



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-63.47	-13	-50.47	-75.54	-65.23	0.98	4.89	H
	2472	-58.08	-13	-45.08	-75.35	-59.96	1.28	5.32	H
	3296	-57.53	-13	-44.53	-76.85	-60.94	1.54	7.10	H
	1648	-62.87	-13	-49.87	-75.41	-64.63	0.98	4.89	V
	2472	-57.18	-13	-44.18	-74.96	-59.06	1.28	5.32	V
	3296	-57.72	-13	-44.72	-77.36	-61.13	1.54	7.10	V
Middle	1664	-62.86	-13	-49.86	-75.12	-64.57	0.98	4.84	H
	2496	-57.88	-13	-44.88	-75.2	-59.83	1.29	5.39	H
	3328	-57.98	-13	-44.98	-77.5	-61.52	1.55	7.24	H
	1664	-64.48	-13	-51.48	-74.42	-66.19	0.98	4.84	V
	2496	-57.28	-13	-44.28	-75.01	-59.23	1.29	5.39	V
	3328	-57.68	-13	-44.68	-77.41	-61.22	1.55	7.24	V
Highest	1680	-62.86	-13	-49.86	-75.24	-64.51	0.99	4.80	H
	2517	-58.17	-13	-45.17	-75.55	-60.14	1.30	5.41	H
	3356	-57.96	-13	-44.96	-77.62	-61.62	1.56	7.37	H
	1680	-62.32	-13	-49.32	-75.19	-63.97	0.99	4.80	V
	2517	-57.57	-13	-44.57	-75.49	-59.54	1.30	5.41	V
	3356	-57.77	-13	-44.77	-77.6	-61.43	1.56	7.37	V

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



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	4998	-56.04	-25	-31.04	-80.26	-63.4	2.34	9.70	H
	7500	-53.02	-25	-28.02	-80.5	-62.39	2.43	11.80	H
	10008	-48.34	-25	-23.34	-80.5	-57.85	2.70	12.20	H
	4998	-56.26	-25	-31.26	-80.32	-63.62	2.34	9.70	V
	7500	-53.01	-25	-28.01	-80.7	-62.38	2.43	11.80	V
	10008	-48.39	-25	-23.39	-80.45	-57.9	2.70	12.20	V
Middle	5052	-56.18	-25	-31.18	-80.53	-63.51	2.37	9.70	H
	7572	-52.78	-25	-27.78	-80.53	-62.22	2.41	11.84	H
	10098	-48.21	-25	-23.21	-80.59	-57.75	2.70	12.24	H
	5052	-57.23	-25	-32.23	-80.43	-64.56	2.37	9.70	V
	7572	-52.75	-25	-27.75	-80.7	-62.19	2.41	11.84	V
	10098	-48.37	-25	-23.37	-80.67	-57.91	2.70	12.24	V
Highest	5100	-55.91	-25	-30.91	-80.45	-63.22	2.39	9.70	H
	7650	-52.37	-25	-27.37	-80.28	-61.88	2.38	11.89	H
	10206	-48.08	-25	-23.08	-80.71	-57.67	2.70	12.28	H
	5100	-56.26	-25	-31.26	-80.67	-63.57	2.39	9.70	V
	7650	-52.24	-25	-27.24	-80.47	-61.75	2.38	11.89	V
	10206	-48.04	-25	-23.04	-80.74	-57.63	2.70	12.28	V

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



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	-63.66	-13.00	-50.66	-64.77	-65.32	0.87	4.68	H
	2096	-60.21	-13.00	-47.21	-61.70	-61.08	1.16	4.19	H
	2796	-58.53	-13.00	-45.53	-59.76	-60.63	1.38	5.64	H
	1400	-63.34	-13.00	-50.34	-74.65	-65.00	0.87	4.68	V
	2096	-58.95	-13.00	-45.95	-76.12	-59.82	1.16	4.19	V
	2796	-57.93	-13.00	-44.93	-76.63	-60.03	1.38	5.64	V
Middle	1408	-63.52	-13.00	-50.52	-74.56	-65.23	0.87	4.73	H
	2107	-60.31	-13.00	-47.31	-76.16	-61.21	1.17	4.22	H
	2810	-58.80	-13.00	-45.80	-76.73	-60.91	1.39	5.65	H
	1408	-63.29	-13.00	-50.29	-74.65	-65.00	0.87	4.73	V
	2107	-59.33	-13.00	-46.33	-75.90	-60.23	1.17	4.22	V
	2810	-58.07	-13.00	-45.07	-76.75	-60.18	1.39	5.65	V
Highest	1416	-63.93	-13.00	-50.93	-65.05	-65.68	0.87	4.78	H
	2120	-59.27	-13.00	-46.27	-60.89	-60.21	1.17	4.26	H
	2824	-58.40	-13.00	-45.40	-59.91	-60.52	1.39	5.66	H
	1416	-63.50	-13.00	-50.50	-74.70	-65.25	0.87	4.78	V
	2120	-59.06	-13.00	-46.06	-76.05	-60.00	1.17	4.26	V
	2824	-57.61	-13.00	-44.61	-76.62	-59.73	1.39	5.66	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	1562	-64.28	-42.15	-22.13	-75.67	-66.32	0.94	5.13	H
	2343	-60.44	-13	-47.44	-77.10	-61.98	1.24	4.93	H
	3124	-59.47	-13	-46.47	-77.90	-62.18	1.49	6.35	H
	1562	-63.91	-42.15	-21.76	-75.74	-65.95	0.94	5.13	V
	2343	-59.82	-13	-46.82	-76.97	-61.36	1.24	4.93	V
	3124	-58.61	-13	-45.61	-77.80	-61.32	1.49	6.35	V
Middle	1568	-64.30	-42.15	-22.15	-75.70	-66.32	0.94	5.11	H
	2352	-60.28	-13	-47.28	-77.04	-61.84	1.24	4.96	H
	3136	-59.66	-13	-46.66	-78.16	-62.42	1.49	6.40	H
	1568	-63.94	-42.15	-21.79	-75.84	-65.96	0.94	5.11	V
	2352	-60.07	-13	-47.07	-77.22	-61.63	1.24	4.96	V
	3136	-58.83	-13	-45.83	-78.04	-61.59	1.49	6.40	V
Highest	1573	-63.97	-42.15	-21.82	-75.51	-65.97	0.94	5.10	H
	2360	-60.46	-13	-47.46	-77.21	-62.04	1.25	4.98	H
	3146	-59.34	-13	-46.34	-77.89	-62.14	1.49	6.44	H
	1573	-63.86	-42.15	-21.71	-75.83	-65.86	0.94	5.10	V
	2360	-60.11	-13	-47.11	-77.27	-61.69	1.25	4.98	V
	3146	-58.59	-13	-45.59	-77.83	-61.39	1.49	6.44	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	1664	-67.17	-13	-54.17	-55.4	-68.88	0.98	4.84	H
	2496	-57.06	-13	-44.06	-50.4	-59.01	1.29	5.39	H
	3296	-63.58	-13	-50.58	-59.2	-66.99	1.54	7.10	H
	1664	-65.92	-13	-52.92	-54.57	-67.63	0.98	4.84	V
	2496	-56.94	-13	-43.94	-51.15	-58.89	1.29	5.39	V
	3296	-63.36	-13	-50.36	-59.3	-66.77	1.54	7.10	V
Middle	1672	-68.10	-13	-55.10	-56.19	-69.78	0.99	4.82	H
	2512	-56.36	-13	-43.36	-49.74	-58.33	1.29	5.41	H
	3328	-64.09	-13	-51.09	-59.56	-67.63	1.55	7.24	H
	1672	-64.56	-13	-51.56	-53.41	-66.24	0.99	4.82	V
	2512	-56.06	-13	-43.06	-49.82	-58.03	1.29	5.41	V
	3328	-63.01	-13	-50.01	-59.17	-66.55	1.55	7.24	V
Highest	1680	-68.14	-13	-55.14	-56.33	-69.79	0.99	4.80	H
	2528	-58.11	-13	-45.11	-51.49	-60.08	1.30	5.42	H
	3336	-63.47	-13	-50.47	-59	-67.05	1.55	7.28	H
	1680	-64.58	-13	-51.58	-53.28	-66.23	0.99	4.80	V
	2528	-56.79	-13	-43.79	-50.63	-58.76	1.30	5.42	V
	3336	-63.21	-13	-50.21	-58.87	-66.79	1.55	7.28	V

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



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	3702	-54.51	-13	-41.51	-75.29	-61.08	1.67	8.24	H
	5550	-54.84	-13	-41.84	-79.74	-61.91	2.65	9.72	H
	7398	-53.38	-13	-40.38	-80.12	-62.51	2.46	11.60	H
	3702	-51.35	-13	-38.35	-71.73	-57.92	1.67	8.24	V
	5550	-54.94	-13	-41.94	-79.88	-62.01	2.65	9.72	V
	7398	-53.25	-13	-40.25	-80.31	-62.38	2.46	11.60	V
Middle	3738	-56.61	-13	-43.61	-77.11	-63.22	1.68	8.29	H
	5610	-54.29	-13	-41.29	-79.38	-61.35	2.69	9.74	H
	7482	-52.04	-13	-39.04	-79.21	-61.37	2.44	11.76	H
	3738	-57.01	-13	-44.01	-77.42	-63.62	1.68	8.29	V
	5610	-53.51	-13	-40.51	-78.57	-60.57	2.69	9.74	V
	7482	-52.09	-13	-39.09	-79.41	-61.42	2.44	11.76	V
Highest	3792	-55.69	-13	-42.69	-76.27	-62.34	1.70	8.35	H
	5685	-54.67	-13	-41.67	-79.97	-61.71	2.73	9.77	H
	7580	-52.88	-13	-39.88	-79.98	-62.32	2.40	11.85	H
	3792	-55.50	-13	-42.50	-75.87	-62.15	1.70	8.35	V
	5688	-54.09	-13	-41.09	-79.49	-61.13	2.73	9.78	V
	7578	-52.78	-13	-39.78	-80.01	-62.22	2.40	11.85	V

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



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	-56.18	-25	-31.18	-79.39	-63.53	2.33	9.68	H
	7494	-53.88	-25	-28.88	-80.4	-63.24	2.43	11.79	H
	9984	-49.69	-25	-24.69	-80.77	-59.21	2.69	12.21	H
	4992	-57.86	-25	-32.86	-80.92	-65.21	2.33	9.68	V
	7494	-52.97	-25	-27.97	-79.71	-62.33	2.43	11.79	V
	9984	-49.35	-25	-24.35	-80.4	-58.87	2.69	12.21	V
Middle	5166	-57.68	-25	-32.68	-81.31	-64.95	2.43	9.70	H
	7749	-53.66	-25	-28.66	-80.85	-63.26	2.35	11.95	H
	10332	-48.99	-25	-23.99	-81	-58.63	2.69	12.33	H
	5166	-57.62	-25	-32.62	-81.13	-64.89	2.43	9.70	V
	7749	-53.18	-25	-28.18	-80.63	-62.78	2.35	11.95	V
	10332	-49.43	-25	-24.43	-81.24	-59.07	2.69	12.33	V
Highest	5340	-57.67	-25	-32.67	-81.79	-64.84	2.53	9.70	H
	8010	-53.22	-25	-28.22	-81.02	-63.06	2.27	12.11	H
	10680	-48.47	-25	-23.47	-81.37	-58.22	2.69	12.44	H
	5340	-57.79	-25	-32.79	-81.81	-64.96	2.53	9.70	V
	8010	-52.38	-25	-27.38	-80.58	-62.22	2.27	12.11	V
	10680	-48.47	-25	-23.47	-81.18	-58.22	2.69	12.44	V

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



LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-57.15	-13	-44.15	-52.86	-63.22	1.58	7.65	H
	5136	-59.05	-13	-46.05	-59.55	-66.33	2.42	9.70	H
	6840	-61.04	-13	-48.04	-65.65	-69.01	2.64	10.61	H
	3420	-54.70	-13	-41.70	-50.33	-60.77	1.58	7.65	V
	5136	-56.75	-13	-43.75	-56.97	-64.03	2.42	9.70	V
	6840	-61.08	-13	-48.08	-65.54	-69.05	2.64	10.61	V
Middle	3474	-55.70	-13	-42.70	-51.99	-61.99	1.60	7.89	H
	5208	-56.98	-13	-43.98	-57.82	-64.22	2.46	9.70	H
	6942	-60.90	-13	-47.90	-65.56	-69.02	2.61	10.73	H
	3474	-55.83	-13	-42.83	-51.89	-62.12	1.60	7.89	V
	5208	-57.31	-13	-44.31	-58.15	-64.55	2.46	9.70	V
	6942	-60.21	-13	-47.21	-64.78	-68.33	2.61	10.73	V
Highest	3522	-58.06	-13	-45.06	-53.98	-64.48	1.61	8.03	H
	5286	-57.86	-13	-44.86	-59.11	-65.06	2.50	9.70	H
	7038	-60.91	-13	-47.91	-65.12	-69.21	2.58	10.88	H
	3522	-56.15	-13	-43.15	-51.93	-62.57	1.61	8.03	V
	5286	-56.62	-13	-43.62	-57.74	-63.82	2.50	9.70	V
	7038	-60.61	-13	-47.61	-64.93	-68.91	2.58	10.88	V

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