



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Fuquan wu	Temperature :	22~25°C
		Relative Humidity :	48~52%

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	5002.18	-43.82	-25	-18.82	-65.81	-49.38	7.12	12.68	H
	7503.27	-53.70	-25	-28.70	-79.88	-57.03	8.26	11.59	H
	10004.36	-47.08	-25	-22.08	-78.67	-48.61	10.45	11.98	H
	5002.18	-40.03	-25	-15.03	-62.07	-45.59	7.12	12.68	V
	7503.27	-52.66	-25	-27.66	-78.83	-55.99	8.26	11.59	V
	10004.36	-40.97	-25	-15.97	-70.93	-42.50	10.45	11.98	V
Middle	5052.18	-42.98	-25	-17.98	-64.92	-48.54	7.14	12.70	H
	7578.27	-53.55	-25	-28.55	-79.65	-56.85	8.30	11.60	H
	10104.36	-45.23	-25	-20.23	-76.82	-46.75	10.48	12.00	H
	5052.18	-37.06	-25	-12.06	-59.12	-42.62	7.14	12.70	V
	7578.27	-51.77	-25	-26.77	-77.83	-55.07	8.30	11.60	V
	10104.36	-39.20	-25	-14.20	-69.39	-40.72	10.48	12.00	V
Highest	5102.18	-43.15	-25	-18.15	-65.04	-48.71	7.16	12.72	H
	7653.27	-52.84	-25	-27.84	-79.05	-56.14	8.33	11.63	H
	10204.36	-44.93	-25	-19.93	-76.52	-46.53	10.50	12.10	H
	5102.18	-37.89	-25	-12.89	-59.96	-43.45	7.16	12.72	V
	7653.27	-52.04	-25	-27.04	-78.17	-55.34	8.33	11.63	V
	10204.36	-38.73	-25	-13.73	-69.11	-40.33	10.50	12.10	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	1399	-53.39	-13	-40.39	-63.38	-56.62	3.98	9.36	H
	2098.5	-64.21	-13	-51.21	-76.87	-67.76	4.85	10.55	H
	2798	-55.91	-13	-42.91	-71.79	-60.84	5.50	12.58	H
	1399	-57.16	-13	-44.16	-66.85	-60.39	3.98	9.36	V
	2098.5	-63.01	-13	-50.01	-76.16	-66.56	4.85	10.55	V
	2798	-59.06	-13	-46.06	-74.64	-63.99	5.50	12.58	V
Middle	1406	-57.75	-13	-44.75	-67.87	-61.00	4.00	9.40	H
	2109	-63.81	-13	-50.81	-76.47	-67.38	4.88	10.60	H
	2812	-60.14	-13	-47.14	-76.05	-65.07	5.52	12.60	H
	1406	-60.13	-13	-47.13	-69.90	-63.38	4.00	9.40	V
	2109	-63.74	-13	-50.74	-76.89	-67.31	4.88	10.60	V
	2812	-60.70	-13	-47.70	-76.33	-65.63	5.52	12.60	V
Highest	1413	-57.08	-13	-44.08	-67.20	-60.25	4.10	9.42	H
	2119.5	-63.78	-13	-50.78	-76.79	-67.36	4.90	10.63	H
	2826	-60.91	-13	-47.91	-76.86	-65.83	5.55	12.62	H
	1413	-60.94	-13	-47.94	-70.71	-64.11	4.10	9.42	V
	2119.5	-63.38	-13	-50.38	-76.78	-66.96	4.90	10.63	V
	2826	-60.85	-13	-47.85	-76.52	-65.77	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	-57.45	-13	-44.45	-67.81	-60.68	3.98	9.36	H
	2331.75	-61.88	-13	-48.88	-77.12	-65.43	4.85	10.55	H
	3109	-58.83	-13	-45.83	-77.22	-63.76	5.50	12.58	H
	1554.5	-56.98	-13	-43.98	-67.42	-60.21	3.98	9.36	V
	2331.75	-61.09	-13	-48.09	-76.33	-64.64	4.85	10.55	V
	3109	-58.52	-13	-45.52	-76.97	-63.45	5.50	12.58	V
Middle	1559.5	-60.99	-42.15	-18.84	-71.35	-64.24	4.00	9.40	H
	2339.25	-58.92	-13	-45.92	-74.12	-62.49	4.88	10.60	H
	3119	-58.82	-13	-45.82	-77.30	-63.75	5.52	12.60	H
	3896	-56.30	-13	-43.30	-77.78	-60.77	6.00	12.62	H
	1559.5	-60.37	-42.15	-18.22	-70.81	-63.62	4.00	9.40	V
	2339.25	-60.13	-13	-47.13	-75.33	-63.70	4.88	10.60	V
	3119	-58.28	-13	-45.28	-76.80	-63.21	5.52	12.60	V
	3898.75	-57.14	-13	-44.14	-78.69	-61.61	6.00	12.62	V
Highest	1564.5	-59.86	-42.15	-17.71	-70.22	-63.03	4.10	9.42	H
	2346.75	-59.15	-13	-46.15	-74.37	-62.73	4.90	10.63	H
	3129	-59.37	-13	-46.37	-77.85	-64.29	5.55	12.62	H
	1564.5	-59.03	-42.15	-16.88	-69.47	-62.20	4.10	9.42	V
	2346.75	-52.38	-13	-39.38	-67.60	-55.96	4.90	10.63	V
	3129	-59.30	-13	-46.30	-77.82	-64.22	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	-63.59	-42.15	-21.44	-73.95	-66.84	4.00	9.40	H
	2339.25	-62.06	-13	-49.06	-77.26	-65.63	4.88	10.60	H
	3119	-59.36	-13	-46.36	-77.84	-64.29	5.52	12.60	H
	1559.5	-63.44	-42.15	-21.29	-73.88	-66.69	4.00	9.40	V
	2339.25	-61.61	-13	-48.61	-76.81	-65.18	4.88	10.60	V
	3119	-59.11	-13	-46.11	-77.63	-64.04	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)	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	-36.44	-13	-23.44	-54.56	-43.20	5.82	12.58	H
	5553	-34.57	-13	-21.57	-56.67	-40.29	7.28	13.00	H
	7404	-49.97	-13	-36.97	-76.65	-53.13	8.32	11.48	H
	11106	-46.52	-13	-33.52	-79.04	-48.67	9.83	11.98	H
	3702	-39.44	-13	-26.44	-57.46	-46.20	5.82	12.58	V
	5553	-34.33	-13	-21.33	-56.61	-40.05	7.28	13.00	V
	7404	-49.68	-13	-36.68	-76.38	-52.84	8.32	11.48	V
	11106	-45.95	-13	-32.95	-78.18	-48.10	9.83	11.98	V
Middle	3747	-35.71	-13	-22.71	-53.61	-42.46	5.85	12.60	H
	5620.5	-35.03	-13	-22.03	-57.73	-40.83	7.30	13.10	H
	7494	-51.17	-13	-38.17	-77.39	-54.32	8.35	11.50	H
	3747	-38.08	-13	-25.08	-55.91	-44.83	5.85	12.60	V
	5620.5	-35.08	-13	-22.08	-57.5	-40.88	7.30	13.10	V
	7494	-50.71	-13	-37.71	-76.92	-53.86	8.35	11.50	V
Highest	3792	-36.17	-13	-23.17	-53.97	-42.91	5.88	12.62	H
	5688	-35.99	-13	-22.99	-59.10	-41.80	7.32	13.13	H
	7584	-51.08	-13	-38.08	-77.18	-54.24	8.38	11.54	H
	3792	-38.59	-13	-25.59	-56.36	-45.33	5.88	12.62	V
	5688	-35.90	-13	-22.90	-58.61	-41.71	7.32	13.13	V
	7584	-51.22	-13	-38.22	-77.28	-54.38	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	1629.5	-54.37	-13	-41.37	-63.74	-57.60	3.98	9.36	H
	2444.25	-49.71	-13	-36.71	-63.88	-53.26	4.85	10.55	H
	3259	-57.82	-13	-44.82	-74.81	-62.75	5.50	12.58	H
	4073.75	-61.61	-13	-48.61	-79.67	-66.08	5.98	12.60	H
	1629.5	-58.32	-13	-45.32	-67.59	-61.55	3.98	9.36	V
	2444.25	-57.46	-13	-44.46	-71.61	-61.01	4.85	10.55	V
	3259	-56.51	-13	-43.51	-73.36	-61.44	5.50	12.58	V
	4073.75	-60.60	-13	-47.60	-78.67	-65.07	5.98	12.60	V
Middle	1649.5	-57.57	-13	-44.57	-66.96	-60.82	4.00	9.40	H
	2474.25	-57.88	-13	-44.88	-72.04	-61.45	4.88	10.60	H
	3299	-58.43	-13	-45.43	-74.93	-63.36	5.52	12.60	H
	4123.75	-60.70	-13	-47.70	-78.80	-65.17	6.00	12.62	H
	1649.5	-58.19	-13	-45.19	-67.32	-61.44	4.00	9.40	V
	2474.25	-58.45	-13	-45.45	-72.58	-62.02	4.88	10.60	V
	3299	-59.02	-13	-46.02	-75.33	-63.95	5.52	12.60	V
	4123.75	-60.40	-13	-47.40	-78.51	-64.87	6.00	12.62	V
Highest	1669.5	-60.60	-13	-47.60	-70.10	-63.77	4.10	9.42	H
	2504.25	-57.40	-13	-44.40	-71.60	-60.98	4.90	10.63	H
	3339	-62.01	-13	-49.01	-78.10	-66.93	5.55	12.62	H
	1669.5	-60.95	-13	-47.95	-70.05	-64.12	4.10	9.42	V
	2504.25	-58.62	-13	-45.62	-72.78	-62.20	4.90	10.63	V
	3339	-61.39	-13	-48.39	-77.21	-66.31	5.55	12.62	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	5062.00	-41.53	-25	-16.53	-63.43	-47.09	7.12	12.68	H
	7593.00	-52.57	-25	-27.57	-78.65	-55.90	8.26	11.59	H
	10124.00	-43.22	-25	-18.22	-74.81	-44.75	10.45	11.98	H
	5062.00	-39.50	-25	-14.50	-61.54	-45.06	7.12	12.68	V
	7593.00	-52.12	-25	-27.12	-78.15	-55.45	8.26	11.59	V
	10124.00	-40.81	-25	-15.81	-71.03	-42.34	10.45	11.98	V
Middle	5172.00	-45.52	-25	-20.52	-67.12	-51.08	7.14	12.70	H
	7758.00	-52.07	-25	-27.07	-78.47	-55.37	8.30	11.60	H
	10344.00	-43.67	-25	-18.67	-75.26	-45.19	10.48	12.00	H
	5172.00	-43.34	-25	-18.34	-65.21	-48.90	7.14	12.70	V
	7758.00	-50.47	-25	-25.47	-76.71	-53.77	8.30	11.60	V
	10344.00	-37.72	-25	-12.72	-68.44	-39.24	10.48	12.00	V
Highest	5282.00	-44.13	-25	-19.13	-65.62	-49.69	7.16	12.72	H
	7923.00	-45.61	-25	-20.61	-73.22	-48.91	8.33	11.63	H
	10564.00	-44.56	-25	-19.56	-76.25	-46.16	10.50	12.10	H
	5282.00	-40.46	-25	-15.46	-62.08	-46.02	7.16	12.72	V
	7923.00	-45.98	-25	-20.98	-73.36	-49.28	8.33	11.63	V
	10564.00	-38.30	-25	-13.30	-69.49	-39.90	10.50	12.10	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	3422	-37.88	-13	-24.88	-54.51	-44.76	5.60	12.48	H
	5133	-44.33	-13	-31.33	-66.10	-50.01	7.10	12.78	H
	6844	-46.76	-13	-33.76	-72.02	-50.15	8.38	11.77	H
	3422	-37.76	-13	-24.76	-54.48	-44.64	5.60	12.48	V
	5133	-43.45	-13	-30.45	-65.44	-49.13	7.10	12.78	V
	6844	-45.59	-13	-32.59	-71.35	-48.98	8.38	11.77	V
Middle	3472	-36.51	-13	-23.51	-53.45	-43.36	5.65	12.50	H
	5208	-43.43	-13	-30.43	-64.86	-49.10	7.13	12.80	H
	6944	-45.37	-13	-32.37	-71.29	-48.77	8.40	11.80	H
	3472	-36.84	-13	-23.84	-53.8	-43.69	5.65	12.50	V
	5208	-43.09	-13	-30.09	-64.77	-48.76	7.13	12.80	V
	6944	-45.78	-13	-32.78	-72.17	-49.18	8.40	11.80	V
Highest	3522	-37.61	-13	-24.61	-54.85	-44.45	5.68	12.52	H
	5283	-44.15	-13	-31.15	-65.64	-49.82	7.15	12.82	H
	7044	-46.87	-13	-33.87	-73.17	-50.30	8.42	11.85	H
	3522	-37.75	-13	-24.75	-54.93	-44.59	5.68	12.52	V
	5283	-44.31	-13	-31.31	-65.93	-49.98	7.15	12.82	V
	7044	-46.45	-13	-33.45	-73.18	-49.88	8.42	11.85	V

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

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	-52.72	-13	-39.72	-61.84	-55.95	3.98	9.36	H
	1992	-64.98	-13	-51.98	-75.78	-68.53	4.85	10.55	H
	2656	-62.17	-13	-49.17	-76.83	-67.10	5.50	12.58	H
	1328	-55.59	-13	-42.59	-64.35	-58.82	3.98	9.36	V
	1992	-64.16	-13	-51.16	-74.81	-67.71	4.85	10.55	V
	2656	-62.33	-13	-49.33	-76.96	-67.26	5.50	12.58	V
Middle	1343	-52.27	-13	-39.27	-61.52	-55.52	4.00	9.40	H
	2014.5	-64.86	-13	-51.86	-76.00	-68.43	4.88	10.60	H
	2686	-62.23	-13	-49.23	-77.14	-67.16	5.52	12.60	H
	1343	-58.61	-13	-45.61	-67.49	-61.86	4.00	9.40	V
	2014.5	-64.80	-13	-51.80	-75.83	-68.37	4.88	10.60	V
	2686	-62.12	-13	-49.12	-77.05	-67.05	5.52	12.60	V
Highest	1358	-58.00	-13	-45.00	-67.49	-61.17	4.10	9.42	H
	2037	-64.28	-13	-51.28	-75.72	-67.86	4.90	10.63	H
	2716	-62.38	-13	-49.38	-77.55	-67.30	5.55	12.62	H
	1358	-59.01	-13	-46.01	-68.11	-62.18	4.10	9.42	V
	2037	-64.35	-13	-51.35	-75.69	-67.93	4.90	10.63	V
	2716	-62.39	-13	-49.39	-77.62	-67.31	5.55	12.62	V

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