

**LTE Band 7**

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	5004	-43.59	-25	-18.59	-63.6	-54.86	0.94	12.21	H
	7506	-46.38	-25	-21.38	-71.46	-55.62	1.18	10.42	H
	10008	-40.68	-25	-15.68	-71.06	-51.4	1.37	12.08	H
	12510	-37.19	-25	-12.19	-71.68	-50.47	1.50	14.78	H
									H
									H
									H
	5004	-38.98	-25	-13.98	-59.17	-50.25	0.94	12.21	V
	7506	-41.82	-25	-16.82	-67.04	-51.06	1.18	10.42	V
	10008	-39.94	-25	-14.94	-69.99	-50.66	1.37	12.08	V
	12510	-39.78	-25	-14.78	-73.44	-53.06	1.50	14.78	V
									V
									V
									V
Middle	5052	-46.38	-25	-21.38	-66.46	-57.73	0.95	12.30	H
	7578	-47.40	-25	-22.40	-72.68	-56.84	1.18	10.62	H
	10104	-40.68	-25	-15.68	-71.14	-51.21	1.38	11.90	H
	12636	-38.49	-25	-13.49	-73.67	-51.56	1.49	14.56	H
									H
									H
									H
	5052	-40.71	-25	-15.71	-60.97	-52.06	0.95	12.30	V
	7578	-46.81	-25	-21.81	-71.88	-56.25	1.18	10.62	V
	10104	-39.65	-25	-14.65	-69.82	-50.18	1.38	11.90	V
	12636	-40.08	-25	-15.08	-73.99	-53.15	1.49	14.56	V
									V
									V
									V



Highest	5100	-46.73	-25	-21.73	-66.91	-58.17	0.96	12.40	H
	7656	-47.02	-25	-22.02	-72.46	-56.67	1.18	10.84	H
	10206	-41.99	-25	-16.99	-72.54	-52.31	1.39	11.71	H
									H
									H
									H
									H
	5100	-39.44	-25	-14.44	-59.79	-50.88	0.96	12.40	V
	7656	-43.94	-25	-18.94	-69.16	-53.59	1.18	10.84	V
	10206	-40.81	-25	-15.81	-71.11	-51.13	1.39	11.71	V
									V
									V
									V
									V

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

**LTE Band 12**

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	-58.31	-13	-45.31	-69.42	-64.36	0.50	8.70	H
	2096	-50.19	-13	-37.19	-63.69	-57.93	0.59	10.48	H
	2800	-58.24	-13	-45.24	-72.65	-66.37	0.70	10.98	H
									H
									H
									H
									H
	1400	-60.28	-13	-47.28	-71.45	-66.33	0.50	8.70	V
	2096	-51.80	-13	-38.80	-65.06	-59.54	0.59	10.48	V
	2800	-58.68	-13	-45.68	-73.51	-66.81	0.70	10.98	V
									V
									V
									V
									V
Middle	1408	-57.95	-13	-44.95	-69.16	-64.05	0.50	8.75	H
	2112	-54.15	-13	-41.15	-67.94	-61.90	0.59	10.49	H
	2816	-56.92	-13	-43.92	-71.38	-65.05	0.71	10.99	H
									H
									H
									H
									H
	1408	-57.95	-13	-44.95	-68.96	-64.05	0.50	8.75	V
	2112	-54.38	-13	-41.38	-67.99	-62.13	0.59	10.49	V
	2816	-58.08	-13	-45.08	-72.92	-66.21	0.71	10.99	V
									V
									V
									V
									V



Highest	1416	-56.69	-13	-43.69	-67.90	-62.83	0.50	8.80	H
	2120	-49.49	-13	-36.49	-63.27	-57.24	0.59	10.50	H
	2824	-58.10	-13	-45.10	-72.56	-66.24	0.71	10.99	H
									H
									H
									H
									H
	1416	-56.85	-13	-43.85	-67.86	-62.99	0.50	8.80	V
	2120	-48.65	-13	-35.65	-62.25	-56.40	0.59	10.50	V
	2824	-59.01	-13	-46.01	-73.85	-67.15	0.71	10.99	V
									V
									V
									V
									V

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

**LTE Band 13**

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	1560	-54.49	-42.15	-12.34	-64.91	-61.26	0.51	9.43	H
	2336	-56.56	-13	-43.56	-70.72	-64.46	0.62	10.67	H
	3120	-59.22	-13	-46.22	-74.81	-67.79	0.74	11.46	H
									H
									H
									H
									H
	1560	-60.02	-42.15	-17.87	-69.87	-66.79	0.51	9.43	V
	2336	-57.64	-13	-44.64	-72.32	-65.54	0.62	10.67	V
	3120	-58.80	-13	-45.80	-74.62	-67.37	0.74	11.46	V
									V
									V
									V
									V
Middle	1560	-50.37	-42.15	-8.22	-60.79	-57.14	0.51	9.43	H
	2344	-56.62	-13	-43.62	-70.66	-64.52	0.62	10.68	H
	3120	-59.07	-13	-46.07	-74.66	-67.64	0.74	11.46	H
									H
									H
									H
									H
	1560	-56.90	-42.15	-14.75	-66.75	-63.67	0.51	9.43	V
	2344	-55.26	-13	-42.26	-69.88	-63.16	0.62	10.68	V
	3120	-58.55	-13	-45.55	-74.37	-67.12	0.74	11.46	V
									V
									V
									V
									V



Highest	1568	-57.57	-42.15	-15.42	-67.53	-64.35	0.52	9.45	H
	2352	-59.09	-13	-46.09	-73.11	-67.00	0.63	10.68	H
	3136	-59.15	-13	-46.15	-74.83	-67.76	0.74	11.51	H
									H
									H
									H
									H
	1568	-61.61	-42.15	-19.46	-71.31	-68.39	0.52	9.45	V
	2352	-57.92	-13	-44.92	-72.52	-65.83	0.63	10.68	V
	3136	-58.44	-13	-45.44	-74.40	-67.05	0.74	11.51	V
									V
									V
									V
									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	1560	-53.36	-42.15	-11.21	-63.78	-60.13	0.51	9.43	H
	2336	-59.07	-13	-46.07	-73.23	-66.97	0.62	10.67	H
	3120	-59.09	-13	-46.09	-74.68	-67.66	0.74	11.46	H
									H
									H
									H
									H
	1560	-59.84	-42.15	-17.69	-69.69	-66.61	0.51	9.43	V
	2336	-57.30	-13	-44.30	-71.98	-65.2	0.62	10.67	V
	3120	-58.79	-13	-45.79	-74.61	-67.36	0.74	11.46	V
									V
									V
									V
									V

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

**LTE Band 17**

LTE Band 17 / 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	1408	-48.28	-13	-35.28	-59.49	-54.38	0.50	8.75	H
	2112	-42.48	-13	-29.48	-56.27	-50.23	0.59	10.49	H
	2816	-59.15	-13	-46.15	-73.61	-67.28	0.71	10.99	H
									H
									H
									H
									H
	1408	-45.39	-13	-32.39	-56.40	-51.49	0.50	8.75	V
	2112	-46.02	-13	-33.02	-59.63	-53.77	0.59	10.49	V
	2816	-57.83	-13	-44.83	-72.67	-65.96	0.71	10.99	V
									V
									V
									V
									V
Middle	1408	-42.47	-13	-29.47	-53.68	-48.57	0.50	8.75	H
	2120	-39.27	-13	-26.27	-53.05	-47.02	0.59	10.50	H
	2824	-58.24	-13	-45.24	-72.70	-66.38	0.71	10.99	H
	3528	-55.86	-13	-42.86	-72.33	-65.52	0.78	12.59	H
									H
									H
									H
	1408	-42.88	-13	-29.88	-53.89	-48.98	0.50	8.75	V
	2120	-40.21	-13	-27.21	-53.81	-47.96	0.59	10.50	V
	2824	-58.22	-13	-45.22	-73.06	-66.36	0.71	10.99	V
	3528	-56.59	-13	-43.59	-74.08	-66.25	0.78	12.59	V
									V
									V
									V
									V



Highest	1416	-51.72	-13	-38.72	-62.93	-57.86	0.50	8.80	H
	2120	-39.94	-13	-26.94	-53.72	-47.69	0.59	10.50	H
	2824	-58.88	-13	-45.88	-73.34	-67.02	0.71	10.99	H
									H
									H
									H
									H
	1416	-49.36	-13	-36.36	-60.37	-55.50	0.50	8.80	V
	2120	-40.39	-13	-27.39	-53.99	-48.14	0.59	10.50	V
	2824	-58.21	-13	-45.21	-73.05	-66.35	0.71	10.99	V
									V
									V
									V
									V

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

**LTE Band 66**

LTE Band 66 / 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	3420	-30.51	-13	-17.51	-47.36	-42.10	0.77	12.36	H
	5136	-49.20	-13	-36.20	-69.61	-60.70	0.97	12.47	H
	6846	-42.68	-13	-29.68	-65.97	-53.50	0.82	11.64	H
	8556	-41.18	-13	-28.18	-68.26	-51.80	1.36	11.98	H
	10270.5	-44.31	-13	-31.31	-75.1	-54.50	1.39	11.59	H
	11982	-36.39	-13	-23.39	-67.27	-47.10	1.57	12.29	H
	13693	-38.35	-13	-25.35	-71.96	-49.20	1.52	12.37	H
	3420	-33.61	-13	-20.61	-50.22	-45.20	0.77	12.36	V
	5136	-47.60	-13	-34.60	-68.24	-59.10	0.97	12.47	V
	6846	-46.38	-13	-33.38	-70.42	-57.20	0.82	11.64	V
	8556	-41.78	-13	-28.78	-68.85	-52.40	1.36	11.98	V
	10270.5	-44.61	-13	-31.61	-74.94	-54.80	1.39	11.59	V
	11982	-38.99	-13	-25.99	-69.43	-49.70	1.57	12.29	V
	13693	-41.55	-13	-28.55	-72.89	-52.40	1.52	12.37	V
Middle	3474	-32.36	-13	-19.36	-49.3	-44.10	0.78	12.52	H
	5208	-51.58	-13	-38.58	-72.51	-63.20	0.99	12.62	H
	6942	-43.51	-13	-30.51	-67.03	-53.90	1.03	11.43	H
	8682	-43.04	-13	-30.04	-71.04	-53.80	1.39	12.15	H
	12150	-38.20	-13	-25.20	-69.3	-49.70	1.55	13.05	H
	13893	-40.62	-13	-27.62	-73.31	-51.20	1.55	12.13	H
									H
	3474	-34.16	-13	-21.16	-51.94	-45.90	0.78	12.52	V
	5208	-49.58	-13	-36.58	-70.32	-61.20	0.99	12.62	V
	6942	-47.41	-13	-34.41	-71.51	-57.80	1.03	11.43	V
	8682	-44.64	-13	-31.64	-71.86	-55.40	1.39	12.15	V
	12150	-40.10	-13	-27.10	-70.69	-51.60	1.55	13.05	V
	13893	-44.12	-13	-31.12	-75.09	-54.70	1.55	12.13	V
									V



Highest	3522	-35.29	-13	-22.29	-52.23	-47.10	0.78	12.59	H
	5286	-54.85	-13	-41.85	-75.24	-66.60	1.02	12.77	H
	7044	-44.75	-13	-31.75	-68.56	-54.80	1.17	11.22	H
	8808	-43.27	-13	-30.27	-71.57	-54.20	1.40	12.33	H
	12328	-37.19	-13	-24.19	-69.5	-49.60	1.53	13.94	H
									H
									H
	3522	-37.99	-13	-24.99	-55.56	-49.80	0.78	12.59	V
	5286	-51.35	-13	-38.35	-72.19	-63.10	1.02	12.77	V
	7044	-46.55	-13	-33.55	-70.6	-56.60	1.17	11.22	V
	8808	-45.87	-13	-32.87	-73.89	-56.80	1.40	12.33	V
	12328	-38.29	-13	-25.29	-69.86	-50.70	1.53	13.94	V
									V
									V

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