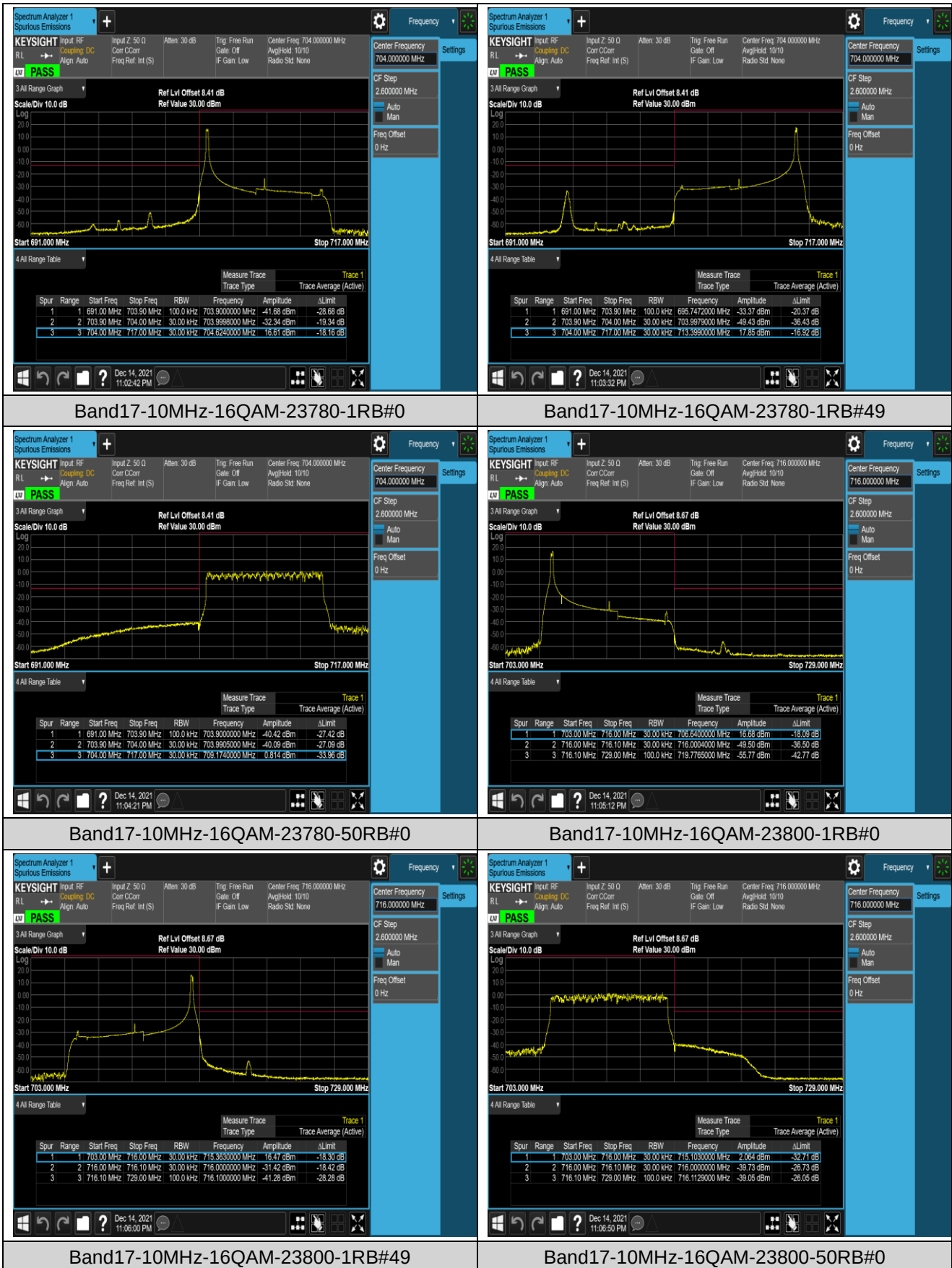




Appendix E: Conducted Spurious Emission

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	-39.14	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-38.59	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.44	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.57	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-38.38	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-37.6	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-38.14	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-38.05	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.45	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-38.24	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-36.67	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-38.33	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-38.16	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-38.95	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.09	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.42	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-37.89	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-37.84	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-36.89	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-38.41	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-37.72	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-38.38	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-37.95	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-39.02	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-36.77	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-38.92	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-37.17	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-39.16	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-36.82	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-38.42	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-37.32	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-38.57	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-37.81	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-38.07	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-37.56	PASS

Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-37.92	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-37.41	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-38.58	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-37.95	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-37.82	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-38.35	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-38.95	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-37.09	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-38.82	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.36	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-38.81	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-37.68	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-38.7	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-45.91	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-35.2	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-47.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-35.46	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-47.64	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-35.83	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-47.78	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-36.53	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-47.15	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-36.52	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-46.97	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-37.67	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-45.94	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-36.92	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.93	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-38.96	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-48.1	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-36.36	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-47	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-35.68	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-46.86	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-38.9	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-45.63	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-36.65	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-47.68	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-35.65	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.24	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-35.52	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-47.83	PASS

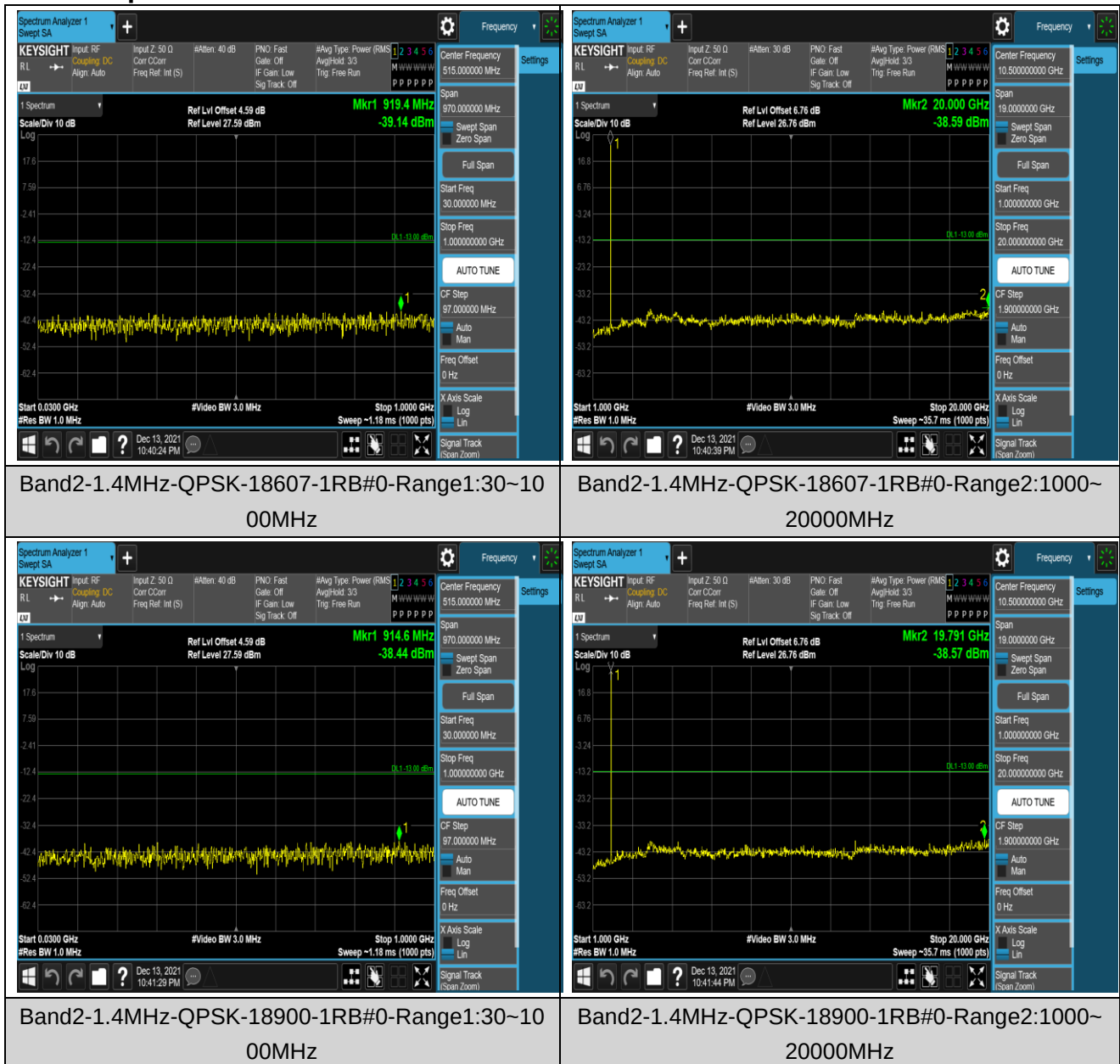
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-36.32	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-47.86	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~27000MHz	-36.3	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.69	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.98	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-47.74	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-35.81	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-47.81	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000MHz	-35.13	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.79	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-35.72	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-47.59	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-36.12	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-47	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~27000MHz	-35.4	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.19	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.04	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-48.35	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~27000MHz	-35.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-46.51	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-25.39	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-46.73	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-28.46	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-46.02	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-27.15	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-46.99	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-27.48	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-46.82	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-25.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-47.06	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-29.98	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-46.54	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-30	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-47.4	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-29.89	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-47.05	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-26.21	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-46.17	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-27.37	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-46.51	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-32.11	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-47.04	PASS

Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-28.23	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-47.78	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:1000~10000MHz	-39.08	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:1559~1610MHz	-60.88	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-47.11	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-38.61	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:1559~1610MHz	-53.89	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-46.67	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:1000~10000MHz	-38.62	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:1559~1610MHz	-53.89	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-46.64	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:1000~10000MHz	-38.33	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:1559~1610MHz	-60.74	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-46.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-38.31	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:1559~1610MHz	-54.85	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-47	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:1000~10000MHz	-38.19	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:1559~1610MHz	-54.29	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-45.45	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-38.78	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:1559~1610MHz	-60.54	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-46.32	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-39.17	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:1559~1610MHz	-60.64	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-45.76	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-27.39	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-47.04	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-28.94	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-46.42	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-30.65	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-47.35	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-31.66	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-46.53	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-31.35	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-47.34	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-32.96	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-46.01	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-28.72	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-46.9	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-30.07	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-45.85	PASS

Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-30.74	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-46.49	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-26.99	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-46.8	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-27.84	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-46.61	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-29.35	PASS

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

Test Graphs





Band2-1.4MHz-QPSK-19193-1RB#0-Range1:30~1000MHz

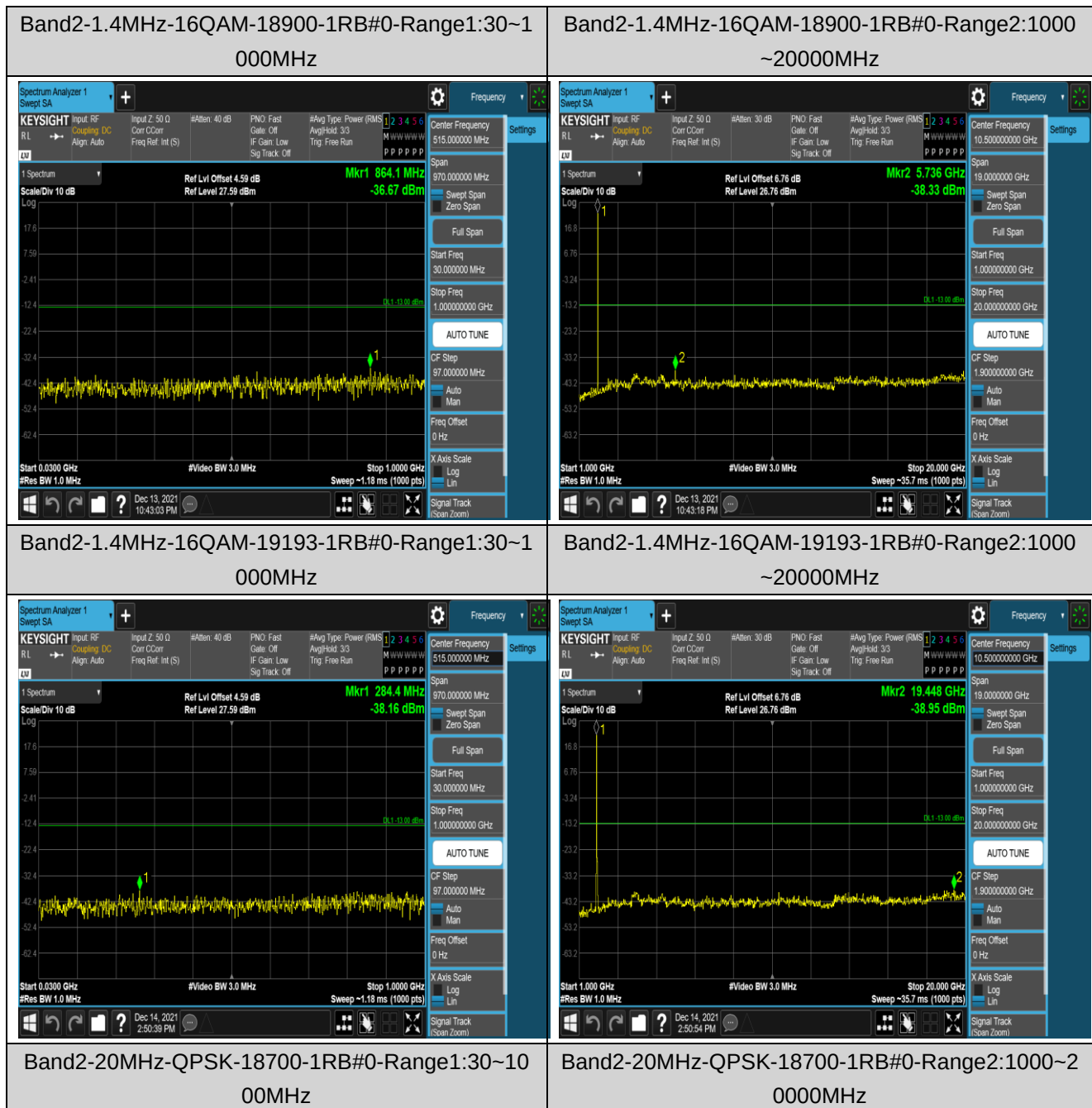
Band2-1.4MHz-QPSK-19193-1RB#0-Range2:1000~20000MHz



Band2-1.4MHz-16QAM-18607-1RB#0-Range1:30~1000MHz

Band2-1.4MHz-16QAM-18607-1RB#0-Range2:1000~20000MHz







Band2-20MHz-QPSK-18900-1RB#0-Range1:30~10 00MHz

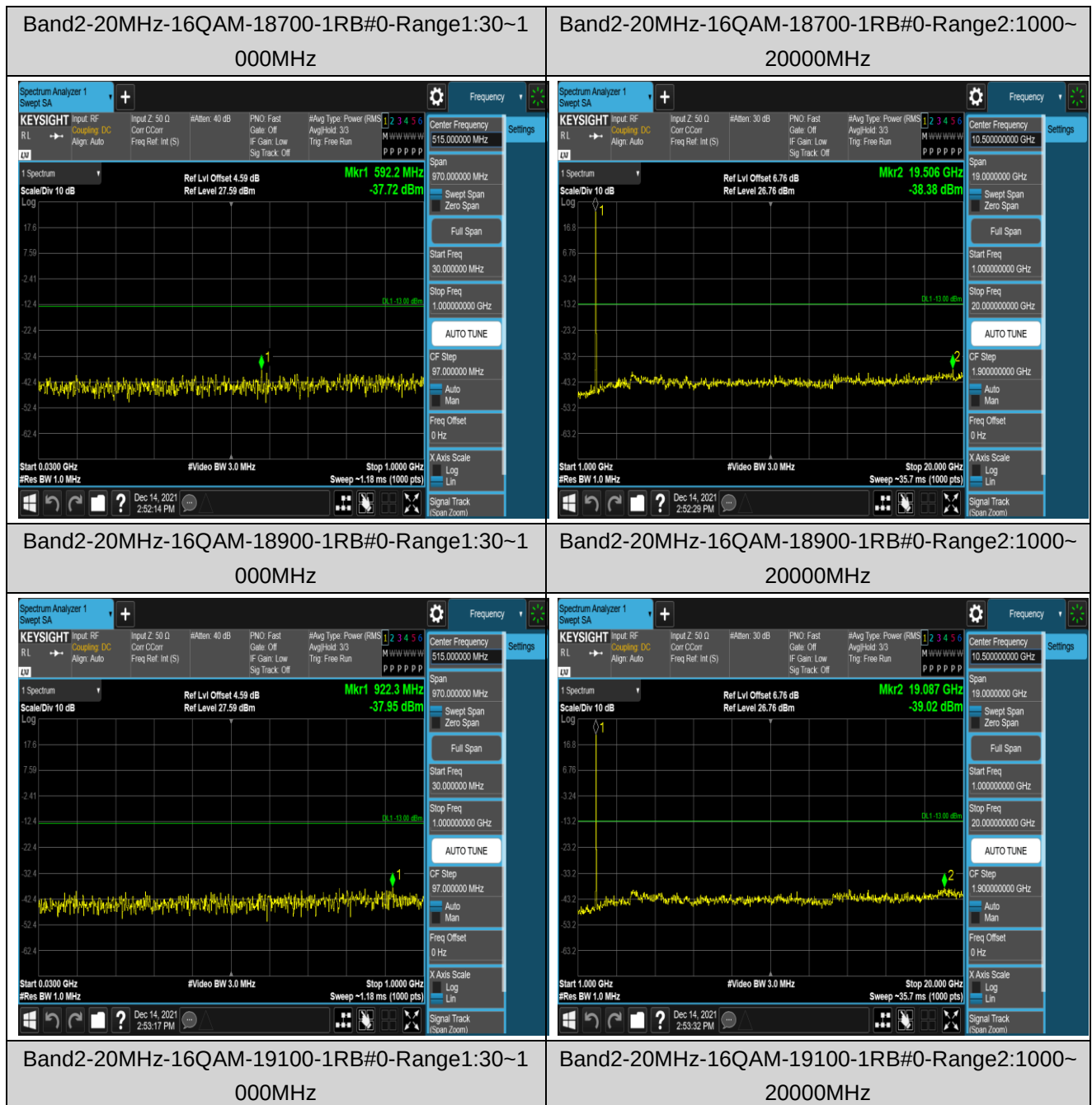
Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~2 0000MHz



Band2-20MHz-QPSK-19100-1RB#0-Range1:30~10 00MHz

Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~2 0000MHz







Band4-1.4MHz-QPSK-19957-1RB#0-Range1:30~1000MHz

Band4-1.4MHz-QPSK-19957-1RB#0-Range2:1000~20000MHz



Band4-1.4MHz-QPSK-20175-1RB#0-Range1:30~1000MHz

Band4-1.4MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz

