Band2-5MHz-QPSK-19175-25RB#0

Band2-5MHz-16QAM-18625-25RB#0

Band2-5MHz-16QAM-18900-25RB#0

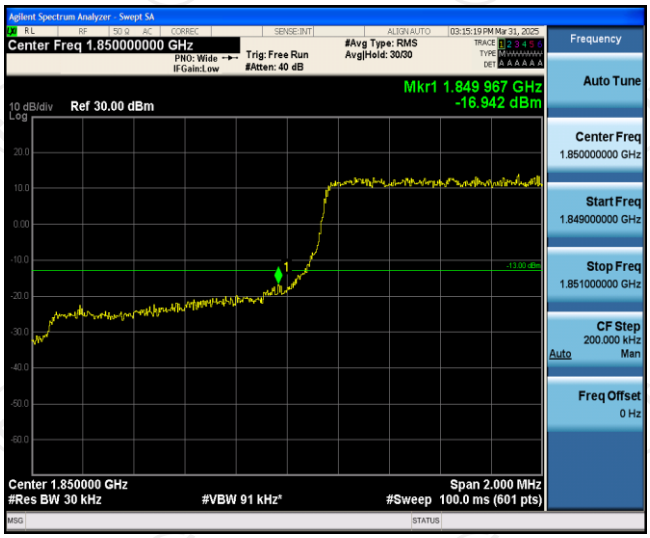
Band2-5MHz-16QAM-19175-25RB#0

Appendix D: Band Edge

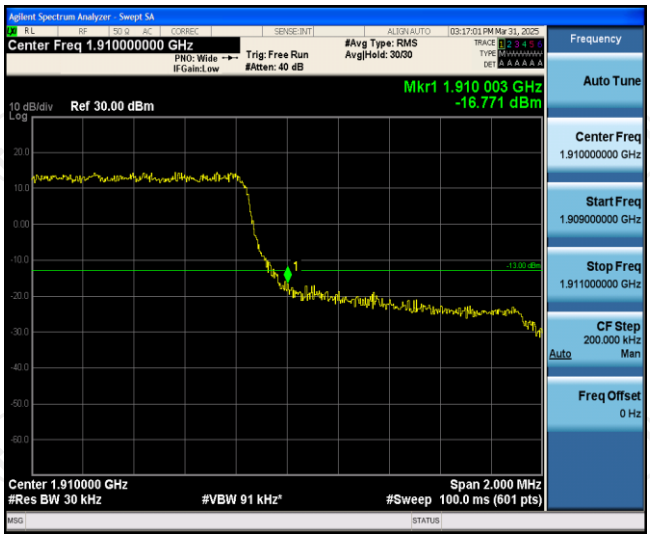
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-16.94	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-16.77	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-19.24	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-18.69	PASS
Band2	3MHz	QPSK	18615	15RB#0	-18.16	PASS
Band2	3MHz	QPSK	19185	15RB#0	-18.37	PASS
Band2	3MHz	16QAM	18615	15RB#0	-22.30	PASS
Band2	3MHz	16QAM	19185	15RB#0	-20.35	PASS
Band2	5MHz	QPSK	18625	25RB#0	-18.43	PASS
Band2	5MHz	QPSK	19175	25RB#0	-18.87	PASS
Band2	5MHz	16QAM	18625	25RB#0	-20.72	PASS
Band2	5MHz	16QAM	19175	25RB#0	-19.47	PASS

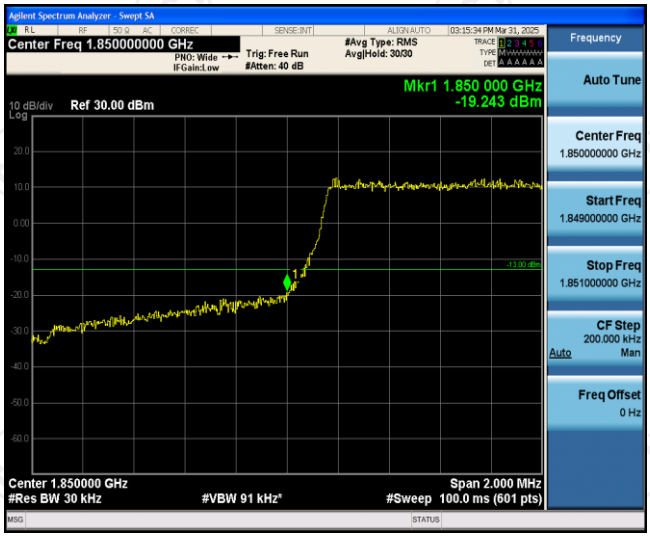
Test Graphs



Band2-1.4MHz-QPSK-18607-6RB#0

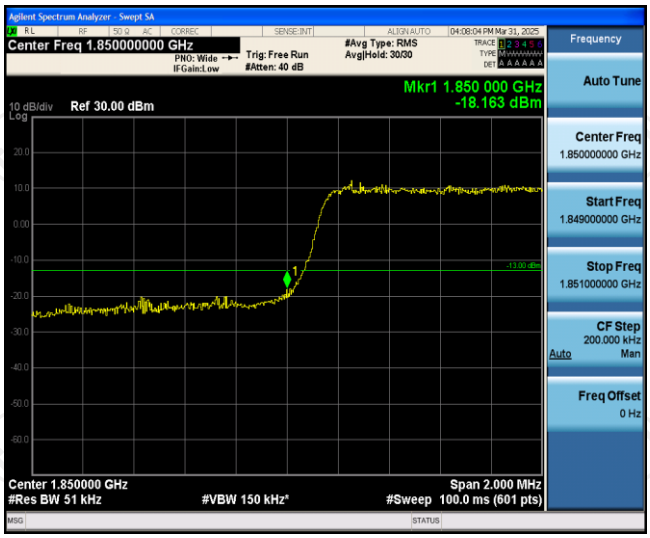


Band2-1.4MHz-QPSK-19193-6RB#0

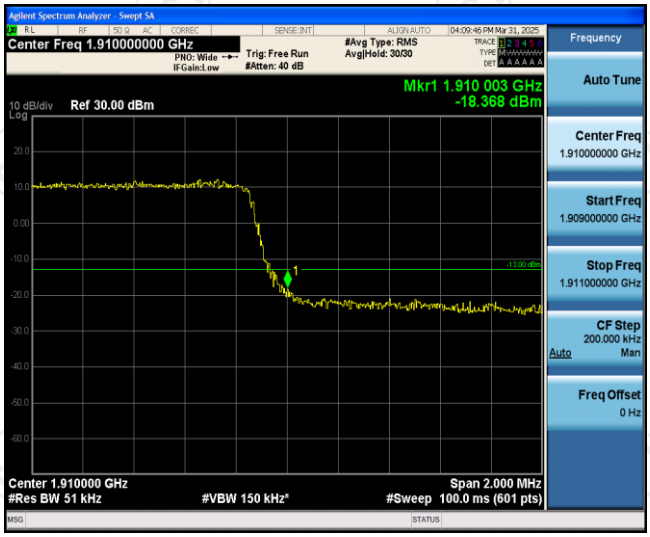


Band2-1.4MHz-16QAM-18607-6RB#0

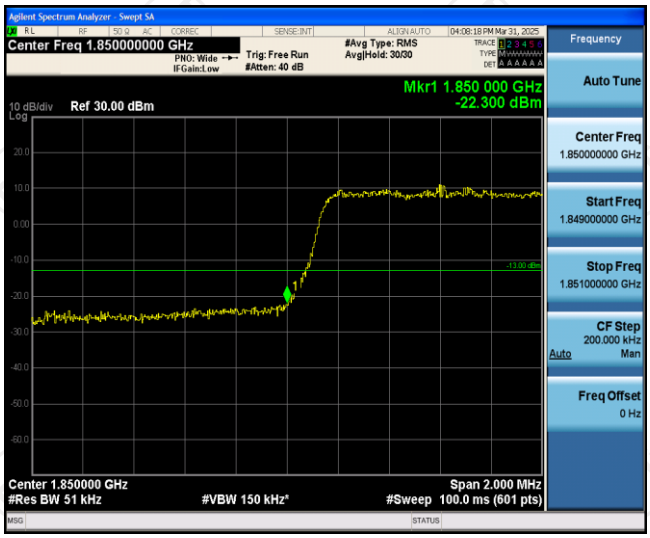
Band2-1.4MHz-16QAM-19193-6RB#0



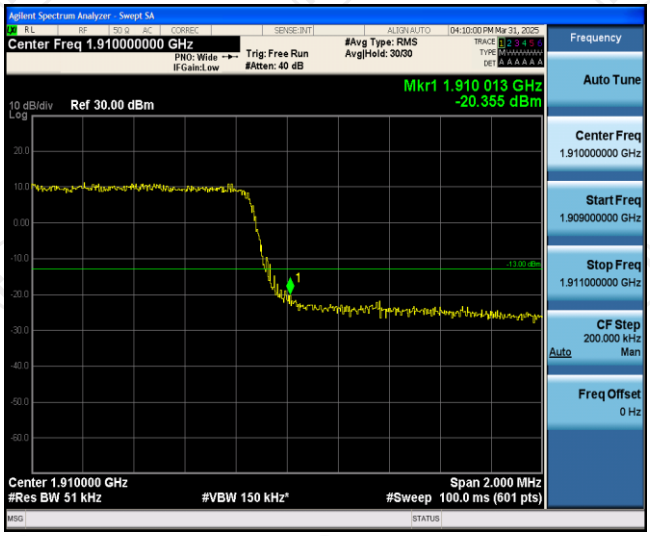
Band2-3MHz-QPSK-18615-15RB#0



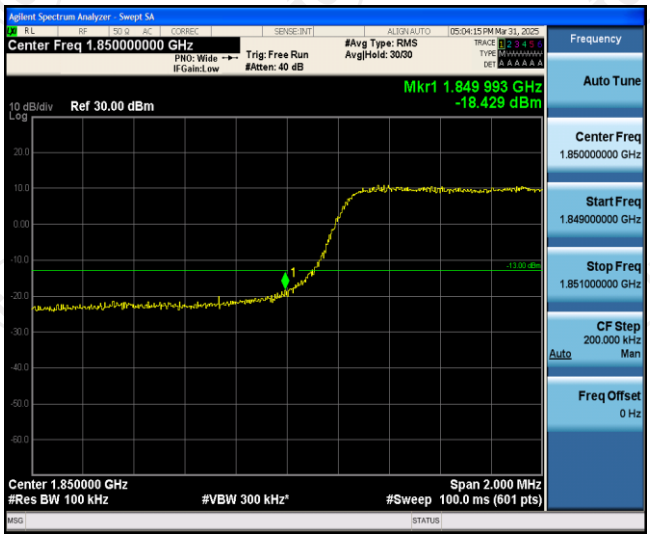
Band2-3MHz-QPSK-19185-15RB#0



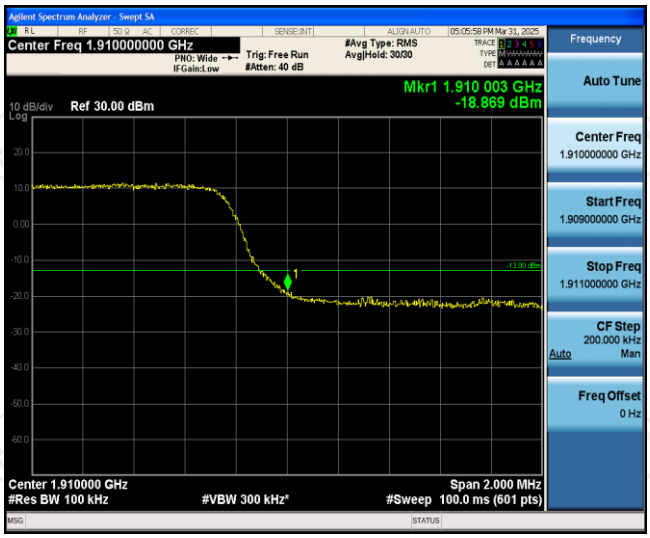
Band2-3MHz-16QAM-18615-15RB#0



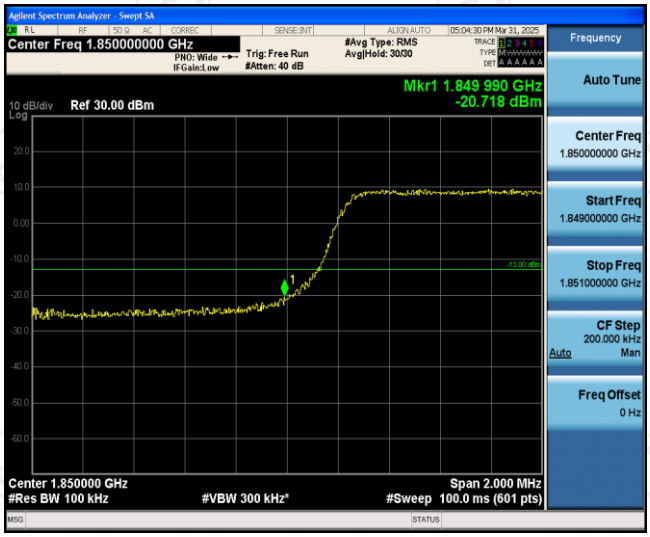
Band2-3MHz-16QAM-19185-15RB#0



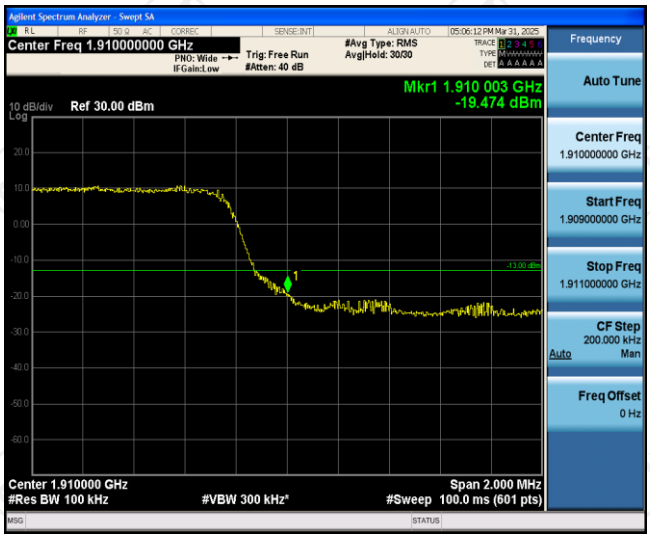
Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-19175-25RB#0



Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-19175-25RB#0

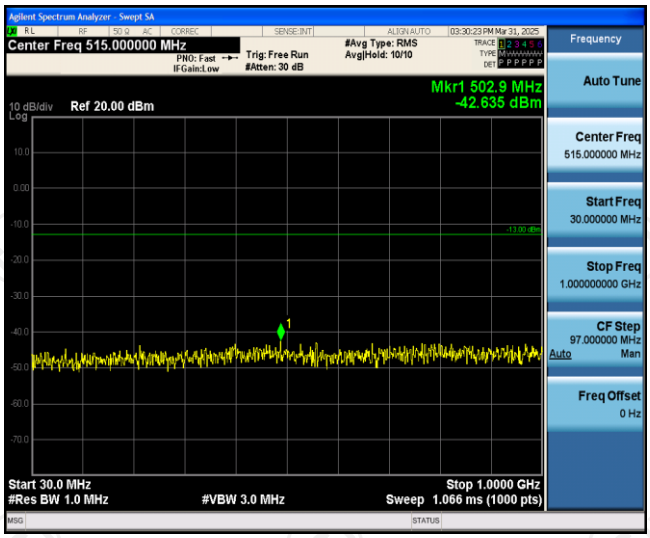
Appendix E: Conducted Spurious Emission

Test Result

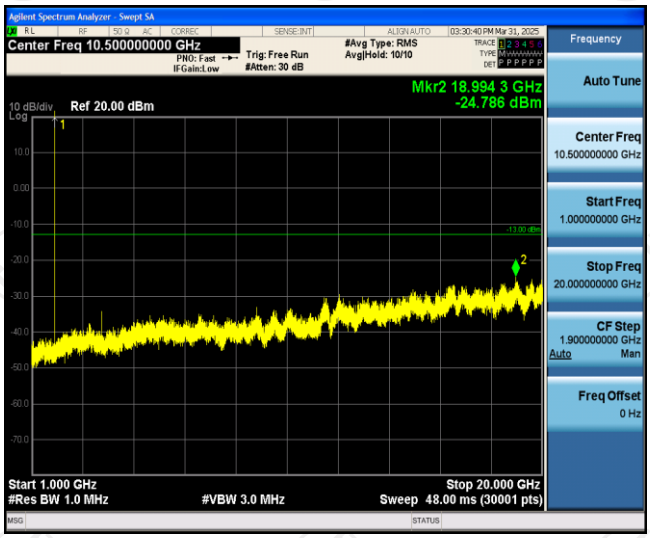
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	Range1:30~1000MHz	-42.64	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-24.79	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-42.4	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-24.65	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-41.63	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-24.49	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-41.83	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-24.95	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-41.84	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-24.99	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-42.08	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-24.4	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range1:30~1000MHz	-40.75	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range2:1000~20000MHz	-24.59	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-41.13	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-24.41	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range1:30~1000MHz	-41.59	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range2:1000~20000MHz	-24.69	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range1:30~1000MHz	-41.44	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range2:1000~20000MHz	-24.7	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-42.21	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-25.14	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range1:30~1000MHz	-41.8	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range2:1000~20000MHz	-24.91	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range1:30~1000MHz	-41.86	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range2:1000~20000MHz	-24.37	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-42.29	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-24.39	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range1:30~1000MHz	-41.73	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range2:1000~20000MHz	-24.59	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range1:30~1000MHz	-41.47	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range2:1000~20000MHz	-24.5	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-41.76	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-25.01	PASS

Band2	5MHz	16QAM	19175	1RB#0	Range1:30~1000MHz	-41.22	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range2:1000~20000MHz	-23.78	PASS

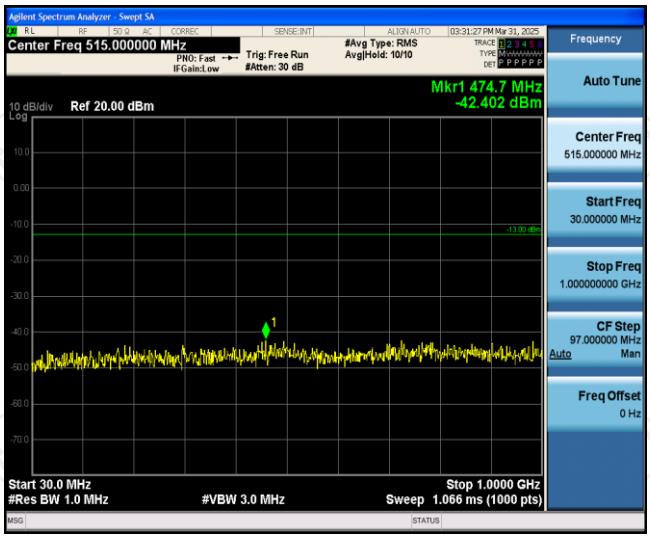
Test Graphs



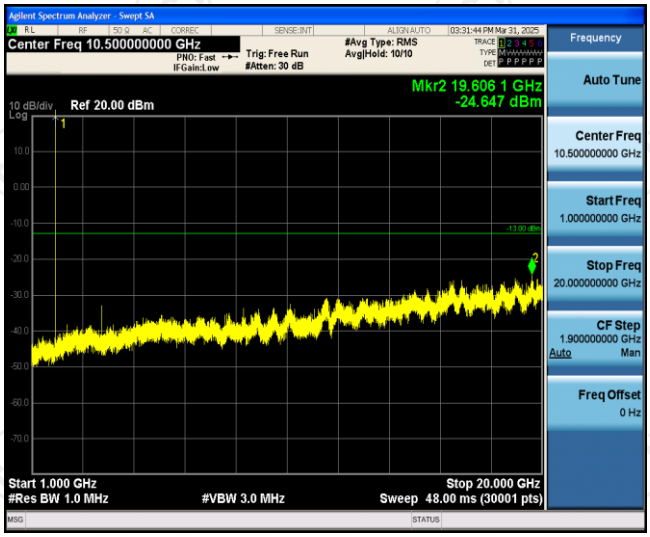
Band2-1.4MHz-QPSK-18607-1RB#0-Range1:30~1000MHz



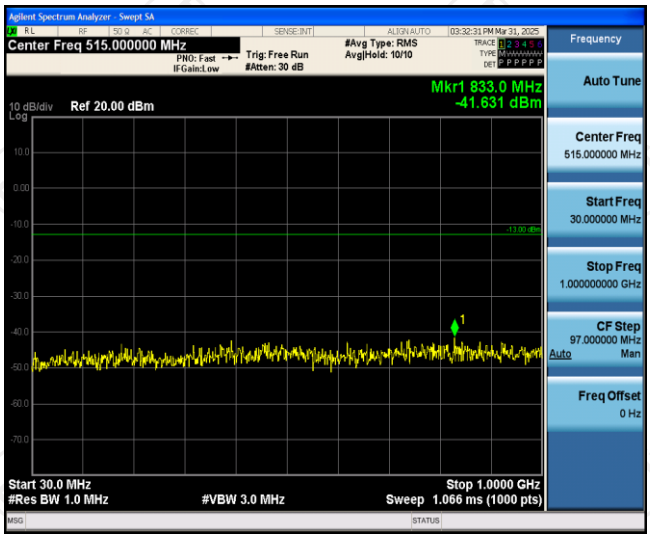
Band2-1.4MHz-QPSK-18607-1RB#0-Range2:1000~20000MHz



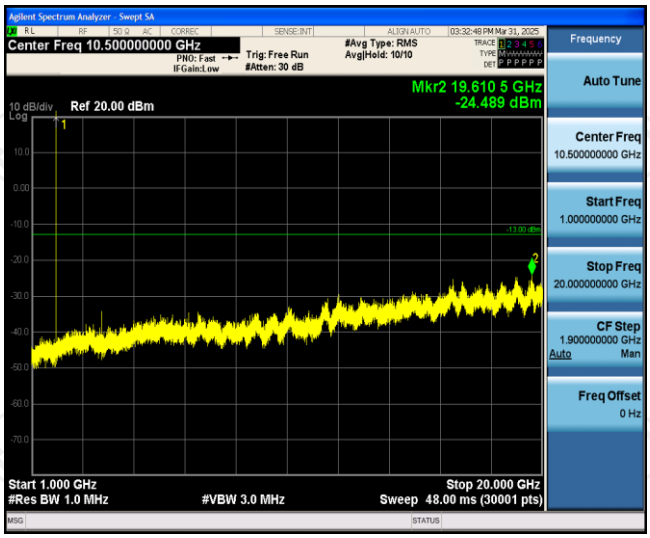
Band2-1.4MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



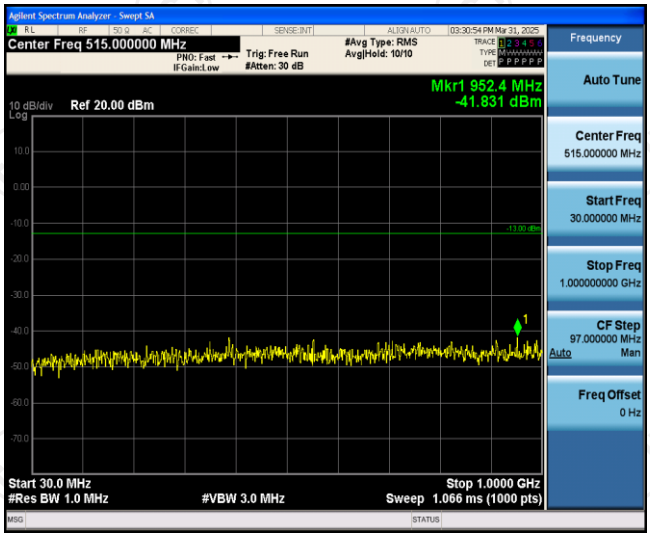
Band2-1.4MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



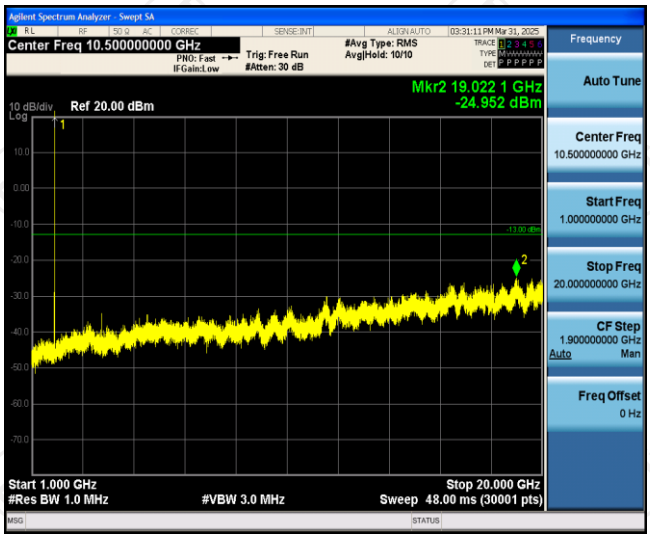
Band2-1.4MHz-QPSK-19193-1RB#0-Range1:30~1000MHz



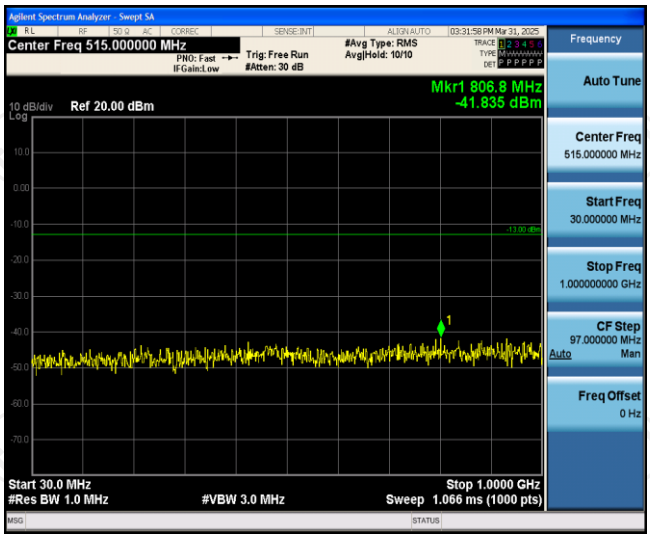
Band2-1.4MHz-QPSK-19193-1RB#0-Range2:1000~20000MHz



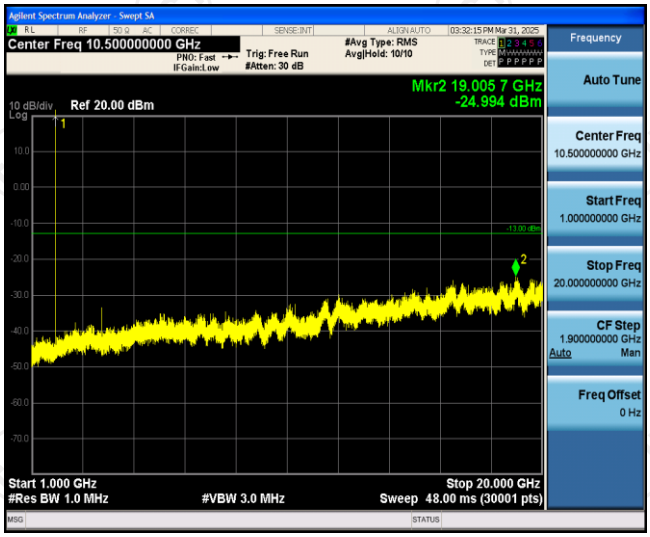
Band2-1.4MHz-16QAM-18607-1RB#0-Range1:30~1000MHz



Band2-1.4MHz-16QAM-18607-1RB#0-Range2:1000~20000MHz



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



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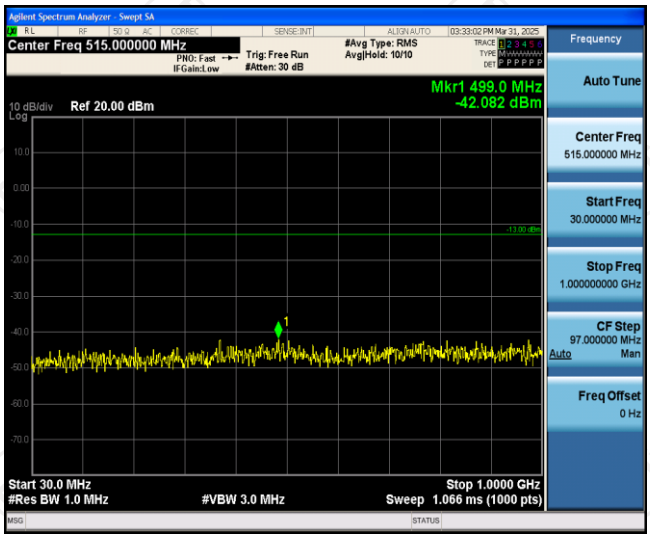
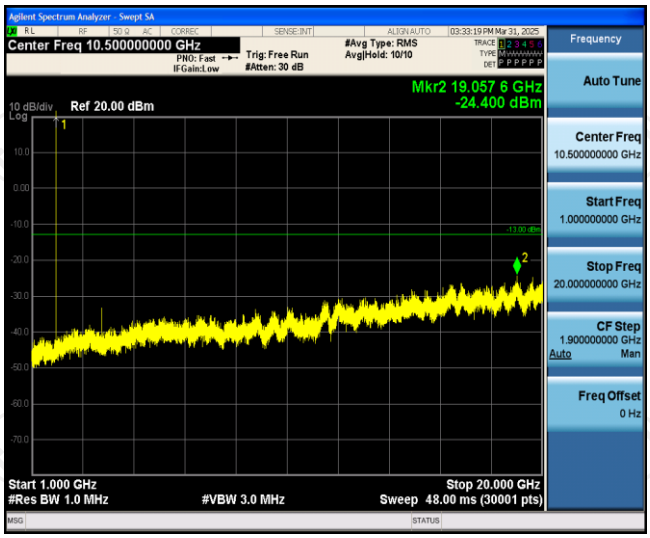
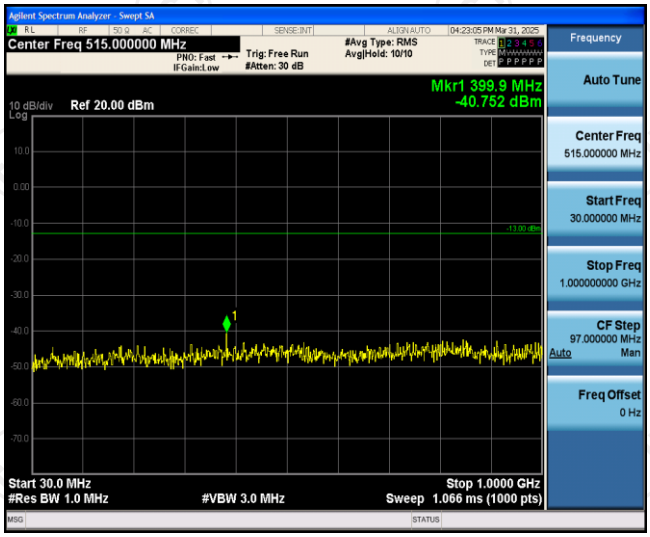


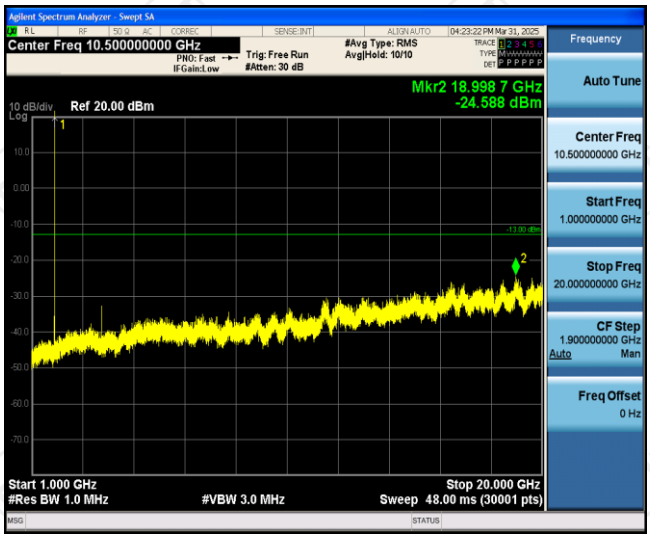
Band2-1.4MHz-16QAM-19193-1RB#0-Range1:30~1000MHz



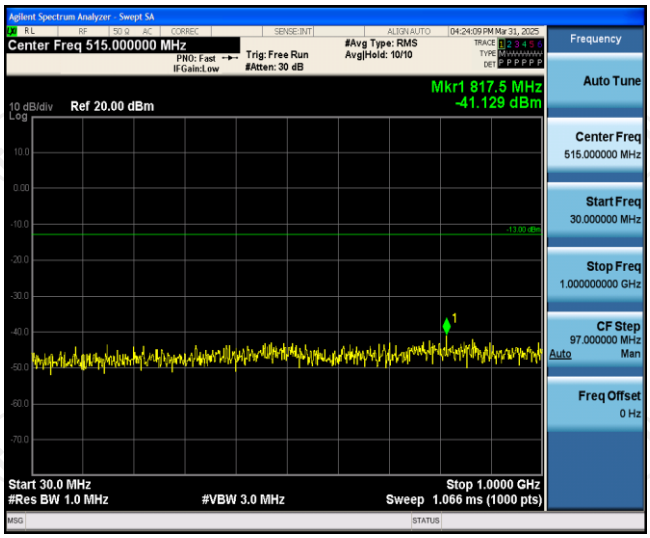
Band2-1.4MHz-16QAM-19193-1RB#0-Range2:1000~20000MHz



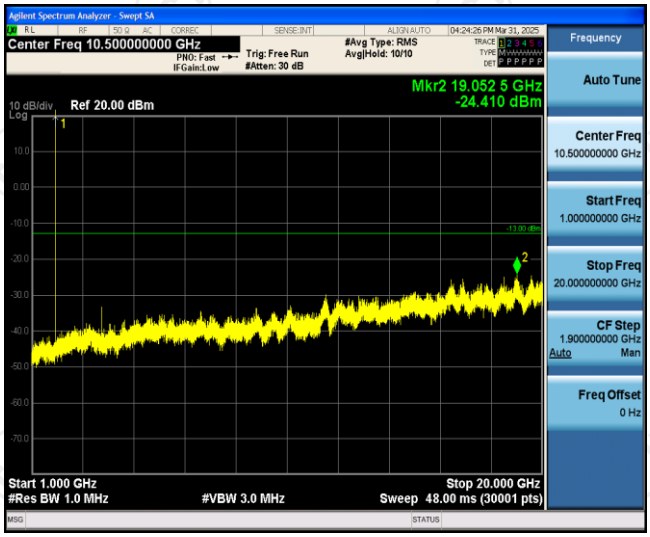
Band2-3MHz-QPSK-18615-1RB#0-Range1:30~1000MHz



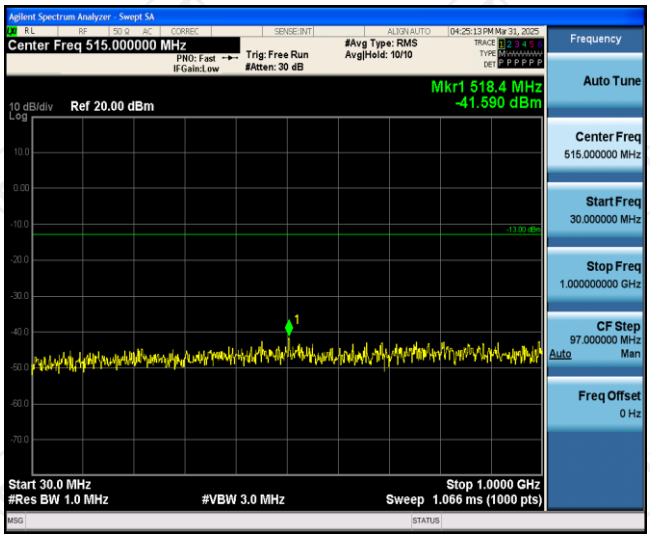
Band2-3MHz-QPSK-18615-1RB#0-Range2:1000~20000MHz



Band2-3MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

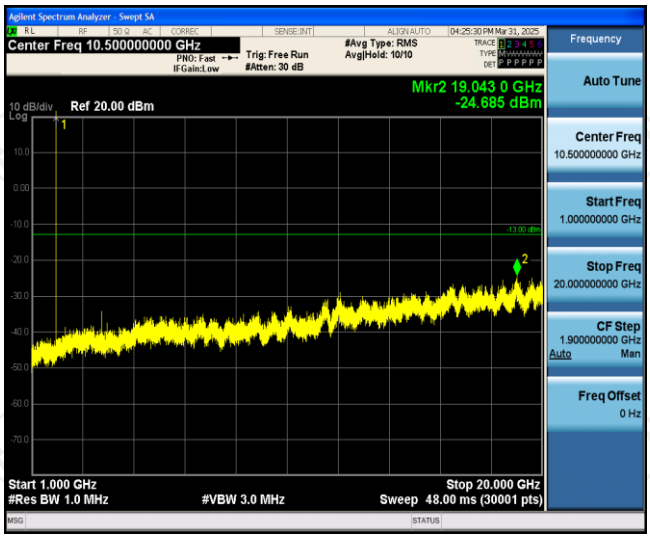


Band2-3MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz

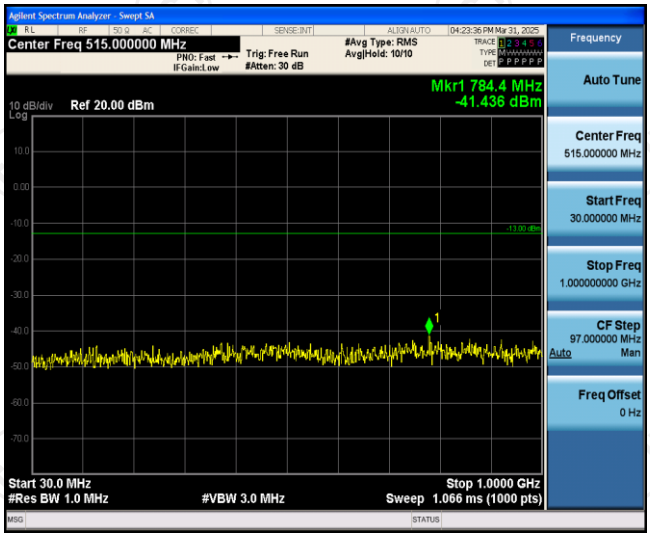


Band2-3MHz-QPSK-19185-1RB#0-Range1:30~1000MHz

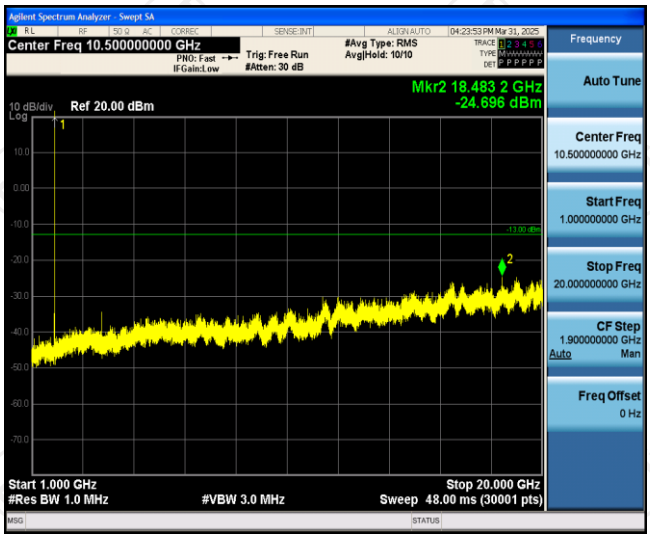
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



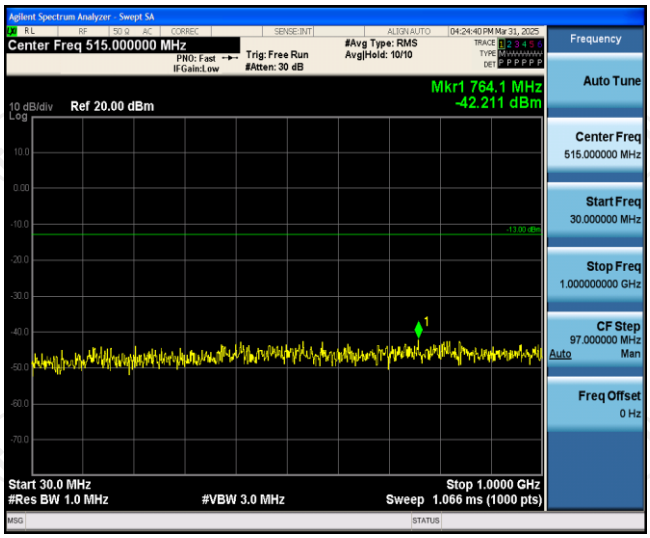
Band2-3MHz-QPSK-19185-1RB#0-Range2:1000~20000MHz



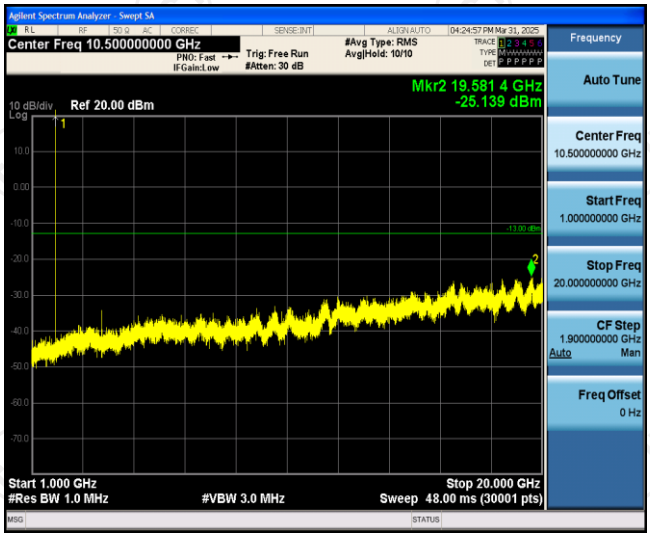
Band2-3MHz-16QAM-18615-1RB#0-Range1:30~1000MHz



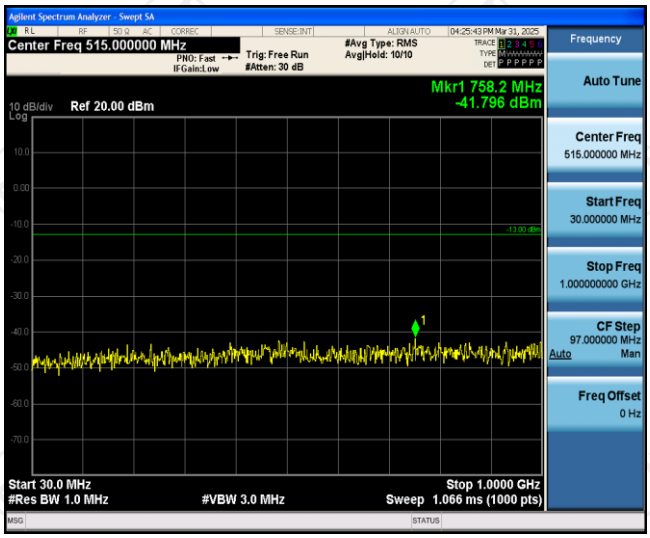
Band2-3MHz-16QAM-18615-1RB#0-Range2:1000~20000MHz



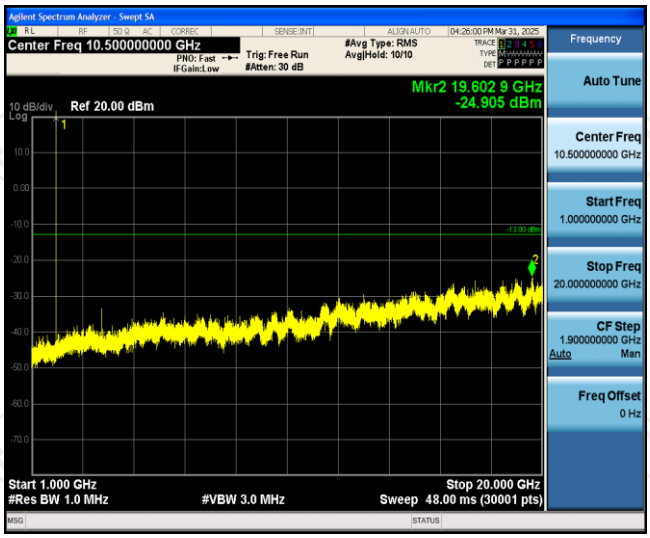
Band2-3MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



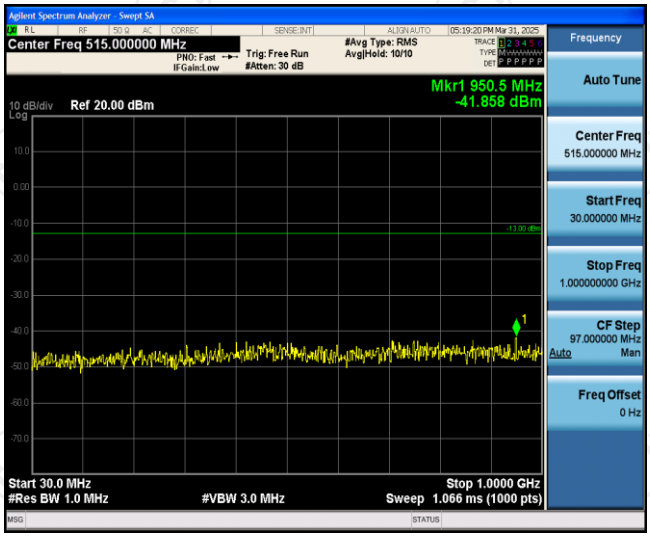
Band2-3MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



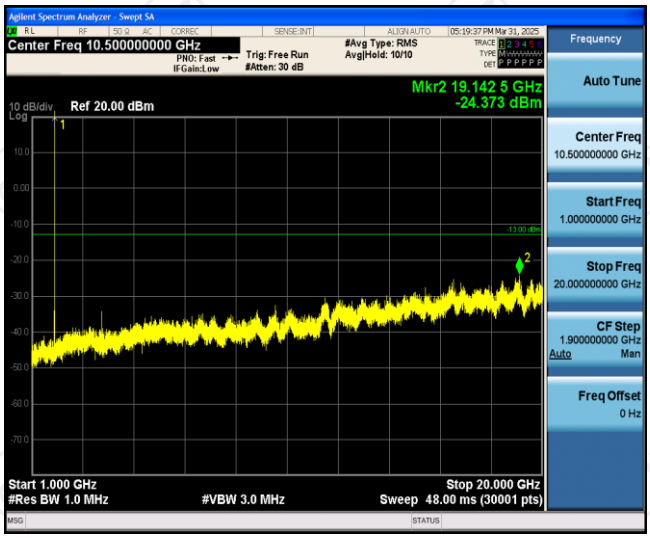
Band2-3MHz-16QAM-19185-1RB#0-Range1:30~1000MHz



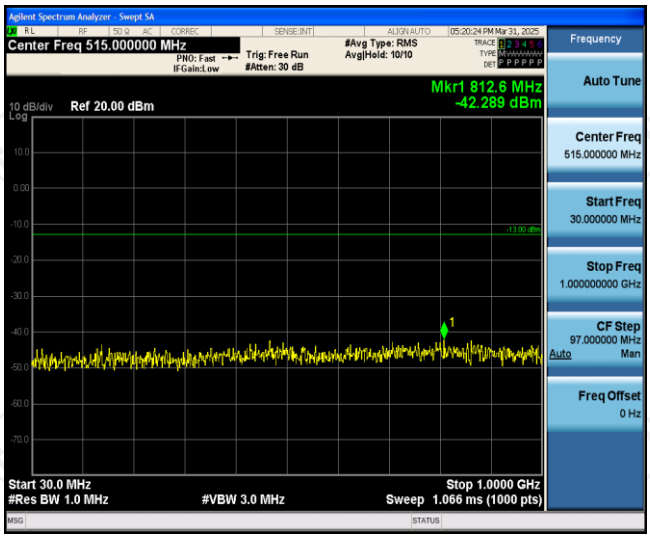
Band2-3MHz-16QAM-19185-1RB#0-Range2:1000~20000MHz



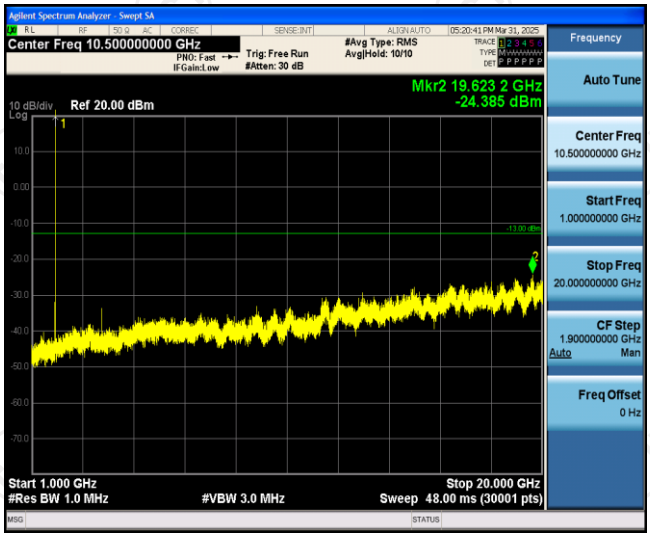
Band2-5MHz-QPSK-18625-1RB#0-Range1:30~1000MHz



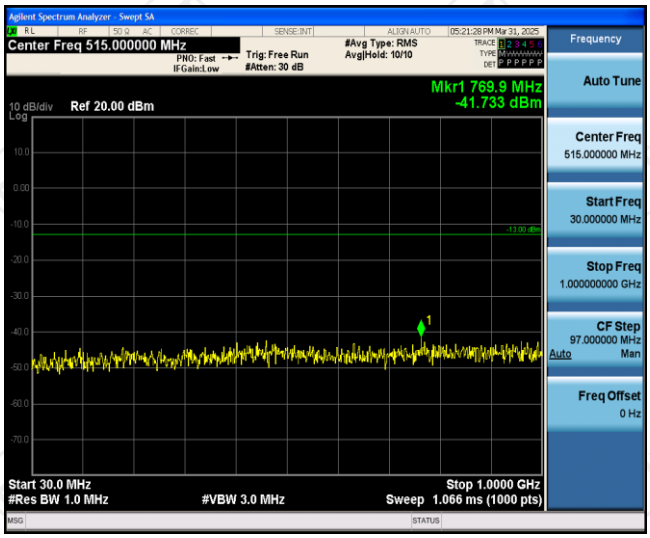
Band2-5MHz-QPSK-18625-1RB#0-Range2:1000~20000MHz



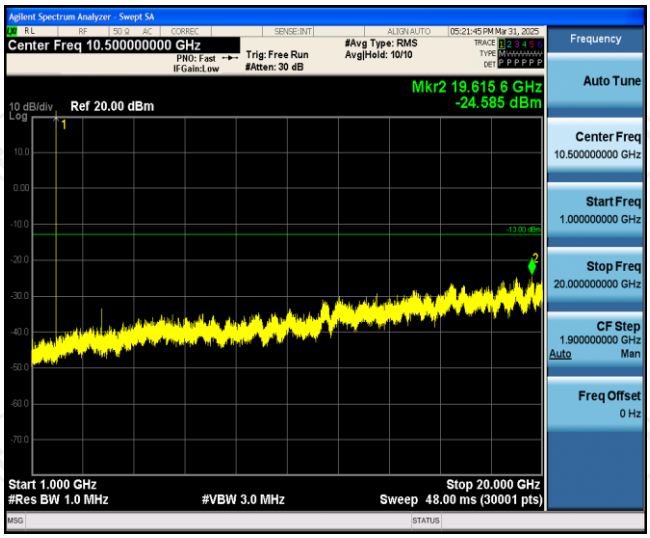
Band2-5MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



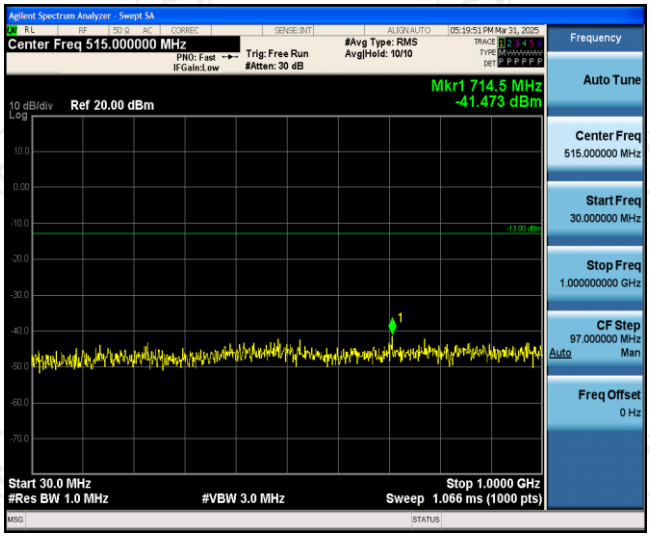
Band2-5MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



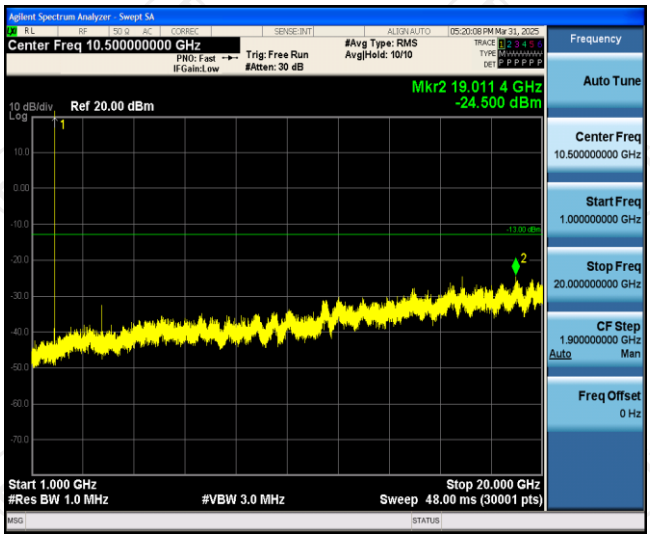
Band2-5MHz-QPSK-19175-1RB#0-Range1:30~1000MHz



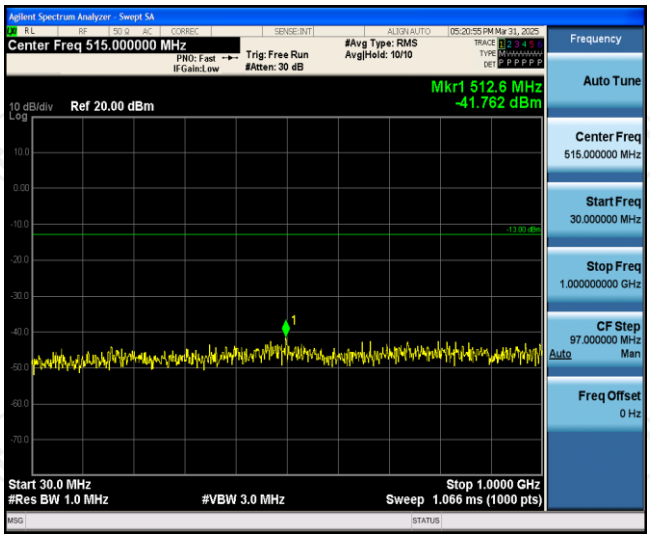
Band2-5MHz-QPSK-19175-1RB#0-Range2:1000~20000MHz



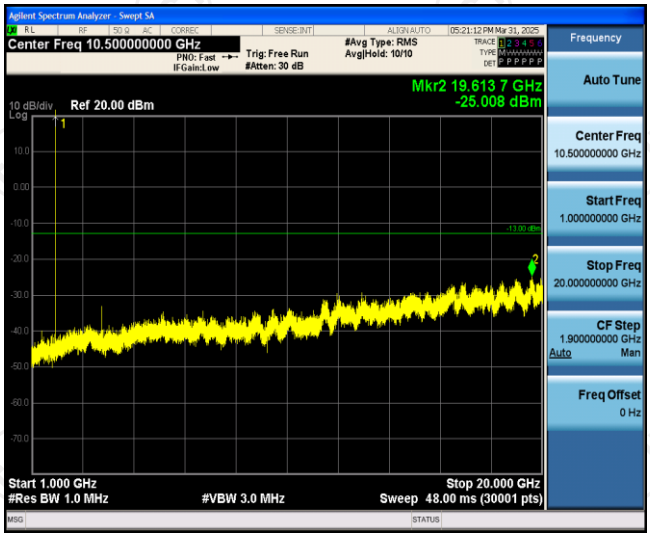
Band2-5MHz-16QAM-18625-1RB#0-Range1:30~1000MHz



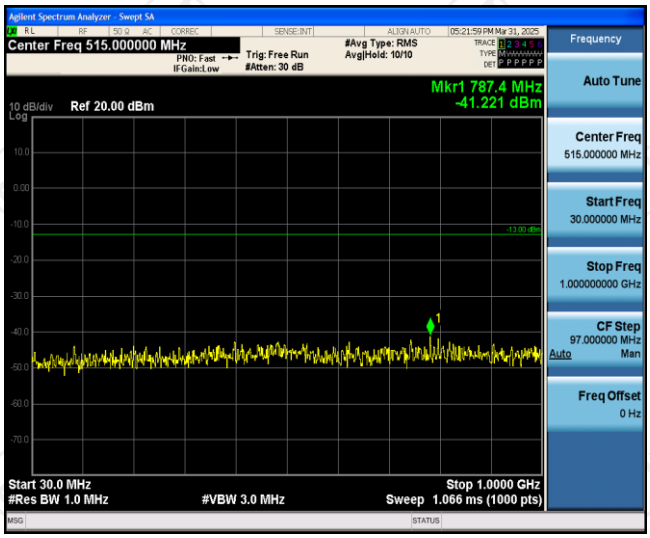
Band2-5MHz-16QAM-18625-1RB#0-Range2:1000~20000MHz



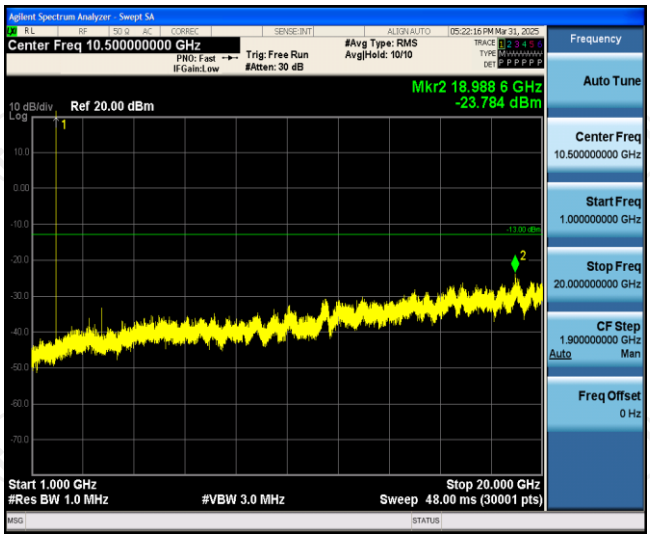
Band2-5MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



Band2-5MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



Band2-5MHz-16QAM-19175-1RB#0-Range1:30~1000MHz



Band2-5MHz-16QAM-19175-1RB#0-Range2:1000~20000MHz

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	VL	NT	-23.16	-0.012514	±2.5	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	VN	NT	-25.89	-0.013989	±2.5	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	VH	NT	-26.42	-0.014276	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VL	NT	19.46	0.010351	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VN	NT	7.81	0.004154	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VH	NT	-19.60	-0.010426	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	VL	NT	-19.15	-0.010030	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	VN	NT	12.77	0.006688	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	VH	NT	-27.51	-0.014408	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	VL	NT	-15.09	-0.008154	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	VN	NT	-27.30	-0.014751	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	VH	NT	-28.13	-0.015200	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VL	NT	-28.75	-0.015293	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VN	NT	-32.78	-0.017436	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	VH	NT	-23.34	-0.012415	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	VL	NT	-30.40	-0.015922	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	VN	NT	-26.96	-0.014120	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	VH	NT	-30.24	-0.015838	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	NV	-30	-23.87	-0.012898	±2.5	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	NV	-20	-29.89	-0.016151	±2.5	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	NV	0	-22.28	-0.012039	±2.5	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	NV	10	-25.77	-0.013924	±2.5	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	NV	20	-28.36	-0.015324	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	-30	-14.88	-0.007915	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	-20	-28.10	-0.014947	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	0	-11.23	-0.005973	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	10	-29.40	-0.015638	±2.5	PASS

Band2	1.4MHz	QPSK	18900	6RB#0	NV	20	-25.65	-0.013644	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	NV	-30	-31.91	-0.016713	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	NV	-20	-33.93	-0.017771	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	NV	0	-30.27	-0.015854	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	NV	10	-34.67	-0.018158	±2.5	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	NV	20	-20.90	-0.010946	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	NV	-30	-16.92	-0.009142	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	NV	-20	-26.44	-0.014286	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	NV	0	-19.61	-0.010596	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	NV	10	-25.70	-0.013887	±2.5	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	NV	20	-24.70	-0.013346	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	-30	-26.36	-0.014021	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	-20	-16.80	-0.008936	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	0	-24.04	-0.012787	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	10	-27.35	-0.014548	±2.5	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	NV	20	-19.61	-0.010431	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	NV	-30	-31.41	-0.016451	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	NV	-20	-30.41	-0.015927	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	NV	0	-17.11	-0.008961	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	NV	10	-21.21	-0.011109	±2.5	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	NV	20	-33.33	-0.017457	±2.5	PASS