

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	-46.67	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-34.6	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-46	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-34.51	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-45.88	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-34.67	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-46.15	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-34.97	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-47.12	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-34.4	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-46.54	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-34.47	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	Range1:30~1000MHz	-46.75	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	Range2:1000~20000MHz	-34.25	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	Range1:30~1000MHz	-46.63	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	Range2:1000~20000MHz	-34.56	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	Range1:30~1000MHz	-46.43	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	Range2:1000~20000MHz	-33.77	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-45.49	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-35.45	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-46.32	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-34.43	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-46.08	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-34.53	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-46.78	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-33.5	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-46.91	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-34.9	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-45.65	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-33.25	PASS
Band2	20MHz	64QAM	18700	1RB#0	Range1:30~1000MHz	-44.89	PASS
Band2	20MHz	64QAM	18700	1RB#0	Range2:1000~20000MHz	-35.29	PASS
Band2	20MHz	64QAM	18900	1RB#0	Range1:30~1000MHz	-46.31	PASS
Band2	20MHz	64QAM	18900	1RB#0	Range2:1000~20000MHz	-34.63	PASS
Band2	20MHz	64QAM	19100	1RB#0	Range1:30~1000MHz	-46.16	PASS
Band2	20MHz	64QAM	19100	1RB#0	Range2:1000~20000MHz	-34.97	PASS

Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-46.57	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-33.26	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-46.78	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-34.16	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-47.04	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-34.43	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-44.92	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-33.63	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-46.44	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-33.91	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-46.25	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-33.74	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	Range1:30~1000MHz	-45.39	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	Range2:1000~20000MHz	-34.5	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	Range1:30~1000MHz	-46.79	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	Range2:1000~20000MHz	-34.06	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	Range1:30~1000MHz	-46.83	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	Range2:1000~20000MHz	-34.86	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-45.83	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-34.35	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-46.34	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-34.39	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-46.2	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-33.25	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-46.28	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-34.96	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-46.59	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-34.91	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-46.73	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-34.1	PASS
Band4	20MHz	64QAM	20050	1RB#0	Range1:30~1000MHz	-44.55	PASS
Band4	20MHz	64QAM	20050	1RB#0	Range2:1000~20000MHz	-34.1	PASS
Band4	20MHz	64QAM	20175	1RB#0	Range1:30~1000MHz	-46.57	PASS
Band4	20MHz	64QAM	20175	1RB#0	Range2:1000~20000MHz	-34.89	PASS
Band4	20MHz	64QAM	20300	1RB#0	Range1:30~1000MHz	-46.46	PASS
Band4	20MHz	64QAM	20300	1RB#0	Range2:1000~20000MHz	-34.95	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-44.69	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-36.11	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-44.73	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-36.76	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-45.15	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-34.54	PASS

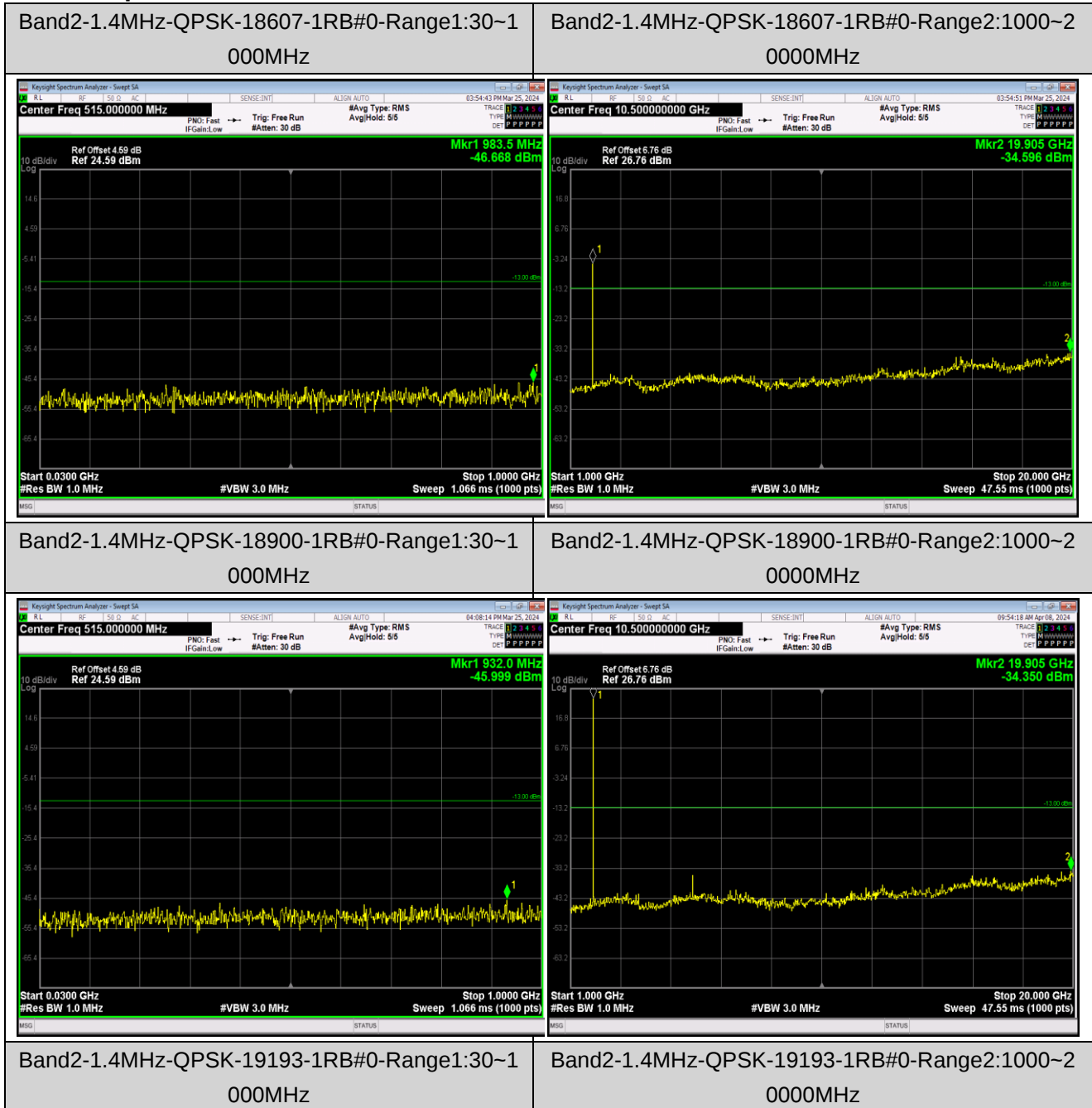
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-45.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-40.36	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.97	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-37.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-45.74	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-40.46	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range1:30~1000MHz	-45.11	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	Range2:1000~10000MHz	-40.29	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range1:30~1000MHz	-45.84	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	Range2:1000~10000MHz	-39.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range1:30~1000MHz	-45.67	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	Range2:1000~10000MHz	-38.51	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-45.96	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-40.06	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.32	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-37.72	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-45.49	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-36.12	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-45.81	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-40.7	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.67	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-37.93	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-46.17	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-37.66	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range1:30~1000MHz	-45.62	PASS
Band5	10MHz	64QAM	20450	1RB#0	Range2:1000~10000MHz	-38.49	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range1:30~1000MHz	-45.63	PASS
Band5	10MHz	64QAM	20525	1RB#0	Range2:1000~10000MHz	-40.15	PASS
Band5	10MHz	64QAM	20600	1RB#0	Range1:30~1000MHz	-45	PASS
Band5	10MHz	64QAM	20600	1RB#0	Range2:1000~10000MHz	-40.64	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-47	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~26500MHz	-30.08	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-45.76	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-29.93	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-46.14	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~26500MHz	-29.51	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-46.18	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~26500MHz	-29.8	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-46.46	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-29.17	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-46.31	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~26500MHz	-28.9	PASS

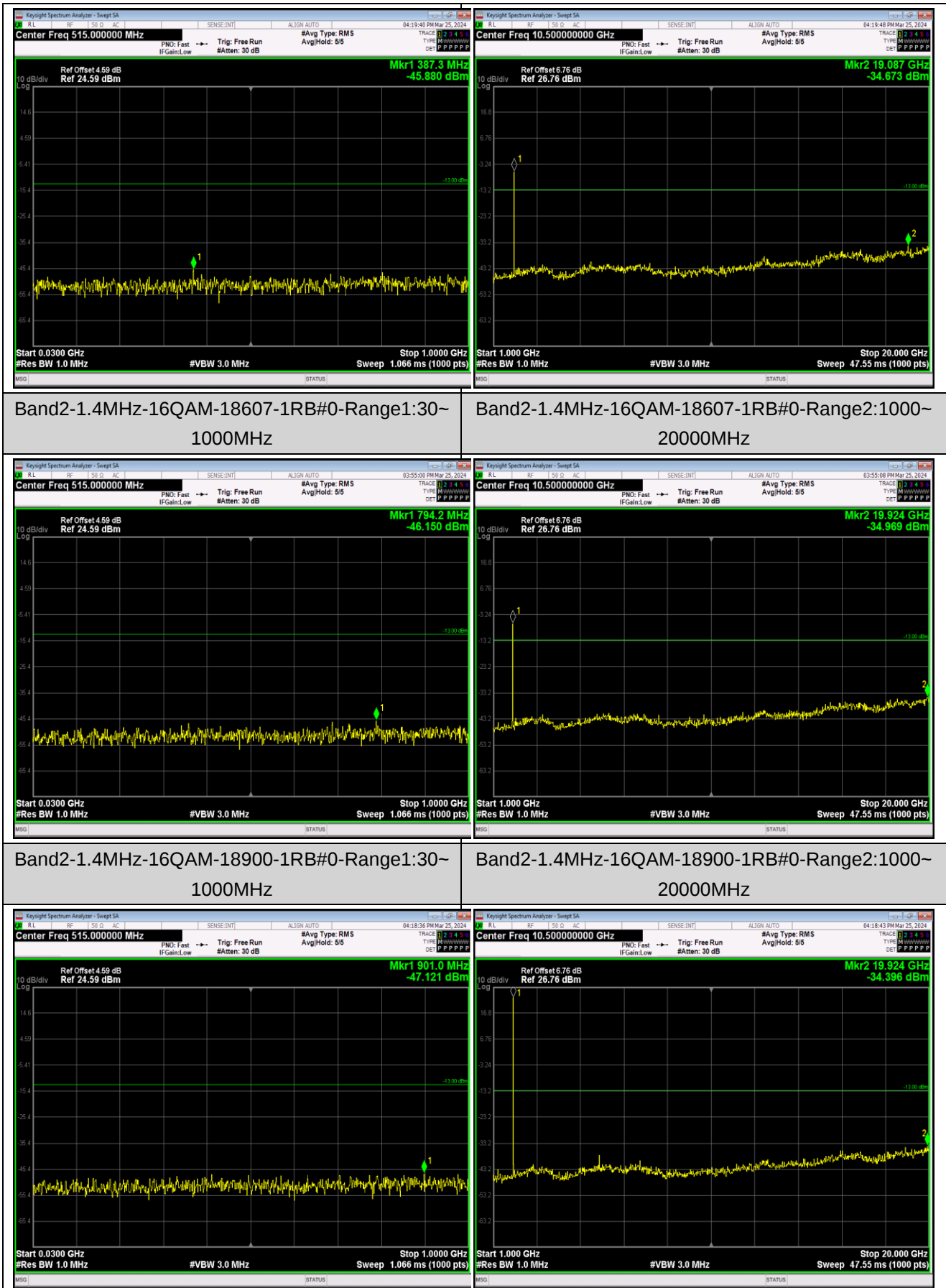
Band7	5MHz	64QAM	20775	1RB#0	Range1:30~1000MHz	-46.72	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range2:1000~26500MHz	-29.49	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-44.91	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range2:1000~26500MHz	-29.01	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range1:30~1000MHz	-46.6	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range2:1000~26500MHz	-28.57	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-46.58	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~26500MHz	-29.74	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-46.75	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-29.25	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-47.21	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~26500MHz	-29.49	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-46.95	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~26500MHz	-29.04	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.09	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-29.98	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-46.55	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~26500MHz	-29.51	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range1:30~1000MHz	-46.83	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range2:1000~26500MHz	-30.36	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range1:30~1000MHz	-46.73	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range2:1000~26500MHz	-29.47	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range1:30~1000MHz	-46.72	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range2:1000~26500MHz	-30.34	PASS
Band41	5MHz	QPSK	40065	1RB#0	Range1:30~1000MHz	-46.06	PASS
Band41	5MHz	QPSK	40065	1RB#0	Range2:1000~26500MHz	-29.36	PASS
Band41	5MHz	QPSK	40640	1RB#0	Range1:30~1000MHz	-47.15	PASS
Band41	5MHz	QPSK	40640	1RB#0	Range2:1000~26500MHz	-29.76	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range1:30~1000MHz	-46.55	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range2:1000~26500MHz	-29.43	PASS
Band41	5MHz	16QAM	40065	1RB#0	Range1:30~1000MHz	-46.64	PASS
Band41	5MHz	16QAM	40065	1RB#0	Range2:1000~26500MHz	-28.95	PASS
Band41	5MHz	16QAM	40640	1RB#0	Range1:30~1000MHz	-46.84	PASS
Band41	5MHz	16QAM	40640	1RB#0	Range2:1000~26500MHz	-29.31	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range1:30~1000MHz	-46.61	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range2:1000~26500MHz	-29.61	PASS
Band41	5MHz	64QAM	40065	1RB#0	Range1:30~1000MHz	-46.89	PASS
Band41	5MHz	64QAM	40065	1RB#0	Range2:1000~26500MHz	-28.94	PASS
Band41	5MHz	64QAM	40640	1RB#0	Range1:30~1000MHz	-46.1	PASS
Band41	5MHz	64QAM	40640	1RB#0	Range2:1000~26500MHz	-29.87	PASS
Band41	5MHz	64QAM	41215	1RB#0	Range1:30~1000MHz	-46.9	PASS
Band41	5MHz	64QAM	41215	1RB#0	Range2:1000~26500MHz	-29.53	PASS

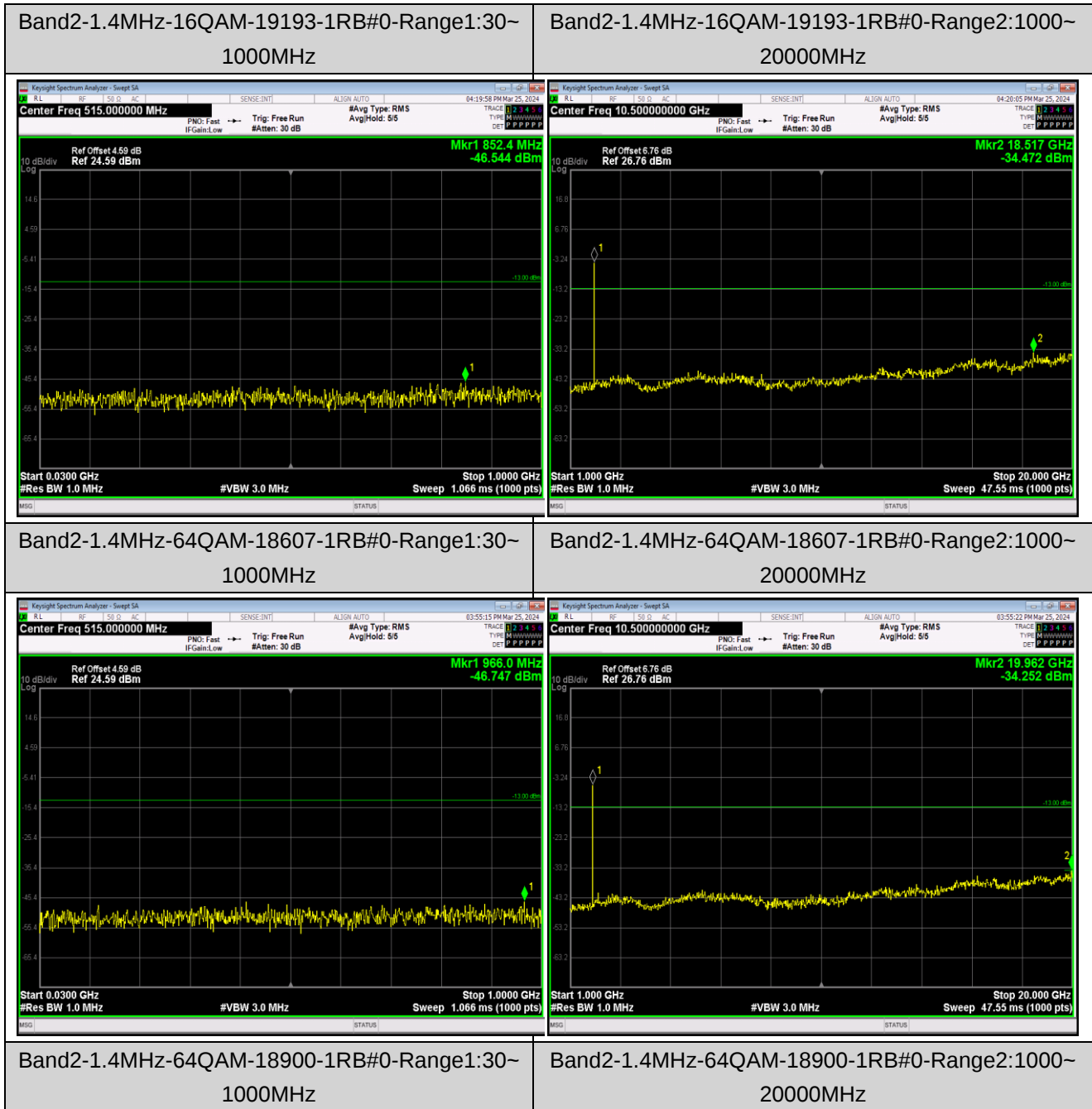
Band41	20MHz	QPSK	40140	1RB#0	Range1:30~1000MHz	-46.5	PASS
Band41	20MHz	QPSK	40140	1RB#0	Range2:1000~26500MHz	-29.5	PASS
Band41	20MHz	QPSK	40640	1RB#0	Range1:30~1000MHz	-46.67	PASS
Band41	20MHz	QPSK	40640	1RB#0	Range2:1000~26500MHz	-29.33	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range1:30~1000MHz	-45.78	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range2:1000~26500MHz	-29.99	PASS
Band41	20MHz	16QAM	40140	1RB#0	Range1:30~1000MHz	-46.43	PASS
Band41	20MHz	16QAM	40140	1RB#0	Range2:1000~26500MHz	-28.78	PASS
Band41	20MHz	16QAM	40640	1RB#0	Range1:30~1000MHz	-46.72	PASS
Band41	20MHz	16QAM	40640	1RB#0	Range2:1000~26500MHz	-29.8	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range1:30~1000MHz	-46.42	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range2:1000~26500MHz	-29.07	PASS
Band41	20MHz	64QAM	40140	1RB#0	Range1:30~1000MHz	-46.4	PASS
Band41	20MHz	64QAM	40140	1RB#0	Range2:1000~26500MHz	-29.74	PASS
Band41	20MHz	64QAM	40640	1RB#0	Range1:30~1000MHz	-47.09	PASS
Band41	20MHz	64QAM	40640	1RB#0	Range2:1000~26500MHz	-28.86	PASS
Band41	20MHz	64QAM	41140	1RB#0	Range1:30~1000MHz	-46.78	PASS
Band41	20MHz	64QAM	41140	1RB#0	Range2:1000~26500MHz	-29.08	PASS

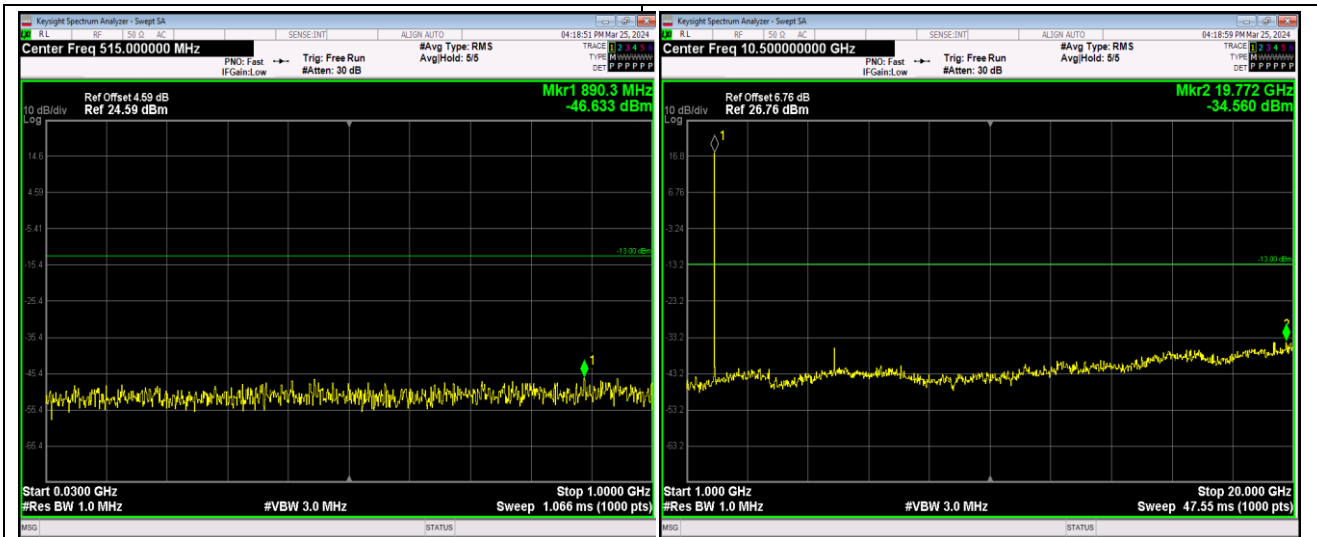
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs



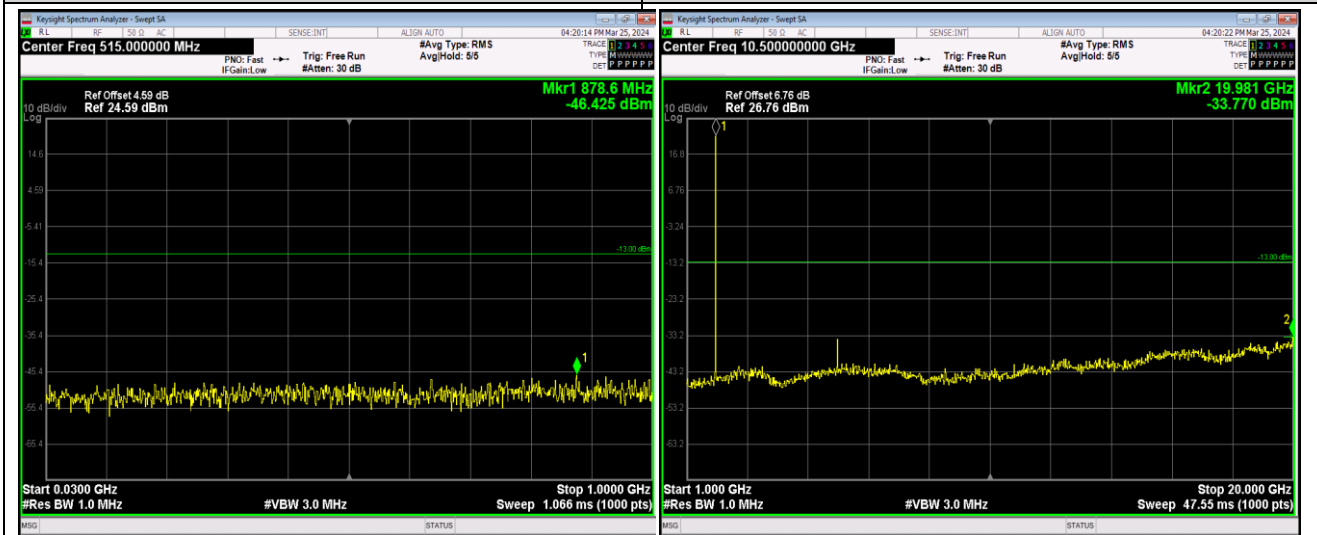






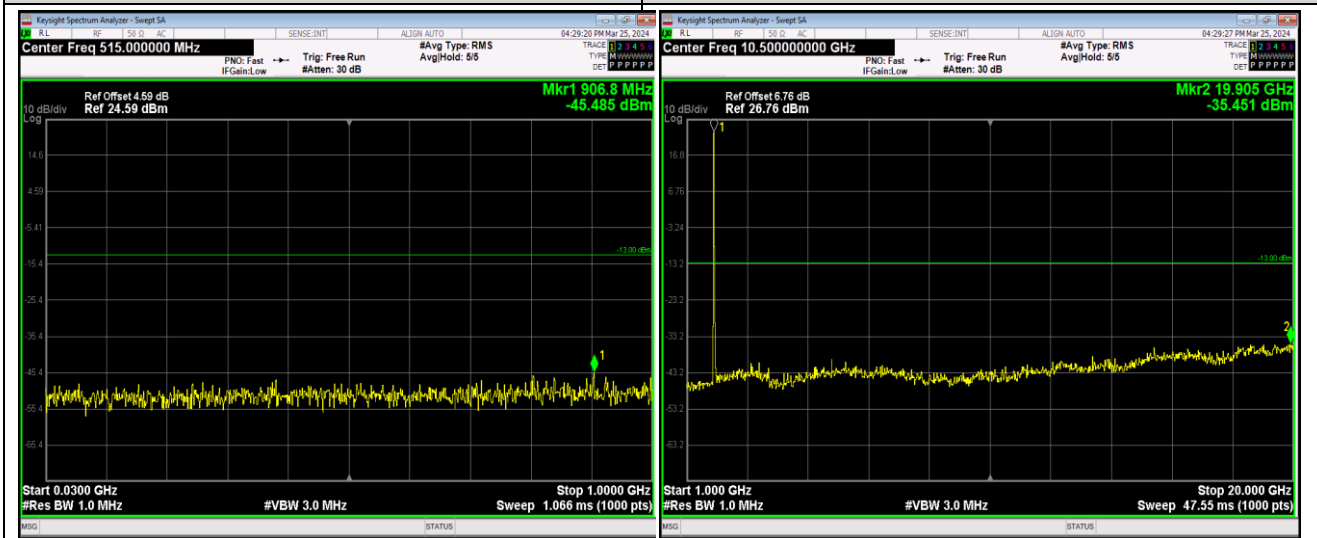
Band2-1.4MHz-64QAM-19193-1RB#0-Range1:30~1000MHz

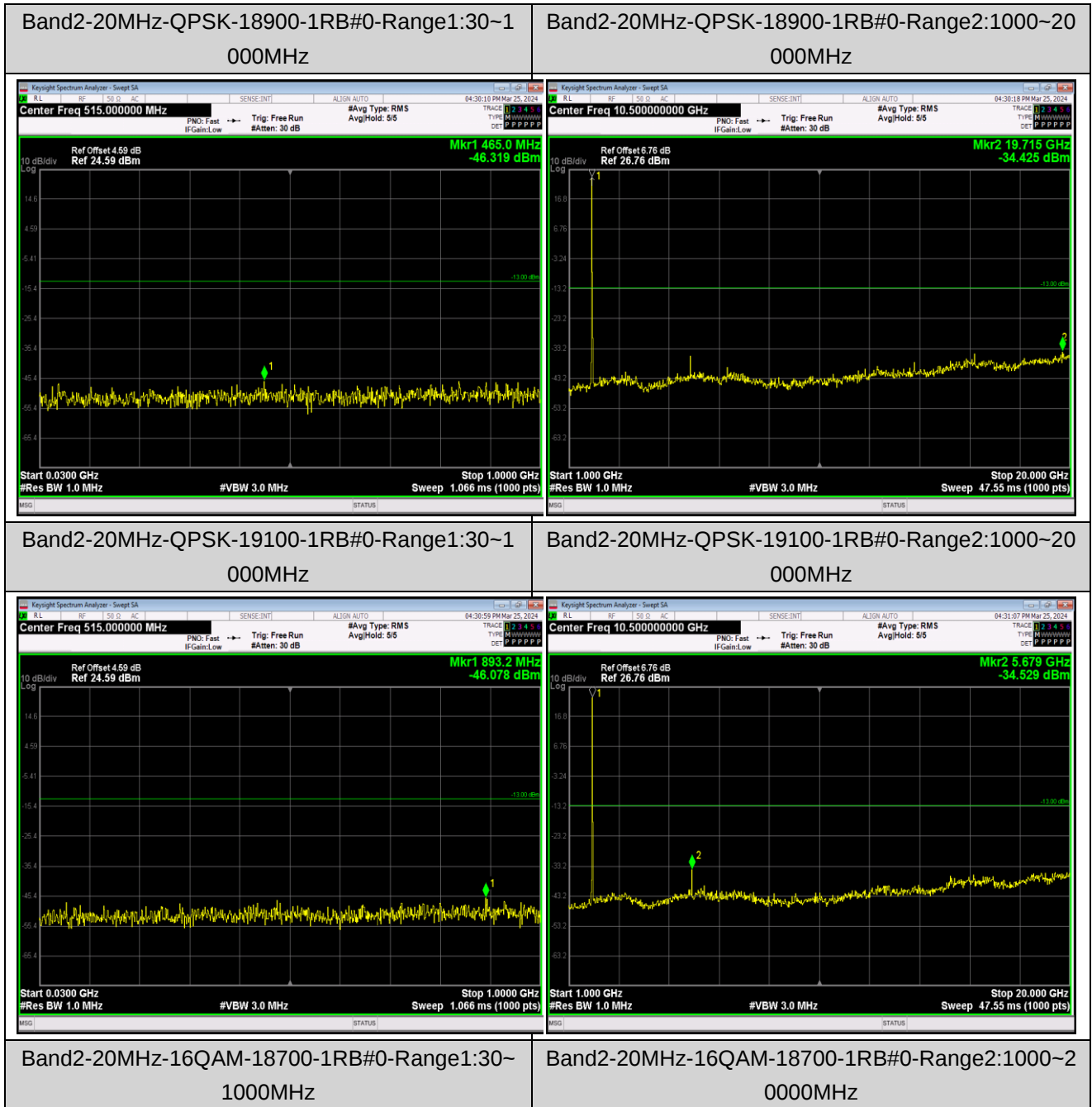
Band2-1.4MHz-64QAM-19193-1RB#0-Range2:1000~20000MHz

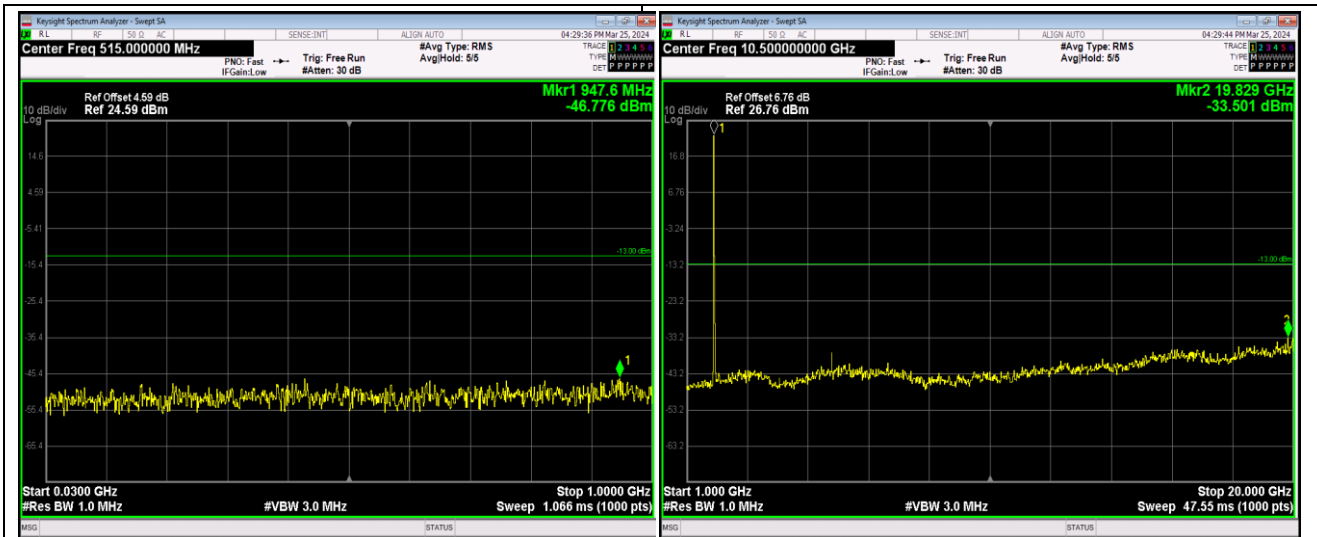


Band2-20MHz-QPSK-18700-1RB#0-Range1:30~1000MHz

Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz

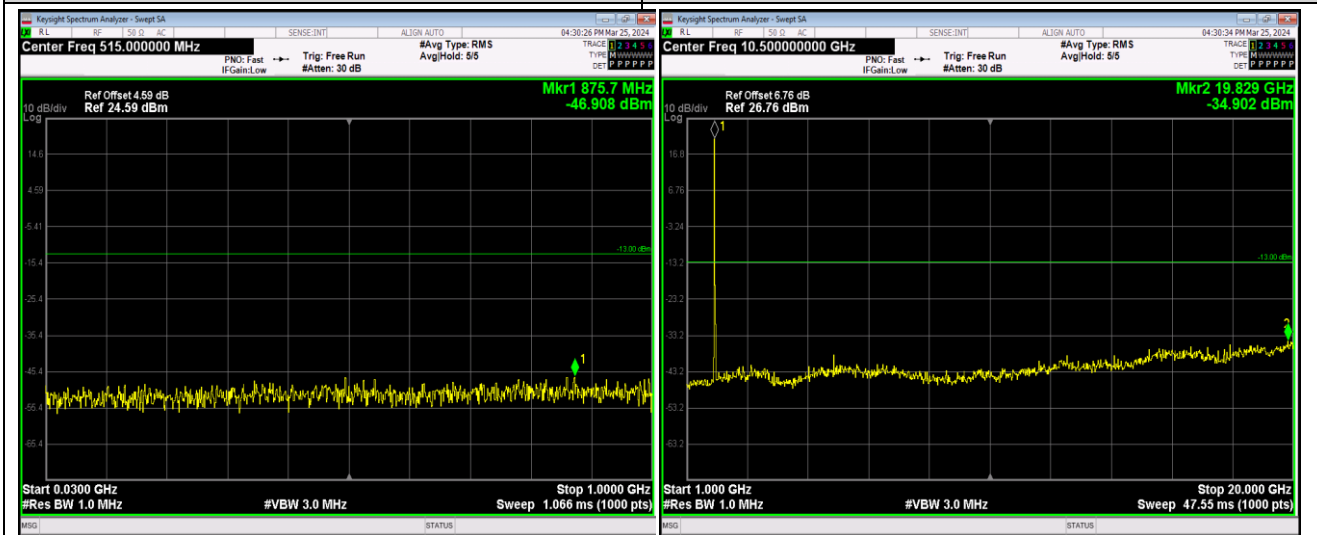






Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz

Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz

