



Radiated Spurious Emission



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	-23.66	-13	-10.66	-38.15	-30.23	1.67	8.24	H
	5548	-58.59	-13	-45.59	-78.71	-65.66	2.65	9.72	H
	7403	-54.46	-13	-41.46	-79.93	-63.61	2.46	11.61	H
									H
									H
									H
	3700	-28.76	-13	-15.76	-43.16	-35.33	1.67	8.24	V
	5548	-60.19	-13	-47.19	-78.77	-67.26	2.65	9.72	V
	7403	-55.80	-13	-42.80	-80.06	-64.95	2.46	11.61	V
									V
									V
									V
									V
									V
Middle	3763	-26.61	-13	-13.61	-41.31	-33.24	1.69	8.32	H
	5646	-59.20	-13	-46.20	-79.1	-66.25	2.71	9.76	H
	7529	-54.63	-13	-41.63	-79.62	-64.03	2.42	11.82	H
									H
									H
									H
	3763	-31.28	-13	-18.28	-45.55	-37.91	1.69	8.32	V
	5646	-60.79	-13	-47.79	-79.19	-67.84	2.71	9.76	V
	7529	-55.71	-13	-42.71	-79.8	-65.11	2.42	11.82	V
									V
									V
									V
									V
									V
Highest	3819	-27.69	-13	-14.69	-42.47	-34.37	1.70	8.38	H
	5730	-57.49	-13	-44.49	-77.64	-64.52	2.76	9.79	H
	7641	-54.70	-13	-41.70	-79.4	-64.2	2.38	11.88	H
	15272.5	-39.55	-13	-26.55	-77.33	-49.82	3.71	13.98	H
									H
									H
									H
	3819	-31.35	-13	-18.35	-45.48	-38.03	1.70	8.38	V
	5730	-58.60	-13	-45.60	-77.58	-65.63	2.76	9.79	V
	7641	-55.26	-13	-42.26	-79.26	-64.76	2.38	11.88	V
	15272.5	-37.22	-13	-24.22	-73.55	-47.49	3.71	13.98	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	3700	-25.93	-13	-12.93	-40.42	-32.5	1.67	8.24	H
	5548	-58.96	-13	-45.96	-79.08	-66.03	2.65	9.72	H
	7403	-54.58	-13	-41.58	-80.05	-63.73	2.46	11.61	H
									H
									H
									H
									H
	3700	-30.29	-13	-17.29	-44.69	-36.86	1.67	8.24	V
	5548	-60.04	-13	-47.04	-78.62	-67.11	2.65	9.72	V
	7403	-56.04	-13	-43.04	-80.3	-65.19	2.46	11.61	V
									V
	Middle	3756	-26.54	-13	-13.54	-41.22	-33.16	1.68	8.31
5632		-59.43	-13	-46.43	-79.39	-66.48	2.70	9.75	H
7515		-54.94	-13	-41.94	-80	-64.32	2.42	11.81	H
									H
									H
									H
									H
3756		-33.71	-13	-20.71	-48.09	-40.33	1.68	8.31	V
5632		-60.75	-13	-47.75	-79.1	-67.8	2.70	9.75	V
7515		-55.39	-13	-42.39	-79.52	-64.77	2.42	11.81	V
									V
Highest		3819	-30.76	-13	-17.76	-45.54	-37.44	1.70	8.38
	5730	-58.99	-13	-45.99	-79.14	-66.02	2.76	9.79	H
	7641	-54.61	-13	-41.61	-79.31	-64.11	2.38	11.88	H
									H
									H
									H
									H
	3819	-34.61	-13	-21.61	-48.74	-41.29	1.70	8.38	V
	5730	-60.25	-13	-47.25	-79.23	-67.28	2.76	9.79	V
	7641	-55.48	-13	-42.48	-79.48	-64.98	2.38	11.88	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	-26.07	-13	-13.07	-40.56	-32.64	1.67	8.24	H
	5548	-58.44	-13	-45.44	-78.56	-65.51	2.65	9.72	H
	7403	-54.33	-13	-41.33	-79.8	-63.48	2.46	11.61	H
									H
									H
									H
									H
	3700	-32.14	-13	-19.14	-46.54	-38.71	1.67	8.24	V
	5548	-60.38	-13	-47.38	-78.96	-67.45	2.65	9.72	V
	7403	-55.51	-13	-42.51	-79.77	-64.66	2.46	11.61	V
									V
	Middle	3756	-29.31	-13	-16.31	-43.99	-35.93	1.68	8.31
5632		-59.04	-13	-46.04	-79	-66.09	2.70	9.75	H
7515		-54.62	-13	-41.62	-79.68	-64	2.42	11.81	H
									H
									H
									H
									H
3756		-34.70	-13	-21.70	-49.08	-41.32	1.68	8.31	V
5632		-60.92	-13	-47.92	-79.27	-67.97	2.70	9.75	V
7515		-55.41	-13	-42.41	-79.54	-64.79	2.42	11.81	V
									V
Highest		3812	-32.19	-13	-19.19	-46.92	-38.86	1.70	8.37
	5716	-59.33	-13	-46.33	-79.41	-66.37	2.75	9.79	H
	7627	-54.63	-13	-41.63	-79.32	-64.12	2.39	11.88	H
									H
									H
									H
									H
	3812	-37.98	-13	-24.98	-52.03	-44.65	1.70	8.37	V
	5716	-60.32	-13	-47.32	-79.17	-67.36	2.75	9.79	V
	7627	-55.66	-13	-42.66	-79.63	-65.15	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 / 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	3707	-30.63	-13	-17.63	-45.12	-37.21	1.67	8.25	H
	5562	-58.11	-13	-45.11	-78.23	-65.17	2.66	9.72	H
	7417	-54.20	-13	-41.20	-79.67	-63.38	2.46	11.63	H
									H
									H
									H
									H
	3707	-34.29	-13	-21.29	-48.69	-40.87	1.67	8.25	V
	5562	-60.54	-13	-47.54	-79.12	-67.6	2.66	9.72	V
	7417	-55.89	-13	-42.89	-80.15	-65.07	2.46	11.63	V
									V
	Middle	3756	-33.62	-13	-20.62	-48.3	-40.24	1.68	8.31
5632		-59.16	-13	-46.16	-79.12	-66.21	2.70	9.75	H
7515		-54.76	-13	-41.76	-79.82	-64.14	2.42	11.81	H
									H
									H
									H
									H
3756		-35.32	-13	-22.32	-49.7	-41.94	1.68	8.31	V
5632		-60.52	-13	-47.52	-78.87	-67.57	2.70	9.75	V
7515		-55.62	-13	-42.62	-79.75	-65	2.42	11.81	V
									V
Highest		3805	-35.55	-13	-22.55	-50.28	-42.22	1.70	8.37
	5709	-59.15	-13	-46.15	-79.23	-66.19	2.75	9.78	H
	7613	-54.76	-13	-41.76	-79.45	-64.23	2.39	11.87	H
									H
									H
									H
									H
	3805	-41.37	-13	-28.37	-55.42	-48.04	1.70	8.37	V
	5709	-60.50	-13	-47.50	-79.35	-67.54	2.75	9.78	V
	7613	-55.61	-13	-42.61	-79.54	-65.08	2.39	11.87	V
									V
									V
								V	

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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	3707	-31.56	-13	-18.56	-46.05	-38.14	1.67	8.25	H
	5562	-58.86	-13	-45.86	-78.98	-65.92	2.66	9.72	H
	7417	-54.61	-13	-41.61	-80.08	-63.79	2.46	11.63	H
									H
									H
									H
									H
	3707	-33.75	-13	-20.75	-48.15	-40.33	1.67	8.25	V
	5562	-60.45	-13	-47.45	-79.03	-67.51	2.66	9.72	V
	7417	-55.59	-13	-42.59	-79.85	-64.77	2.46	11.63	V
									V
	Middle	3756	-32.95	-13	-19.95	-47.63	-39.57	1.68	8.31
5632		-59.30	-13	-46.30	-79.26	-66.35	2.70	9.75	H
7515		-54.95	-13	-41.95	-80.01	-64.33	2.42	11.81	H
									H
									H
									H
									H
3756		-37.19	-13	-24.19	-51.57	-43.81	1.68	8.31	V
5632		-60.80	-13	-47.80	-79.15	-67.85	2.70	9.75	V
7515		-55.52	-13	-42.52	-79.65	-64.9	2.42	11.81	V
									V
Highest		3798	-35.45	-13	-22.45	-50.18	-42.11	1.70	8.36
	5695	-58.82	-13	-45.82	-78.82	-65.86	2.74	9.78	H
	7599	-54.57	-13	-41.57	-79.25	-64.03	2.40	11.86	H
									H
									H
									H
									H
	3798	-40.24	-13	-27.24	-54.29	-46.9	1.70	8.36	V
	5695	-60.26	-13	-47.26	-78.97	-67.3	2.74	9.78	V
	7599	-55.80	-13	-42.80	-79.7	-65.26	2.40	11.86	V
									V
									V
								V	

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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	3714	-32.43	-13	-19.43	-46.98	-39.02	1.67	8.26	H
	5569	-58.99	-13	-45.99	-79.08	-66.05	2.66	9.73	H
	7431	-54.66	-13	-41.66	-80.06	-63.87	2.45	11.66	H
									H
									H
									H
									H
	3714	-36.08	-13	-23.08	-50.48	-42.67	1.67	8.26	V
	5569	-60.62	-13	-47.62	-79.11	-67.68	2.66	9.73	V
	7431	-55.90	-13	-42.90	-80.14	-65.11	2.45	11.66	V
									V
	Middle	3749	-34.21	-13	-21.21	-48.89	-40.83	1.68	8.30
5625		-59.33	-13	-46.33	-79.29	-66.38	2.70	9.75	H
7501		-54.52	-13	-41.52	-79.66	-63.89	2.43	11.80	H
									H
									H
									H
									H
3749		-37.80	-13	-24.80	-52.18	-44.42	1.68	8.30	V
5625		-60.78	-13	-47.78	-79.13	-67.83	2.70	9.75	V
7501		-55.50	-13	-42.50	-79.68	-64.87	2.43	11.80	V
									V
Highest		3798	-35.59	-13	-22.59	-50.32	-42.25	1.70	8.36
	5688	-58.92	-13	-45.92	-78.92	-65.96	2.73	9.78	H
	7585	-54.78	-13	-41.78	-79.54	-64.23	2.40	11.85	H
									H
									H
									H
									H
	3798	-39.55	-13	-26.55	-53.71	-46.21	1.70	8.36	V
	5688	-60.38	-13	-47.38	-79.09	-67.42	2.73	9.78	V
	7585	-55.78	-13	-42.78	-79.73	-65.23	2.40	11.85	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	-55.40	-13	-42.40	-67.84	-61.47	1.58	7.65	H
	11976	-45.15	-13	-32.15	-77.76	-54.77	2.68	12.30	H
	13688	-34.68	-13	-21.68	-71.6	-45.46	3.10	13.89	H
	15400	-39.32	-13	-26.32	-78.04	-49.72	3.76	14.16	H
									H
									H
	3420	-57.75	-13	-44.75	-69.7	-63.82	1.58	7.65	V
	11976	-45.84	-13	-32.84	-75.84	-55.46	2.68	12.30	V
	13688	-36.18	-13	-23.18	-71.96	-46.96	3.10	13.89	V
	15400	-37.42	-13	-24.42	-73.94	-47.82	3.76	14.16	V
									V
									V
Middle	3462	-52.54	-13	-39.54	-65.48	-58.78	1.59	7.83	H
	5198	-53.16	-13	-40.16	-72.48	-60.41	2.45	9.70	H
	6927	-56.21	-13	-43.21	-79.65	-64.31	2.61	10.71	H
	12128	-44.44	-13	-31.44	-77.88	-54.06	2.71	12.33	H
	13856	-33.79	-13	-20.79	-70.05	-44.70	3.15	14.06	H
	15592	-32.96	-13	-19.96	-72.66	-43.29	3.84	14.17	H
									H
	3462	-55.75	-13	-42.75	-68.93	-61.99	1.59	7.83	V
	5198	-55.35	-13	-42.35	-73.7	-62.60	2.45	9.70	V
	6927	-56.42	-13	-43.42	-79.62	-64.52	2.61	10.71	V
	8663	-50.02	-13	-37.02	-75.67	-60.17	2.41	12.57	V
	10392	-51.18	-13	-38.18	-78.41	-60.84	2.69	12.36	V
12128	-44.20	-13	-31.20	-74.8	-53.82	2.71	12.33	V	
								V	
Highest	3511	-54.27	-13	-41.27	-67.69	-60.68	1.61	8.01	H
	12280	-44.49	-13	-31.49	-78.77	-54.10	2.75	12.36	H
	14032	-41.46	-13	-28.46	-77.03	-52.39	3.20	14.12	H
	15792	-38.69	-13	-25.69	-78.79	-48.65	3.93	13.89	H
									H
									H
									H
	3511	-57.78	-13	-44.78	-71.75	-64.19	1.61	8.01	V
	12280	-45.25	-13	-32.25	-76.5	-54.86	2.75	12.36	V
	14032	-37.13	-13	-24.13	-72.74	-48.06	3.20	14.12	V
	15792	-39.39	-13	-26.39	-76.02	-49.35	3.93	13.89	V
									V
								V	

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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	3420	-57.46	-13	-44.46	-69.9	-63.53	1.58	7.65	H
	11976	-44.09	-13	-31.09	-76.7	-53.71	2.68	12.30	H
	13680	-33.48	-13	-20.48	-70.4	-44.26	3.10	13.88	H
	15392	-38.65	-13	-25.65	-77.37	-49.04	3.76	14.15	H
									H
									H
									H
	3420	-58.52	-13	-45.52	-70.67	-64.59	1.58	7.65	V
	11976	-45.17	-13	-32.17	-75.17	-54.79	2.68	12.30	V
	13680	-34.78	-13	-21.78	-70.56	-45.56	3.10	13.88	V
	15392	-36.62	-13	-23.62	-73.14	-47.01	3.76	14.15	V
									V
									V
									V
Middle	3462	-54.60	-13	-41.60	-67.54	-60.84	1.59	7.83	H
	5191	-55.06	-13	-42.06	-74.38	-62.31	2.45	9.70	H
	13848	-32.19	-13	-19.19	-68.45	-43.09	3.14	14.05	H
	15584	-32.12	-13	-19.12	-71.82	-42.46	3.84	14.18	H
									H
									H
									H
	3462	-57.14	-13	-44.14	-70.32	-63.38	1.59	7.83	V
	5191	-55.57	-13	-42.57	-73.92	-62.82	2.45	9.70	V
	13848	-31.92	-13	-18.92	-67.6	-42.82	3.14	14.05	V
	15584	-31.54	-13	-18.54	-68.2	-41.88	3.84	14.18	V
									V
									V
									V
Highest	3504	-55.43	-13	-42.43	-68.71	-61.83	1.61	8.00	H
	5254	-56.25	-13	-43.25	-75.38	-63.47	2.48	9.70	H
	7011	-55.80	-13	-42.80	-79.51	-64.04	2.59	10.82	H
	14016	-37.62	-13	-24.62	-73.24	-48.59	3.19	14.16	H
	15768	-38.39	-13	-25.39	-78.46	-48.40	3.92	13.92	H
									H
									H
	3504	-59.26	-13	-46.26	-73.13	-65.66	1.61	8.00	V
	5254	-58.80	-13	-45.80	-77.37	-66.02	2.48	9.70	V
	7011	-55.02	-13	-42.02	-78.56	-63.26	2.59	10.82	V
	12264	-44.31	-13	-31.31	-75.48	-53.92	2.74	12.35	V
	14016	-34.48	-13	-21.48	-70.08	-45.45	3.19	14.16	V
	15768	-38.68	-13	-25.68	-75.31	-48.69	3.92	13.92	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	3420	-56.54	-13	-43.54	-68.98	-62.61	1.58	7.65	H
	11976	-43.95	-13	-30.95	-76.56	-53.57	2.68	12.30	H
	13680	-33.96	-13	-20.96	-70.88	-44.74	3.10	13.88	H
	15392	-38.56	-13	-25.56	-77.28	-48.95	3.76	14.15	H
									H
									H
									H
	3420	-57.73	-13	-44.73	-69.88	-63.8	1.58	7.65	V
	11976	-45.35	-13	-32.35	-75.35	-54.97	2.68	12.30	V
	13680	-35.00	-13	-22.00	-70.78	-45.78	3.10	13.88	V
	15392	-37.96	-13	-24.96	-74.48	-48.35	3.76	14.15	V
									V
									V
									V
Middle	3462	-53.58	-13	-40.58	-66.52	-59.82	1.59	7.83	H
	5191	-54.72	-13	-41.72	-74.04	-61.97	2.45	9.70	H
	13840	-32.99	-13	-19.99	-69.31	-43.89	3.14	14.04	H
	15576	-31.70	-13	-18.70	-71.36	-42.06	3.84	14.19	H
									H
									H
									H
	3462	-56.13	-13	-43.13	-69.31	-62.37	1.59	7.83	V
	5191	-55.06	-13	-42.06	-73.41	-62.31	2.45	9.70	V
	13840	-31.59	-13	-18.59	-67.28	-42.49	3.14	14.04	V
	15576	-30.64	-13	-17.64	-67.31	-41.00	3.84	14.19	V
									V
									V
									V
Highest	3504	-55.13	-13	-42.13	-68.41	-61.53	1.61	8.00	H
	5254	-58.95	-13	-45.95	-78.08	-66.17	2.48	9.70	H
	7011	-55.86	-13	-42.86	-79.57	-64.10	2.59	10.82	H
	12256	-43.79	-13	-30.79	-77.89	-53.40	2.74	12.35	H
	14000	-39.53	-13	-26.53	-75.19	-50.55	3.18	14.20	H
	15752	-37.58	-13	-24.58	-77.61	-47.62	3.91	13.95	H
									H
	3504	-59.27	-13	-46.27	-73.14	-65.67	1.61	8.00	V
	5254	-60.42	-13	-47.42	-78.99	-67.64	2.48	9.70	V
	7011	-55.94	-13	-42.94	-79.48	-64.18	2.59	10.82	V
	10504	-50.83	-13	-37.83	-78.38	-60.54	2.69	12.40	V
	12256	-41.68	-13	-28.68	-72.78	-51.29	2.74	12.35	V
	14000	-38.16	-13	-25.16	-73.75	-49.18	3.18	14.20	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	3434	-58.02	-13	-45.02	-70.63	-64.15	1.58	7.71	H
	5149	-56.75	-13	-43.75	-76	-64.03	2.42	9.70	H
	13720	-38.46	-13	-25.46	-75.25	-49.27	3.11	13.92	H
	15440	-37.37	-13	-24.37	-76.36	-47.8	3.78	14.22	H
									H
									H
									H
	3434	-60.16	-13	-47.16	-72.65	-66.29	1.58	7.71	V
	5149	-57.04	-13	-44.04	-75.17	-64.32	2.42	9.70	V
	13720	-39.31	-13	-26.31	-75.07	-50.12	3.11	13.92	V
	15440	-36.63	-13	-23.63	-73.2	-47.06	3.78	14.22	V
									V
									V
									V
Middle	3455	-53.22	-13	-40.22	-65.99	-59.43	1.59	7.80	H
	5184	-54.57	-13	-41.57	-73.86	-61.83	2.44	9.70	H
	13824	-33.29	-13	-20.29	-69.68	-44.18	3.14	14.02	H
	15552	-31.76	-13	-18.76	-71.39	-42.16	3.83	14.23	H
									H
									H
									H
	3455	-55.87	-13	-42.87	-68.71	-62.08	1.59	7.80	V
	5184	-55.43	-13	-42.43	-73.71	-62.69	2.44	9.70	V
	13824	-32.85	-13	-19.85	-68.55	-43.74	3.14	14.02	V
	15552	-28.31	-13	-15.31	-64.98	-38.71	3.83	14.23	V
									V
									V
									V
Highest	3504	-55.42	-13	-42.42	-68.7	-61.82	1.61	8.00	H
	5254	-58.17	-13	-45.17	-77.3	-65.39	2.48	9.70	H
	7004	-55.63	-13	-42.63	-79.25	-63.85	2.59	10.81	H
	12248	-43.92	-13	-30.92	-78.02	-53.53	2.74	12.35	H
	14000	-39.20	-13	-26.20	-74.86	-50.22	3.18	14.20	H
	15752	-37.17	-13	-24.17	-77.2	-47.21	3.91	13.95	H
									H
	3504	-59.76	-13	-46.76	-73.63	-66.16	1.61	8.00	V
	5254	-60.64	-13	-47.64	-79.21	-67.86	2.48	9.70	V
	7004	-54.17	-13	-41.17	-77.62	-62.39	2.59	10.81	V
	12248	-42.79	-13	-29.79	-73.89	-52.40	2.74	12.35	V
	14000	-38.51	-13	-25.51	-74.1	-49.53	3.18	14.20	V
	15752	-35.18	-13	-22.18	-71.81	-45.22	3.91	13.95	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	-56.00	-13	-43.00	-68.44	-62.07	1.58	7.65	H
	11976	-44.33	-13	-31.33	-76.94	-53.95	2.68	12.30	H
	13688	-37.81	-13	-24.81	-74.73	-48.59	3.10	13.89	H
	15400	-39.57	-13	-26.57	-78.29	-49.97	3.76	14.16	H
									H
									H
									H
	3420	-58.36	-13	-45.36	-70.51	-64.43	1.58	7.65	V
	11976	-45.89	-13	-32.89	-75.89	-55.51	2.68	12.30	V
	13688	-36.56	-13	-23.56	-72.34	-47.34	3.10	13.89	V
	15400	-40.29	-13	-27.29	-76.81	-50.69	3.76	14.16	V
									V
									V
									V
Middle	3455	-52.45	-13	-39.45	-65.22	-58.66	1.59	7.80	H
	5177	-54.71	-13	-41.71	-74	-61.97	2.44	9.70	H
	13808	-34.70	-13	-21.70	-71.16	-45.57	3.13	14.01	H
	15536	-35.31	-13	-22.31	-74.91	-45.74	3.82	14.25	H
									H
									H
									H
	3455	-54.54	-13	-41.54	-67.38	-60.75	1.59	7.80	V
	5177	-55.66	-13	-42.66	-73.94	-62.92	2.44	9.70	V
	13808	-33.52	-13	-20.52	-69.23	-44.39	3.13	14.01	V
	15536	-33.21	-13	-20.21	-69.88	-43.64	3.82	14.25	V
									V
									V
									V
Highest	3497	-54.42	-13	-41.42	-67.7	-60.80	1.60	7.99	H
	5240	-58.33	-13	-45.33	-77.52	-65.55	2.48	9.70	H
	6997	-55.84	-13	-42.84	-79.46	-64.04	2.59	10.80	H
	12232	-44.09	-13	-31.09	-78.09	-53.70	2.74	12.35	H
	13984	-40.34	-13	-27.34	-76.07	-51.35	3.18	14.18	H
									H
									H
	3497	-59.09	-13	-46.09	-72.96	-65.47	1.60	7.99	V
	5240	-59.71	-13	-46.71	-78.21	-66.93	2.48	9.70	V
	6997	-55.88	-13	-42.88	-79.33	-64.08	2.59	10.80	V
	10488	-50.11	-13	-37.11	-77.61	-59.81	2.69	12.40	V
	12232	-42.49	-13	-29.49	-73.52	-52.10	2.74	12.35	V
	13984	-39.10	-13	-26.10	-74.7	-50.11	3.18	14.18	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	-57.11	-13	-44.11	-69.55	-63.18	1.58	7.65	H
	11976	-45.34	-13	-32.34	-77.95	-54.96	2.68	12.30	H
	13688	-35.06	-13	-22.06	-71.98	-45.84	3.10	13.89	H
	15400	-39.01	-13	-26.01	-77.73	-49.41	3.76	14.16	H
									H
									H
									H
	3420	-60.25	-13	-47.25	-72.4	-66.32	1.58	7.65	V
	11976	-46.84	-13	-33.84	-76.84	-56.46	2.68	12.30	V
	13688	-36.04	-13	-23.04	-71.82	-46.82	3.10	13.89	V
	15400	-39.14	-13	-26.14	-75.66	-49.54	3.76	14.16	V
									V
									V
									V
Middle	3448	-52.92	-13	-39.92	-65.69	-59.10	1.59	7.77	H
	5170	-53.40	-13	-40.40	-72.65	-60.67	2.43	9.70	H
	13792	-35.62	-13	-22.62	-72.14	-46.48	3.13	13.99	H
	15512	-33.97	-13	-20.97	-73.53	-44.44	3.81	14.28	H
									H
									H
									H
	3448	-54.87	-13	-41.87	-67.71	-61.05	1.59	7.77	V
	5170	-54.58	-13	-41.58	-72.78	-61.85	2.43	9.70	V
	13792	-35.08	-13	-22.08	-70.8	-45.94	3.13	13.99	V
	15512	-34.56	-13	-21.56	-71.24	-45.03	3.81	14.28	V
									V
									V
									V
Highest	3476	-53.13	-13	-40.13	-66.24	-59.43	1.60	7.89	H
	5212	-54.58	-13	-41.58	-73.84	-61.82	2.46	9.70	H
	6955	-55.88	-13	-42.88	-79.37	-64.02	2.61	10.75	H
	12152	-44.53	-13	-31.53	-78.06	-54.14	2.72	12.33	H
	13888	-37.19	-13	-24.19	-73.31	-48.12	3.15	14.09	H
	15624	-38.46	-13	-25.46	-78.22	-48.73	3.86	14.13	H
									H
	3476	-56.58	-13	-43.58	-70.1	-62.88	1.60	7.89	V
	5212	-56.36	-13	-43.36	-74.78	-63.60	2.46	9.70	V
	6955	-55.98	-13	-42.98	-79.24	-64.12	2.61	10.75	V
	8684	-50.46	-13	-37.46	-76.12	-60.62	2.41	12.57	V
	10416	-50.88	-13	-37.88	-78.2	-60.55	2.69	12.37	V
	12152	-44.66	-13	-31.66	-75.33	-54.27	2.72	12.33	V
									V

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



LTE Band 5

LTE Band 5 / 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	1648	-59.85	-13	-46.85	-64.64	-61.61	0.98	4.89	H
	2472	-66.34	-13	-53.34	-75.72	-68.22	1.28	5.32	H
	3296	-64.60	-13	-51.60	-77.16	-68.01	1.54	7.10	H
									H
									H
									H
	1648	-59.18	-13	-46.18	-62.49	-60.94	0.98	4.89	V
	2472	-63.70	-13	-50.70	-74.14	-65.58	1.28	5.32	V
	3296	-65.87	-13	-52.87	-77.41	-69.28	1.54	7.10	V
									V
									V
									V
Middle	1672	-55.21	-13	-42.21	-59.84	-56.89	0.99	4.82	H
	2508	-66.66	-13	-53.66	-76.24	-68.62	1.29	5.41	H
	3344	-64.75	-13	-51.75	-77.03	-68.36	1.56	7.31	H
									H
									H
									H
	1672	-54.50	-13	-41.50	-57.62	-56.18	0.99	4.82	V
	2508	-65.86	-13	-52.86	-76.16	-67.82	1.29	5.41	V
	3344	-65.86	-13	-52.86	-77.28	-69.47	1.56	7.31	V
									V
									V
									V
Highest	1696	-52.14	-13	-39.14	-56.87	-53.74	1.00	4.75	H
	2544	-66.65	-13	-53.65	-76.26	-68.63	1.30	5.44	H
	3392	-65.05	-13	-52.05	-77.35	-68.85	1.57	7.52	H
									H
									H
									H
	1696	-50.66	-13	-37.66	-54.48	-52.26	1.00	4.75	V
	2544	-65.87	-13	-52.87	-76.15	-67.85	1.30	5.44	V
	3392	-65.41	-13	-52.41	-77.24	-69.21	1.57	7.52	V
									V
									V
									V

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



LTE Band 5 / 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	1648	-59.45	-13	-46.45	-64.17	-61.21	0.98	4.89	H
	2472	-66.57	-13	-53.57	-76.02	-68.45	1.28	5.32	H
	3296	-65.00	-13	-52.00	-77.53	-68.41	1.54	7.10	H
									H
									H
									H
									H
	1648	-59.06	-13	-46.06	-62.4	-60.82	0.98	4.89	V
	2472	-65.15	-13	-52.15	-75.52	-67.03	1.28	5.32	V
	3296	-65.74	-13	-52.74	-77.28	-69.15	1.54	7.10	V
									V
	Middle	1672	-56.40	-13	-43.40	-61.04	-58.08	0.99	4.82
2508		-66.61	-13	-53.61	-76.22	-68.57	1.29	5.41	H
3344		-64.74	-13	-51.74	-76.97	-68.35	1.56	7.31	H
									H
									H
									H
									H
1672		-56.47	-13	-43.47	-59.53	-58.15	0.99	4.82	V
2508		-65.83	-13	-52.83	-76.06	-67.79	1.29	5.41	V
3344		-65.87	-13	-52.87	-77.29	-69.48	1.56	7.31	V
									V
Highest		1696	-52.98	-13	-39.98	-57.73	-54.58	1.00	4.75
	2544	-66.64	-13	-53.64	-76.29	-68.62	1.30	5.44	H
	3392	-64.81	-13	-51.81	-77.13	-68.61	1.57	7.52	H
									H
									H
									H
									H
	1696	-51.94	-13	-38.94	-55.75	-53.54	1.00	4.75	V
	2544	-65.98	-13	-52.98	-76.25	-67.96	1.30	5.44	V
	3392	-65.45	-13	-52.45	-77.29	-69.25	1.57	7.52	V
									V
									V
								V	
								V	

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



LTE Band 5 / 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	1648	-58.32	-13	-45.32	-63.08	-60.08	0.98	4.89	H
	2472	-66.63	-13	-53.63	-76.1	-68.51	1.28	5.32	H
	3296	-64.84	-13	-51.84	-77.39	-68.25	1.54	7.10	H
									H
									H
									H
									H
	1648	-57.65	-13	-44.65	-61.04	-59.41	0.98	4.89	V
	2472	-64.33	-13	-51.33	-74.74	-66.21	1.28	5.32	V
	3296	-65.81	-13	-52.81	-77.4	-69.22	1.54	7.10	V
									V
	Middle	1672	-55.16	-13	-42.16	-59.79	-56.84	0.99	4.82
2508		-66.55	-13	-53.55	-76.15	-68.51	1.29	5.41	H
3344		-65.09	-13	-52.09	-77.29	-68.7	1.56	7.31	H
									H
									H
									H
									H
1672		-54.90	-13	-41.90	-57.95	-56.58	0.99	4.82	V
2508		-66.00	-13	-53.00	-76.26	-67.96	1.29	5.41	V
3344		-65.64	-13	-52.64	-77.13	-69.25	1.56	7.31	V
									V
Highest		1688	-52.48	-13	-39.48	-57.09	-54.11	1.00	4.77
	2532	-66.84	-13	-53.84	-76.43	-68.81	1.30	5.43	H
	3376	-65.22	-13	-52.22	-77.53	-68.96	1.57	7.45	H
									H
									H
									H
									H
	1688	-52.08	-13	-39.08	-55.15	-53.71	1.00	4.77	V
	2532	-65.82	-13	-52.82	-76.11	-67.79	1.30	5.43	V
	3376	-65.54	-13	-52.54	-77.31	-69.28	1.57	7.45	V
									V
									V
								V	

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



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	-56.95	-13	-43.95	-61.73	-58.71	0.98	4.89	H
	2472	-65.36	-13	-52.36	-74.86	-67.24	1.28	5.32	H
	3296	-64.98	-13	-51.98	-77.54	-68.39	1.54	7.10	H
									H
									H
									H
									H
	1648	-56.09	-13	-43.09	-59.41	-57.85	0.98	4.89	V
	2472	-63.73	-13	-50.73	-74.21	-65.61	1.28	5.32	V
	3296	-65.94	-13	-52.94	-77.52	-69.35	1.54	7.10	V
									V
	Middle	1664	-53.31	-13	-40.31	-58.03	-55.02	0.98	4.84
2496		-66.46	-13	-53.46	-76.02	-68.41	1.29	5.39	H
3328		-64.88	-13	-51.88	-77.21	-68.42	1.55	7.24	H
									H
									H
									H
									H
1664		-53.39	-13	-40.39	-56.54	-55.1	0.98	4.84	V
2496		-65.87	-13	-52.87	-76.14	-67.82	1.29	5.39	V
3328		-65.73	-13	-52.73	-77.22	-69.27	1.55	7.24	V
									V
Highest		1680	-56.49	-13	-43.49	-61.1	-58.14	0.99	4.80
	2520	-66.41	-13	-53.41	-76.02	-68.38	1.30	5.42	H
	3360	-65.15	-13	-52.15	-77.39	-68.82	1.56	7.38	H
									H
									H
									H
									H
	1680	-55.19	-13	-42.19	-58.24	-56.84	0.99	4.80	V
	2520	-65.59	-13	-52.59	-75.86	-67.56	1.30	5.42	V
	3360	-65.94	-13	-52.94	-77.48	-69.61	1.56	7.38	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	-61.22	-13.00	-48.22	-66.39	-62.88	0.87	4.68	H
	2096	-65.13	-13.00	-52.13	-73.73	-66.00	1.16	4.19	H
	3496	-65.93	-13.00	-52.93	-76.89	-70.16	1.60	7.98	H
									H
									H
									H
	1400	-62.71	-13.00	-49.71	-66.90	-64.37	0.87	4.68	V
	2096	-65.00	-13.00	-52.00	-73.79	-65.87	1.16	4.19	V
	3496	-65.57	-13.00	-52.57	-77.10	-69.80	1.60	7.98	V
									V
									V
									V
Middle	1416	-61.77	-13.00	-48.77	-66.94	-63.52	0.87	4.78	H
	2120	-65.93	-13.00	-52.93	-74.81	-66.87	1.17	4.26	H
	2832	-65.71	-13.00	-52.71	-76.79	-67.83	1.39	5.67	H
									H
									H
									H
	1416	-61.80	-13.00	-48.80	-65.99	-63.55	0.87	4.78	V
	2120	-64.94	-13.00	-51.94	-74.41	-65.88	1.17	4.26	V
	2832	-65.25	-13.00	-52.25	-76.83	-67.37	1.39	5.67	V
									V
									V
									V
Highest	1432	-62.58	-13.00	-49.58	-67.86	-64.43	0.88	4.88	H
	2144	-66.11	-13.00	-53.11	-75.13	-67.11	1.18	4.33	H
	2864	-65.68	-13.00	-52.68	-76.88	-67.82	1.40	5.69	H
									H
									H
									H
	1432	-64.60	-13.00	-51.60	-68.73	-66.45	0.88	4.88	V
	2144	-65.14	-13.00	-52.14	-74.95	-66.14	1.18	4.33	V
	2864	-65.30	-13.00	-52.30	-76.92	-67.44	1.40	5.69	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	-61.48	-13.00	-48.48	-66.65	-63.14	0.87	4.68	H
	2096	-65.61	-13.00	-52.61	-74.21	-66.48	1.16	4.19	H
	2800	-65.99	-13.00	-52.99	-76.95	-68.10	1.38	5.64	H
									H
									H
									H
									H
	1400	-62.50	-13.00	-49.50	-66.69	-64.16	0.87	4.68	V
	2096	-65.60	-13.00	-52.60	-74.39	-66.47	1.16	4.19	V
	2800	-65.44	-13.00	-52.44	-76.97	-67.55	1.38	5.64	V
									V
	Middle	1416	-63.43	-13.00	-50.43	-68.60	-65.18	0.87	4.78
2120		-65.47	-13.00	-52.47	-74.35	-66.41	1.17	4.26	H
2832		-65.97	-13.00	-52.97	-77.05	-68.09	1.39	5.67	H
									H
									H
									H
									H
1416		-63.51	-13.00	-50.51	-67.70	-65.26	0.87	4.78	V
2120		-64.77	-13.00	-51.77	-74.24	-65.71	1.17	4.26	V
2832		-65.40	-13.00	-52.40	-76.98	-67.52	1.39	5.67	V
									V
Highest		1424	-64.52	-13.00	-51.52	-69.80	-66.32	0.88	4.83
	2136	-65.82	-13.00	-52.82	-74.84	-66.80	1.18	4.31	H
	2848	-65.84	-13.00	-52.84	-76.98	-67.97	1.40	5.68	H
									H
									H
									H
									H
	1424	-64.95	-13.00	-51.95	-69.08	-66.75	0.88	4.83	V
	2136	-64.52	-13.00	-51.52	-74.33	-65.50	1.18	4.31	V
	2848	-65.10	-13.00	-52.10	-76.70	-67.23	1.40	5.68	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	-60.95	-13.00	-47.95	-66.12	-62.61	0.87	4.68	H
	2096	-65.77	-13.00	-52.77	-74.37	-66.64	1.16	4.19	H
	2800	-66.09	-13.00	-53.09	-77.05	-68.20	1.38	5.64	H
									H
									H
									H
									H
	1400	-61.90	-13.00	-48.90	-66.09	-63.56	0.87	4.68	V
	2096	-63.92	-13.00	-50.92	-72.71	-64.79	1.16	4.19	V
	2800	-65.62	-13.00	-52.62	-77.15	-67.73	1.38	5.64	V
									V
	Middle	1408	-62.94	-13.00	-49.94	-68.11	-64.65	0.87	4.73
2120		-66.31	-13.00	-53.31	-75.19	-67.25	1.17	4.26	H
2816		-65.86	-13.00	-52.86	-76.88	-67.97	1.39	5.65	H
									H
									H
									H
									H
1408		-63.18	-13.00	-50.18	-67.37	-64.89	0.87	4.73	V
2120		-64.18	-13.00	-51.18	-73.65	-65.12	1.17	4.26	V
2816		-65.58	-13.00	-52.58	-77.13	-67.69	1.39	5.65	V
									V
Highest		1424	-63.95	-13.00	-50.95	-69.23	-65.75	0.88	4.83
	2136	-64.71	-13.00	-51.71	-73.73	-65.69	1.18	4.31	H
	2848	-65.79	-13.00	-52.79	-76.93	-67.92	1.40	5.68	H
									H
									H
									H
									H
	1424	-64.65	-13.00	-51.65	-68.78	-66.45	0.88	4.83	V
	2136	-63.62	-13.00	-50.62	-73.43	-64.60	1.18	4.31	V
	2848	-65.15	-13.00	-52.15	-76.75	-67.28	1.40	5.68	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	1400	-59.64	-13.00	-46.64	-64.81	-61.30	0.87	4.68	H
	2096	-65.86	-13.00	-52.86	-74.46	-66.73	1.16	4.19	H
	2800	-65.63	-13.00	-52.63	-76.59	-67.74	1.38	5.64	H
									H
									H
									H
									H
	1400	-60.59	-13.00	-47.59	-64.78	-62.25	0.87	4.68	V
	2096	-64.65	-13.00	-51.65	-73.44	-65.52	1.16	4.19	V
	2800	-65.00	-13.00	-52.00	-76.53	-67.11	1.38	5.64	V
									V
	Middle	1408	-60.75	-13.00	-47.75	-65.92	-62.46	0.87	4.73
2112		-64.36	-13.00	-51.36	-73.10	-65.28	1.17	4.24	H
2816		-65.06	-13.00	-52.06	-76.08	-67.17	1.39	5.65	H
									H
									H
									H
									H
1408		-62.07	-13.00	-49.07	-65.26	-63.78	0.87	4.73	V
2112		-62.55	-13.00	-49.55	-71.68	-63.47	1.17	4.24	V
2816		-65.17	-13.00	-52.17	-76.72	-67.28	1.39	5.65	V
									V
Highest		1416	-63.27	-13.00	-50.27	-68.44	-65.02	0.87	4.78
	2120	-66.08	-13.00	-53.08	-74.96	-67.02	1.17	4.26	H
	3536	-65.88	-13.00	-52.88	-76.96	-70.16	1.62	8.04	H
									H
									H
									H
									H
	1416	-62.45	-13.00	-49.45	-66.64	-64.20	0.87	4.78	V
	2120	-64.14	-13.00	-51.14	-73.61	-65.08	1.17	4.26	V
	3536	-65.33	-13.00	-52.33	-76.91	-69.61	1.62	8.04	V
									V
									V
								V	

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