

LTE FDD Band 5-QPSK-1.4MHz-Low channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1648.14	-47.64	0.52	6	-42.16	-13	-29.16	Horizontal	Pass
2472.21	-48.96	0.53	5.8	-43.69	-13	-30.69	Horizontal	Pass
3296.28	-50.98	0.65	6.2	-45.43	-13	-32.43	Horizontal	Pass
1648.14	-46.52	0.52	6	-41.04	-13	-28.04	Vertical	Pass
2472.21	-50.17	0.53	5.8	-44.9	-13	-31.9	Vertical	Pass
3296.28	-48.36	0.65	6.2	-42.81	-13	-29.81	Vertical	Pass

LTE FDD Band 5-QPSK-1.4MHz-Middle channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1671.74	-46.9	0.52	6	-41.42	-13	-28.42	Horizontal	Pass
2507.61	-49.67	0.59	5.3	-44.96	-13	-31.96	Horizontal	Pass
3343.48	-49.14	0.65	6.2	-43.59	-13	-30.59	Horizontal	Pass
1671.74	-48.7	0.52	6	-43.22	-13	-30.22	Vertical	Pass
2507.61	-49.47	0.59	5.3	-44.76	-13	-31.76	Vertical	Pass
3343.48	-51	0.65	6.2	-45.45	-13	-32.45	Vertical	Pass

LTE FDD Band 5-QPSK-1.4MHz-High channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1695.34	-47.83	0.52	6	-42.35	-13	-29.35	Horizontal	Pass
2543.01	-49.35	0.59	5.3	-44.64	-13	-31.64	Horizontal	Pass
3390.68	-47.8	0.65	6.2	-42.25	-13	-29.25	Horizontal	Pass
1695.34	-48.7	0.52	6	-43.22	-13	-30.22	Vertical	Pass
2543.01	-49.52	0.59	5.3	-44.81	-13	-31.81	Vertical	Pass
3390.68	-52.37	0.65	6.2	-46.82	-13	-33.82	Vertical	Pass

LTE FDD Band 5-16QAM-1.4MHz-Low channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1648.14	-46.1	0.52	6	-40.62	-13	-27.62	Horizontal	Pass
2472.21	-48.52	0.53	5.8	-43.25	-13	-30.25	Horizontal	Pass
3296.28	-49.4	0.65	6.2	-43.85	-13	-30.85	Horizontal	Pass
1648.14	-47.81	0.52	6	-42.33	-13	-29.33	Vertical	Pass
2472.21	-48.35	0.53	5.8	-43.08	-13	-30.08	Vertical	Pass
3296.28	-51.44	0.65	6.2	-45.89	-13	-32.89	Vertical	Pass

LTE FDD Band 5-16QAM-1.4MHz-Middle channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1671.74	-48.19	0.52	6	-42.71	-13	-29.71	Horizontal	Pass
2507.61	-48.76	0.59	5.3	-44.05	-13	-31.05	Horizontal	Pass
3343.48	-50.91	0.65	6.2	-45.36	-13	-32.36	Horizontal	Pass
1671.74	-46.36	0.52	6	-40.88	-13	-27.88	Vertical	Pass
2507.61	-47.9	0.59	5.3	-43.19	-13	-30.19	Vertical	Pass
3343.48	-50.08	0.65	6.2	-44.53	-13	-31.53	Vertical	Pass

LTE FDD Band 5-16QAM-1.4MHz-High channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1695.34	-47.62	0.52	6	-42.14	-13	-29.14	Horizontal	Pass
2543.01	-48.67	0.59	5.3	-43.96	-13	-30.96	Horizontal	Pass
3390.68	-51.09	0.65	6.2	-45.54	-13	-32.54	Horizontal	Pass
1695.34	-47.17	0.52	6	-41.69	-13	-28.69	Vertical	Pass
2543.01	-47.9	0.59	5.3	-43.19	-13	-30.19	Vertical	Pass
3390.68	-48.99	0.65	6.2	-43.44	-13	-30.44	Vertical	Pass

LTE FDD Band 5-QPSK-3.0MHz-Low channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1648.3	-44.09	0.52	6	-38.61	-13	-25.61	Horizontal	Pass
2472.45	-46.89	0.53	5.8	-41.62	-13	-28.62	Horizontal	Pass
3296.6	-46.75	0.65	6.2	-41.2	-13	-28.2	Horizontal	Pass
1648.3	-46.41	0.52	6	-40.93	-13	-27.93	Vertical	Pass
2472.45	-48.58	0.53	5.8	-43.31	-13	-30.31	Vertical	Pass
3296.6	-50.89	0.65	6.2	-45.34	-13	-32.34	Vertical	Pass

LTE FDD Band 5- QPSK-3.0MHz-Middle channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1670.3	-45.79	0.52	6	-40.31	-13	-27.31	Horizontal	Pass
2505.45	-49.3	0.59	5.3	-44.59	-13	-31.59	Horizontal	Pass
3340.6	-50.49	0.65	6.2	-44.94	-13	-31.94	Horizontal	Pass
1670.3	-44.05	0.52	6	-38.57	-13	-25.57	Vertical	Pass
2505.45	-47.1	0.59	5.3	-42.39	-13	-29.39	Vertical	Pass
3340.6	-46.89	0.65	6.2	-41.34	-13	-28.34	Vertical	Pass

LTE FDD Band 5- QPSK-3.0MHz-High channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1692.3	-47	0.52	6	-41.52	-13	-28.52	Horizontal	Pass
2538.45	-48.92	0.59	5.3	-44.21	-13	-31.21	Horizontal	Pass
3384.6	-51.7	0.65	6.2	-46.15	-13	-33.15	Horizontal	Pass
1692.3	-44.88	0.52	6	-39.4	-13	-26.4	Vertical	Pass
2538.45	-46.4	0.59	5.3	-41.69	-13	-28.69	Vertical	Pass
3384.6	-47.64	0.65	6.2	-42.09	-13	-29.09	Vertical	Pass

LTE FDD Band 5-16QAM-3.0MHz-Low channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1648.3	-45.75	0.52	6	-40.27	-13	-27.27	Horizontal	Pass
2472.45	-48.63	0.53	5.8	-43.36	-13	-30.36	Horizontal	Pass
3296.6	-48.48	0.65	6.2	-42.93	-13	-29.93	Horizontal	Pass
1648.3	-48.39	0.52	6	-42.91	-13	-29.91	Vertical	Pass
2472.45	-48.27	0.53	5.8	-43	-13	-30	Vertical	Pass
3296.6	-51.27	0.65	6.2	-45.72	-13	-32.72	Vertical	Pass

LTE FDD Band 5-16QAM-3.0MHz-Middle channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1670.3	-48.37	0.52	6	-42.89	-13	-29.89	Horizontal	Pass
2505.45	-48.78	0.59	5.3	-44.07	-13	-31.07	Horizontal	Pass
3340.6	-51.78	0.65	6.2	-46.23	-13	-33.23	Horizontal	Pass
1670.3	-46.62	0.52	6	-41.14	-13	-28.14	Vertical	Pass
2505.45	-48.2	0.59	5.3	-43.49	-13	-30.49	Vertical	Pass
3340.6	-47.84	0.65	6.2	-42.29	-13	-29.29	Vertical	Pass

LTE FDD Band 5-16QAM-3.0MHz-High channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1692.3	-48.4	0.52	6	-42.92	-13	-29.92	Horizontal	Pass
2538.45	-48.55	0.59	5.3	-43.84	-13	-30.84	Horizontal	Pass
3384.6	-51.13	0.65	6.2	-45.58	-13	-32.58	Horizontal	Pass
1692.3	-47.3	0.52	6	-41.82	-13	-28.82	Vertical	Pass
2538.45	-48.88	0.59	5.3	-44.17	-13	-31.17	Vertical	Pass
3384.6	-48.35	0.65	6.2	-42.8	-13	-29.8	Vertical	Pass

LTE FDD Band 5-QPSK-5.0MHz-Low channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1648.5	-46.01	0.52	6	-40.53	-13	-27.53	Horizontal	Pass
2472.75	-47.29	0.53	5.8	-42.02	-13	-29.02	Horizontal	Pass
3297	-46.93	0.65	6.2	-41.38	-13	-28.38	Horizontal	Pass
1648.5	-47.16	0.52	6	-41.68	-13	-28.68	Vertical	Pass
2472.75	-48.14	0.53	5.8	-42.87	-13	-29.87	Vertical	Pass
3297	-49.66	0.65	6.2	-44.11	-13	-31.11	Vertical	Pass

LTE FDD Band 5- QPSK-5.0MHz-Middle channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1668.5	-47.36	0.52	6	-41.88	-13	-28.88	Horizontal	Pass
2502.75	-47.34	0.59	5.3	-42.63	-13	-29.63	Horizontal	Pass
3337	-50.7	0.65	6.2	-45.15	-13	-32.15	Horizontal	Pass
1668.5	-46.49	0.52	6	-41.01	-13	-28.01	Vertical	Pass
2502.75	-47.17	0.59	5.3	-42.46	-13	-29.46	Vertical	Pass
3337	-47.17	0.65	6.2	-41.62	-13	-28.62	Vertical	Pass

LTE FDD Band 5- QPSK-5.0MHz-High channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1688.5	-46.04	0.52	6	-40.56	-13	-27.56	Horizontal	Pass
2532.75	-47.19	0.59	5.3	-42.48	-13	-29.48	Horizontal	Pass
3377	-48.15	0.65	6.2	-42.6	-13	-29.6	Horizontal	Pass
1688.5	-46.61	0.52	6	-41.13	-13	-28.13	Vertical	Pass
2532.75	-47.71	0.59	5.3	-43	-13	-30	Vertical	Pass
3377	-51.09	0.65	6.2	-45.54	-13	-32.54	Vertical	Pass

LTE FDD Band 5-16QAM-5.0MHz-Low channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1648.5	-48.58	0.52	6	-43.1	-13	-30.1	Horizontal	Pass
2472.75	-47.05	0.53	5.8	-41.78	-13	-28.78	Horizontal	Pass
3297	-50.53	0.65	6.2	-44.98	-13	-31.98	Horizontal	Pass
1648.5	-47.34	0.52	6	-41.86	-13	-28.86	Vertical	Pass
2472.75	-48.61	0.53	5.8	-43.34	-13	-30.34	Vertical	Pass
3297	-48.48	0.65	6.2	-42.93	-13	-29.93	Vertical	Pass

LTE FDD Band 5-16QAM-5.0MHz-Middle channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1668.5	-47.54	0.52	6	-42.06	-13	-29.06	Horizontal	Pass
2502.75	-48.17	0.59	5.3	-43.46	-13	-30.46	Horizontal	Pass
3337	-47.97	0.65	6.2	-42.42	-13	-29.42	Horizontal	Pass
1668.5	-50.46	0.52	6	-44.98	-13	-31.98	Vertical	Pass
2502.75	-46.98	0.59	5.3	-42.27	-13	-29.27	Vertical	Pass
3337	-51.54	0.65	6.2	-45.99	-13	-32.99	Vertical	Pass

LTE FDD Band 5-16QAM-5.0MHz-High channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1688.5	-47.73	0.52	6	-42.25	-13	-29.25	Horizontal	Pass
2532.75	-48.45	0.59	5.3	-43.74	-13	-30.74	Horizontal	Pass
3377	-49.57	0.65	6.2	-44.02	-13	-31.02	Horizontal	Pass
1688.5	-49.21	0.52	6	-43.73	-13	-30.73	Vertical	Pass
2532.75	-46.88	0.59	5.3	-42.17	-13	-29.17	Vertical	Pass
3377	-50.99	0.65	6.2	-45.44	-13	-32.44	Vertical	Pass

LTE FDD Band 5-QPSK-10.0MHz-Low channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1649	-49.92	0.52	6	-44.44	-13	-31.44	Horizontal	Pass
2473.5	-50.99	0.53	5.8	-45.72	-13	-32.72	Horizontal	Pass
3298	-52.96	0.65	6.2	-47.41	-13	-34.41	Horizontal	Pass
1649	-48.16	0.52	6	-42.68	-13	-29.68	Vertical	Pass
2473.5	-52.7	0.53	5.8	-47.43	-13	-34.43	Vertical	Pass
3298	-53.13	0.65	6.2	-47.58	-13	-34.58	Vertical	Pass

LTE FDD Band 5- QPSK-10.0MHz-Middle channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1664	-49.94	0.52	6	-44.46	-13	-31.46	Horizontal	Pass
2496	-51.39	0.53	5.8	-46.12	-13	-33.12	Horizontal	Pass
3328	-52.55	0.65	6.2	-47	-13	-34	Horizontal	Pass
1664	-48.83	0.52	6	-43.35	-13	-30.35	Vertical	Pass
2496	-54.34	0.53	5.8	-49.07	-13	-36.07	Vertical	Pass
3328	-53.56	0.65	6.2	-48.01	-13	-35.01	Vertical	Pass

LTE FDD Band 5- QPSK-10.0MHz-High channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1679	-48.79	0.52	6	-43.31	-13	-30.31	Horizontal	Pass
2518.5	-52.42	0.59	5.3	-47.71	-13	-34.71	Horizontal	Pass
3358	-54.4	0.65	6.2	-48.85	-13	-35.85	Horizontal	Pass
1679	-49.08	0.52	6	-43.6	-13	-30.6	Vertical	Pass
2518.5	-50.73	0.59	5.3	-46.02	-13	-33.02	Vertical	Pass
3358	-54.15	0.65	6.2	-48.6	-13	-35.6	Vertical	Pass

LTE FDD Band 5-16QAM-10.0MHz-Low channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1649	-45.92	0.52	6	-40.44	-13	-27.44	Horizontal	Pass
2473.5	-49.27	0.53	5.8	-44	-13	-31	Horizontal	Pass
3298	-48.06	0.65	6.2	-42.51	-13	-29.51	Horizontal	Pass
1649	-48.39	0.52	6	-42.91	-13	-29.91	Vertical	Pass
2473.5	-48.68	0.53	5.8	-43.41	-13	-30.41	Vertical	Pass
3298	-50.73	0.65	6.2	-45.18	-13	-32.18	Vertical	Pass

LTE FDD Band 5-16QAM-10.0MHz-Middle channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1664	-47.78	0.52	6	-42.3	-13	-29.3	Horizontal	Pass
2496	-48.39	0.53	5.8	-43.12	-13	-30.12	Horizontal	Pass
3328	-51.73	0.65	6.2	-46.18	-13	-33.18	Horizontal	Pass
1664	-47.21	0.52	6	-41.73	-13	-28.73	Vertical	Pass
2496	-49.77	0.53	5.8	-44.5	-13	-31.5	Vertical	Pass
3328	-49.48	0.65	6.2	-43.93	-13	-30.93	Vertical	Pass

LTE FDD Band 5-16QAM-10.0MHz-High channel								
Frequency (MHz)	S.G. Power (dBm)	Cable loss (dB)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization (H/V)	Result
1679	-46.8	0.52	6	-41.32	-13	-28.32	Horizontal	Pass
2518.5	-49.95	0.59	5.3	-45.24	-13	-32.24	Horizontal	Pass
3358	-48.67	0.65	6.2	-43.12	-13	-30.12	Horizontal	Pass
1679	-48.95	0.52	6	-43.47	-13	-30.47	Vertical	Pass
2518.5	-48.96	0.59	5.3	-44.25	-13	-31.25	Vertical	Pass
3358	-52.14	0.65	6.2	-46.59	-13	-33.59	Vertical	Pass

Note: All modes have been tested and we only record the worst test result.