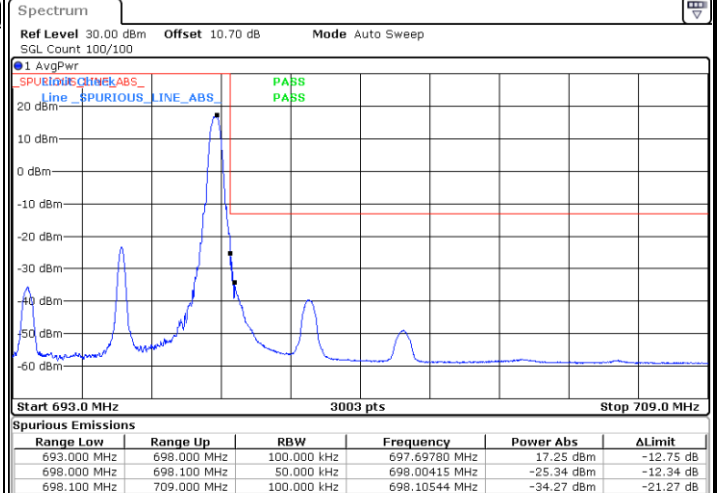


4G-LTE Band 71 / 5MHz / 256QAM

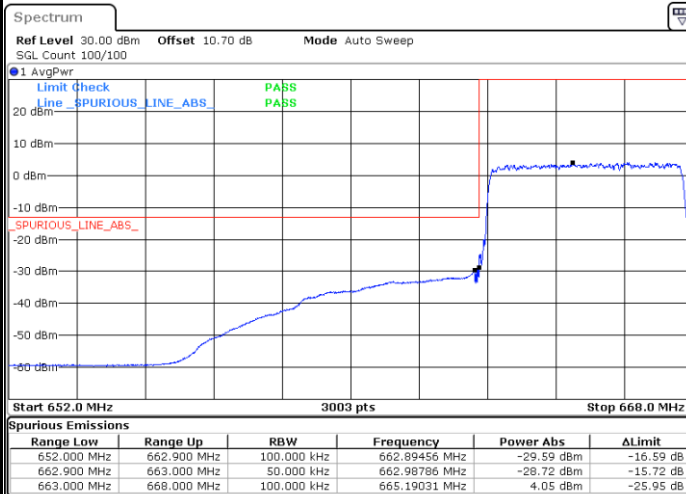
Lowest Band Edge / 1RB



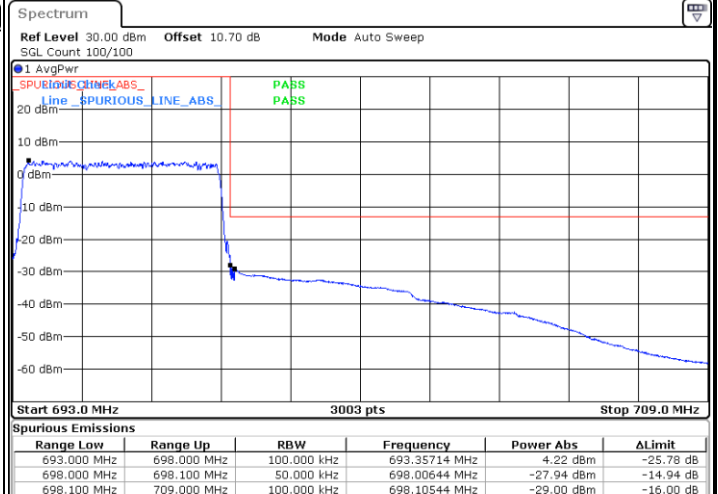
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



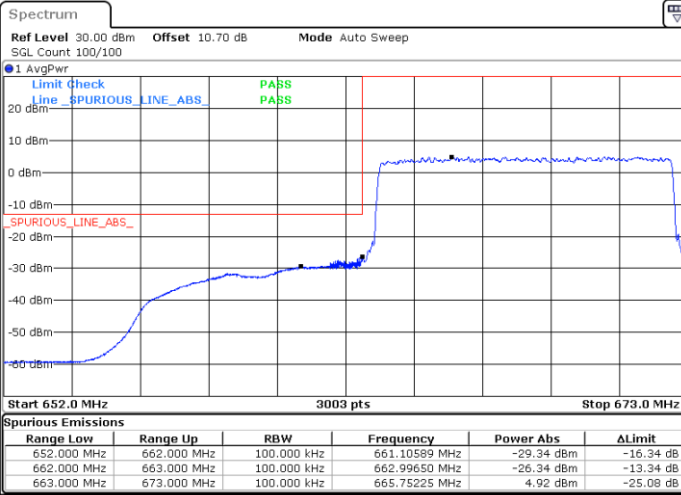
Highest Band Edge / Full RB



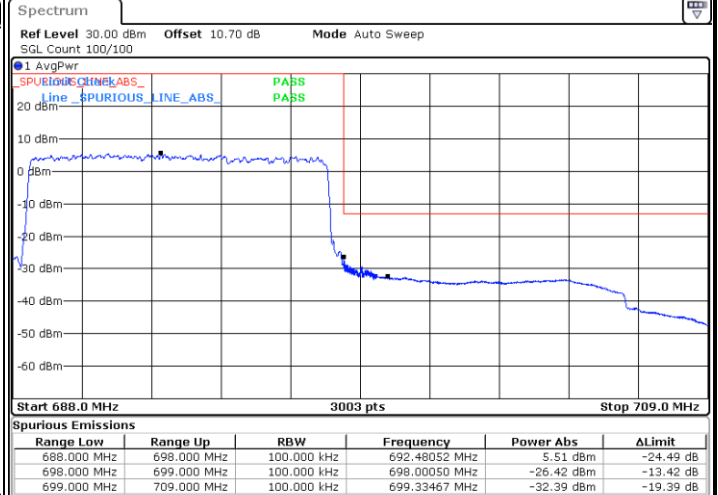


4G-LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / Full RB

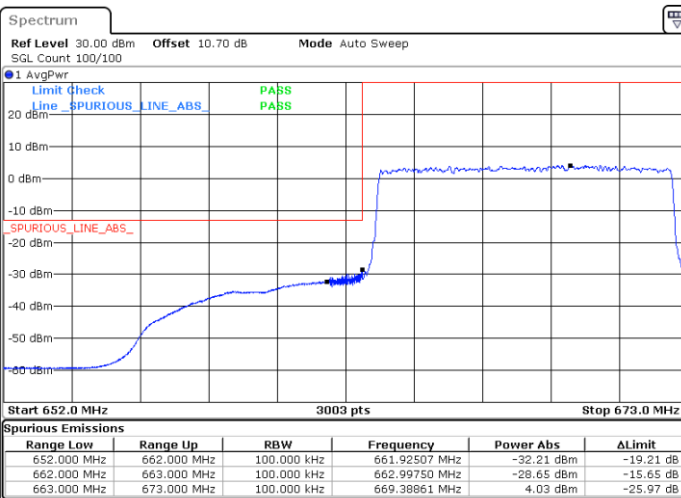


Highest Band Edge / Full RB

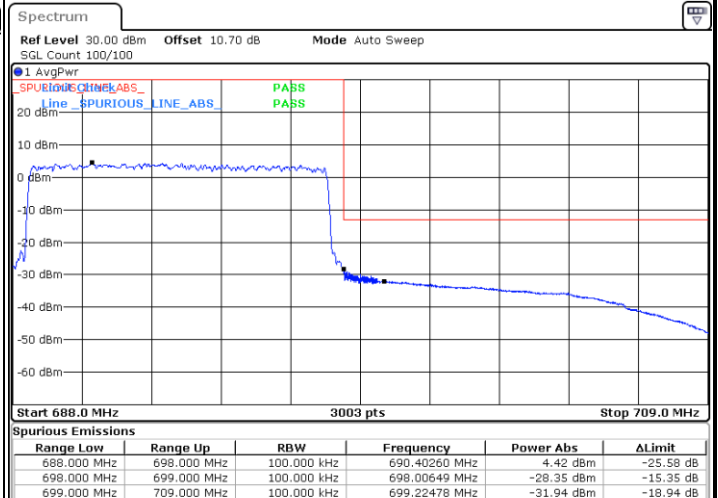


4G-LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / Full RB



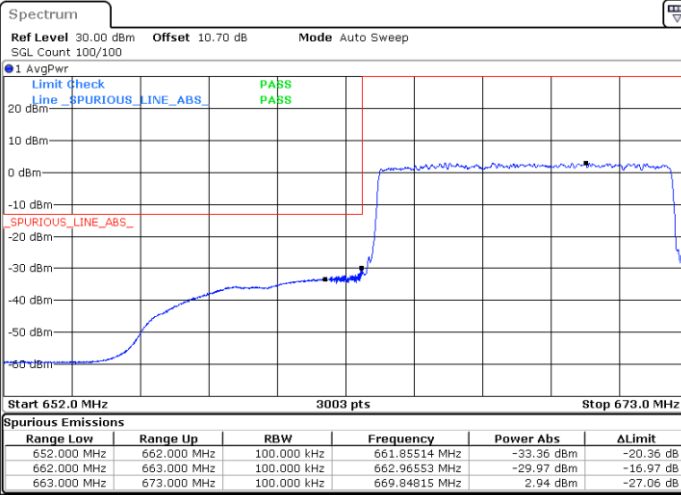
Highest Band Edge / Full RB



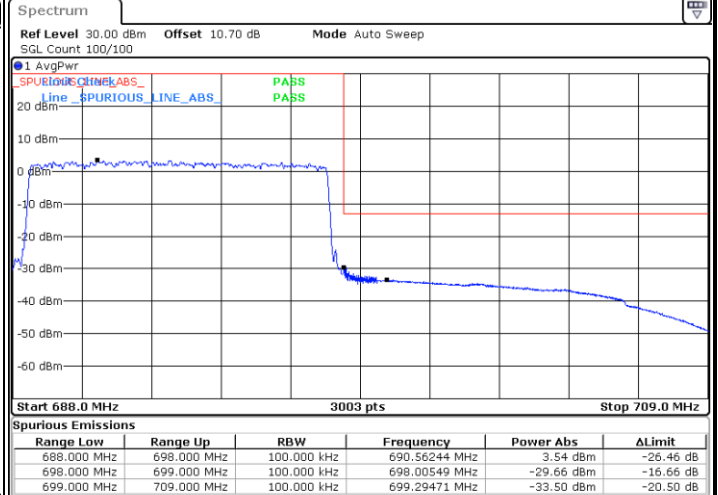


4G-LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / Full RB

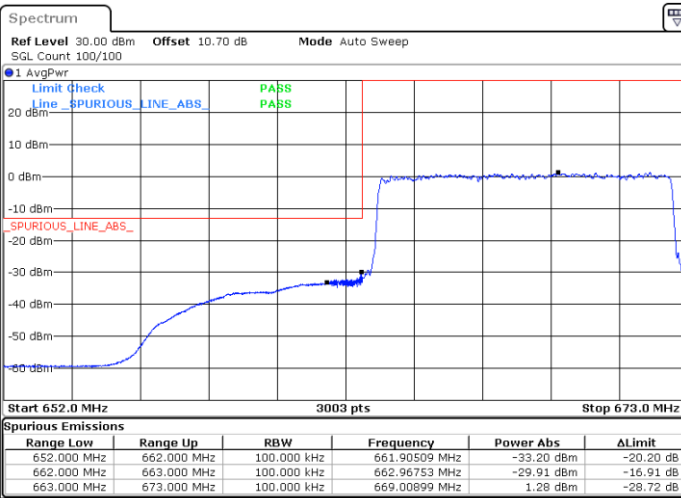


Highest Band Edge / Full RB

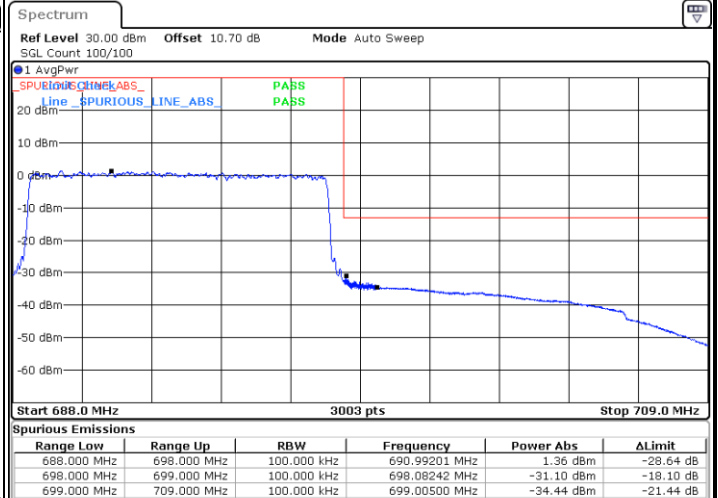


4G-LTE Band 71 / 10MHz / 256QAM

Lowest Band Edge / Full RB



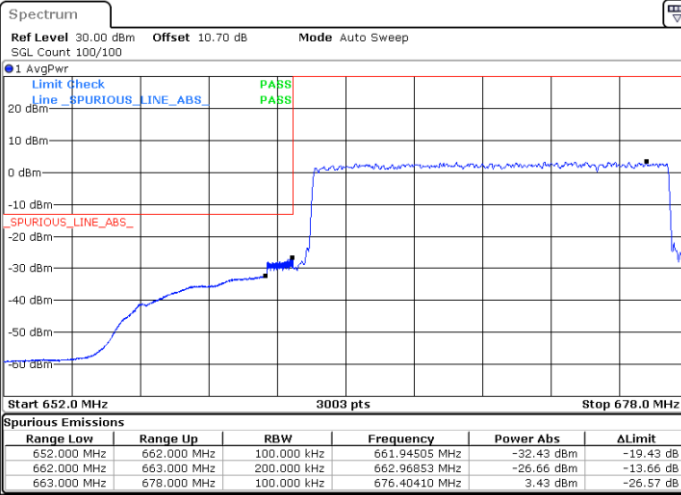
Highest Band Edge / Full RB



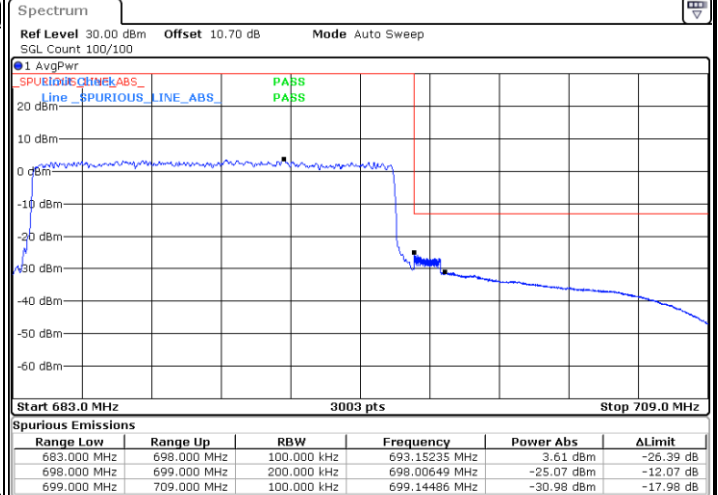


4G-LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / Full RB

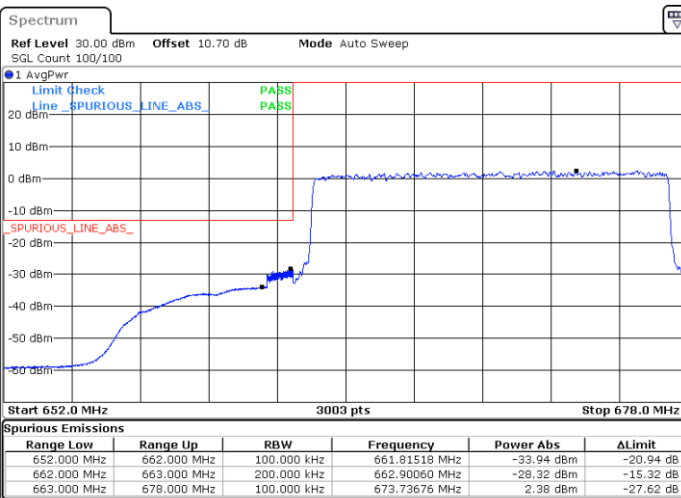


Highest Band Edge / Full RB

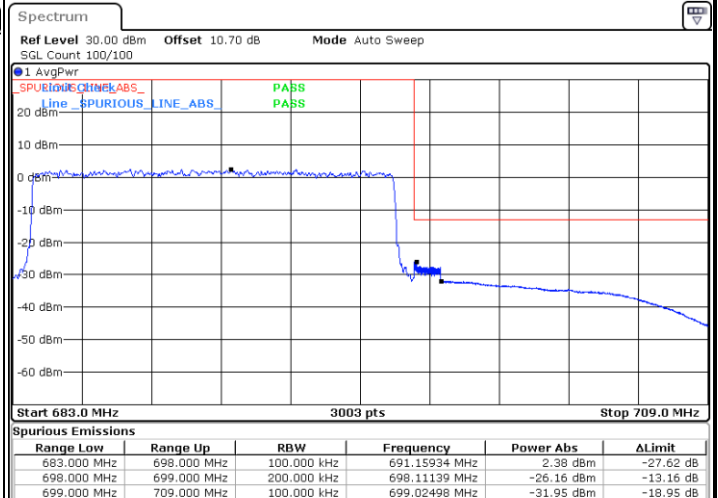


4G-LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

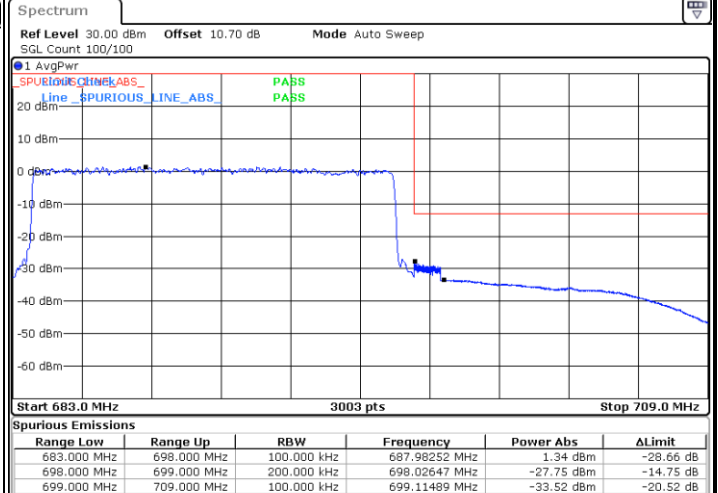
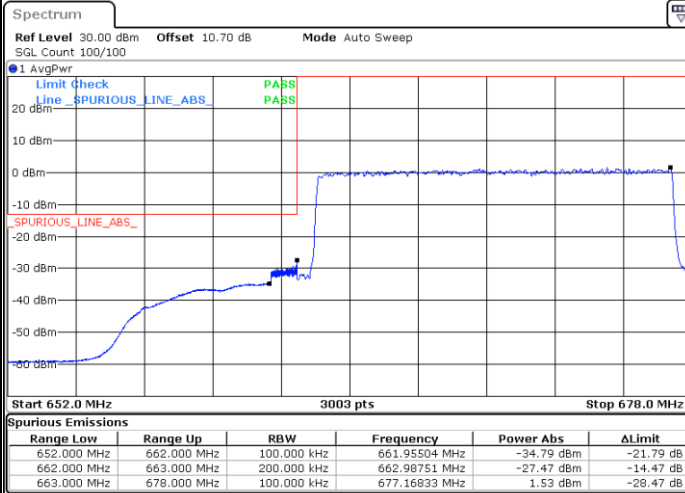




4G-LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / Full RB

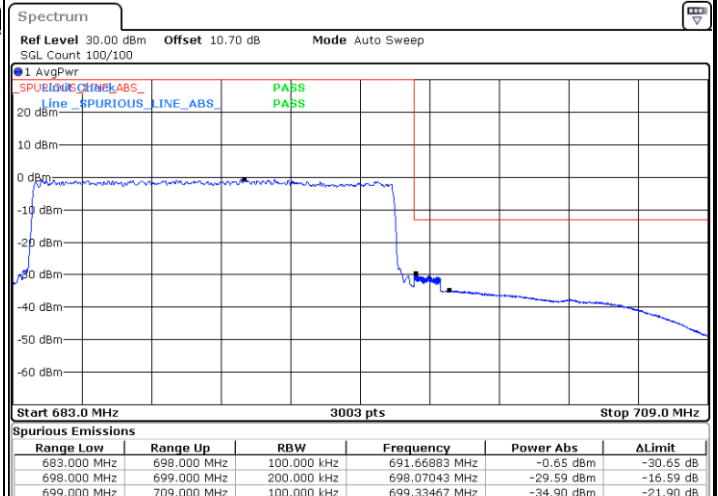
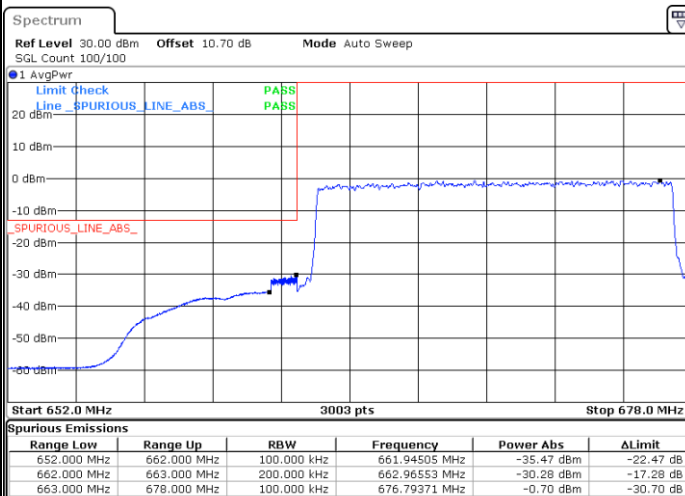
Highest Band Edge / Full RB



4G-LTE Band 71 / 15MHz / 256QAM

Lowest Band Edge / Full RB

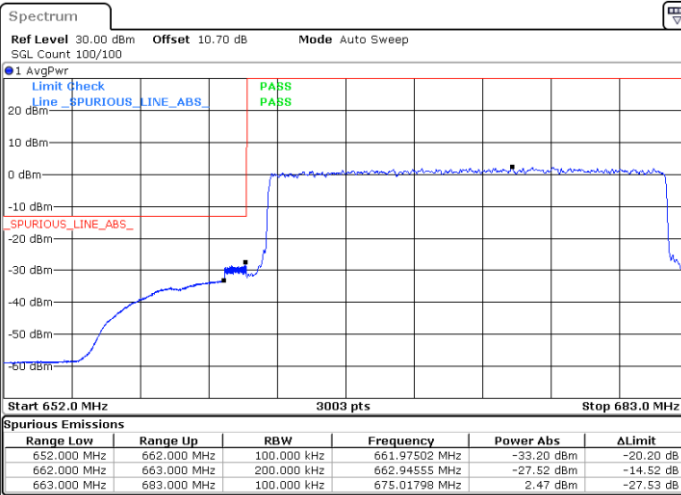
Highest Band Edge / Full RB



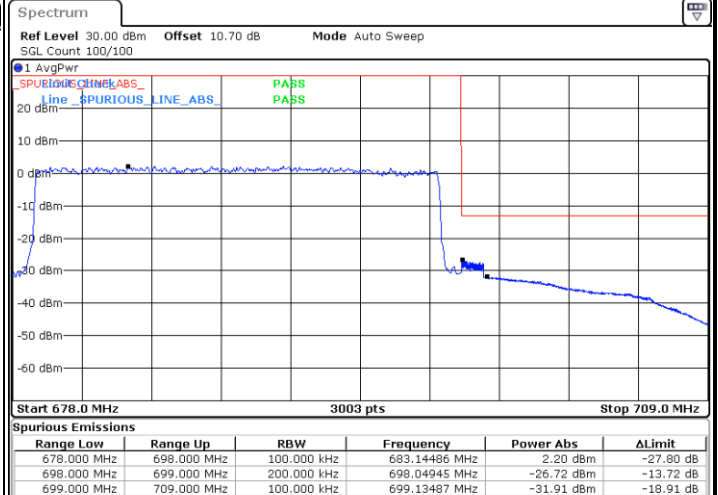


4G-LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / Full RB

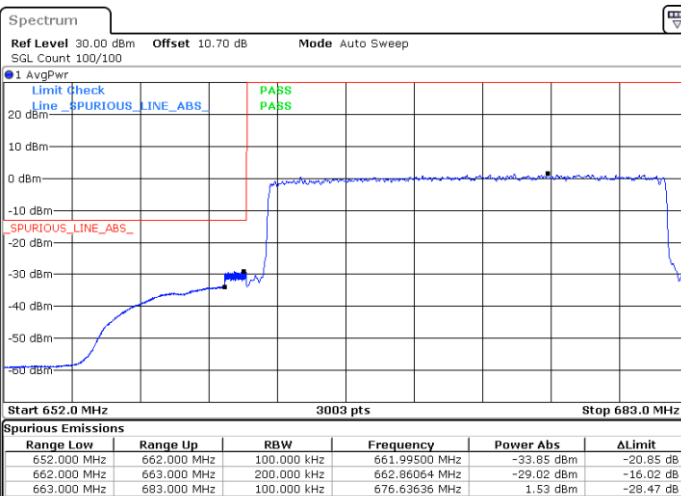


Highest Band Edge / Full RB

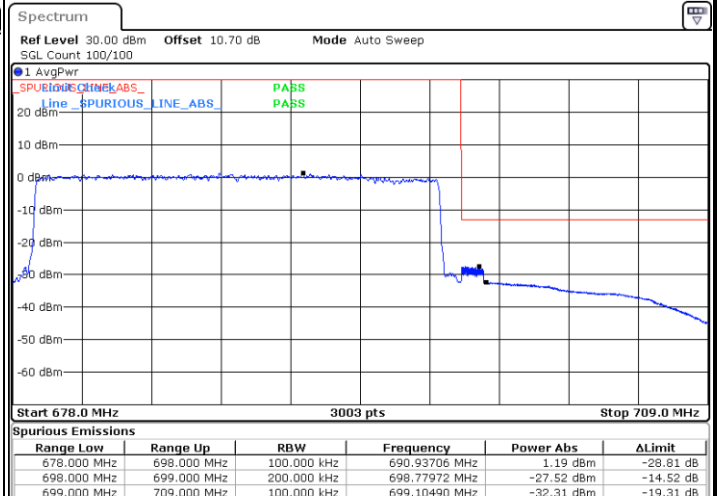


4G-LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / Full RB



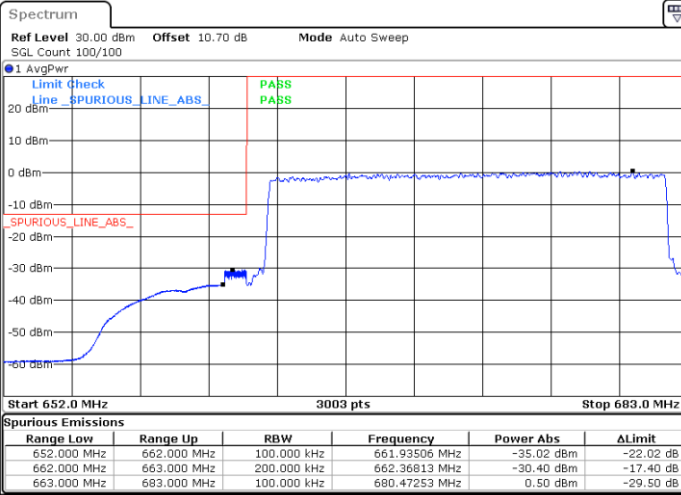
Highest Band Edge / Full RB



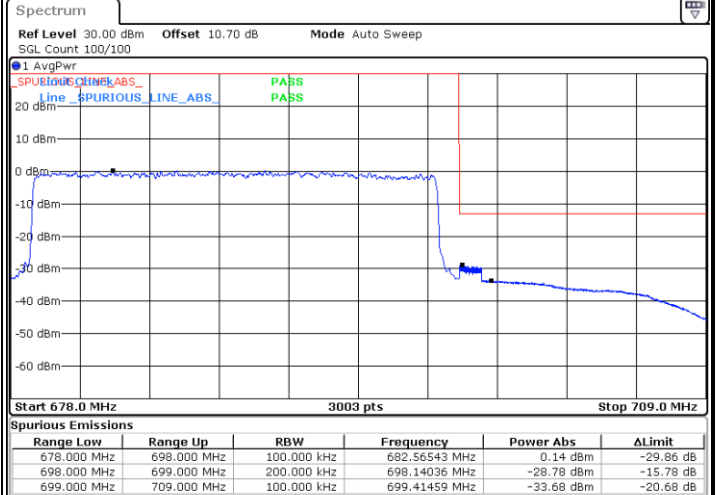


4G-LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / Full RB

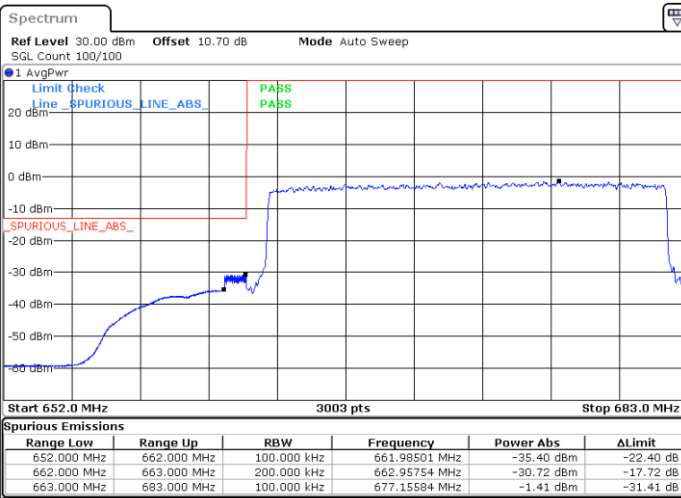


Highest Band Edge / Full RB

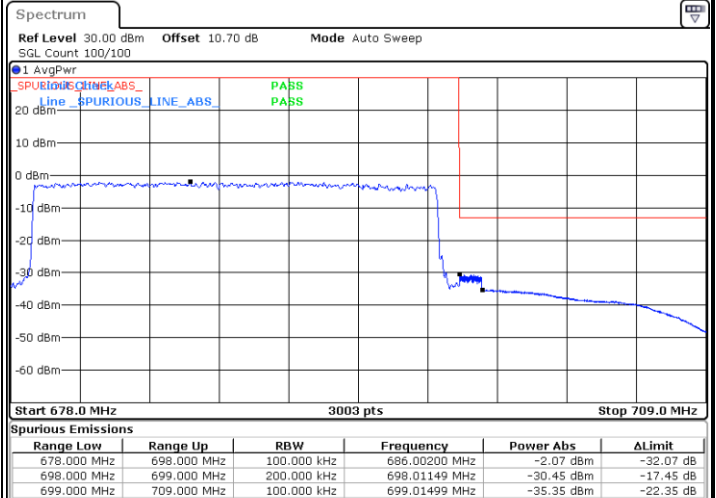


4G-LTE Band 71 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

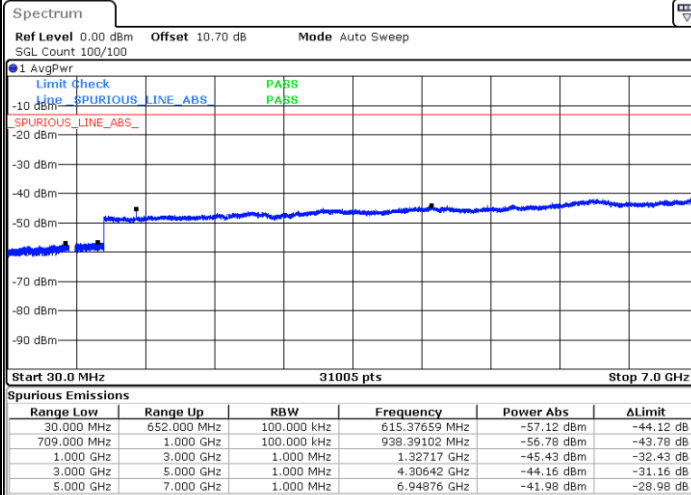




Conducted Spurious Emission

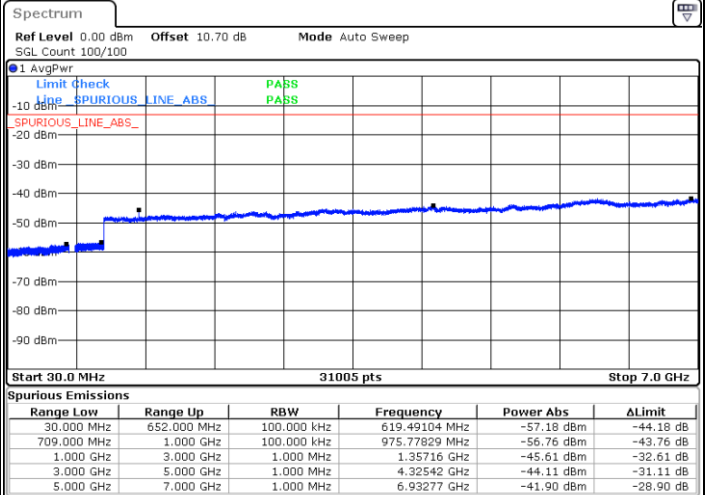
4G-LTE Band 71 / 5MHz

Lowest Channel / QPSK



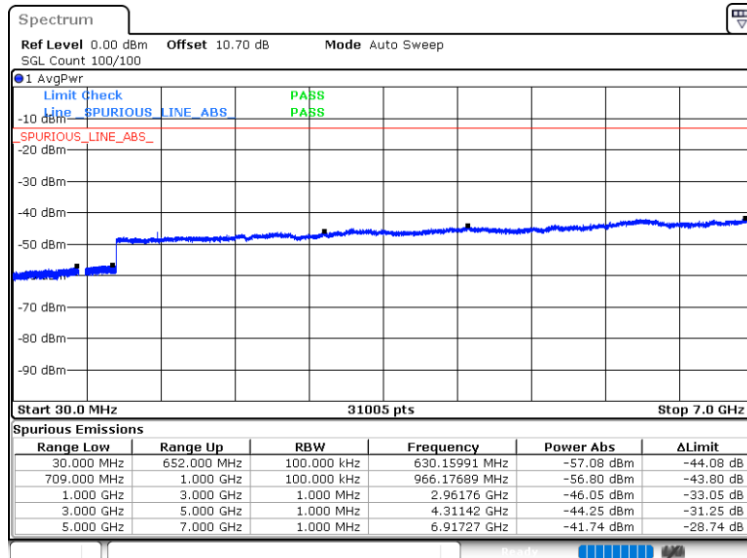
Date: 3.AUG.2023 15:43:29

Middle Channel / QPSK



Date: 3.AUG.2023 15:46:33

Highest Channel / QPSK

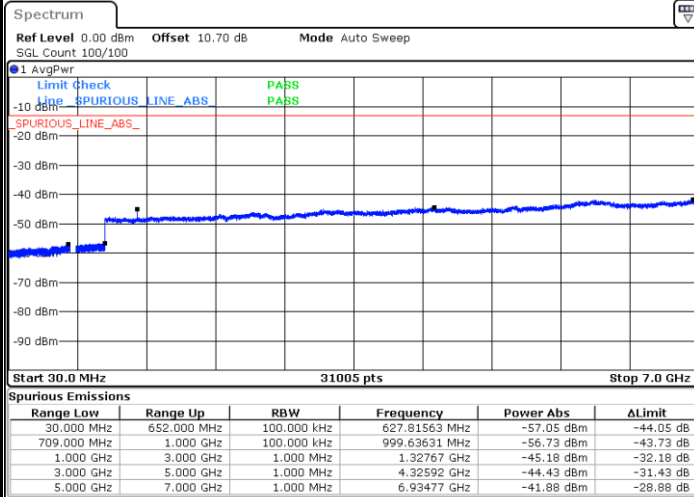


Date: 3.AUG.2023 15:51:39



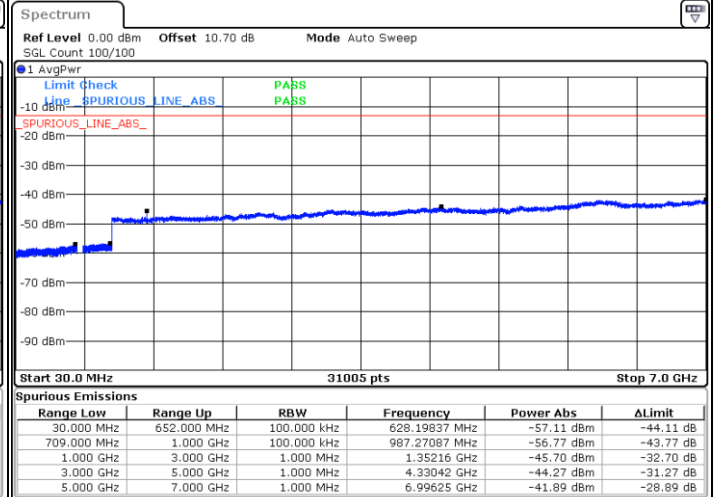
4G-LTE Band 71 / 10MHz

Lowest Channel / QPSK



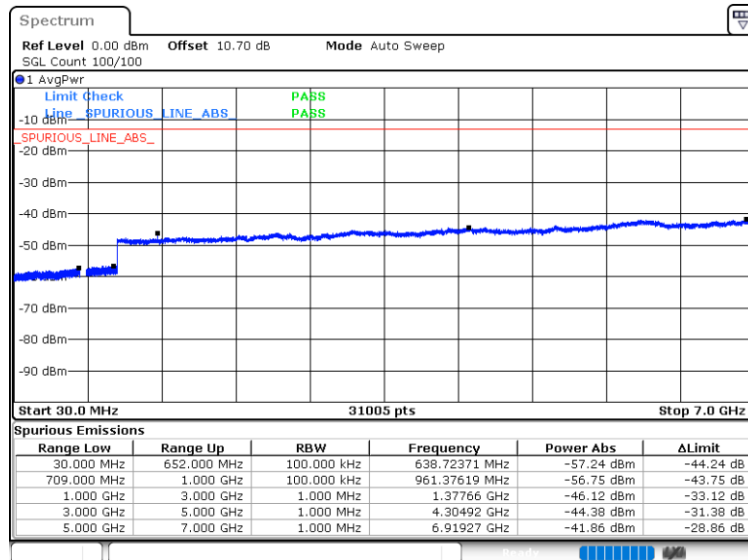
Date: 3.AUG.2023 16:25:07

Middle Channel / QPSK



Date: 3.AUG.2023 16:26:14

Highest Channel / QPSK

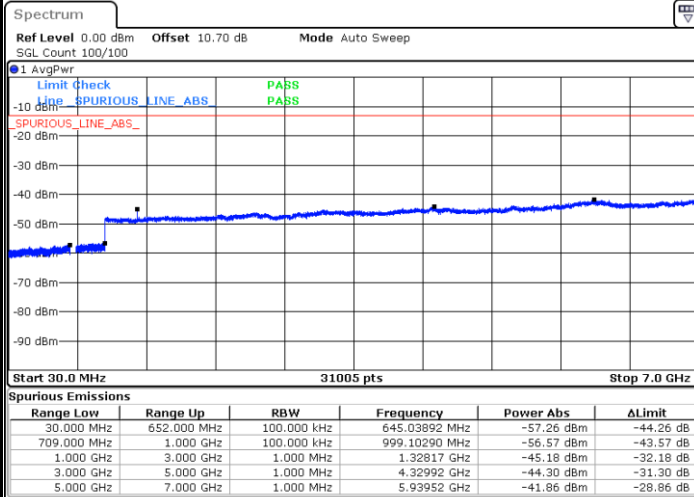


Date: 3.AUG.2023 16:27:22



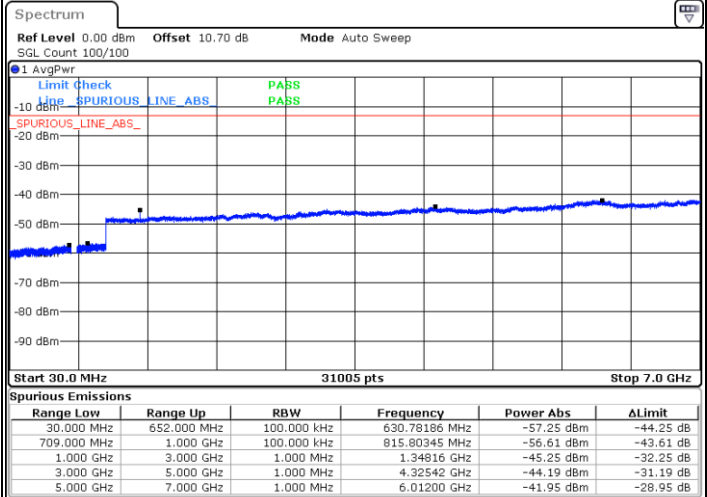
4G-LTE Band 71 / 15MHz

Lowest Channel / QPSK



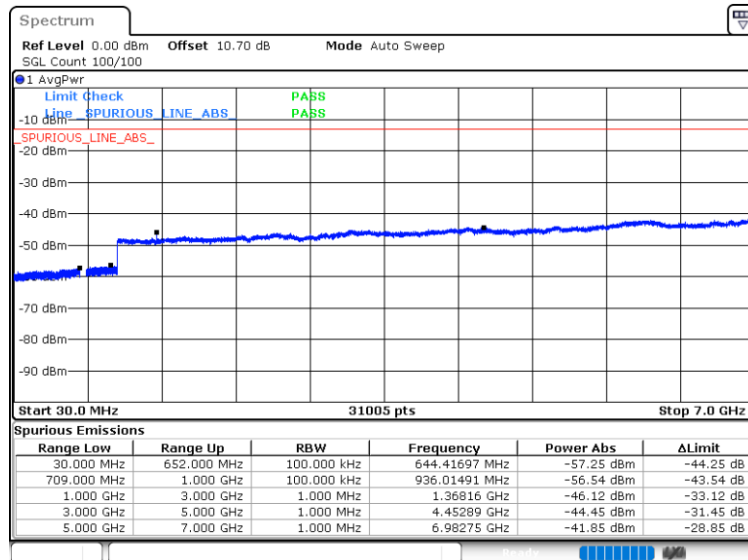
Date: 3.AUG.2023 16:28:35

Middle Channel / QPSK



Date: 3.AUG.2023 16:29:42

Highest Channel / QPSK

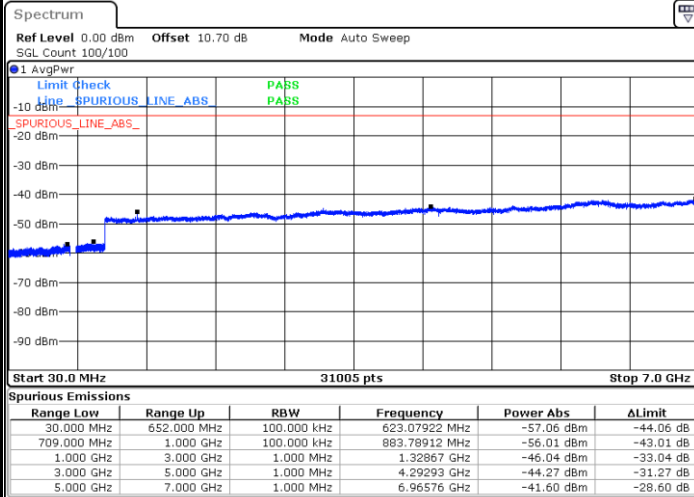


Date: 3.AUG.2023 16:30:50



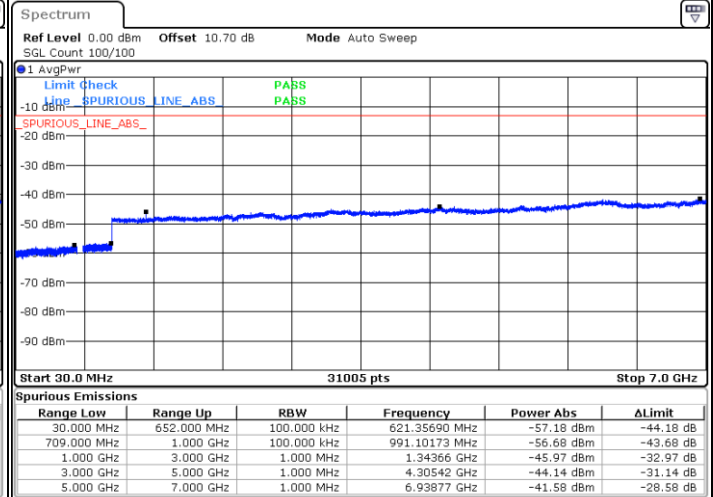
4G-LTE Band 71 / 20MHz

Lowest Channel / QPSK



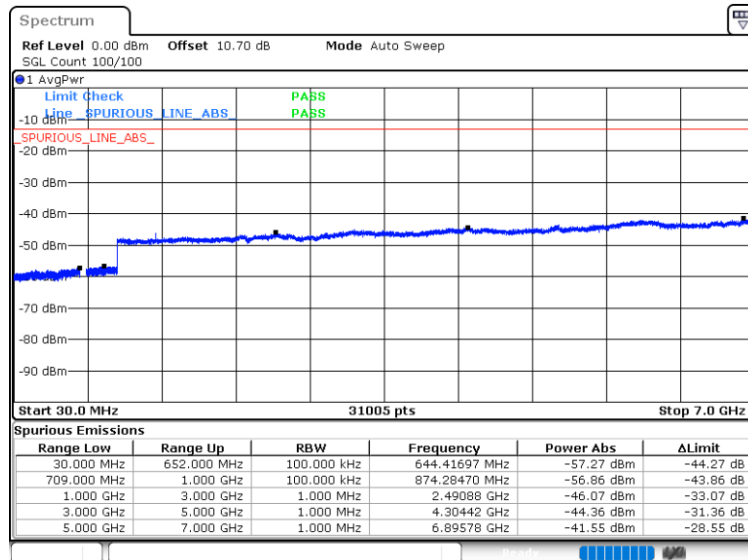
Date: 3.AUG.2023 16:32:03

Middle Channel / QPSK



Date: 3.AUG.2023 16:33:11

Highest Channel / QPSK



Date: 3.AUG.2023 16:34:18

Frequency Stability

Test Conditions		4G-LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0122	
30	Normal Voltage	0.0065	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0118	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0115	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0112	
20	Maximum Voltage	0.0140	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0037	

Note:

1. Normal Voltage = 48 V. ; Minimum Voltage = 42.5 V. ; Maximum Voltage = 57 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Ant. 0>

4G-LTE Band 12

4G-LTE Band 12 / 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	1399	-65.54	-13	-52.54	-69.24	-69.69	0.90	7.19	H
	2098	-65.88	-13	-52.88	-71.49	-71.96	0.98	9.21	H
	2797	-64.45	-13	-51.45	-72.45	-71.57	1.13	10.40	H
									H
									H
									H
	1399	-66.85	-13	-53.85	-69.73	-71.00	0.90	7.19	V
	2098	-65.58	-13	-52.58	-71.40	-71.66	0.98	9.21	V
	2797	-64.92	-13	-51.92	-72.50	-72.04	1.13	10.40	V
									V
									V
									V
Middle	1411	-65.70	-13	-52.70	-69.38	-69.91	0.90	7.27	H
	2116	-65.63	-13	-52.63	-71.38	-71.73	0.98	9.23	H
	2821	-63.33	-13	-50.33	-71.47	-70.53	1.13	10.48	H
									H
									H
									H
	1411	-66.74	-13	-53.74	-69.66	-70.95	0.90	7.27	V
	2116	-65.45	-13	-52.45	-71.42	-71.55	0.98	9.23	V
	2821	-63.84	-13	-50.84	-71.55	-71.04	1.13	10.48	V
									V
									V
									V



Highest	1423	-66.11	-13	-53.11	-69.81	-70.39	0.91	7.34	H
	2134	-65.89	-13	-52.89	-71.77	-72.02	0.99	9.27	H
	2845	-63.46	-13	-50.46	-71.76	-70.75	1.14	10.58	H
									H
									H
									H
	1423	-67.21	-13	-54.21	-70.21	-71.49	0.91	7.34	V
	2134	-65.28	-13	-52.28	-71.40	-71.41	0.99	9.27	V
	2845	-63.90	-13	-50.90	-71.76	-71.19	1.14	10.58	V
									V
									V
									V

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

**4G-LTE Band 13**

4G-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	-66.95	-13	-53.95	-70.83	-72.35	0.95	8.50	H
	2332	-65.12	-13	-52.12	-71.40	-72.27	1.03	10.33	H
	3109	-61.91	-13	-48.91	-71.65	-68.81	1.15	10.20	H
									H
									H
									H
	1555	-67.54	-13	-54.54	-71.07	-72.94	0.95	8.50	V
	2332	-64.76	-13	-51.76	-71.28	-71.91	1.03	10.33	V
	3109	-62.11	-13	-49.11	-71.46	-69.01	1.15	10.20	V
									V
									V
									V
Middle	1560	-59.73	-42.15	-17.58	-63.62	-65.13	0.95	8.50	H
	2340	-49.27	-13	-36.27	-55.54	-56.45	1.03	10.36	H
	3119	-61.79	-13	-48.79	-71.56	-68.69	1.15	10.20	H
									H
									H
									H
	1560	-67.18	-42.15	-25.03	-70.71	-72.58	0.95	8.50	V
	2340	-64.86	-13	-51.86	-71.36	-72.04	1.03	10.36	V
	3119	-61.95	-13	-48.95	-71.34	-68.85	1.15	10.20	V
									V
									V
									V



Highest	1565	-67.14	-42.15	-24.99	-71.04	-72.54	0.95	8.50	H
	2347	-64.83	-13	-51.83	-71.10	-72.04	1.03	10.39	H
	3129	-62.10	-13	-49.10	-71.91	-69.01	1.14	10.20	H
									H
									H
									H
	1565	-66.93	-42.15	-24.78	-70.47	-72.33	0.95	8.50	V
	2347	-64.45	-13	-51.45	-70.95	-71.66	1.03	10.39	V
	3129	-62.44	-13	-49.44	-71.88	-69.35	1.14	10.20	V
									V
									V
									V

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

**4G-LTE Band 26**

4G-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	-66.50	-13	-53.50	-70.37	-72.39	0.95	8.99	H
	2474	-65.43	-13	-52.43	-72.01	-72.37	1.05	10.15	H
	3298	-62.93	-13	-49.93	-72.83	-70.66	1.11	10.99	H
									H
									H
									H
	1649	-66.94	-13	-53.94	-70.54	-72.83	0.95	8.99	V
	2474	-65.01	-13	-52.01	-72.01	-71.95	1.05	10.15	V
	3298	-63.31	-13	-50.31	-73.06	-71.04	1.11	10.99	V
									V
									V
									V
Middle	1664	-66.30	-13	-53.30	-70.14	-72.36	0.95	9.17	H
	2496	-64.73	-13	-51.73	-71.42	-71.71	1.06	10.19	H
	3328	-62.07	-13	-49.07	-71.93	-69.87	1.10	11.06	H
									H
									H
									H
	1664	-66.52	-13	-53.52	-70.12	-72.58	0.95	9.17	V
	2496	-64.37	-13	-51.37	-71.54	-71.35	1.06	10.19	V
	3328	-62.39	-13	-49.39	-72.14	-70.19	1.10	11.06	V
									V
									V
									V



Highest	1679	-66.55	-13	-53.55	-70.35	-72.79	0.95	9.35	H
	2519	-64.24	-13	-51.24	-71.13	-71.26	1.06	10.24	H
	3358	-62.48	-13	-49.48	-72.29	-70.35	1.10	11.12	H
									H
									H
									H
	1679	-67.12	-13	-54.12	-70.72	-73.36	0.95	9.35	V
	2519	-64.23	-13	-51.23	-71.49	-71.25	1.06	10.24	V
	3358	-62.57	-13	-49.57	-72.31	-70.44	1.10	11.12	V
									V
									V
									V

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

**4G-LTE Band 71**

4G-LTE Band 71 / 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	1327	-66.29	-13	-53.29	-70.91	-70.00	0.86	6.72	H
	1990	-51.26	-13	-38.26	-56.08	-57.81	0.96	9.66	H
	2654	-63.58	-13	-50.58	-71.35	-70.54	1.09	10.21	H
									H
									H
									H
	1327	-67.28	-13	-54.28	-71.00	-70.99	0.86	6.72	V
	1990	-52.86	-13	-39.86	-57.83	-59.41	0.96	9.66	V
	2654	-63.59	-13	-50.59	-71.15	-70.55	1.09	10.21	V
									V
									V
									V
Middle	1347	-66.08	-13	-53.08	-70.44	-69.94	0.87	6.88	H
	2020	-54.48	-13	-41.48	-59.52	-60.89	0.96	9.52	H
	2694	-63.72	-13	-50.72	-71.56	-70.76	1.10	10.29	H
									H
									H
									H
	1347	-66.96	-13	-53.96	-70.45	-70.82	0.87	6.88	V
	2020	-56.76	-13	-43.76	-61.96	-63.17	0.96	9.52	V
	2694	-63.95	-13	-50.95	-71.52	-70.99	1.10	10.29	V
									V
									V
									V



Highest	1377	-65.29	-13	-52.29	-69.26	-69.32	0.88	7.06	H
	2065	-65.10	-13	-52.10	-70.48	-71.32	0.97	9.34	H
	2754	-64.34	-13	-51.34	-72.27	-71.47	1.12	10.40	H
									H
									H
									H
	1377	-66.52	-13	-53.52	-69.65	-70.55	0.88	7.06	V
	2065	-65.13	-13	-52.13	-70.70	-71.35	0.97	9.34	V
	2754	-64.99	-13	-51.99	-72.57	-72.12	1.12	10.40	V
									V
									V
									V

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



<Ant. 12>

4G-LTE Band 41 (PC2)

4G-LTE Band 41 (PC2) / 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	4993	-59.62	-13	-46.62	-53.84	-69.03	1.52	10.93	H
	7489	-56.86	-13	-43.86	-56.09	-66.18	1.94	11.26	H
	17476	-47.14	-13	-34.14	-55.16	-59.77	3.39	16.02	H
									H
									H
									H
	4993	-59.30	-13	-46.3	-53.27	-68.71	1.52	10.93	V
	7489	-57.98	-13	-44.98	-57.2	-67.30	1.94	11.26	V
	17476	-49.42	-13	-36.42	-57.93	-62.05	3.39	16.02	V
									V
									V
									V
Middle	5177	-54.90	-13	-41.9	-49.81	-64.70	1.56	11.35	H
	7765	-58.37	-13	-45.37	-57.88	-67.59	1.95	11.17	H
	10354	-58.67	-13	-45.67	-62.91	-68.12	2.35	11.80	H
									H
									H
									H
	5177	-53.13	-13	-40.13	-47.95	-62.93	1.56	11.35	V
	7765	-60.44	-13	-47.44	-59.77	-69.66	1.95	11.17	V
	10354	-59.61	-13	-46.61	-62.88	-69.06	2.35	11.80	V
									V
									V
									V



Highest	5361	-56.82	-13	-43.82	-52.71	-67.13	1.59	11.90	H
	8041	-54.98	-13	-41.98	-56.04	-64.12	1.96	11.10	H
	16083	-44.42	-13	-31.42	-51.75	-57.55	3.09	16.22	H
									H
									H
									H
	5361	-55.93	-13	-42.93	-51.66	-66.24	1.59	11.90	V
	8041	-55.34	-13	-42.34	-56.55	-64.48	1.96	11.10	V
	16083	-41.59	-13	-28.59	-48.72	-54.72	3.09	16.22	V
									V
									V
									V

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

**4G-LTE CA Band 41C (PC2)**

4G-LTE CA Band 41C (PC2) / 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	5032	-53.38	-13	-40.38	-47.74	-62.75	1.53	10.90	H
	7548	-57.90	-13	-44.9	-57.14	-67.55	1.94	11.59	H
	10064	-59.52	-13	-46.52	-63.33	-68.92	2.33	11.74	H
	12580	-57.77	-13	-44.77	-63.7	-68.10	2.59	12.92	H
	15095	-58.51	-13	-45.51	-65.72	-69.45	3.24	14.18	H
	17611	-52.52	-13	-39.52	-61.47	-64.66	3.40	15.53	H
	5032	-50.42	-13	-37.42	-44.55	-59.79	1.53	10.90	V
	7548	-60.60	-13	-47.6	-59.67	-70.25	1.94	11.59	V
	10064	-60.24	-13	-47.24	-63.23	-69.64	2.33	11.74	V
	12580	-58.95	-13	-45.95	-63.93	-69.28	2.59	12.92	V
	15095	-59.16	-13	-46.16	-66.01	-70.10	3.24	14.18	V
	17611	-51.95	-13	-38.95	-61.29	-64.09	3.40	15.53	V
Middle	5186	-52.93	-13	-39.93	-47.88	-62.74	1.56	11.37	H
	7779	-60.34	-13	-47.34	-59.87	-69.54	1.95	11.14	H
	10372	-58.92	-13	-45.92	-63.18	-68.37	2.35	11.80	H
									H
									H
									H
	5186	-52.59	-13	-39.59	-47.46	-62.40	1.56	11.37	V
	7779	-60.02	-13	-47.02	-59.38	-69.22	1.95	11.14	V
	10372	-60.06	-13	-47.06	-63.35	-69.51	2.35	11.80	V
									V
									V
									V



Highest	5340	-55.60	-13	-42.6	-51.38	-65.85	1.59	11.84	H
	8010	-55.73	-13	-42.73	-56.85	-64.88	1.95	11.10	H
	10680	-59.69	-13	-46.69	-64.39	-68.91	2.38	11.60	H
	13351	-56.54	-13	-43.54	-63.21	-66.32	2.72	12.50	H
	16021	-49.78	-13	-36.78	-57.19	-63.01	3.04	16.28	H
									H
	5340	-53.64	-13	-40.64	-49.26	-63.89	1.59	11.84	V
	8010	-54.20	-13	-41.2	-55.48	-63.35	1.95	11.10	V
	10680	-60.43	-13	-47.43	-64.2	-69.65	2.38	11.60	V
	13351	-57.52	-13	-44.52	-63.09	-67.30	2.72	12.50	V
	16021	-48.89	-13	-35.89	-56.04	-62.12	3.04	16.28	V
									V

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



<Ant. 13>

4G-LTE Band 25

4G-LTE Band 25 / 10MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3701	-43.55	-13	-30.55	-54.06	-54.02	1.23	11.70	H
	5551	-46.50	-13	-33.50	-61.43	-56.87	1.63	12.00	H
	7402	-32.18	-13	-19.18	-51.16	-41.16	1.93	10.91	H
									H
									H
									H
	3701	-48.98	-13	-35.98	-59.3	-59.45	1.23	11.70	V
	5551	-45.24	-13	-32.24	-60.02	-55.61	1.63	12.00	V
	7402	-35.07	-13	-22.07	-54.07	-44.05	1.93	10.91	V
									V
									V
									V
Middle	3751	-42.51	-13	-29.51	-53.02	-52.74	1.27	11.49	H
	5626	-43.75	-13	-30.75	-58.79	-54.16	1.64	12.05	H
	7502	-27.64	-13	-14.64	-46.75	-37.01	1.94	11.31	H
									H
									H
									H
	3751	-49.00	-13	-36.00	-59.31	-59.23	1.27	11.49	V
	5626	-42.68	-13	-29.68	-57.53	-53.09	1.64	12.05	V
	7502	-29.39	-13	-16.39	-48.47	-38.76	1.94	11.31	V
									V
									V
									V



Highest	3811	-39.57	-13	-26.57	-50.16	-49.39	1.31	11.13	H
	5716	-39.58	-13	-26.58	-54.87	-49.56	1.65	11.64	H
	7622	-27.50	-13	-14.50	-46.47	-36.97	1.94	11.41	H
									H
									H
									H
	3811	-45.99	-13	-32.99	-56.37	-55.81	1.31	11.13	V
	5716	-39.54	-13	-26.54	-54.82	-49.52	1.65	11.64	V
	7622	-30.82	-13	-17.82	-49.49	-40.29	1.94	11.41	V
									V
									V
									V

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

**4G-LTE Band 66**

4G-LTE Band 66 / 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	3421	-54.03	-13	-41.03	-64.63	-64.19	1.09	11.24	H
	5131	-50.24	-13	-37.24	-64.52	-59.96	1.55	11.26	H
	6842	-51.22	-13	-38.22	-69.17	-60.36	1.84	10.98	H
									H
									H
									H
	3421	-56.65	-13	-43.65	-67.19	-66.81	1.09	11.24	V
	5131	-53.42	-13	-40.42	-67.56	-63.14	1.55	11.26	V
	6842	-52.08	-13	-39.08	-70.44	-61.22	1.84	10.98	V
									V
									V
									V
Middle	3456	-53.77	-13	-40.77	-64.47	-64.00	1.08	11.31	H
	5184	-50.62	-13	-37.62	-65.04	-60.43	1.56	11.37	H
	6912	-51.97	-13	-38.97	-69.67	-61.19	1.86	11.08	H
									H
									H
									H
	3456	-56.07	-13	-43.07	-66.62	-66.30	1.08	11.31	V
	5184	-51.48	-13	-38.48	-65.82	-61.29	1.56	11.37	V
	6912	-52.44	-13	-39.44	-70.6	-61.66	1.86	11.08	V
									V
									V
									V



Highest	3491	-51.56	-13	-38.56	-62.36	-61.87	1.07	11.38	H
	5236	-52.17	-13	-39.17	-66.8	-62.00	1.57	11.40	H
	6982	-52.37	-13	-39.37	-69.84	-61.57	1.87	11.06	H
									H
									H
									H
	3491	-54.38	-13	-41.38	-64.94	-64.69	1.07	11.38	V
	5236	-49.74	-13	-36.74	-64.27	-59.57	1.57	11.40	V
	6982	-50.94	-13	-37.94	-68.91	-60.14	1.87	11.06	V
									V
									V
									V

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



<Ant. 0 + Ant. 12>

4G-LTE CA 12A 66A

4G-LTE CA 12A 66A / 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	3455	-59.16	-13	-46.16	-69.86	-69.39	1.08	11.31	H
	5184	-58.85	-13	-45.85	-73.27	-68.66	1.56	11.37	H
	6912	-56.60	-13	-43.60	-74.3	-65.82	1.86	11.08	H
									H
									H
									H
	3455	-56.79	-13	-43.79	-67.34	-67.02	1.08	11.31	V
	5184	-59.19	-13	-46.19	-73.53	-69.00	1.56	11.37	V
	6912	-55.74	-13	-42.74	-73.9	-64.96	1.86	11.08	V
									V
									V
									V

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



<Ant. 1 + Ant. 13>

4G-LTE CA 5A 66A

4G-LTE CA 5A_66A / 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	3455	-54.43	-13	-41.43	-65.13	-64.66	1.08	11.31	H
	5184	-50.15	-13	-37.15	-64.57	-59.96	1.56	11.37	H
	6912	-56.37	-13	-43.37	-74.07	-65.59	1.86	11.08	H
									H
									H
									H
	3455	-58.49	-13	-45.49	-69.04	-68.72	1.08	11.31	V
	5184	-50.48	-13	-37.48	-64.82	-60.29	1.56	11.37	V
	6912	-55.63	-13	-42.63	-73.79	-64.85	1.86	11.08	V
									V
									V
									V

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



<Ant. 12 + Ant. 0>

4G-LTE CA 2A 12A

4G-LTE CA 2A 12A / 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	1408	-47.22	-13	-34.22	-70.61	-51.42	0.90	7.25	H
	2109	-45.87	-13	-32.87	-71.28	-51.96	0.98	9.22	H
	2812	-43.94	-13	-30.94	-71.73	-51.11	1.13	10.45	H
									H
									H
									H
	1408	-46.90	-13	-33.90	-69.51	-51.10	0.90	7.25	V
	2109	-45.56	-13	-32.56	-71.19	-51.65	0.98	9.22	V
	2812	-44.35	-13	-31.35	-71.72	-51.52	1.13	10.45	V
									V
									V
									V

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

**4G-LTE CA 4A 12A**

4G-LTE CA 4A 12A / 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	1408	-46.21	-13	-33.21	-70.61	-50.41	0.90	7.25	H
	2109	-44.64	-13	-31.64	-71.05	-50.73	0.98	9.22	H
	2812	-42.95	-13	-29.95	-71.74	-50.12	1.13	10.45	H
									H
									H
									H
	1408	-46.89	-13	-33.89	-70.52	-51.09	0.90	7.25	V
	2109	-44.70	-13	-31.70	-71.33	-50.79	0.98	9.22	V
	2812	-43.16	-13	-30.16	-71.53	-50.33	1.13	10.45	V
									V
									V
									V

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



<Ant. 13 + Ant. 1>

4G-LTE CA 2A 5A

4G-LTE CA 2A 5A / 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	1652.4	-45.64	-13	-32.64	-70.21	-51.56	0.95	9.02	H
	2473	-43.13	-13	-30.13	-70.42	-50.07	1.05	10.15	H
	3298	-40.10	-13	-27.10	-70.71	-47.83	1.11	10.99	H
									H
									H
									H
	1652.4	-45.57	-13	-32.57	-70.21	-51.49	0.95	9.02	V
	2473	-42.72	-13	-29.72	-70.42	-49.66	1.05	10.15	V
	3298	-40.09	-13	-27.09	-70.71	-47.82	1.11	10.99	V
									V
									V
									V
Middle	1660.2	-45.62	-13	-32.62	-70.18	-51.64	0.95	9.12	H
	2496	-42.94	-13	-29.94	-70.34	-49.92	1.06	10.19	H
	3328	-39.75	-13	-26.75	-70.32	-47.55	1.10	11.06	H
									H
									H
									H
	1660.2	-45.73	-13	-32.73	-70.04	-51.75	0.95	9.12	V
	2496	-42.69	-13	-29.69	-70.57	-49.67	1.06	10.19	V
	3328	-40.20	-13	-27.20	-70.66	-48.00	1.10	11.06	V
									V
									V
									V



Highest	1675.8	-45.36	-13	-32.36	-69.89	-51.56	0.95	9.30	H
	2518	-42.73	-13	-29.73	-70.32	-49.75	1.06	10.24	H
	3358	-40.03	-13	-27.03	-70.55	-47.90	1.10	11.12	H
									H
									H
									H
	1675.8	-45.74	-13	-32.74	-70.05	-51.94	0.95	9.30	V
	2518	-42.61	-13	-29.61	-70.58	-49.63	1.06	10.24	V
	3358	-40.20	-13	-27.20	-70.65	-48.07	1.10	11.12	V
									V
									V
									V

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

**4G-LTE CA 4A 5A**

4G-LTE CA 4A 5A / 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	1660.2	-45.53	-13	-32.53	-70.09	-51.55	0.95	9.12	H
	2496	-43.10	-13	-30.10	-70.5	-50.08	1.06	10.19	H
	3328	-40.23	-13	-27.23	-70.8	-48.03	1.10	11.06	H
									H
									H
									H
	1660.2	-45.87	-13	-32.87	-70.18	-51.89	0.95	9.12	V
	2496	-42.85	-13	-29.85	-70.73	-49.83	1.06	10.19	V
	3328	-39.97	-13	-26.97	-70.43	-47.77	1.10	11.06	V
									V
									V
									V

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



<Ant. 13 + Ant. 12>

4G-LTE CA 2A 66A

4G-LTE CA 2A 66A / 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	3421	-57.95	-13	-44.95	-68.55	-68.11	1.09	11.24	H
	5131	-58.84	-13	-45.84	-73.12	-68.56	1.55	11.26	H
	6842	-55.70	-13	-42.70	-73.65	-64.84	1.84	10.98	H
									H
									H
									H
	3421	-58.70	-13	-45.70	-69.24	-68.86	1.09	11.24	V
	5131	-59.53	-13	-46.53	-73.67	-69.25	1.55	11.26	V
	6842	-56.13	-13	-43.13	-74.49	-65.27	1.84	10.98	V
									V
									V
									V
Middle	3456	-55.86	-13	-42.86	-66.56	-66.09	1.08	11.31	H
	5184	-58.79	-13	-45.79	-73.21	-68.60	1.56	11.37	H
	6912	-56.20	-13	-43.20	-73.9	-65.42	1.86	11.08	H
									H
									H
									H
	3456	-54.96	-13	-41.96	-65.51	-65.19	1.08	11.31	V
	5184	-59.38	-13	-46.38	-73.72	-69.19	1.56	11.37	V
	6912	-55.54	-13	-42.54	-73.7	-64.76	1.86	11.08	V
									V
									V
									V



Highest	3491	-54.34	-13	-41.34	-65.14	-64.65	1.07	11.38	H
	5236	-59.50	-13	-46.50	-74.53	-69.33	1.57	11.40	H
	6982	-55.03	-13	-42.03	-72.5	-64.23	1.87	11.06	H
									H
									H
									H
	3491	-52.14	-13	-39.14	-62.7	-62.45	1.07	11.38	V
	5236	-59.51	-13	-46.51	-74.39	-69.34	1.57	11.40	V
	6982	-54.50	-13	-41.50	-72.47	-63.70	1.87	11.06	V
									V
									V
									V

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