

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	-48.09	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-38.92	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-47.56	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.46	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-48.19	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-38.07	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-48.11	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-38.09	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-48.19	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-39.06	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-48.28	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-38.46	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-47.61	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-38.69	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-47.67	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-38.72	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-48.11	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-38.8	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-47.7	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-37.8	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-47.33	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-39.16	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-47.56	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-38.68	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-47.65	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-38.32	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-47	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-38.28	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-47.79	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-38.7	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-47.87	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-38.49	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-48.15	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-38.72	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-47.47	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-38.44	PASS

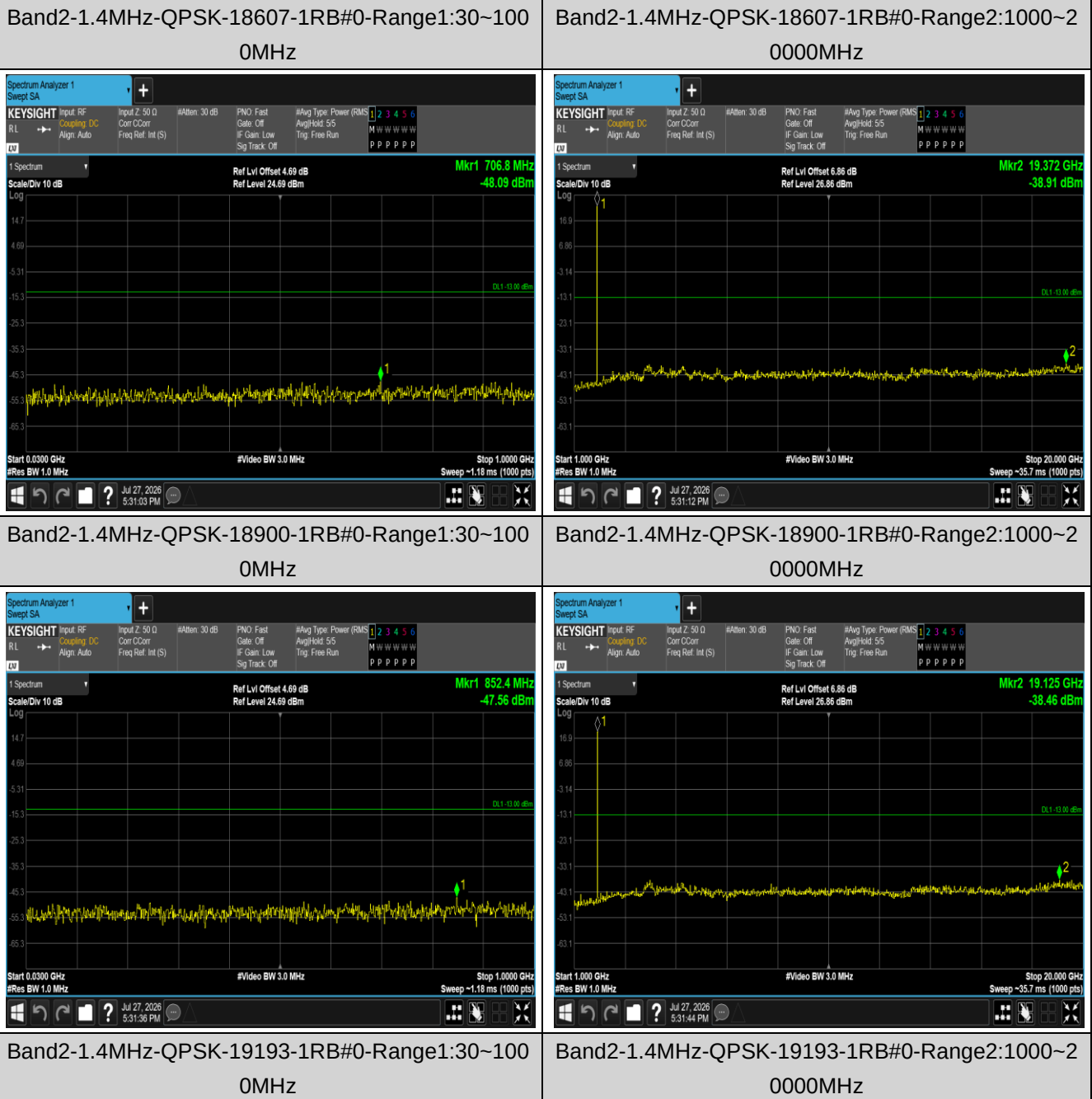
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-47.9	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-38.09	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-46.53	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-38.79	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-47.79	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-39.34	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-48.6	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-37.97	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-48.54	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-38.91	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-47.6	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-39.53	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-47.35	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-38.46	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.07	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-38.12	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-47.44	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-38.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-47.82	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-38.99	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-47.48	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-38.89	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-47.72	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-39.03	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-47.18	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-38.33	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-47.54	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-39.32	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-47.29	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-39.04	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-47.33	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-39.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-47.6	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-39.58	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-47.71	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-38.86	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-47.25	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~26500MHz	-35.53	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-47.88	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-35.86	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-47.47	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~26500MHz	-35.27	PASS

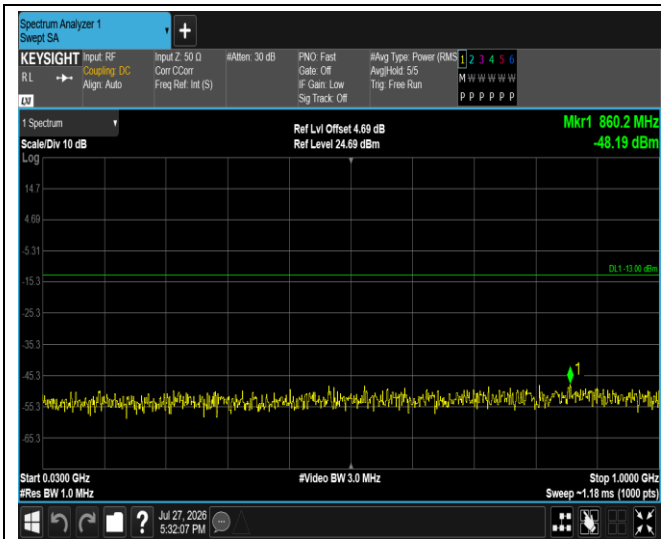
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Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-35.74	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-46.54	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~26500MHz	-35.78	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-48.2	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~26500MHz	-34.94	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-48.6	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~26500MHz	-36.17	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-48.04	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~26500MHz	-35.42	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-47.79	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~26500MHz	-35.33	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-47.31	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~26500MHz	-36.35	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-48.01	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~26500MHz	-34.38	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-47.17	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-38.93	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.34	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-39.1	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-46.89	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-38.39	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-47.04	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-38.98	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-47.18	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-39.15	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-47.37	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-38.27	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-46.44	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-39.21	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-46.82	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-39.01	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-45.68	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-37.93	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-46.68	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-38.18	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-46.47	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-39.47	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-46.57	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-36.24	PASS

Band17	5MHz	QPSK	23755	1RB#0	Range1:30~1000MHz	-47.1	PASS
Band17	5MHz	QPSK	23755	1RB#0	Range2:1000~10000MHz	-38.46	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-47.09	PASS
Band17	5MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-39.05	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range1:30~1000MHz	-45.44	PASS
Band17	5MHz	QPSK	23825	1RB#0	Range2:1000~10000MHz	-38.16	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range1:30~1000MHz	-46.65	PASS
Band17	5MHz	16QAM	23755	1RB#0	Range2:1000~10000MHz	-39.47	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-46.91	PASS
Band17	5MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-39.46	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range1:30~1000MHz	-46.67	PASS
Band17	5MHz	16QAM	23825	1RB#0	Range2:1000~10000MHz	-38.53	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range1:30~1000MHz	-46.92	PASS
Band17	10MHz	QPSK	23780	1RB#0	Range2:1000~10000MHz	-39.28	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range1:30~1000MHz	-47.09	PASS
Band17	10MHz	QPSK	23790	1RB#0	Range2:1000~10000MHz	-38.02	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range1:30~1000MHz	-46.87	PASS
Band17	10MHz	QPSK	23800	1RB#0	Range2:1000~10000MHz	-38.56	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range1:30~1000MHz	-46.14	PASS
Band17	10MHz	16QAM	23780	1RB#0	Range2:1000~10000MHz	-39.63	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range1:30~1000MHz	-46.52	PASS
Band17	10MHz	16QAM	23790	1RB#0	Range2:1000~10000MHz	-39.68	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range1:30~1000MHz	-47.21	PASS
Band17	10MHz	16QAM	23800	1RB#0	Range2:1000~10000MHz	-38.45	PASS

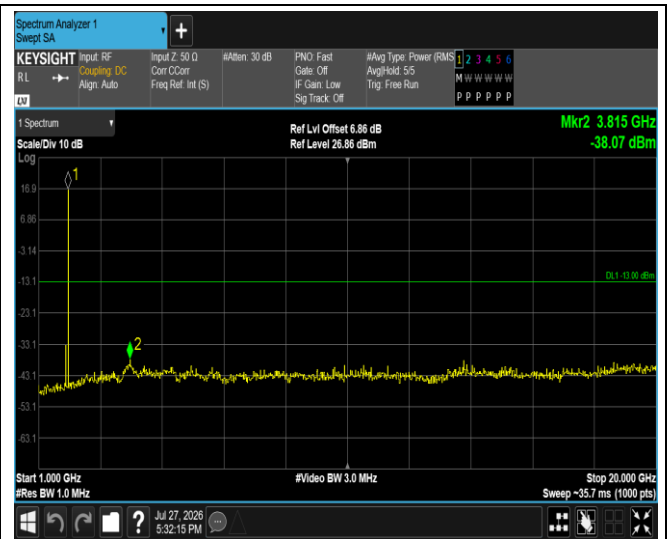
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

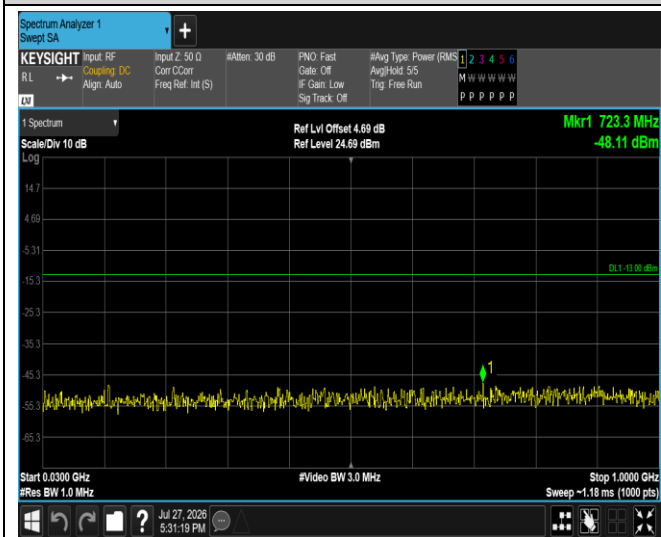




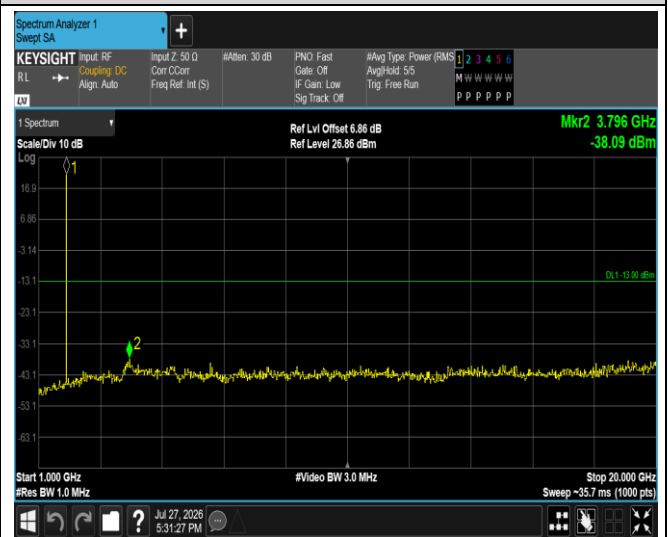
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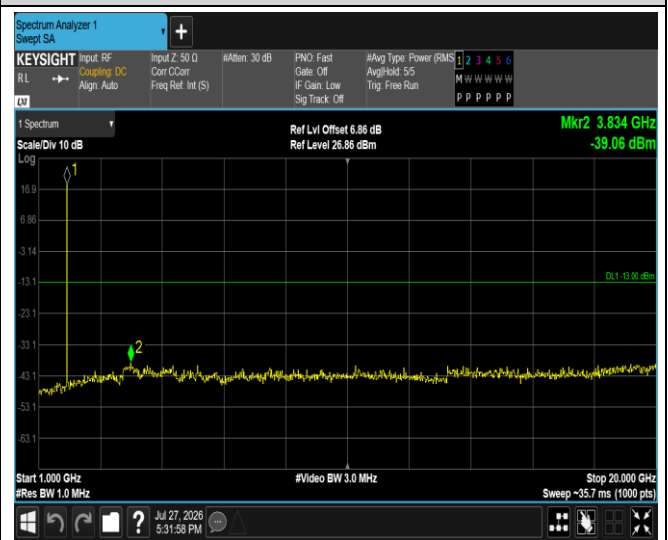
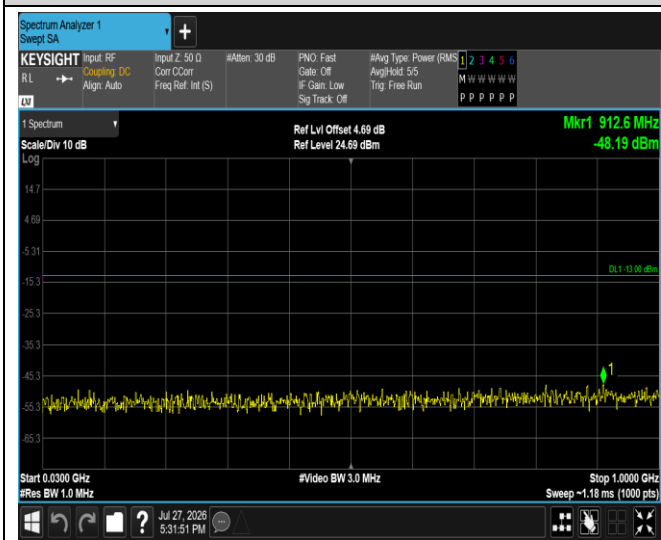
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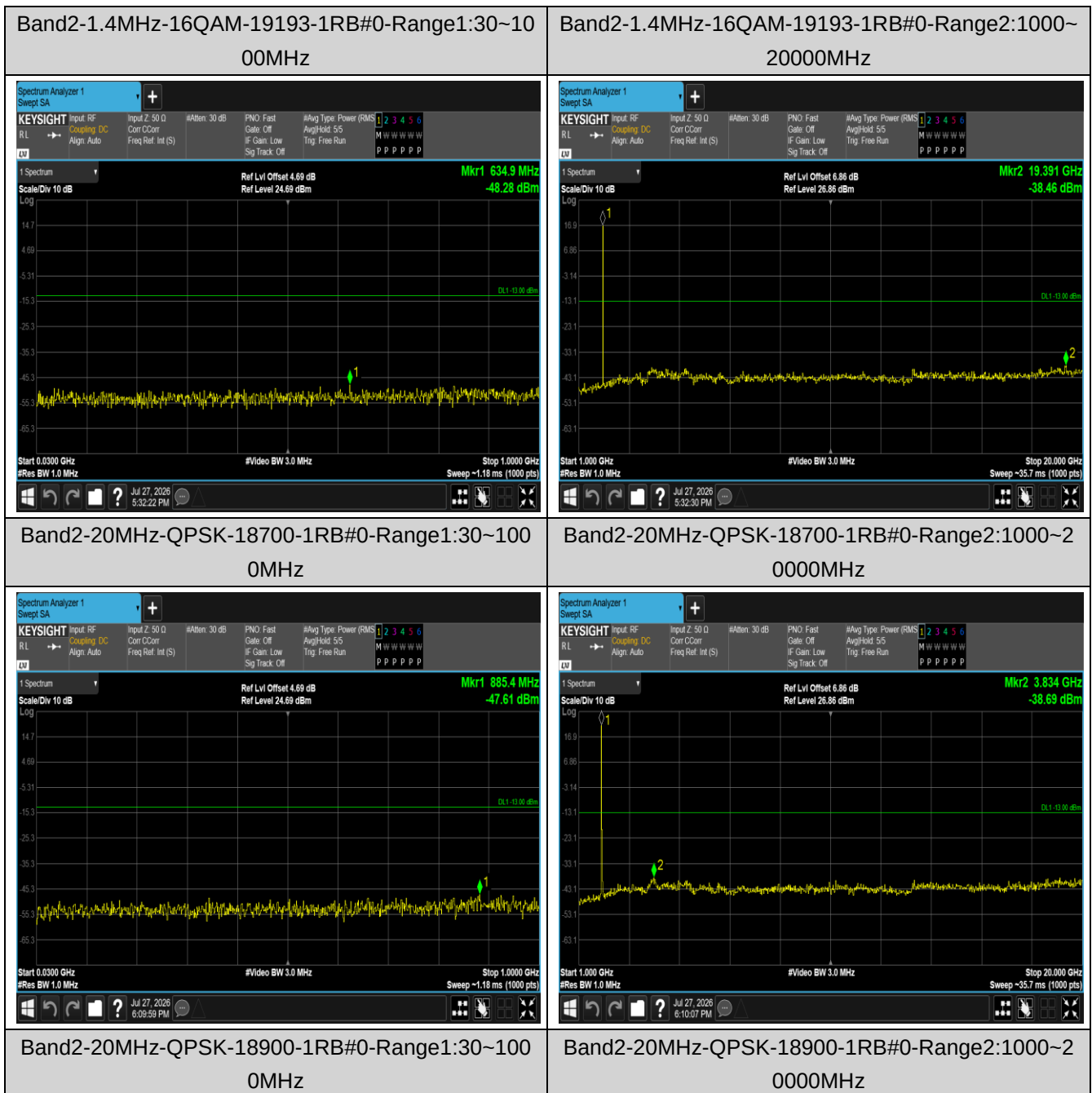


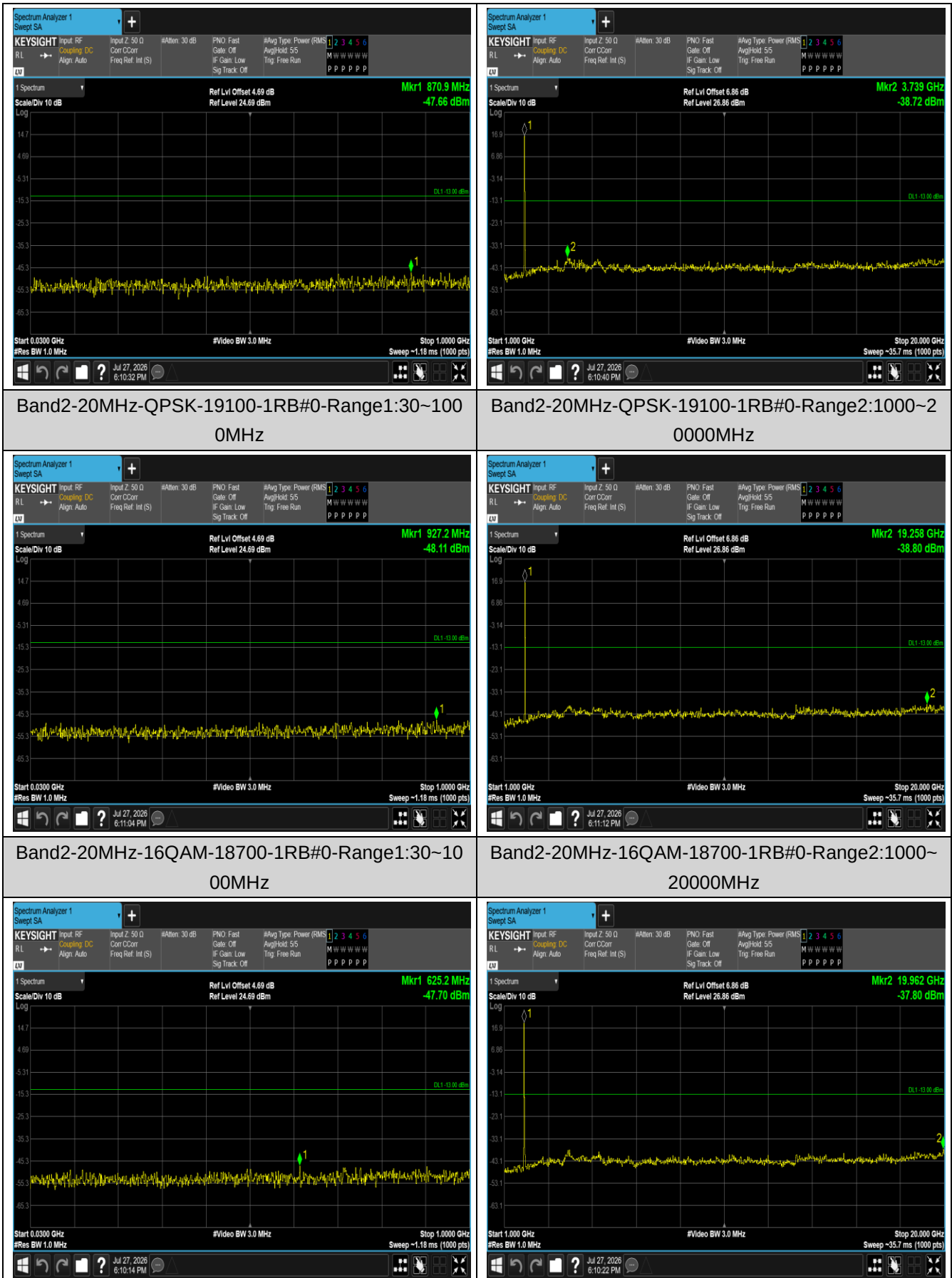
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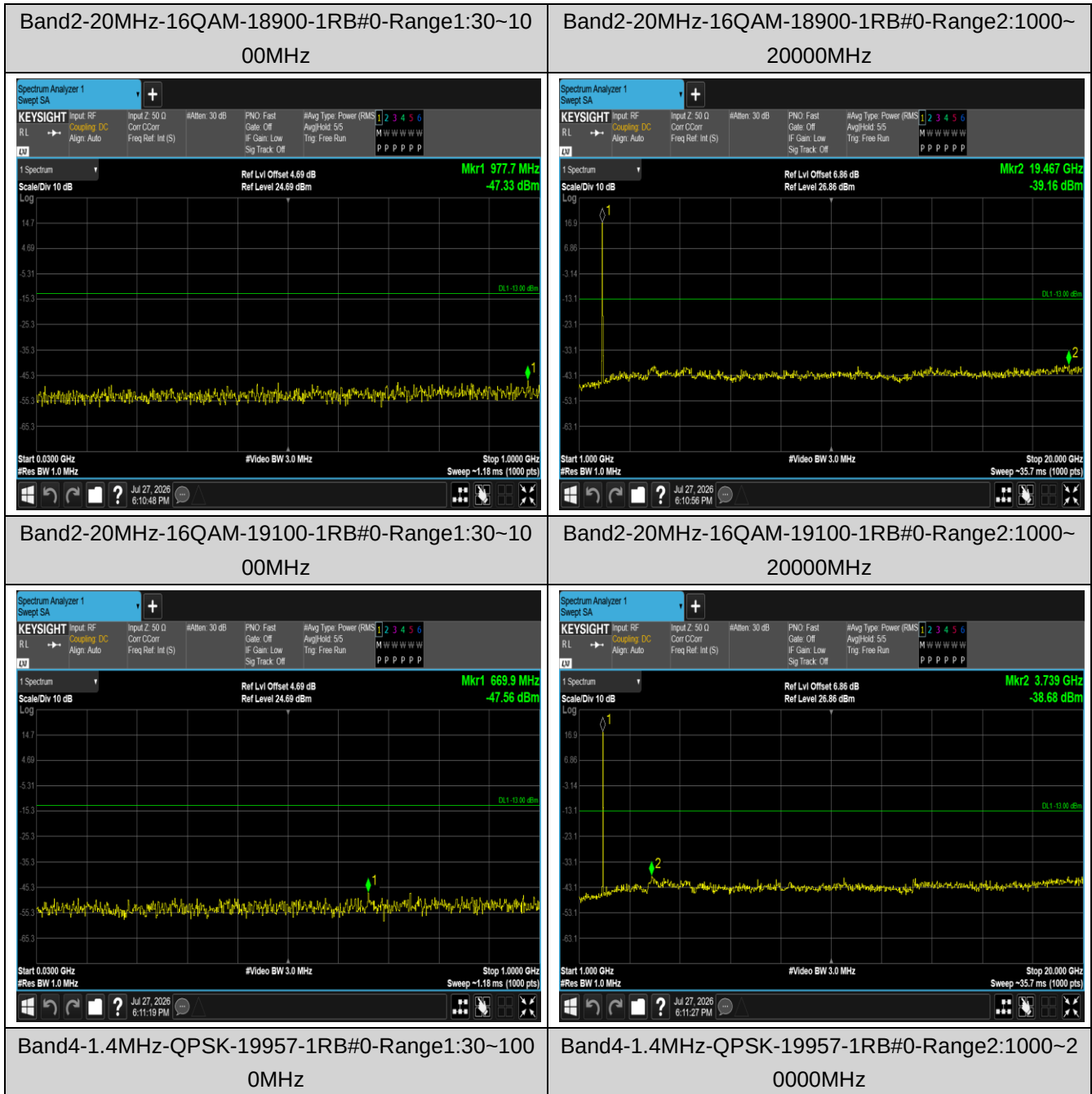


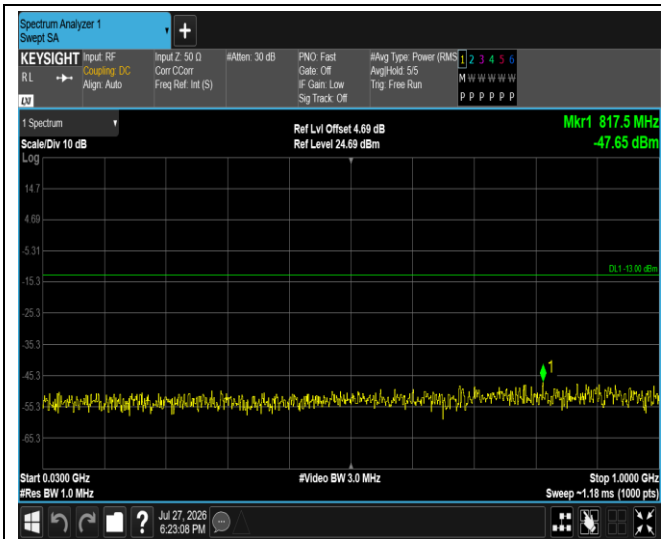
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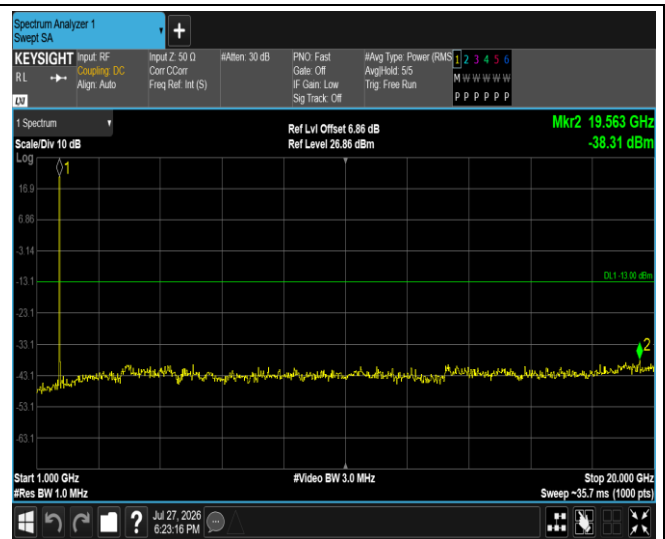








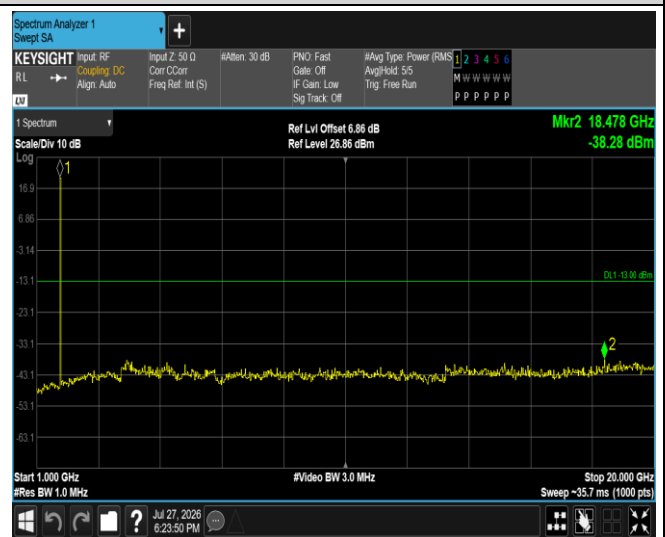
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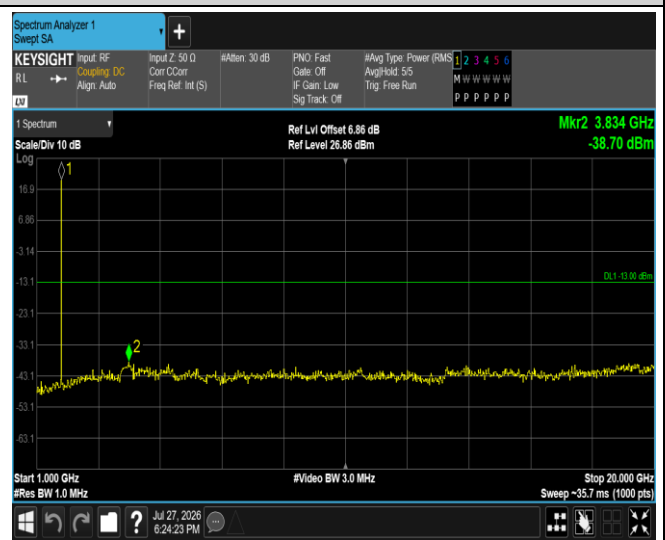
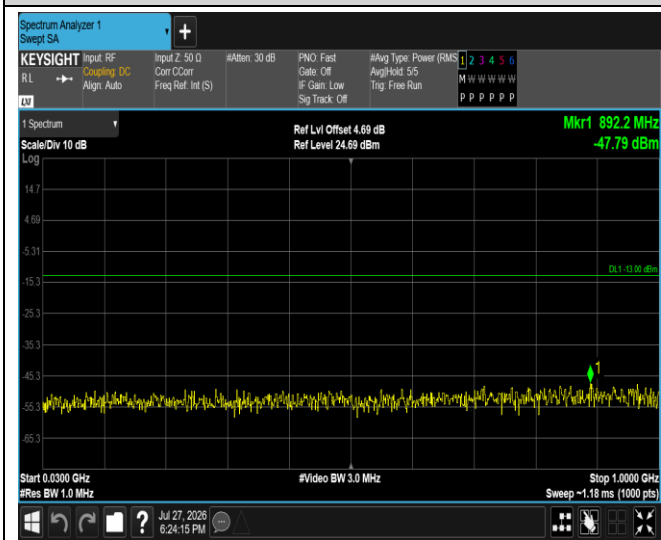
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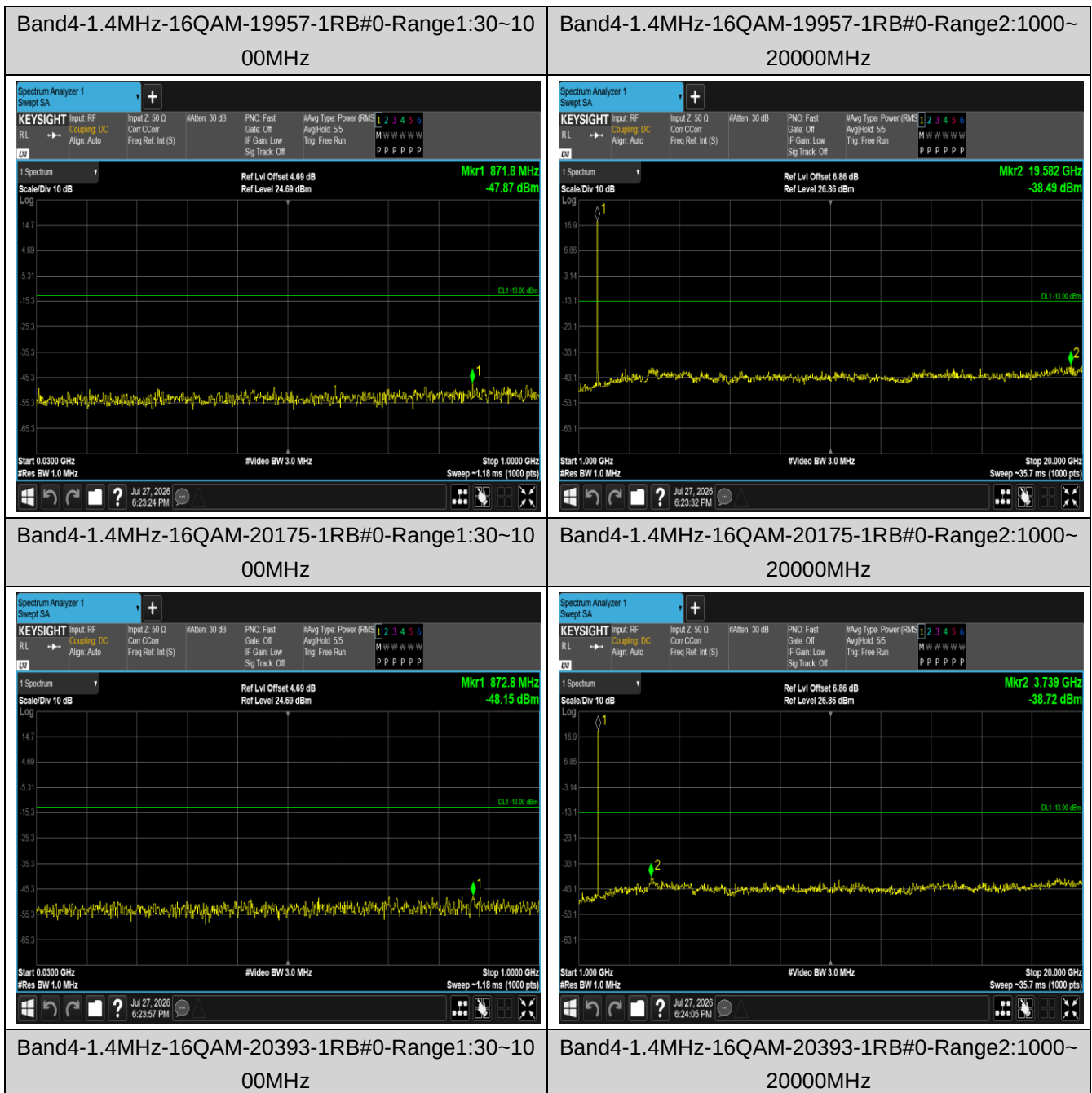


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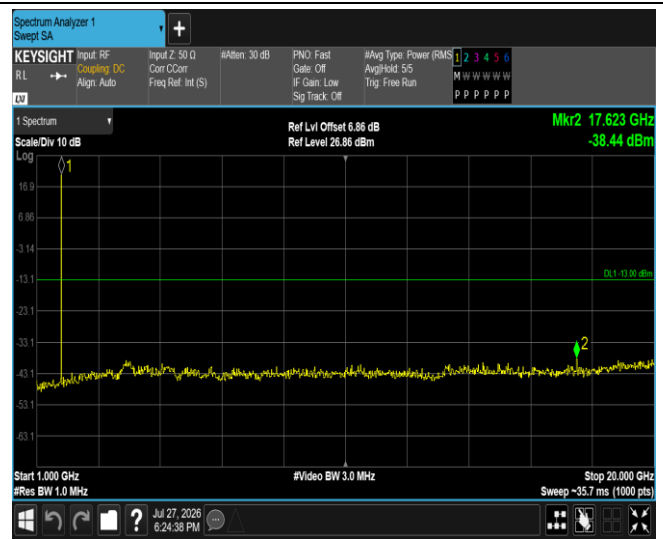
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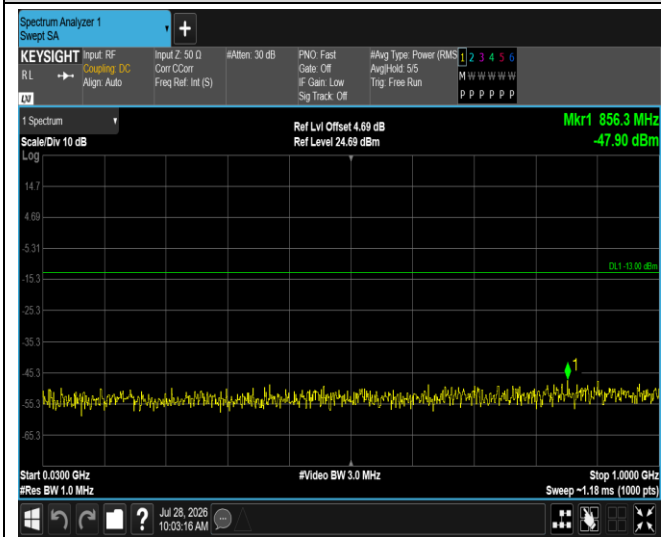




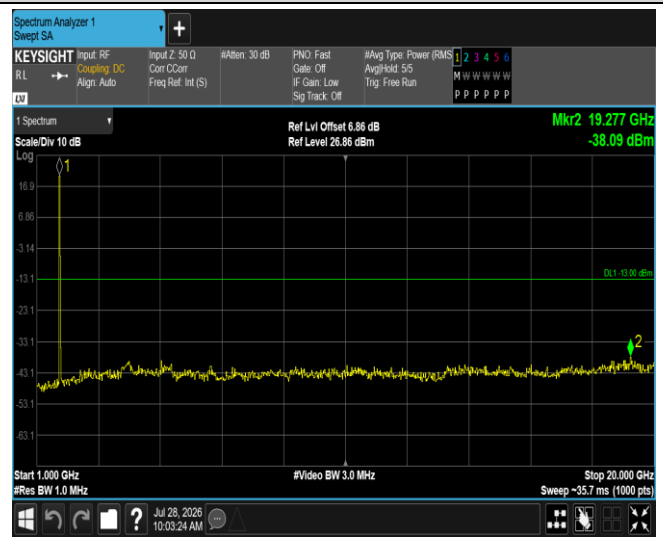
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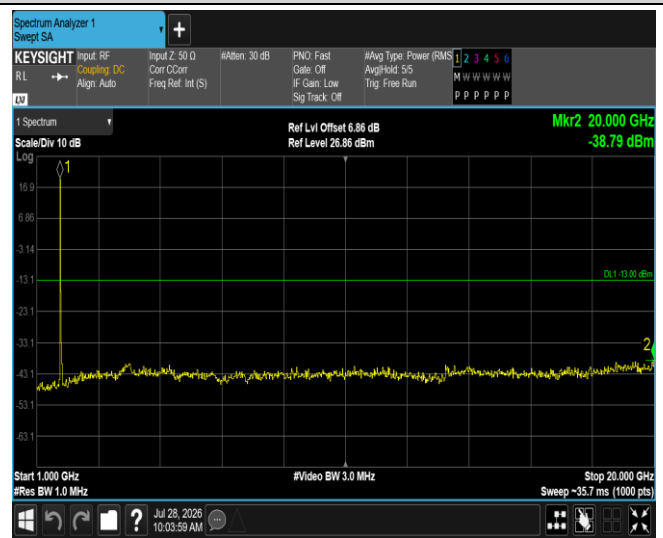
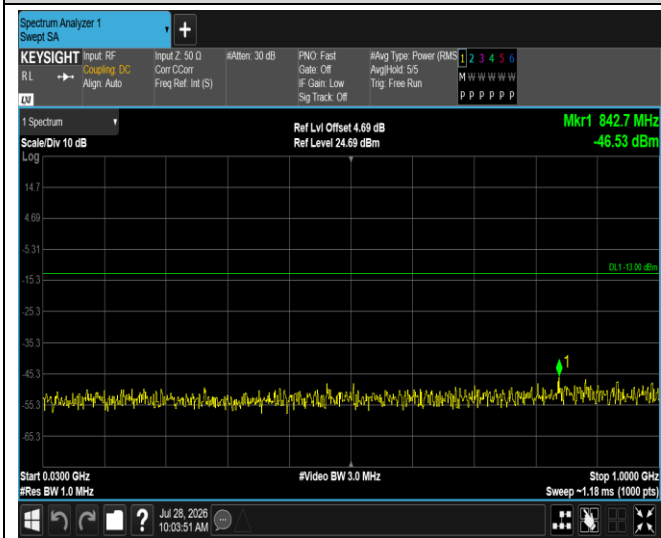
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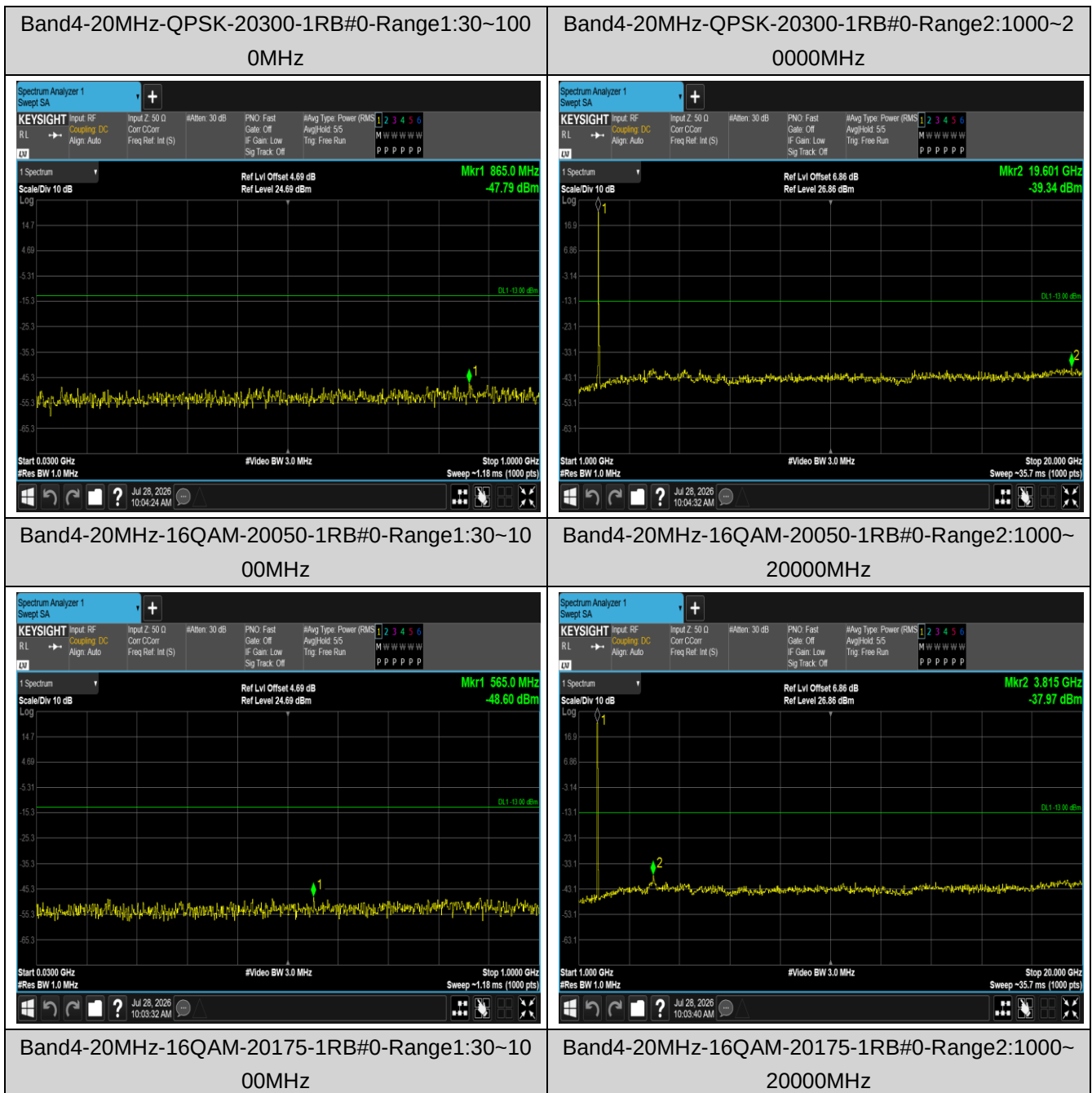


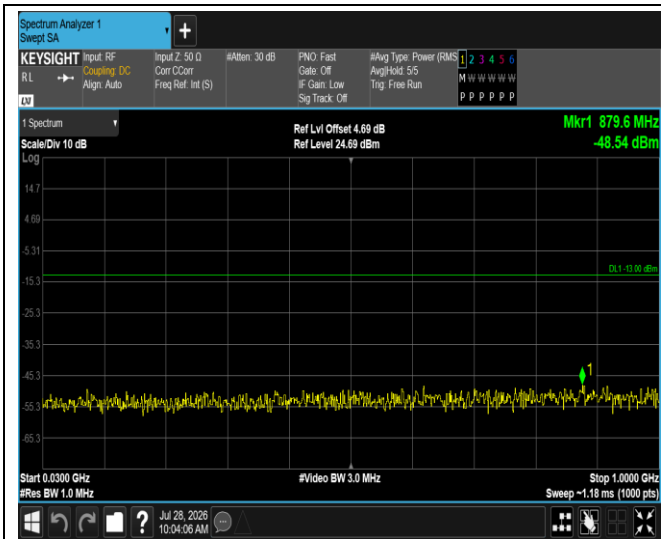
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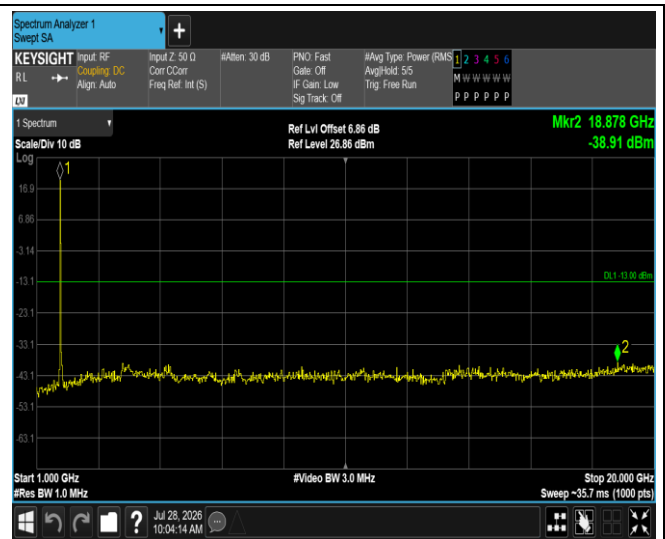
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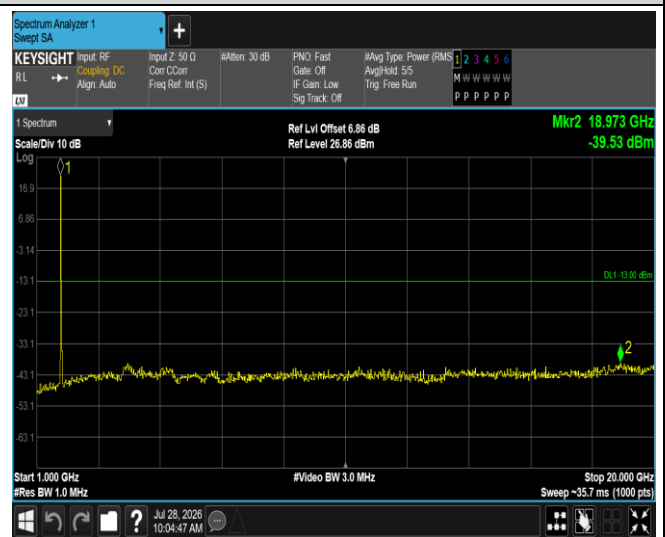
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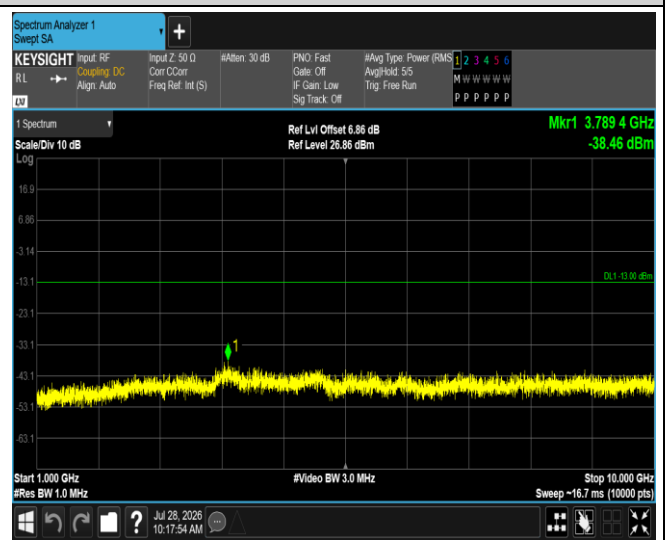
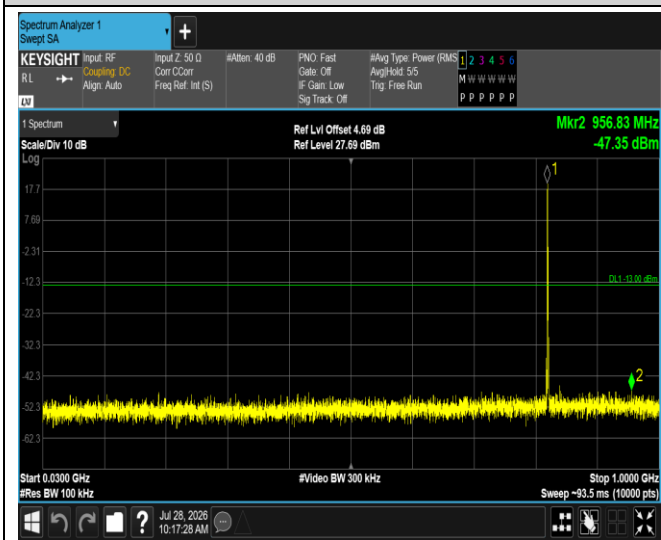
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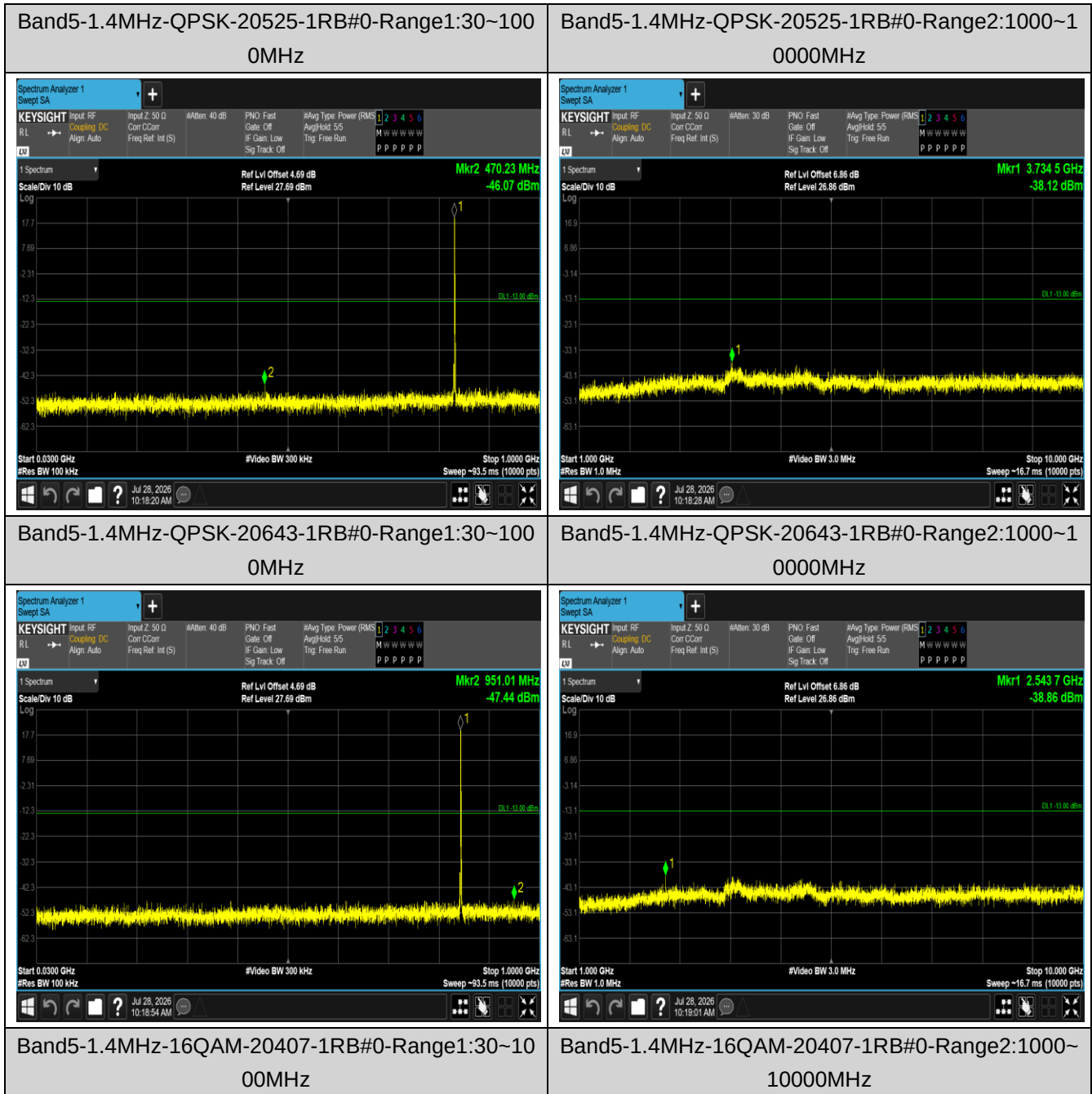


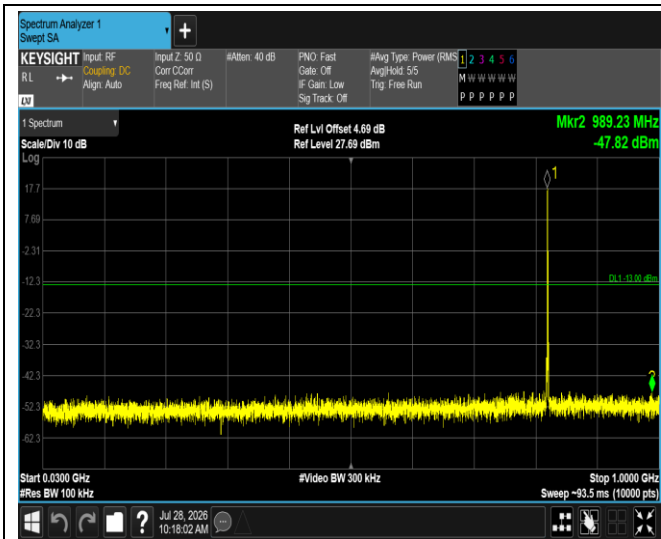
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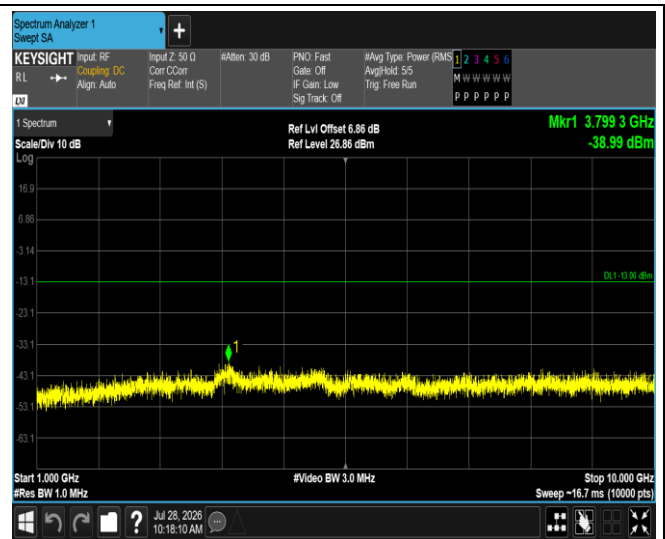
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz



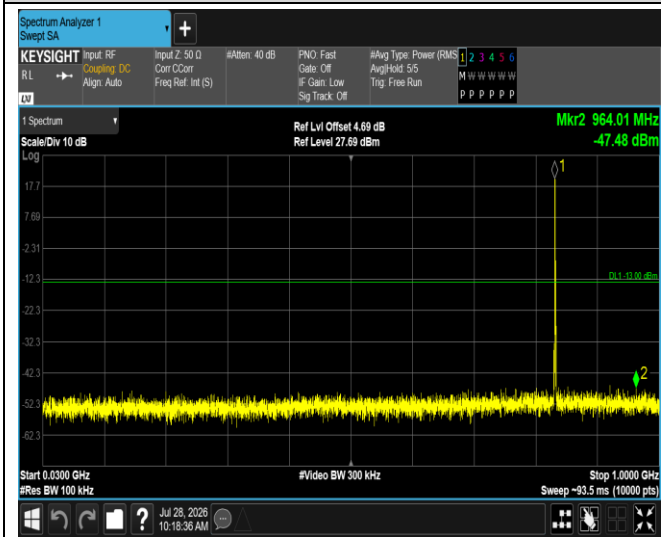




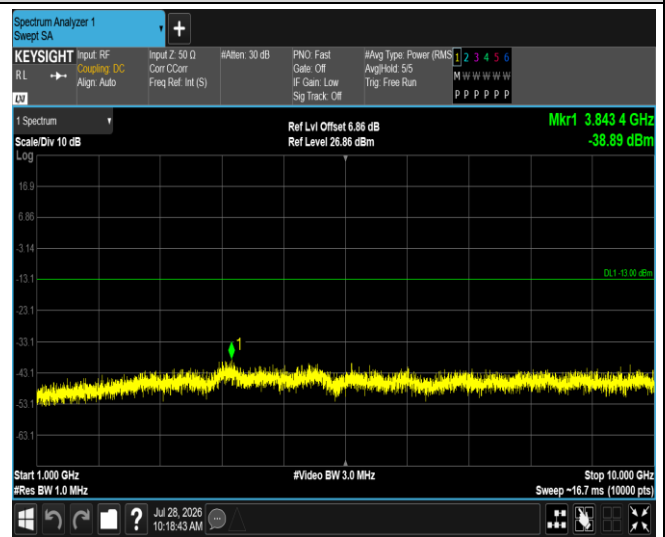
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



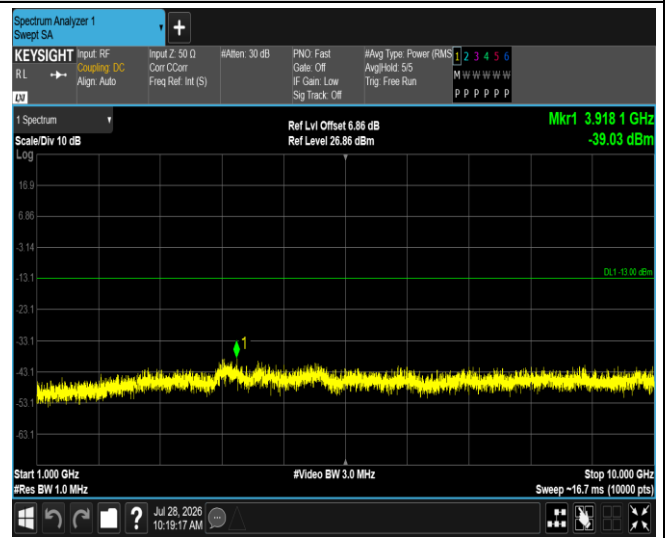
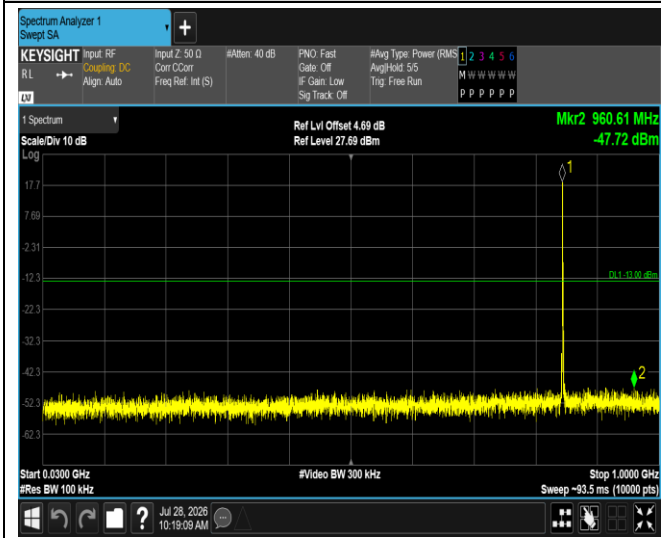
Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz

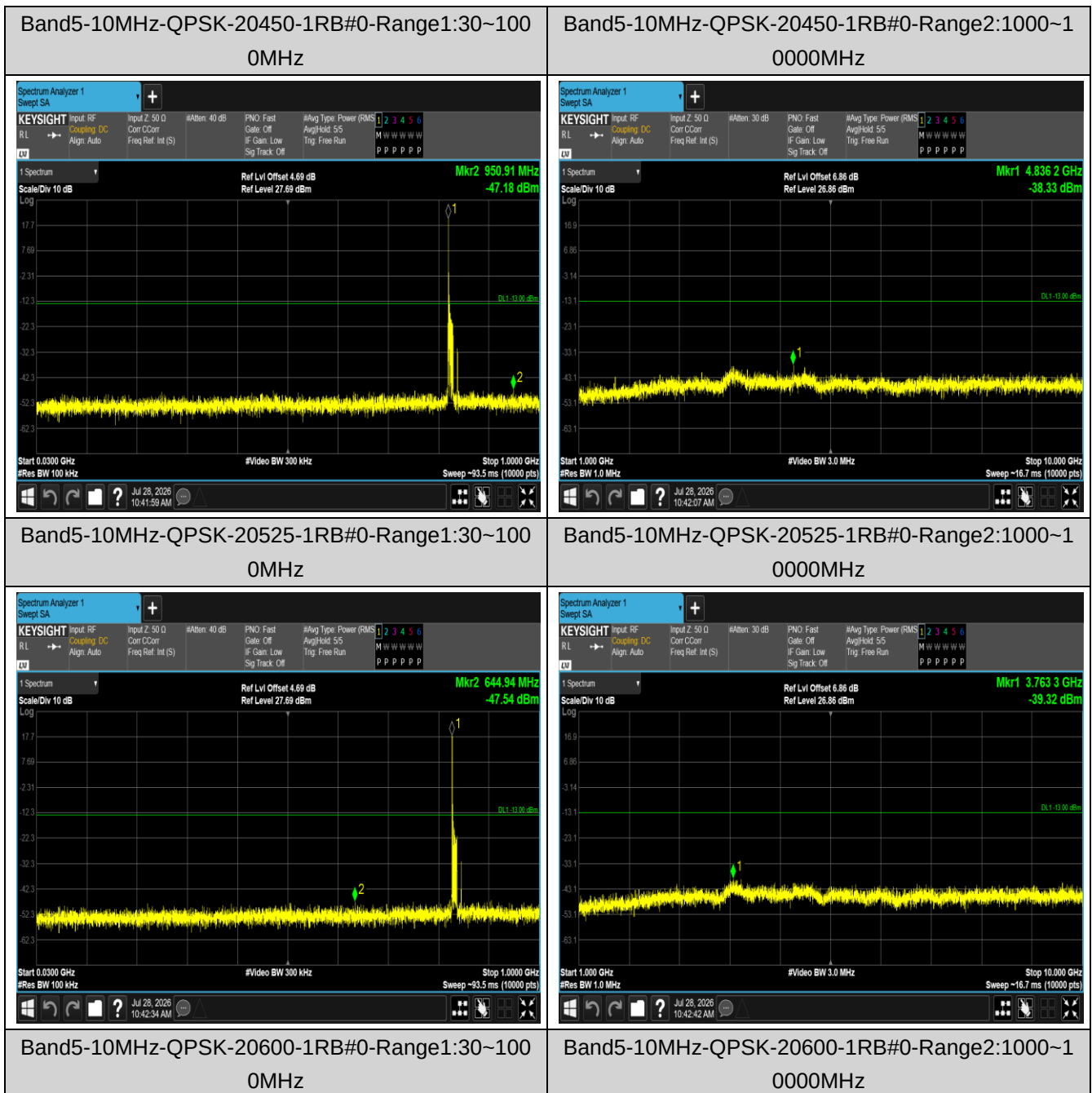


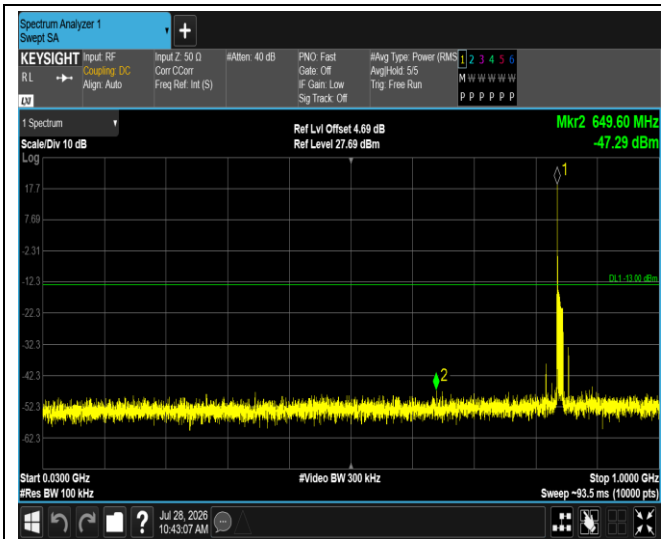
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz



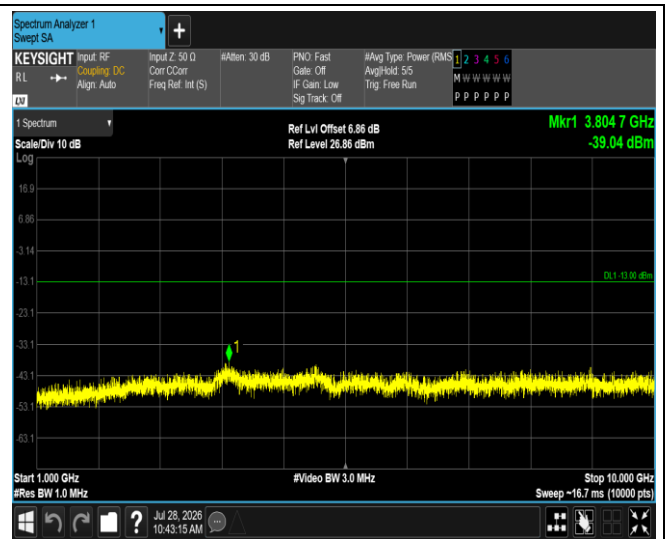
Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz



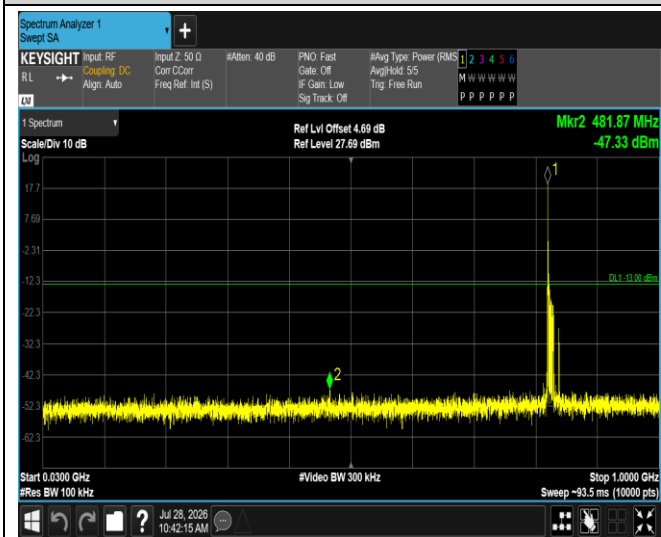




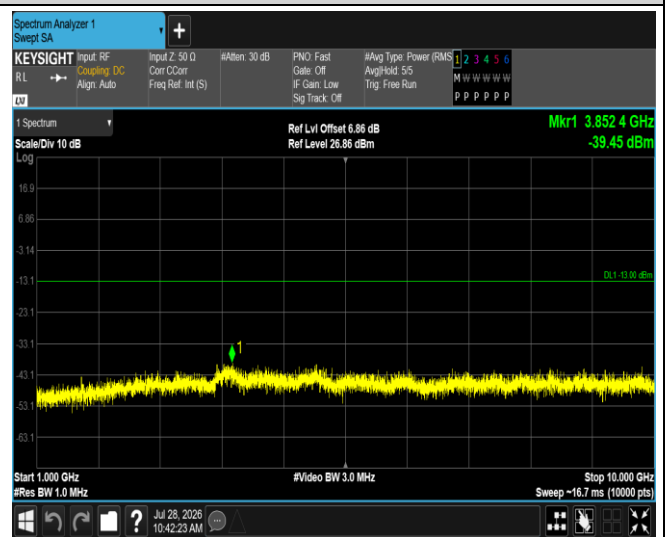
Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz

