

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	Range1:30~1000MHz	-46.89	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-31.68	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-46.96	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-27.67	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-46.76	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-23.17	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-46.83	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-29.66	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-46.45	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-32.75	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-46.51	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-20.58	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	Range1:30~1000MHz	-46.03	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	Range2:1000~20000MHz	-27.24	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	Range1:30~1000MHz	-47.07	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	Range2:1000~20000MHz	-27.73	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	Range1:30~1000MHz	-46.7	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	Range2:1000~20000MHz	-22.86	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-46.35	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-25.98	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-45.71	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-25.95	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-45.76	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-27.33	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-47.03	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-30.63	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-46.46	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-30	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-45.83	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-31.16	PASS
Band2	20MHz	64QAM	18700	1RB#0	Range1:30~1000MHz	-46.64	PASS
Band2	20MHz	64QAM	18700	1RB#0	Range2:1000~20000MHz	-31.06	PASS
Band2	20MHz	64QAM	18900	1RB#0	Range1:30~1000MHz	-46.73	PASS
Band2	20MHz	64QAM	18900	1RB#0	Range2:1000~20000MHz	-32.99	PASS
Band2	20MHz	64QAM	19100	1RB#0	Range1:30~1000MHz	-46.84	PASS
Band2	20MHz	64QAM	19100	1RB#0	Range2:1000~20000MHz	-34.74	PASS

Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-45.68	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-36.43	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.27	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-33.29	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-46.05	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-36.15	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-45.67	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-37.11	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-46.04	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-34.18	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-45.79	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-36.55	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range1:30~1000MHz	-46.43	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range2:1000~10000MHz	-36.25	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range1:30~1000MHz	-46.2	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range2:1000~10000MHz	-35.76	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range1:30~1000MHz	-44.8	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range2:1000~10000MHz	-36.87	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-45.26	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-36.83	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-45.24	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-36.36	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-45.56	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-34.17	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-45.12	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-36.96	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.58	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-35.24	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-46.59	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-34.84	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range1:30~1000MHz	-45.96	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range2:1000~10000MHz	-37.67	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range1:30~1000MHz	-45.47	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range2:1000~10000MHz	-34.46	PASS
Band5	10MHz	64QAM	20600	1RB#0	Range1:30~1000MHz	-46.09	PASS
Band5	10MHz	64QAM	20600	1RB#0	Range2:1000~10000MHz	-34.34	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-46.66	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~26500MHz	-29.26	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.17	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-30.05	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-46.69	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~26500MHz	-30.18	PASS

Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-46.64	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~26500MHz	-30.03	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-46.53	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-27.37	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-46.67	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~26500MHz	-29.82	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range1:30~1000MHz	-47.16	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range2:1000~26500MHz	-29.72	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-46.64	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range2:1000~26500MHz	-29.89	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range1:30~1000MHz	-45.71	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range2:1000~26500MHz	-30.18	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-46.84	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~26500MHz	-30.45	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-45.55	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-30.09	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-46.54	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~26500MHz	-28.72	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-46.76	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~26500MHz	-29.83	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-46.95	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-30.35	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-47.02	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~26500MHz	-29.54	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range1:30~1000MHz	-47.12	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range2:1000~26500MHz	-29.78	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-46.64	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range2:1000~26500MHz	-29.46	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range1:30~1000MHz	-46.46	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range2:1000~26500MHz	-29.09	PASS
Band41	5MHz	QPSK	40065	1RB#0	Range1:30~1000MHz	-47.74	PASS
Band41	5MHz	QPSK	40065	1RB#0	Range2:1000~26500MHz	-29.51	PASS
Band41	5MHz	QPSK	40640	1RB#0	Range1:30~1000MHz	-47.41	PASS
Band41	5MHz	QPSK	40640	1RB#0	Range2:1000~26500MHz	-30.12	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range1:30~1000MHz	-45.78	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range2:1000~26500MHz	-28.96	PASS
Band41	5MHz	16QAM	40065	1RB#0	Range1:30~1000MHz	-46.5	PASS
Band41	5MHz	16QAM	40065	1RB#0	Range2:1000~26500MHz	-29.79	PASS
Band41	5MHz	16QAM	40640	1RB#0	Range1:30~1000MHz	-46.52	PASS
Band41	5MHz	16QAM	40640	1RB#0	Range2:1000~26500MHz	-29.9	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range1:30~1000MHz	-46.43	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range2:1000~26500MHz	-29.61	PASS

Band41	5MHz	64QAM	40065	1RB#0	Range1:30~1000MHz	-46.65	PASS
Band41	5MHz	64QAM	40065	1RB#0	Range2:1000~26500MHz	-29.74	PASS
Band41	5MHz	64QAM	40640	1RB#0	Range1:30~1000MHz	-47.18	PASS
Band41	5MHz	64QAM	40640	1RB#0	Range2:1000~26500MHz	-29.6	PASS
Band41	5MHz	64QAM	41215	1RB#0	Range1:30~1000MHz	-45.64	PASS
Band41	5MHz	64QAM	41215	1RB#0	Range2:1000~26500MHz	-29.91	PASS
Band41	20MHz	QPSK	40140	1RB#0	Range1:30~1000MHz	-46.03	PASS
Band41	20MHz	QPSK	40140	1RB#0	Range2:1000~26500MHz	-29.47	PASS
Band41	20MHz	QPSK	40640	1RB#0	Range1:30~1000MHz	-46.38	PASS
Band41	20MHz	QPSK	40640	1RB#0	Range2:1000~26500MHz	-29.3	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range1:30~1000MHz	-46.48	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range2:1000~26500MHz	-28.98	PASS
Band41	20MHz	16QAM	40140	1RB#0	Range1:30~1000MHz	-46.65	PASS
Band41	20MHz	16QAM	40140	1RB#0	Range2:1000~26500MHz	-28.99	PASS
Band41	20MHz	16QAM	40640	1RB#0	Range1:30~1000MHz	-46.53	PASS
Band41	20MHz	16QAM	40640	1RB#0	Range2:1000~26500MHz	-29.53	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range1:30~1000MHz	-46.81	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range2:1000~26500MHz	-30.27	PASS
Band41	20MHz	64QAM	40140	1RB#0	Range1:30~1000MHz	-46.68	PASS
Band41	20MHz	64QAM	40140	1RB#0	Range2:1000~26500MHz	-29.71	PASS
Band41	20MHz	64QAM	40640	1RB#0	Range1:30~1000MHz	-46.61	PASS
Band41	20MHz	64QAM	40640	1RB#0	Range2:1000~26500MHz	-29.24	PASS
Band41	20MHz	64QAM	41140	1RB#0	Range1:30~1000MHz	-45.91	PASS
Band41	20MHz	64QAM	41140	1RB#0	Range2:1000~26500MHz	-30.22	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range1:30~1000MHz	-47.2	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range2:1000~20000MHz	-35.05	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-45.05	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-34.28	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range1:30~1000MHz	-47.26	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range2:1000~20000MHz	-34.48	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range1:30~1000MHz	-45.73	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range2:1000~20000MHz	-35.18	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-46.89	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-34.82	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range1:30~1000MHz	-46.01	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range2:1000~20000MHz	-34.43	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	Range1:30~1000MHz	-46.08	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	Range2:1000~20000MHz	-34.26	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	Range1:30~1000MHz	-46.62	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	Range2:1000~20000MHz	-34.73	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	Range1:30~1000MHz	-46.49	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	Range2:1000~20000MHz	-33.81	PASS

Band66	20MHz	QPSK	132072	1RB#0	Range1:30~1000MHz	-46.61	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range2:1000~20000MHz	-34.31	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-46.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-34.72	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range1:30~1000MHz	-45.4	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range2:1000~20000MHz	-33.08	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range1:30~1000MHz	-45.98	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range2:1000~20000MHz	-34.2	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-46.61	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-33.47	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range1:30~1000MHz	-46.83	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range2:1000~20000MHz	-35.11	PASS
Band66	20MHz	64QAM	132072	1RB#0	Range1:30~1000MHz	-46.38	PASS
Band66	20MHz	64QAM	132072	1RB#0	Range2:1000~20000MHz	-34.83	PASS
Band66	20MHz	64QAM	132322	1RB#0	Range1:30~1000MHz	-46.73	PASS
Band66	20MHz	64QAM	132322	1RB#0	Range2:1000~20000MHz	-34.66	PASS
Band66	20MHz	64QAM	132572	1RB#0	Range1:30~1000MHz	-46.82	PASS
Band66	20MHz	64QAM	132572	1RB#0	Range2:1000~20000MHz	-33.54	PASS

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

Test Graphs

































