

## 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	-38.76	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-37.84	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.26	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.16	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-38.82	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-37.12	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-39.5	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-37.1	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-37.73	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-38.04	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-37.95	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-37.17	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-38.35	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-37.73	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.61	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-37.69	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-38.36	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-37.8	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-39.03	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-37.39	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-37.98	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-38.45	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-38.73	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-37.9	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-47.93	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-39.88	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-48.02	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-40.03	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-49.33	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-40.37	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-48.49	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-40.05	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-48.67	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-39.15	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-48.98	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-40.41	PASS

Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-49.07	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-40.37	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-48.94	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-40.26	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-48.32	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-40.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-48.03	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-40.32	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-48.14	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-39.43	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-48.04	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-39.53	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-48.66	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-34.66	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-48.26	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-35.06	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-48.25	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-34.85	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-48.44	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~27000MHz	-34.16	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.88	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.13	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-49.27	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-35.64	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-48.63	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000MHz	-34.71	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-48.59	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-34.57	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-49.38	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-34.45	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-49.08	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~27000MHz	-34.55	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.87	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.13	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-48.54	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~27000MHz	-35.33	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-48.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-38.41	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-48.88	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-37.76	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-48.63	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-39.5	PASS

Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-47.78	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-37.15	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-47.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-39.13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-48.3	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-39.32	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-48.29	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-38.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-48.74	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-36.44	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-48.33	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-38.37	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-48.4	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-38.96	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-47.8	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-39.55	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-48.51	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-40.26	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-48.55	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range2:1000~10000MHz	-39.5	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:1559~1610MHz	-61.29	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-47.76	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-40.48	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:1559~1610MHz	-55.4	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-47.22	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:1000~10000MHz	-39.76	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:1559~1610MHz	-54.01	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-47.42	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:1000~10000MHz	-40.25	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:1559~1610MHz	-60.48	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-48.51	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-39.53	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:1559~1610MHz	-55.94	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-48.56	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:1000~10000MHz	-40.74	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:1559~1610MHz	-53.86	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-47.59	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:1000~10000MHz	-40.29	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:1559~1610MHz	-60.96	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-47.74	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:1000~10000MHz	-39.9	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:1559~1610MHz	-60.52	PASS

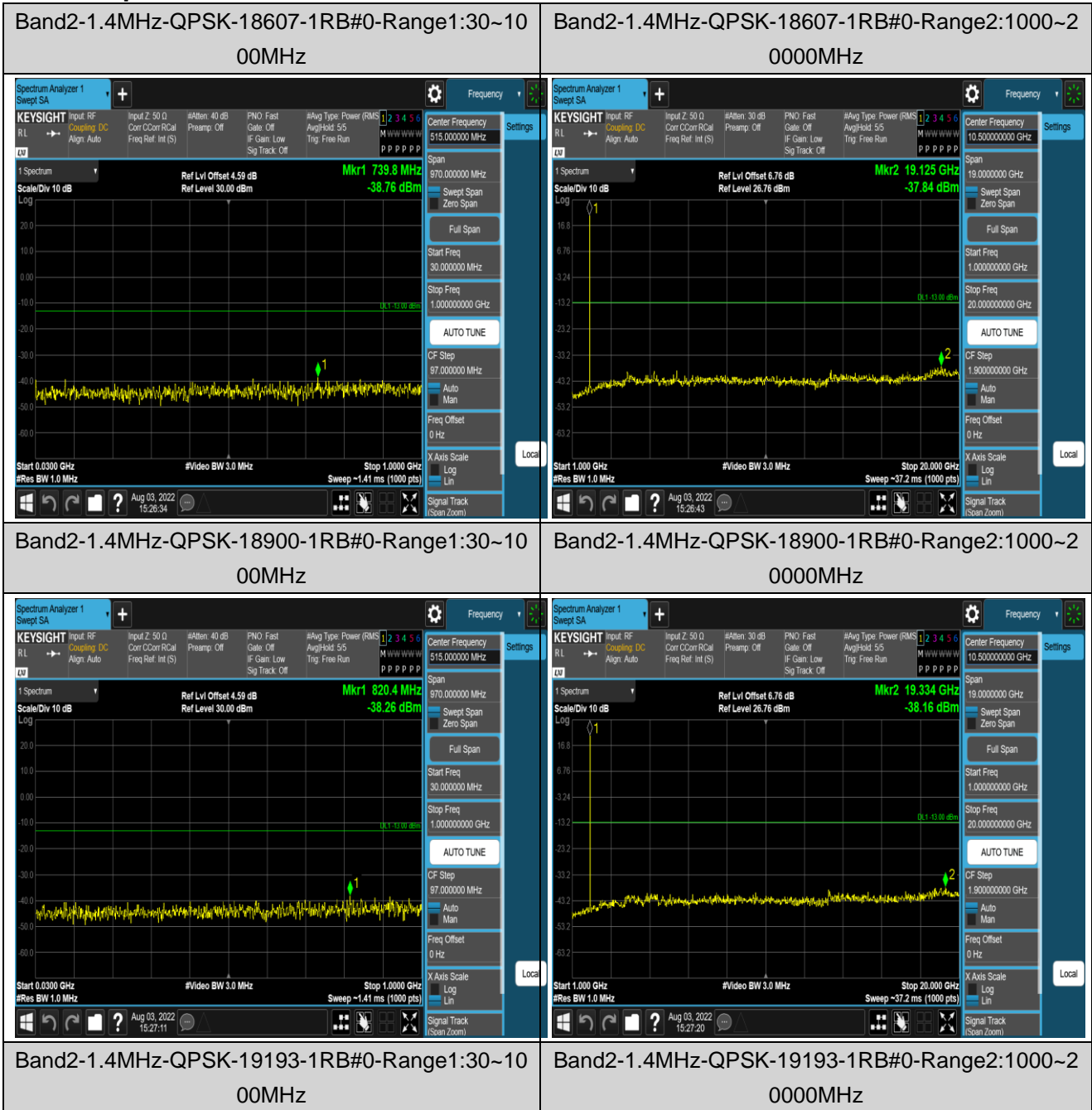
Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-48.8	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-36.79	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-48.44	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-39.21	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-48.32	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-38.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-48.66	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-39.88	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-48.79	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-39.95	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-48.1	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-39.7	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-48.01	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-39.07	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-48.13	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-40.4	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-48.99	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-39.61	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-45.64	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-39.28	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-47.92	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-38.12	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-47.5	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-40.19	PASS
Band41	5MHz	QPSK	40065	1RB#0	Range1:30~1000MHz	-48.94	PASS
Band41	5MHz	QPSK	40065	1RB#0	Range2:1000~27000MHz	-34.58	PASS
Band41	5MHz	QPSK	40640	1RB#0	Range1:30~1000MHz	-48.68	PASS
Band41	5MHz	QPSK	40640	1RB#0	Range2:1000~27000MHz	-34.97	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range1:30~1000MHz	-48.46	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range2:1000~27000MHz	-34.46	PASS
Band41	5MHz	16QAM	40065	1RB#0	Range1:30~1000MHz	-48.76	PASS
Band41	5MHz	16QAM	40065	1RB#0	Range2:1000~27000MHz	-34.78	PASS
Band41	5MHz	16QAM	40640	1RB#0	Range1:30~1000MHz	-47.79	PASS
Band41	5MHz	16QAM	40640	1RB#0	Range2:1000~27000MHz	-34.68	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range1:30~1000MHz	-47.93	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range2:1000~27000MHz	-33.79	PASS
Band41	20MHz	QPSK	40140	1RB#0	Range1:30~1000MHz	-48.42	PASS
Band41	20MHz	QPSK	40140	1RB#0	Range2:1000~27000MHz	-33.86	PASS
Band41	20MHz	QPSK	40640	1RB#0	Range1:30~1000MHz	-49.41	PASS
Band41	20MHz	QPSK	40640	1RB#0	Range2:1000~27000MHz	-35.18	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range1:30~1000MHz	-48.51	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range2:1000~27000MHz	-34.3	PASS



Band41	20MHz	16QAM	40140	1RB#0	Range1:30~1000MHz	-47.94	PASS
Band41	20MHz	16QAM	40140	1RB#0	Range2:1000~27000MHz	-34.97	PASS
Band41	20MHz	16QAM	40640	1RB#0	Range1:30~1000MHz	-48.71	PASS
Band41	20MHz	16QAM	40640	1RB#0	Range2:1000~27000MHz	-33.8	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range1:30~1000MHz	-47.56	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range2:1000~27000MHz	-34.54	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range1:30~1000MHz	-39.03	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range2:1000~20000MHz	-37.42	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-38.26	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-37.93	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range1:30~1000MHz	-37.56	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range2:1000~20000MHz	-38.07	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range1:30~1000MHz	-38.78	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range2:1000~20000MHz	-38.22	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-38.79	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-37.53	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range1:30~1000MHz	-36.99	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range2:1000~20000MHz	-38.3	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range1:30~1000MHz	-38.27	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range2:1000~20000MHz	-36.88	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-38.53	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-38.14	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range1:30~1000MHz	-39.4	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range2:1000~20000MHz	-37.63	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range1:30~1000MHz	-38.62	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range2:1000~20000MHz	-38.79	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-38.5	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-38.26	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range1:30~1000MHz	-39.34	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range2:1000~20000MHz	-37.52	PASS

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

Test Graphs





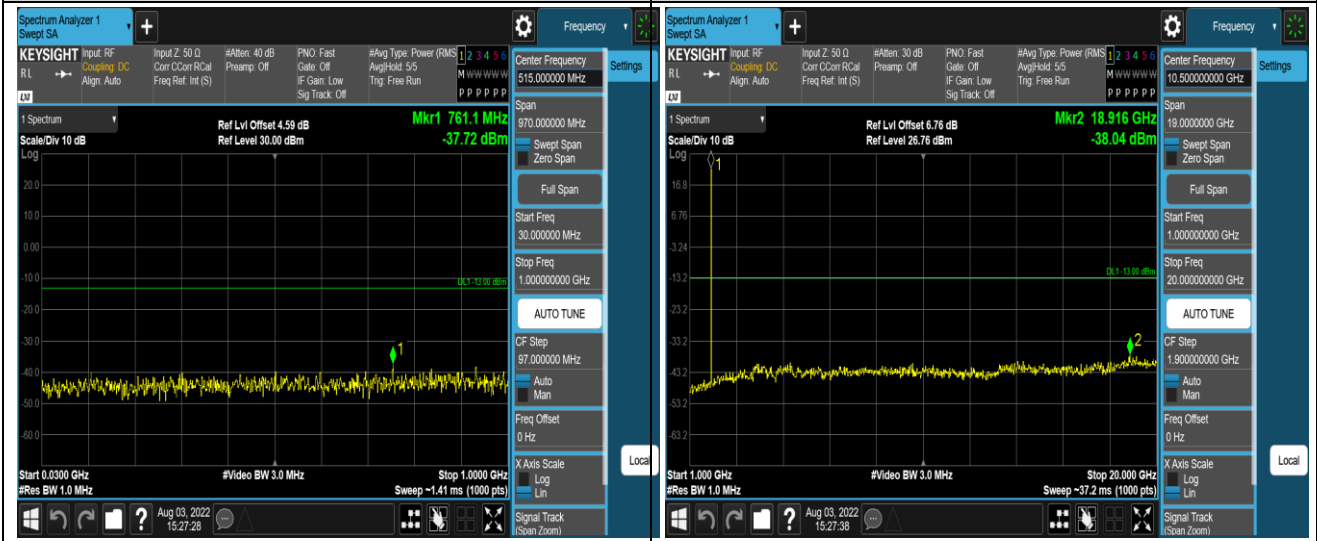
Band2-1.4MHz-16QAM-18607-1RB#0-Range1:30~1000MHz

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

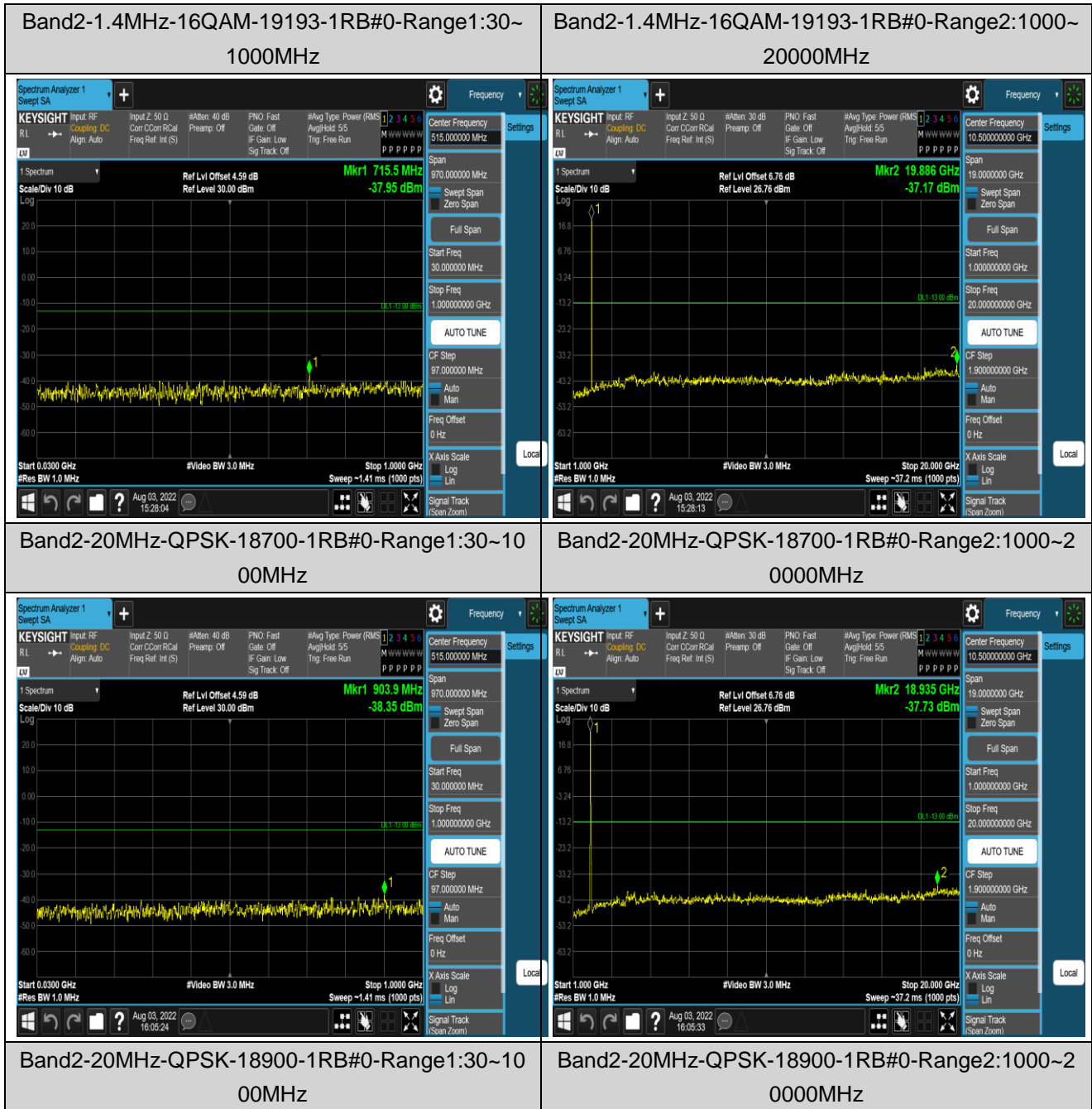


Band2-1.4MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

Band2-1.4MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



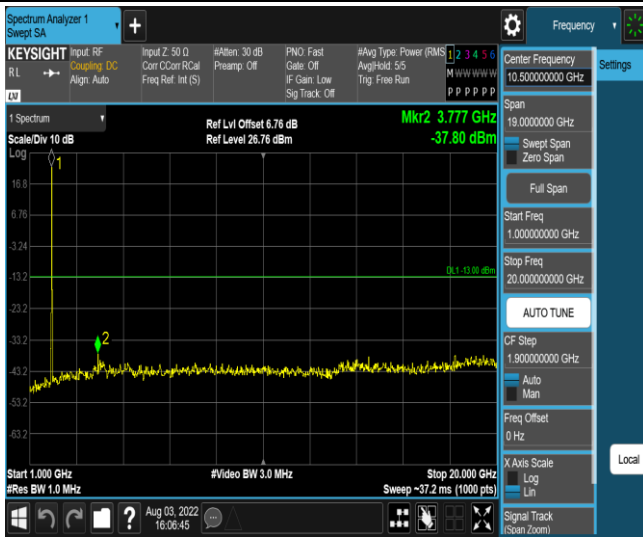
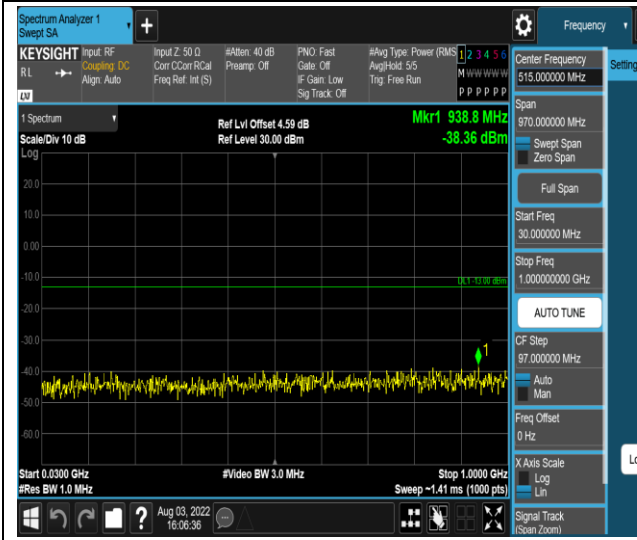






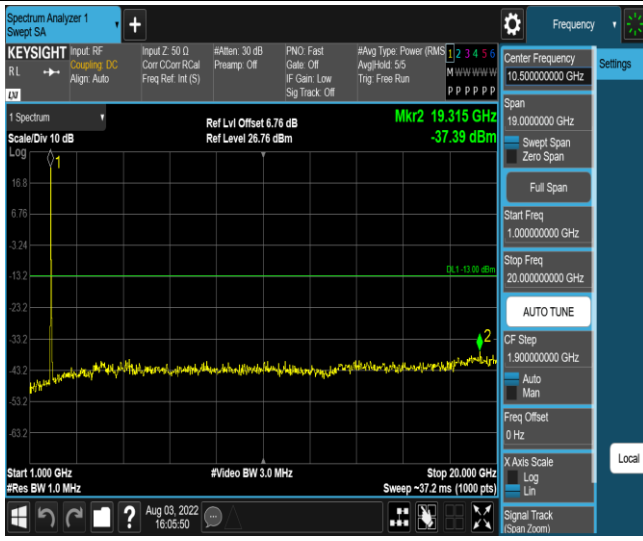
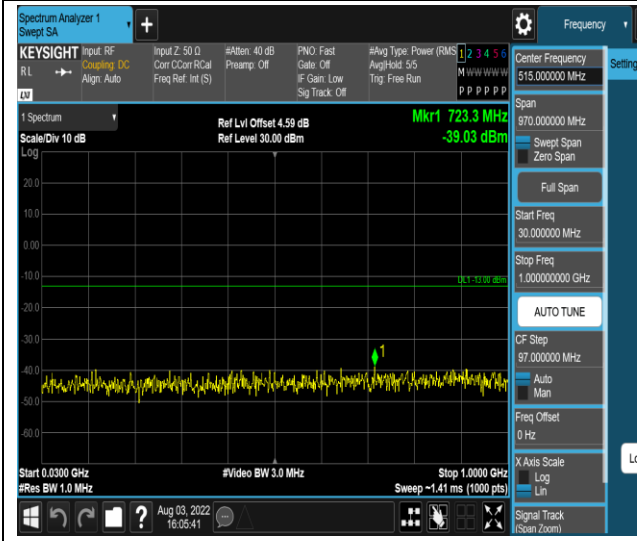
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz

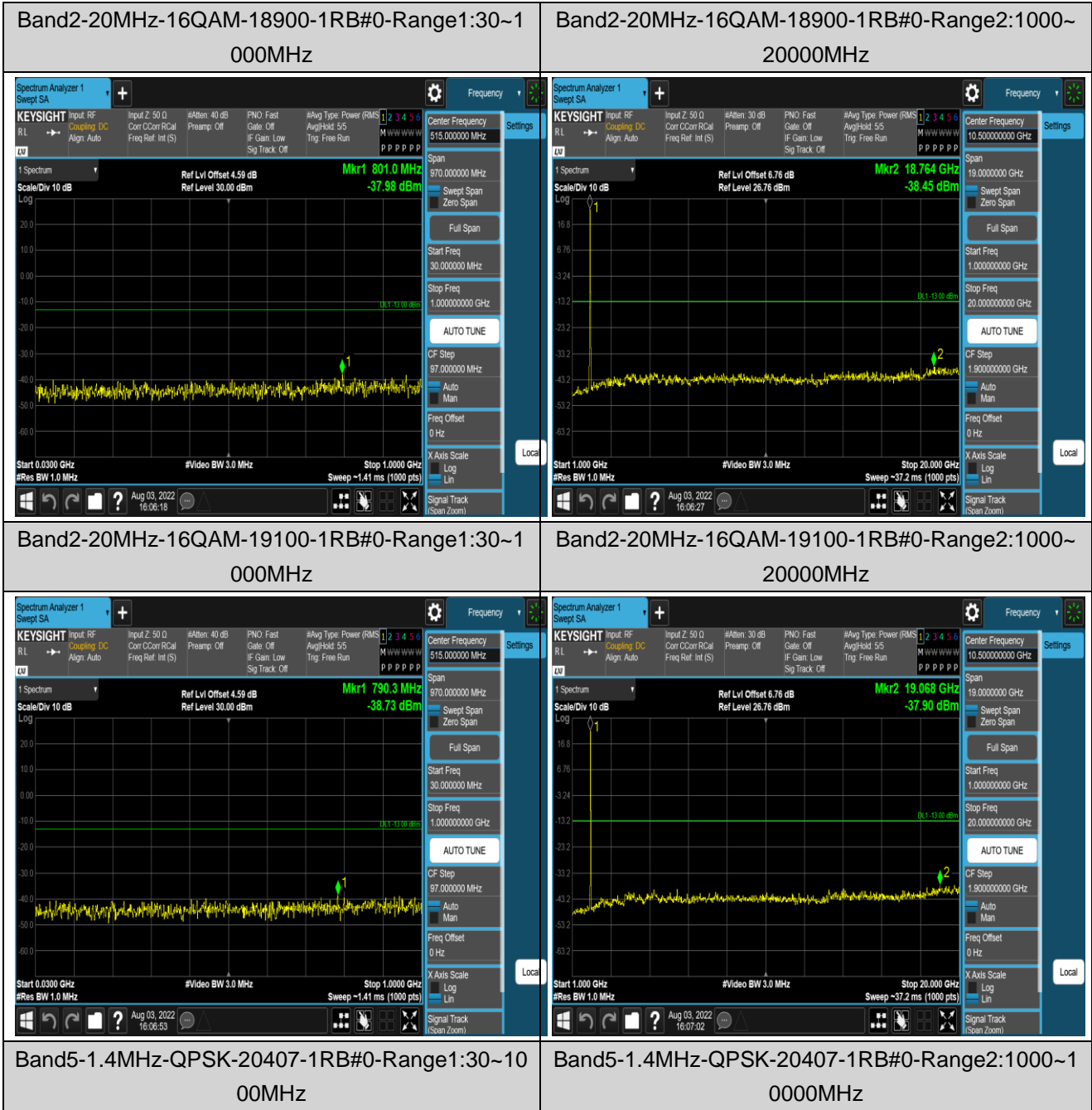
Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz

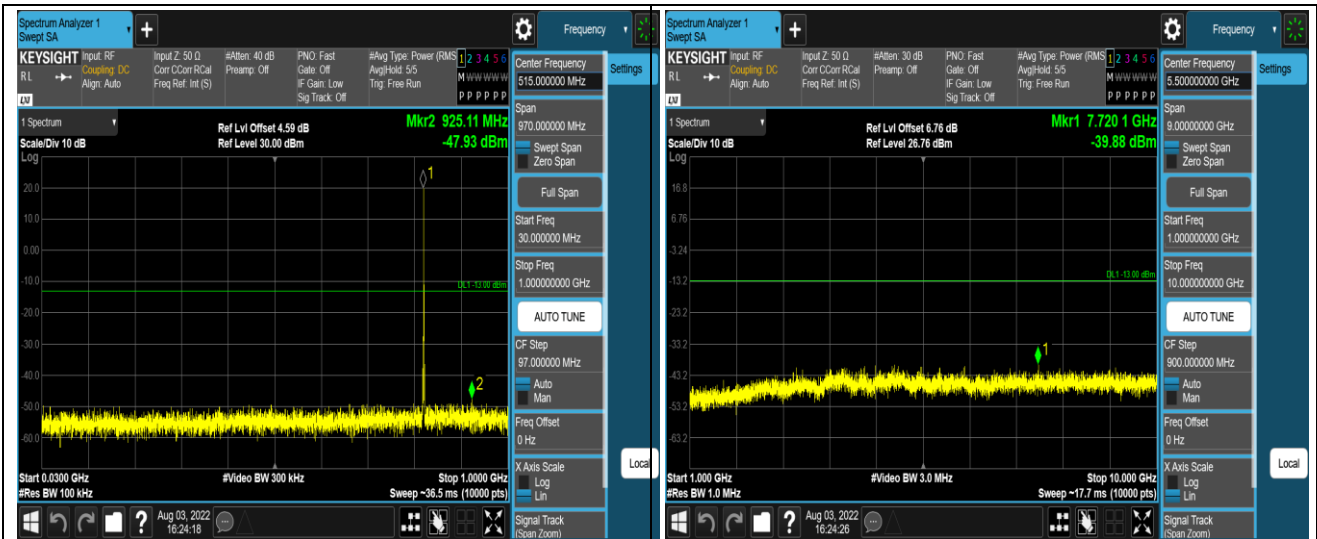


Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz

Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz

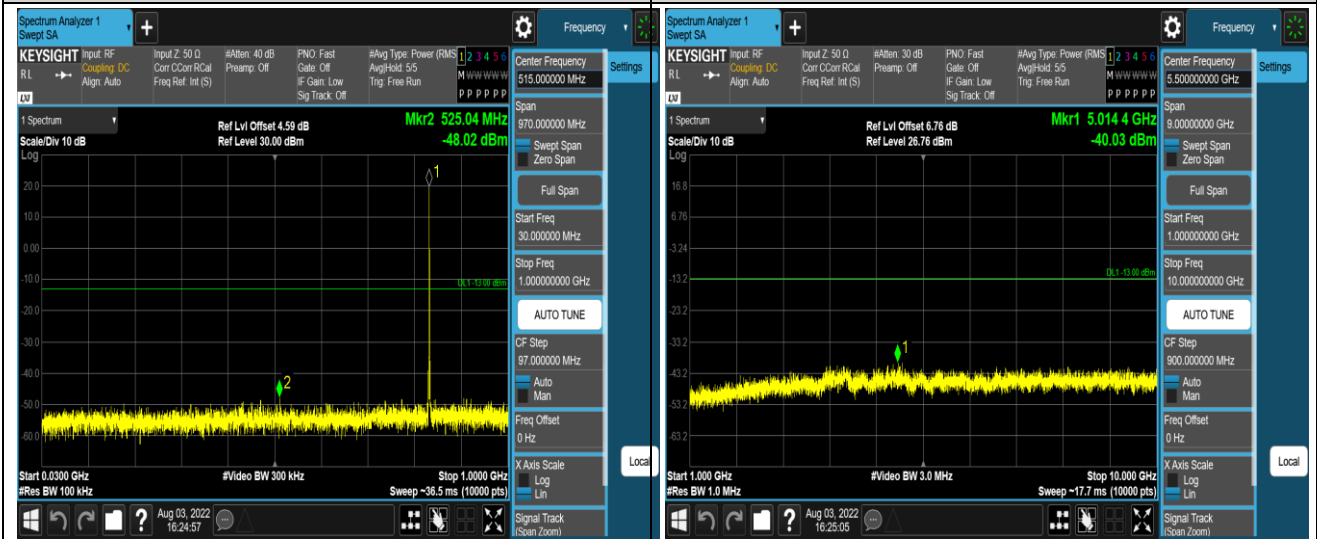






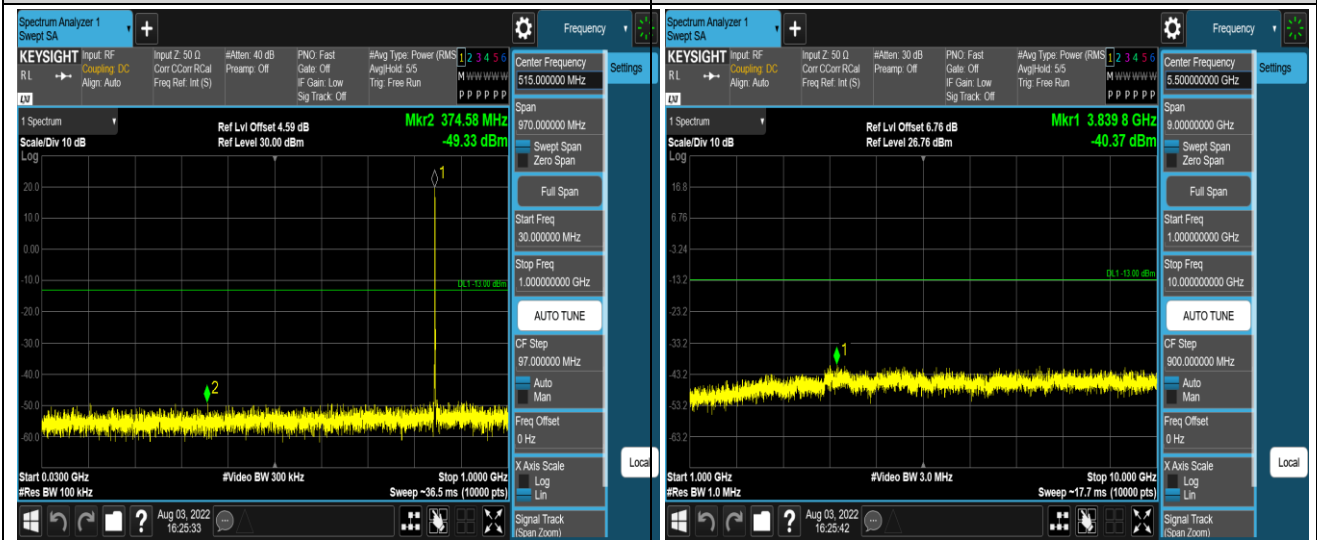
Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

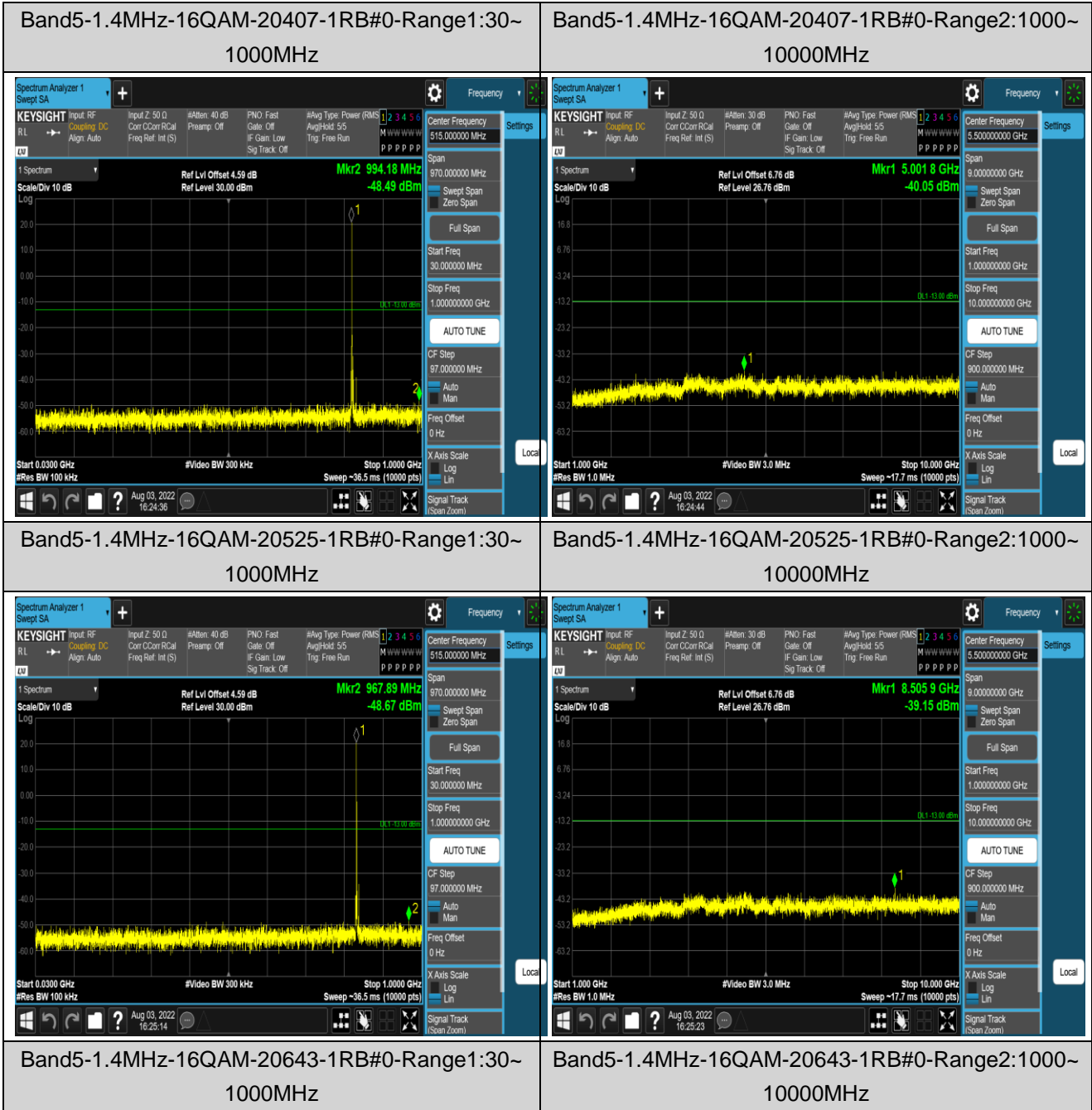
Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



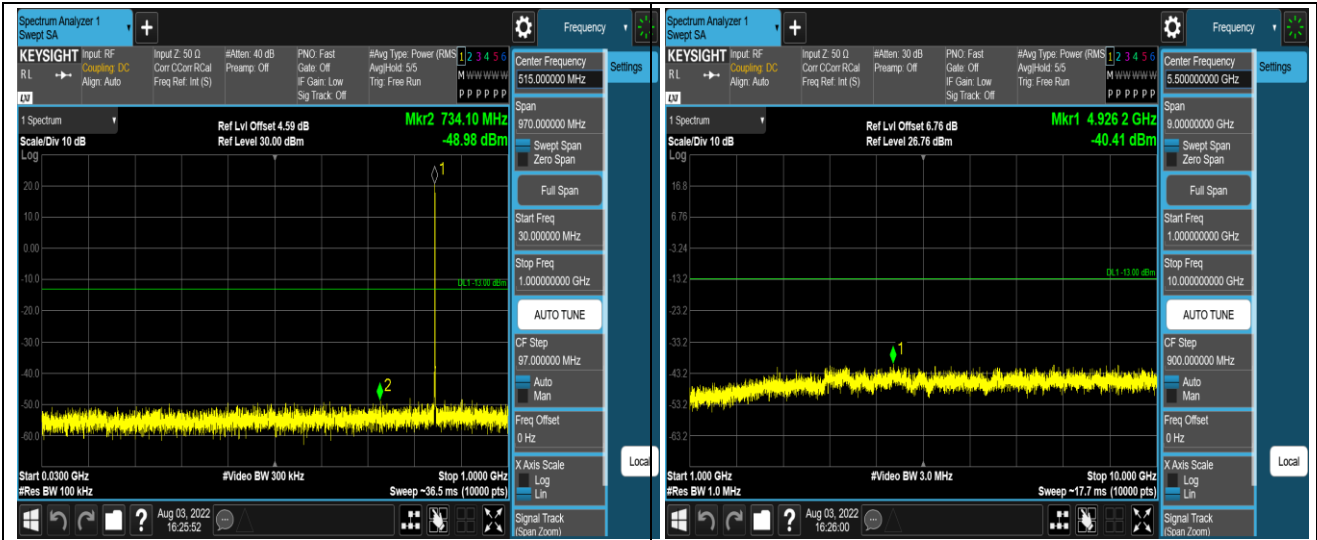
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



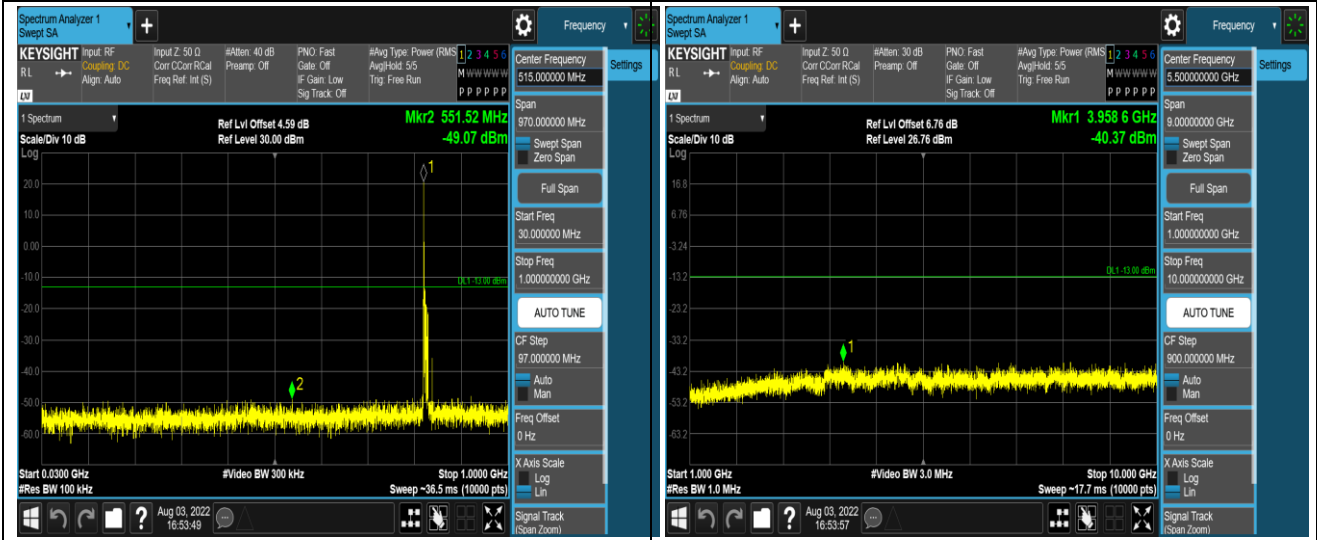






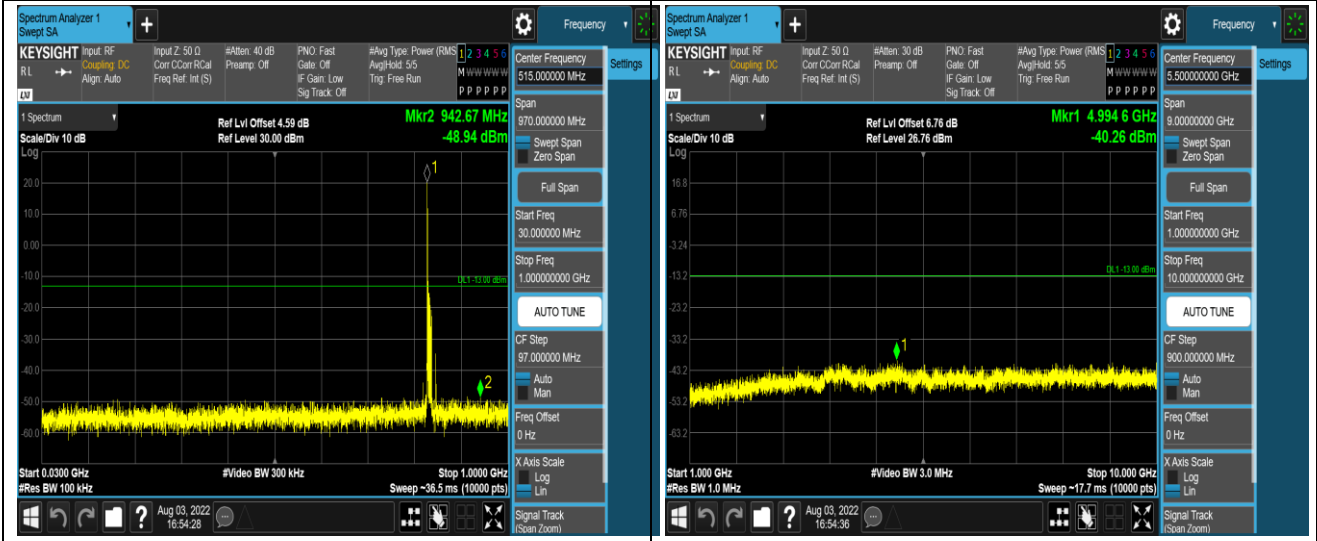
Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz

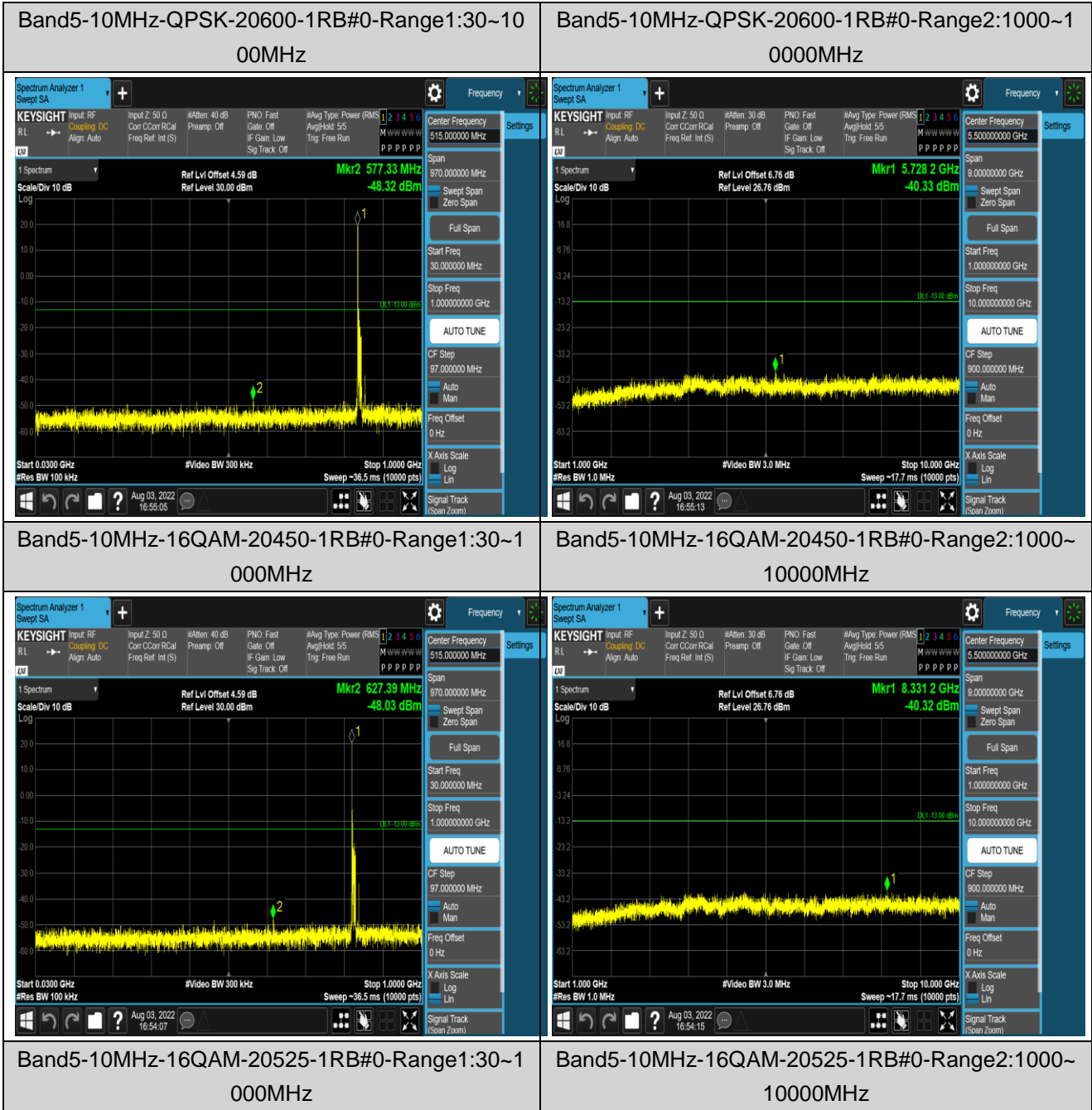
Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz

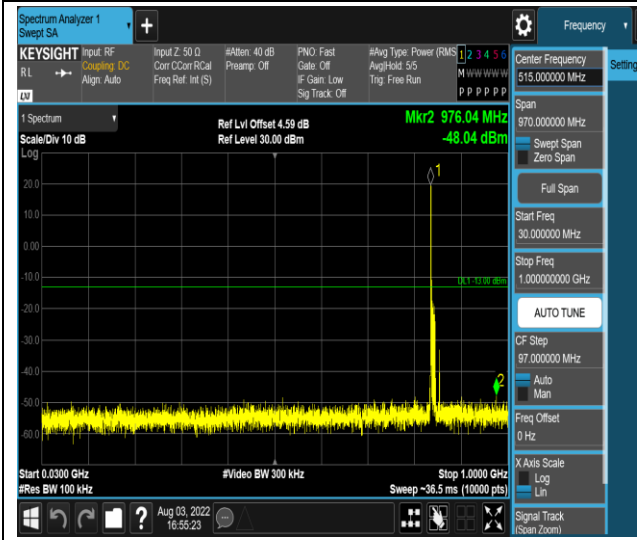






Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz

Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



Band7-5MHz-QPSK-20775-1RB#0-Range1:30~1000MHz

Band7-5MHz-QPSK-20775-1RB#0-Range2:1000~27000MHz

