

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	-46.81	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-34.92	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-47.05	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-35.07	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-46.39	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-35.25	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-46.43	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-34.18	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-47.37	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-33.94	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-47.46	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-34.93	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	Range1:30~1000MHz	-46.82	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	Range2:1000~20000MHz	-34.49	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	Range1:30~1000MHz	-45.68	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	Range2:1000~20000MHz	-34.85	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	Range1:30~1000MHz	-47.2	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	Range2:1000~20000MHz	-34.49	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-45.53	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-34.28	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-47.07	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-33.91	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-47.23	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-34.45	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-46.78	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-34.46	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-46.32	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-34.14	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-46.92	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-34.59	PASS
Band2	20MHz	64QAM	18700	1RB#0	Range1:30~1000MHz	-46.4	PASS
Band2	20MHz	64QAM	18700	1RB#0	Range2:1000~20000MHz	-34.39	PASS
Band2	20MHz	64QAM	18900	1RB#0	Range1:30~1000MHz	-45.99	PASS
Band2	20MHz	64QAM	18900	1RB#0	Range2:1000~20000MHz	-35.06	PASS
Band2	20MHz	64QAM	19100	1RB#0	Range1:30~1000MHz	-45.69	PASS
Band2	20MHz	64QAM	19100	1RB#0	Range2:1000~20000MHz	-34.97	PASS

Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-45	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-40.35	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.04	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-40.33	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-46.04	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-40.71	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-44.79	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-41.31	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-46.64	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-39.13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-45.62	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-40.7	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range1:30~1000MHz	-46.02	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range2:1000~10000MHz	-41.54	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range1:30~1000MHz	-46.06	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range2:1000~10000MHz	-40.96	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range1:30~1000MHz	-45.94	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range2:1000~10000MHz	-40.89	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-45.79	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-41.06	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.48	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-41.08	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-44.71	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-41.44	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-46.54	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-40.71	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.54	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-41.18	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-45.91	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-41.3	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range1:30~1000MHz	-46.34	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range2:1000~10000MHz	-39.54	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range1:30~1000MHz	-45.67	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range2:1000~10000MHz	-40.54	PASS
Band5	10MHz	64QAM	20600	1RB#0	Range1:30~1000MHz	-46.23	PASS
Band5	10MHz	64QAM	20600	1RB#0	Range2:1000~10000MHz	-40.29	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-47.25	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~26500MHz	-30.03	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-46.55	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-29.99	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-46.79	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~26500MHz	-30.02	PASS

Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-46.5	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~26500MHz	-28.65	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-46.7	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-29.96	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-46.92	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~26500MHz	-28.27	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range1:30~1000MHz	-46.58	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range2:1000~26500MHz	-30.15	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-46.61	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range2:1000~26500MHz	-29.62	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range1:30~1000MHz	-45.83	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range2:1000~26500MHz	-29.76	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-45.92	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~26500MHz	-29.42	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-46.06	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-29.95	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-46.04	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~26500MHz	-30.22	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-46.1	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~26500MHz	-29.43	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-46.31	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-29.67	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-46.07	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~26500MHz	-27.35	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range1:30~1000MHz	-46.54	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range2:1000~26500MHz	-30.76	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-47.15	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range2:1000~26500MHz	-30.18	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range1:30~1000MHz	-46.27	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range2:1000~26500MHz	-29.27	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-45.67	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-41.16	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.97	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-40.28	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-45.78	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-40.2	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-45.39	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-40.46	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-44.76	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-40.31	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-45.39	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-40.88	PASS

Band12	1.4MHz	64QAM	23017	1RB#0	Range1:30~1000MHz	-46.11	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	Range2:1000~10000MHz	-40.21	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-46.01	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	Range2:1000~10000MHz	-40.23	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range1:30~1000MHz	-45.29	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	Range2:1000~10000MHz	-41.24	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-45.16	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-40.84	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.23	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-40.5	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-45.6	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-40.78	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-44.8	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-40.45	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.86	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-39.66	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-45.36	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-40.97	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range1:30~1000MHz	-45.2	PASS
Band12	10MHz	64QAM	23060	1RB#0	Range2:1000~10000MHz	-40.75	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range1:30~1000MHz	-45.25	PASS
Band12	10MHz	64QAM	23095	1RB#0	Range2:1000~10000MHz	-41.01	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range1:30~1000MHz	-45.99	PASS
Band12	10MHz	64QAM	23130	1RB#0	Range2:1000~10000MHz	-40.61	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range1:30~1000MHz	-46.78	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range2:1000~26500MHz	-29.7	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range1:30~1000MHz	-46.51	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range2:1000~26500MHz	-29.36	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range1:30~1000MHz	-45.93	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range2:1000~26500MHz	-28.89	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range1:30~1000MHz	-46.47	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range2:1000~26500MHz	-30.05	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range1:30~1000MHz	-45.66	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range2:1000~26500MHz	-29.61	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range1:30~1000MHz	-46.33	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range2:1000~26500MHz	-29.35	PASS
Band41	5MHz	64QAM	39675	1RB#0	Range1:30~1000MHz	-46.76	PASS
Band41	5MHz	64QAM	39675	1RB#0	Range2:1000~26500MHz	-29.3	PASS
Band41	5MHz	64QAM	40620	1RB#0	Range1:30~1000MHz	-46.22	PASS
Band41	5MHz	64QAM	40620	1RB#0	Range2:1000~26500MHz	-29.74	PASS
Band41	5MHz	64QAM	41565	1RB#0	Range1:30~1000MHz	-46.16	PASS
Band41	5MHz	64QAM	41565	1RB#0	Range2:1000~26500MHz	-29.07	PASS

Band41	20MHz	QPSK	39750	1RB#0	Range1:30~1000MHz	-46.84	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range2:1000~26500MHz	-29.47	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range1:30~1000MHz	-46.94	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range2:1000~26500MHz	-28.81	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range1:30~1000MHz	-46.75	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range2:1000~26500MHz	-29.37	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range1:30~1000MHz	-46.25	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range2:1000~26500MHz	-29.89	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range1:30~1000MHz	-47.18	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range2:1000~26500MHz	-28.84	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range1:30~1000MHz	-46.92	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range2:1000~26500MHz	-28.75	PASS
Band41	20MHz	64QAM	39750	1RB#0	Range1:30~1000MHz	-47.32	PASS
Band41	20MHz	64QAM	39750	1RB#0	Range2:1000~26500MHz	-29.25	PASS
Band41	20MHz	64QAM	40620	1RB#0	Range1:30~1000MHz	-46.99	PASS
Band41	20MHz	64QAM	40620	1RB#0	Range2:1000~26500MHz	-29	PASS
Band41	20MHz	64QAM	41490	1RB#0	Range1:30~1000MHz	-46.66	PASS
Band41	20MHz	64QAM	41490	1RB#0	Range2:1000~26500MHz	-29.16	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range1:30~1000MHz	-47.25	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range2:1000~20000MHz	-34.73	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-46.95	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-34.41	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range1:30~1000MHz	-46.88	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range2:1000~20000MHz	-33.82	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range1:30~1000MHz	-46.42	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range2:1000~20000MHz	-34.9	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-47.16	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-34.39	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range1:30~1000MHz	-46.21	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range2:1000~20000MHz	-34.99	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	Range1:30~1000MHz	-45.2	PASS
Band66	1.4MHz	64QAM	131979	1RB#0	Range2:1000~20000MHz	-34.73	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	Range1:30~1000MHz	-47.06	PASS
Band66	1.4MHz	64QAM	132322	1RB#0	Range2:1000~20000MHz	-34	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	Range1:30~1000MHz	-47.44	PASS
Band66	1.4MHz	64QAM	132665	1RB#0	Range2:1000~20000MHz	-35.3	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range1:30~1000MHz	-46.73	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range2:1000~20000MHz	-33.64	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-46.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-33.48	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range1:30~1000MHz	-46.97	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range2:1000~20000MHz	-35.17	PASS

Band66	20MHz	16QAM	132072	1RB#0	Range1:30~1000MHz	-47.15	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range2:1000~20000MHz	-33.48	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-46.79	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-34.89	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range1:30~1000MHz	-46.59	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range2:1000~20000MHz	-34.84	PASS
Band66	20MHz	64QAM	132072	1RB#0	Range1:30~1000MHz	-46.98	PASS
Band66	20MHz	64QAM	132072	1RB#0	Range2:1000~20000MHz	-34.5	PASS
Band66	20MHz	64QAM	132322	1RB#0	Range1:30~1000MHz	-47.13	PASS
Band66	20MHz	64QAM	132322	1RB#0	Range2:1000~20000MHz	-34.21	PASS
Band66	20MHz	64QAM	132572	1RB#0	Range1:30~1000MHz	-45.13	PASS
Band66	20MHz	64QAM	132572	1RB#0	Range2:1000~20000MHz	-34.97	PASS

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

Test Graphs

































