

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	-38.68	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-37.07	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-39.08	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-35.55	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-38.5	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-35.11	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-38.74	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-37.74	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.6	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-36.96	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-37.69	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-36.44	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-38.92	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-36.47	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-38.9	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-37.01	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-38.54	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-37.76	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-39.49	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-38.1	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.52	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-38.07	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-38.94	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-37.99	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-48.43	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-39.89	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-49.16	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-39.77	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-49.04	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-40.13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-48.95	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-40.37	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-48.53	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-39.85	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-48.66	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-40.02	PASS

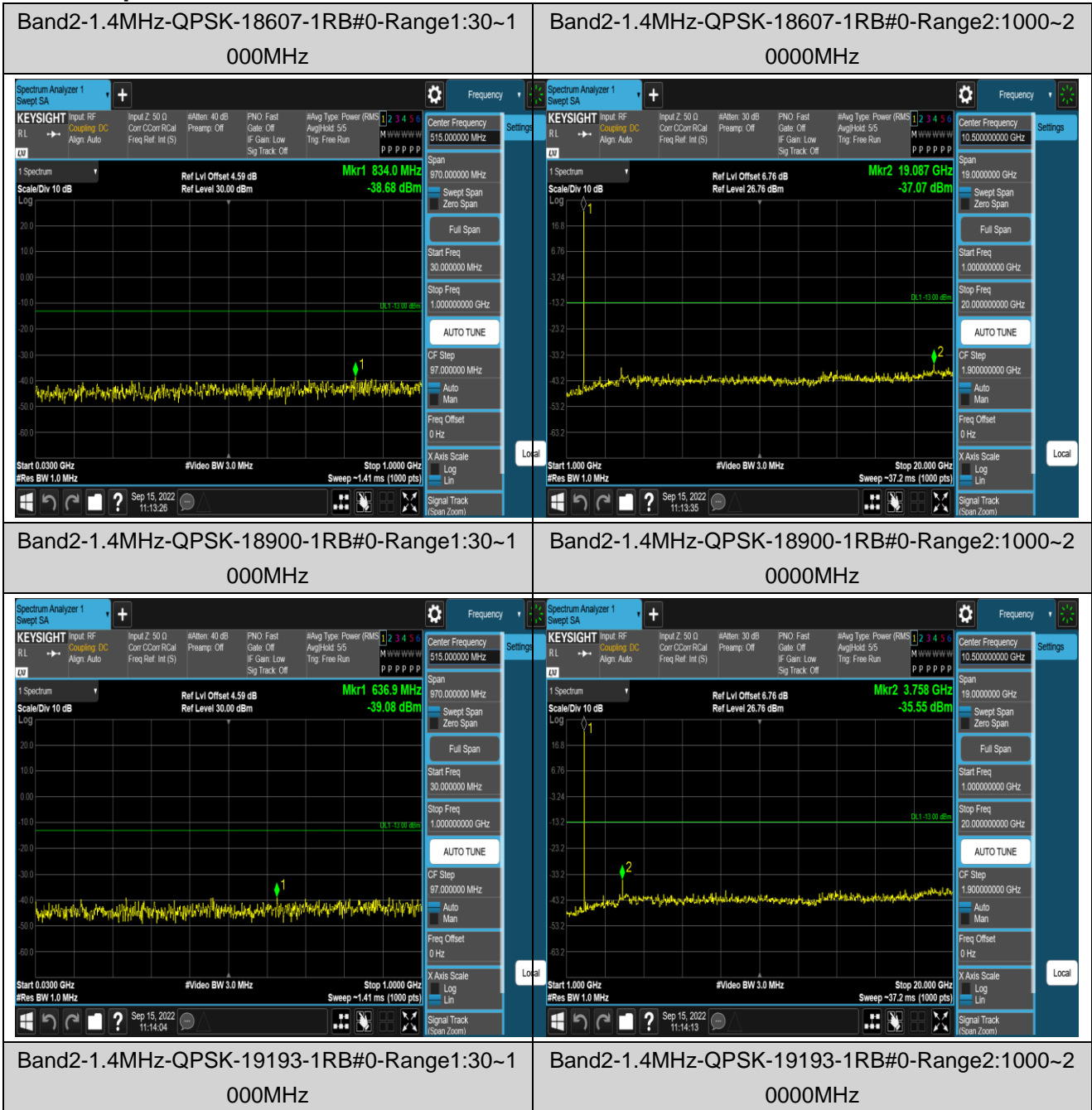
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-47.29	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-40.53	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-48.56	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-40.2	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-48.55	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-39.55	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-48.76	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-40.22	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-48.5	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-40.08	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-47.57	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-39.91	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-48.64	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-35.23	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-49.02	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-35.56	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-48	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-34.39	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-49.4	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~27000MHz	-35.19	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-49.21	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-34.29	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-49.35	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-35.19	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-48.26	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000MHz	-35.63	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-48.92	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-33.99	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-48.31	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-34.39	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-47.97	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~27000MHz	-34.89	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.93	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.28	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-47.79	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~27000MHz	-34.69	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-47.6	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-40.55	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-48.7	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-40.39	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-47.95	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-40.19	PASS

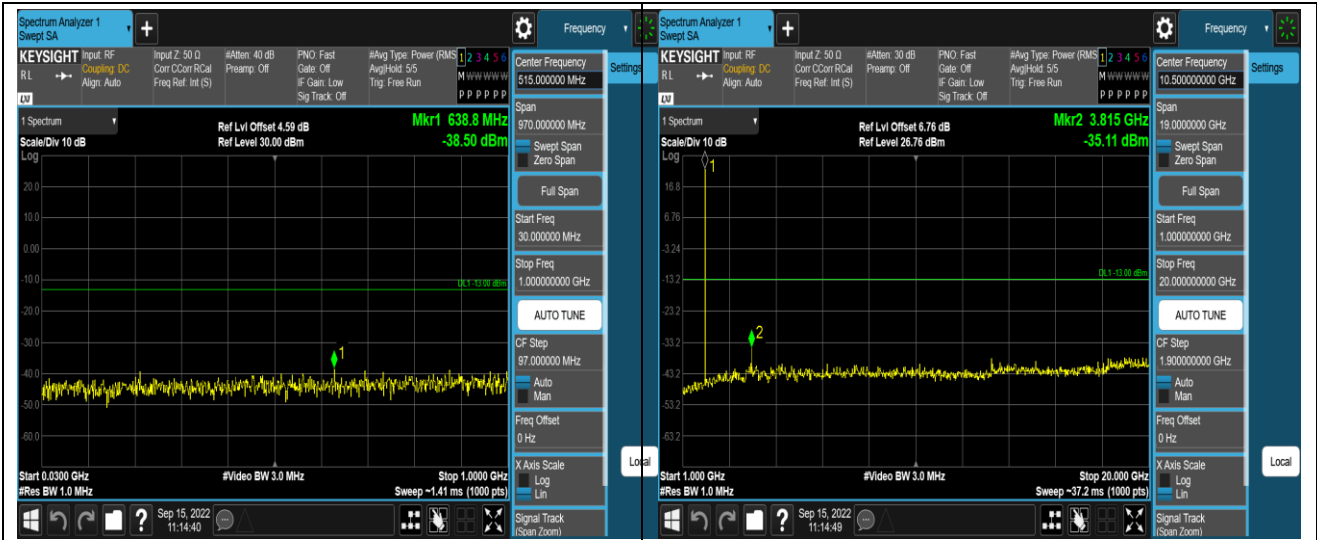
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-48.8	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-40.37	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-48.45	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-39.74	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-48.31	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-40.25	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-48.46	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-39.9	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-48.22	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-40.3	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-48.62	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-40.03	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-48.26	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-40.26	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-48.27	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-40.08	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-47.93	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-37.68	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-47.71	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-39.48	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-47.39	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-39.53	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-48.42	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-40.4	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-48.68	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-40.07	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-48.22	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-40.27	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-48.12	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-39.29	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-47.71	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-38.93	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-48.48	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-40.47	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-47.8	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-40.07	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-48.38	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-40.62	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-48.83	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-39.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-47.65	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-40.31	PASS

Band66	1.4MHz	QPSK	131979	1RB#0	Range1:30~1000MHz	-38.92	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range2:1000~20000MHz	-37.79	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-38.65	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-38.53	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range1:30~1000MHz	-37.98	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range2:1000~20000MHz	-38.7	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range1:30~1000MHz	-38.51	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range2:1000~20000MHz	-38.31	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-38.51	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-37.67	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range1:30~1000MHz	-38.18	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range2:1000~20000MHz	-37.89	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range1:30~1000MHz	-38.27	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range2:1000~20000MHz	-37.77	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-37.92	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-38.37	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range1:30~1000MHz	-39.04	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range2:1000~20000MHz	-37.98	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range1:30~1000MHz	-38.32	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range2:1000~20000MHz	-37.1	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-38.14	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-37.13	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range1:30~1000MHz	-39.02	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range2:1000~20000MHz	-38.07	PASS

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

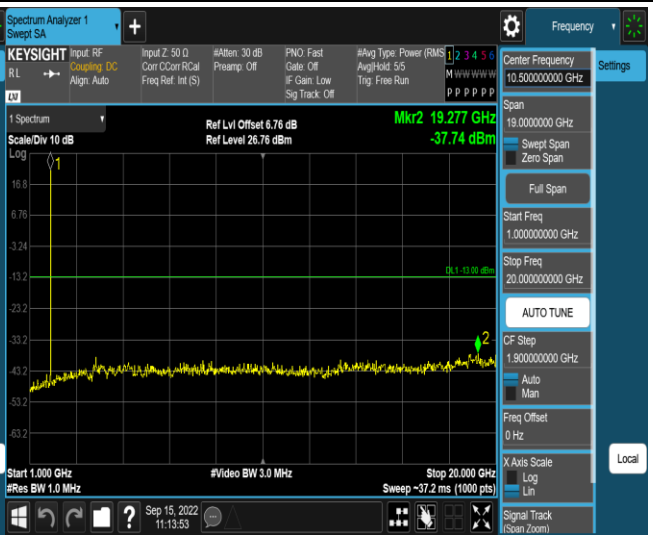
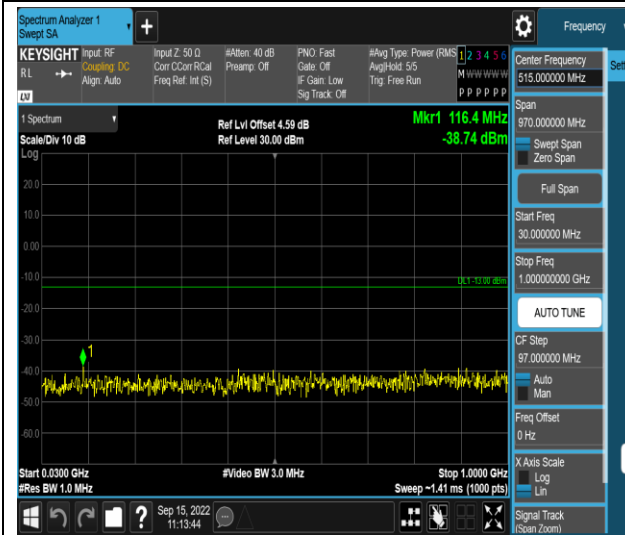
Test Graphs





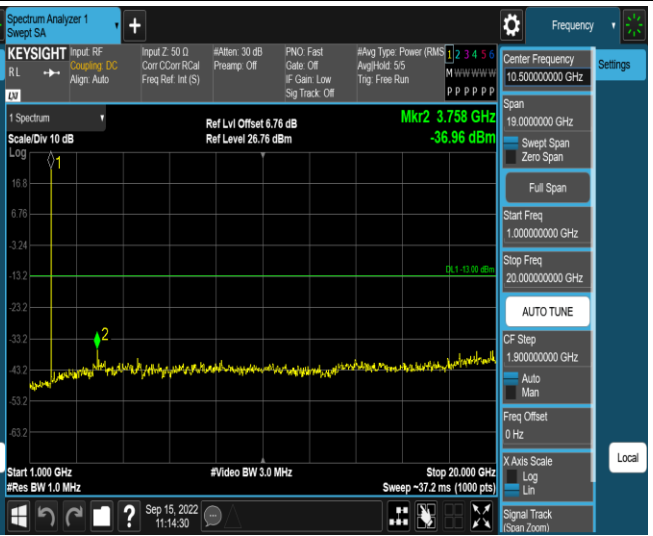
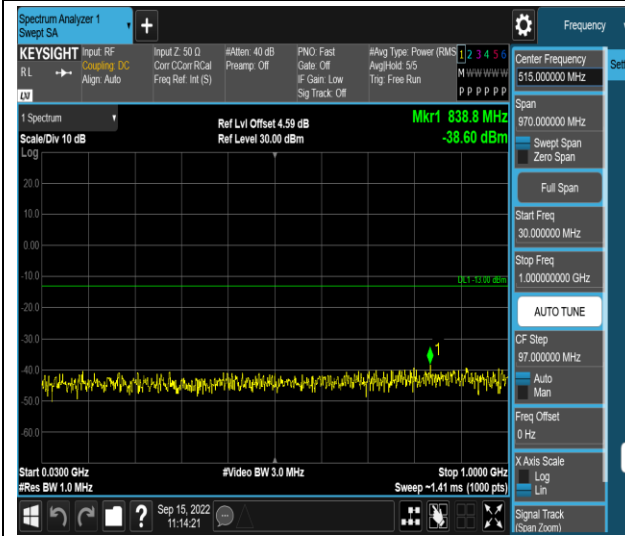
Band2-1.4MHz-16QAM-18607-1RB#0-Range1:30~1000MHz

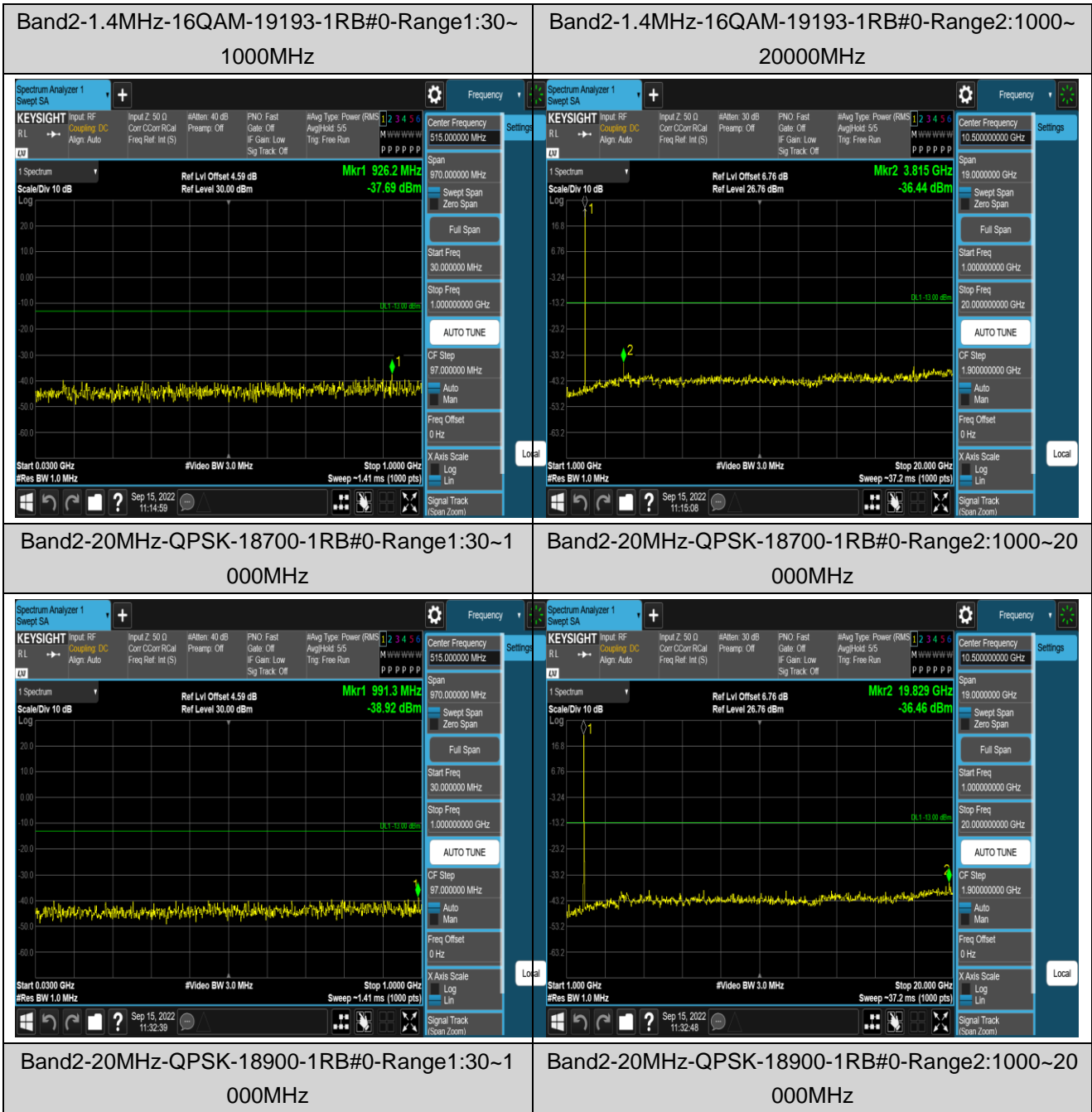
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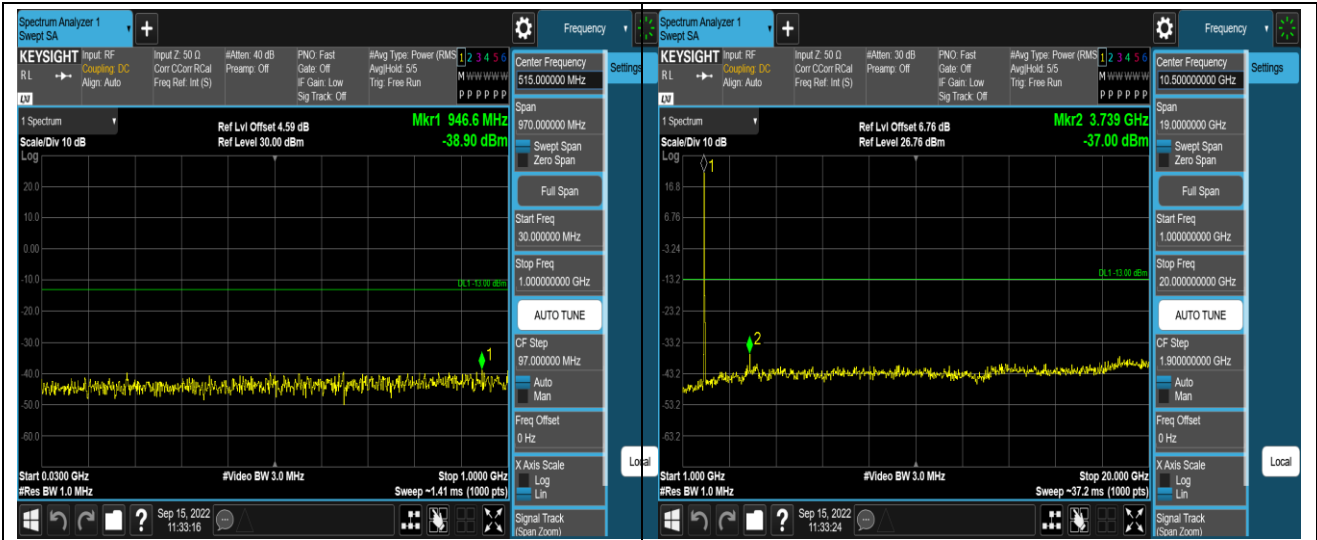


Band2-1.4MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

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

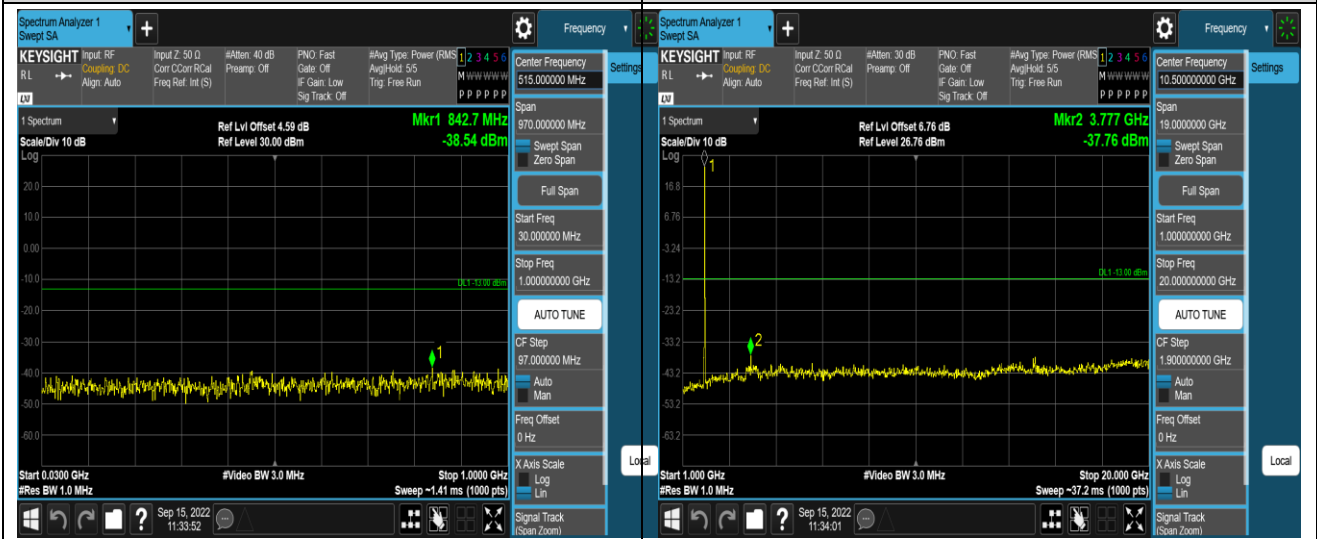






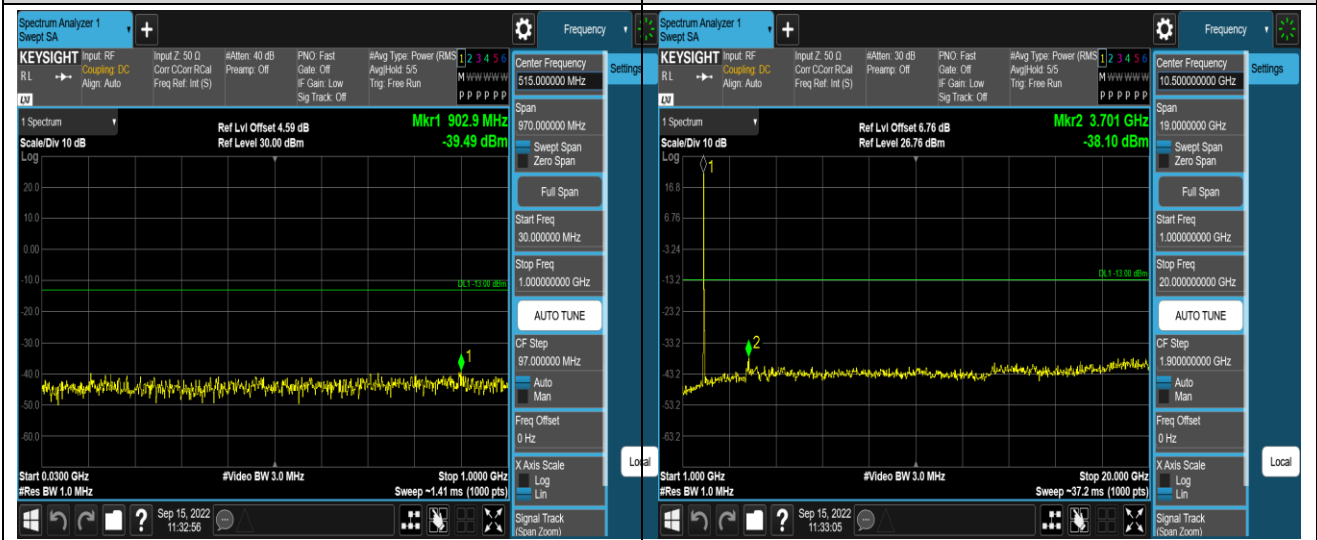
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz

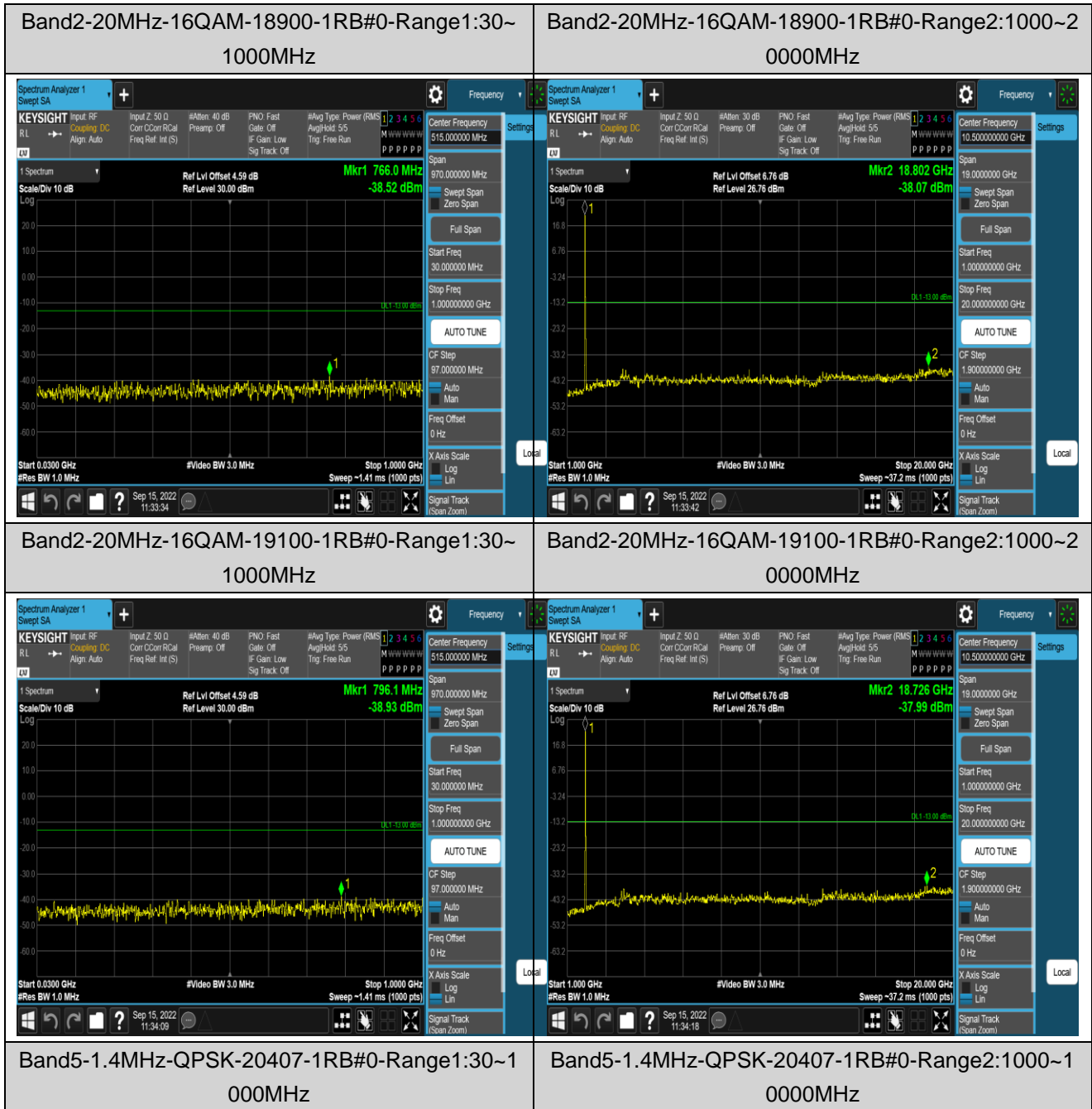
Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



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

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

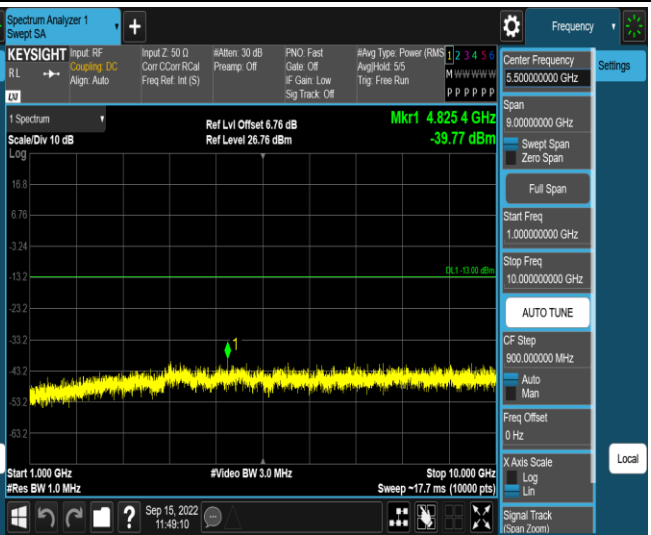
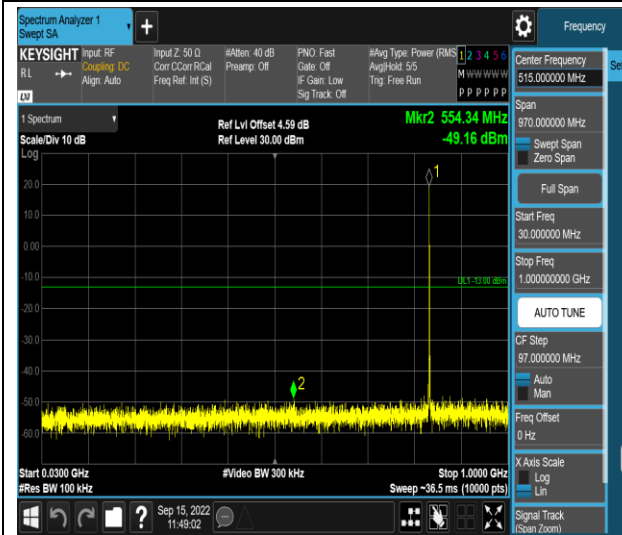






Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

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

