







Appendix E: Conducted Spurious Emission

Test Result (worst case)

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	30~1000MHz	-38.41	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	1000~20000MHz	-38.53	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	30~1000MHz	-38.21	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	1000~20000MHz	-38.92	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	30~1000MHz	-38.83	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	1000~20000MHz	-37.3	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	30~1000MHz	-38.17	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	1000~20000MHz	-39.17	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	30~1000MHz	-38.15	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	1000~20000MHz	-38.88	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	30~1000MHz	-38	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	1000~20000MHz	-38.86	PASS
Band2	20MHz	QPSK	18700	1RB#0	30~1000MHz	-38.08	PASS
Band2	20MHz	QPSK	18700	1RB#0	1000~20000MHz	-38.11	PASS
Band2	20MHz	QPSK	18900	1RB#0	30~1000MHz	-38.45	PASS
Band2	20MHz	QPSK	18900	1RB#0	1000~20000MHz	-38.67	PASS
Band2	20MHz	QPSK	19100	1RB#0	30~1000MHz	-38.59	PASS
Band2	20MHz	QPSK	19100	1RB#0	1000~20000MHz	-38.28	PASS
Band2	20MHz	16QAM	18700	1RB#0	30~1000MHz	-37.96	PASS
Band2	20MHz	16QAM	18700	1RB#0	1000~20000MHz	-38.4	PASS
Band2	20MHz	16QAM	18900	1RB#0	30~1000MHz	-38.92	PASS
Band2	20MHz	16QAM	18900	1RB#0	1000~20000MHz	-37.12	PASS
Band2	20MHz	16QAM	19100	1RB#0	30~1000MHz	-38.72	PASS
Band2	20MHz	16QAM	19100	1RB#0	1000~20000MHz	-39.08	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000MHz	-36.1	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~20000MHz	-38.23	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000MHz	-37.61	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~20000MHz	-38.88	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000MHz	-38.52	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~20000MHz	-38.4	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000MHz	-38.84	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~20000MHz	-37.2	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000MHz	-38.42	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~20000MHz	-38	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000MHz	-38.63	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~20000MHz	-37.87	PASS

Band4	20MHz	QPSK	20050	1RB#0	30~1000MHz	-37.63	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~20000MHz	-38.36	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000MHz	-37.88	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~20000MHz	-38.63	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000MHz	-38.57	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~20000MHz	-38.98	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000MHz	-38.37	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~20000MHz	-37.6	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000MHz	-37.72	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~20000MHz	-38.17	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000MHz	-38.86	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~20000MHz	-38.52	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000MHz	-47.14	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~10000MHz	-39.01	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000MHz	-46.8	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~10000MHz	-39.03	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000MHz	-47.61	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~10000MHz	-37.57	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000MHz	-46.69	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~10000MHz	-37.29	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000MHz	-47.83	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~10000MHz	-39.76	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000MHz	-47.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~10000MHz	-39.13	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000MHz	-47.66	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~10000MHz	-38.02	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000MHz	-47.36	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~10000MHz	-38.92	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000MHz	-47.11	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~10000MHz	-39.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000MHz	-47.31	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~10000MHz	-37.04	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000MHz	-47.87	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~10000MHz	-38.01	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000MHz	-48.24	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~10000MHz	-39	PASS
Band7	5MHz	QPSK	20775	1RB#0	30~1000MHz	-48.59	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~27000MHz	-35.43	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000MHz	-48.15	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~27000MHz	-35.16	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000MHz	-48.11	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~27000MHz	-35.4	PASS

Band7	5MHz	16QAM	20775	1RB#0	30~1000MHz	-47.35	PASS
Band7	5MHz	16QAM	20775	1RB#0	1000~27000MHz	-35.55	PASS
Band7	5MHz	16QAM	21100	1RB#0	30~1000MHz	-48.24	PASS
Band7	5MHz	16QAM	21100	1RB#0	1000~27000MHz	-35.59	PASS
Band7	5MHz	16QAM	21425	1RB#0	30~1000MHz	-47.77	PASS
Band7	5MHz	16QAM	21425	1RB#0	1000~27000MHz	-35.49	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000MHz	-47.73	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~27000MHz	-34.55	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000MHz	-48.83	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~27000MHz	-36.09	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~1000MHz	-47.11	PASS
Band7	20MHz	QPSK	21350	1RB#0	1000~27000MHz	-35.5	PASS
Band7	20MHz	16QAM	20850	1RB#0	30~1000MHz	-47.73	PASS
Band7	20MHz	16QAM	20850	1RB#0	1000~27000MHz	-36.12	PASS
Band7	20MHz	16QAM	21100	1RB#0	30~1000MHz	-47.38	PASS
Band7	20MHz	16QAM	21100	1RB#0	1000~27000MHz	-35.47	PASS
Band7	20MHz	16QAM	21350	1RB#0	30~1000MHz	-46.26	PASS
Band7	20MHz	16QAM	21350	1RB#0	1000~27000MHz	-35.18	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000MHz	-47.18	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~10000MHz	-39.6	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000MHz	-46.68	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~10000MHz	-39.8	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000MHz	-45.72	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~10000MHz	-38.27	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000MHz	-46.51	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~10000MHz	-38.8	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000MHz	-46.94	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~10000MHz	-39.5	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000MHz	-46.14	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~10000MHz	-38.07	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000MHz	-45.31	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~10000MHz	-39.8	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000MHz	-46.85	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~10000MHz	-39.21	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000MHz	-46.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~10000MHz	-38.45	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000MHz	-46.38	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~10000MHz	-38.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000MHz	-45.36	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~10000MHz	-38.12	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000MHz	-47.22	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~10000MHz	-38.44	PASS

Band38	5MHz	QPSK	37775	1RB#0	30~1000MHz	-47.88	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~27000MHz	-35.07	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000MHz	-47.42	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~27000MHz	-35.34	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000MHz	-48.21	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~27000MHz	-35.26	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000MHz	-47.67	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~27000MHz	-34.76	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000MHz	-48.99	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~27000MHz	-35.49	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000MHz	-47.75	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~27000MHz	-35.76	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000MHz	-48.69	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~27000MHz	-35.35	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000MHz	-47.46	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~27000MHz	-35.18	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000MHz	-47.51	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~27000MHz	-33.92	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000MHz	-47.85	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~27000MHz	-35.15	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000MHz	-48.26	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~27000MHz	-35.26	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000MHz	-48.24	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~27000MHz	-35.67	PASS
Band41	5MHz	QPSK	40065	1RB#0	30~1000MHz	-48.06	PASS
Band41	5MHz	QPSK	40065	1RB#0	1000~27000MHz	-35.43	PASS
Band41	5MHz	QPSK	40640	1RB#0	30~1000MHz	-46.82	PASS
Band41	5MHz	QPSK	40640	1RB#0	1000~27000MHz	-35.72	PASS
Band41	5MHz	QPSK	41215	1RB#0	30~1000MHz	-48.04	PASS
Band41	5MHz	QPSK	41215	1RB#0	1000~27000MHz	-35.06	PASS
Band41	5MHz	16QAM	40065	1RB#0	30~1000MHz	-47.31	PASS
Band41	5MHz	16QAM	40065	1RB#0	1000~27000MHz	-35.07	PASS
Band41	5MHz	16QAM	40640	1RB#0	30~1000MHz	-48.01	PASS
Band41	5MHz	16QAM	40640	1RB#0	1000~27000MHz	-34.97	PASS
Band41	5MHz	16QAM	41215	1RB#0	30~1000MHz	-47.32	PASS
Band41	5MHz	16QAM	41215	1RB#0	1000~27000MHz	-35.21	PASS
Band41	20MHz	QPSK	40140	1RB#0	30~1000MHz	-47.42	PASS
Band41	20MHz	QPSK	40140	1RB#0	1000~27000MHz	-35.34	PASS
Band41	20MHz	QPSK	40640	1RB#0	30~1000MHz	-48.55	PASS
Band41	20MHz	QPSK	40640	1RB#0	1000~27000MHz	-33.66	PASS
Band41	20MHz	QPSK	41140	1RB#0	30~1000MHz	-47.4	PASS
Band41	20MHz	QPSK	41140	1RB#0	1000~27000MHz	-35.32	PASS

Band41	20MHz	16QAM	40140	1RB#0	30~1000MHz	-46.63	PASS
Band41	20MHz	16QAM	40140	1RB#0	1000~27000MHz	-35.44	PASS
Band41	20MHz	16QAM	40640	1RB#0	30~1000MHz	-48.42	PASS
Band41	20MHz	16QAM	40640	1RB#0	1000~27000MHz	-35.4	PASS
Band41	20MHz	16QAM	41140	1RB#0	30~1000MHz	-47.85	PASS
Band41	20MHz	16QAM	41140	1RB#0	1000~27000MHz	-33.89	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	30~1000MHz	-38.6	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	1000~20000MHz	-38.37	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	30~1000MHz	-38.07	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	1000~20000MHz	-37.67	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	30~1000MHz	-38.23	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	1000~20000MHz	-38.46	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	30~1000MHz	-38.47	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	1000~20000MHz	-38.26	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	30~1000MHz	-37.87	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	1000~20000MHz	-38.67	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	30~1000MHz	-37.92	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	1000~20000MHz	-38.11	PASS
Band66	20MHz	QPSK	132072	1RB#0	30~1000MHz	-37.39	PASS
Band66	20MHz	QPSK	132072	1RB#0	1000~20000MHz	-38.53	PASS
Band66	20MHz	QPSK	132322	1RB#0	30~1000MHz	-37.89	PASS
Band66	20MHz	QPSK	132322	1RB#0	1000~20000MHz	-39.11	PASS
Band66	20MHz	QPSK	132572	1RB#0	30~1000MHz	-36.85	PASS
Band66	20MHz	QPSK	132572	1RB#0	1000~20000MHz	-38.83	PASS
Band66	20MHz	16QAM	132072	1RB#0	30~1000MHz	-38.25	PASS
Band66	20MHz	16QAM	132072	1RB#0	1000~20000MHz	-37.8	PASS
Band66	20MHz	16QAM	132322	1RB#0	30~1000MHz	-37.36	PASS
Band66	20MHz	16QAM	132322	1RB#0	1000~20000MHz	-37.9	PASS
Band66	20MHz	16QAM	132572	1RB#0	30~1000MHz	-38.42	PASS
Band66	20MHz	16QAM	132572	1RB#0	1000~20000MHz	-37.82	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs























