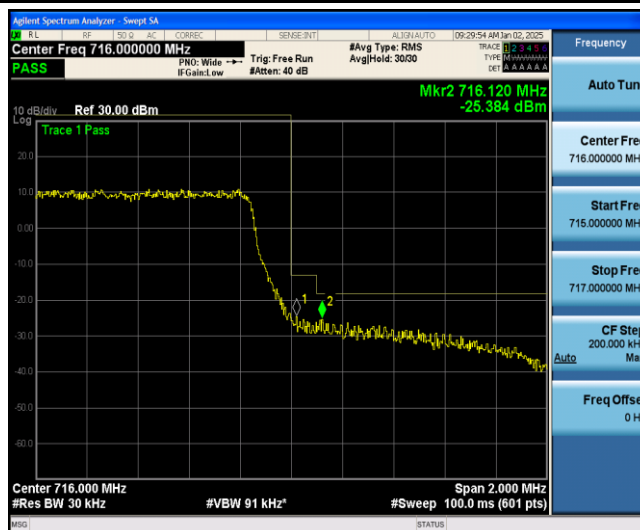
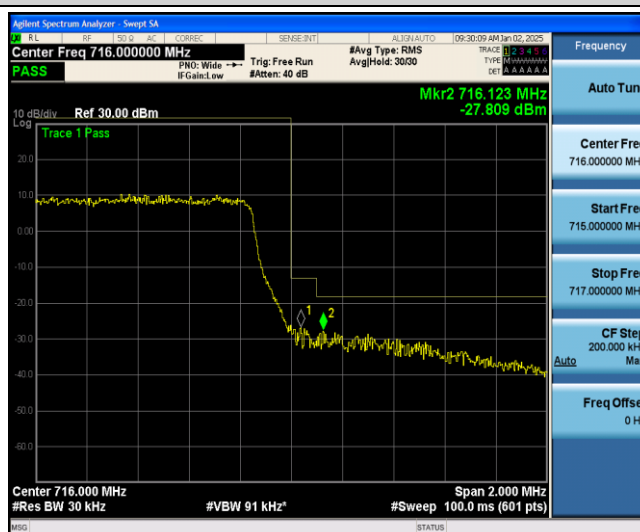




Band12-1.4MHz-QPSK-23173-6RB#0



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



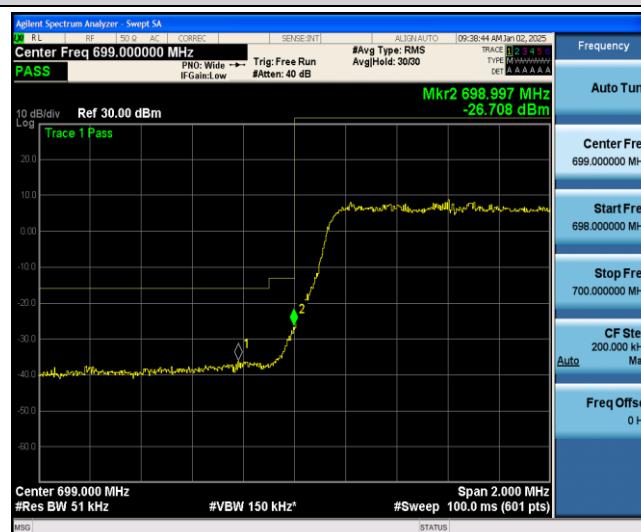
Band12-1.4MHz-16QAM-23173-6RB#0



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



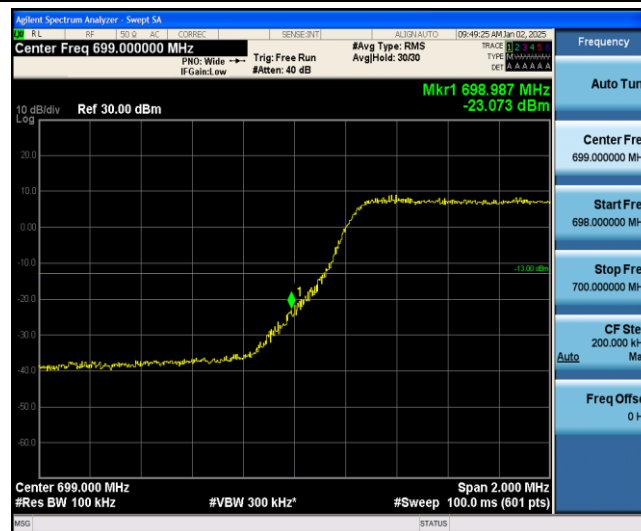
Band12-3MHz-QPSK-23165-15RB#0



Band12-3MHz-16QAM-23025-15RB#0



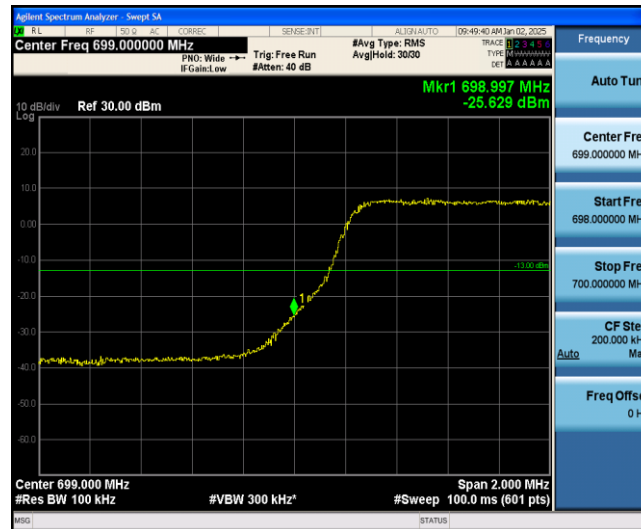
Band12-3MHz-16QAM-23165-15RB#0



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



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



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



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

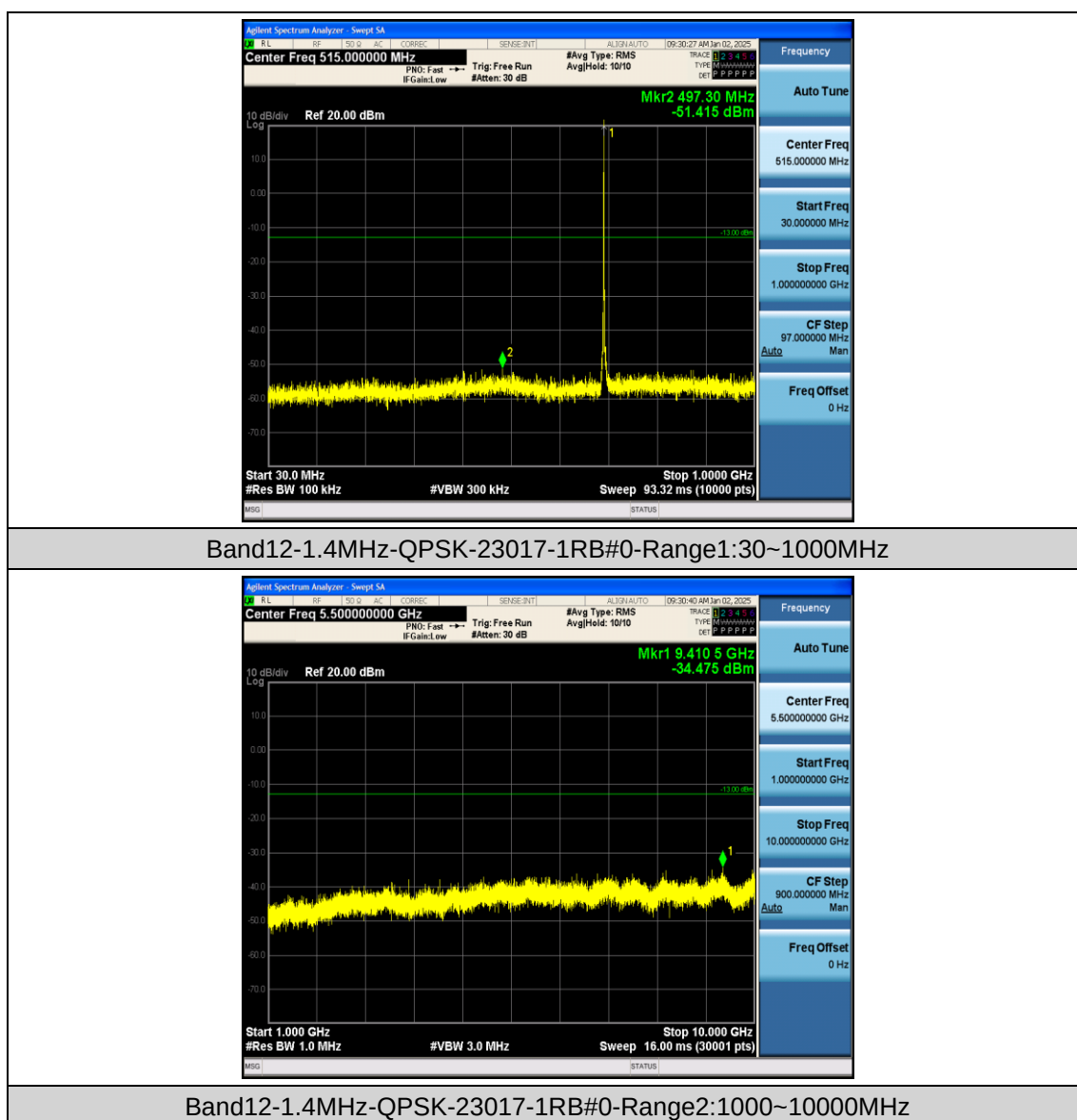
Appendix E: Conducted Spurious Emission

Test Result

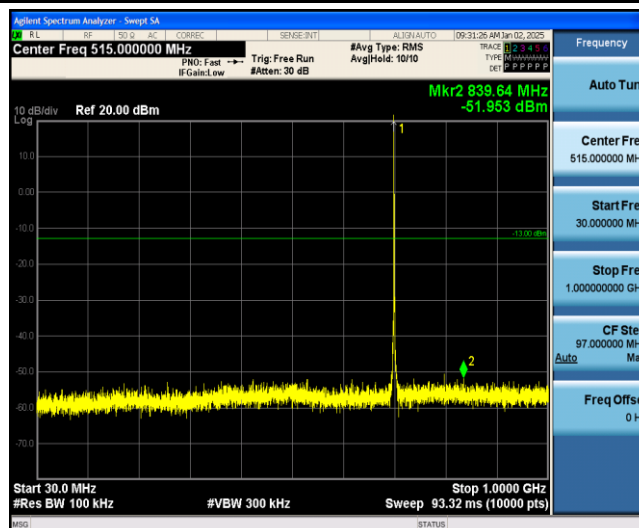
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-51.42	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-34.48	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-51.95	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-35.11	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-51.52	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-34.41	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-51	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-34.04	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-51.63	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.36	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-51.64	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-34.65	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-51.54	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-34.95	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-51.5	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-35.3	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-51.38	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-34.95	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-51.8	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-35.54	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-51.09	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.33	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-51.79	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-35.65	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-51.23	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-34.68	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-51.16	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-35.27	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-51.73	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-35.05	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-51.89	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-35.27	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-51.67	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.82	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-49.4	PASS

Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-35.26	PASS
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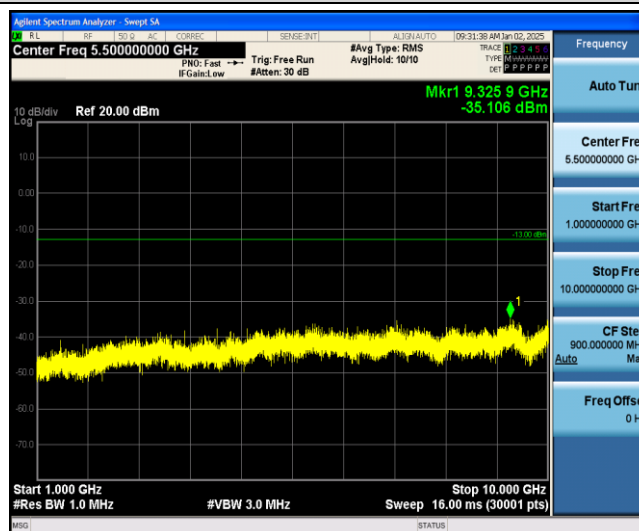
Test Graphs



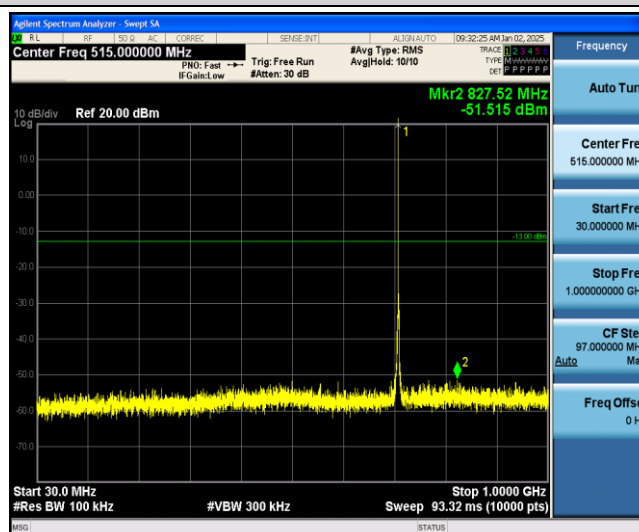
Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



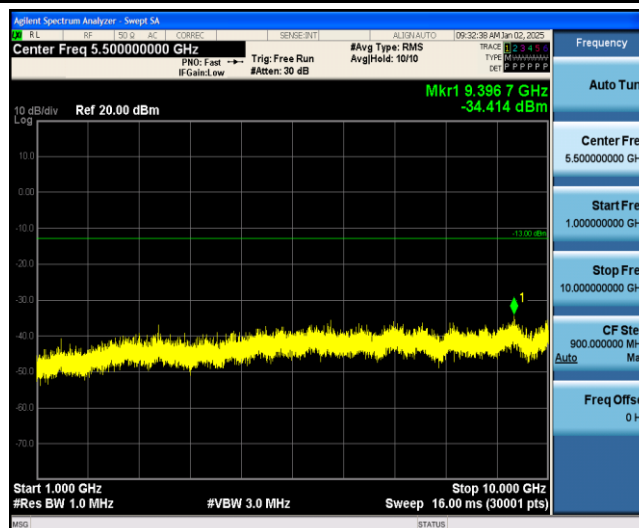
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



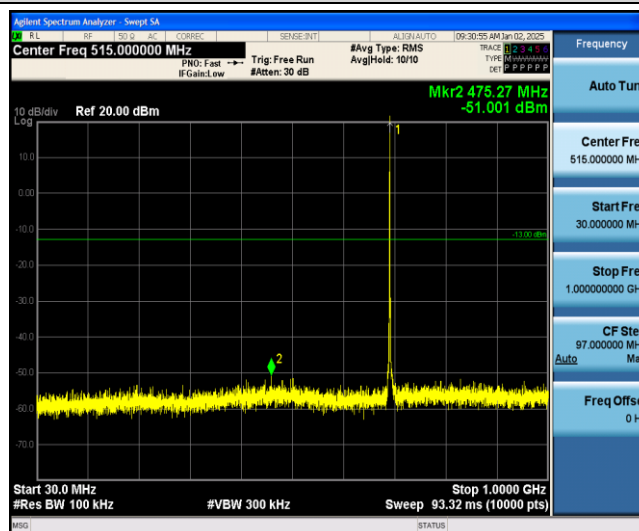
Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



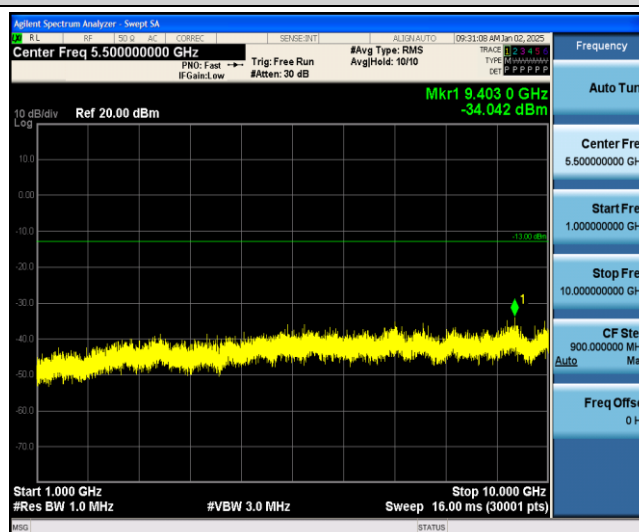
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz



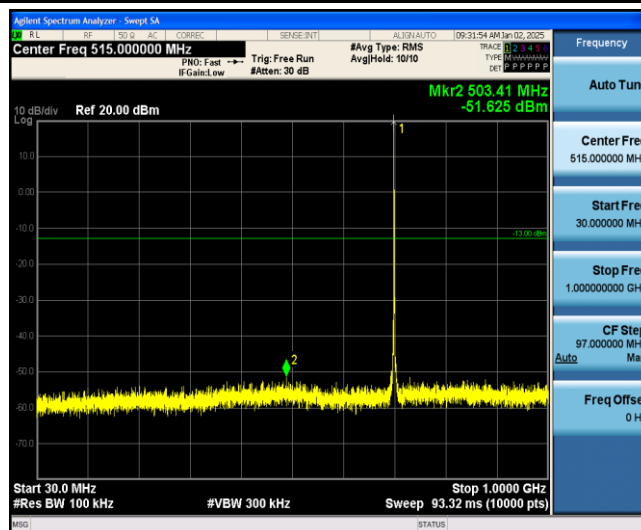
Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



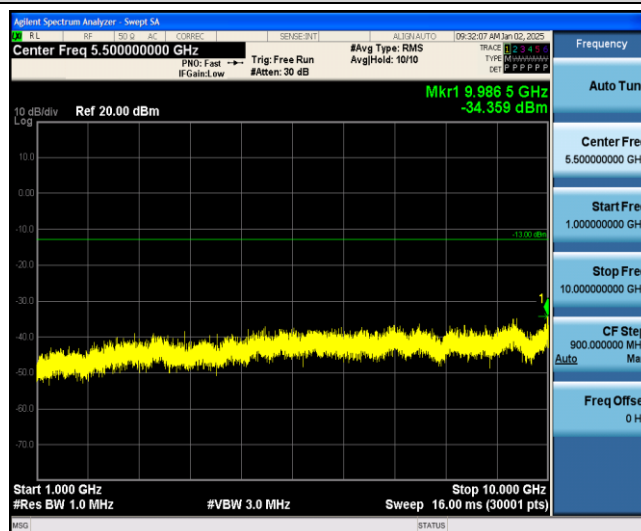
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



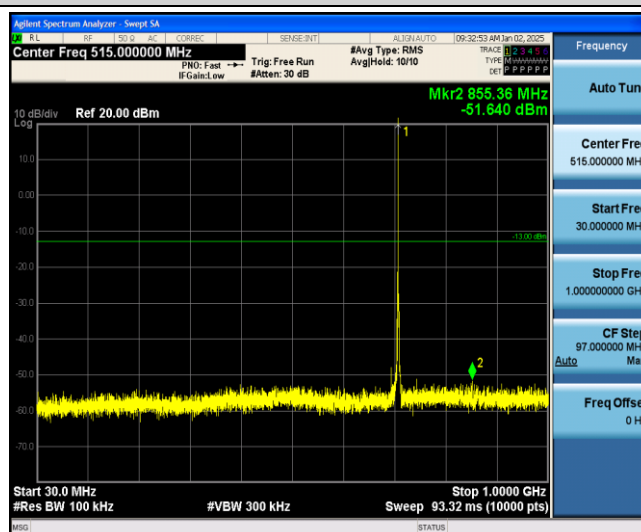
Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



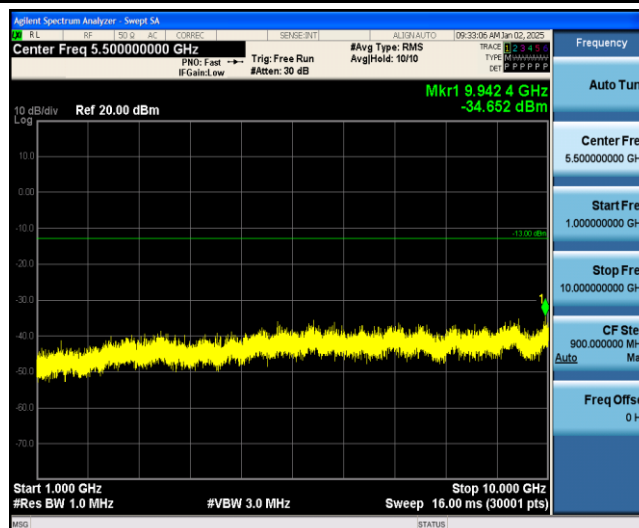
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



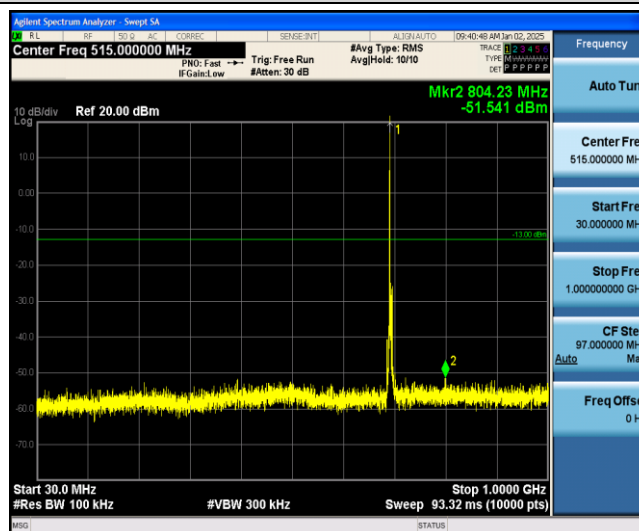
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



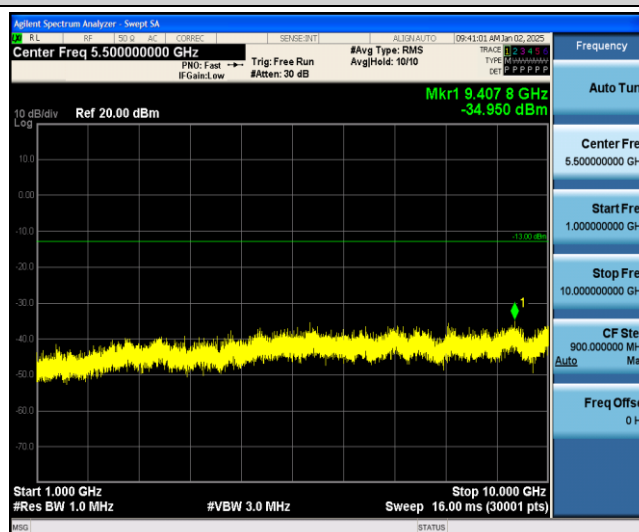
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



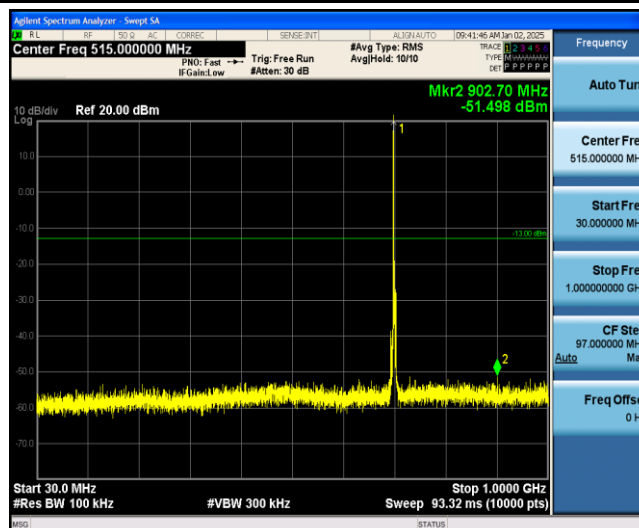
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



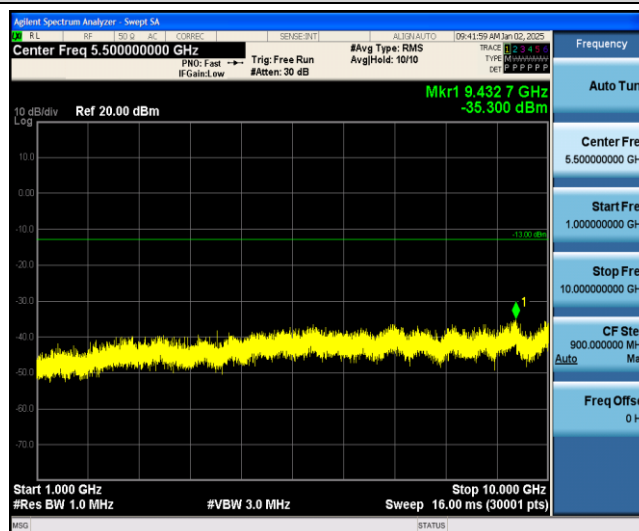
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



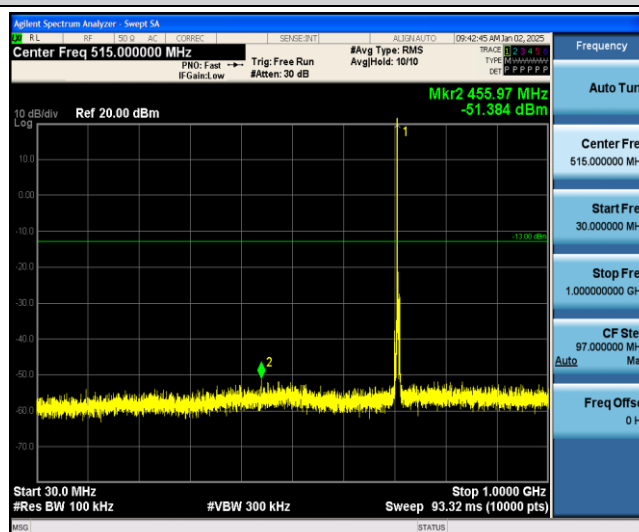
Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



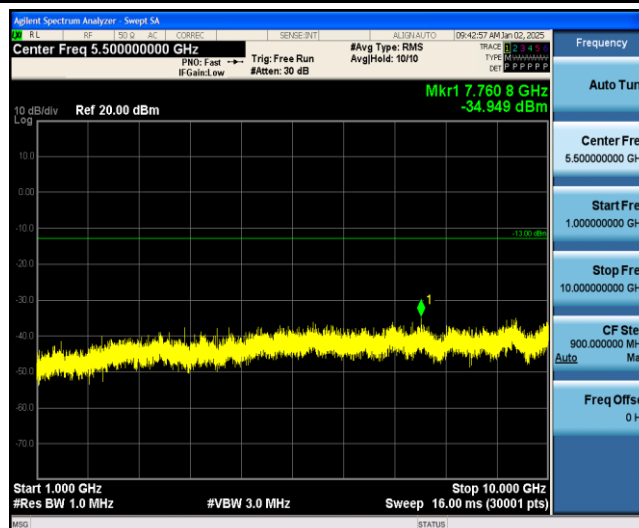
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz



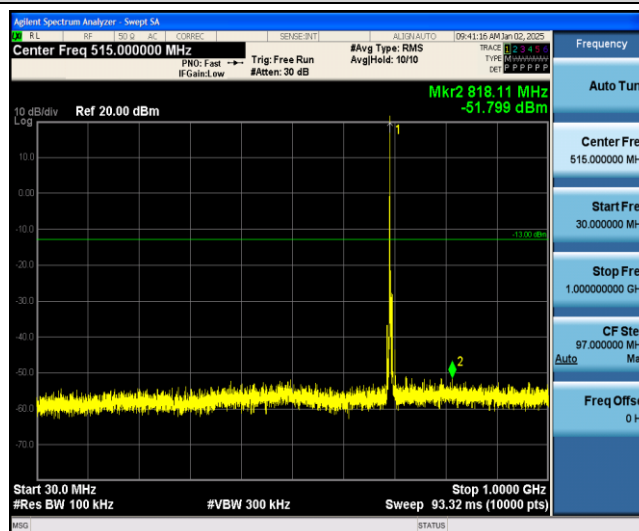
Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



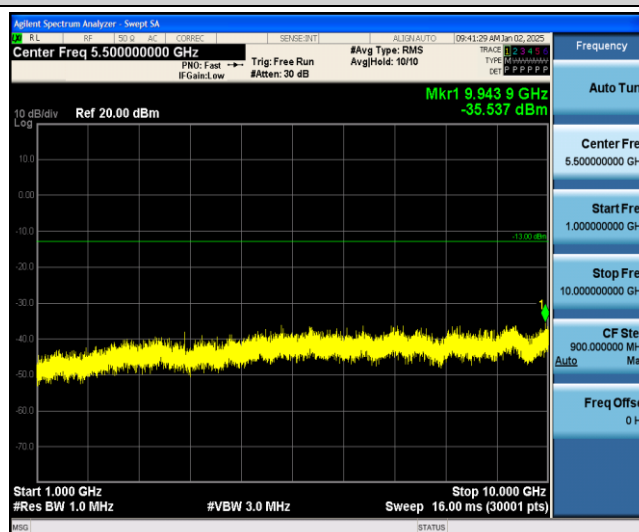
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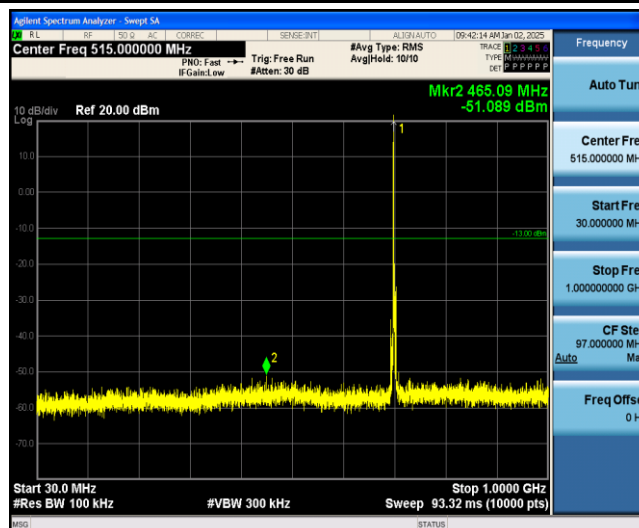
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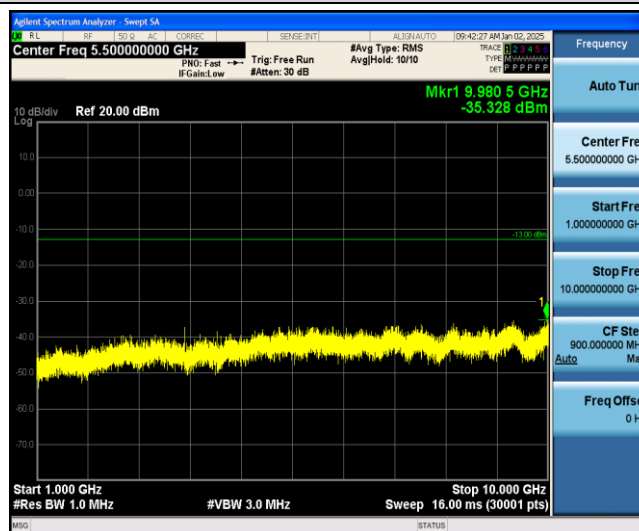
Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



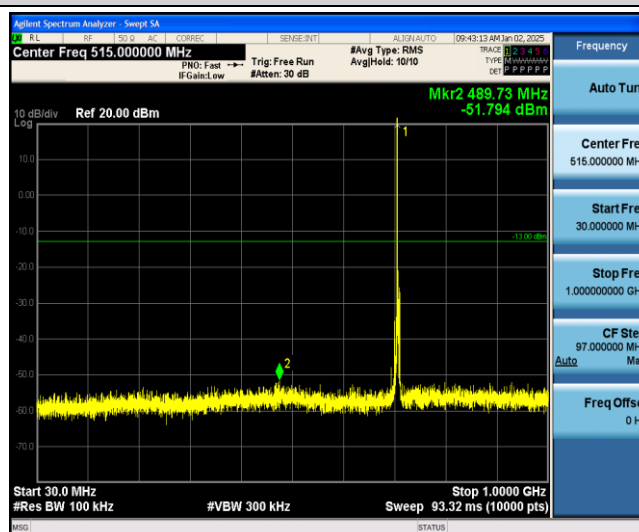
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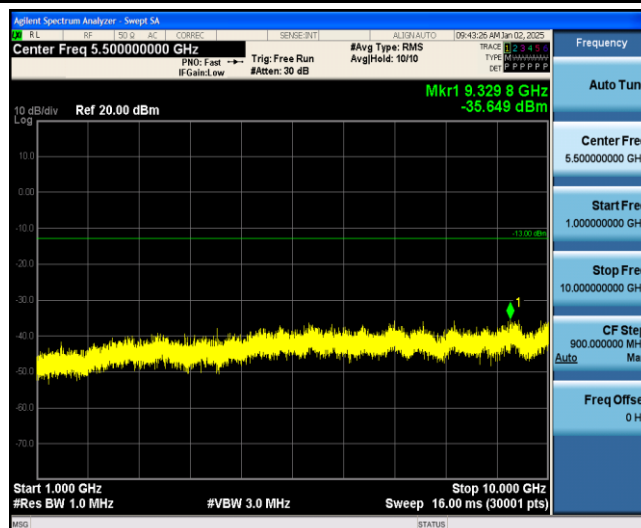
Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



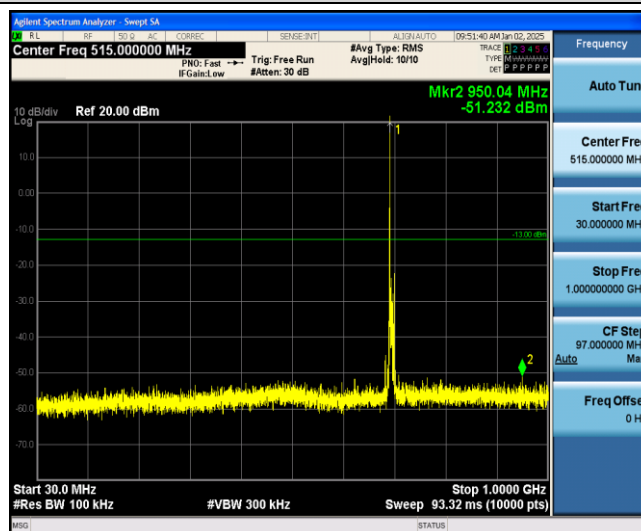
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



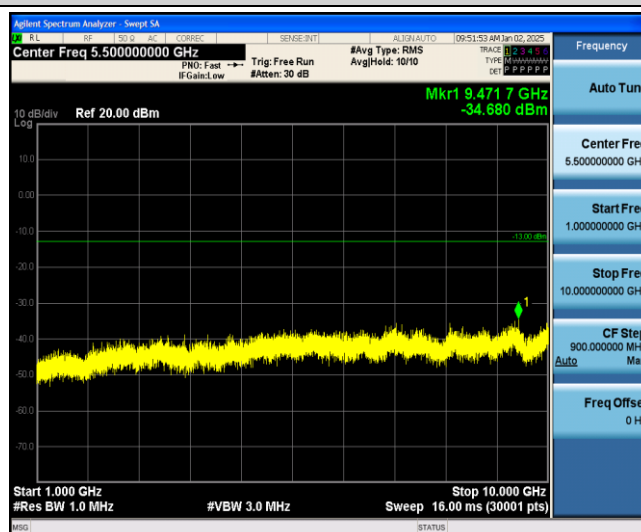
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



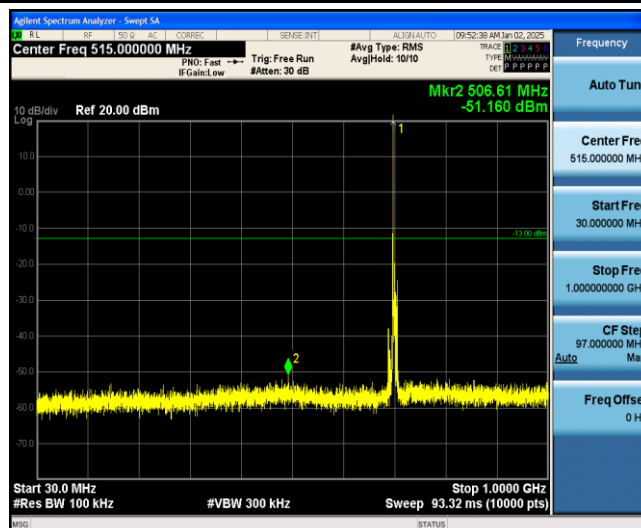
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



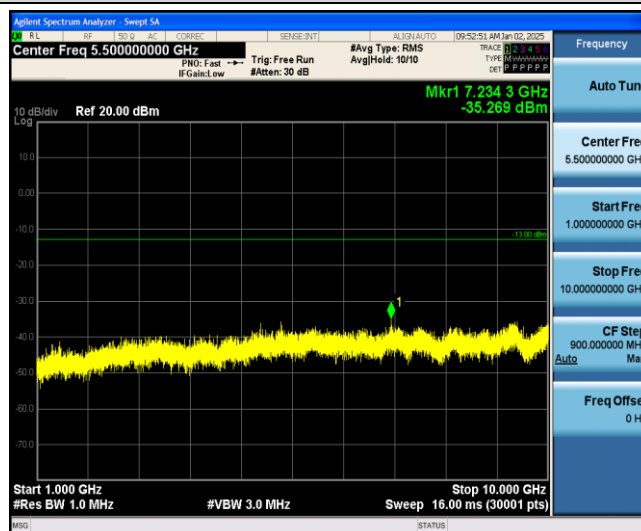
Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



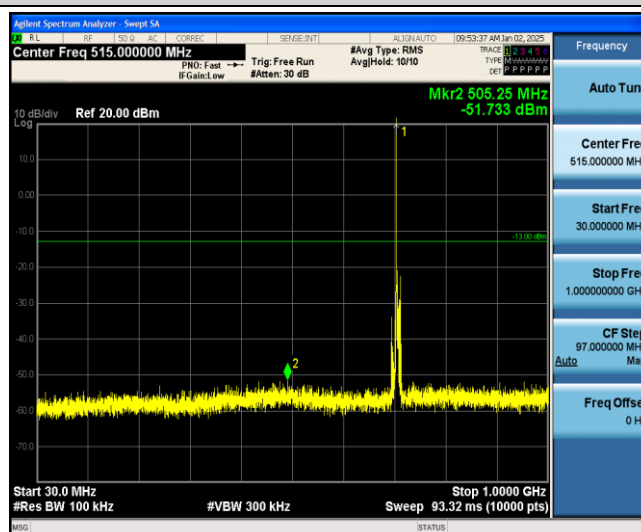
Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



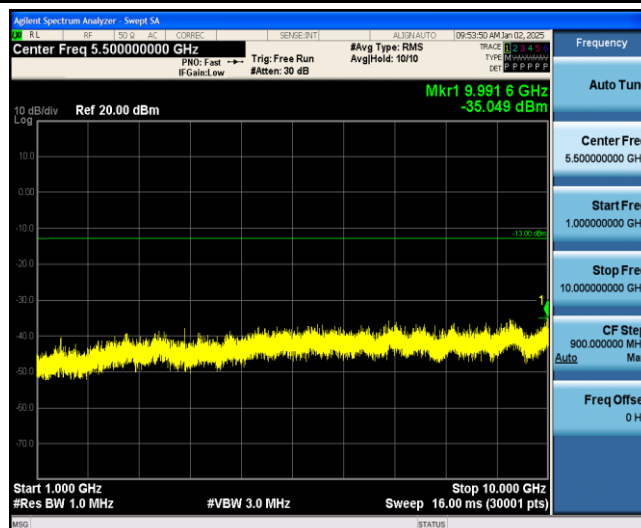
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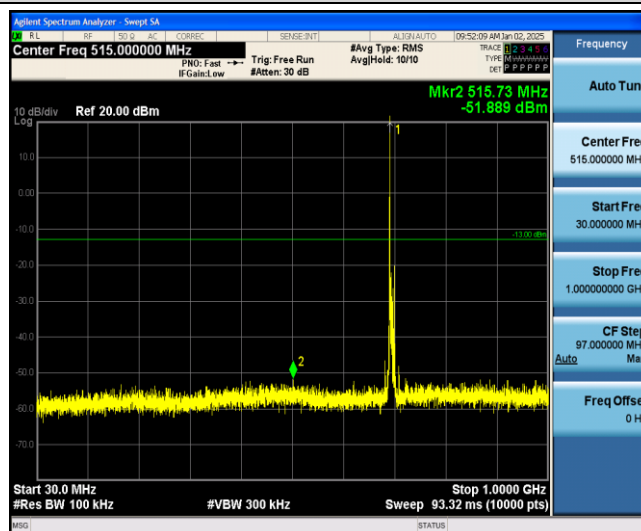
Band12-5MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



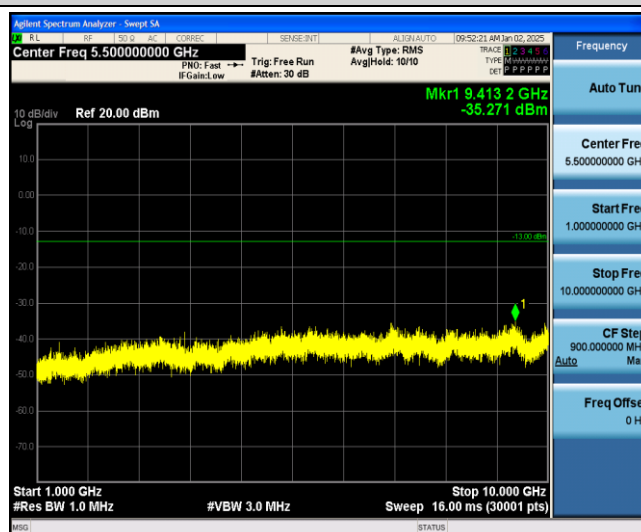
Band12-5MHz-QPSK-23155-1RB#0-Range1:30~1000MHz



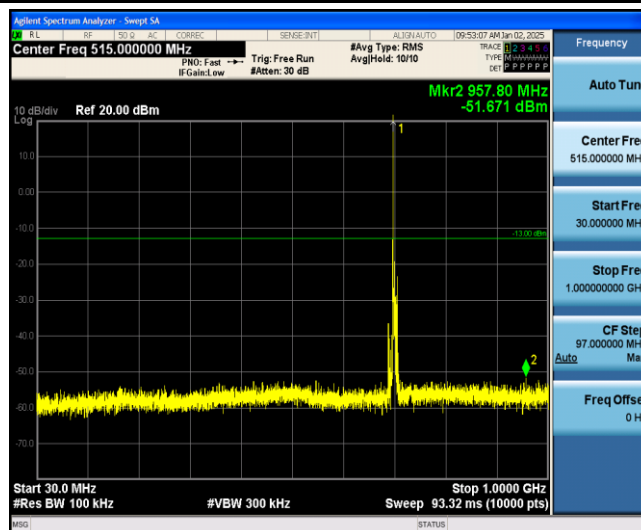
Band12-5MHz-QPSK-23155-1RB#0-Range2:1000~10000MHz



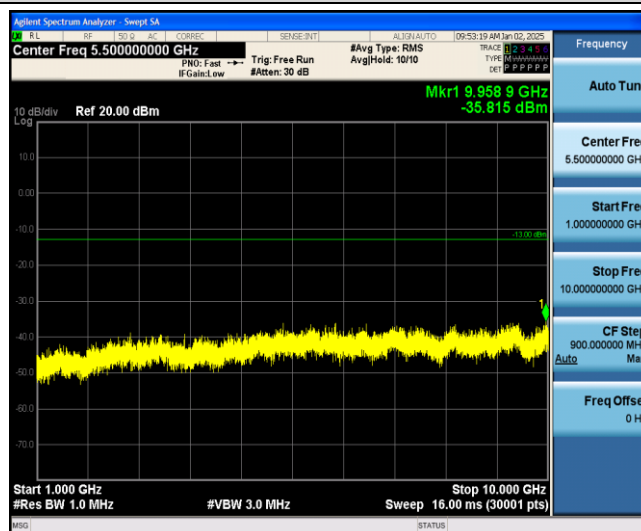
Band12-5MHz-16QAM-23035-1RB#0-Range1:30~1000MHz



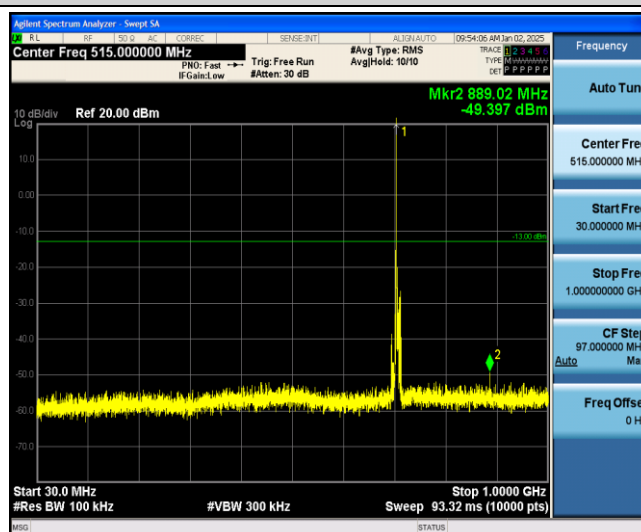
Band12-5MHz-16QAM-23035-1RB#0-Range2:1000~10000MHz



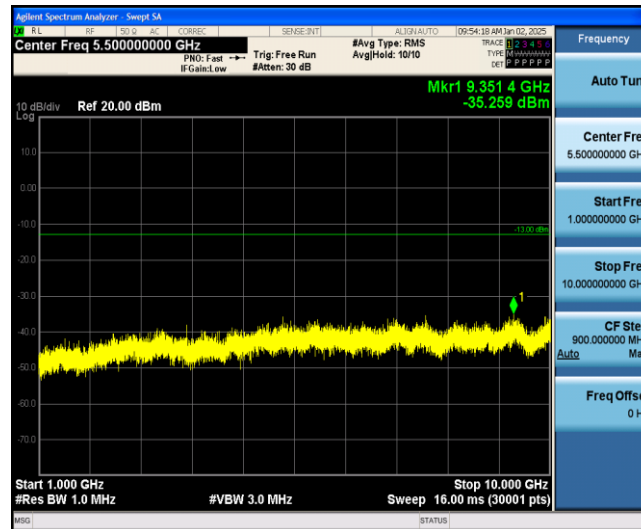
Band12-5MHz-16QAM-23095-1RB#0-Range1:30~1000MHz



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 (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	-23.46	-0.033529	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	-8.93	-0.012763	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	-3.24	-0.004631	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-11.48	-0.016226	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	7.65	0.010813	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-1.78	-0.002516	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	-22.29	-0.031162	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	28.75	0.040193	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-6.46	-0.009031	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-4.63	-0.006617	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-7.75	-0.011076	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-4.48	-0.006403	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	24.70	0.034912	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	6.06	0.008565	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	10.27	0.014516	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	6.53	0.009129	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	-3.00	-0.004194	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	6.48	0.009059	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-10.77	-0.015392	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-20.93	-0.029913	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-26.59	-0.038002	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-5.18	-0.007403	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-12.79	-0.018279	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	11.83	0.016721	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	22.19	0.031364	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	4.97	0.007025	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	15.18	0.021456	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	24.35	0.034417	±2.5	PASS

Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-17.11	-0.023920	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-27.34	-0.038222	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-6.57	-0.009185	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-15.15	-0.021180	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-24.39	-0.034098	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-4.37	-0.006246	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-4.40	-0.006288	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-5.76	-0.008232	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-4.80	-0.006860	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-6.67	-0.009533	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	25.41	0.035915	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	11.52	0.016283	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	21.21	0.029979	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	6.35	0.008975	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	14.89	0.021046	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	5.14	0.007186	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	1.63	0.002279	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-2.90	-0.004054	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-5.38	-0.007521	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-8.48	-0.011855	±2.5	PASS