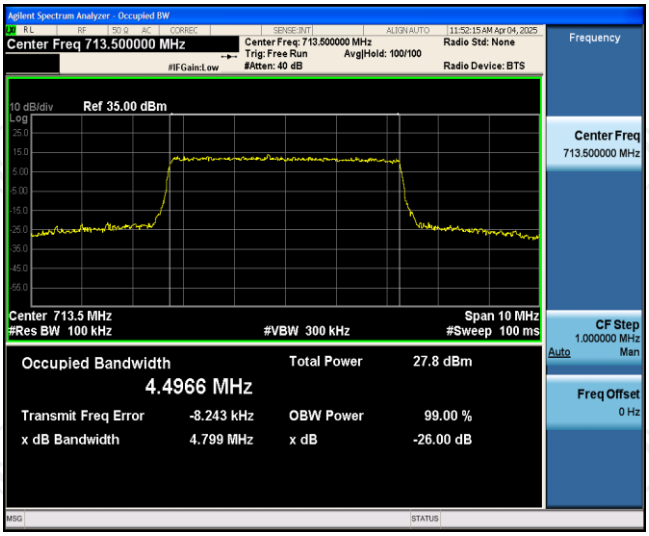


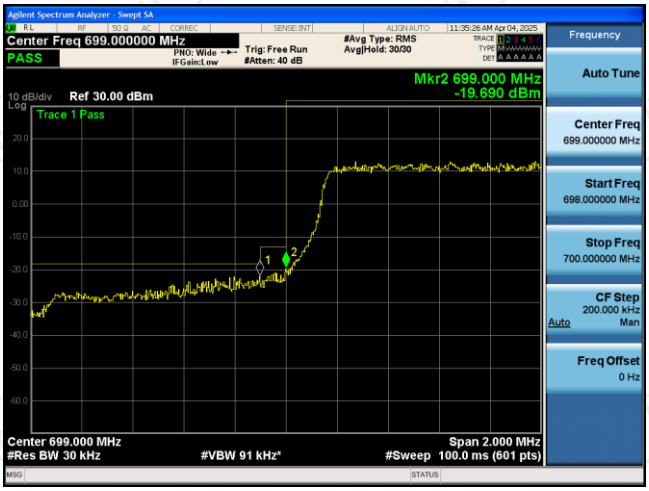
Band12-5MHz-16QAM-23155-25RB#0

Appendix D: Band Edge

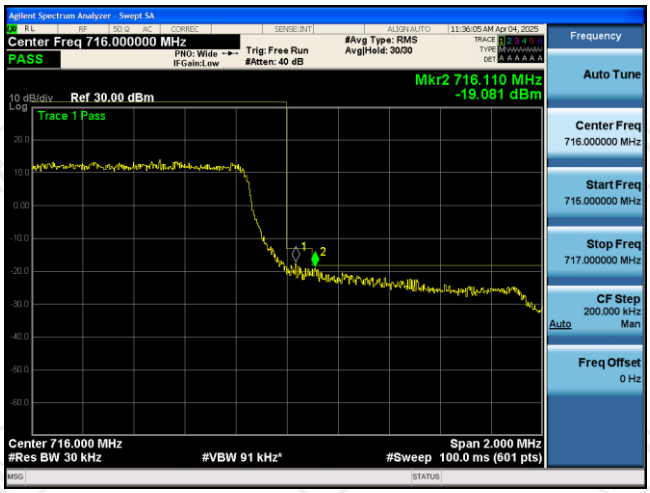
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-22.00,-19.69	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-17.59,-19.08	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-19.04,-18.74	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-20.46,-21.49	PASS
Band12	3MHz	QPSK	23025	15RB#0	-19.45,-18.93	PASS
Band12	3MHz	QPSK	23165	15RB#0	-17.35,-19.91	PASS
Band12	3MHz	16QAM	23025	15RB#0	-22.28,-20.17	PASS
Band12	3MHz	16QAM	23165	15RB#0	-18.87,-21.89	PASS
Band12	5MHz	QPSK	23035	25RB#0	-17.53	PASS
Band12	5MHz	QPSK	23155	25RB#0	-18.02	PASS
Band12	5MHz	16QAM	23035	25RB#0	-18.66	PASS
Band12	5MHz	16QAM	23155	25RB#0	-18.60	PASS

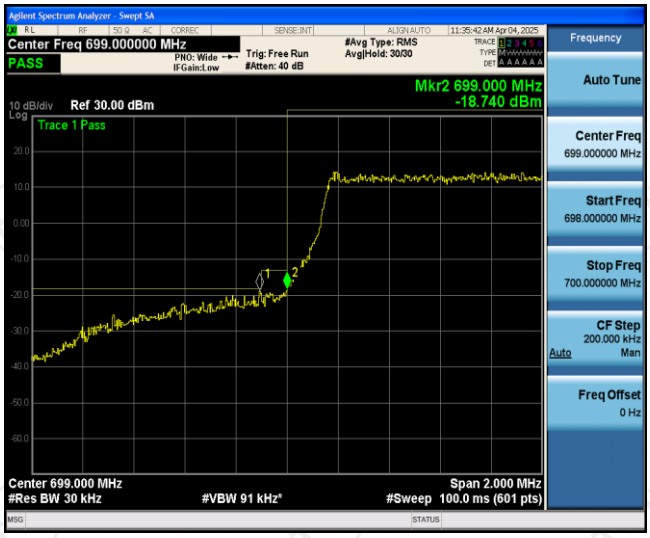
Test Graphs



Band12-1.4MHz-QPSK-23017-6RB#0

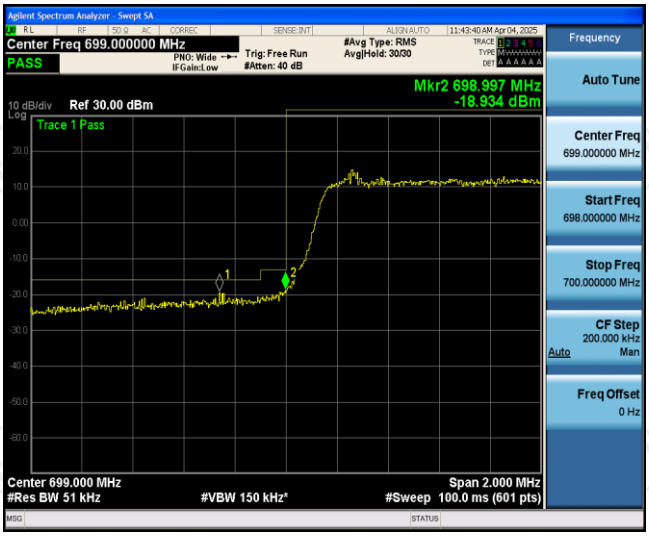


Band12-1.4MHz-QPSK-23173-6RB#0



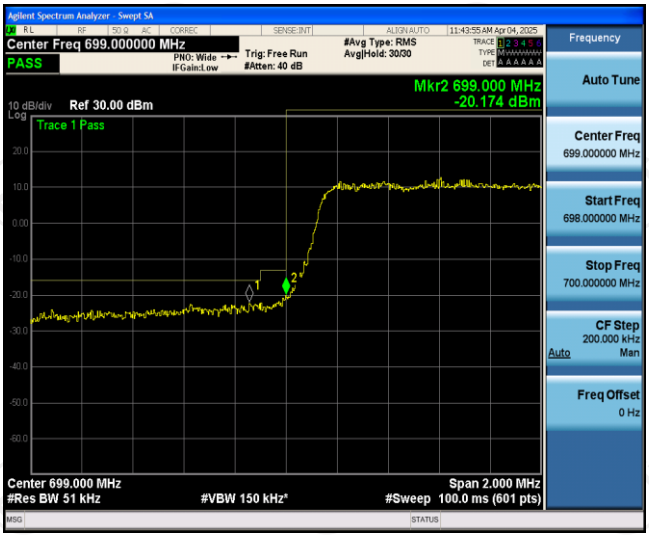
Band12-1.4MHz-16QAM-23017-6RB#0

Band12-1.4MHz-16QAM-23173-6RB#0



Band12-3MHz-QPSK-23025-15RB#0

Band12-3MHz-QPSK-23165-15RB#0



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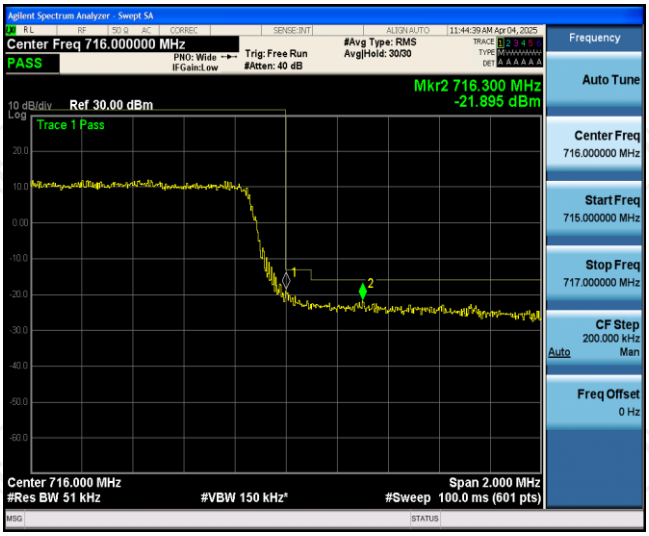

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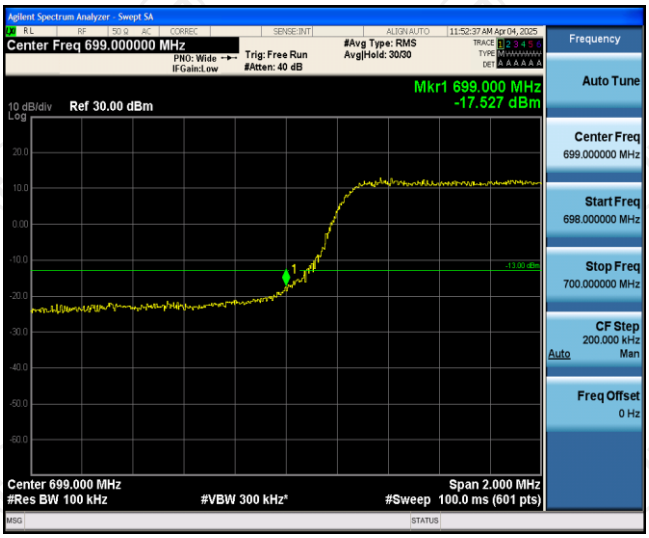
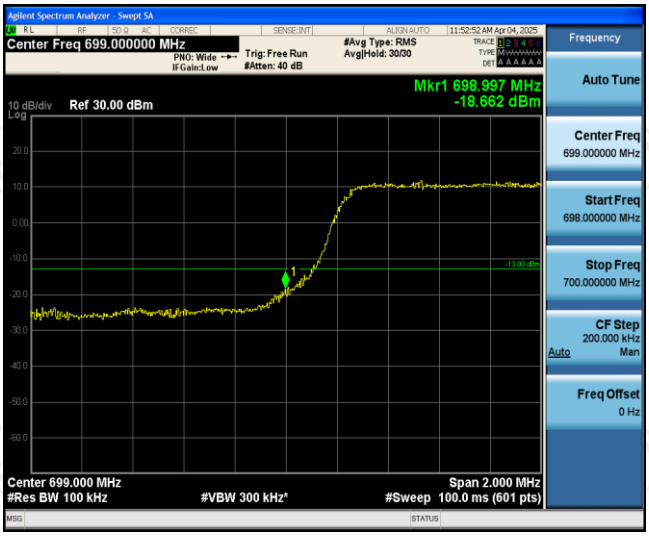
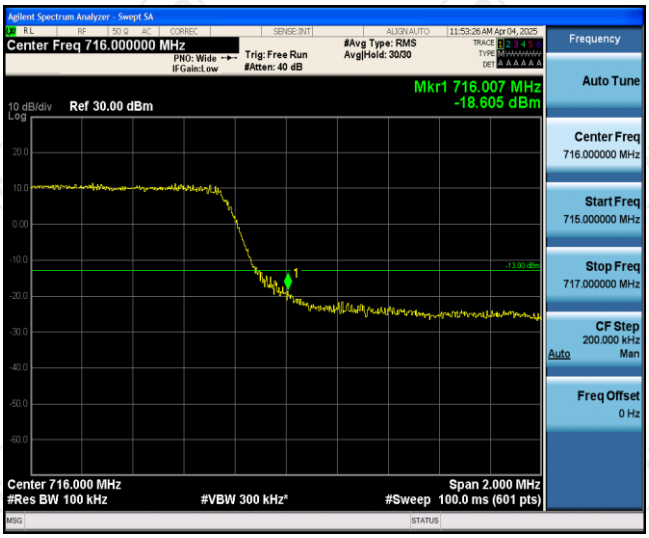


Band12-5MHz-QPSK-23035-25RB#0

Band12-5MHz-QPSK-23155-25RB#0



Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23155-25RB#0

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-51.18	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-34.49	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-50.51	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-34.64	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-49.94	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-35.1	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-50.88	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-34.42	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-50.18	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.25	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-50.89	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-34	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-50.89	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-34.44	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-50.7	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-34.23	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-49.86	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-34.5	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-50.59	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-34.61	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-49.65	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.12	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-50.95	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-33.93	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-50.81	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-34.91	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-50.71	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-33.76	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-50.25	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-34.42	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-51.15	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-34.44	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-50.58	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.25	PASS

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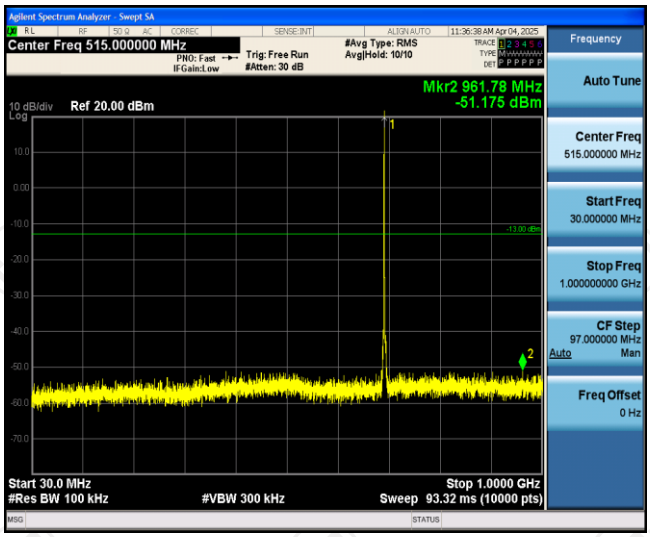
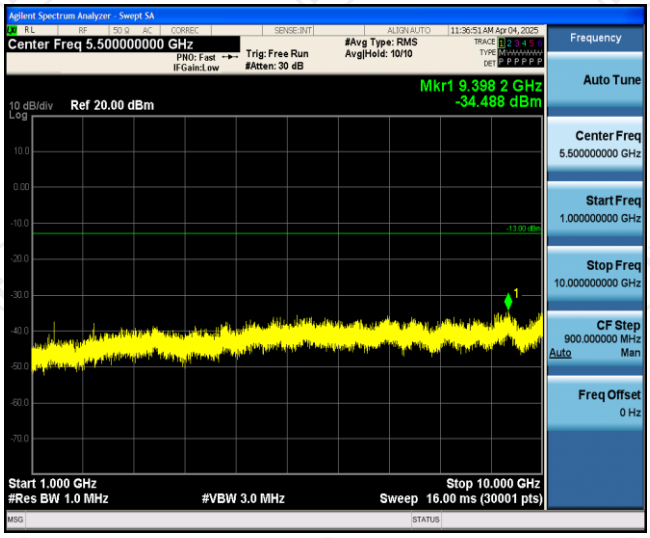
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-50.29	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-34.64	PASS

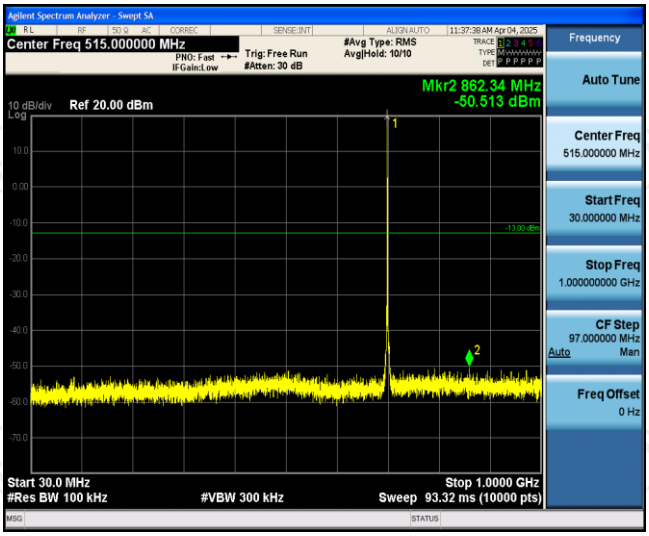
Test Graphs



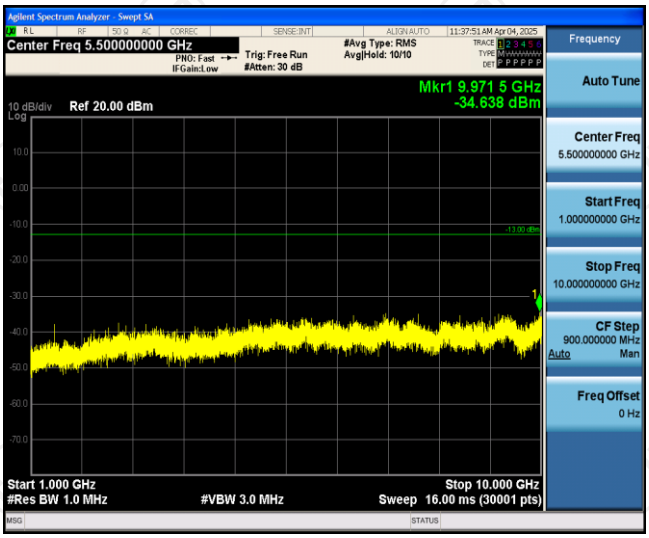
Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



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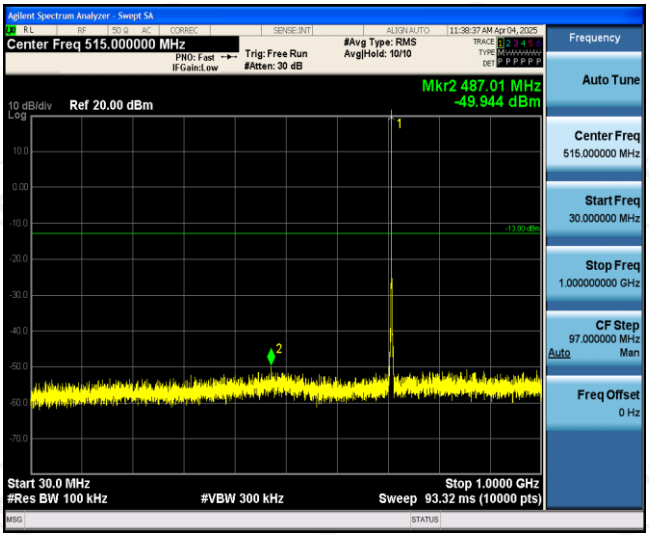
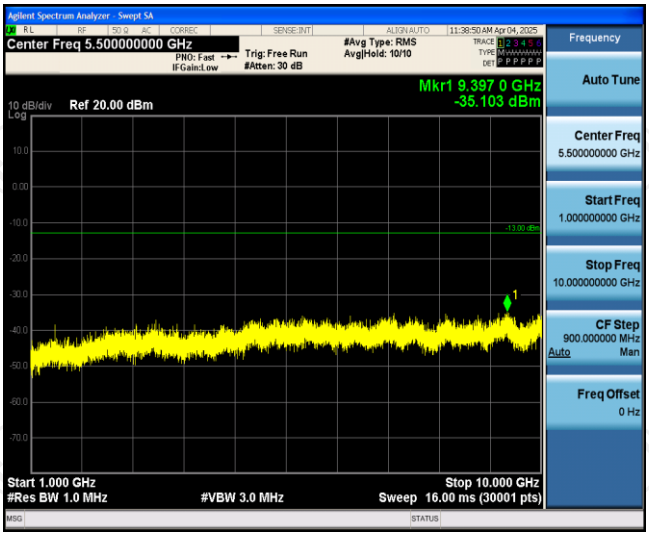


Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



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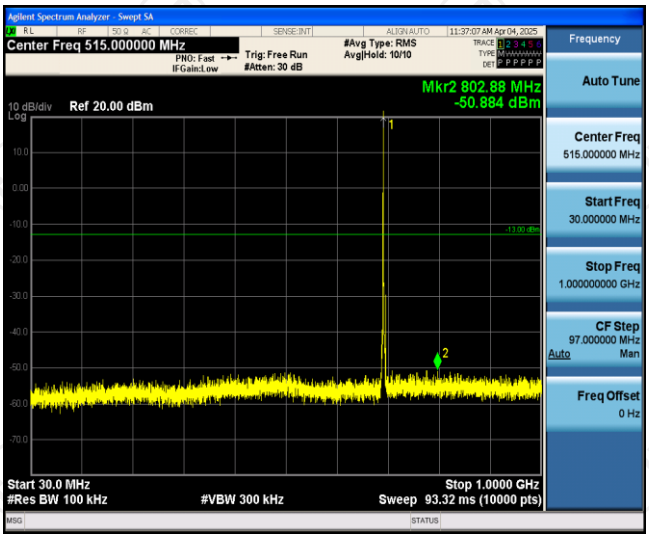
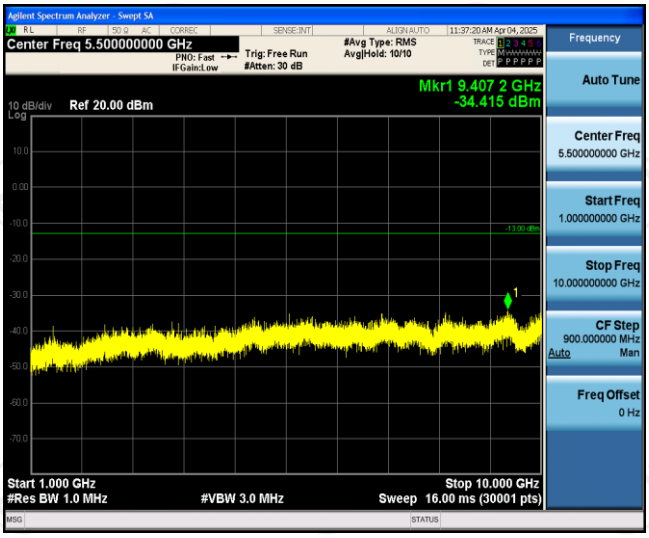
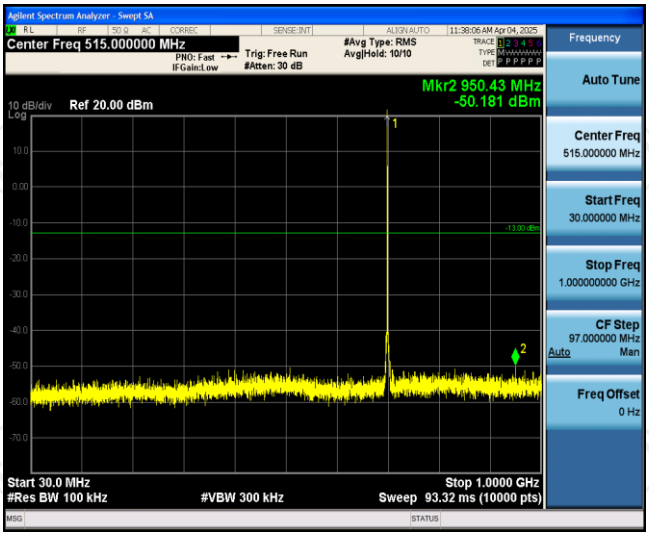


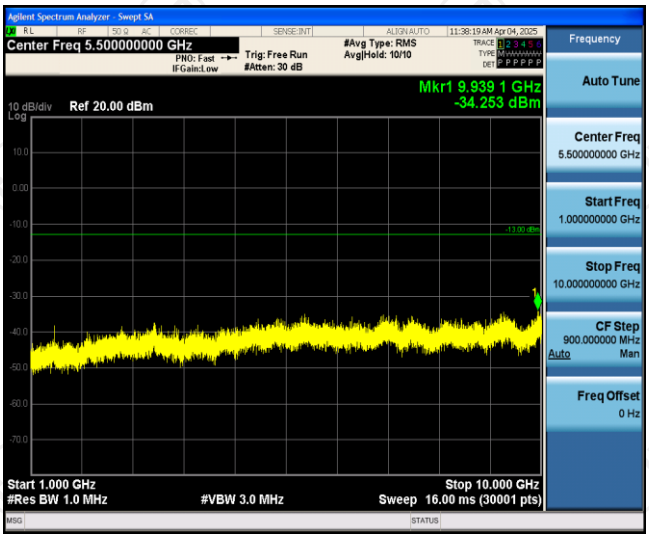
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



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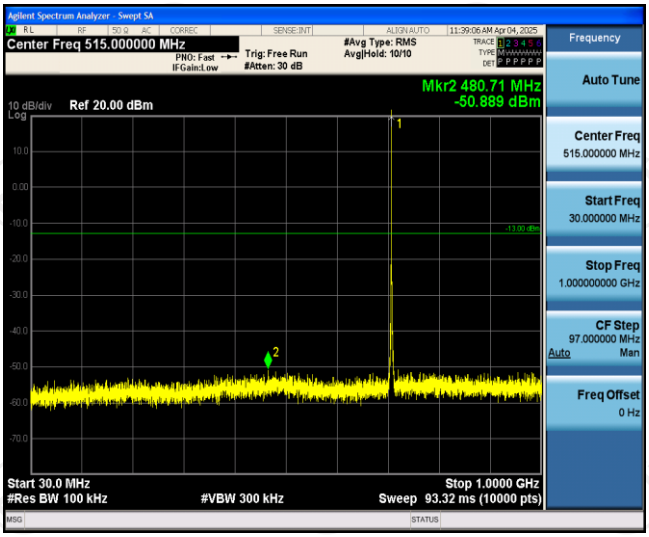
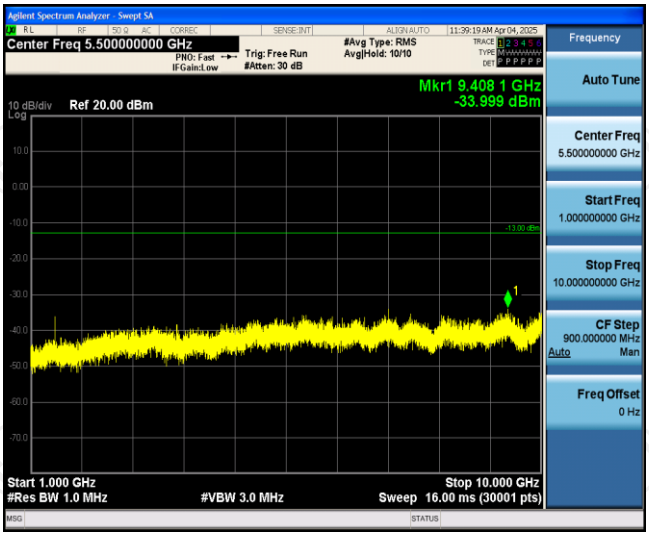
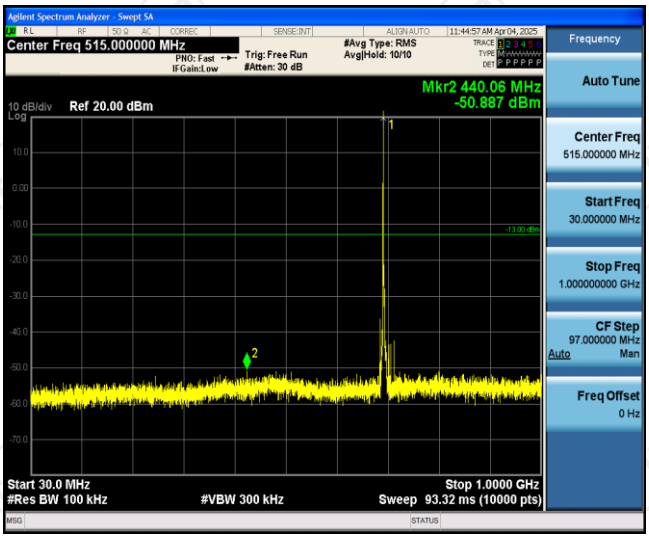


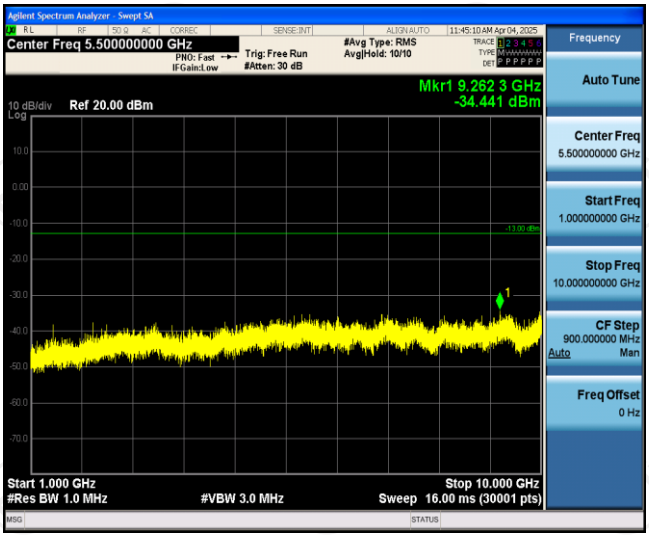
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



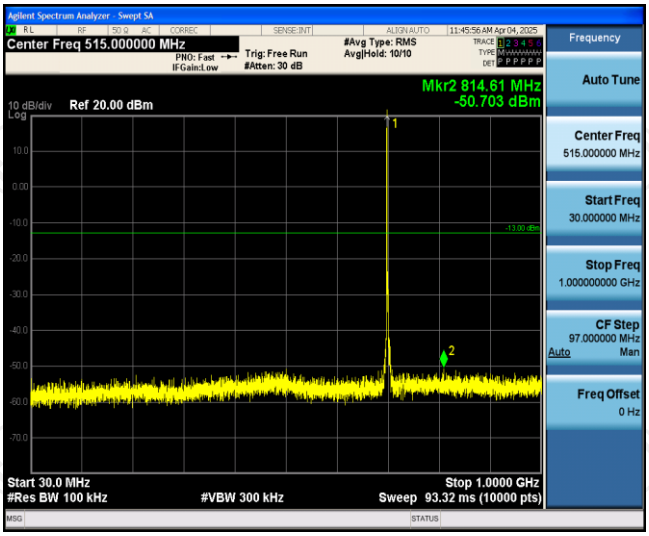
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



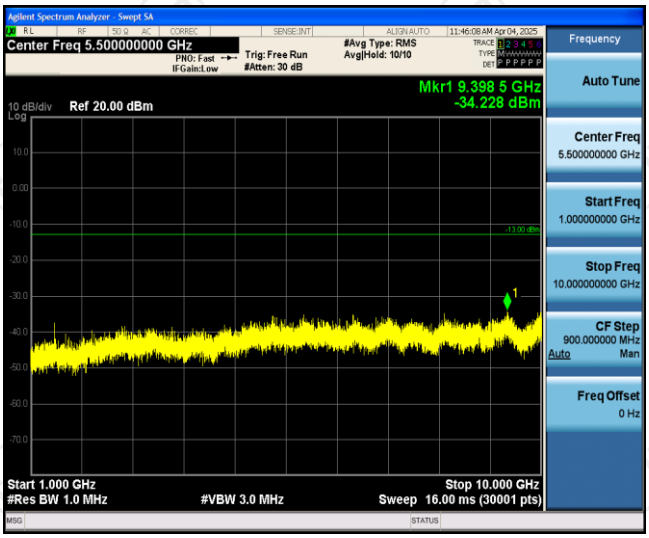
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



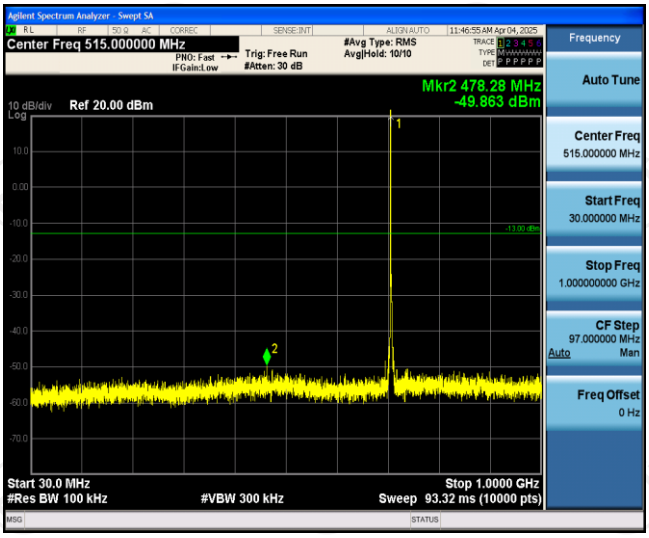
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



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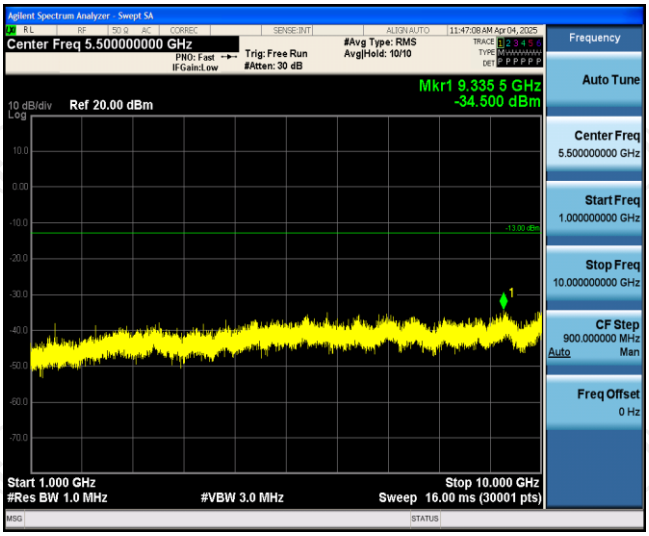
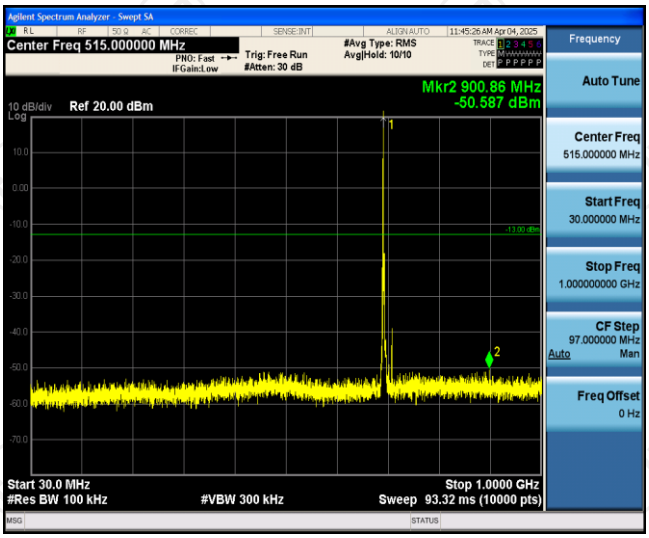
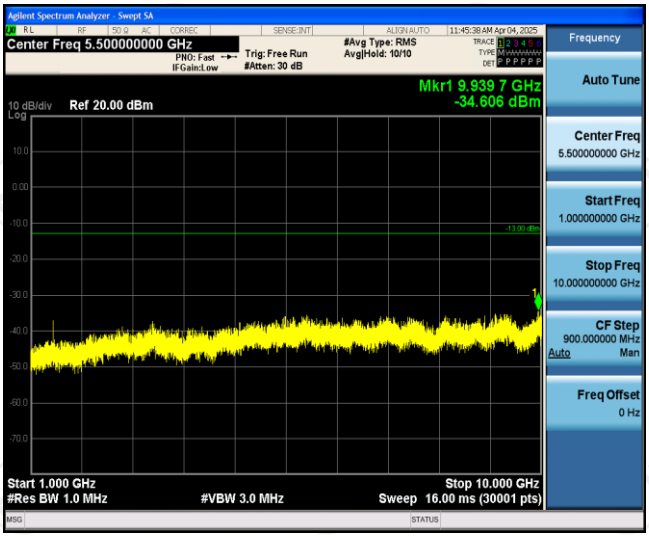


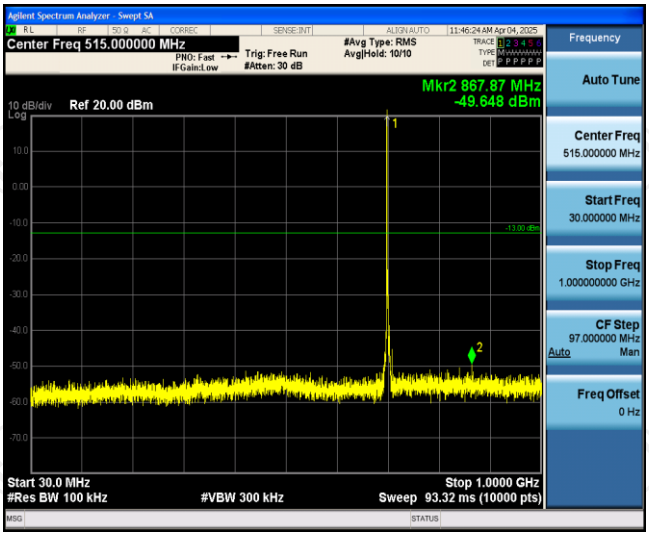
Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



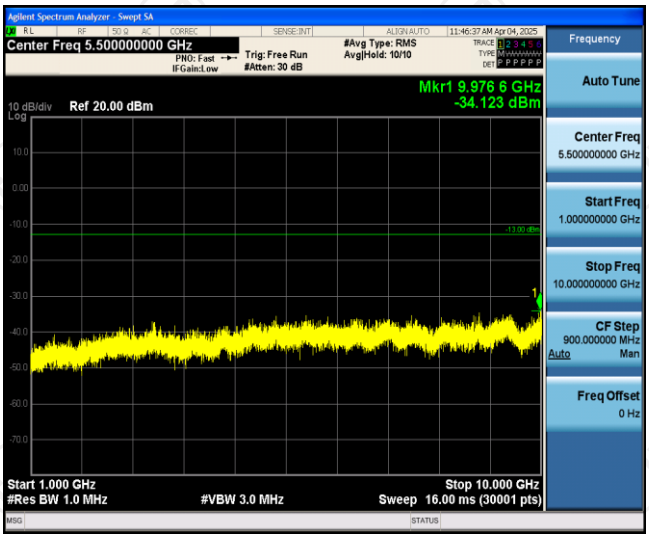
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



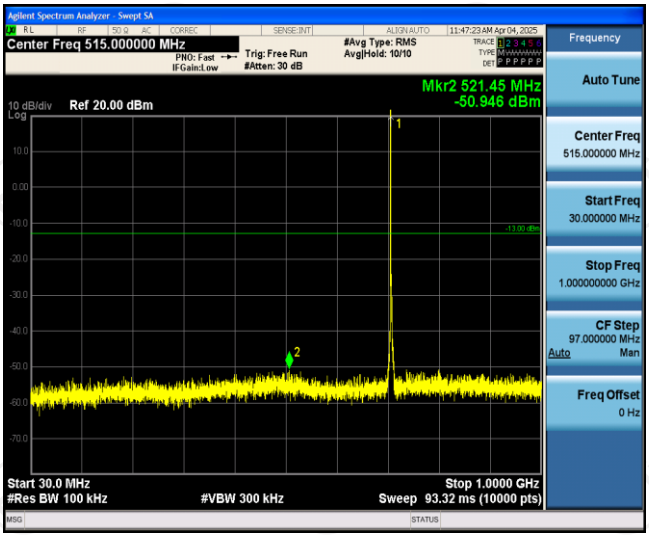
Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



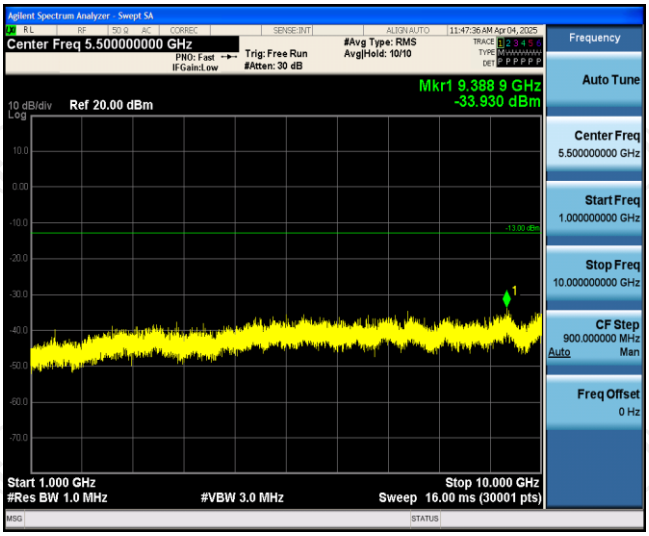
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



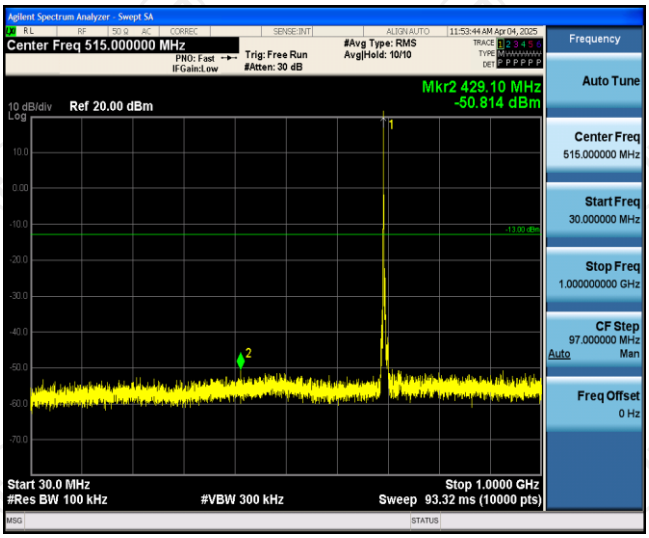
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



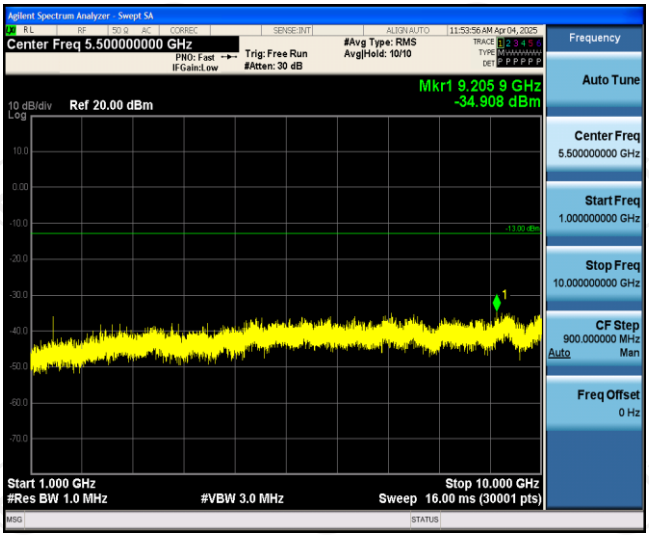
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



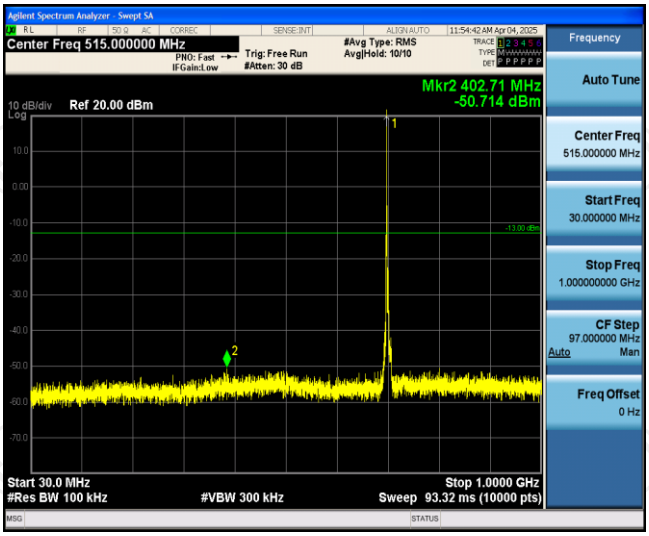
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



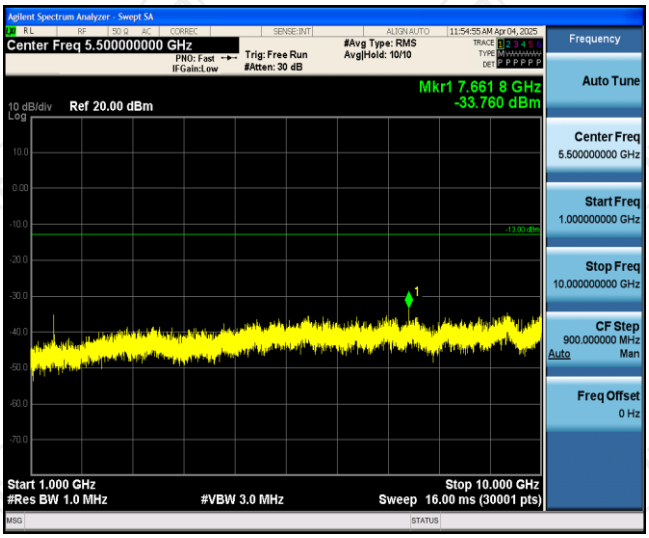
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



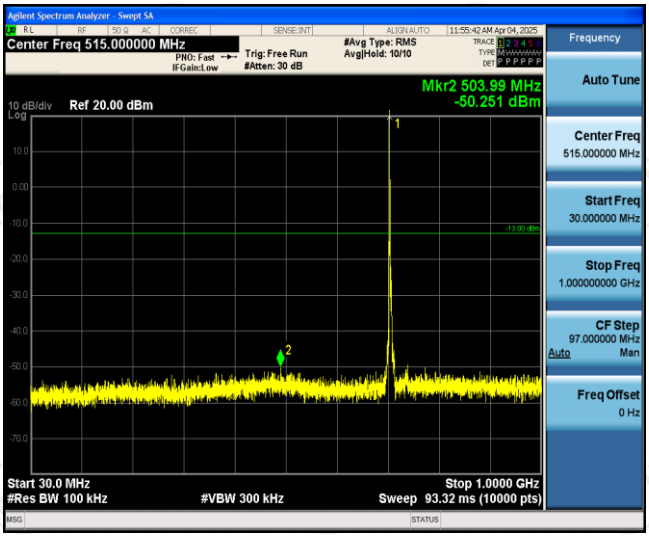
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



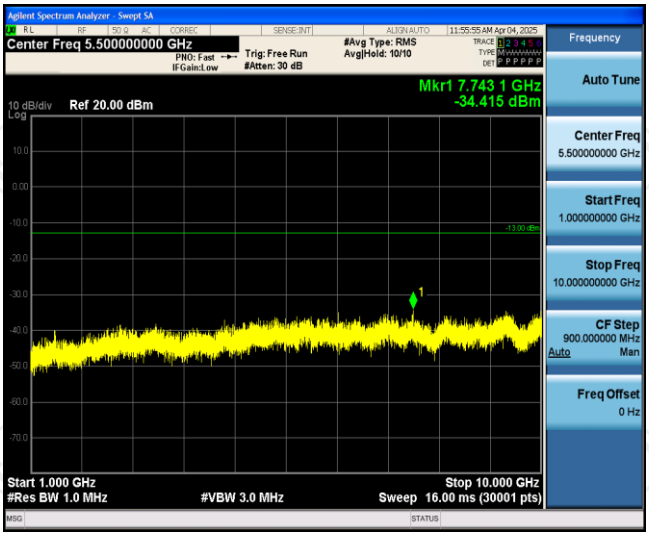
Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



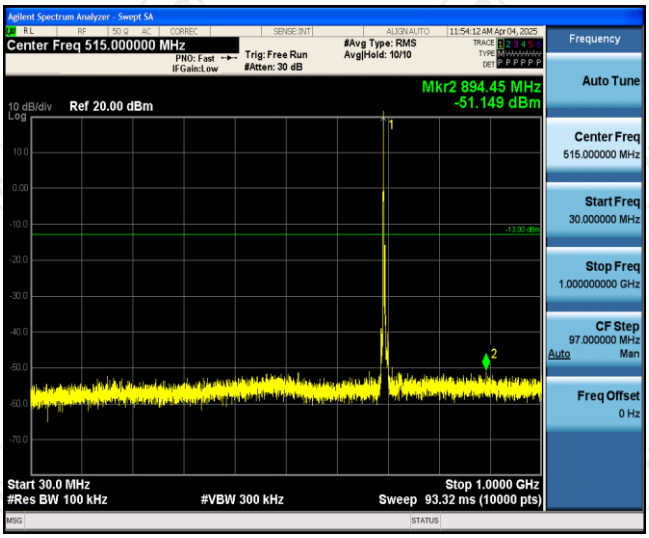
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



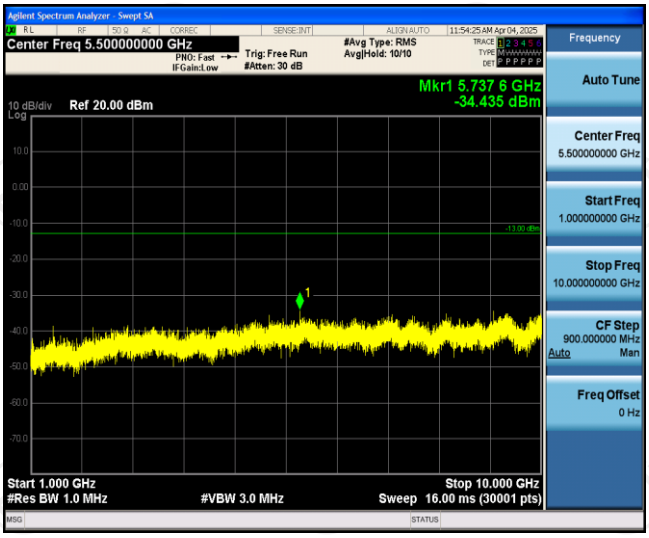
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



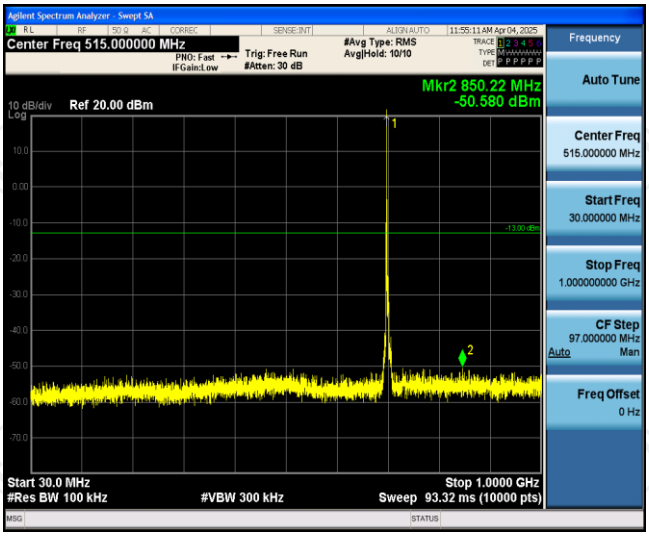
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



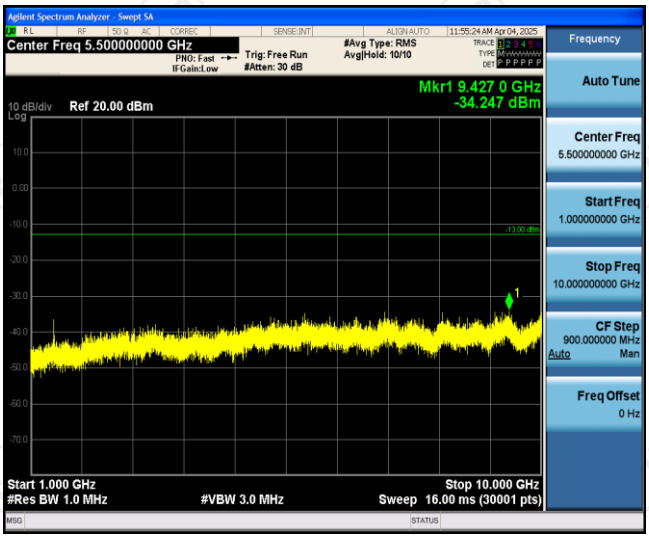
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



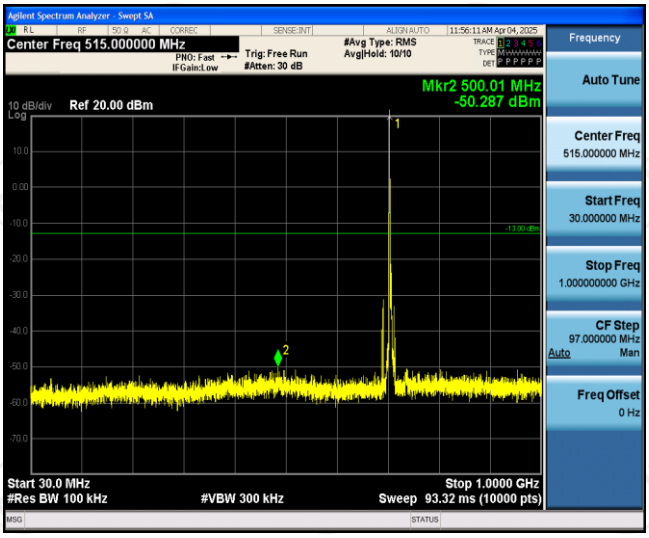
Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



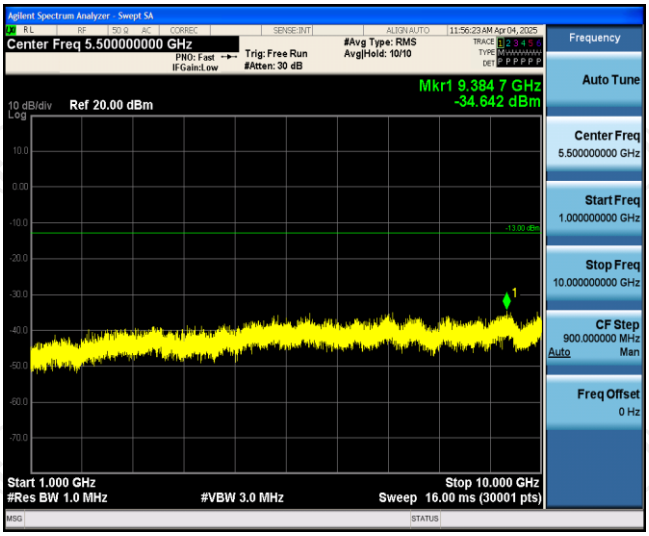
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



Band12-5MHz-16QAM-23155-1RB#0-Range1:30~1000MHz



Band12-5MHz-16QAM-23155-1RB#0-Range2:1000~10000MHz

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-5.94	-0.008489	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-5.57	-0.007961	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-3.29	-0.004702	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-6.18	-0.008735	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	3.81	0.005385	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-6.30	-0.008905	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	3.11	0.004348	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	7.28	0.010178	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-5.82	-0.008136	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-7.58	-0.010833	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-3.13	-0.004473	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-6.73	-0.009618	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	3.08	0.004353	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	3.75	0.005300	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-4.96	-0.007011	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	-3.47	-0.004851	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	4.25	0.005942	±2.5	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	3.27	0.004572	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-3.02	-0.004316	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-5.00	-0.007146	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-5.45	-0.007789	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-5.11	-0.007303	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-4.13	-0.005903	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	4.38	0.006191	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-5.50	-0.007774	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-5.06	-0.007152	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-4.59	-0.006488	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-2.46	-0.003477	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-5.48	-0.007661	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-2.86	-0.003998	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-5.02	-0.007018	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	4.55	0.006361	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-3.52	-0.004921	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-4.34	-0.006203	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-4.47	-0.006388	±2.5	PASS
Band1	1.4MHz	16QAM	23017	6RB#0	NV	0	3.68	0.005259	±2.5	PASS

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Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-6.58	-0.009404	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-4.85	-0.006932	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-2.75	-0.003887	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	3.70	0.005230	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-6.39	-0.009032	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	3.98	0.005625	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	4.43	0.006261	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	5.96	0.008332	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-5.79	-0.008095	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-3.89	-0.005438	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-3.46	-0.004837	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-6.56	-0.009171	±2.5	PASS

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