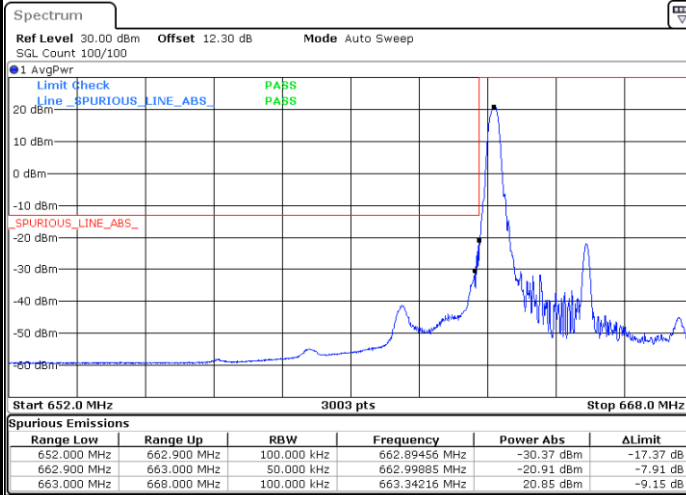




Conducted Band Edge

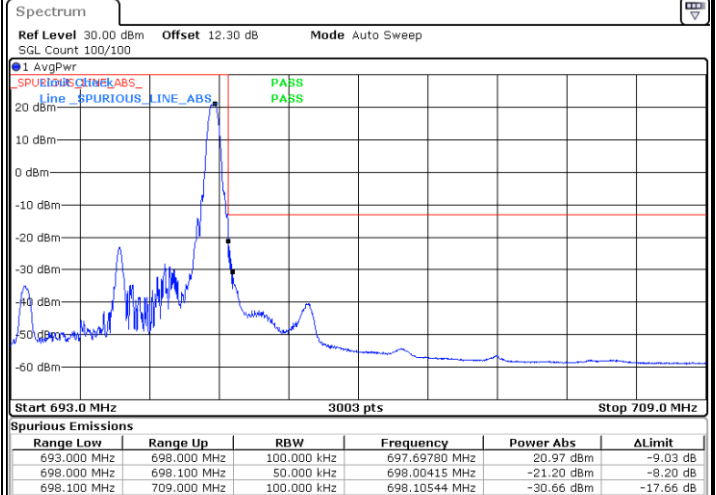
LTE Band 71 / 5MHz / QPSK

Lowest Band Edge / 1 RB



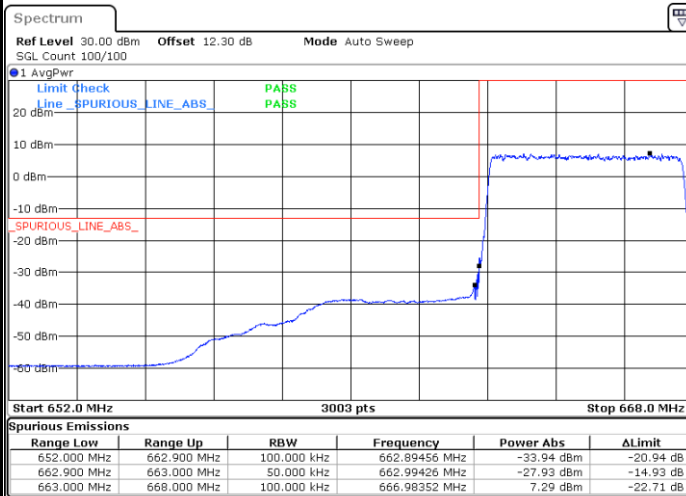
Date: 10.MAR.2023 13:37:50

Highest Band Edge / 1 RB



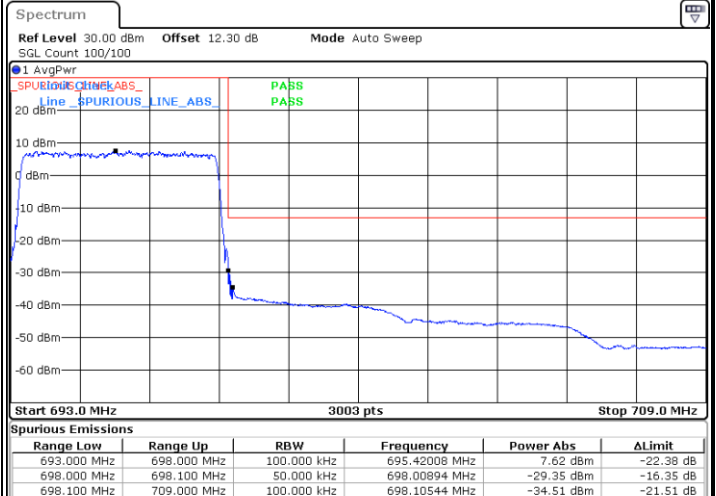
Date: 10.MAR.2023 13:46:02

Lowest Band Edge / Full RB



Date: 10.MAR.2023 13:40:17

Highest Band Edge / Full RB

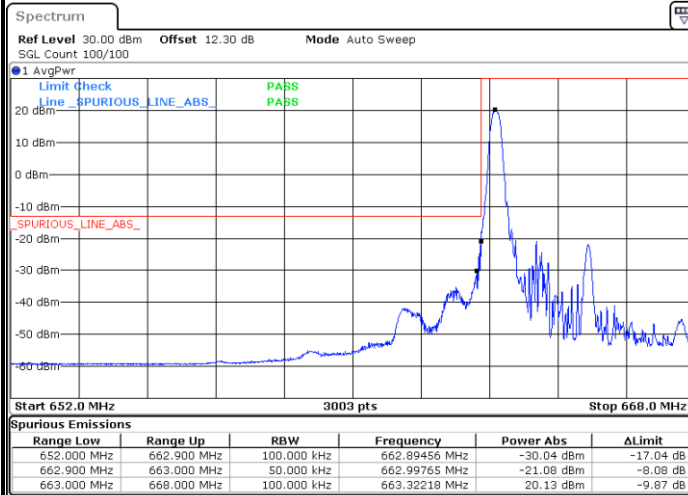


Date: 10.MAR.2023 13:48:29

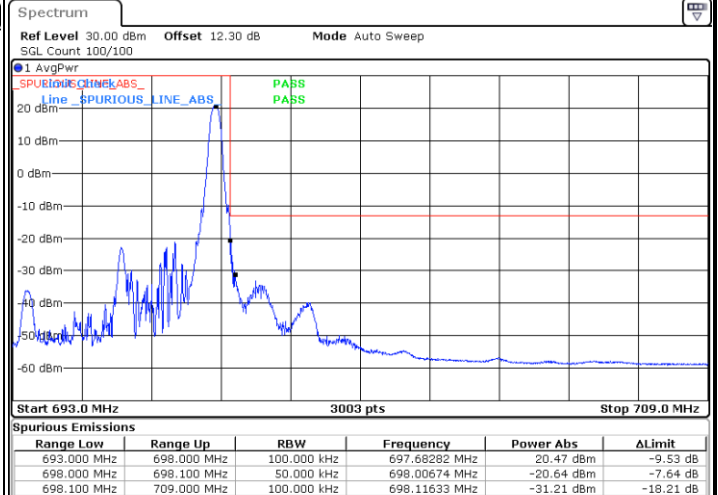


LTE Band 71 / 5MHz / 16QAM

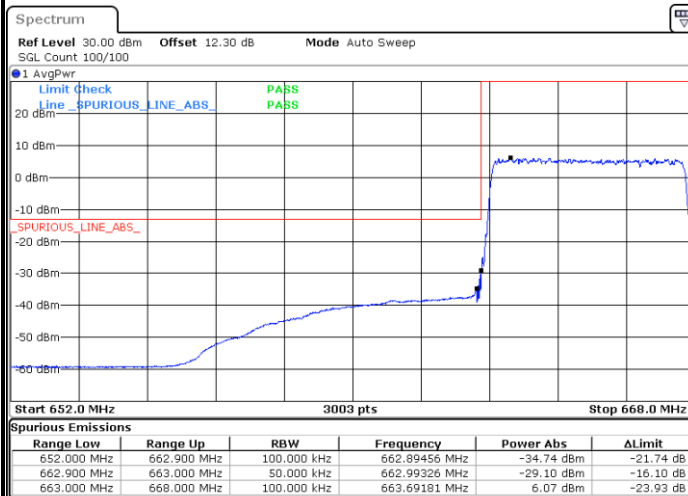
Lowest Band Edge / 1RB



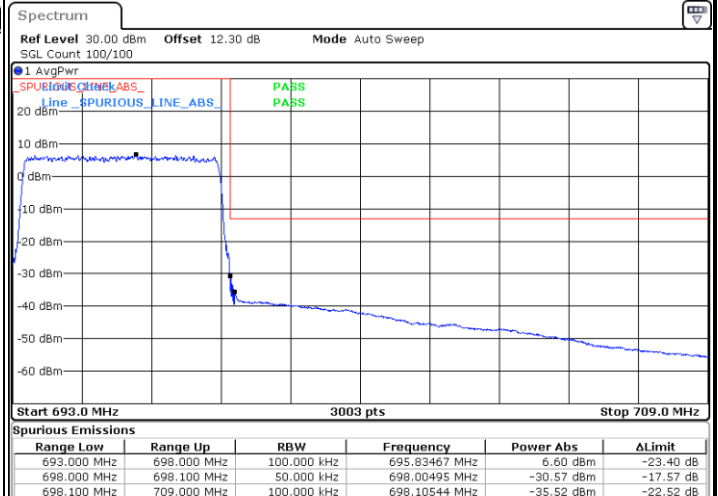
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

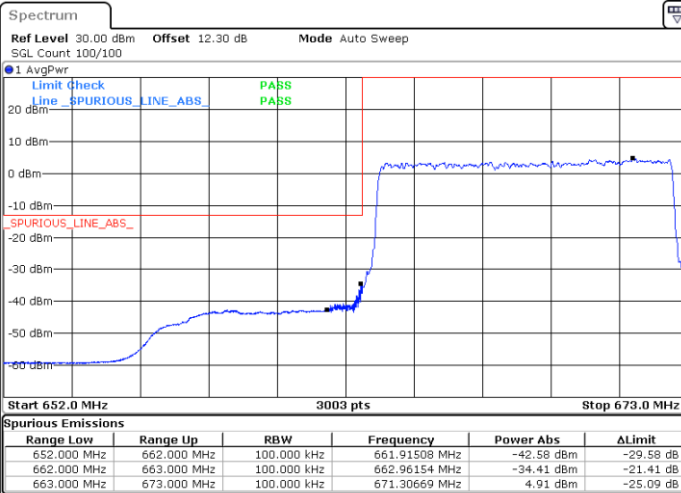




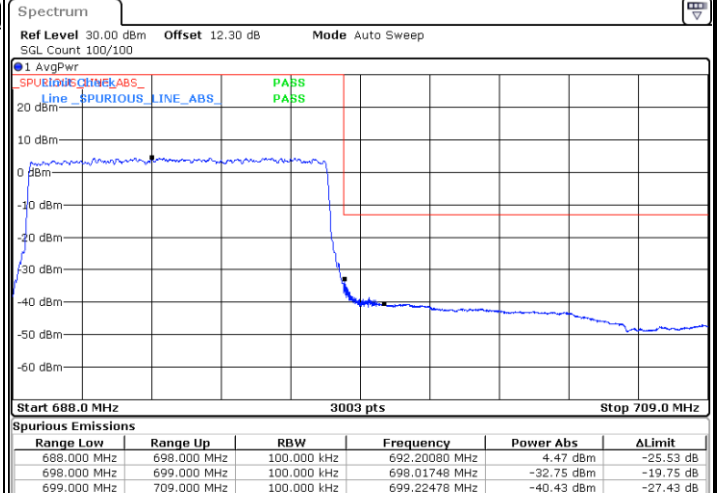
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.MAR.2023 13:51:50

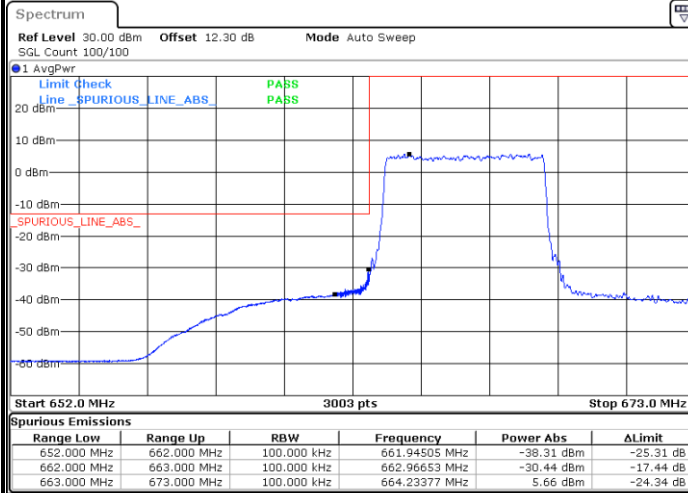


Date: 10.MAR.2023 13:55:51

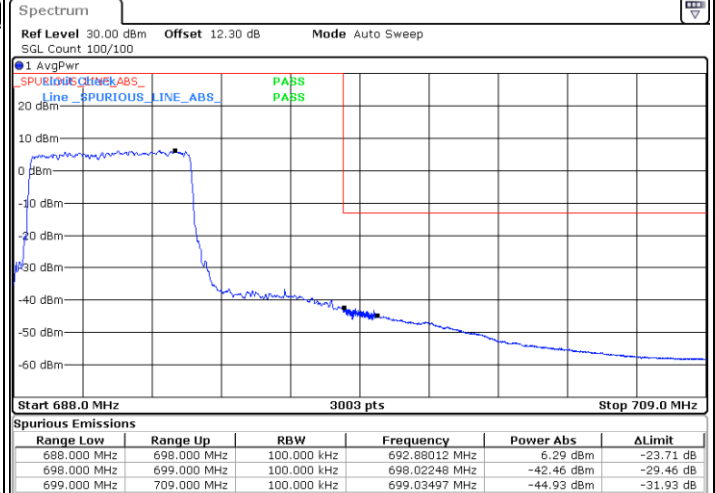


LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / 27 RB0



Highest Band Edge / 27RB0

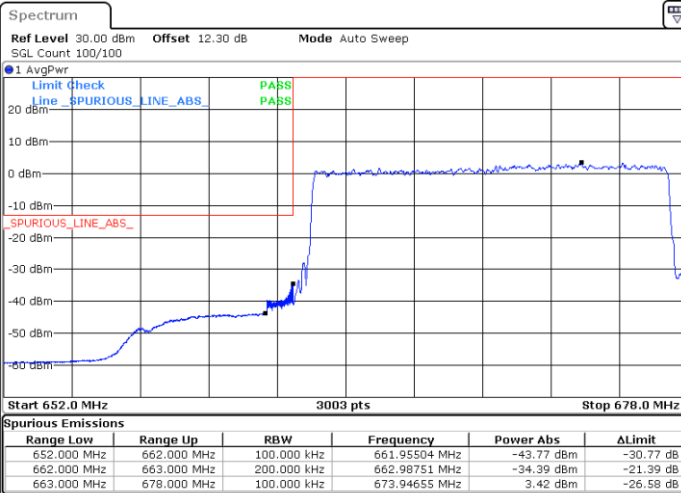




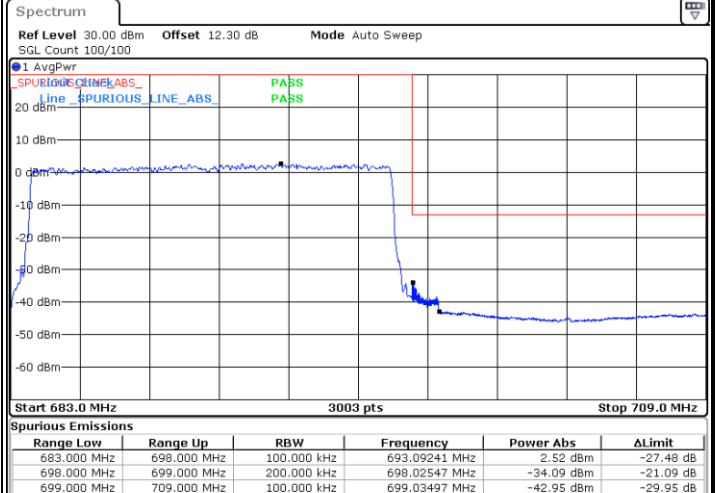
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.MAR.2023 13:58:18



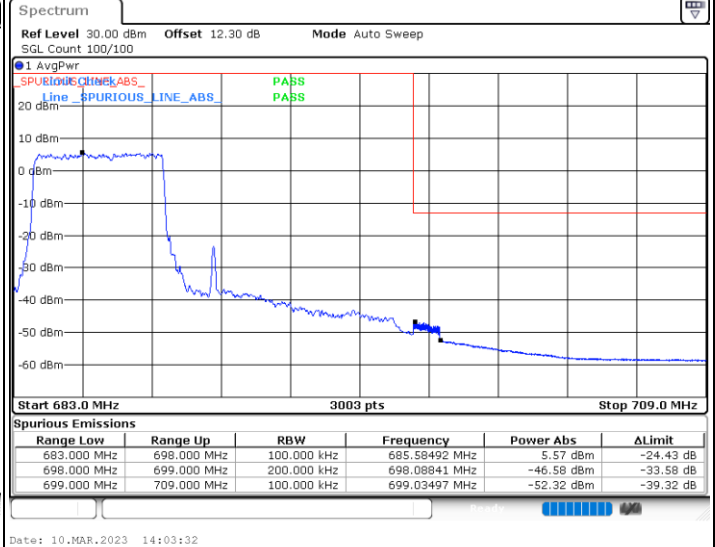
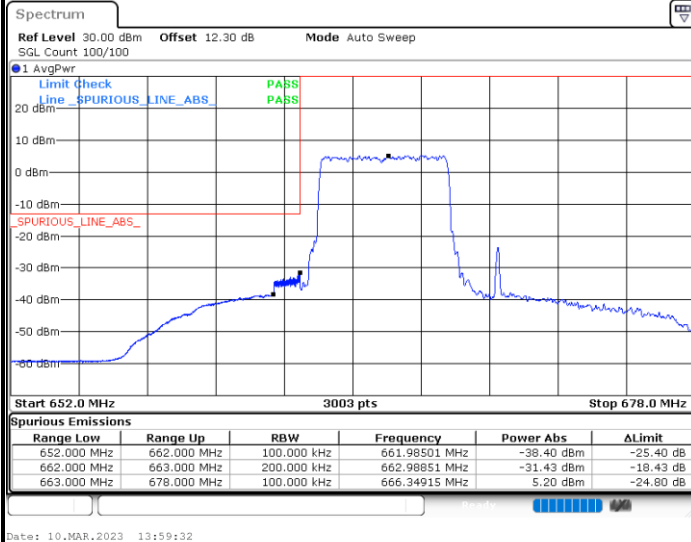
Date: 10.MAR.2023 14:02:19



LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / 27 RB0

Highest Band Edge / 27 RB0

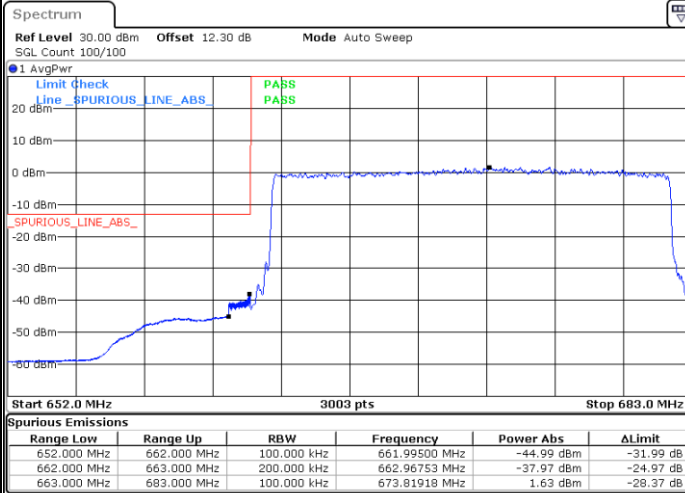




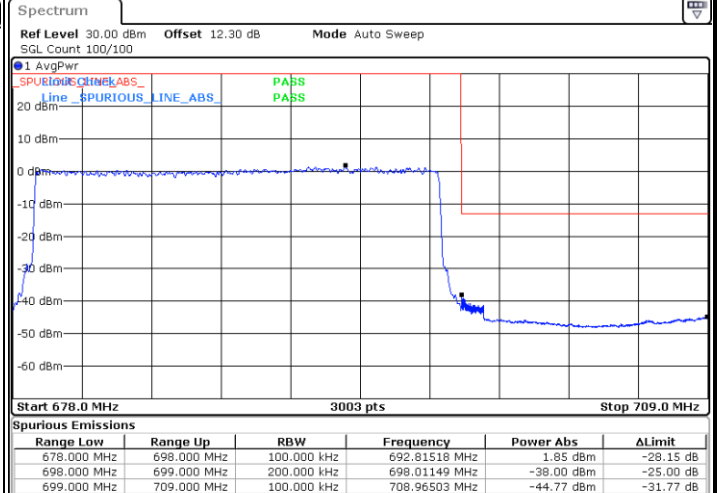
LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.MAR.2023 14:04:47

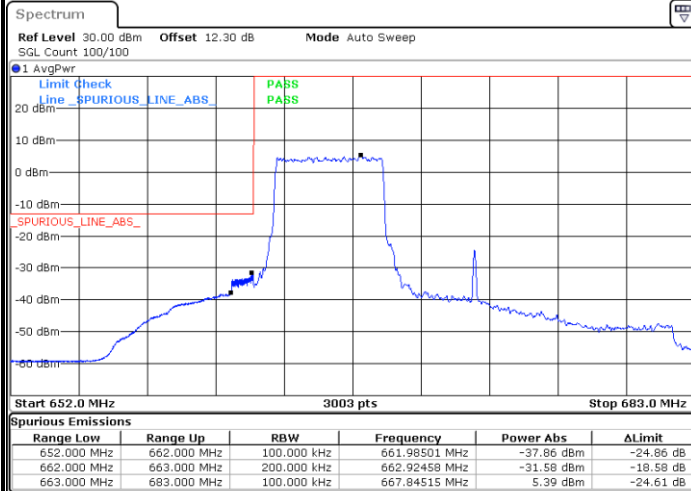


Date: 10.MAR.2023 14:10:01



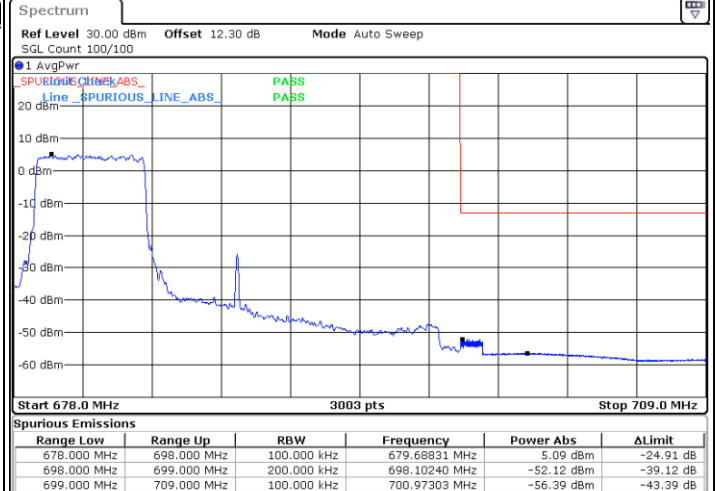
LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / 27 RB0



Date: 10.MAR.2023 14:06:00

Highest Band Edge / 27 RB0



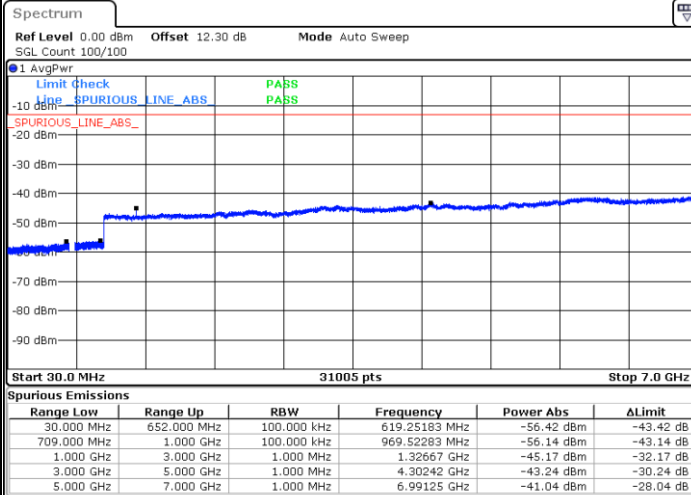
Date: 10.MAR.2023 14:08:48



Conducted Spurious Emission

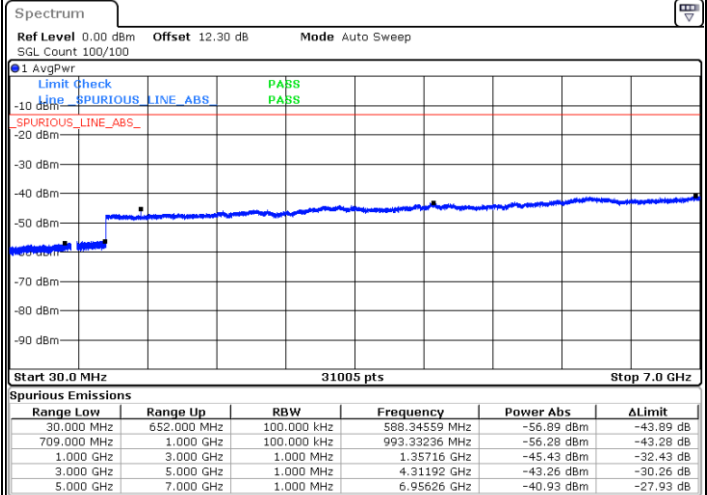
LTE Band 71 / 5MHz

Lowest Channel / QPSK



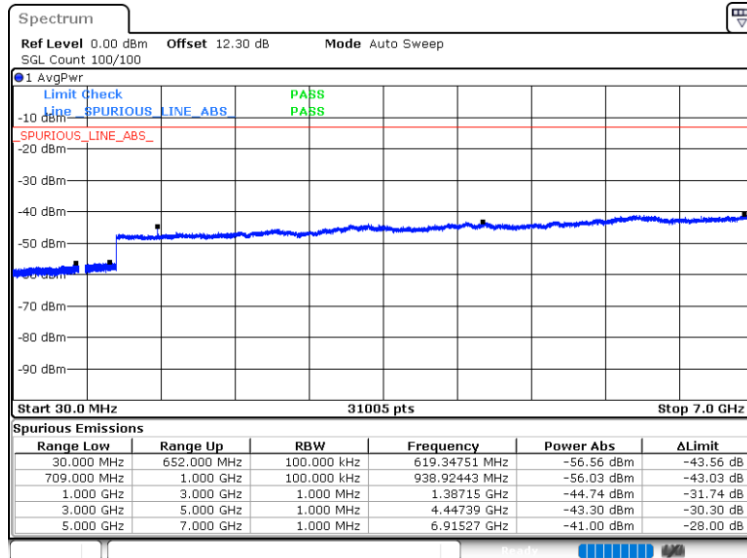
Date: 10.MAR.2023 13:42:23

Middle Channel / QPSK



Date: 10.MAR.2023 13:44:49

Highest Channel / QPSK

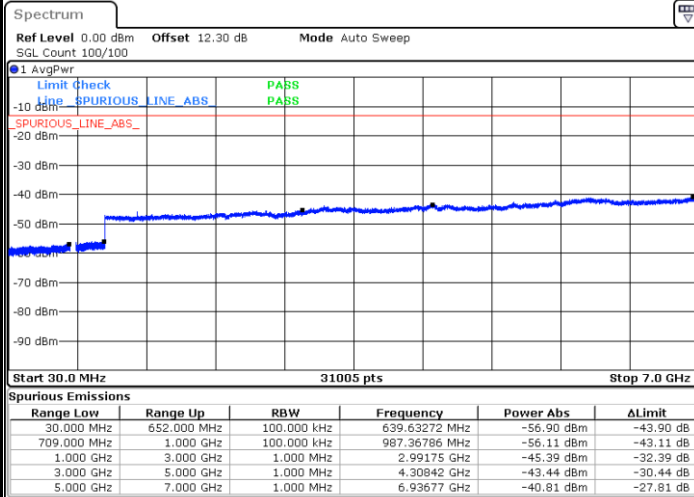


Date: 10.MAR.2023 13:50:35



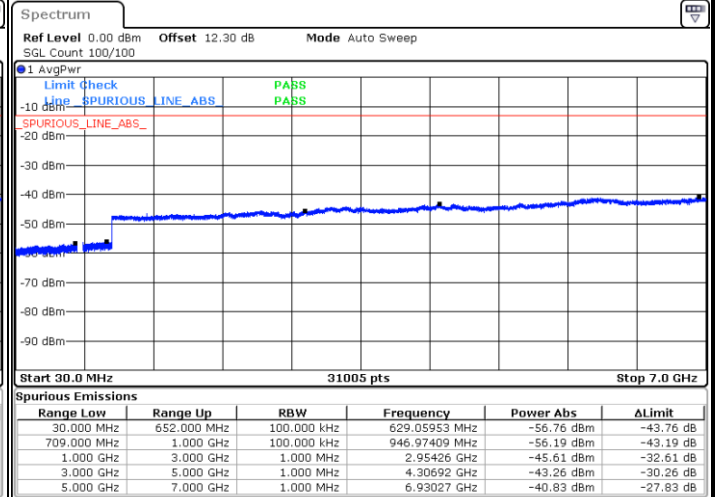
LTE Band 71 / 10MHz

Lowest Channel / QPSK



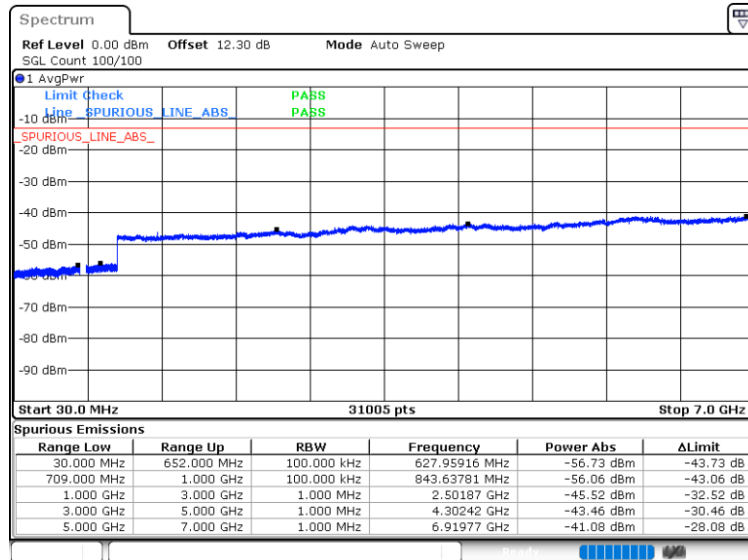
Date: 10.MAR.2023 14:11:45

Middle Channel / QPSK



Date: 10.MAR.2023 14:12:37

Highest Channel / QPSK

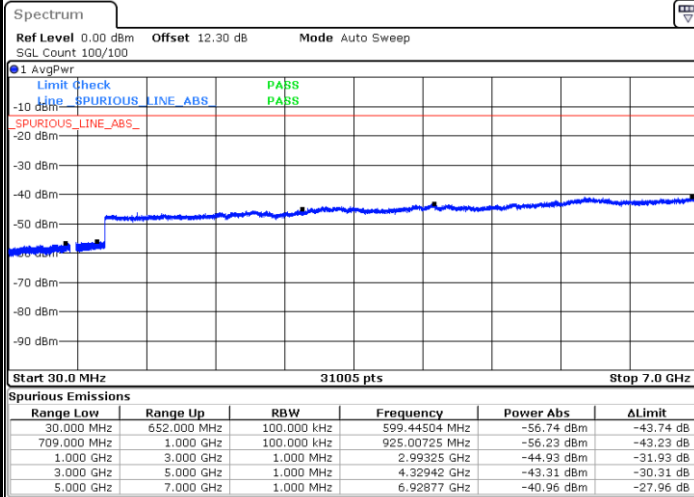


Date: 10.MAR.2023 14:13:29



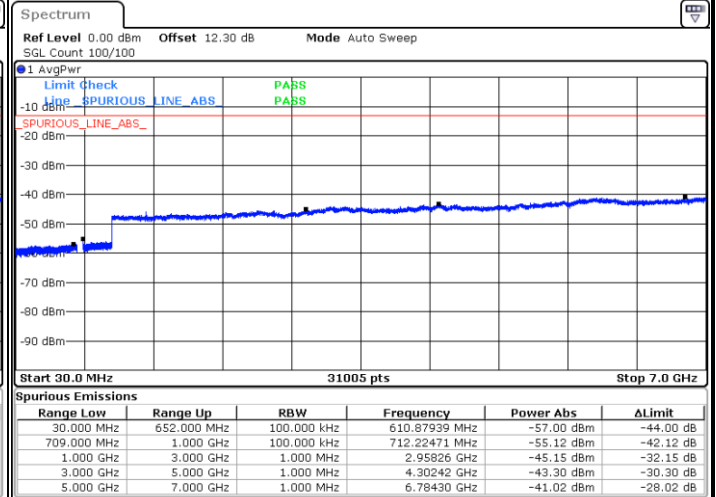
LTE Band 71 / 15MHz

Lowest Channel / QPSK



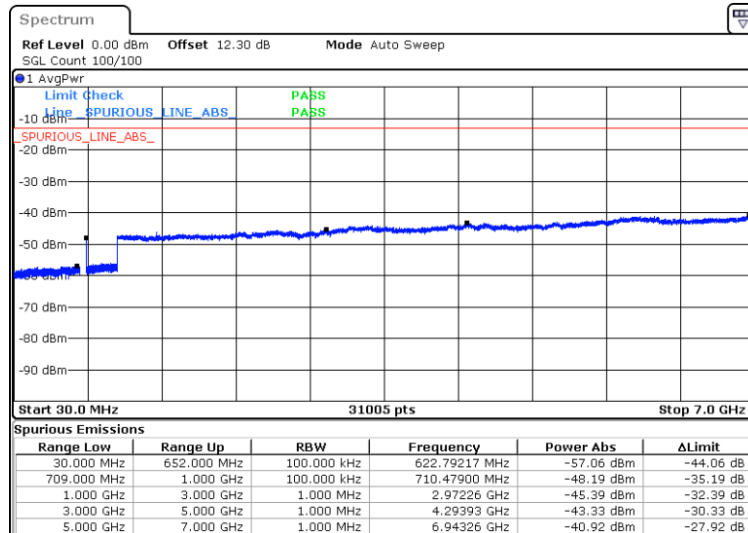
Date: 10.MAR.2023 14:14:22

Middle Channel / QPSK



Date: 10.MAR.2023 14:15:15

Highest Channel / QPSK

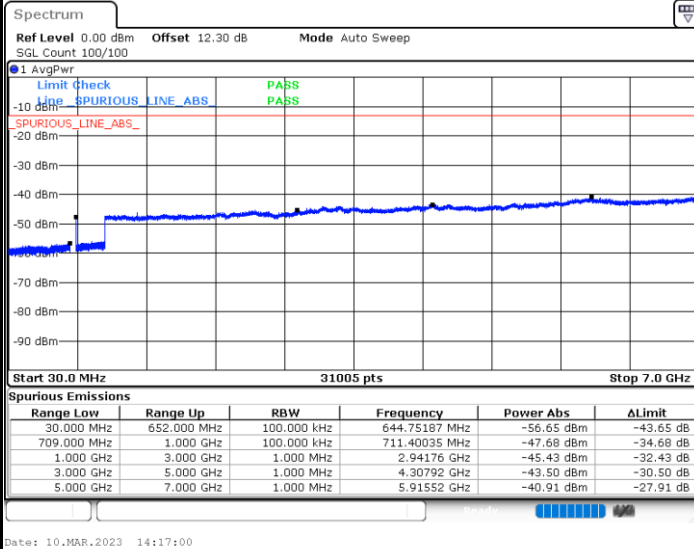


Date: 10.MAR.2023 14:16:07

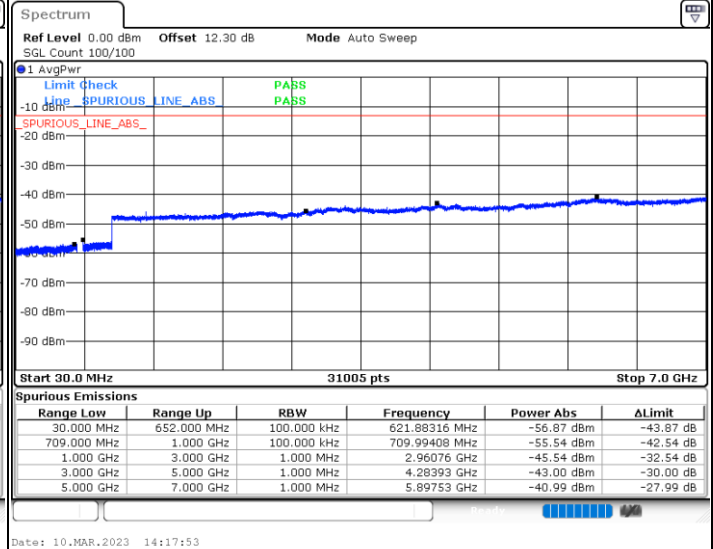


LTE Band 71 / 20MHz

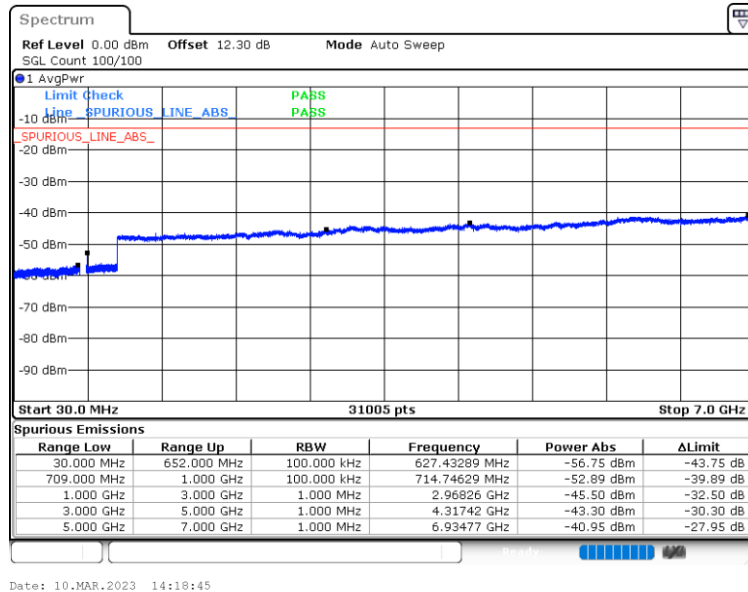
Lowest Channel / QPSK



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
35	Normal Voltage	0.0038	PASS
30	Normal Voltage	0.0063	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0044	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0029	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

<Ant. 1>

LTE Band 26

Part 22H LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-59.47	-13	-46.47	-69.98	-65.88	0.81	9.37	H
	2474	-37.17	-13	-24.17	-50.9	-44.31	1.08	10.37	H
	3296	-49.22	-13	-36.22	-66.01	-57.99	1.11	12.03	H
									H
									H
									H
	1648	-59.54	-13	-46.54	-69.97	-65.95	0.81	9.37	V
	2474	-40.51	-13	-27.51	-54.28	-47.65	1.08	10.37	V
	3296	-48.42	-13	-35.42	-65.51	-57.19	1.11	12.03	V
									V
									V
									V
Middle	1656	-60.37	-13	-47.37	-70.9	-66.81	0.81	9.40	H
	2488	-39.63	-13	-26.63	-53.37	-46.82	1.10	10.44	H
	3328	-47.93	-13	-34.93	-64.75	-56.88	1.10	12.20	H
									H
									H
									H
	1656	-60.46	-13	-47.46	-70.93	-66.90	0.81	9.40	V
	2488	-42.55	-13	-29.55	-56.34	-49.74	1.10	10.44	V
	3328	-52.69	-13	-39.69	-69.81	-61.64	1.10	12.20	V
									V
									V
									V



Highest	1672	-60.47	-13	-47.47	-71.02	-66.96	0.81	9.45	H
	2504	-44.13	-13	-31.13	-57.9	-51.39	1.11	10.52	H
	3336	-50.63	-13	-37.63	-67.46	-59.62	1.10	12.25	H
									H
									H
									H
	1672	-60.32	-13	-47.32	-70.83	-66.81	0.81	9.45	V
	2504	-41.85	-13	-28.85	-55.67	-49.11	1.11	10.52	V
	3336	-53.62	-13	-40.62	-70.76	-62.61	1.10	12.25	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)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-59.43	-13.00	-46.43	-69.93	-63.70	0.78	7.20	H
	2098	-52.17	-13.00	-39.17	-65.16	-58.61	0.92	9.51	H
	2798	-51.05	-13.00	-38.05	-66.18	-58.68	1.12	10.90	H
									H
									H
									H
									H
	1399	-58.65	-13.00	-45.65	-69.23	-62.92	0.78	7.20	V
	2098	-51.72	-13.00	-38.72	-65.11	-58.16	0.92	9.51	V
	2798	-54.65	-13.00	-41.65	-70.27	-62.28	1.12	10.90	V
									V
									V
									V
									V
Middle	1406	-59.58	-13.00	-46.58	-70.06	-63.90	0.78	7.25	H
	2109	-53.98	-13.00	-40.98	-67.12	-60.36	0.93	9.46	H
	2812	-48.30	-13.00	-35.30	-63.47	-55.94	1.12	10.91	H
									H
									H
									H
									H
	1406	-59.68	-13.00	-46.68	-70.25	-64.00	0.78	7.25	V
	2109	-51.13	-13.00	-38.13	-64.73	-57.51	0.93	9.46	V
	2812	-54.48	-13.00	-41.48	-70.12	-62.12	1.12	10.91	V
									V
									V
									V
									V



Highest	1413	-57.87	-13.00	-44.87	-68.31	-62.25	0.78	7.32	H
	2119	-48.88	-13.00	-35.88	-62.11	-55.20	0.93	9.41	H
	2826	-45.03	-13.00	-32.03	-60.24	-52.69	1.11	10.93	H
									H
									H
									H
									H
	1413	-57.97	-13.00	-44.97	-68.52	-62.35	0.78	7.32	V
	2119	-49.23	-13.00	-36.23	-62.93	-55.55	0.93	9.41	V
	2826	-50.04	-13.00	-37.04	-65.70	-57.70	1.11	10.93	V
									V
									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)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1555	-60.36	-13	-47.36	-70.58	-66.11	0.80	8.71	H
	2332	-49.10	-13	-36.10	-62.91	-55.62	0.99	9.66	H
	3109	-48.57	-13	-35.57	-64.79	-56.65	1.09	11.32	H
									H
									H
									H
									H
	1555	-60.22	-13.00	-47.22	-70.46	-65.97	0.80	8.71	V
	2332	-56.73	-13	-43.73	-70.84	-63.25	0.99	9.66	V
	3109	-54.00	-13	-41.00	-70.44	-62.08	1.09	11.32	V
									V
									V
									V
									V
Middle	1559	-60.07	-42.15	-17.92	-70.31	-65.87	0.80	8.75	H
	2339	-46.50	-13	-33.50	-60.30	-53.06	0.99	9.70	H
	3119	-48.42	-13	-35.42	-64.69	-56.51	1.09	11.34	H
									H
									H
									H
									H
	1559	-59.48	-42.15	-17.33	-69.73	-65.28	0.80	8.75	V
	2339	-47.23	-13	-34.23	-61.30	-53.79	0.99	9.70	V
	3119	-51.45	-13	-38.45	-67.95	-59.54	1.09	11.34	V
									V
									V
									V
									V



Highest	1565	-60.34	-42.15	-18.19	-70.60	-66.20	0.80	8.82	H
	2347	-47.20	-13	-34.20	-60.99	-53.80	0.99	9.74	H
	3129	-50.35	-13	-37.35	-66.67	-58.46	1.10	11.36	H
									H
									H
									H
									H
	1565	-59.93	-42.15	-17.78	-70.18	-65.79	0.80	8.82	V
	2347	-48.00	-13	-35.00	-62.03	-54.60	0.99	9.74	V
	3129	-51.76	-13	-38.76	-68.31	-59.87	1.10	11.36	V
									V
									V
									V
									V

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



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1555	-60.06	-13	-47.06	-70.28	-65.81	0.80	8.71	H
	2332	-47.50	-13	-34.50	-61.31	-54.02	0.99	9.66	H
	3110	-49.92	-13	-36.92	-66.14	-58.00	1.09	11.32	H
									H
									H
									H
									H
	1555	-59.54	-13	-46.54	-69.78	-65.29	0.80	8.71	V
	2332	-47.62	-13	-34.62	-61.73	-54.14	0.99	9.66	V
	3110	-53.27	-13	-40.27	-69.72	-61.35	1.09	11.32	V
									V
									V
									V
									V

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

LTE Band 17

LTE Band 17 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1409	-59.66	-13	-46.66	-70.11	-64.35	0.85	7.68	H
	2113	-52.98	-13	-39.98	-66.13	-59.92	1.06	10.16	H
	2818	-52.03	-13	-39.03	-67.22	-59.74	1.23	11.08	H
									H
									H
									H
									H
	1409	-59.53	-13	-46.53	-70.08	-64.22	0.85	7.68	V
	2113	-50.11	-13	-37.11	-63.71	-57.05	1.06	10.16	V
	2818	-54.98	-13	-41.98	-70.63	-62.69	1.23	11.08	V
									V
									V
									V
									V
Middle	1411	-59.96	-13	-46.96	-70.41	-64.65	0.85	7.69	H
	2117	-51.90	-13	-38.90	-65.13	-58.85	1.07	10.16	H
	2822	-48.89	-13	-35.89	-64.08	-56.60	1.23	11.09	H
									H
									H
									H
									H
	1411	-59.04	-13	-46.04	-69.59	-63.73	0.85	7.69	V
	2117	-50.71	-13	-37.71	-64.43	-57.66	1.07	10.16	V
	2822	-51.38	-13	-38.38	-67.03	-59.09	1.23	11.09	V
									V
									V
									V
									V



Highest	1413	-59.78	-13	-46.78	-70.22	-64.48	0.85	7.70	H
	2120	-50.26	-13	-37.26	-63.48	-57.21	1.07	10.17	H
	2826	-43.09	-13	-30.09	-58.30	-50.80	1.23	11.09	H
									H
									H
									H
									H
	1413	-59.78	-13	-46.78	-70.22	-64.48	0.85	7.70	V
	2120	-50.26	-13	-37.26	-63.48	-57.21	1.07	10.17	V
	2826	-43.09	-13	-30.09	-58.30	-50.80	1.23	11.09	V
									V
									V
									V
									V

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

**LTE Band 71**

LTE Band 71 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1328	-58.58	-13	-45.58	-69.22	-64.77	0.76	6.95	H
	1992	-57.37	-13	-44.37	-69.34	-66.48	0.89	10.00	H
	2656	-53.39	-13	-40.39	-68.08	-63.29	1.08	10.97	H
									H
									H
									H
									H
	1328	-58.93	-13	-45.93	-69.38	-65.12	0.76	6.95	V
	1992	-58.78	-13	-45.78	-70.77	-67.89	0.89	10.00	V
	2656	-52.48	-13	-39.48	-67.39	-62.38	1.08	10.97	V
									V
									V
									V
									V
Middle	1348	-59.21	-13	-46.21	-69.8	-65.46	0.76	7.02	H
	2022	-54.56	-13	-41.56	-66.8	-63.55	0.90	9.89	H
	2696	-54.56	-13	-41.56	-69.38	-64.42	1.09	10.95	H
									H
									H
									H
									H
	1348	-58.92	-13	-45.92	-69.4	-65.17	0.76	7.02	V
	2022	-56.78	-13	-43.78	-69.12	-65.77	0.90	9.89	V
	2696	-52.63	-13	-39.63	-67.75	-62.49	1.09	10.95	V
									V
									V
									V
									V



Highest	1358	-59.07	-13	-46.07	-69.65	-65.36	0.77	7.05	H
	2037	-54.75	-13	-41.75	-67.14	-63.66	0.90	9.82	H
	2716	-55.51	-13	-42.51	-70.39	-65.36	1.09	10.94	H
									H
									H
									H
									H
	1358	-58.96	-13	-45.96	-69.47	-65.25	0.77	7.05	V
	2037	-57.58	-13	-44.58	-70.13	-66.49	0.90	9.82	V
	2716	-55.05	-13	-42.05	-70.27	-64.90	1.09	10.94	V
									V
									V
									V
									V

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



<Ant. 0>

LTE Band 25

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-52.08	-13	-39.08	-70.97	-62.95	1.23	12.10	H
	5553	-48.59	-13	-35.59	-71.92	-60.17	1.58	13.15	H
	7404	-42.20	-13	-29.20	-71.68	-51.65	1.94	11.39	H
									H
									H
									H
									H
	3702	-52.24	-13	-39.24	-71.39	-63.11	1.23	12.10	V
	5553	-45.92	-13	-32.92	-71.95	-57.50	1.58	13.15	V
	7404	-42.34	-13	-29.34	-71.92	-51.79	1.94	11.39	V
									V
									V
									V
									V
Middle	3744	-50.57	-13	-37.57	-69.44	-61.53	1.18	12.14	H
	5616	-48.61	-13	-35.61	-71.88	-60.32	1.50	13.22	H
	7482	-42.40	-13	-29.40	-71.69	-51.71	1.92	11.24	H
									H
									H
									H
									H
	3744	-52.32	-13	-39.32	-71.47	-63.28	1.18	12.14	V
	5616	-44.97	-13	-31.97	-71.07	-56.68	1.50	13.22	V
	7482	-42.49	-13	-29.49	-71.9	-51.80	1.92	11.24	V
									V
									V
									V
									V



Highest	3792	-51.89	-13	-38.89	-70.72	-62.95	1.13	12.19	H
	5688	-46.97	-13	-33.97	-70.32	-58.83	1.43	13.29	H
	7584	-42.95	-13	-29.95	-72.19	-52.60	1.89	11.54	H
									H
									H
									H
									H
	3792	-51.98	-13	-38.98	-71.13	-63.04	1.13	12.19	V
	5688	-45.19	-13	-32.19	-71.11	-57.05	1.43	13.29	V
	7584	-42.39	-13	-29.39	-71.8	-52.04	1.89	11.54	V
									V
									V
									V
									V

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

**LTE Band 66**

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3422	-53.46	-13	-40.46	-71.58	-64.88	1.14	12.56	H
	5133	-46.92	-13	-33.92	-68.98	-58.28	1.30	12.67	H
	6844	-44.66	-13	-31.66	-72.24	-55.24	1.85	12.42	H
									H
									H
									H
									H
	3422	-53.11	-13	-40.11	-71.41	-64.53	1.14	12.56	V
	5133	-49.02	-13	-36.02	-71.91	-60.38	1.30	12.67	V
	6844	-43.83	-13	-30.83	-72.17	-54.41	1.85	12.42	V
									V
									V
									V
									V
Middle	3472	-52.25	-13	-39.25	-71.17	-63.48	1.22	12.46	H
	5208	-46.49	-13	-33.49	-68.76	-57.92	1.30	12.72	H
	6944	-44.68	-13	-31.68	-72.43	-54.86	1.84	12.02	H
									H
									H
									H
									H
	3472	-52.67	-13	-39.67	-71.31	-63.90	1.22	12.46	V
	5208	-46.24	-13	-33.24	-69.6	-57.67	1.30	12.72	V
	6944	-44.08	-13	-31.08	-72.15	-54.26	1.84	12.02	V
									V
									V
									V
									V



Highest	3522	-51.93	-13	-38.93	-71.19	-62.96	1.29	12.31	H
	5283	-48.79	-13	-35.79	-71.67	-60.29	1.45	12.95	H
	7044	-44.04	-13	-31.04	-72.07	-53.89	1.84	11.69	H
									H
									H
									H
									H
	3522	-51.09	-13	-38.09	-70.01	-62.12	1.29	12.31	V
	5283	-48.10	-13	-35.10	-72.26	-59.60	1.45	12.95	V
	7044	-43.94	-13	-30.94	-72.13	-53.79	1.84	11.69	V
									V
									V
									V
									V

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

————THE END————