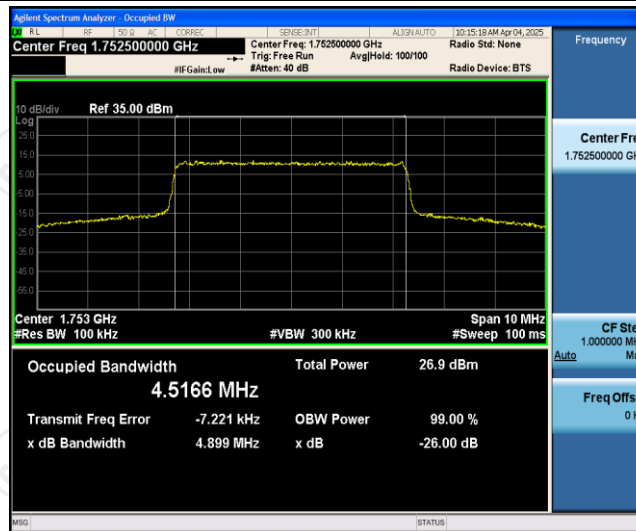
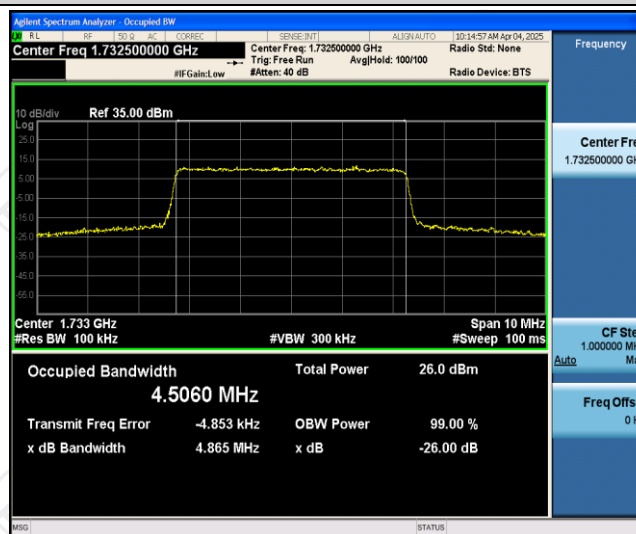




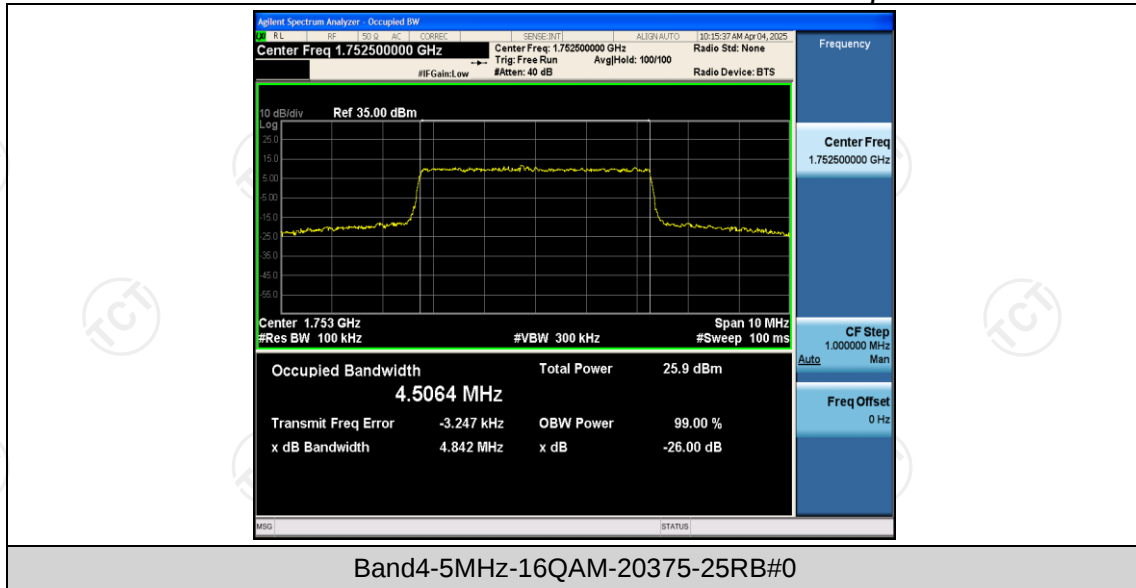
Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20175-25RB#0

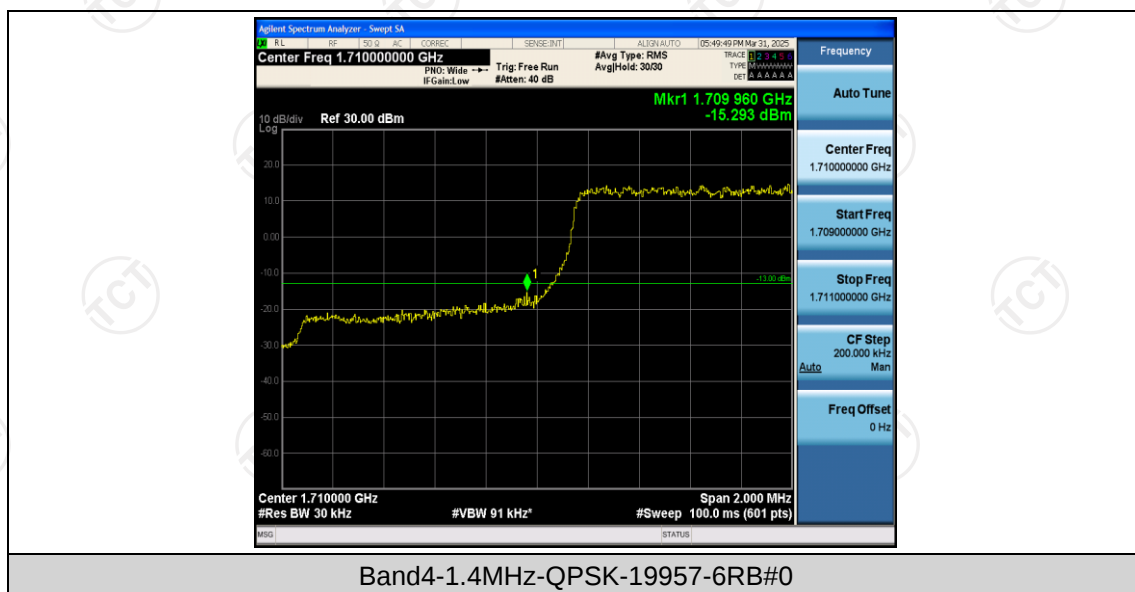


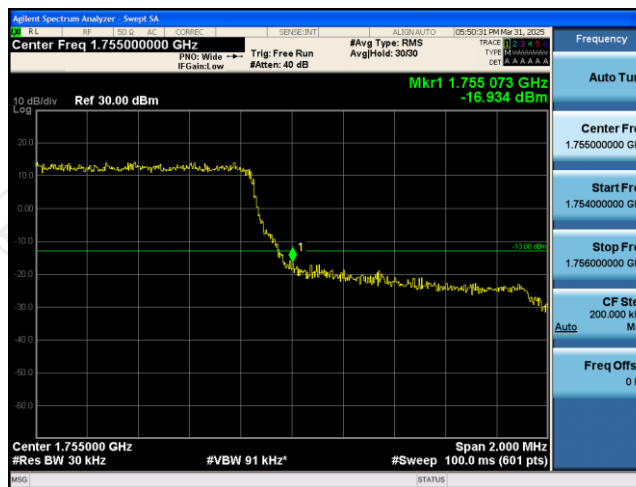
Appendix D: Band Edge

Test Result

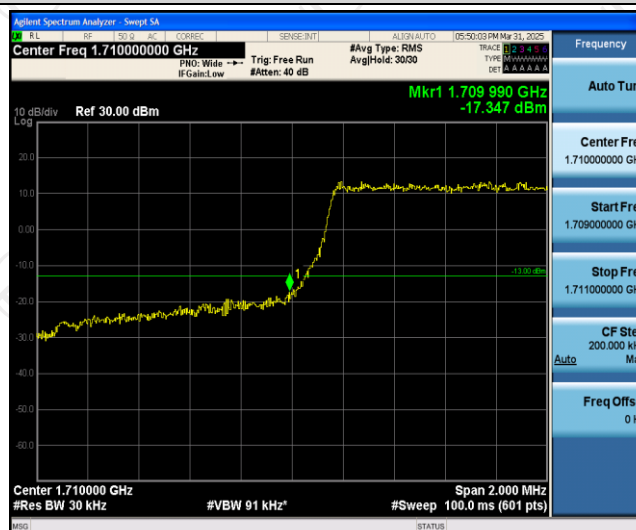
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-15.29	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-16.93	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-17.35	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-15.42	PASS
Band4	3MHz	QPSK	19965	15RB#0	-19.05	PASS
Band4	3MHz	QPSK	20385	15RB#0	-14.22	PASS
Band4	3MHz	16QAM	19965	15RB#0	-20.71	PASS
Band4	3MHz	16QAM	20385	15RB#0	-16.23	PASS
Band4	5MHz	QPSK	19975	25RB#0	-18.68	PASS
Band4	5MHz	QPSK	20375	25RB#0	-15.30	PASS
Band4	5MHz	16QAM	19975	25RB#0	-19.48	PASS
Band4	5MHz	16QAM	20375	25RB#0	-17.33	PASS

Test Graphs





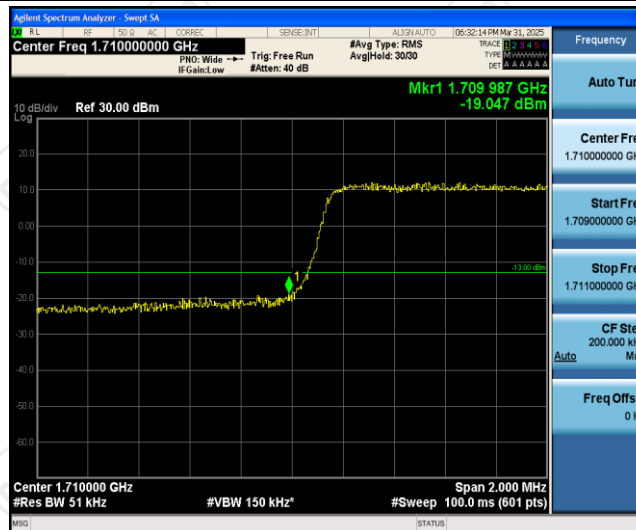
Band4-1.4MHz-QPSK-20393-6RB#0



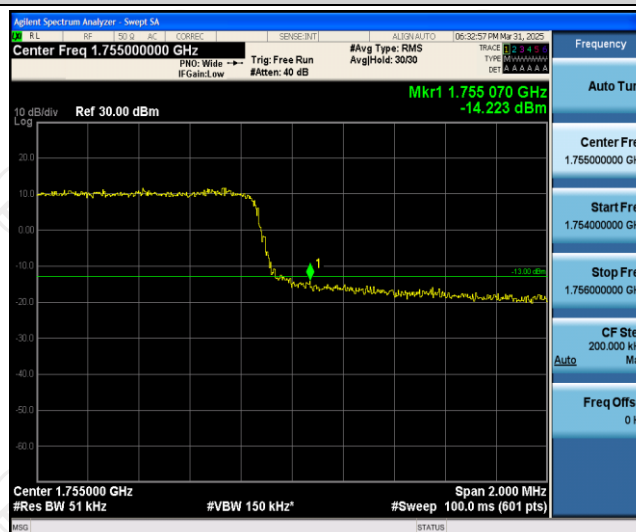
Band4-1.4MHz-16QAM-19957-6RB#0



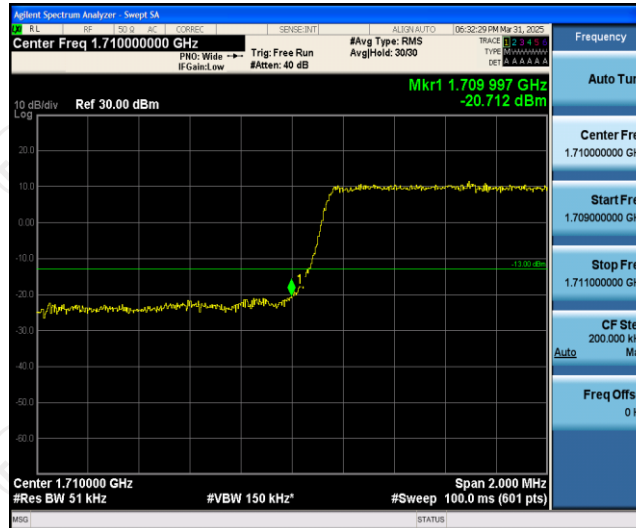
Band4-1.4MHz-16QAM-20393-6RB#0



Band4-3MHz-QPSK-19965-15RB#0



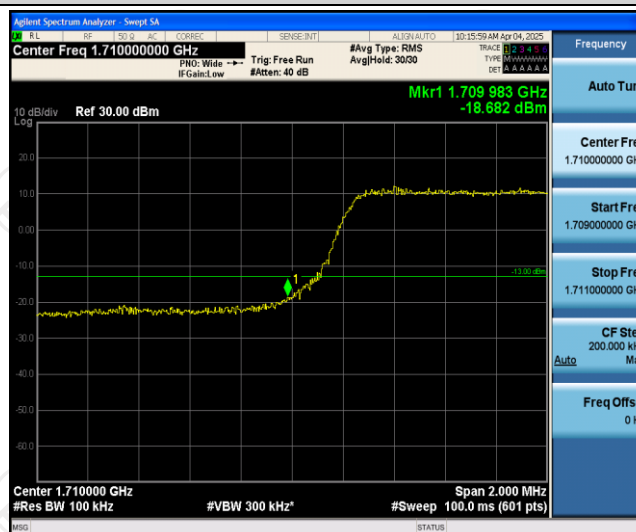
Band4-3MHz-QPSK-20385-15RB#0



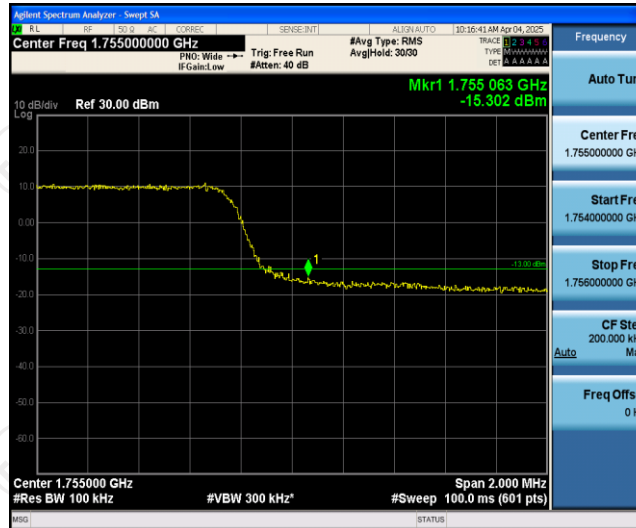
Band4-3MHz-16QAM-19965-15RB#0



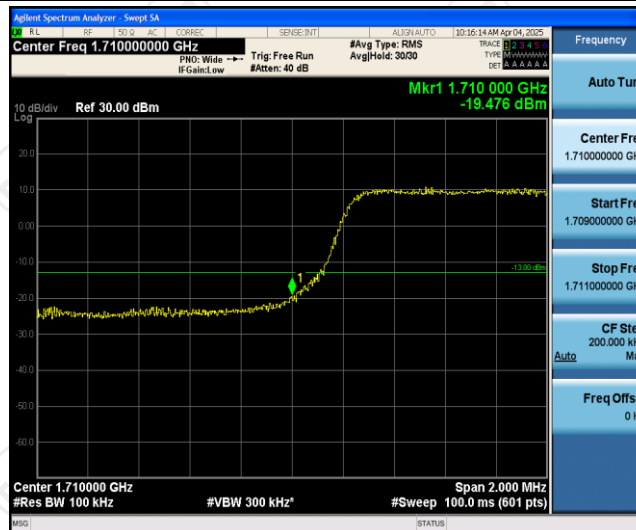
Band4-3MHz-16QAM-20385-15RB#0



Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-25RB#0



Band4-5MHz-16QAM-20375-25RB#0

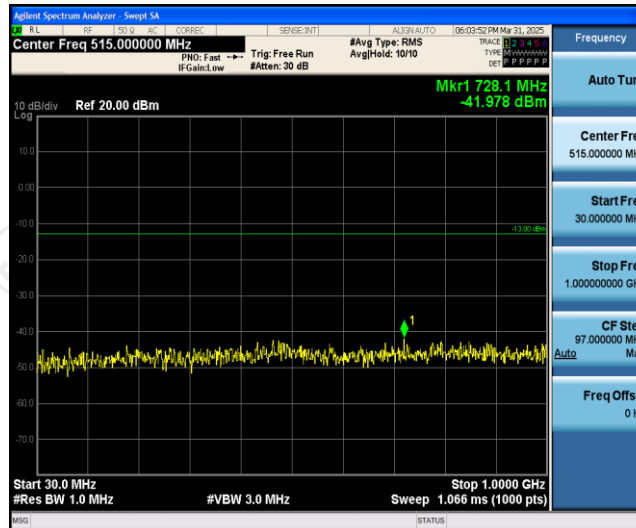
Appendix E: Conducted Spurious Emission

Test Result

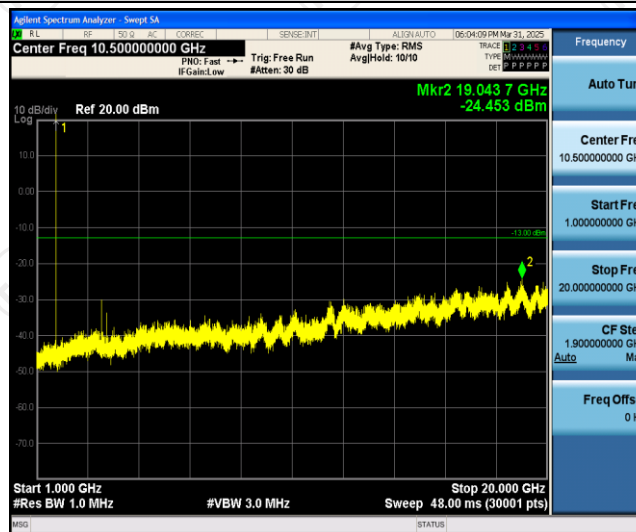
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-41.98	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-24.45	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-42.04	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-24.68	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-41.84	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-24.59	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-42.06	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-25.07	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-42.71	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-24.67	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-41.1	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-25.39	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-41.66	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~20000MHz	-24.24	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-41.76	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-24.37	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-41.31	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~20000MHz	-24.67	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-42.09	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~20000MHz	-24.79	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-42.17	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-24.69	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-42.11	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~20000MHz	-24.91	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-43.31	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~20000MHz	-25.99	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-42.29	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-25.69	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-42.32	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~20000MHz	-25.44	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-42.64	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~20000MHz	-25.73	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-42.88	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-26.31	PASS

Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-42.86	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~20000MHz	-26.05	PASS

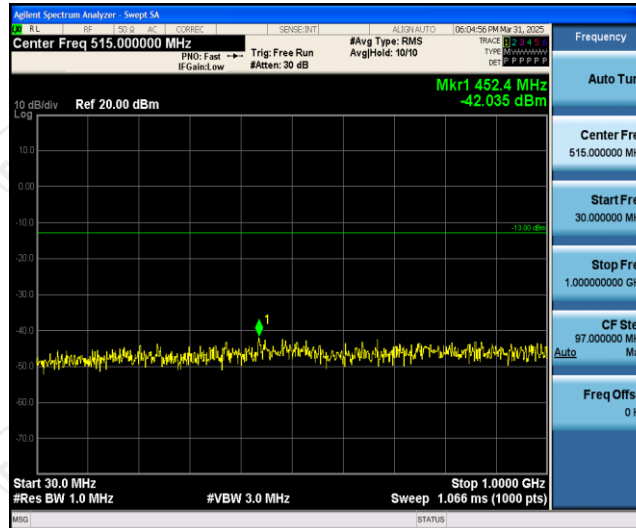
Test Graphs



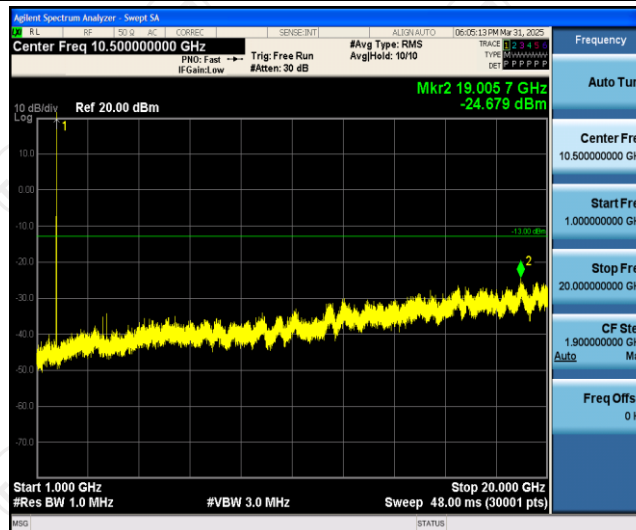
Band4-1.4MHz-QPSK-19957-1RB#0-Range1:30~1000MHz



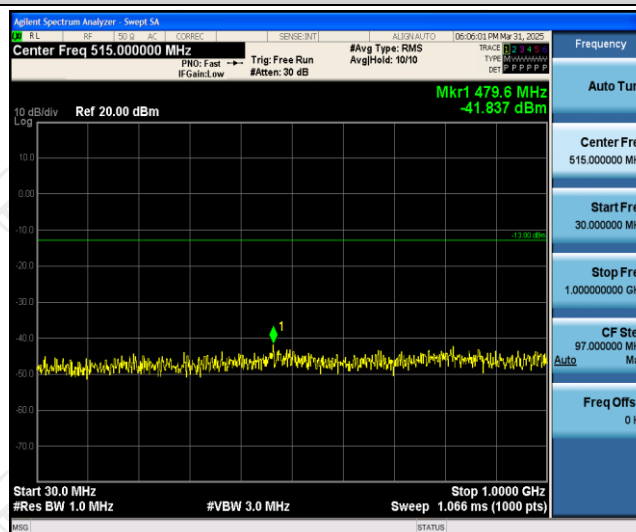
Band4-1.4MHz-QPSK-19957-1RB#0-Range2:1000~20000MHz



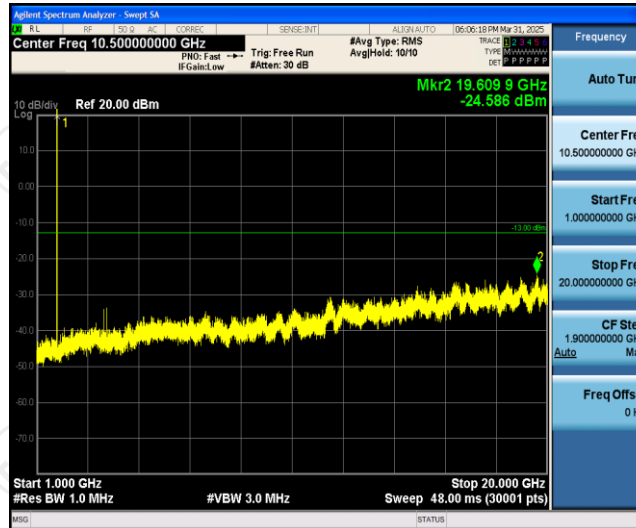
Band4-1.4MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



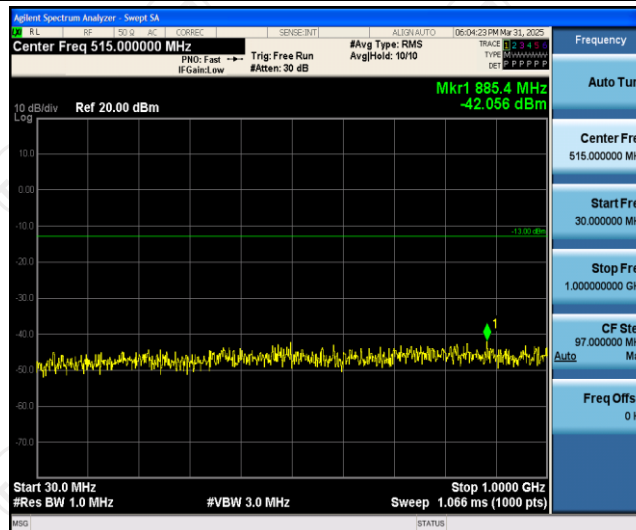
Band4-1.4MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



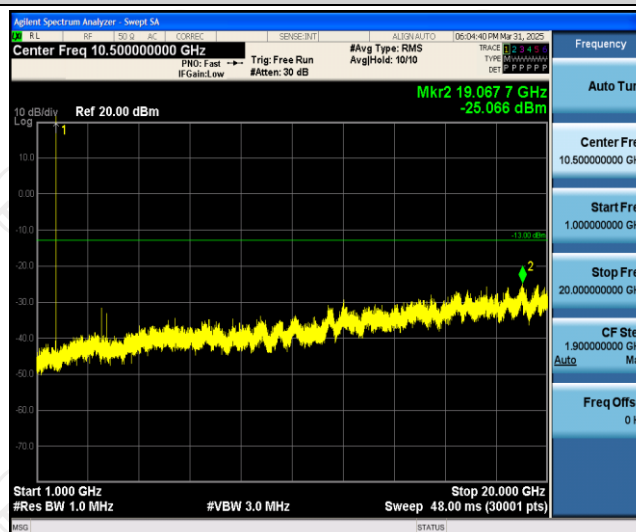
Band4-1.4MHz-QPSK-20393-1RB#0-Range1:30~1000MHz



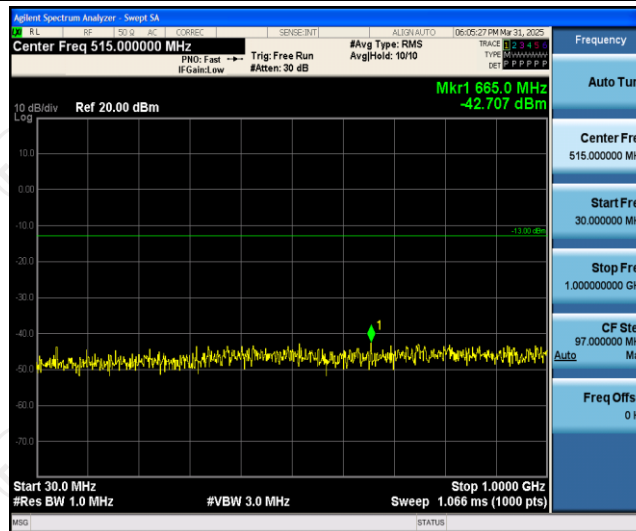
Band4-1.4MHz-QPSK-20393-1RB#0-Range2:1000~20000MHz



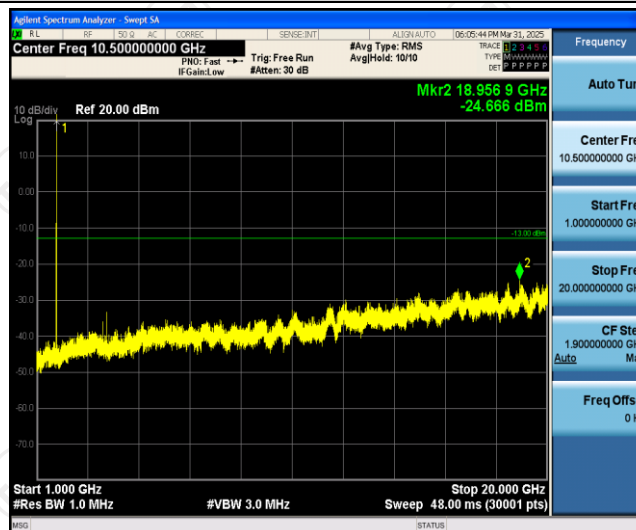
Band4-1.4MHz-16QAM-19957-1RB#0-Range1:30~1000MHz



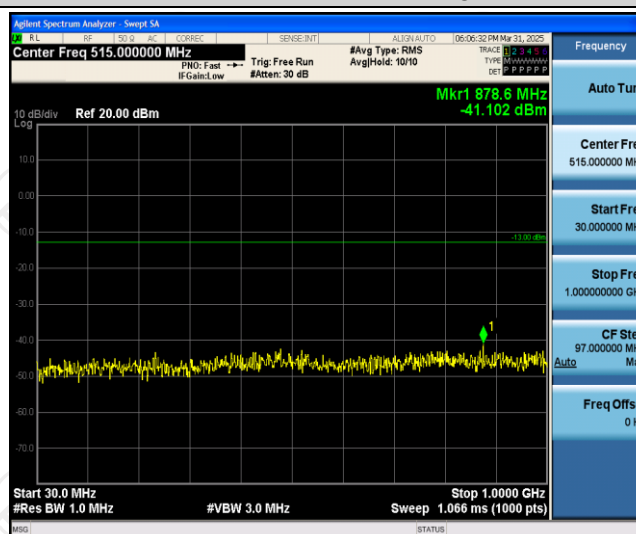
Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~20000MHz



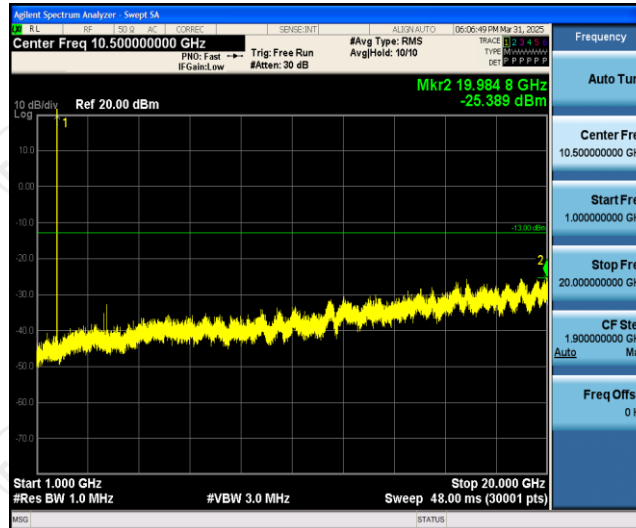
Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



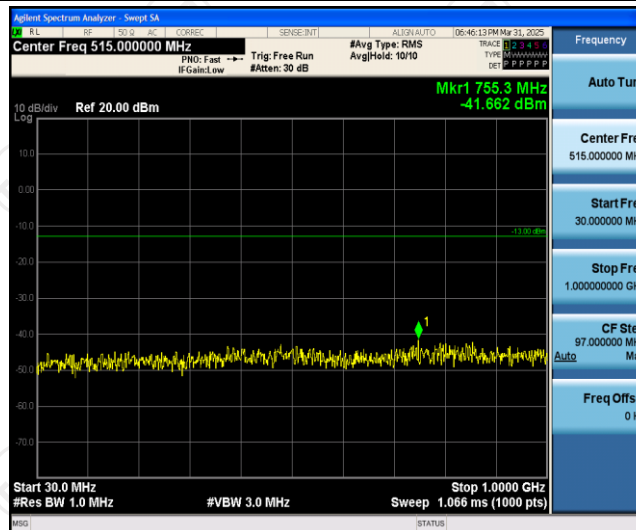
Band4-1.4MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



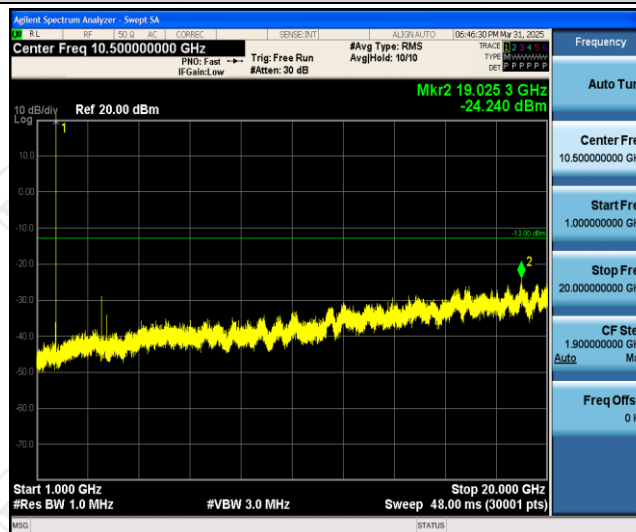
Band4-1.4MHz-16QAM-20393-1RB#0-Range1:30~1000MHz



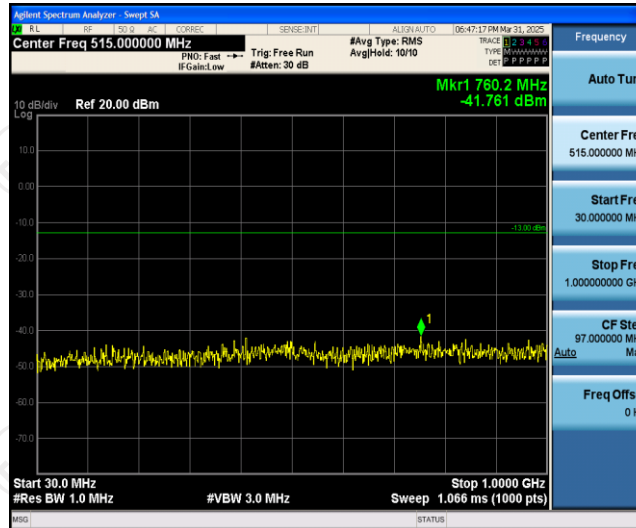
Band4-1.4MHz-16QAM-20393-1RB#0-Range2:1000~20000MHz



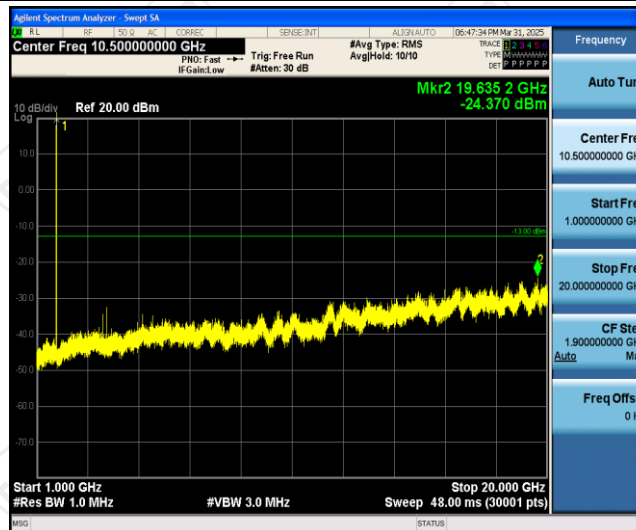
Band4-3MHz-QPSK-19965-1RB#0-Range1:30~1000MHz



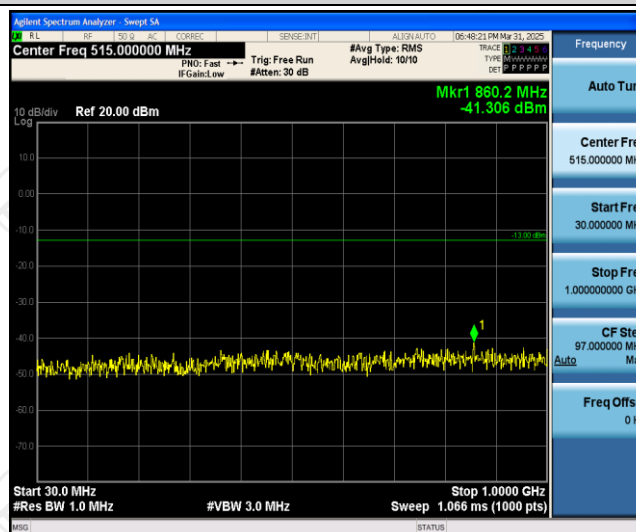
Band4-3MHz-QPSK-19965-1RB#0-Range2:1000~20000MHz



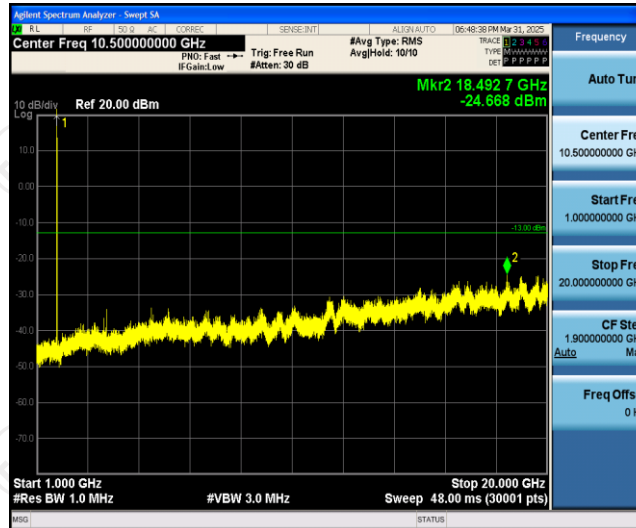
Band4-3MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



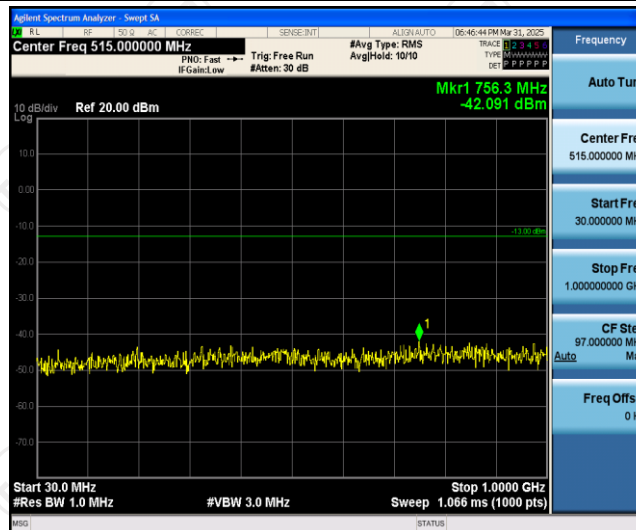
Band4-3MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



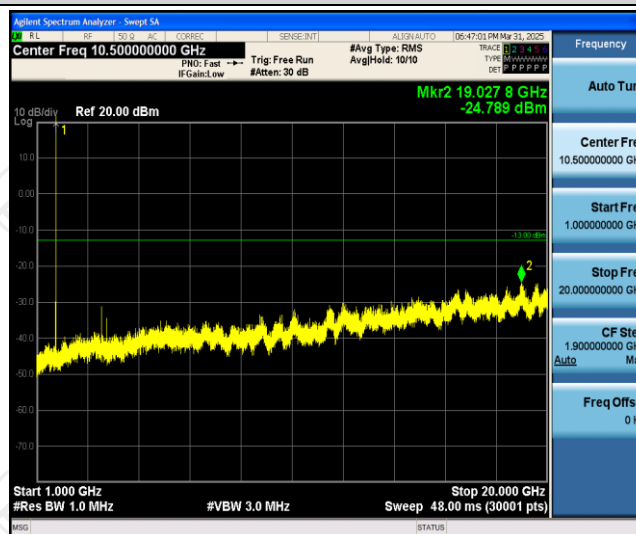
Band4-3MHz-QPSK-20385-1RB#0-Range1:30~1000MHz



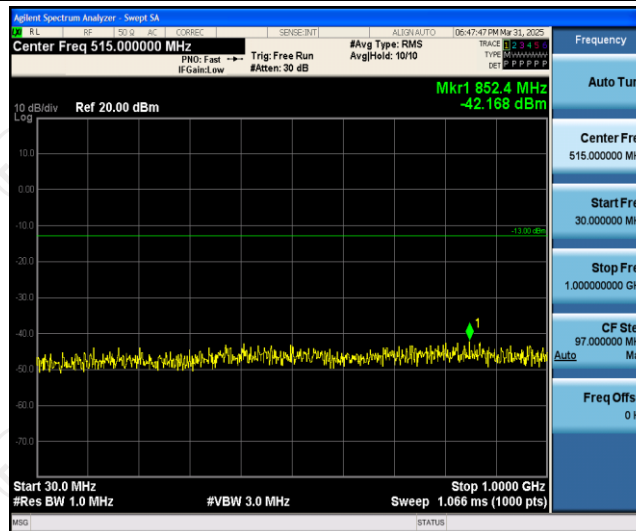
Band4-3MHz-QPSK-20385-1RB#0-Range2:1000~20000MHz



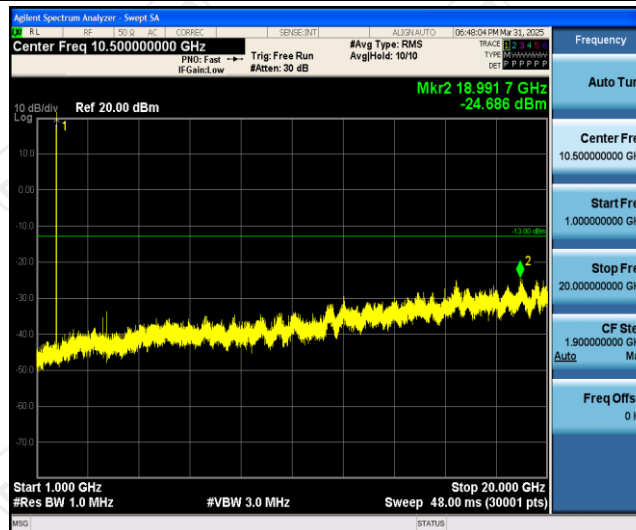
Band4-3MHz-16QAM-19965-1RB#0-Range1:30~1000MHz



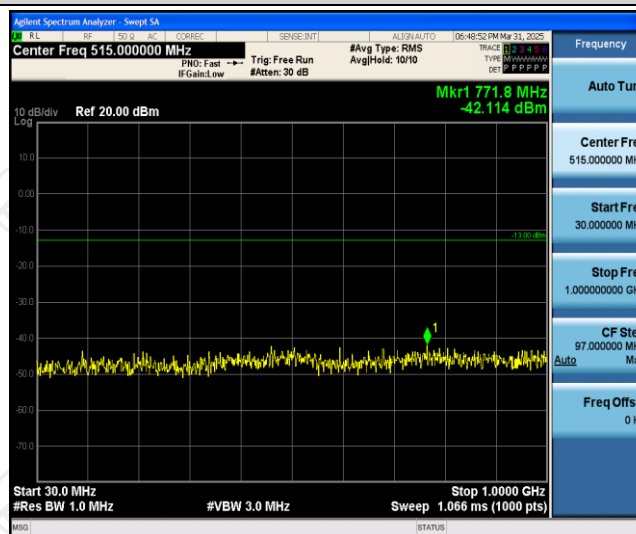
Band4-3MHz-16QAM-19965-1RB#0-Range2:1000~20000MHz



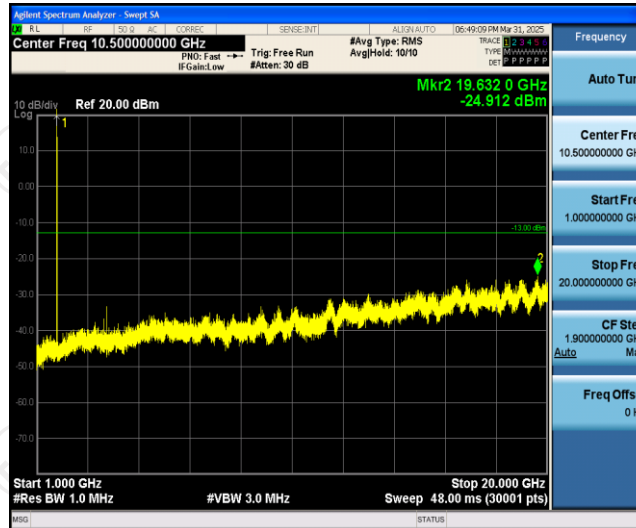
Band4-3MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



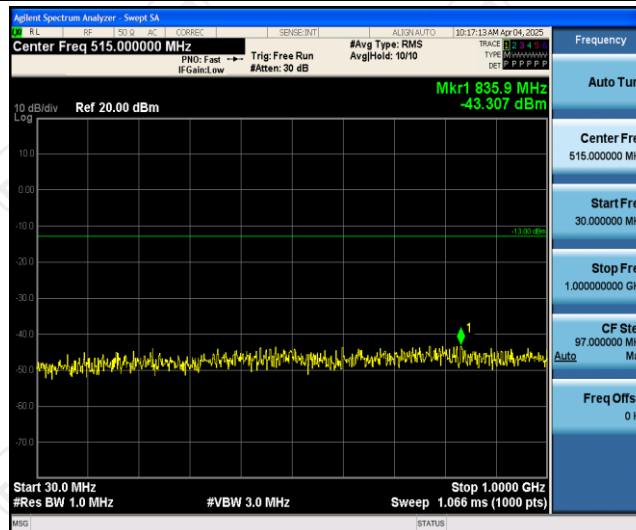
Band4-3MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



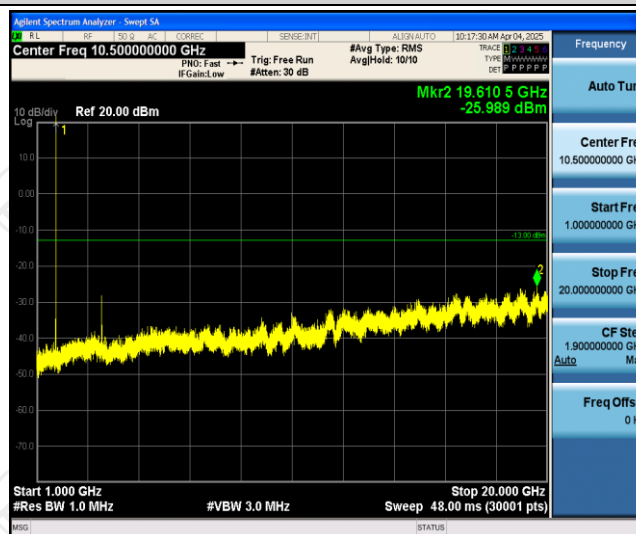
Band4-3MHz-16QAM-20385-1RB#0-Range1:30~1000MHz



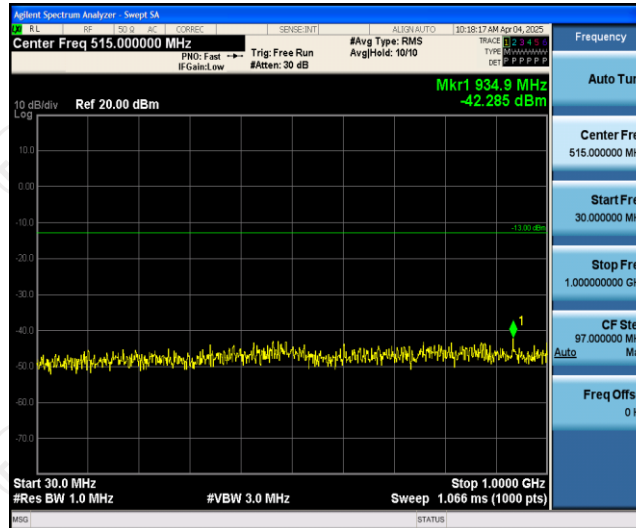
Band4-3MHz-16QAM-20385-1RB#0-Range2:1000~20000MHz



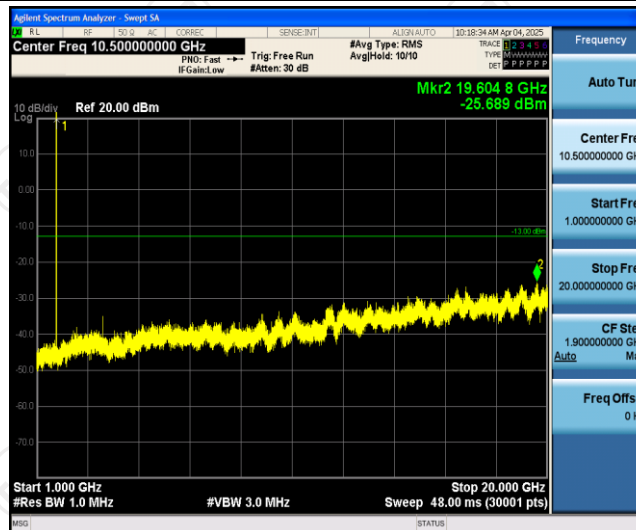
Band4-5MHz-QPSK-19975-1RB#0-Range1:30~1000MHz



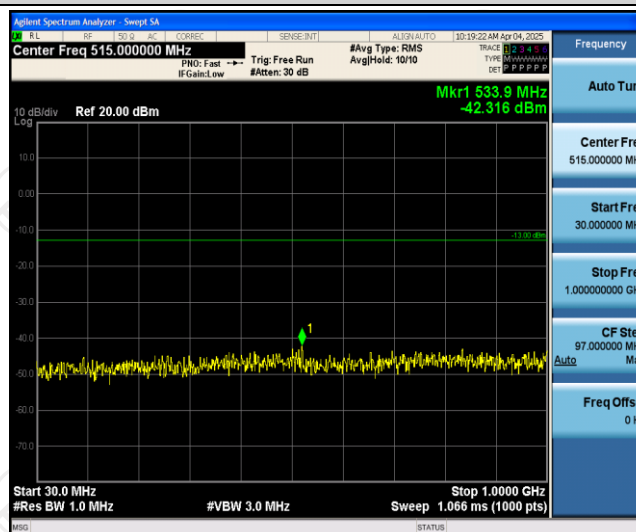
Band4-5MHz-QPSK-19975-1RB#0-Range2:1000~20000MHz



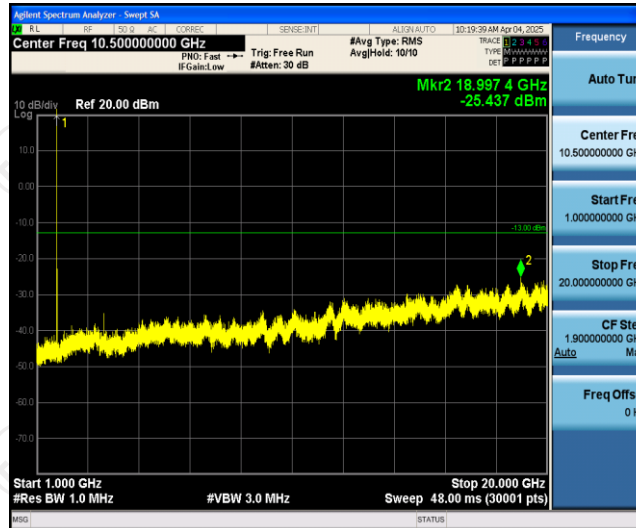
Band4-5MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



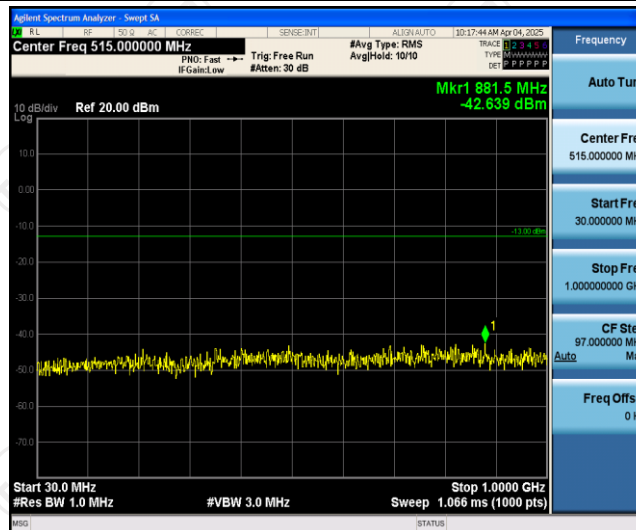
Band4-5MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



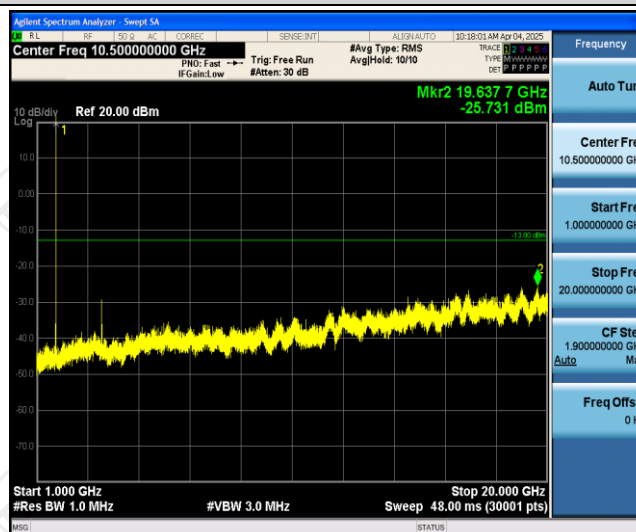
Band4-5MHz-QPSK-20375-1RB#0-Range1:30~1000MHz



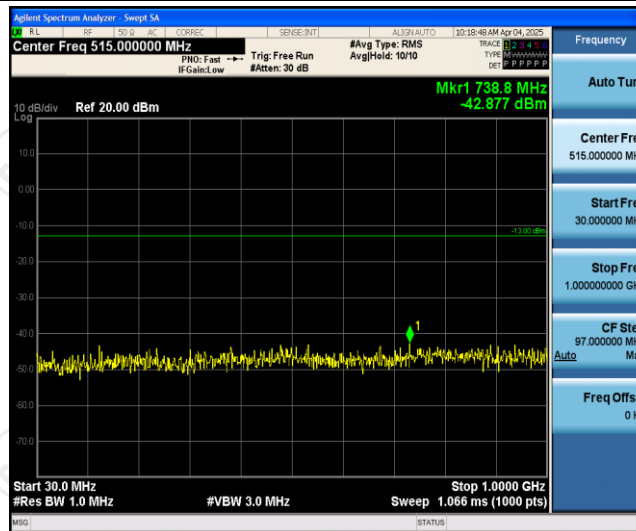
Band4-5MHz-QPSK-20375-1RB#0-Range2:1000~20000MHz



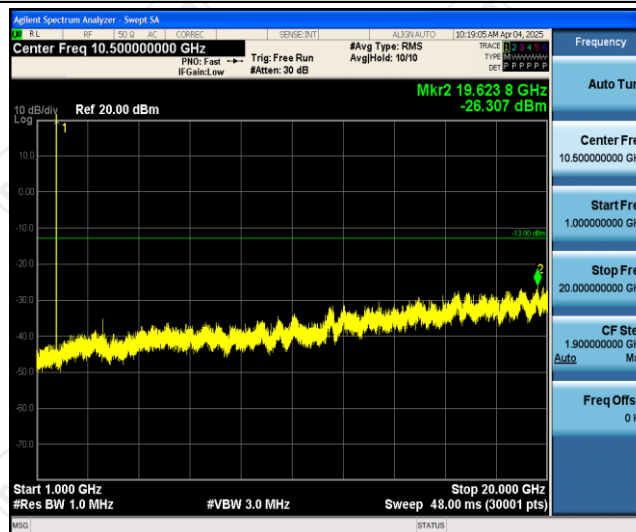
Band4-5MHz-16QAM-19975-1RB#0-Range1:30~1000MHz



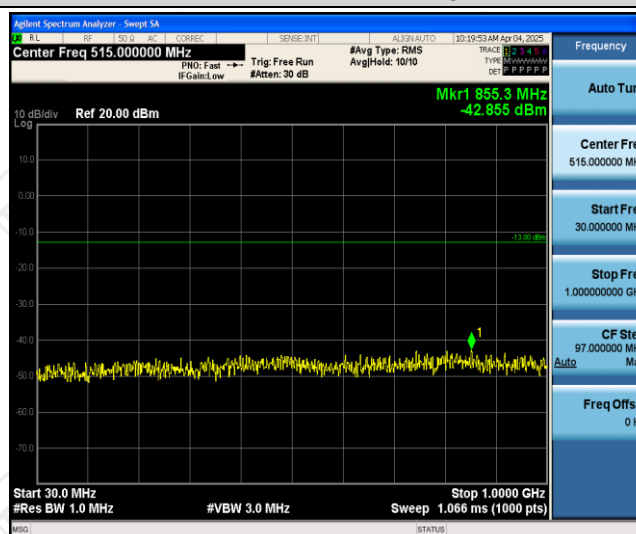
Band4-5MHz-16QAM-19975-1RB#0-Range2:1000~20000MHz



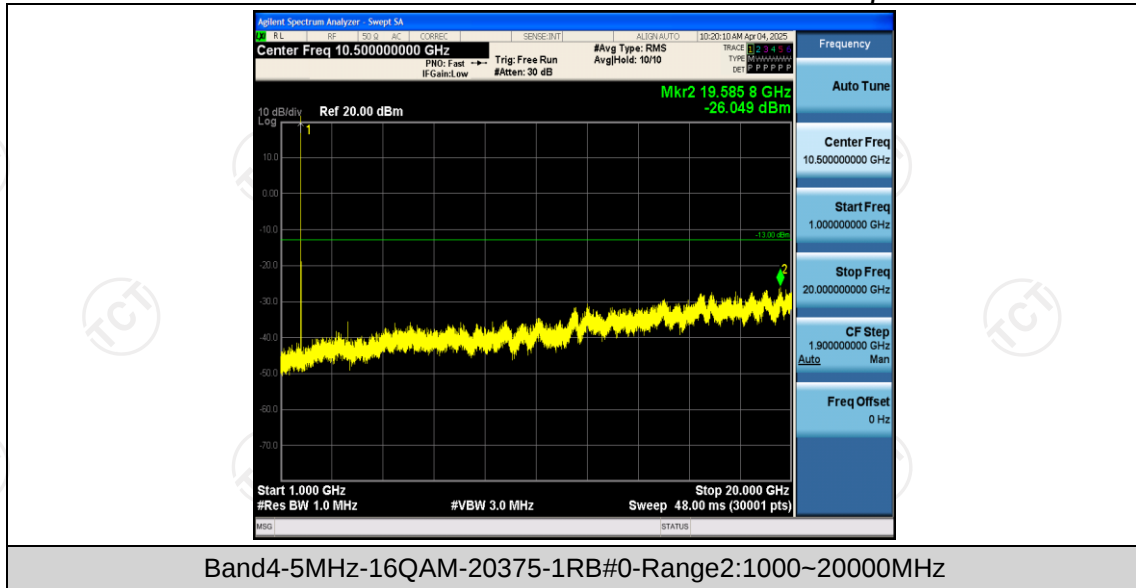
Band4-5MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



Band4-5MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



Band4-5MHz-16QAM-20375-1RB#0-Range1:30~1000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	-20.96	-0.012252	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	-21.07	-0.012317	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	-23.46	-0.013714	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-14.79	-0.008537	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	18.80	0.010851	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-25.26	-0.014580	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-26.73	-0.015237	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	21.20	0.012085	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-23.75	-0.013538	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	-20.86	-0.012194	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	-25.88	-0.015128	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	-22.86	-0.013363	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-28.35	-0.016364	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	-28.45	-0.016421	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	-31.44	-0.018147	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	-24.96	-0.014228	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-21.81	-0.012432	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-16.94	-0.009656	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-30	-26.32	-0.015386	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	-21.95	-0.012831	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-13.50	-0.007892	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-27.93	-0.016327	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-13.49	-0.007886	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-19.84	-0.011452	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-27.51	-0.015879	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-27.05	-0.015613	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-31.08	-0.017939	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-27.51	-0.015879	±2.5	PASS

Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-31.00	-0.017671	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-25.97	-0.014804	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-16.28	-0.009280	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-20.83	-0.011874	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-16.83	-0.009594	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	-25.51	-0.014912	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	-14.66	-0.008570	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	-24.47	-0.014304	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	-15.34	-0.008967	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	-29.71	-0.017367	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	-28.23	-0.016294	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	-26.06	-0.015042	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	-24.58	-0.014188	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-25.39	-0.014655	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-15.69	-0.009056	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-20.35	-0.011600	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-26.07	-0.014861	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-16.33	-0.009309	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-18.78	-0.010705	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-28.49	-0.016240	±2.5	PASS