

## 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	-38.5	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-37.52	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-37.15	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.15	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-38.33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-36.92	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-39.11	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-37.03	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.74	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-37.82	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-38.67	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-37.62	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-38.39	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-38.39	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-39.17	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.54	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-38.1	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-37.9	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-38.84	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-36.7	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-38.44	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-38.31	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-38.81	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-38.28	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-37.85	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-37.62	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-37.91	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-37.92	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-39.5	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-37.11	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-38.11	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-37.75	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-38.15	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-37.3	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-39.05	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-37.88	PASS

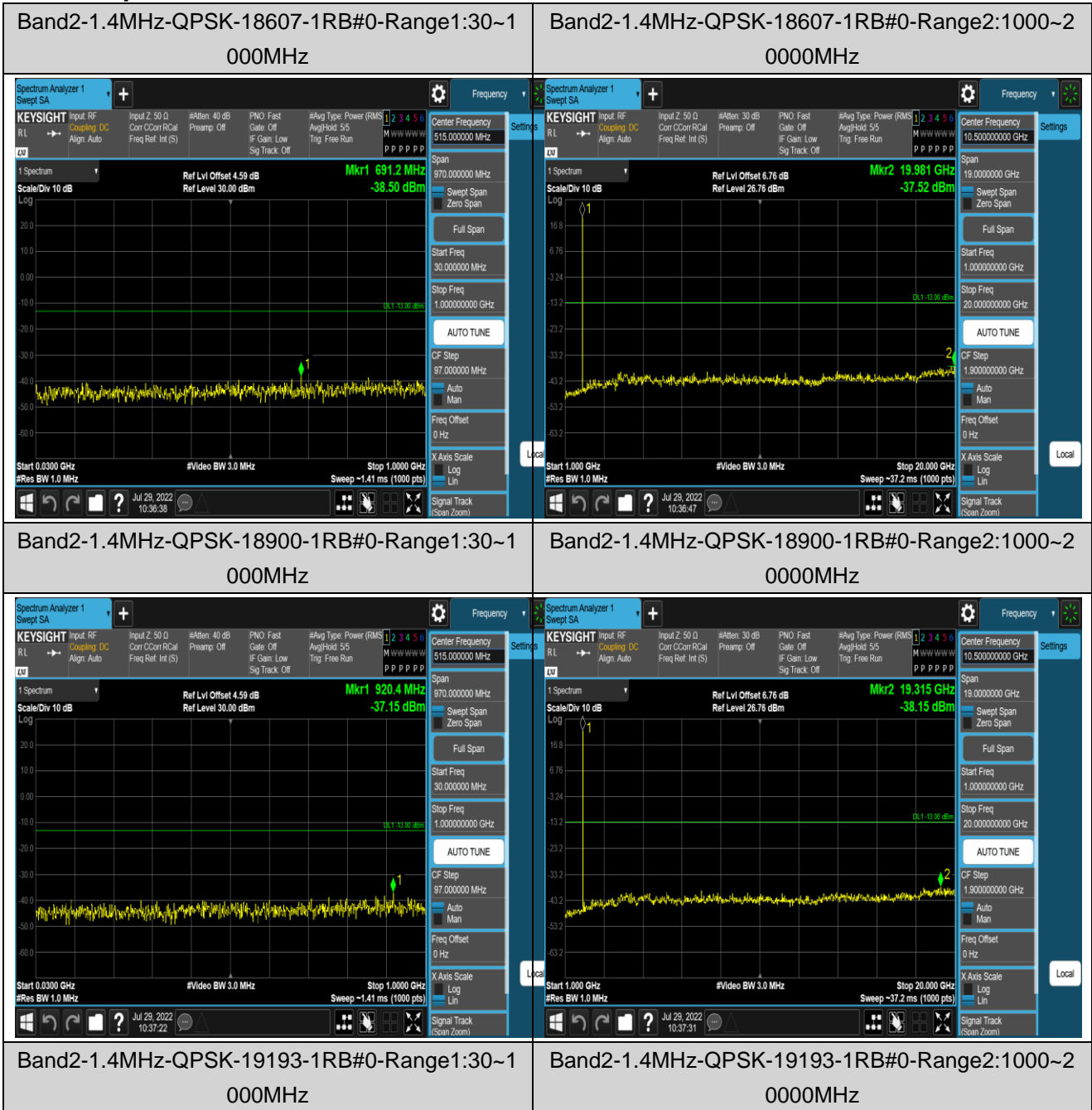
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-38.18	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-37.27	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-39.01	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-37.72	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-36.6	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-37.58	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-39.23	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-36.88	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-37.64	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-38.22	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-39.38	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-38.06	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-48.47	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-38.92	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-48.91	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-39.87	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-49.32	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-40.04	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-47.97	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-39.91	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-48.61	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-40.28	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-49.09	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-39.47	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-47.02	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-38.27	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-47.39	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-39.05	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-47.38	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-38.24	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-47.5	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-38.07	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-47.4	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-38.91	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-47.66	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-38.56	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-48.67	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-35.52	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.11	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-35.59	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-47.9	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-35.9	PASS

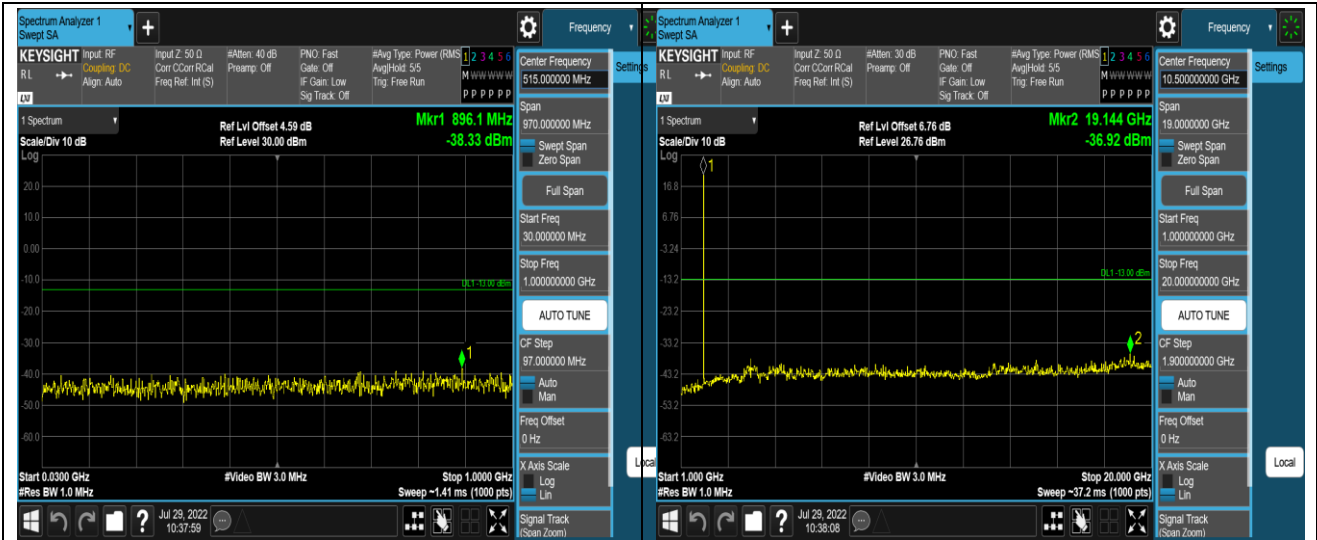
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-47.98	PASS
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Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-48.04	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.17	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-48.04	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-35.82	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-47.92	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000MHz	-35.56	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.69	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-35.52	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-47.06	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-35.49	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-48.14	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~27000MHz	-34.29	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.36	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-35.66	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-48.34	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~27000MHz	-35.01	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-46.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-38.94	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-46.08	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-38.83	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-47.02	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-38.42	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-46.3	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-37.94	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-47.62	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-38.64	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-47.14	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-39.02	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-46.75	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-38.99	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-46.65	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-38.01	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-46.94	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-38.8	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-47.5	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-38.79	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.97	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-38.25	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-46.48	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-39.23	PASS

Band66	1.4MHz	QPSK	131979	1RB#0	Range1:30~1000MHz	-37.33	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range2:1000~20000MHz	-37.91	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-37.1	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-38.56	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range1:30~1000MHz	-38.05	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range2:1000~20000MHz	-37.43	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range1:30~1000MHz	-38.35	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	Range2:1000~20000MHz	-36.94	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-38.18	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-37.5	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range1:30~1000MHz	-37.09	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	Range2:1000~20000MHz	-38.04	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range1:30~1000MHz	-37.32	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range2:1000~20000MHz	-38.16	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-38.51	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-38.28	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range1:30~1000MHz	-37.68	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range2:1000~20000MHz	-37.37	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range1:30~1000MHz	-37.81	PASS
Band66	20MHz	16QAM	132072	1RB#0	Range2:1000~20000MHz	-37.44	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range1:30~1000MHz	-37.53	PASS
Band66	20MHz	16QAM	132322	1RB#0	Range2:1000~20000MHz	-38	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range1:30~1000MHz	-38.2	PASS
Band66	20MHz	16QAM	132572	1RB#0	Range2:1000~20000MHz	-38.46	PASS

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

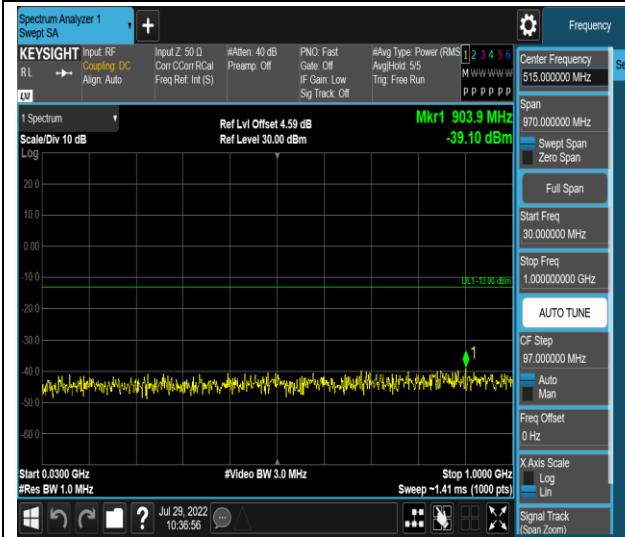
Test Graphs





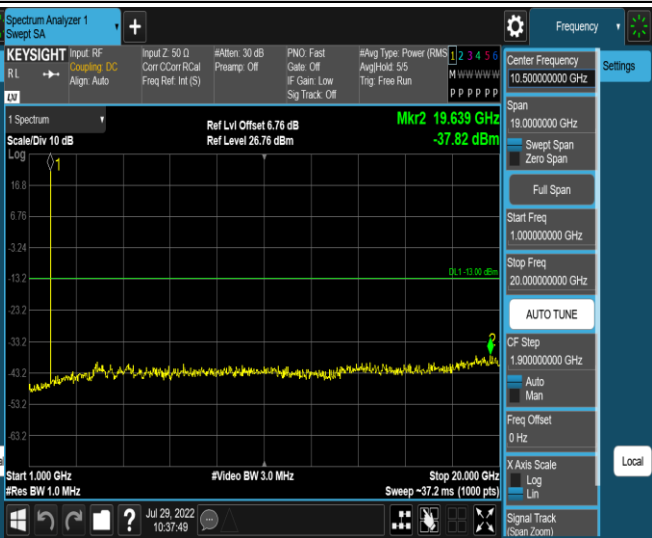
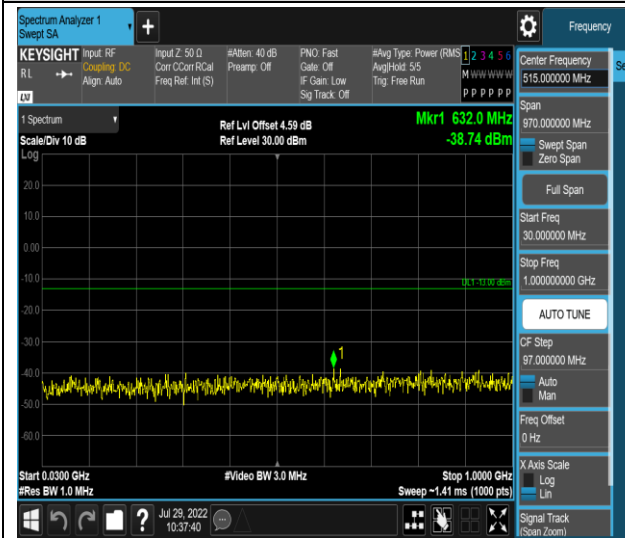
Band2-1.4MHz-16QAM-18607-1RB#0-Range1:30~1000MHz

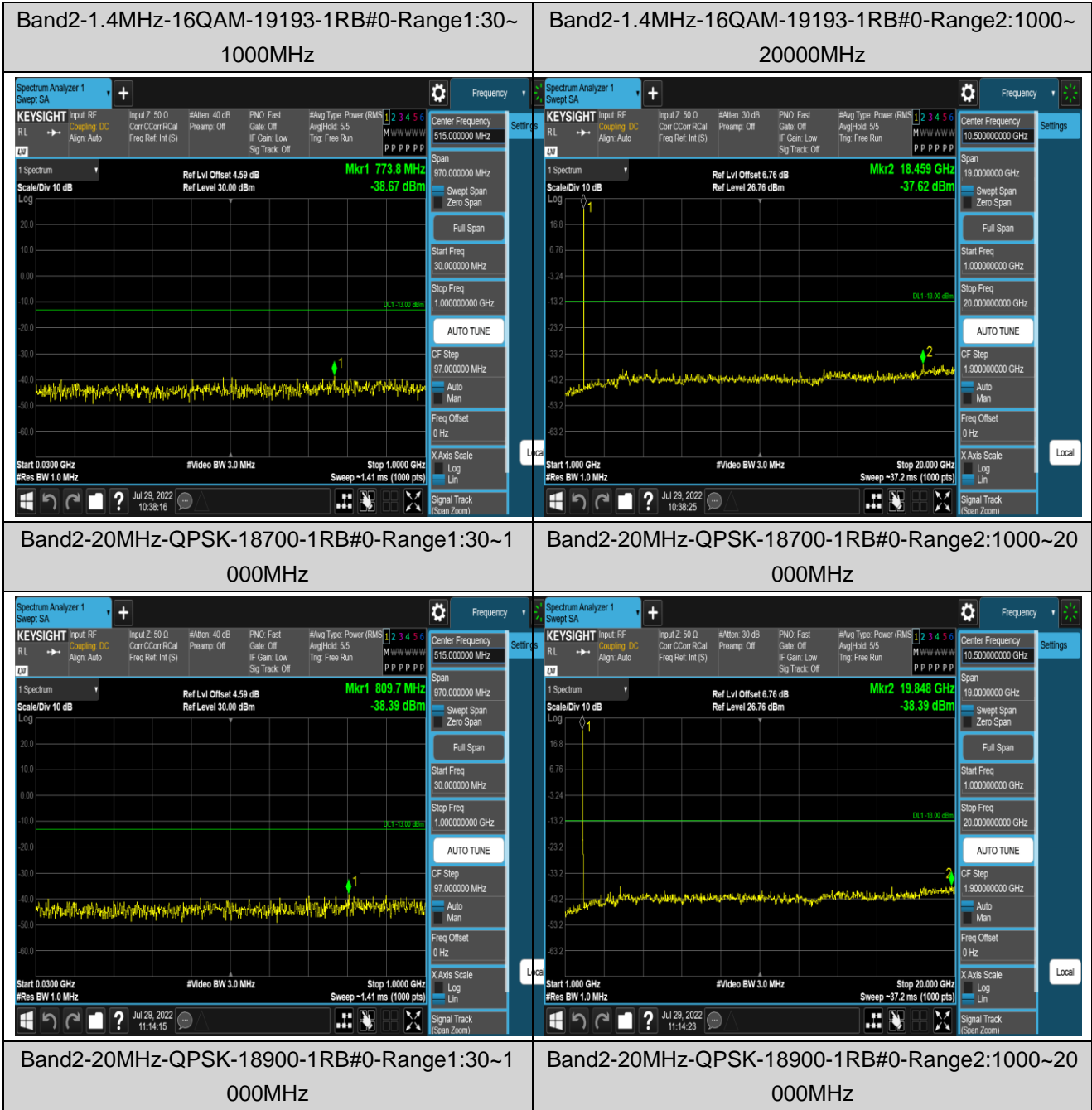
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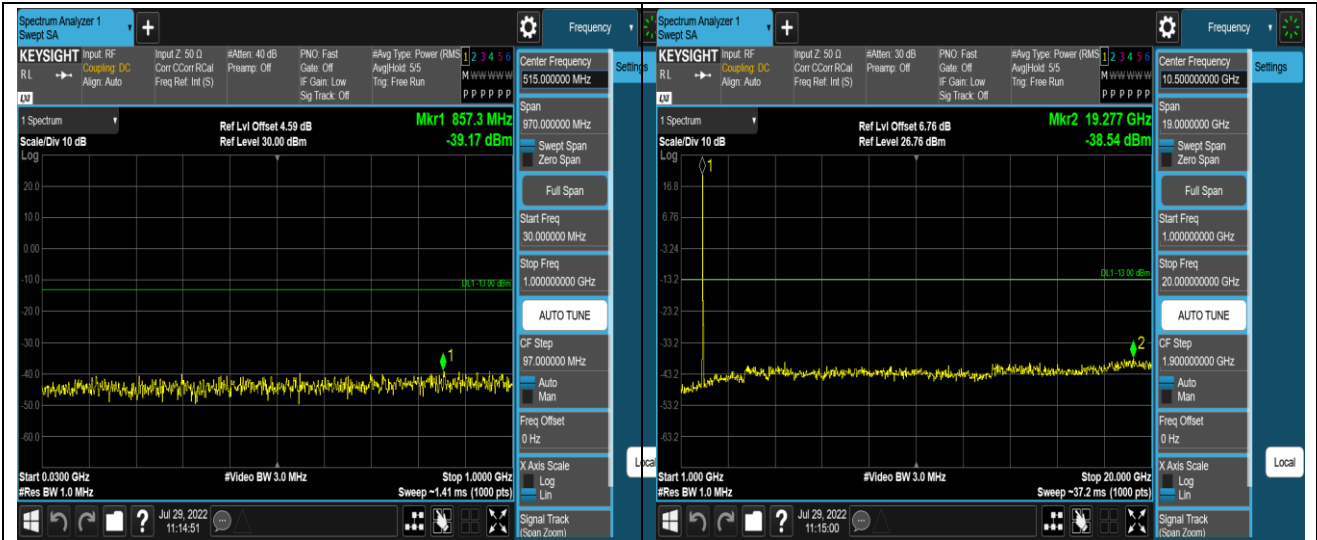


Band2-1.4MHz-16QAM-18900-1RB#0-Range1:30~1000MHz

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

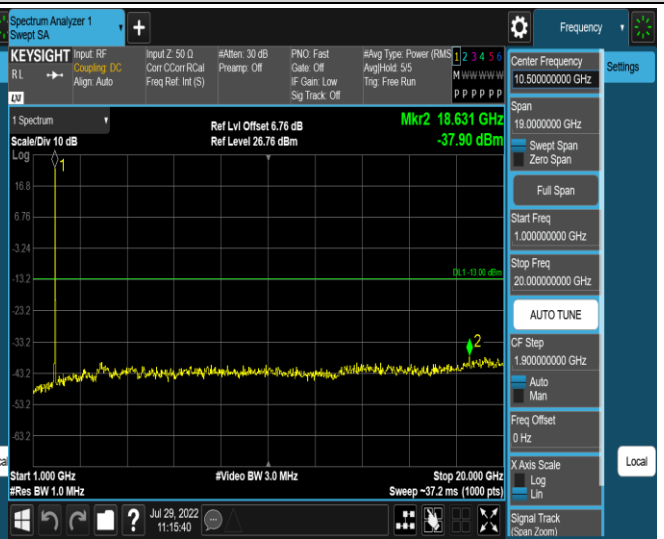
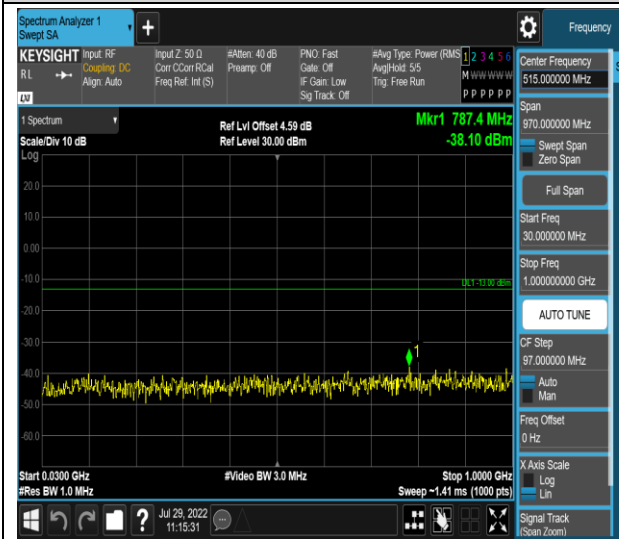






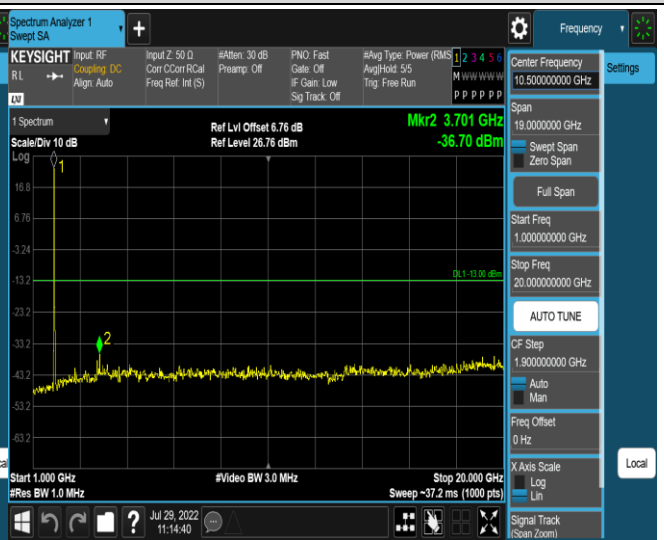
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz

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

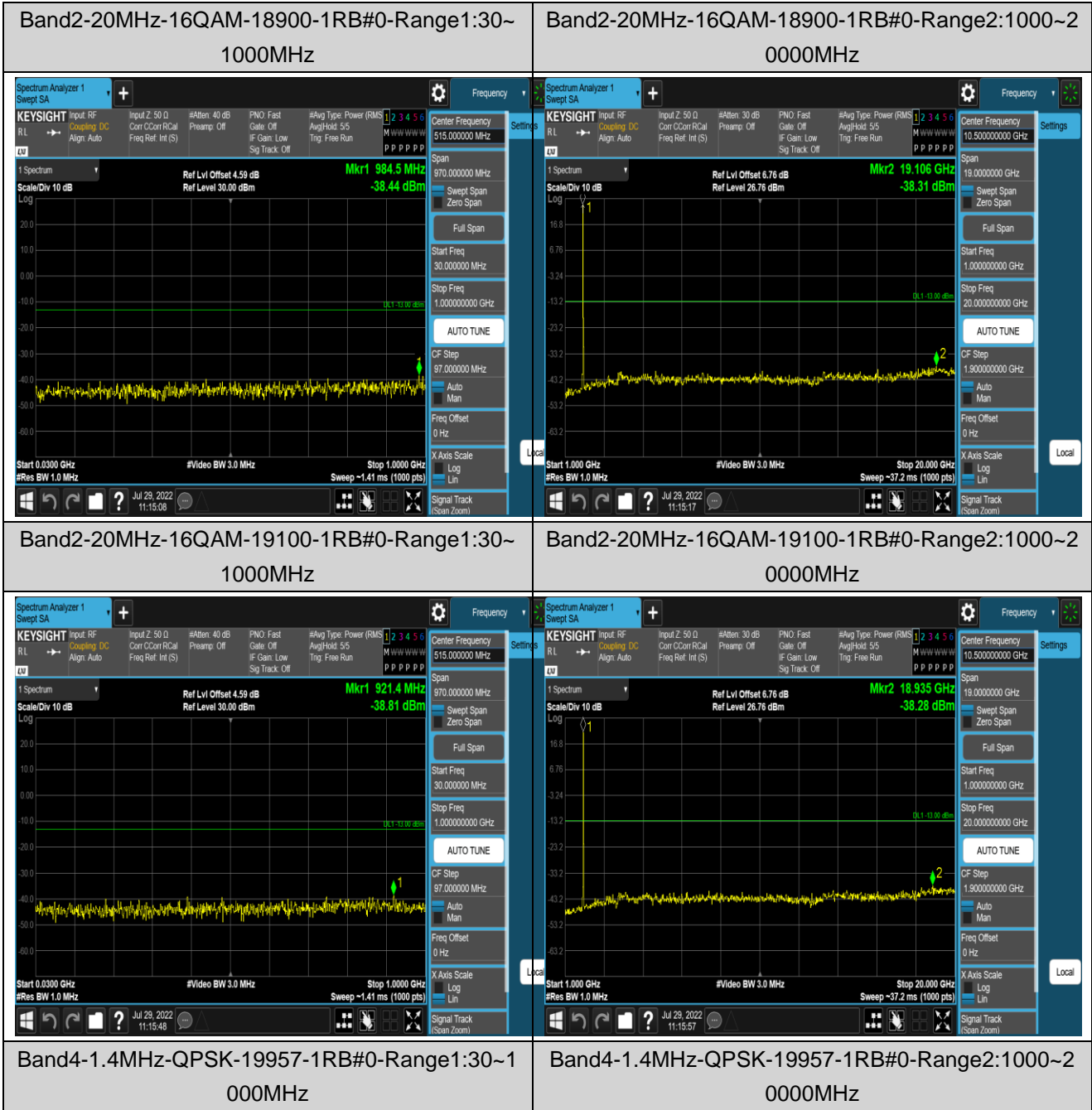


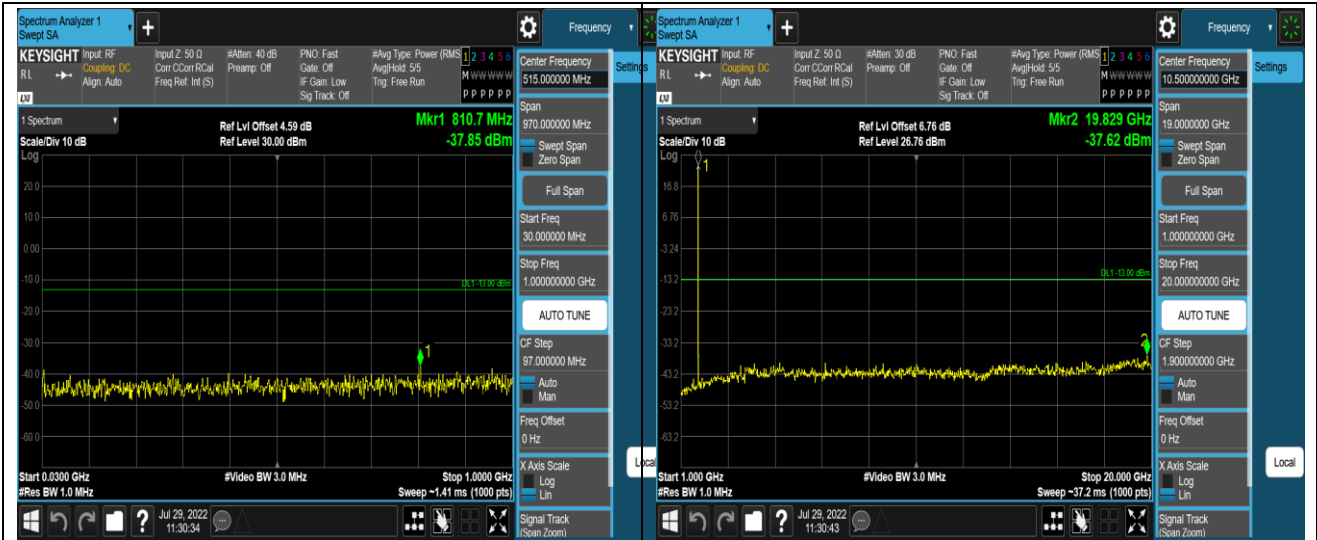
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz

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



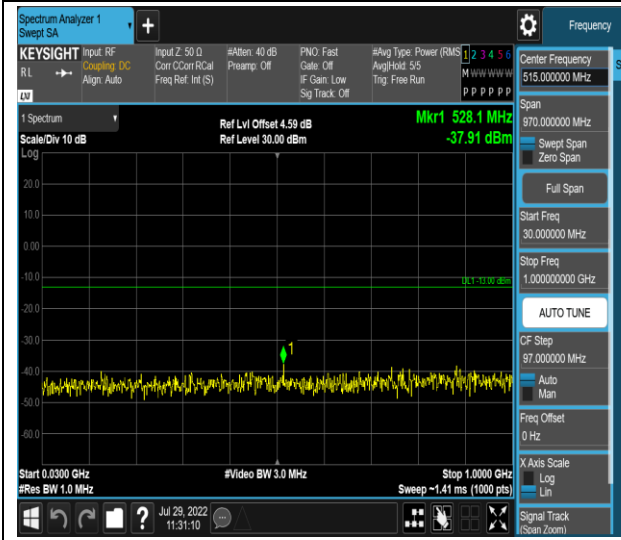






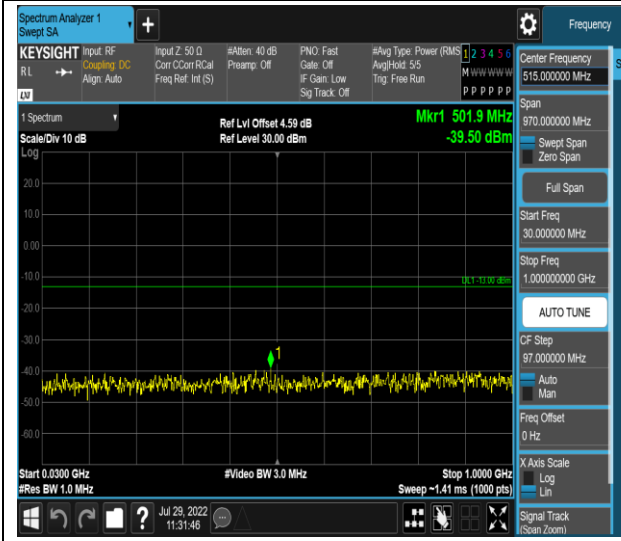
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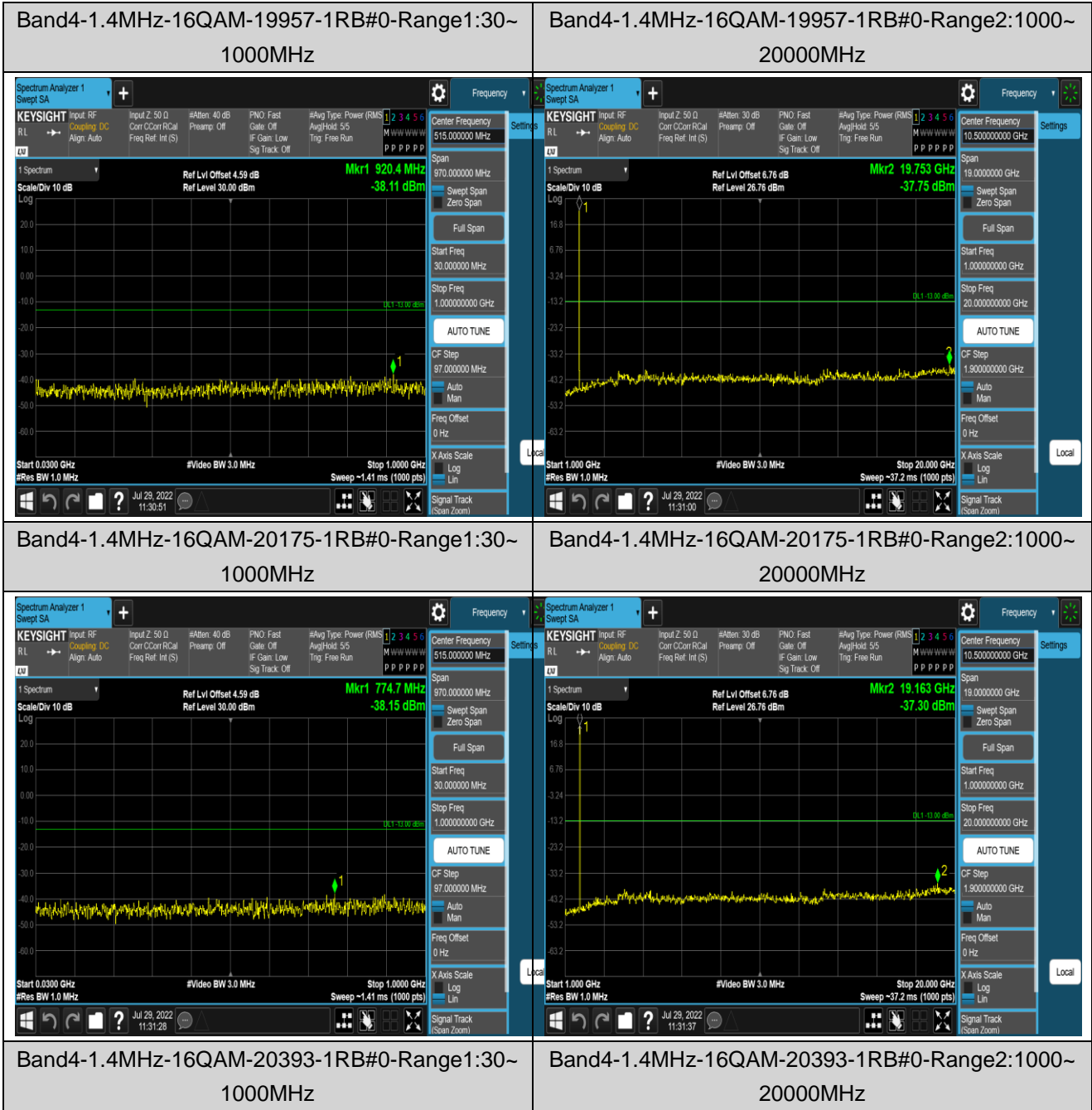
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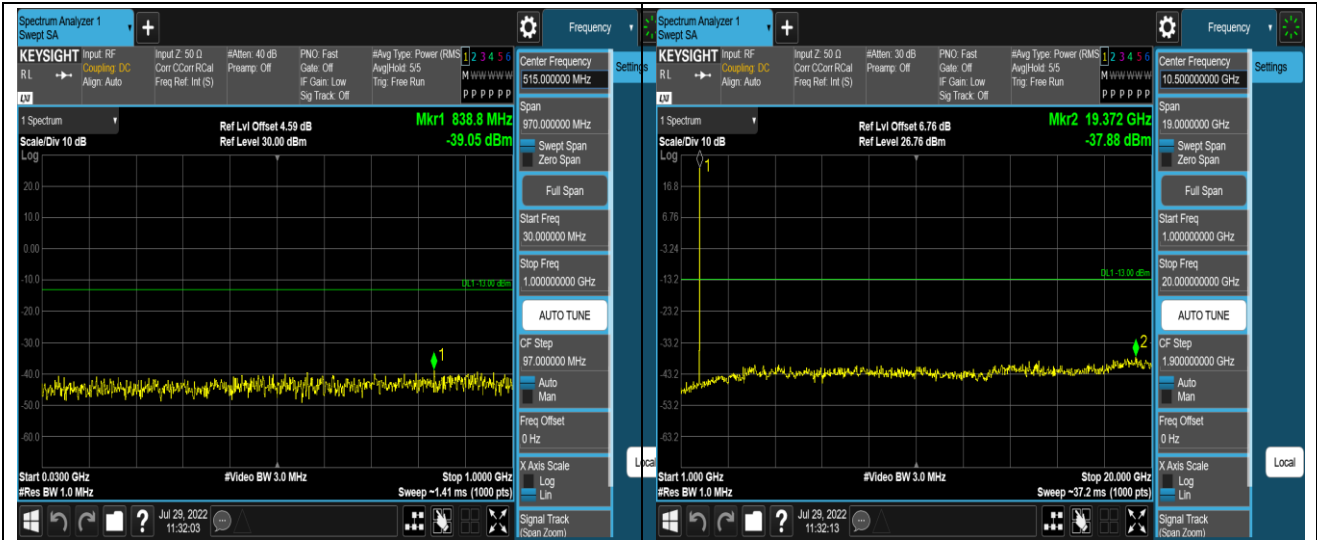


Band4-1.4MHz-QPSK-20393-1RB#0-Range1:30~1000MHz

Band4-1.4MHz-QPSK-20393-1RB#0-Range2:1000~20000MHz

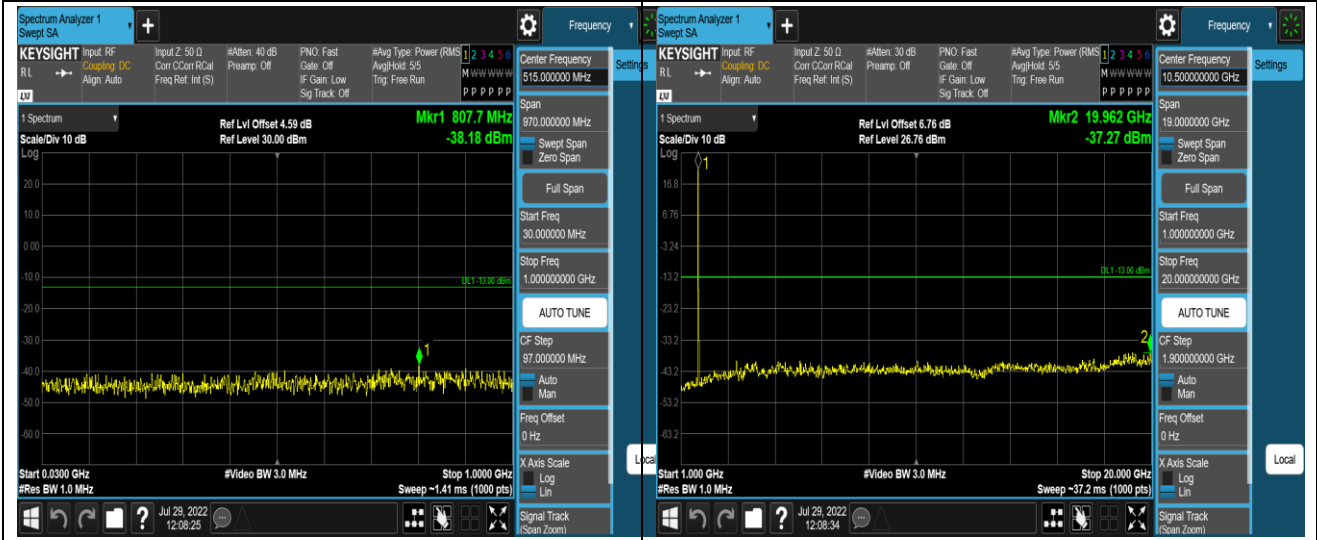






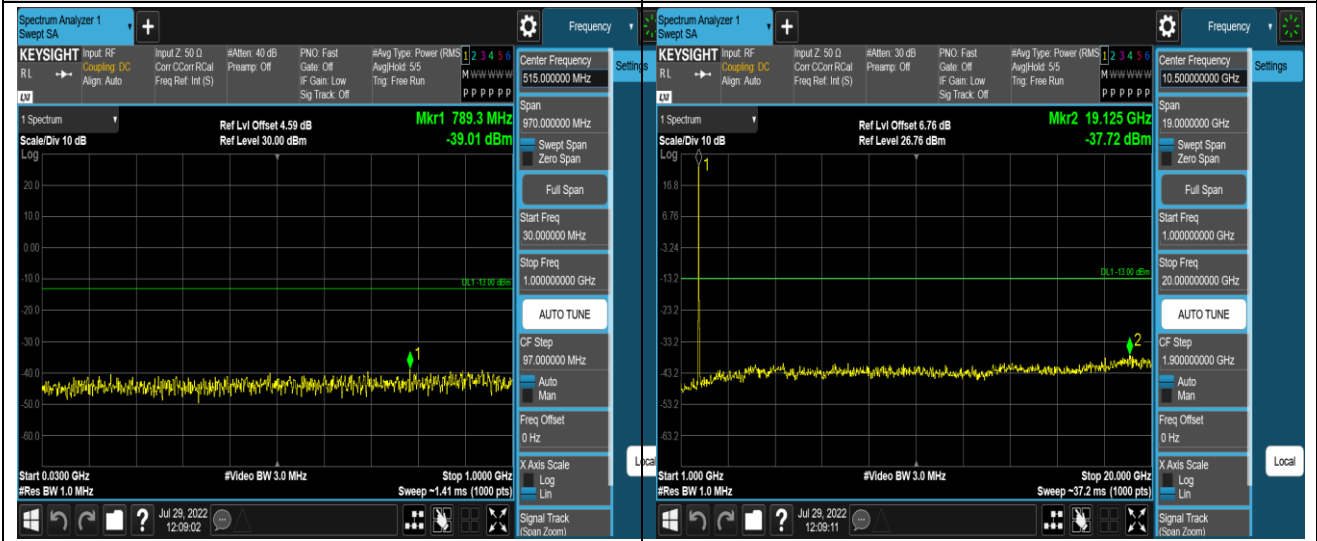
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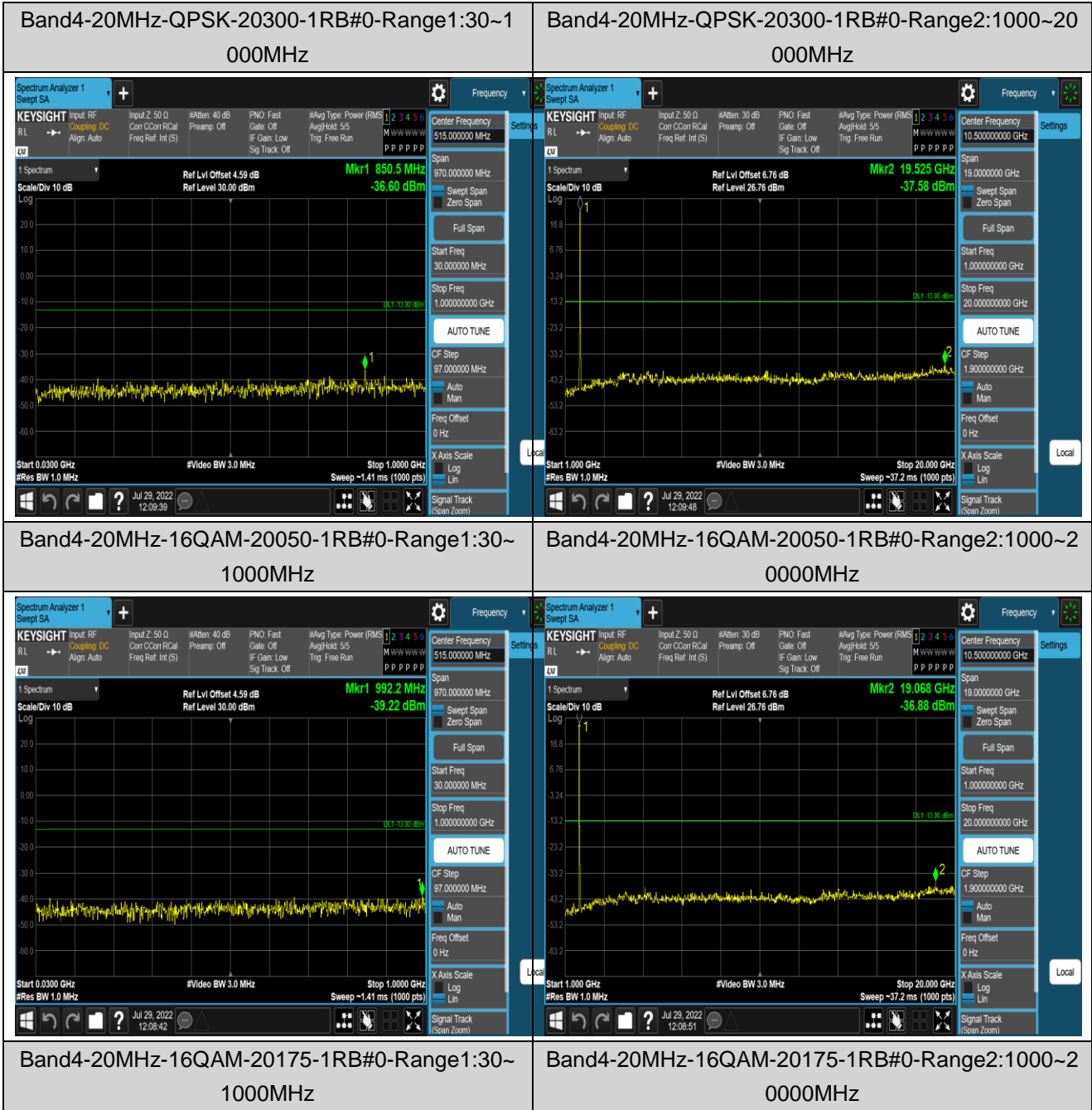
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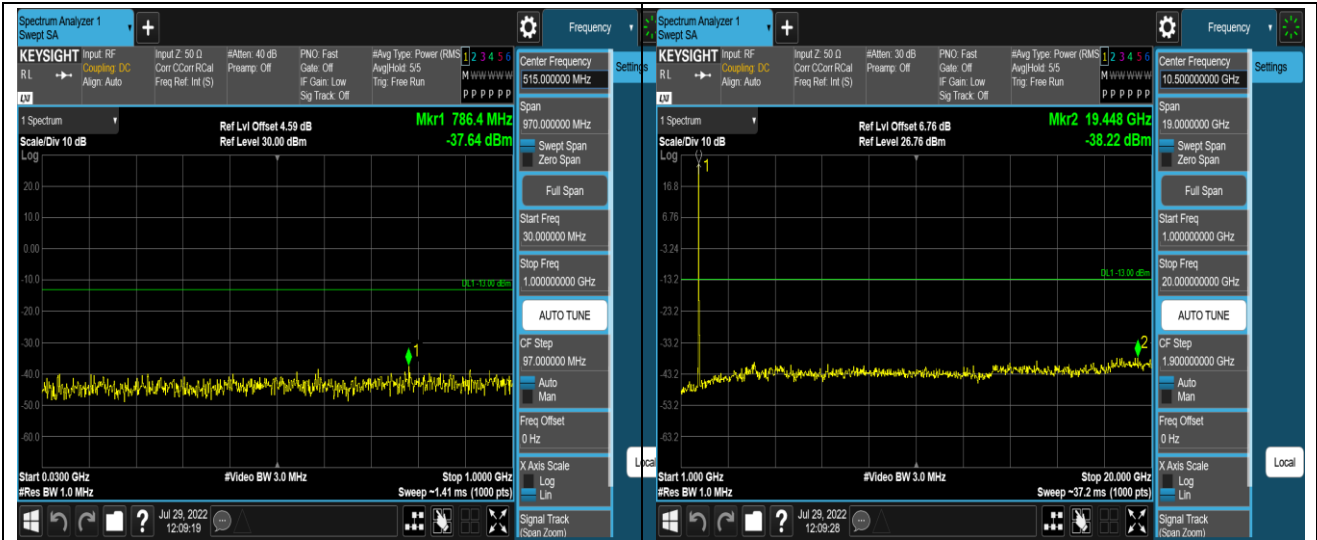


Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz

Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz

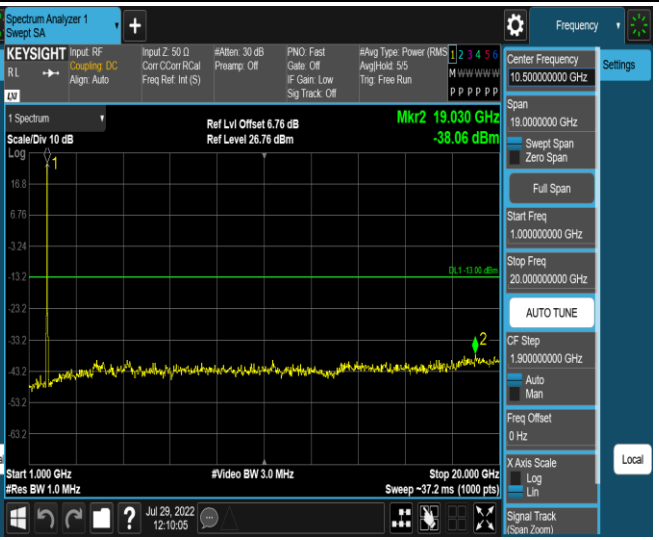
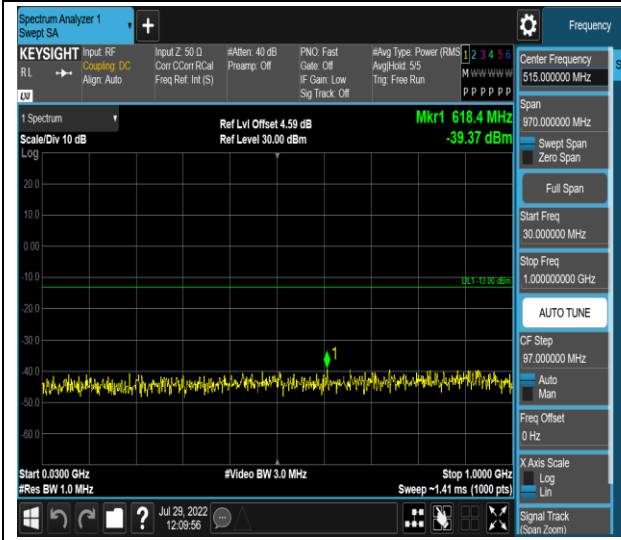






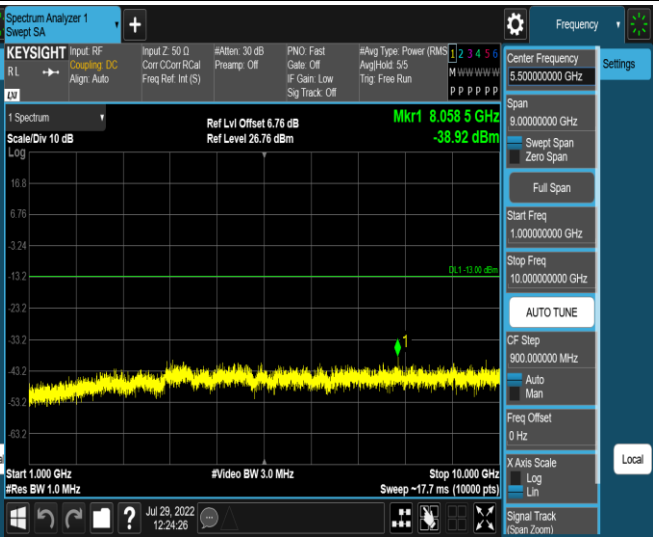
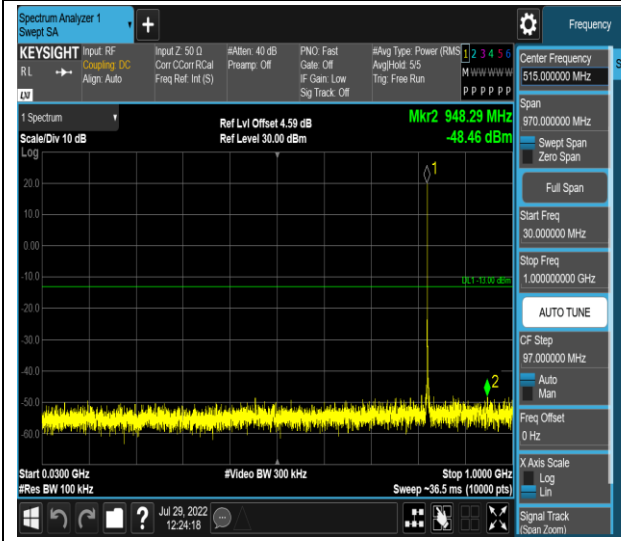
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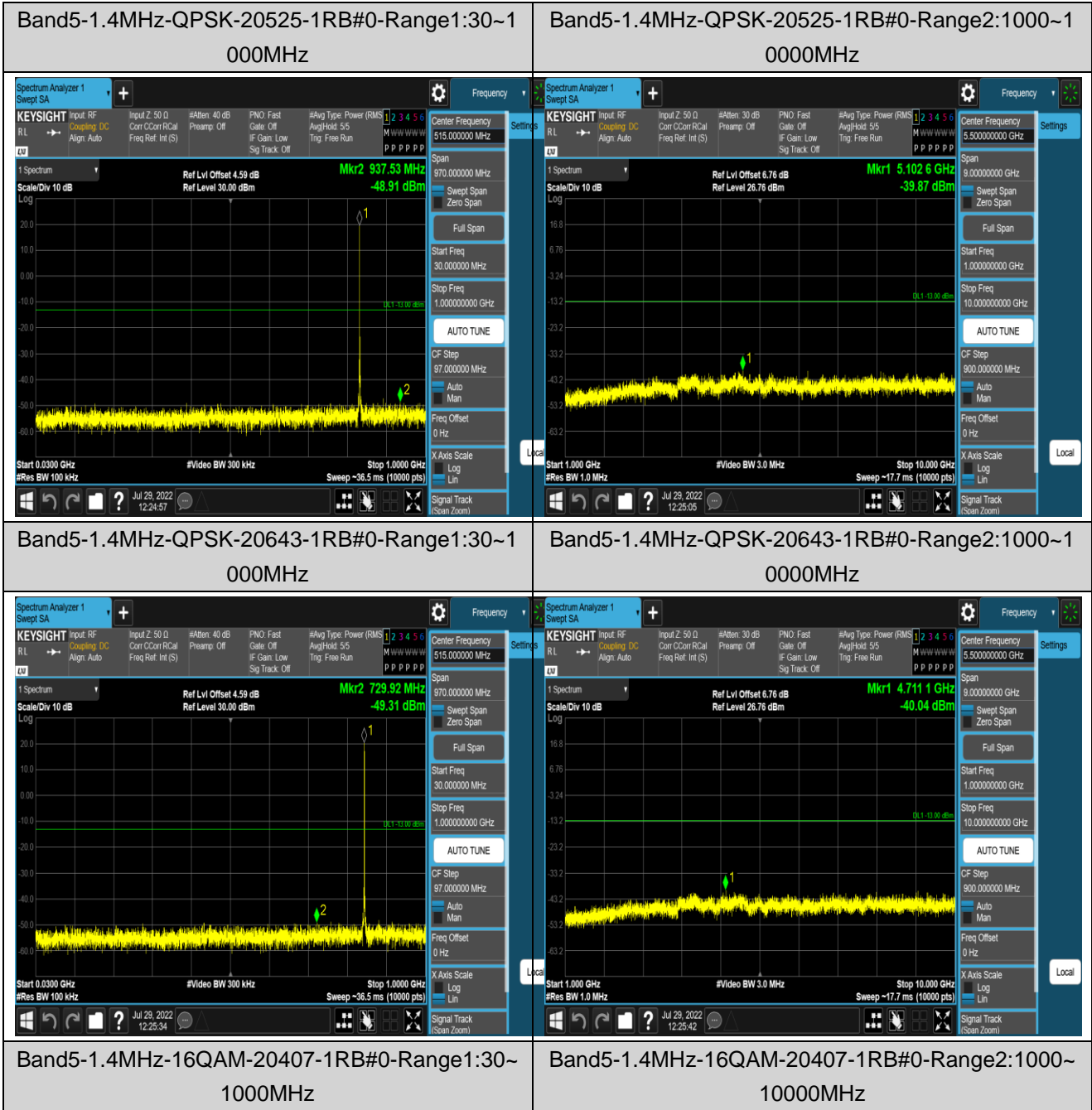
Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz

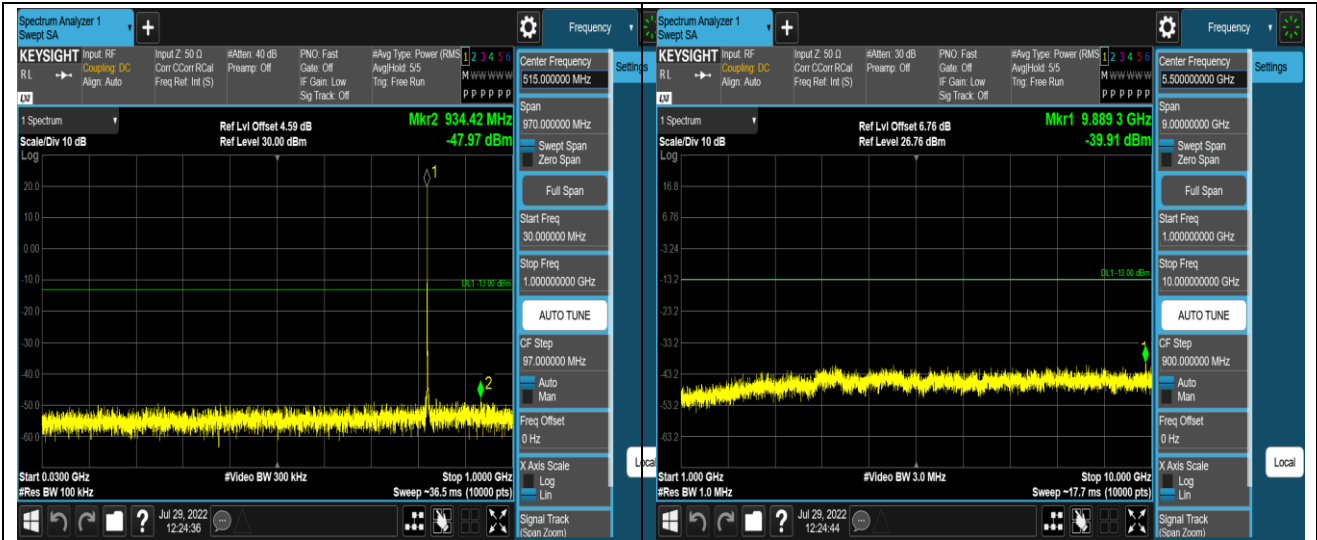


Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz

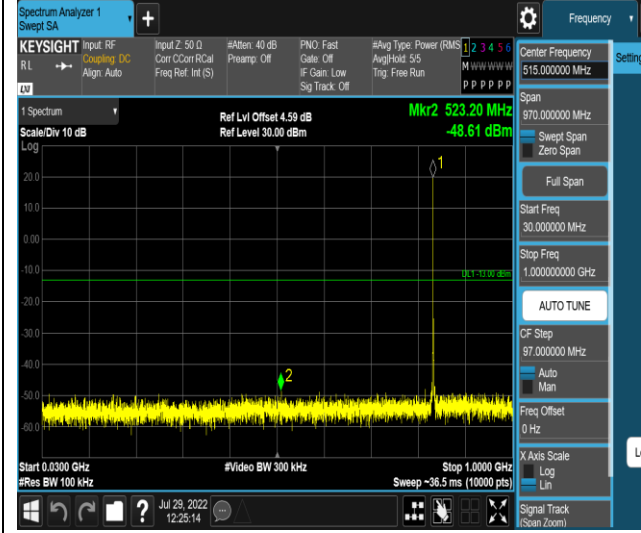






Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz

