

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	-46.86	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-34.48	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-45.61	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-34.6	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-46.63	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-34.63	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-46.36	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-34.34	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-47.18	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-35.04	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-46.81	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-34.1	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	Range1:30~1000MHz	-45.99	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	Range2:1000~20000MHz	-34.43	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	Range1:30~1000MHz	-46.49	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	Range2:1000~20000MHz	-34.81	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	Range1:30~1000MHz	-47.12	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	Range2:1000~20000MHz	-35	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-46.23	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-35.19	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-46.84	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-34.62	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-46.96	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-34.86	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-46.96	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-34.77	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-47.31	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-34.75	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-46.6	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-34.1	PASS
Band2	20MHz	64QAM	18700	1RB#0	Range1:30~1000MHz	-46.45	PASS
Band2	20MHz	64QAM	18700	1RB#0	Range2:1000~20000MHz	-34.28	PASS
Band2	20MHz	64QAM	18900	1RB#0	Range1:30~1000MHz	-45.85	PASS
Band2	20MHz	64QAM	18900	1RB#0	Range2:1000~20000MHz	-33.51	PASS
Band2	20MHz	64QAM	19100	1RB#0	Range1:30~1000MHz	-47.55	PASS
Band2	20MHz	64QAM	19100	1RB#0	Range2:1000~20000MHz	-34.55	PASS

Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-45.47	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-41.53	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-45.84	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-41.03	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-45.98	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-41.14	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-45.85	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-41	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.43	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-40.48	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-45.72	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-40.87	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range1:30~1000MHz	-44.59	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range2:1000~10000MHz	-40.86	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range1:30~1000MHz	-45.88	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range2:1000~10000MHz	-41.03	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range1:30~1000MHz	-46	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range2:1000~10000MHz	-40.91	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-46.02	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-40.4	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-45.51	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-40.77	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-45.57	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-40.14	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-46.13	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-41.05	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-44.36	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-40.56	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-45.12	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-40.42	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range1:30~1000MHz	-45.2	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range2:1000~10000MHz	-41.42	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range1:30~1000MHz	-45.72	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range2:1000~10000MHz	-41.24	PASS
Band5	10MHz	64QAM	20600	1RB#0	Range1:30~1000MHz	-45.8	PASS
Band5	10MHz	64QAM	20600	1RB#0	Range2:1000~10000MHz	-40.79	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-46.66	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~26500MHz	-29.92	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.35	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-30.09	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-46.57	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~26500MHz	-29.68	PASS

Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-46.09	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~26500MHz	-30	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-46.46	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-29.78	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-46.72	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~26500MHz	-28.59	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range1:30~1000MHz	-46.35	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range2:1000~26500MHz	-29.65	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-46.29	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range2:1000~26500MHz	-29.43	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range1:30~1000MHz	-46.5	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range2:1000~26500MHz	-29.55	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-45.53	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~26500MHz	-29.68	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-45.76	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-29.4	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-47.58	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~26500MHz	-28.56	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-46.35	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~26500MHz	-29.06	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-46.93	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-29.92	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-46.81	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~26500MHz	-30.07	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range1:30~1000MHz	-46.1	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range2:1000~26500MHz	-30.09	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-46.93	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range2:1000~26500MHz	-29.32	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range1:30~1000MHz	-46.91	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range2:1000~26500MHz	-30.14	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-45.75	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-40.46	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-46.08	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-39.69	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-45.19	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-38.84	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-45.44	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-39.69	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.22	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-40.97	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-45.6	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-40.02	PASS

Band12	1.4MHz	64QAM	23017	1RB#0	Range1:30~1000MHz	-45.77	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range2:1000~10000MHz	-39.72	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-46.01	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range2:1000~10000MHz	-40.08	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range1:30~1000MHz	-44.91	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range2:1000~10000MHz	-41.51	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-44.99	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-40.24	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-44.14	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-41.04	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-45.2	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-39.98	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-45.32	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-40.18	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.39	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-41.22	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-45.76	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-40.77	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range1:30~1000MHz	-45.98	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range2:1000~10000MHz	-40.93	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-45.81	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range2:1000~10000MHz	-40.1	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range1:30~1000MHz	-45.58	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range2:1000~10000MHz	-40.9	PASS
Band41	5MHz	QPSK	40065	1RB#0	Range1:30~1000MHz	-46.08	PASS
Band41	5MHz	QPSK	40065	1RB#0	Range2:1000~26500MHz	-29.54	PASS
Band41	5MHz	QPSK	40640	1RB#0	Range1:30~1000MHz	-45.55	PASS
Band41	5MHz	QPSK	40640	1RB#0	Range2:1000~26500MHz	-28.14	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range1:30~1000MHz	-45.52	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range2:1000~26500MHz	-28.21	PASS
Band41	5MHz	16QAM	40065	1RB#0	Range1:30~1000MHz	-45.95	PASS
Band41	5MHz	16QAM	40065	1RB#0	Range2:1000~26500MHz	-28.33	PASS
Band41	5MHz	16QAM	40640	1RB#0	Range1:30~1000MHz	-46.43	PASS
Band41	5MHz	16QAM	40640	1RB#0	Range2:1000~26500MHz	-28.58	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range1:30~1000MHz	-46.98	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range2:1000~26500MHz	-29.36	PASS
Band41	5MHz	64QAM	40065	1RB#0	Range1:30~1000MHz	-46.46	PASS
Band41	5MHz	64QAM	40065	1RB#0	Range2:1000~26500MHz	-29.57	PASS
Band41	5MHz	64QAM	40640	1RB#0	Range1:30~1000MHz	-46.8	PASS
Band41	5MHz	64QAM	40640	1RB#0	Range2:1000~26500MHz	-29.97	PASS
Band41	5MHz	64QAM	41215	1RB#0	Range1:30~1000MHz	-45.72	PASS
Band41	5MHz	64QAM	41215	1RB#0	Range2:1000~26500MHz	-30.1	PASS

Band41	20MHz	QPSK	40140	1RB#0	Range1:30~1000MHz	-45.58	PASS
Band41	20MHz	QPSK	40140	1RB#0	Range2:1000~26500MHz	-28.3	PASS
Band41	20MHz	QPSK	40640	1RB#0	Range1:30~1000MHz	-45.3	PASS
Band41	20MHz	QPSK	40640	1RB#0	Range2:1000~26500MHz	-28.9	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range1:30~1000MHz	-46.5	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range2:1000~26500MHz	-29.45	PASS
Band41	20MHz	16QAM	40140	1RB#0	Range1:30~1000MHz	-46.67	PASS
Band41	20MHz	16QAM	40140	1RB#0	Range2:1000~26500MHz	-29.04	PASS
Band41	20MHz	16QAM	40640	1RB#0	Range1:30~1000MHz	-46.51	PASS
Band41	20MHz	16QAM	40640	1RB#0	Range2:1000~26500MHz	-30.2	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range1:30~1000MHz	-47.33	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range2:1000~26500MHz	-29.12	PASS
Band41	20MHz	64QAM	40140	1RB#0	Range1:30~1000MHz	-46.01	PASS
Band41	20MHz	64QAM	40140	1RB#0	Range2:1000~26500MHz	-29.69	PASS
Band41	20MHz	64QAM	40640	1RB#0	Range1:30~1000MHz	-46.67	PASS
Band41	20MHz	64QAM	40640	1RB#0	Range2:1000~26500MHz	-30.06	PASS
Band41	20MHz	64QAM	41140	1RB#0	Range1:30~1000MHz	-46.06	PASS
Band41	20MHz	64QAM	41140	1RB#0	Range2:1000~26500MHz	-30.29	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range1:30~1000MHz	-45.33	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range2:1000~20000MHz	-34.54	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-46.14	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-35.15	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range1:30~1000MHz	-46.37	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range2:1000~20000MHz	-34.27	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range1:30~1000MHz	-47.02	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range2:1000~20000MHz	-34.76	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-46.87	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-34.48	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range1:30~1000MHz	-47.44	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range2:1000~20000MHz	-35.15	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	Range1:30~1000MHz	-45.16	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	Range2:1000~20000MHz	-34.64	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	Range1:30~1000MHz	-46.84	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	Range2:1000~20000MHz	-35.25	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	Range1:30~1000MHz	-46.4	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	Range2:1000~20000MHz	-34.73	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range1:30~1000MHz	-46.33	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range2:1000~20000MHz	-34.6	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-45.79	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-35.01	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range1:30~1000MHz	-46.4	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range2:1000~20000MHz	-34.78	PASS

Band66	20MHz	16QAM	132072	1RB#0	Range1:30~1000MHz	-46.75	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range2:1000~20000MHz	-35.36	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-46.34	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-34.26	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range1:30~1000MHz	-46.95	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range2:1000~20000MHz	-35.67	PASS
Band66	20MHz	64QAM	132072	1RB#0	Range1:30~1000MHz	-46.3	PASS
Band66	20MHz	64QAM	132072	1RB#0	Range2:1000~20000MHz	-34.51	PASS
Band66	20MHz	64QAM	132322	1RB#0	Range1:30~1000MHz	-46.18	PASS
Band66	20MHz	64QAM	132322	1RB#0	Range2:1000~20000MHz	-34.22	PASS
Band66	20MHz	64QAM	132572	1RB#0	Range1:30~1000MHz	-46.18	PASS
Band66	20MHz	64QAM	132572	1RB#0	Range2:1000~20000MHz	-34.98	PASS

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

Test Graphs

































