



## **Radiated Spurious Emission**



<EUT with Adapter 1 and Battery 1>

**LTE Band 2**

LTE Band 2 / 1.4MHz / 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	3700	-50.49	-13	-37.49	-71	-57.06	1.67	8.24	H
	5555	-39.50	-13	-26.50	-66.13	-46.57	2.66	9.72	H
	7403	-43.01	-13	-30.01	-76.24	-52.16	2.46	11.61	H
	9251	-39.88	-13	-26.88	-77.3	-49.94	2.54	12.60	H
									H
									H
	3700	-50.78	-13	-37.78	-71.29	-57.35	1.67	8.24	V
	5555	-45.07	-13	-32.07	-71.7	-52.14	2.66	9.72	V
	7403	-47.00	-13	-34.00	-80.23	-56.15	2.46	11.61	V
	9251	-43.34	-13	-30.34	-80.76	-53.4	2.54	12.60	V
									V
									V
Middle	3763	-50.87	-13	-37.87	-71.47	-57.5	1.69	8.32	H
	5639	-41.86	-13	-28.86	-68.74	-48.91	2.71	9.76	H
	7522	-44.31	-13	-31.31	-77.75	-53.7	2.42	11.81	H
									H
									H
									H
	3763	-53.32	-13	-40.32	-73.92	-59.95	1.69	8.32	V
	5639	-47.55	-13	-34.55	-74.43	-54.6	2.71	9.76	V
	7522	-46.64	-13	-33.64	-80.08	-56.03	2.42	11.81	V
									V
									V
									V



Highest	3819	-49.35	-13	-36.35	-70.03	-56.03	1.70	8.38	H
	5730	-45.60	-13	-32.60	-72.75	-52.63	2.76	9.79	H
	7634	-42.77	-13	-29.77	-76.37	-52.26	2.39	11.88	H
									H
									H
									H
									H
	3819	-52.47	-13	-39.47	-73.15	-59.15	1.70	8.38	V
	5730	-48.20	-13	-35.20	-75.35	-55.23	2.76	9.79	V
	7634	-44.20	-13	-31.20	-77.8	-53.69	2.39	11.88	V
									V
									V
									V
									V

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



LTE Band 2 / 3MHz / 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	3707	-50.36	-13	-37.36	-70.87	-56.94	1.67	8.25	H
	5555	-38.23	-13	-25.23	-64.86	-45.3	2.66	9.72	H
	7410	-41.71	-13	-28.71	-74.94	-50.87	2.46	11.62	H
	9258	-39.26	-13	-26.26	-76.76	-49.32	2.54	12.60	H
									H
									H
									H
	3707	-51.09	-13	-38.09	-71.6	-57.67	1.67	8.25	V
	5555	-42.07	-13	-29.07	-68.7	-49.14	2.66	9.72	V
	7410	-46.54	-13	-33.54	-79.77	-55.7	2.46	11.62	V
	9258	-43.33	-13	-30.33	-80.83	-53.39	2.54	12.60	V
									V
									V
									V
Middle	3763	-49.71	-13	-36.71	-70.38	-56.34	1.69	8.32	H
	5639	-40.01	-13	-27.01	-67.16	-47.06	2.71	9.76	H
	7522	-42.33	-13	-29.33	-75.56	-51.72	2.42	11.81	H
									H
									H
									H
									H
	3763	-51.49	-13	-38.49	-72.48	-58.12	1.69	8.32	V
	5639	-41.66	-13	-28.66	-68.73	-48.71	2.71	9.76	V
	7522	-46.04	-13	-33.04	-80.16	-55.43	2.42	11.81	V
									V
									V
									V
									V



Highest	3819	-48.11	-13	-35.11	-68.79	-54.79	1.70	8.38	H
	5723	-43.22	-13	-30.22	-70.37	-50.26	2.75	9.79	H
	7634	-41.03	-13	-28.03	-74.63	-50.52	2.39	11.88	H
									H
									H
									H
									H
	3819	-52.15	-13	-39.15	-72.83	-58.83	1.70	8.38	V
	5723	-44.12	-13	-31.12	-71.27	-51.16	2.75	9.79	V
	7634	-43.89	-13	-30.89	-77.49	-53.38	2.39	11.88	V
									V
									V
									V
									V

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



LTE Band 2 / 5MHz / 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	3700	-53.71	-13	-40.71	-74.14	-60.28	1.67	8.24	H
	5555	-43.95	-13	-30.95	-69.78	-51.02	2.66	9.72	H
	7403	-46.79	-13	-33.79	-79.34	-55.94	2.46	11.61	H
									H
									H
									H
									H
	3700	-53.58	-13	-40.58	-74.26	-60.15	1.67	8.24	V
	5555	-46.26	-13	-33.26	-73.56	-53.33	2.66	9.72	V
	7403	-47.14	-13	-34.14	-80.44	-56.29	2.46	11.61	V
									V
									V
									V
									V
Middle	3756	-50.64	-13	-37.64	-71.23	-57.26	1.68	8.31	H
	5632	-39.28	-13	-26.28	-66.6	-46.33	2.70	9.75	H
	7515	-41.69	-13	-28.69	-74.62	-51.07	2.42	11.81	H
	9391	-41.64	-13	-28.64	-80.06	-51.62	2.57	12.54	H
									H
									H
									H
	3756	-52.60	-13	-39.60	-73.38	-59.22	1.68	8.31	V
	5632	-41.01	-13	-28.01	-68.58	-48.06	2.70	9.75	V
	7515	-45.79	-13	-32.79	-79.17	-55.17	2.42	11.81	V
	9391	-42.10	-13	-29.10	-81.2	-52.08	2.57	12.54	V
									V
									V
									V
								V	



Highest	3819	-48.60	-13	-35.60	-68.7	-55.28	1.70	8.38	H
	5730	-42.14	-13	-29.14	-69.15	-49.17	2.76	9.79	H
	7641	-39.55	-13	-26.55	-73.48	-49.05	2.38	11.88	H
	9552	-40.50	-13	-27.50	-79.75	-50.37	2.60	12.47	H
									H
									H
									H
	3819	-51.57	-13	-38.57	-74.42	-58.25	1.70	8.38	V
	5730	-40.58	-13	-27.58	-67.38	-47.61	2.76	9.79	V
	7641	-41.44	-13	-28.44	-75.62	-50.94	2.38	11.88	V
	9552	-41.46	-13	-28.46	-80.9	-51.33	2.60	12.47	V
									V
									V
									V

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



LTE Band 2 / 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	3714	-49.69	-13	-36.69	-70.48	-56.28	1.67	8.26	H
	5569	-42.27	-13	-29.27	-68.76	-49.33	2.66	9.73	H
	7424	-41.71	-13	-28.71	-74.94	-50.9	2.45	11.65	H
	9279	-39.06	-13	-26.06	-76.96	-49.11	2.54	12.59	H
									H
									H
									H
	3714	-52.64	-13	-39.64	-72.78	-59.23	1.67	8.26	V
	5569	-46.66	-13	-33.66	-72.75	-53.72	2.66	9.73	V
	7424	-45.89	-13	-32.89	-78.79	-55.08	2.45	11.65	V
	9279	-42.04	-13	-29.04	-80.15	-52.09	2.54	12.59	V
									V
									V
									V
Middle	3763	-49.58	-13	-36.58	-69.68	-56.21	1.69	8.32	H
	5639	-43.64	-13	-30.64	-69.93	-50.69	2.71	9.76	H
	7522	-41.63	-13	-28.63	-75.06	-51.02	2.42	11.81	H
	9398	-40.36	-13	-27.36	-78.34	-50.33	2.57	12.54	H
									H
									H
									H
	3763	-50.88	-13	-37.88	-71.23	-57.51	1.69	8.32	V
	5639	-48.78	-13	-35.78	-75.13	-55.83	2.71	9.76	V
	7522	-45.70	-13	-32.70	-79.1	-55.09	2.42	11.81	V
	9398	-42.48	-13	-29.48	-80.7	-52.45	2.57	12.54	V
									V
									V
									V



Highest	3812	-46.58	-13	-33.58	-66.78	-53.25	1.70	8.37	H
	5716	-40.12	-13	-27.12	-67.97	-47.16	2.75	9.79	H
	7620	-42.44	-13	-29.44	-74.63	-51.92	2.39	11.87	H
	9524	-40.17	-13	-27.17	-79.13	-50.06	2.59	12.49	H
									H
									H
									H
	3812	-50.27	-13	-37.27	-71.2	-56.94	1.70	8.37	V
	5716	-46.29	-13	-33.29	-73.31	-53.33	2.75	9.79	V
	7620	-43.36	-13	-30.36	-77.14	-52.84	2.39	11.87	V
	9524	-42.22	-13	-29.22	-80.93	-52.11	2.59	12.49	V
									V
									V
									V

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



LTE Band 2 / 15MHz / 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	3728	-51.46	-13	-38.46	-72.1	-58.06	1.68	8.27	H
	5590	-38.75	-13	-25.75	-65.43	-45.81	2.68	9.74	H
	7459	-41.83	-13	-28.83	-74.56	-51.11	2.44	11.72	H
	9321	-39.27	-13	-26.27	-77.76	-49.29	2.55	12.57	H
									H
									H
									H
	3728	-52.93	-13	-39.93	-73.16	-59.53	1.68	8.27	V
	5590	-45.10	-13	-32.10	-72.43	-52.16	2.68	9.74	V
	7459	-44.81	-13	-31.81	-77.88	-54.09	2.44	11.72	V
	9321	-41.40	-13	-28.40	-79.19	-51.42	2.55	12.57	V
									V
									V
									V
Middle	3749	-51.66	-13	-38.66	-72.05	-58.28	1.68	8.30	H
	5618	-41.06	-13	-28.06	-68.22	-48.11	2.69	9.75	H
	7494	-41.93	-13	-28.93	-75.3	-51.29	2.43	11.79	H
	9370	-41.09	-13	-28.09	-79.79	-51.08	2.56	12.55	H
									H
									H
									H
	3777	-52.85	-13	-39.85	-73.55	-59.49	1.69	8.33	V
	5660	-46.26	-13	-33.26	-73.45	-53.31	2.72	9.76	V
	7550	-45.06	-13	-32.06	-79.31	-54.48	2.41	11.83	V
	9433	-43.13	-13	-30.13	-81.32	-53.08	2.58	12.53	V
									V
									V
									V



Highest	3791	-50.64	-13	-37.64	-71.2	-57.29	1.70	8.35	H
	5688	-44.07	-13	-31.07	-71.24	-51.11	2.73	9.78	H
	7585	-40.93	-13	-27.93	-73.72	-50.38	2.40	11.85	H
	9482	-41.72	-13	-28.72	-80.17	-51.64	2.59	12.51	H
									H
									H
									H
	3791	-52.39	-13	-39.39	-73.08	-59.04	1.70	8.35	V
	5688	-47.11	-13	-34.11	-74.59	-54.15	2.73	9.78	V
	7585	-41.49	-13	-28.49	-74.87	-50.94	2.40	11.85	V
	9482	-42.82	-13	-29.82	-81.08	-52.74	2.59	12.51	V
									V
									V
									V

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



LTE Band 2 / 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	3721	-50.39	-13	-37.39	-71.28	-56.98	1.67	8.27	H
	5583	-39.99	-13	-26.99	-65.85	-47.05	2.67	9.73	H
	7438	-41.61	-13	-28.61	-74.36	-50.84	2.45	11.68	H
	9300	-40.63	-13	-27.63	-77.92	-50.66	2.55	12.58	H
									H
									H
									H
	3721	-51.57	-13	-38.57	-72.36	-58.16	1.67	8.27	V
	5583	-45.38	-13	-32.38	-71.75	-52.44	2.67	9.73	V
	7438	-45.68	-13	-32.68	-78.46	-54.91	2.45	11.68	V
	9300	-43.79	-13	-30.79	-80.8	-53.82	2.55	12.58	V
									V
									V
									V
Middle	3763	-50.45	-13	-37.45	-70.88	-57.08	1.69	8.32	H
	5639	-41.20	-13	-28.20	-68.83	-48.25	2.71	9.76	H
	7522	-43.45	-13	-30.45	-76.53	-52.84	2.42	11.81	H
	9398	-41.52	-13	-28.52	-80.2	-51.49	2.57	12.54	H
									H
									H
									H
	3763	-52.41	-13	-39.41	-73.41	-59.04	1.69	8.32	V
	5639	-47.13	-13	-34.13	-74.21	-54.18	2.71	9.76	V
	7522	-45.82	-13	-32.82	-79.28	-55.21	2.42	11.81	V
	9398	-42.46	-13	-29.46	-81.26	-52.43	2.57	12.54	V
									V
									V
									V



Highest	3798	-49.74	-13	-36.74	-69.68	-56.4	1.70	8.36	H
	5702	-40.18	-13	-27.18	-67.67	-47.22	2.74	9.78	H
	7599	-40.30	-13	-27.30	-74	-49.76	2.40	11.86	H
									H
									H
									H
									H
	3798	-52.38	-13	-39.38	-72.82	-59.04	1.70	8.36	V
	5702	-45.82	-13	-32.82	-72.3	-52.86	2.74	9.78	V
	7599	-43.86	-13	-30.86	-76.66	-53.32	2.40	11.86	V
									V
									V
									V
									V

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



## LTE Band 4

LTE Band 4 / 1.4MHz / 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	-55.21	-13	-42.21	-75.21	-61.28	1.58	7.65	H
	5135	-45.03	-13	-32.03	-70.57	-52.32	2.41	9.70	H
	6843	-46.73	-13	-33.73	-78.7	-54.7	2.64	10.61	H
	8551	-37.10	-13	-24.10	-71.87	-47.23	2.39	12.52	H
									H
									H
									H
	3420	-55.26	-13	-42.26	-75.26	-61.33	1.58	7.65	V
	5135	-48.97	-13	-35.97	-74.51	-56.26	2.41	9.70	V
	6843	-48.79	-13	-35.79	-80.76	-56.76	2.64	10.61	V
	8551	-42.10	-13	-29.10	-76.87	-52.23	2.39	12.52	V
									V
									V
									V
Middle	3462	-55.73	-13	-42.73	-75.87	-61.97	1.59	7.83	H
	5198	-42.59	-13	-29.59	-68.3	-49.84	2.45	9.70	H
	6927	-45.94	-13	-32.94	-78.17	-54.04	2.61	10.71	H
	8663	-38.87	-13	-25.87	-73.99	-49.02	2.41	12.57	H
									H
									H
									H
	3462	-55.94	-13	-42.94	-76.08	-62.18	1.59	7.83	V
	5198	-46.62	-13	-33.62	-72.33	-53.87	2.45	9.70	V
	6927	-47.80	-13	-34.80	-80.03	-55.9	2.61	10.71	V
	8663	-43.98	-13	-30.98	-79.1	-54.13	2.41	12.57	V
									V
									V
									V



Highest	3511	-52.51	-13	-39.51	-72.75	-58.92	1.61	8.01	H
	5261	-38.50	-13	-25.50	-64.37	-45.71	2.49	9.70	H
	7018	-44.97	-13	-31.97	-77.44	-53.22	2.58	10.84	H
	8768	-38.19	-13	-25.19	-73.6	-48.36	2.43	12.61	H
									H
									H
									H
	3511	-54.67	-13	-41.67	-74.91	-61.08	1.61	8.01	V
	5261	-43.53	-13	-30.53	-69.4	-50.74	2.49	9.70	V
	7018	-47.24	-13	-34.24	-79.71	-55.49	2.58	10.84	V
	8775	-42.52	-13	-29.52	-77.93	-52.7	2.43	12.61	V
									V
									V
									V

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



LTE Band 4 / 3MHz / 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	3427	-55.34	-13	-42.34	-75.39	-61.44	1.58	7.68	H
	5135	-44.91	-13	-31.91	-70.46	-52.2	2.41	9.70	H
	6850	-46.53	-13	-33.53	-78.51	-54.51	2.64	10.62	H
	8558	-36.05	-13	-23.05	-70.87	-46.19	2.39	12.52	H
									H
									H
									H
	3427	-55.16	-13	-42.16	-75.21	-61.26	1.58	7.68	V
	5135	-47.83	-13	-34.83	-73.38	-55.12	2.41	9.70	V
	6850	-48.37	-13	-35.37	-80.35	-56.35	2.64	10.62	V
	8558	-41.46	-13	-28.46	-76.28	-51.6	2.39	12.52	V
									V
									V
									V
Middle	3469	-56.02	-13	-43.02	-76.18	-62.29	1.59	7.86	H
	5198	-44.16	-13	-31.16	-69.88	-51.41	2.45	9.70	H
	6934	-44.94	-13	-31.94	-77.16	-53.05	2.61	10.72	H
	8663	-34.54	-13	-21.54	-69.68	-44.69	2.41	12.57	H
									H
									H
									H
	3469	-55.72	-13	-42.72	-75.87	-61.99	1.59	7.86	V
	5198	-46.49	-13	-33.49	-72.21	-53.74	2.45	9.70	V
	6934	-47.13	-13	-34.13	-79.35	-55.24	2.61	10.72	V
	8663	-43.37	-13	-30.37	-78.5	-53.52	2.41	12.57	V
									V
									V
									V



Highest	3511	-51.99	-13	-38.99	-72.24	-58.4	1.61	8.01	H
	5261	-38.77	-13	-25.77	-64.65	-45.98	2.49	9.70	H
	7018	-43.41	-13	-30.41	-75.89	-51.66	2.58	10.84	H
	8768	-37.24	-13	-24.24	-72.66	-47.41	2.43	12.61	H
									H
									H
									H
	3511	-54.53	-13	-41.53	-74.78	-60.94	1.61	8.01	V
	5261	-43.96	-13	-30.96	-69.84	-51.17	2.49	9.70	V
	7018	-46.98	-13	-33.98	-79.46	-55.23	2.58	10.84	V
	8768	-42.68	-13	-29.68	-78.1	-52.85	2.43	12.61	V
									V
									V
									V

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



LTE Band 4 / 5MHz / 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	3427	-54.87	-13	-41.87	-74.92	-60.97	1.58	7.68	H
	5135	-44.15	-13	-31.15	-69.7	-51.44	2.41	9.70	H
	6850	-44.39	-13	-31.39	-76.37	-52.37	2.64	10.62	H
	8565	-34.89	-13	-21.89	-69.73	-45.03	2.39	12.53	H
									H
									H
									H
	3427	-55.49	-13	-42.49	-75.54	-61.59	1.58	7.68	V
	5135	-49.12	-13	-36.12	-74.67	-56.41	2.41	9.70	V
	6850	-48.00	-13	-35.00	-79.98	-55.98	2.64	10.62	V
	8565	-41.72	-13	-28.72	-76.56	-51.86	2.39	12.53	V
									V
									V
									V
Middle	3462	-56.86	-13	-43.86	-77.01	-63.1	1.59	7.83	H
	5198	-45.83	-13	-32.83	-71.55	-53.08	2.45	9.70	H
	6927	-45.81	-13	-32.81	-78.05	-53.91	2.61	10.71	H
	8663	-35.57	-13	-22.57	-70.7	-45.72	2.41	12.57	H
									H
									H
									H
	3462	-56.03	-13	-43.03	-76.18	-62.27	1.59	7.83	V
	5198	-48.32	-13	-35.32	-74.04	-55.57	2.45	9.70	V
	6927	-47.53	-13	-34.53	-79.77	-55.63	2.61	10.71	V
	8663	-42.98	-13	-29.98	-78.11	-53.13	2.41	12.57	V
									V
									V
									V



Highest	3504	-52.85	-13	-39.85	-73.18	-59.25	1.61	8.00	H
	5261	-40.88	-13	-27.88	-66.76	-48.09	2.49	9.70	H
	7011	-44.08	-13	-31.08	-76.56	-52.32	2.59	10.82	H
	8761	-35.58	-13	-22.58	-70.99	-45.75	2.43	12.60	H
									H
									H
									H
	3504	-53.89	-13	-40.89	-74.12	-60.29	1.61	8.00	V
	5261	-45.72	-13	-32.72	-71.6	-52.93	2.49	9.70	V
	7011	-46.82	-13	-33.82	-79.3	-55.06	2.59	10.82	V
	8761	-42.89	-13	-29.89	-78.3	-53.06	2.43	12.60	V
									V
									V
									V

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



LTE Band 4 / 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	3420	-53.98	-13	-40.98	-73.99	-60.05	1.58	7.65	H
	5135	-44.41	-13	-31.41	-69.96	-51.7	2.41	9.70	H
	6843	-46.20	-13	-33.20	-78.18	-54.17	2.64	10.61	H
	8551	-35.48	-13	-22.48	-70.26	-45.61	2.39	12.52	H
									H
									H
									H
	3420	-56.30	-13	-43.30	-76.31	-62.37	1.58	7.65	V
	5135	-49.36	-13	-36.36	-74.91	-56.65	2.41	9.70	V
	6843	-48.47	-13	-35.47	-80.45	-56.44	2.64	10.61	V
	8551	-43.42	-13	-30.42	-78.2	-53.55	2.39	12.52	V
									V
									V
									V
Middle	3455	-54.06	-13	-41.06	-74.15	-60.27	1.59	7.80	H
	5184	-42.79	-13	-29.79	-68.46	-50.05	2.44	9.70	H
	6910	-46.21	-13	-33.21	-78.39	-54.28	2.62	10.69	H
	8642	-34.59	-13	-21.59	-69.66	-44.74	2.41	12.56	H
									H
									H
									H
	3455	-55.66	-13	-42.66	-75.75	-61.87	1.59	7.80	V
	5184	-47.89	-13	-34.89	-73.56	-55.15	2.44	9.70	V
	6910	-47.94	-13	-34.94	-80.12	-56.01	2.62	10.69	V
	8642	-42.57	-13	-29.57	-77.64	-52.72	2.41	12.56	V
									V
									V
									V



Highest	3490	-55.37	-13	-42.37	-75.56	-61.72	1.60	7.96	H
	5240	-40.86	-13	-27.86	-66.77	-48.08	2.48	9.70	H
	6983	-44.38	-13	-31.38	-76.77	-52.56	2.60	10.78	H
	8726	-37.18	-13	-24.18	-72.46	-47.35	2.42	12.59	H
									H
									H
									H
	3490	-56.74	-13	-43.74	-76.93	-63.09	1.60	7.96	V
	5240	-47.47	-13	-34.47	-73.28	-54.69	2.48	9.70	V
	6983	-47.31	-13	-34.31	-79.7	-55.49	2.60	10.78	V
	8726	-43.31	-13	-30.31	-78.59	-53.48	2.42	12.59	V
									V
									V
									V

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



LTE Band 4 / 15MHz / 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	-52.78	-13	-39.78	-72.79	-58.85	1.58	7.65	H
	5135	-44.17	-13	-31.17	-69.72	-51.46	2.41	9.70	H
	6843	-45.84	-13	-32.84	-77.82	-53.81	2.64	10.61	H
	8558	-35.98	-13	-22.98	-70.8	-46.12	2.39	12.52	H
									H
									H
									H
	3420	-55.96	-13	-42.96	-75.97	-62.03	1.58	7.65	V
	5135	-49.22	-13	-36.22	-74.77	-56.51	2.41	9.70	V
	6843	-48.49	-13	-35.49	-80.47	-56.46	2.64	10.61	V
	8558	-42.80	-13	-29.80	-77.62	-52.94	2.39	12.52	V
									V
									V
									V
Middle	3455	-52.89	-13	-39.89	-72.98	-59.1	1.59	7.80	H
	5177	-43.86	-13	-30.86	-69.53	-51.12	2.44	9.70	H
	6906	-45.38	-13	-32.38	-77.5	-53.45	2.62	10.69	H
	8628	-36.49	-13	-23.49	-71.5	-46.64	2.40	12.55	H
									H
									H
									H
	3455	-55.65	-13	-42.65	-75.74	-61.86	1.59	7.80	V
	5177	-47.97	-13	-34.97	-73.64	-55.23	2.44	9.70	V
	6906	-48.00	-13	-35.00	-80.12	-56.07	2.62	10.69	V
	8628	-43.87	-13	-30.87	-78.88	-54.02	2.40	12.55	V
									V
									V
									V



Highest	3483	-54.87	-13	-41.87	-75.06	-61.2	1.60	7.93	H
	5226	-41.38	-13	-28.38	-67.19	-48.61	2.47	9.70	H
	6962	-44.80	-13	-31.80	-77.14	-52.95	2.60	10.75	H
	8705	-37.47	-13	-24.47	-72.69	-47.63	2.42	12.58	H
									H
									H
									H
	3483	-56.29	-13	-43.29	-76.48	-62.62	1.60	7.93	V
	5226	-47.19	-13	-34.19	-73	-54.42	2.47	9.70	V
	6962	-47.58	-13	-34.58	-79.92	-55.73	2.60	10.75	V
	8705	-43.05	-13	-30.05	-78.27	-53.21	2.42	12.58	V
									V
									V
									V

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



LTE Band 4 / 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	-54.90	-13	-41.90	-74.91	-60.97	1.58	7.65	H
	5135	-43.61	-13	-30.61	-69.16	-50.9	2.41	9.70	H
	6843	-45.80	-13	-32.80	-77.78	-53.77	2.64	10.61	H
	8558	-36.18	-13	-23.18	-71	-46.32	2.39	12.52	H
									H
									H
									H
	3420	-56.40	-13	-43.40	-76.41	-62.47	1.58	7.65	V
	5135	-48.77	-13	-35.77	-74.32	-56.06	2.41	9.70	V
	6843	-48.39	-13	-35.39	-80.37	-56.36	2.64	10.61	V
	8558	-41.83	-13	-28.83	-76.65	-51.97	2.39	12.52	V
									V
									V
									V
Middle	3448	-52.98	-13	-39.98	-73.07	-59.16	1.59	7.77	H
	5170	-44.97	-13	-31.97	-70.6	-52.24	2.43	9.70	H
	6892	-46.62	-13	-33.62	-78.76	-54.67	2.63	10.67	H
	8621	-36.13	-13	-23.13	-71.11	-46.28	2.40	12.55	H
									H
									H
									H
	3448	-55.92	-13	-42.92	-76.01	-62.1	1.59	7.77	V
	5170	-48.87	-13	-35.87	-74.5	-56.14	2.43	9.70	V
	6892	-48.18	-13	-35.18	-80.32	-56.23	2.63	10.67	V
	8621	-42.39	-13	-29.39	-77.37	-52.54	2.40	12.55	V
									V
									V
									V



Highest	3476	-54.08	-13	-41.08	-74.27	-60.38	1.60	7.89	H
	5212	-42.61	-13	-29.61	-68.37	-49.85	2.46	9.70	H
	6948	-44.70	-13	-31.70	-76.99	-52.83	2.61	10.74	H
	8684	-36.91	-13	-23.91	-72.07	-47.07	2.41	12.57	H
									H
									H
									H
	3476	-56.02	-13	-43.02	-76.21	-62.32	1.60	7.89	V
	5212	-48.50	-13	-35.50	-74.26	-55.74	2.46	9.70	V
	6948	-47.50	-13	-34.50	-79.79	-55.63	2.61	10.74	V
	8684	-42.82	-13	-29.82	-77.98	-52.98	2.41	12.57	V
									V
									V
									V

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



## LTE Band 12

LTE Band 12 / 1.4MHz / 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	-46.28	-13.00	-33.28	-58.62	-47.94	0.87	4.68	H
	2096	-47.65	-13.00	-34.65	-62.13	-48.52	1.16	4.19	H
	3496	-53.80	-13.00	-40.80	-73.66	-58.03	1.60	7.98	H
									H
									H
									H
									H
	1400	-50.17	-13.00	-37.17	-62.39	-51.83	0.87	4.68	V
	2096	-48.38	-13.00	-35.38	-62.54	-49.25	1.16	4.19	V
	3496	-54.94	-13.00	-41.94	-74.44	-59.17	1.60	7.98	V
									V
									V
									V
									V
Middle	1416	-48.96	-13.00	-35.96	-60.60	-50.71	0.87	4.78	H
	2120	-47.01	-13.00	-34.01	-61.93	-47.95	1.17	4.26	H
	3536	-49.79	-13.00	-36.79	-69.66	-54.07	1.62	8.04	H
									H
									H
									H
									H
	1416	-51.97	-13.00	-38.97	-63.56	-53.72	0.87	4.78	V
	2120	-46.11	-13.00	-33.11	-61.30	-47.05	1.17	4.26	V
	3536	-49.60	-13.00	-36.60	-69.45	-53.88	1.62	8.04	V
									V
									V
									V
									V



Highest	1432	-56.19	-13.00	-43.19	-68.40	-58.04	0.88	4.88	H
	2144	-55.29	-13.00	-42.29	-69.72	-56.29	1.18	4.33	H
	3576	-54.12	-13.00	-41.12	-75.24	-58.43	1.63	8.09	H
									H
									H
									H
									H
	1432	-54.44	-13.00	-41.44	-66.26	-56.29	0.88	4.88	V
	2144	-52.84	-13.00	-39.84	-67.51	-53.84	1.18	4.33	V
	3576	-51.80	-13.00	-38.80	-71.88	-56.11	1.63	8.09	V
									V
									V
									V
									V

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



LTE Band 12 / 3MHz / 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	-47.60	-13.00	-34.60	-58.95	-49.26	0.87	4.68	H
	2096	-49.64	-13.00	-36.64	-63.76	-50.51	1.16	4.19	H
	3496	-53.10	-13.00	-40.10	-73.92	-57.33	1.60	7.98	H
									H
									H
									H
									H
	1400	-51.97	-13.00	-38.97	-63.34	-53.63	0.87	4.68	V
	2096	-49.35	-13.00	-36.35	-64.12	-50.22	1.16	4.19	V
	3496	-54.48	-13.00	-41.48	-74.27	-58.71	1.60	7.98	V
									V
									V
									V
									V
Middle	1416	-52.63	-13.00	-39.63	-64.87	-54.38	0.87	4.78	H
	2120	-48.26	-13.00	-35.26	-63.41	-49.20	1.17	4.26	H
	3528	-50.44	-13.00	-37.44	-70.51	-54.71	1.61	8.03	H
									H
									H
									H
									H
	1416	-55.49	-13.00	-42.49	-67.90	-57.24	0.87	4.78	V
	2120	-49.95	-13.00	-36.95	-64.01	-50.89	1.17	4.26	V
	3528	-50.79	-13.00	-37.79	-70.31	-55.06	1.61	8.03	V
									V
									V
									V
									V
								V	



Highest	1424	-57.66	-13.00	-44.66	-69.34	-59.46	0.88	4.83	H
	2144	-52.71	-13.00	-39.71	-67.00	-53.71	1.18	4.33	H
	3568	-55.53	-13.00	-42.53	-75.91	-59.84	1.63	8.08	H
									H
									H
									H
									H
	1424	-57.66	-13.00	-44.66	-69.80	-59.46	0.88	4.83	V
	2144	-52.33	-13.00	-39.33	-66.86	-53.33	1.18	4.33	V
	3568	-54.47	-13.00	-41.47	-74.62	-58.78	1.63	8.08	V
									V
									V
									V
									V

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



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	1400	-45.63	-13.00	-32.63	-57.82	-47.29	0.87	4.68	H
	2096	-47.28	-13.00	-34.28	-61.88	-48.15	1.16	4.19	H
	3496	-53.81	-13.00	-40.81	-73.82	-58.04	1.60	7.98	H
									H
									H
									H
									H
	1400	-49.62	-13.00	-36.62	-62.22	-51.28	0.87	4.68	V
	2096	-48.80	-13.00	-35.80	-63.00	-49.67	1.16	4.19	V
	3496	-53.19	-13.00	-40.19	-74.07	-57.42	1.60	7.98	V
									V
									V
									V
									V
Middle	1408	-51.34	-13.00	-38.34	-63.51	-53.05	0.87	4.73	H
	2120	-47.28	-13.00	-34.28	-61.18	-48.22	1.17	4.26	H
	3528	-50.34	-13.00	-37.34	-70.52	-54.61	1.61	8.03	H
									H
									H
									H
									H
	1408	-55.31	-13.00	-42.31	-67.71	-57.02	0.87	4.73	V
	2120	-49.87	-13.00	-36.87	-63.85	-50.81	1.17	4.26	V
	3528	-51.70	-13.00	-38.70	-71.65	-55.97	1.61	8.03	V
									V
									V
									V
									V
								V	



Highest	1416	-50.74	-13.00	-37.74	-62.50	-52.49	0.87	4.78	H
	2120	-45.30	-13.00	-32.30	-59.79	-46.24	1.17	4.26	H
	3536	-51.59	-13.00	-38.59	-72.00	-55.87	1.62	8.04	H
									H
									H
									H
									H
	1416	-53.44	-13.00	-40.44	-65.34	-55.19	0.87	4.78	V
	2120	-48.08	-13.00	-35.08	-62.96	-49.02	1.17	4.26	V
	3536	-50.11	-13.00	-37.11	-70.30	-54.39	1.62	8.04	V
									V
									V
									V
									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	1416	-48.59	-13.00	-35.59	-60.27	-50.34	0.87	4.78	H
	2128	-49.22	-13.00	-36.22	-64.28	-50.18	1.17	4.28	H
	3544	-51.44	-13.00	-38.44	-71.81	-55.72	1.62	8.05	H
									H
									H
									H
									H
	1416	-49.40	-13.00	-36.40	-61.36	-51.15	0.87	4.78	V
	2128	-52.61	-13.00	-39.61	-67.11	-53.57	1.17	4.28	V
	3544	-51.03	-13.00	-38.03	-71.33	-55.31	1.62	8.05	V
									V
									V
									V
									V
Middle	1424	-52.45	-13.00	-39.45	-64.59	-54.25	0.88	4.83	H
	2136	-52.09	-13.00	-39.09	-66.75	-53.07	1.18	4.31	H
	3560	-55.89	-13.00	-42.89	-75.43	-60.19	1.62	8.07	H
									H
									H
									H
									H
	1424	-51.55	-13.00	-38.55	-63.43	-53.35	0.88	4.83	V
	2136	-53.11	-13.00	-40.11	-67.79	-54.09	1.18	4.31	V
	3560	-55.63	-13.00	-42.63	-75.84	-59.93	1.62	8.07	V
									V
									V
									V
									V



Highest	1432	-51.21	-13.00	-38.21	-63.24	-53.06	0.88	4.88	H
	2144	-50.84	-13.00	-37.84	-64.78	-51.84	1.18	4.33	H
	3576	-50.34	-13.00	-37.34	-71.23	-54.65	1.63	8.09	H
									H
									H
									H
									H
	1432	-51.20	-13.00	-38.20	-63.14	-53.05	0.88	4.88	V
	2144	-51.49	-13.00	-38.49	-66.27	-52.49	1.18	4.33	V
	3576	-49.50	-13.00	-36.50	-70.29	-53.81	1.63	8.09	V
									V
									V
									V
									V

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



<EUT with Adapter 2 and Battery 2>

**LTE Band 4**

LTE Band 4 / 3MHz / 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	3427	-54.07	-13	-41.07	-74.11	-60.17	1.58	7.68	H
	5135	-41.60	-13	-28.60	-67.14	-48.89	2.41	9.70	H
	6850	-45.54	-13	-32.54	-77.51	-53.52	2.64	10.62	H
	8558	-36.40	-13	-23.40	-71.21	-46.54	2.39	12.52	H
									H
									H
	3427	-54.31	-13	-41.31	-74.35	-60.41	1.58	7.68	V
	5135	-47.85	-13	-34.85	-73.39	-55.14	2.41	9.70	V
	6850	-48.12	-13	-35.12	-80.09	-56.1	2.64	10.62	V
	8558	-42.04	-13	-29.04	-76.85	-52.18	2.39	12.52	V
									V
									V
Middle	3469	-54.37	-13	-41.37	-74.51	-60.64	1.59	7.86	H
	5198	-38.51	-13	-25.51	-64.22	-45.76	2.45	9.70	H
	6934	-45.14	-13	-32.14	-77.35	-53.25	2.61	10.72	H
	8663	-35.66	-13	-22.66	-70.78	-45.81	2.41	12.57	H
									H
									H
	3469	-54.18	-13	-41.18	-74.32	-60.45	1.59	7.86	V
	5198	-45.17	-13	-32.17	-70.88	-52.42	2.45	9.70	V
	6934	-47.78	-13	-34.78	-79.99	-55.89	2.61	10.72	V
	8663	-42.92	-13	-29.92	-78.04	-53.07	2.41	12.57	V
									V
									V



Highest	3511	-54.60	-13	-41.60	-74.84	-61.01	1.61	8.01	H
	5261	-38.30	-13	-25.30	-64.17	-45.51	2.49	9.70	H
	7018	-43.59	-13	-30.59	-76.06	-51.84	2.58	10.84	H
	8768	-35.81	-13	-22.81	-71.22	-45.98	2.43	12.61	H
									H
									H
	3511	-53.76	-13	-40.76	-74	-60.17	1.61	8.01	V
	5261	-43.29	-13	-30.29	-69.16	-50.5	2.49	9.70	V
	7018	-46.14	-13	-33.14	-78.61	-54.39	2.58	10.84	V
	8768	-40.70	-13	-27.70	-76.11	-50.87	2.43	12.61	V
									V
									V

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