

6. Field Strength of Spurious Radiation

LTE Band 4 ANT5-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-60.97	-13	-47.97	-65.59	3.36	7.98	Horizontal	Pass
5133.0	-41.79	-13	-28.79	-47.4	4.61	10.22	Horizontal	Pass
6844.0	-61.06	-13	-48.06	-67.09	4.9	10.93	Horizontal	Pass
3422.0	-59.44	-13	-46.44	-64.06	3.36	7.98	Vertical	Pass
5133.0	-40.86	-13	-27.86	-46.47	4.61	10.22	Vertical	Pass
6844.0	-60.6	-13	-47.6	-66.63	4.9	10.93	Vertical	Pass

LTE Band 4 ANT5-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-61.57	-13	-48.57	-66.24	3.37	8.04	Horizontal	Pass
5170.5	-62.81	-13	-49.81	-68.44	4.62	10.25	Horizontal	Pass
6894.0	-61.24	-13	-48.24	-67.33	4.9	10.99	Horizontal	Pass
3447.0	-63.23	-13	-50.23	-67.9	3.37	8.04	Vertical	Pass
5170.5	-62.68	-13	-49.68	-68.31	4.62	10.25	Vertical	Pass
6894.0	-60.7	-13	-47.7	-66.79	4.9	10.99	Vertical	Pass

LTE Band 4 ANT5-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-65.18	-13	-52.18	-69.89	3.39	8.1	Horizontal	Pass
5208.0	-62.17	-13	-49.17	-67.8	4.64	10.27	Horizontal	Pass
6944.0	-60.85	-13	-47.85	-67.0	4.91	11.06	Horizontal	Pass
3472.0	-63.8	-13	-50.8	-68.51	3.39	8.1	Vertical	Pass
5208.0	-62.82	-13	-49.82	-68.45	4.64	10.27	Vertical	Pass
6944.0	-60.75	-13	-47.75	-66.9	4.91	11.06	Vertical	Pass

CA_4A_5A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-65.74	-13	-52.74	-70.36	3.36	7.98	Horizontal	Pass
5133.0	-63.18	-13	-50.18	-68.79	4.61	10.22	Horizontal	Pass
6844.0	-60.97	-13	-47.97	-67.0	4.9	10.93	Horizontal	Pass
3422.0	-64.38	-13	-51.38	-69.0	3.36	7.98	Vertical	Pass
5133.0	-63.05	-13	-50.05	-68.66	4.61	10.22	Vertical	Pass
6844.0	-61.02	-13	-48.02	-67.05	4.9	10.93	Vertical	Pass

CA_4A_5A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-67.23	-13	-54.23	-71.9	3.37	8.04	Horizontal	Pass
5170.5	-63.56	-13	-50.56	-69.19	4.62	10.25	Horizontal	Pass
6894.0	-61.56	-13	-48.56	-67.65	4.9	10.99	Horizontal	Pass
3447.0	-67.12	-13	-54.12	-71.79	3.37	8.04	Vertical	Pass
5170.5	-63.59	-13	-50.59	-69.22	4.62	10.25	Vertical	Pass
6894.0	-62.0	-13	-49.0	-68.09	4.9	10.99	Vertical	Pass

CA_4A_5A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-67.52	-13	-54.52	-72.23	3.39	8.1	Horizontal	Pass
5208.0	-63.53	-13	-50.53	-69.16	4.64	10.27	Horizontal	Pass
6944.0	-61.8	-13	-48.8	-67.95	4.91	11.06	Horizontal	Pass
3472.0	-66.91	-13	-53.91	-71.62	3.39	8.1	Vertical	Pass
5208.0	-63.61	-13	-50.61	-69.24	4.64	10.27	Vertical	Pass
6944.0	-61.04	-13	-48.04	-67.19	4.91	11.06	Vertical	Pass

CA_4A_7A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5002.0	-62.28	-25	-37.28	-67.85	4.57	10.14	Horizontal	Pass
7503.0	-60.61	-25	-35.61	-67.41	4.94	11.74	Horizontal	Pass
10004.0	-56.54	-25	-31.54	-64.11	5.46	13.03	Horizontal	Pass
5002.0	-62.59	-25	-37.59	-68.16	4.57	10.14	Vertical	Pass
7503.0	-60.36	-25	-35.36	-67.16	4.94	11.74	Vertical	Pass
10004.0	-56.86	-25	-31.86	-64.43	5.46	13.03	Vertical	Pass

CA_4A_7A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5052.0	-62.95	-25	-37.95	-68.53	4.59	10.17	Horizontal	Pass
7578.0	-60.59	-25	-35.59	-67.47	4.95	11.83	Horizontal	Pass
10104.0	-57.55	-25	-32.55	-65.12	5.48	13.05	Horizontal	Pass
5052.0	-63.2	-25	-38.2	-68.78	4.59	10.17	Vertical	Pass
7578.0	-60.76	-25	-35.76	-67.64	4.95	11.83	Vertical	Pass
10104.0	-57.7	-25	-32.7	-65.27	5.48	13.05	Vertical	Pass

CA_4A_7A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5102.0	-63.34	-25	-38.34	-68.94	4.6	10.2	Horizontal	Pass
7653.0	-60.26	-25	-35.26	-67.23	4.95	11.92	Horizontal	Pass
10204.0	-56.93	-25	-31.93	-64.51	5.49	13.07	Horizontal	Pass
5102.0	-63.22	-25	-38.22	-68.82	4.6	10.2	Vertical	Pass
7653.0	-59.77	-25	-34.77	-66.74	4.95	11.92	Vertical	Pass
10204.0	-57.3	-25	-32.3	-64.88	5.49	13.07	Vertical	Pass

CA_4A_12A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-65.0	-13	-52.0	-69.62	3.36	7.98	Horizontal	Pass
5133.0	-63.19	-13	-50.19	-68.8	4.61	10.22	Horizontal	Pass
6844.0	-60.94	-13	-47.94	-66.97	4.9	10.93	Horizontal	Pass
3422.0	-64.69	-13	-51.69	-69.31	3.36	7.98	Vertical	Pass
5133.0	-63.07	-13	-50.07	-68.68	4.61	10.22	Vertical	Pass
6844.0	-61.09	-13	-48.09	-67.12	4.9	10.93	Vertical	Pass

CA_4A_12A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-67.33	-13	-54.33	-72.0	3.37	8.04	Horizontal	Pass
5170.5	-63.48	-13	-50.48	-69.11	4.62	10.25	Horizontal	Pass
6894.0	-61.74	-13	-48.74	-67.83	4.9	10.99	Horizontal	Pass
3447.0	-67.17	-13	-54.17	-71.84	3.37	8.04	Vertical	Pass
5170.5	-63.79	-13	-50.79	-69.42	4.62	10.25	Vertical	Pass
6894.0	-61.54	-13	-48.54	-67.63	4.9	10.99	Vertical	Pass

CA_4A_12A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-67.5	-13	-54.5	-72.21	3.39	8.1	Horizontal	Pass
5208.0	-63.39	-13	-50.39	-69.02	4.64	10.27	Horizontal	Pass
6944.0	-61.09	-13	-48.09	-67.24	4.91	11.06	Horizontal	Pass
3472.0	-67.03	-13	-54.03	-71.74	3.39	8.1	Vertical	Pass
5208.0	-63.02	-13	-50.02	-68.65	4.64	10.27	Vertical	Pass
6944.0	-61.53	-13	-48.53	-67.68	4.91	11.06	Vertical	Pass