

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	30~1000MHz	-38.51	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	1000~20000MHz	-37.55	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	30~1000MHz	-37.6	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	1000~20000MHz	-38.48	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	30~1000MHz	-39.64	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	1000~20000MHz	-38.33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	30~1000MHz	-38.23	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	1000~20000MHz	-37.21	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	30~1000MHz	-38.7	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	1000~20000MHz	-38.67	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	30~1000MHz	-38.58	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	1000~20000MHz	-38.66	PASS
Band2	20MHz	QPSK	18700	1RB#0	30~1000MHz	-38.99	PASS
Band2	20MHz	QPSK	18700	1RB#0	1000~20000MHz	-38.57	PASS
Band2	20MHz	QPSK	18900	1RB#0	30~1000MHz	-39.65	PASS
Band2	20MHz	QPSK	18900	1RB#0	1000~20000MHz	-39.09	PASS
Band2	20MHz	QPSK	19100	1RB#0	30~1000MHz	-38.94	PASS
Band2	20MHz	QPSK	19100	1RB#0	1000~20000MHz	-38.87	PASS
Band2	20MHz	16QAM	18700	1RB#0	30~1000MHz	-40.28	PASS
Band2	20MHz	16QAM	18700	1RB#0	1000~20000MHz	-38.43	PASS
Band2	20MHz	16QAM	18900	1RB#0	30~1000MHz	-37.58	PASS
Band2	20MHz	16QAM	18900	1RB#0	1000~20000MHz	-38.78	PASS
Band2	20MHz	16QAM	19100	1RB#0	30~1000MHz	-39.7	PASS
Band2	20MHz	16QAM	19100	1RB#0	1000~20000MHz	-38.61	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000MHz	-39.95	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~20000MHz	-38.57	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000MHz	-38.8	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~20000MHz	-37.18	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000MHz	-38.82	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~20000MHz	-37.89	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000MHz	-38.71	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~20000MHz	-38.86	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000MHz	-38.59	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~20000MHz	-37.8	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000MHz	-38.84	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~20000MHz	-38.15	PASS

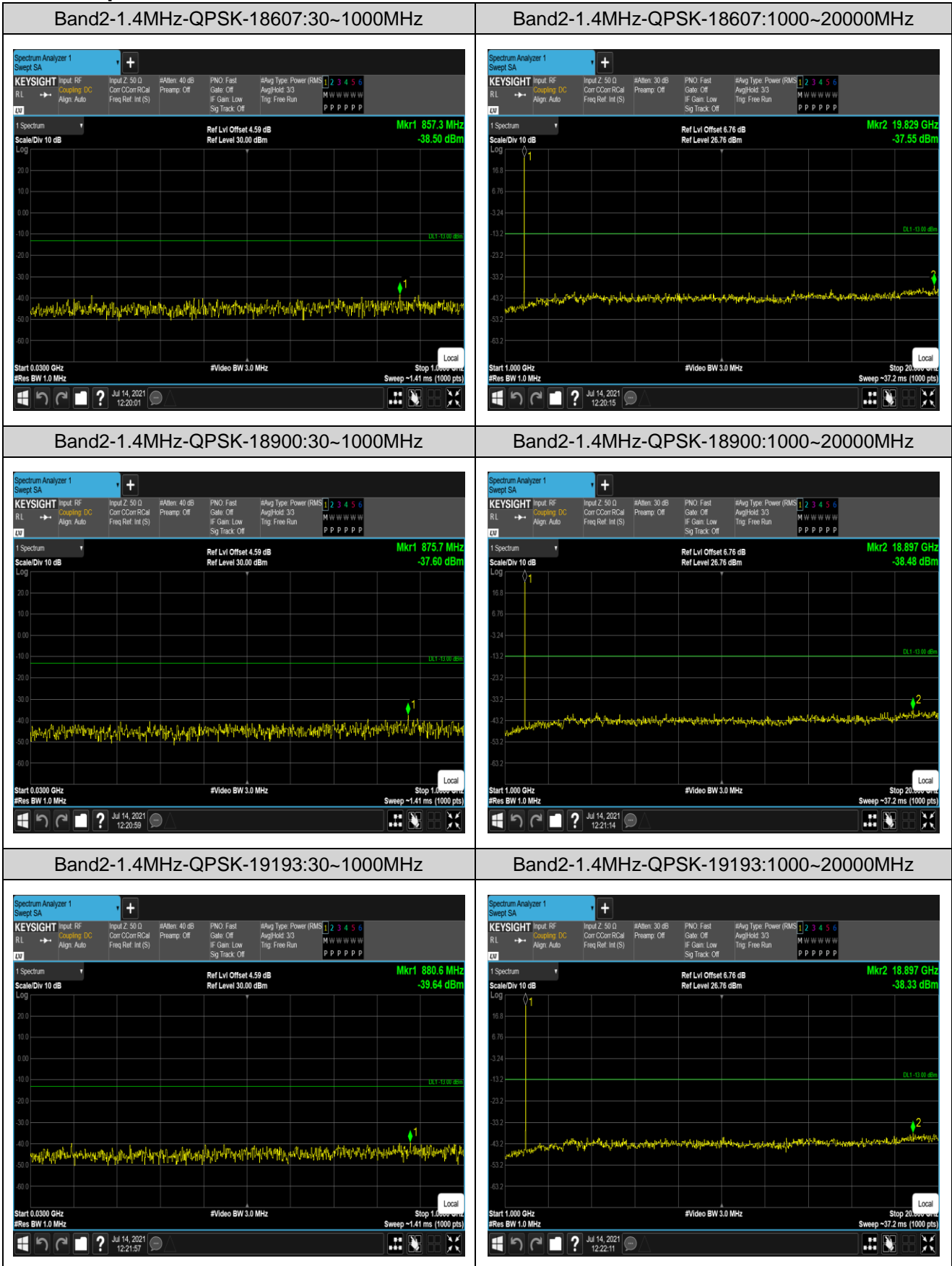
Band4	20MHz	QPSK	20050	1RB#0	30~1000MHz	-39.18	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~20000MHz	-38.15	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000MHz	-39.84	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~20000MHz	-38.74	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000MHz	-39.12	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~20000MHz	-37.93	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000MHz	-39.31	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~20000MHz	-37.79	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000MHz	-38.56	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~20000MHz	-38.66	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000MHz	-39.38	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~20000MHz	-37.64	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000MHz	-48.65	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~10000MHz	-39.51	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000MHz	-49.07	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~10000MHz	-39.3	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000MHz	-48.92	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~10000MHz	-39.16	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000MHz	-47.54	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~10000MHz	-40.15	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000MHz	-48.87	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~10000MHz	-40.57	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000MHz	-48.98	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~10000MHz	-39.88	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000MHz	-48.44	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~10000MHz	-40.15	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000MHz	-48.68	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~10000MHz	-40.02	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000MHz	-49.7	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~10000MHz	-40.22	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000MHz	-48.51	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~10000MHz	-39.68	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000MHz	-49.03	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~10000MHz	-38.36	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000MHz	-48.68	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~10000MHz	-40.23	PASS
Band7	5MHz	QPSK	20775	1RB#0	30~1000MHz	-48.52	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~27000MHz	-35.75	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000MHz	-48.18	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~27000MHz	-35.38	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000MHz	-48.63	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~27000MHz	-34.7	PASS

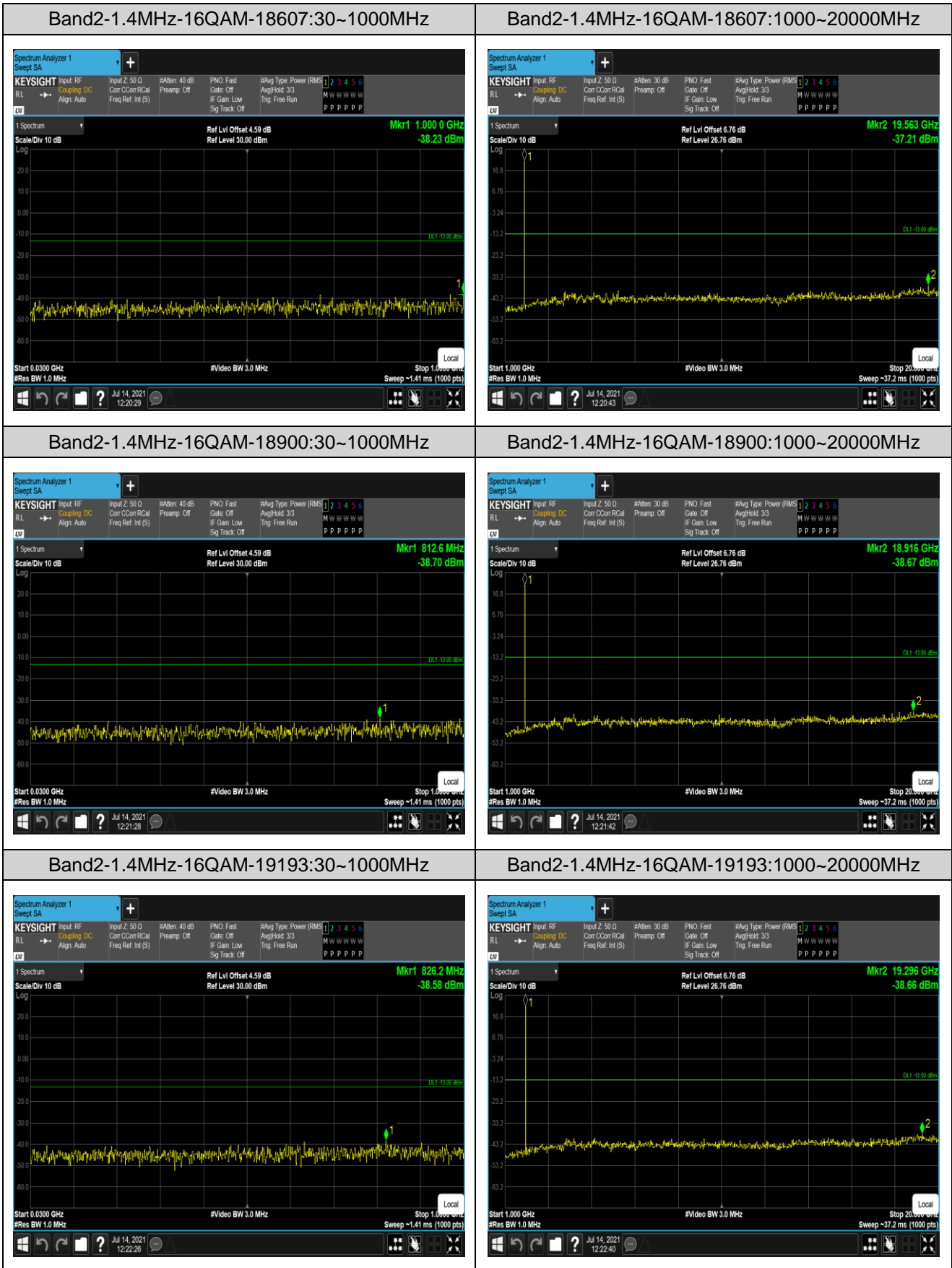
Band7	5MHz	16QAM	20775	1RB#0	30~1000MHz	-48.05	PASS
Band7	5MHz	16QAM	20775	1RB#0	1000~27000MHz	-34.61	PASS
Band7	5MHz	16QAM	21100	1RB#0	30~1000MHz	-48.27	PASS
Band7	5MHz	16QAM	21100	1RB#0	1000~27000MHz	-35.66	PASS
Band7	5MHz	16QAM	21425	1RB#0	30~1000MHz	-48.37	PASS
Band7	5MHz	16QAM	21425	1RB#0	1000~27000MHz	-34.32	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000MHz	-48.82	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~27000MHz	-35.79	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000MHz	-48.15	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~27000MHz	-35.32	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~1000MHz	-48.56	PASS
Band7	20MHz	QPSK	21350	1RB#0	1000~27000MHz	-35.19	PASS
Band7	20MHz	16QAM	20850	1RB#0	30~1000MHz	-47.33	PASS
Band7	20MHz	16QAM	20850	1RB#0	1000~27000MHz	-34.14	PASS
Band7	20MHz	16QAM	21100	1RB#0	30~1000MHz	-49.15	PASS
Band7	20MHz	16QAM	21100	1RB#0	1000~27000MHz	-34.55	PASS
Band7	20MHz	16QAM	21350	1RB#0	30~1000MHz	-48.97	PASS
Band7	20MHz	16QAM	21350	1RB#0	1000~27000MHz	-34.79	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000MHz	-47.41	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~27000MHz	-34.2	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000MHz	-49.16	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~27000MHz	-34.58	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000MHz	-48.4	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~27000MHz	-34.78	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000MHz	-48.23	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~27000MHz	-34.46	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000MHz	-48.67	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~27000MHz	-34.51	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000MHz	-49.47	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~27000MHz	-34.85	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000MHz	-49.05	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~27000MHz	-34.71	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000MHz	-49.27	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~27000MHz	-35.49	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000MHz	-49.37	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~27000MHz	-35.37	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000MHz	-49.88	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~27000MHz	-35.53	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000MHz	-49.19	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~27000MHz	-35	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000MHz	-50.25	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~27000MHz	-35.17	PASS

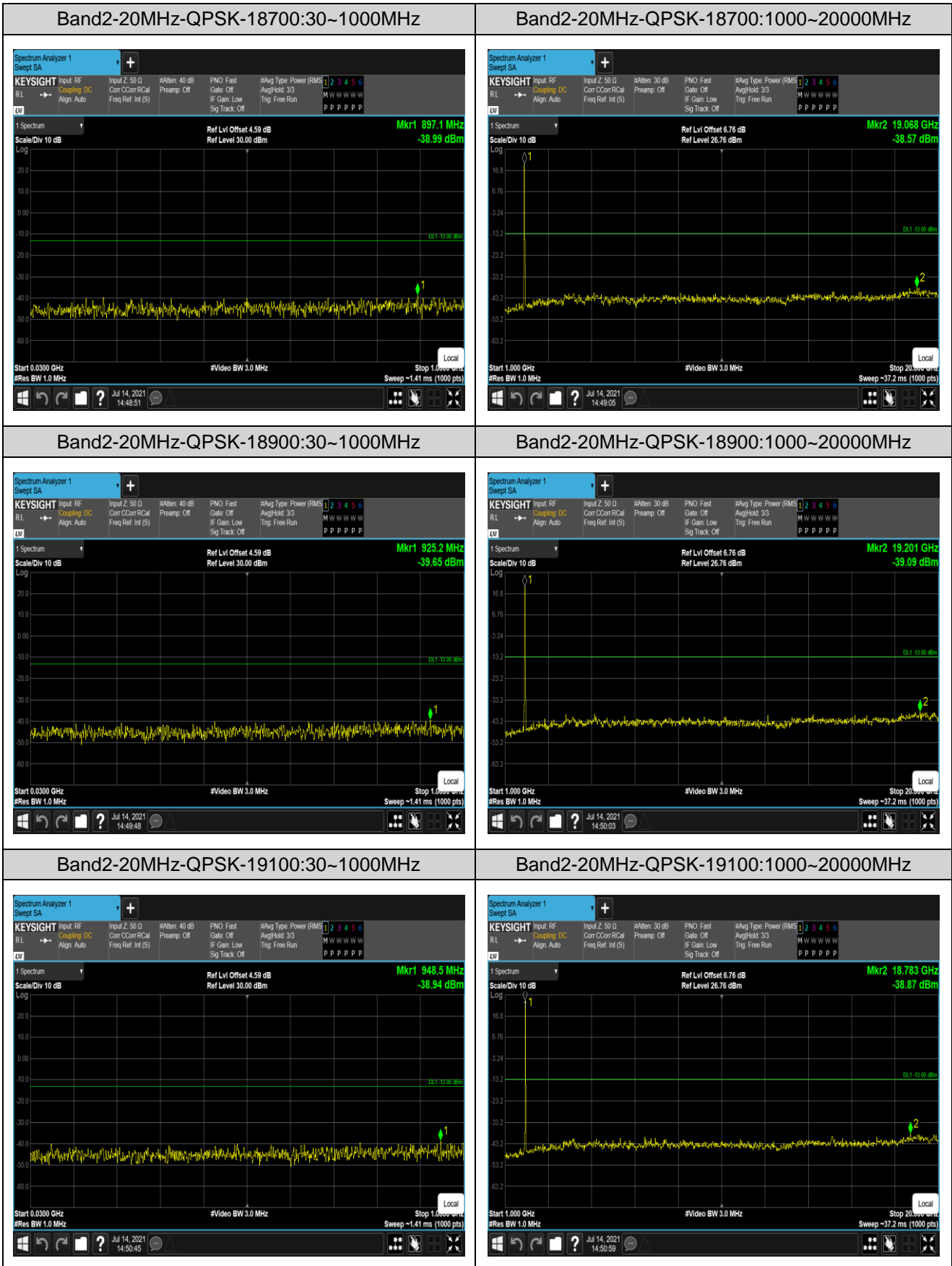
Band41	5MHz	QPSK	40065	1RB#0	30~1000MHz	-49.06	PASS
Band41	5MHz	QPSK	40065	1RB#0	1000~27000MHz	-35.44	PASS
Band41	5MHz	QPSK	40640	1RB#0	30~1000MHz	-48.57	PASS
Band41	5MHz	QPSK	40640	1RB#0	1000~27000MHz	-35.5	PASS
Band41	5MHz	QPSK	41215	1RB#0	30~1000MHz	-48.86	PASS
Band41	5MHz	QPSK	41215	1RB#0	1000~27000MHz	-35.2	PASS
Band41	5MHz	16QAM	40065	1RB#0	30~1000MHz	-48.37	PASS
Band41	5MHz	16QAM	40065	1RB#0	1000~27000MHz	-35.08	PASS
Band41	5MHz	16QAM	40640	1RB#0	30~1000MHz	-48.58	PASS
Band41	5MHz	16QAM	40640	1RB#0	1000~27000MHz	-35.18	PASS
Band41	5MHz	16QAM	41215	1RB#0	30~1000MHz	-49.7	PASS
Band41	5MHz	16QAM	41215	1RB#0	1000~27000MHz	-34.77	PASS
Band41	20MHz	QPSK	40140	1RB#0	30~1000MHz	-49.36	PASS
Band41	20MHz	QPSK	40140	1RB#0	1000~27000MHz	-34.51	PASS
Band41	20MHz	QPSK	40640	1RB#0	30~1000MHz	-49.37	PASS
Band41	20MHz	QPSK	40640	1RB#0	1000~27000MHz	-34.42	PASS
Band41	20MHz	QPSK	41140	1RB#0	30~1000MHz	-49.42	PASS
Band41	20MHz	QPSK	41140	1RB#0	1000~27000MHz	-34.41	PASS
Band41	20MHz	16QAM	40140	1RB#0	30~1000MHz	-48.79	PASS
Band41	20MHz	16QAM	40140	1RB#0	1000~27000MHz	-35.05	PASS
Band41	20MHz	16QAM	40640	1RB#0	30~1000MHz	-49.2	PASS
Band41	20MHz	16QAM	40640	1RB#0	1000~27000MHz	-34.37	PASS
Band41	20MHz	16QAM	41140	1RB#0	30~1000MHz	-49.37	PASS
Band41	20MHz	16QAM	41140	1RB#0	1000~27000MHz	-34.27	PASS

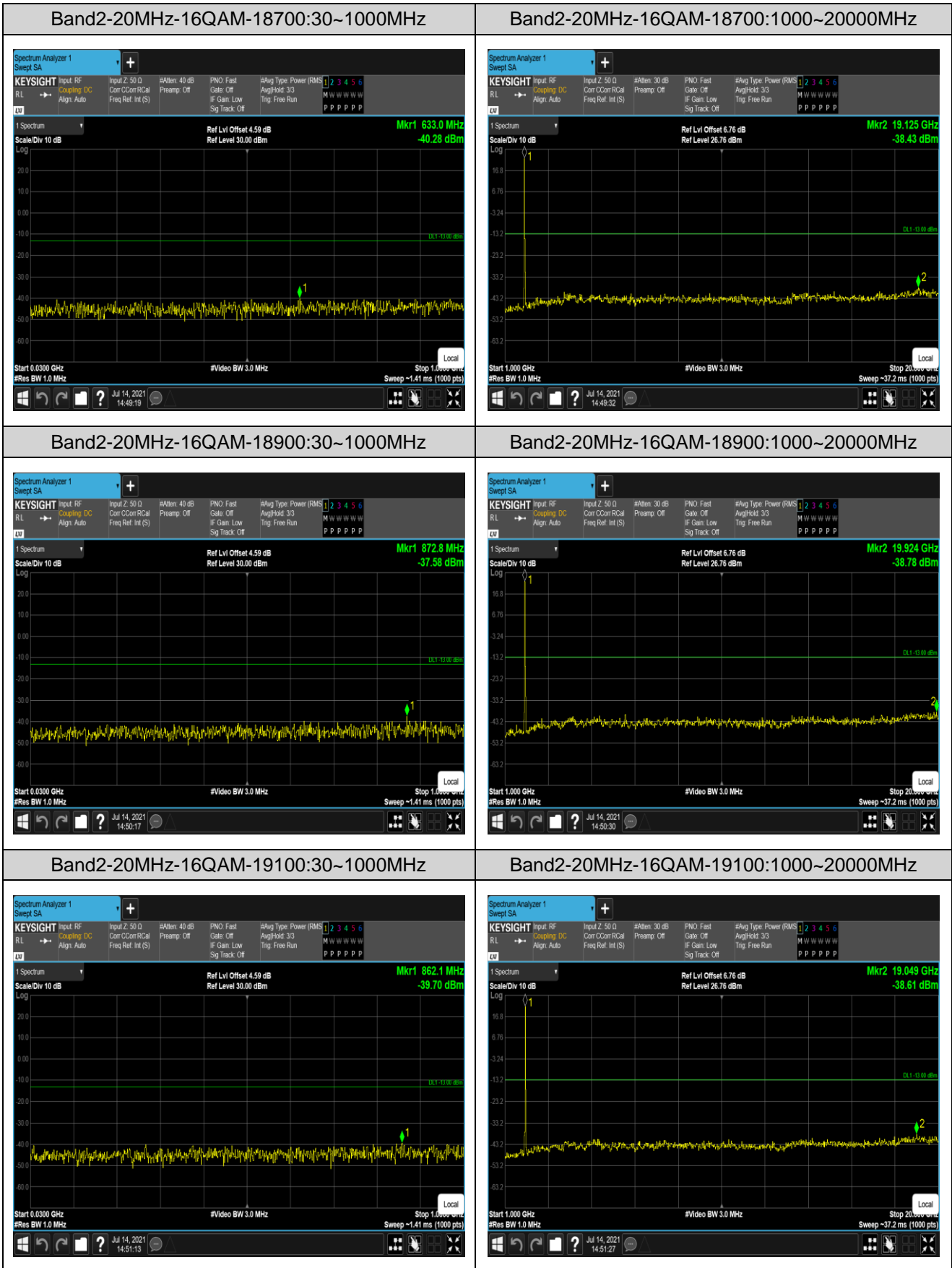
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

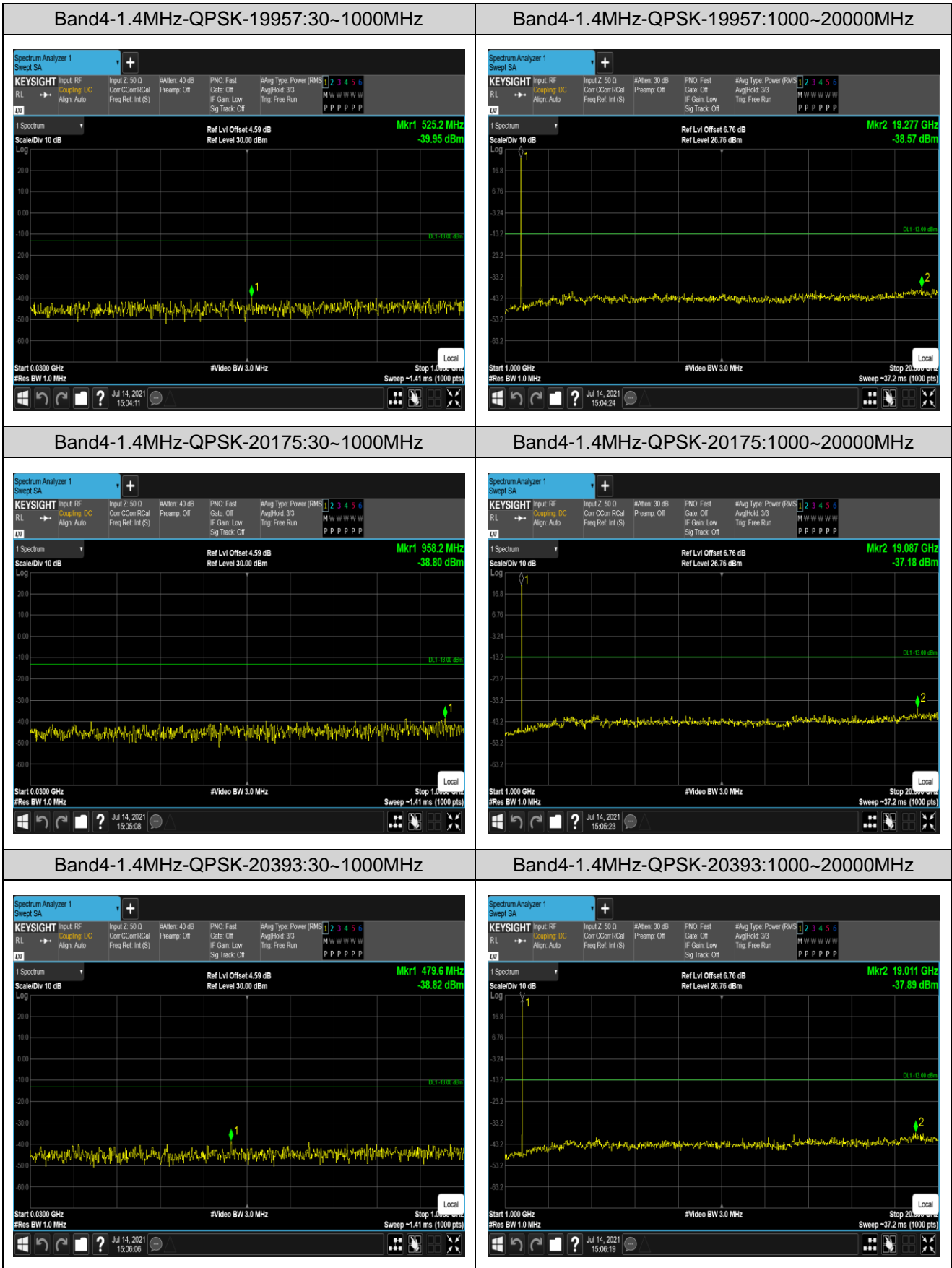
Test Graphs





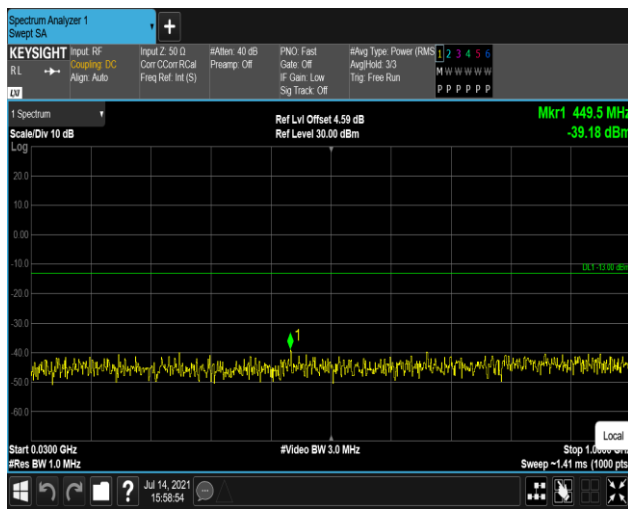




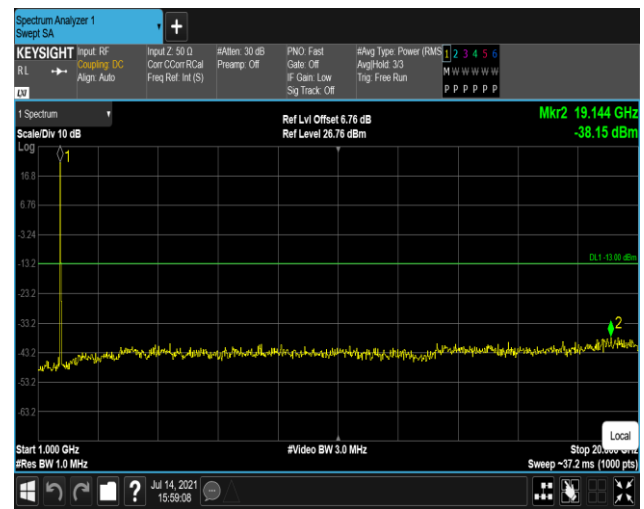




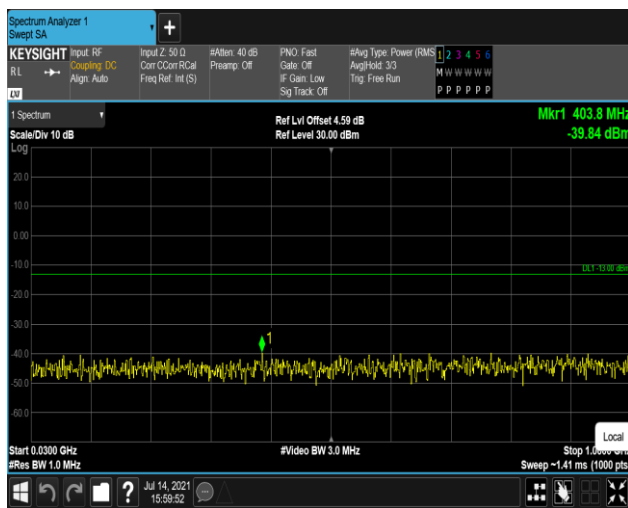
Band4-20MHz-QPSK-20050:30~1000MHz



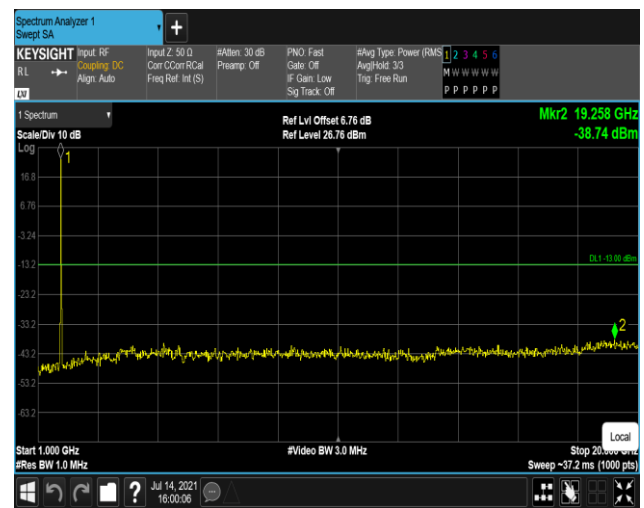
Band4-20MHz-QPSK-20050:1000~20000MHz



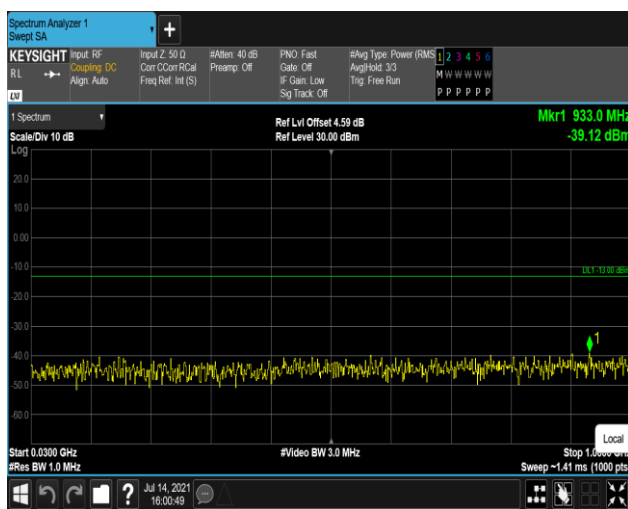
Band4-20MHz-QPSK-20175:30~1000MHz



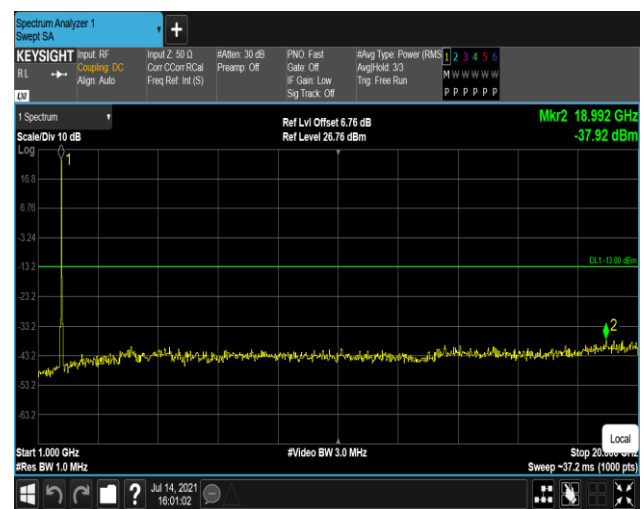
Band4-20MHz-QPSK-20175:1000~20000MHz

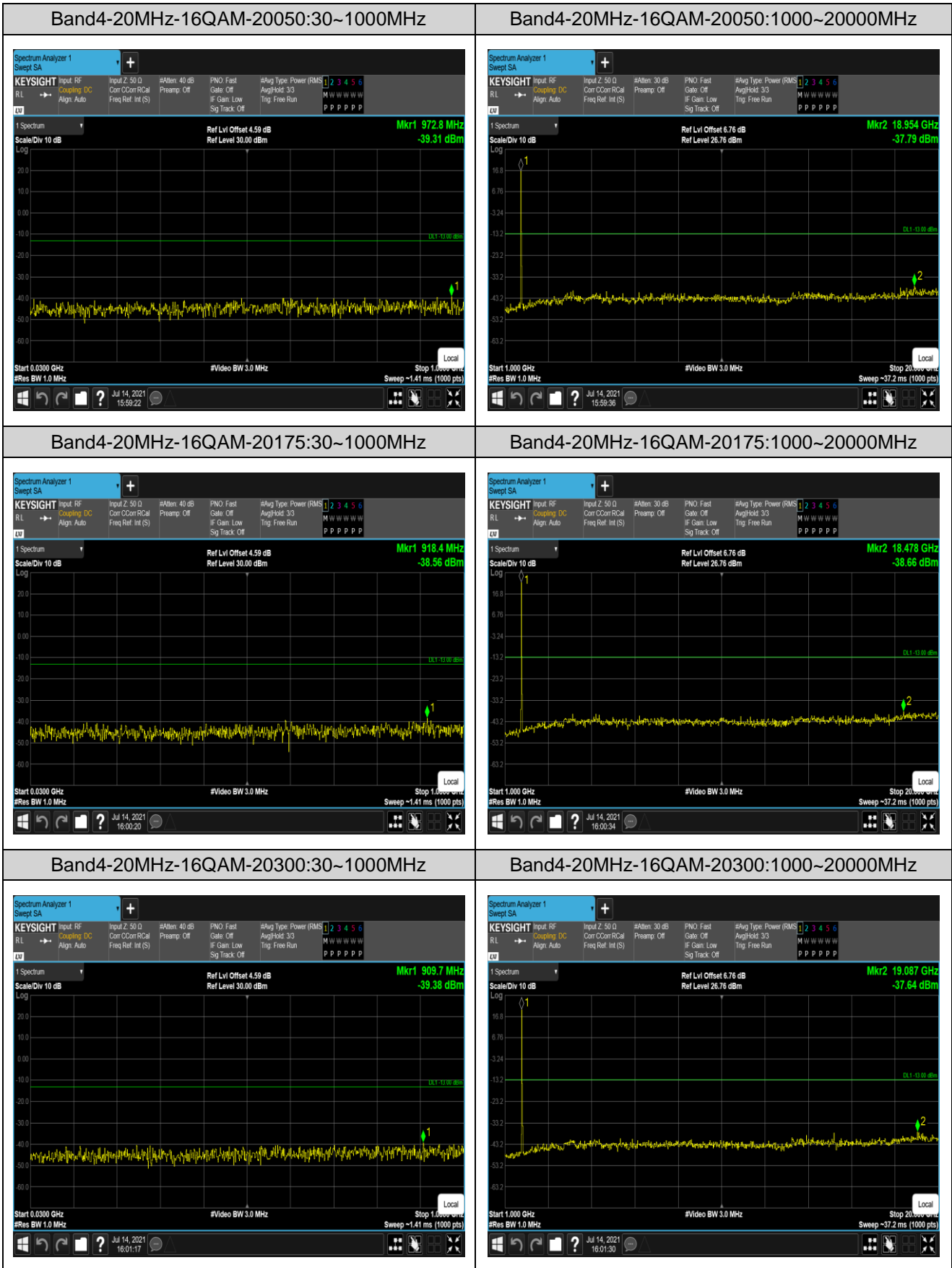


Band4-20MHz-QPSK-20300:30~1000MHz

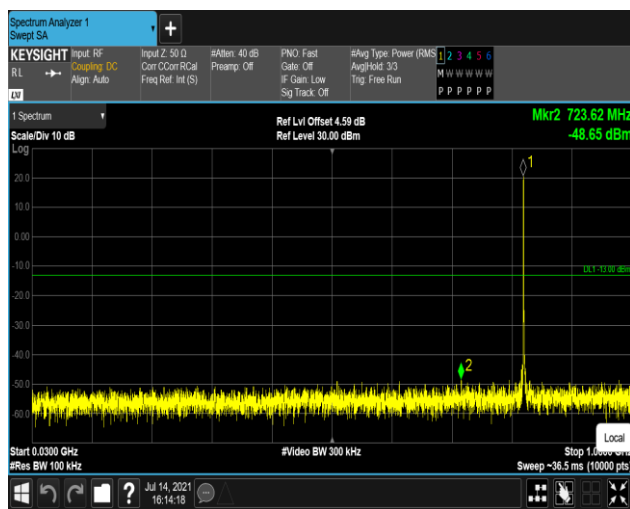


Band4-20MHz-QPSK-20300:1000~20000MHz

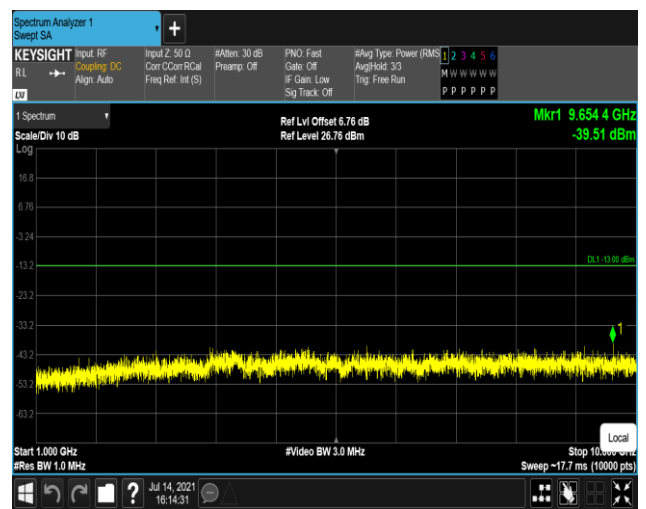




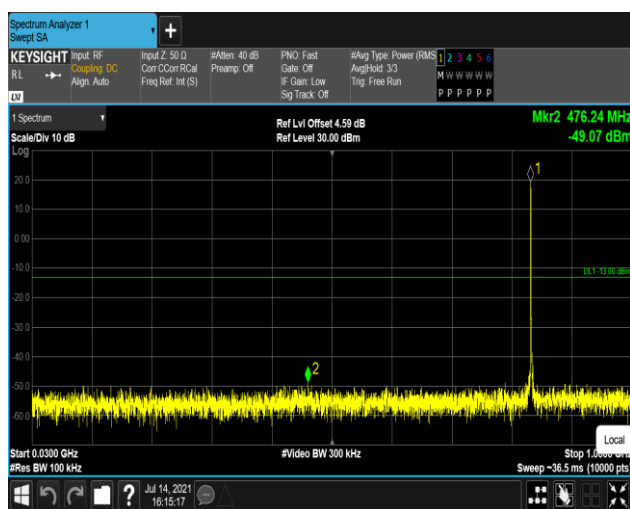
Band5-1.4MHz-QPSK-20407:30~1000MHz



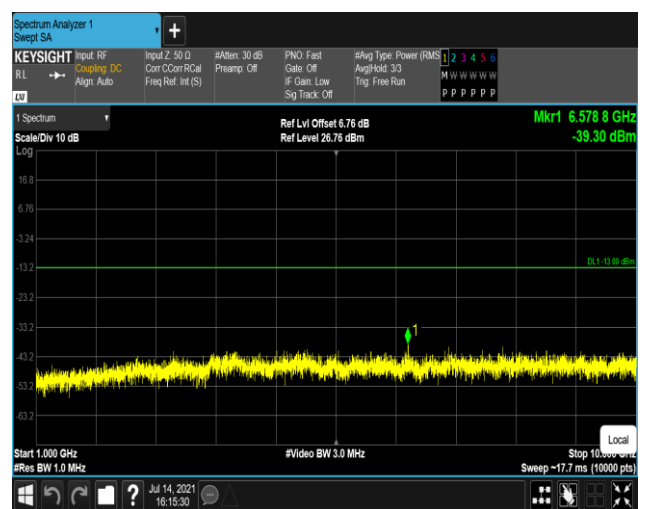
Band5-1.4MHz-QPSK-20407:1000~10000MHz



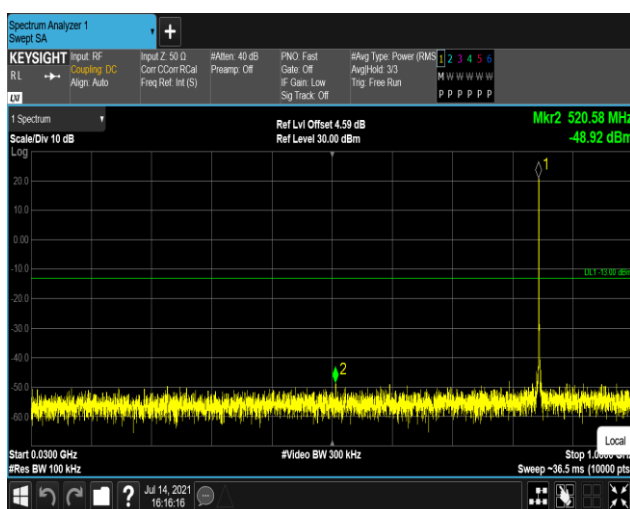
Band5-1.4MHz-QPSK-20525:30~1000MHz



Band5-1.4MHz-QPSK-20525:1000~10000MHz



Band5-1.4MHz-QPSK-20643:30~1000MHz



Band5-1.4MHz-QPSK-20643:1000~10000MHz

