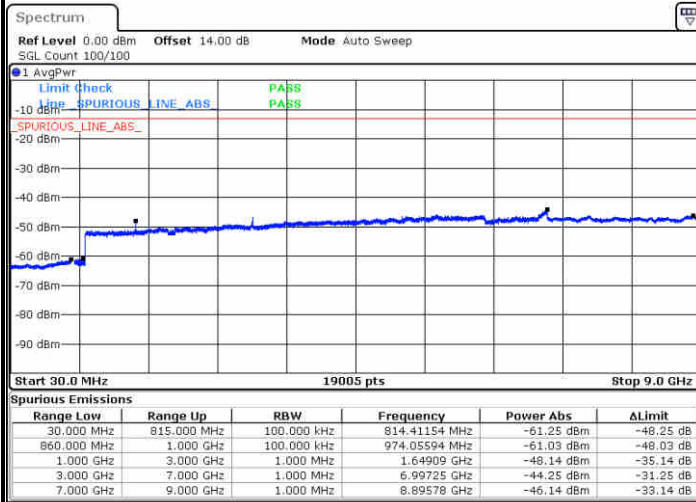




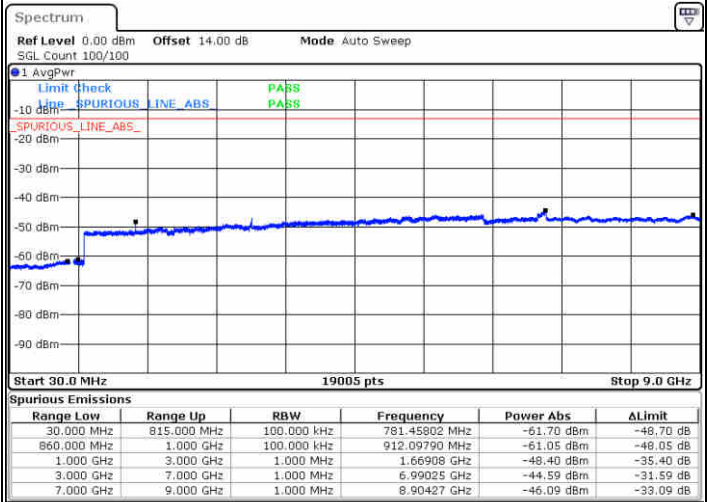
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



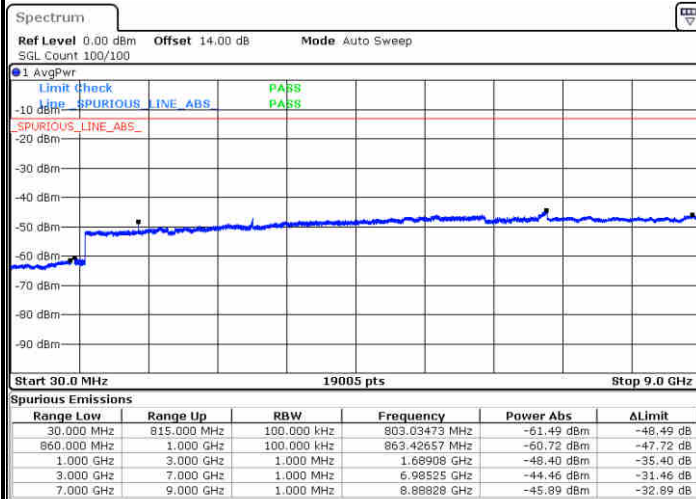
Date: 5 JUL 2020 08:34:56

Middle Channel / 64QAM



Date: 5 JUL 2020 08:36:16

Highest Channel / 64QAM

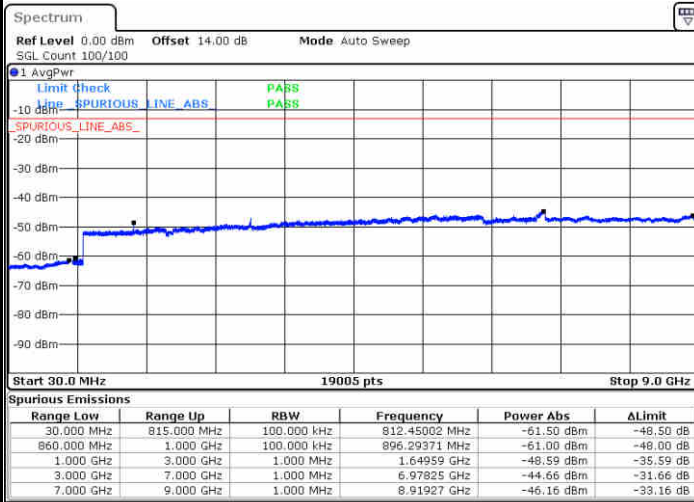


Date: 5 JUL 2020 08:37:35



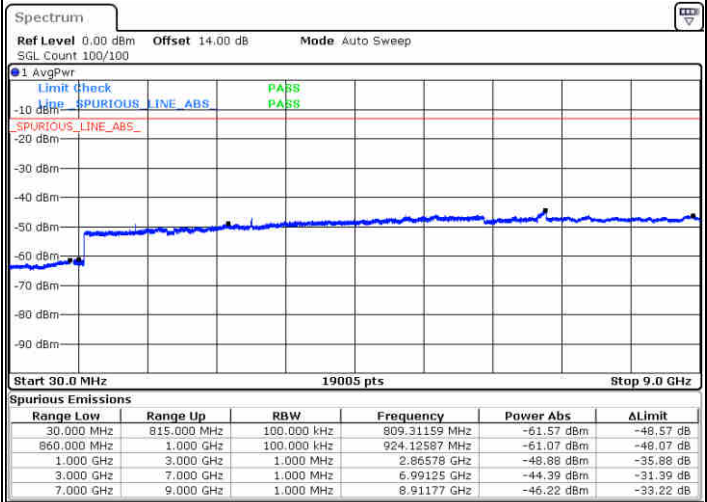
LTE Band 26 / 10MHz

Lowest Channel / 64QAM



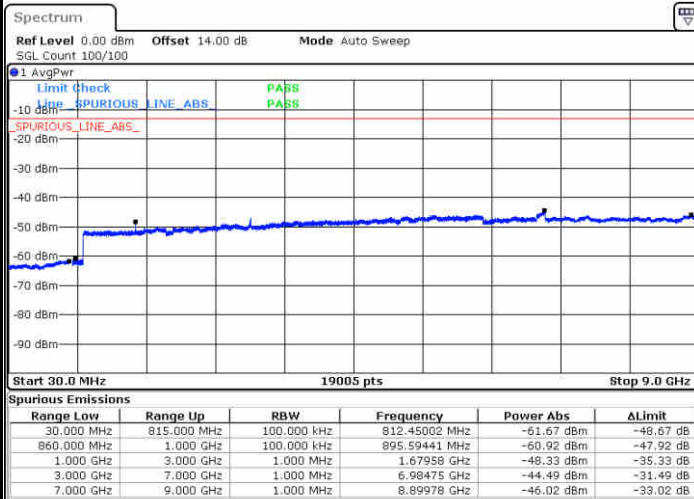
Date: 5.JUL.2020 08:38:55

Middle Channel / 64QAM



Date: 5.JUL.2020 08:40:14

Highest Channel / 64QAM

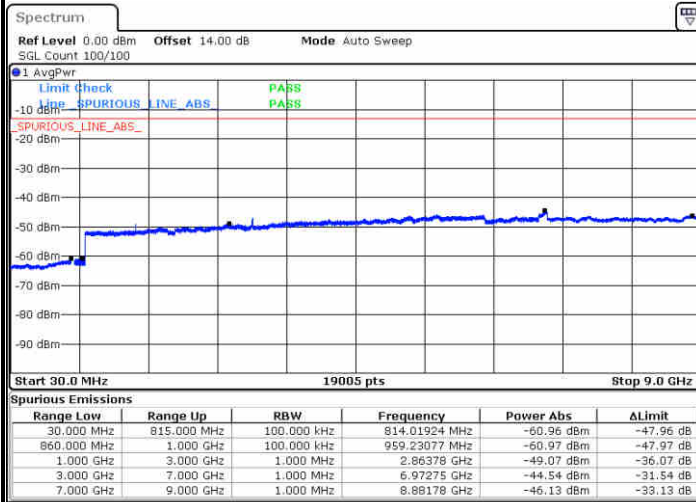


Date: 5.JUL.2020 08:41:34



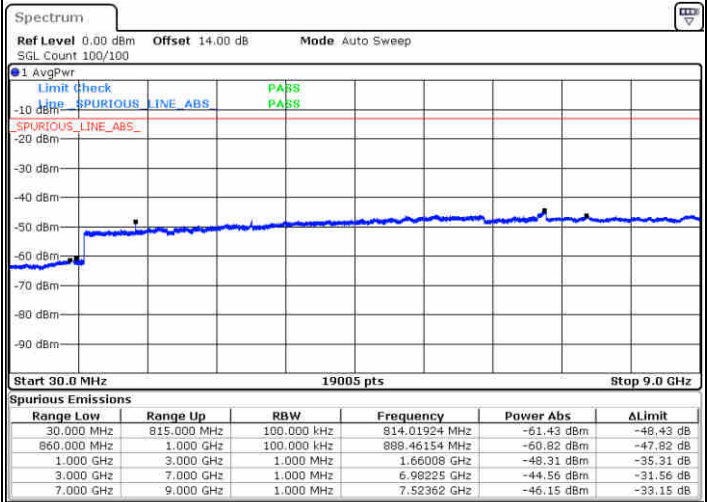
LTE Band 26 / 15MHz

Lowest Channel / 64QAM



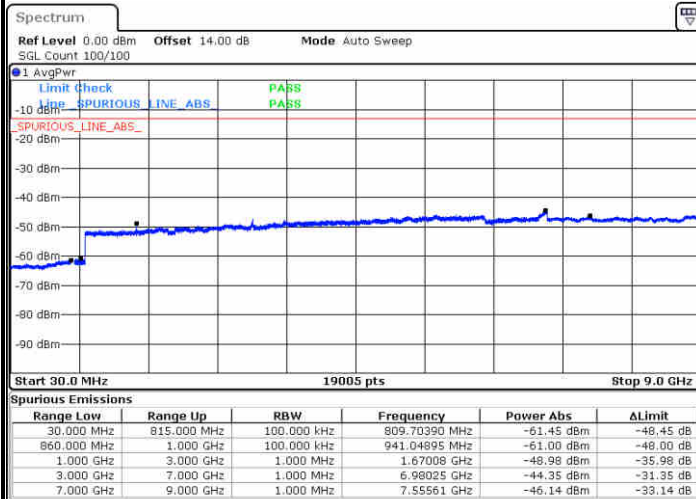
Date: 5 JUL 2020 09:18:36

Middle Channel / 64QAM



Date: 5 JUL 2020 09:19:55

Highest Channel / 64QAM

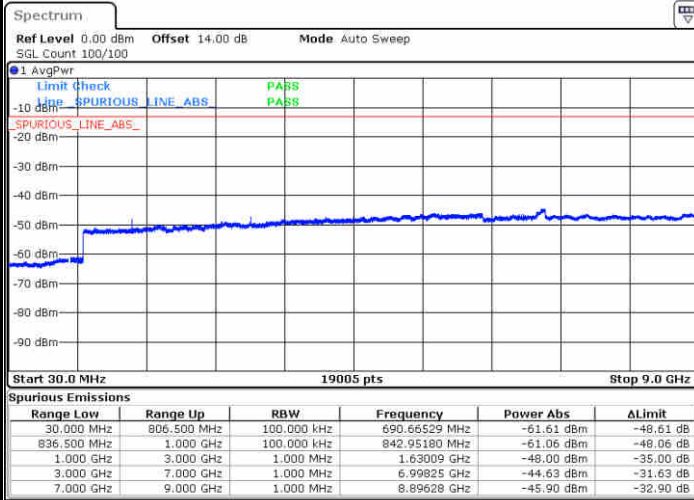


Date: 5 JUL 2020 08:45:33



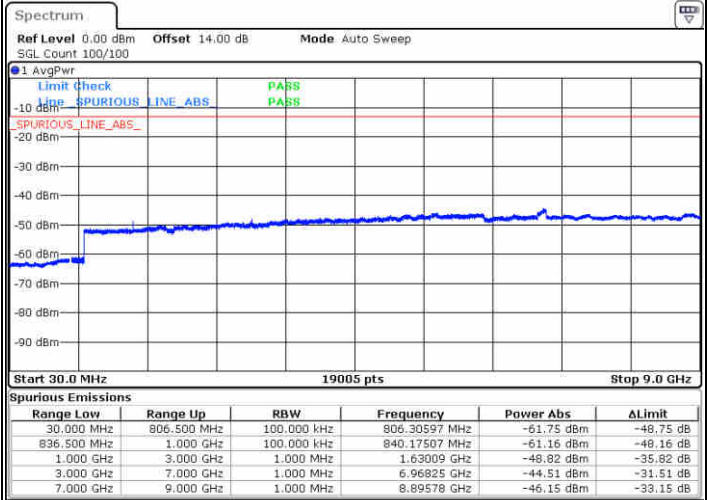
LTE Band 26 / 15MHz

CH26765 / QPSK



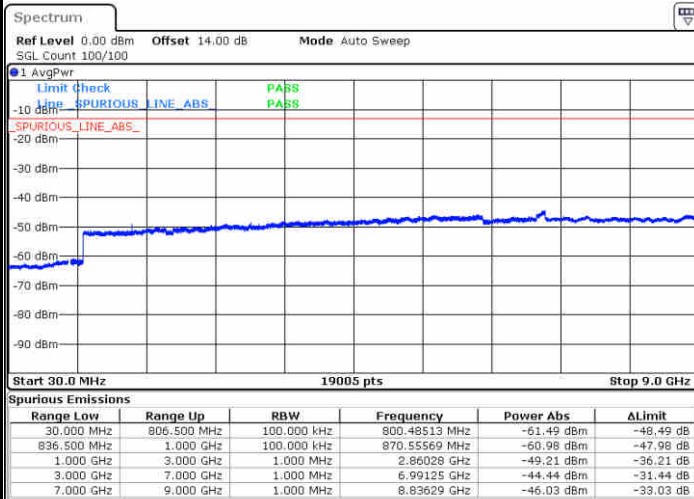
Date: 7.JUL.2020 11:55:06

CH26765 / 16QAM



Date: 7.JUL.2020 11:56:04

CH26765 / 64QAM



Date: 7.JUL.2020 11:24:12

**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

Note: Normal Voltage =7.2 V. ; Battery End Point (BEP) =7.74 V. ; Maximum Voltage =8.9 V.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Top Antenna

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-65.90	-13	-52.90	-77.85	-69.13	3.98	9.36	H
	2098.5	-64.44	-13	-51.44	-79.95	-67.99	4.85	10.55	H
	2798	-64.46	-13	-51.46	-80.71	-69.39	5.50	12.58	H
	1399	-65.96	-13	-52.96	-77.83	-69.19	3.98	9.36	V
	2098.5	-64.82	-13	-51.82	-80.26	-68.37	4.85	10.55	V
	2798	-63.54	-13	-50.54	-80.50	-68.47	5.50	12.58	V
Middle	1406	-65.73	-13	-52.73	-77.72	-68.98	4.00	9.40	H
	2109	-64.70	-13	-51.70	-80.21	-68.27	4.88	10.60	H
	2812	-64.44	-13	-51.44	-80.84	-69.37	5.52	12.60	H
	1406	-65.97	-13	-52.97	-77.92	-69.22	4.00	9.40	V
	2109	-64.47	-13	-51.47	-79.91	-68.04	4.88	10.60	V
	2812	-63.43	-13	-50.43	-80.44	-68.36	5.52	12.60	V
Highest	1413	-65.75	-13	-52.75	-77.74	-68.92	4.10	9.42	H
	2119.5	-64.37	-13	-51.37	-80.10	-67.95	4.90	10.63	H
	2826	-63.86	-13	-50.86	-80.28	-68.78	5.55	12.62	H
	1413	-66.03	-13	-53.03	-77.98	-69.20	4.10	9.42	V
	2119.5	-64.57	-13	-51.57	-80.21	-68.15	4.90	10.63	V
	2826	-63.72	-13	-50.72	-80.75	-68.64	5.55	12.62	V

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



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	1554.5	-66.21	-13	-53.21	-78.37	-69.44	3.98	9.36	H
	2331.75	-64.50	-13	-51.50	-80.78	-68.05	4.85	10.55	H
	3109	-62.68	-13	-49.68	-81.08	-67.61	5.50	12.58	H
	1554.5	-66.72	-13	-53.72	-78.38	-69.95	3.98	9.36	V
	2331.75	-64.36	-13	-51.36	-80.66	-67.91	4.85	10.55	V
	3109	-62.33	-13	-49.33	-80.58	-67.26	5.50	12.58	V
Middle	1559.5	-66.25	-42.15	-24.10	-78.41	-69.42	4.10	9.42	H
	2339.25	-64.43	-13	-51.43	-80.63	-68.01	4.90	10.63	H
	3119	-62.90	-13	-49.90	-81.31	-67.82	5.55	12.62	H
	1559.5	-66.54	-42.15	-24.39	-78.20	-69.71	4.10	9.42	V
	2339.25	-64.36	-13	-51.36	-80.61	-67.94	4.90	10.63	V
	3119	-62.79	-13	-49.79	-81.13	-67.71	5.55	12.62	V
Highest	1564.5	-65.96	-42.15	-23.81	-78.12	-69.21	4.00	9.40	H
	2346.75	-64.83	-13	-51.83	-81.03	-68.40	4.88	10.60	H
	3129	-62.85	-13	-49.85	-81.26	-67.78	5.52	12.60	H
	1564.5	-66.68	-42.15	-24.53	-78.34	-69.93	4.00	9.40	V
	2346.75	-63.83	-13	-50.83	-80.08	-67.40	4.88	10.60	V
	3129	-62.82	-13	-49.82	-81.16	-67.75	5.52	12.60	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	1559.5	-64.97	-42.15	-22.82	-77.13	-68.22	4.00	9.40	H
	2339.25	-63.79	-13	-50.79	-79.99	-67.36	4.88	10.60	H
	3119	-62.87	-13	-49.87	-81.28	-67.80	5.52	12.60	H
	1559.5	-66.51	-42.15	-24.36	-78.17	-69.76	4.00	9.40	V
	2339.25	-64.26	-13	-51.26	-80.51	-67.83	4.88	10.60	V
	3119	-62.91	-13	-49.91	-81.25	-67.84	5.52	12.60	V

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



LTE Band 25 / 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	3702	-61.00	-13	-48.00	-80.96	-67.76	5.82	12.58	H
	5553	-58.96	-13	-45.96	-83.64	-64.68	7.28	13.00	H
	7404	-53.95	-13	-40.95	-83.23	-57.11	8.32	11.48	H
	3702	-60.93	-13	-47.93	-80.92	-67.69	5.82	12.58	V
	5553	-58.68	-13	-45.68	-83.56	-64.40	7.28	13.00	V
	7404	-54.58	-13	-41.58	-83.54	-57.74	8.32	11.48	V
Middle	3747	-61.09	-13	-48.09	-81.19	-67.84	5.85	12.60	H
	5620.5	-58.46	-13	-45.46	-83.06	-64.26	7.30	13.10	H
	7494	-54.82	-13	-41.82	-83.64	-57.97	8.35	11.50	H
	3747	-60.97	-13	-47.97	-81.11	-67.72	5.85	12.60	V
	5620.5	-58.34	-13	-45.34	-83.21	-64.14	7.30	13.10	V
	7494	-54.90	-13	-41.90	-83.48	-58.05	8.35	11.50	V
Highest	3792	-61.38	-13	-48.38	-81.57	-68.12	5.88	12.62	H
	5688	-58.95	-13	-45.95	-83.54	-64.76	7.32	13.13	H
	7584	-54.74	-13	-41.74	-83.26	-57.90	8.38	11.54	H
	3792	-61.24	-13	-48.24	-81.47	-67.98	5.88	12.62	V
	5688	-58.12	-13	-45.12	-83.07	-63.93	7.32	13.13	V
	7584	-54.82	-13	-41.82	-83.19	-57.98	8.38	11.54	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	1649.5	-66.98	-13	-53.98	-78.80	-70.21	3.98	9.36	H
	2474.25	-62.98	-13	-49.98	-78.81	-66.53	4.85	10.55	H
	3299	-63.00	-13	-50.00	-81.30	-67.93	5.50	12.58	H
	1649.5	-67.25	-13	-54.25	-78.70	-70.48	3.98	9.36	V
	2474.25	-61.70	-13	-48.70	-77.46	-65.25	4.85	10.55	V
	3299	-62.93	-13	-49.93	-81.30	-67.86	5.50	12.58	V
Middle	1659.5	-66.84	-13	-53.84	-61.86	-70.09	4.00	9.40	H
	2489.25	-63.79	-13	-50.79	-62.22	-67.36	4.88	10.60	H
	3319	-60.89	-13	-47.89	-62.56	-65.82	5.52	12.60	H
	1659.5	-66.76	-13	-53.76	-61.59	-71.69	5.52	12.60	V
	2489.25	-63.38	-13	-50.38	-62.18	-67.85	6.00	12.62	V
	3319	-60.57	-13	-47.57	-62.51	-63.98	7.14	12.70	V
Highest	1669.5	-66.60	-13	-53.60	-61.67	-69.77	4.10	9.42	H
	2504.25	-63.80	-13	-50.80	-62.33	-67.38	4.90	10.63	H
	3339	-60.94	-13	-47.94	-62.52	-65.86	5.55	12.62	H
	1669.5	-67.13	-13	-54.13	-62.04	-72.05	5.55	12.62	V
	2504.25	-63.75	-13	-50.75	-62.60	-68.23	6.02	12.65	V
	3339	-60.40	-13	-47.40	-62.32	-63.82	7.15	12.72	V

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



Bottom Antenna

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-65.79	-13	-52.79	-77.74	-69.02	3.98	9.36	H
	2098.5	-64.32	-13	-51.32	-79.83	-67.87	4.85	10.55	H
	2798	-63.64	-13	-50.64	-79.89	-68.57	5.50	12.58	H
	1399	-66.06	-13	-53.06	-77.93	-69.29	3.98	9.36	V
	2098.5	-64.34	-13	-51.34	-79.78	-67.89	4.85	10.55	V
	2798	-63.63	-13	-50.63	-80.59	-68.56	5.50	12.58	V
Middle	1406	-66.03	-13	-53.03	-78.02	-69.28	4.00	9.40	H
	2109	-64.69	-13	-51.69	-80.20	-68.26	4.88	10.60	H
	2812	-64.36	-13	-51.36	-80.76	-69.29	5.52	12.60	H
	1406	-66.10	-13	-53.10	-78.05	-69.35	4.00	9.40	V
	2109	-64.81	-13	-51.81	-80.25	-68.38	4.88	10.60	V
	2812	-63.77	-13	-50.77	-80.78	-68.70	5.52	12.60	V
Highest	1413	-66.16	-13	-53.16	-78.15	-69.33	4.10	9.42	H
	2119.5	-64.36	-13	-51.36	-80.09	-67.94	4.90	10.63	H
	2826	-64.04	-13	-51.04	-80.46	-68.96	5.55	12.62	H
	1413	-65.79	-13	-52.79	-77.74	-68.96	4.10	9.42	V
	2119.5	-64.71	-13	-51.71	-80.35	-68.29	4.90	10.63	V
	2826	-63.83	-13	-50.83	-80.86	-68.75	5.55	12.62	V

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



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	1554.5	-66.04	-13	-53.04	-78.20	-69.27	3.98	9.36	H
	2331.75	-64.33	-13	-51.33	-80.61	-67.88	4.85	10.55	H
	3109	-62.51	-13	-49.51	-80.91	-67.44	5.50	12.58	H
	1554.5	-66.54	-13	-53.54	-78.20	-69.77	3.98	9.36	V
	2331.75	-64.07	-13	-51.07	-80.37	-67.62	4.85	10.55	V
	3109	-62.79	-13	-49.79	-81.04	-67.72	5.50	12.58	V
Middle	1559.5	-66.27	-42.15	-24.12	-78.43	-69.52	4.00	9.40	H
	2339.25	-64.31	-13	-51.31	-80.51	-67.88	4.88	10.60	H
	3119	-62.75	-13	-49.75	-81.16	-67.68	5.52	12.60	H
	1559.5	-66.59	-42.15	-24.44	-78.25	-69.84	4.00	9.40	V
	2339.25	-63.90	-13	-50.90	-80.15	-67.47	4.88	10.60	V
	3119	-62.98	-13	-49.98	-81.32	-67.91	5.52	12.60	V
Highest	1564.5	-65.57	-42.15	-23.42	-77.73	-68.74	4.10	9.42	H
	2346.75	-64.73	-13	-51.73	-80.93	-68.31	4.90	10.63	H
	3129	-62.32	-13	-49.32	-80.73	-67.24	5.55	12.62	H
	1564.5	-66.55	-42.15	-24.40	-78.21	-69.72	4.10	9.42	V
	2346.75	-64.63	-13	-51.63	-80.88	-68.21	4.90	10.63	V
	3129	-62.85	-13	-49.85	-81.19	-67.77	5.55	12.62	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	1559.5	-65.80	-42.15	-23.65	-77.96	-69.05	4.00	9.40	H
	2339.25	-64.08	-13	-51.08	-80.28	-67.65	4.88	10.60	H
	3119	-62.53	-13	-49.53	-80.94	-67.46	5.52	12.60	H
	1559.5	-66.48	-42.15	-24.33	-78.14	-69.73	4.00	9.40	V
	2339.25	-64.25	-13	-51.25	-80.50	-67.82	4.88	10.60	V
	3119	-62.77	-13	-49.77	-81.11	-67.70	5.52	12.60	V

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



LTE Band 25 / 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	3702	-61.36	-13	-48.36	-81.32	-68.12	5.82	12.58	H
	5553	-58.78	-13	-45.78	-83.46	-64.50	7.28	13.00	H
	7404	-53.91	-13	-40.91	-83.19	-57.07	8.32	11.48	H
	3702	-61.31	-13	-48.31	-81.3	-68.07	5.82	12.58	V
	5553	-58.42	-13	-45.42	-83.3	-64.14	7.28	13.00	V
	7404	-54.71	-13	-41.71	-83.67	-57.87	8.32	11.48	V
Middle	3747	-61.34	-13	-48.34	-81.44	-68.09	5.85	12.60	H
	5620.5	-58.54	-13	-45.54	-83.14	-64.34	7.30	13.10	H
	7494	-54.72	-13	-41.72	-83.54	-57.87	8.35	11.50	H
	3747	-61.41	-13	-48.41	-81.55	-68.16	5.85	12.60	V
	5620.5	-57.99	-13	-44.99	-82.86	-63.79	7.30	13.10	V
	7494	-55.04	-13	-42.04	-83.62	-58.19	8.35	11.50	V
Highest	3792	-61.46	-13	-48.46	-81.65	-68.20	5.88	12.62	H
	5688	-59.07	-13	-46.07	-83.66	-64.88	7.32	13.13	H
	7584	-55.01	-13	-42.01	-83.53	-58.17	8.38	11.54	H
	3792	-61.22	-13	-48.22	-81.45	-67.96	5.88	12.62	V
	5688	-58.73	-13	-45.73	-83.68	-64.54	7.32	13.13	V
	7584	-55.19	-13	-42.19	-83.56	-58.35	8.38	11.54	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	1649.5	-67.57	-13	-54.57	-79.39	-70.80	3.98	9.36	H
	2474.25	-64.75	-13	-51.75	-80.58	-68.30	4.85	10.55	H
	3299	-62.90	-13	-49.90	-81.20	-67.83	5.50	12.58	H
	1649.5	-67.92	-13	-54.92	-79.37	-72.85	5.50	12.58	V
	2474.25	-64.63	-13	-51.63	-80.39	-69.10	5.98	12.60	V
	3299	-63.62	-13	-50.62	-81.99	-67.05	7.10	12.68	V
Middle	1659.5	-67.04	-13	-54.04	-62.06	-70.29	4.00	9.40	H
	2489.25	-64.02	-13	-51.02	-62.45	-67.59	4.88	10.60	H
	3319	-60.90	-13	-47.90	-62.57	-65.83	5.52	12.60	H
	1659.5	-67.27	-13	-54.27	-62.10	-72.20	5.52	12.60	V
	2489.25	-63.22	-13	-50.22	-62.02	-67.69	6.00	12.62	V
	3319	-60.35	-13	-47.35	-62.29	-63.76	7.14	12.70	V
Highest	1669.5	-67.03	-13	-54.03	-62.10	-70.20	4.10	9.42	H
	2504.25	-63.79	-13	-50.79	-62.32	-67.37	4.90	10.63	H
	3339	-60.68	-13	-47.68	-62.26	-65.60	5.55	12.62	H
	1669.5	-67.12	-13	-54.12	-62.03	-72.04	5.55	12.62	V
	2504.25	-63.40	-13	-50.40	-62.25	-67.88	6.02	12.65	V
	3339	-60.61	-13	-47.61	-62.53	-64.03	7.15	12.72	V

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