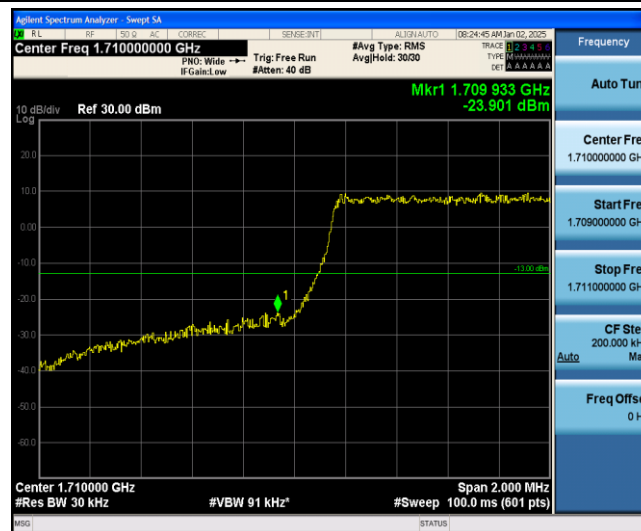




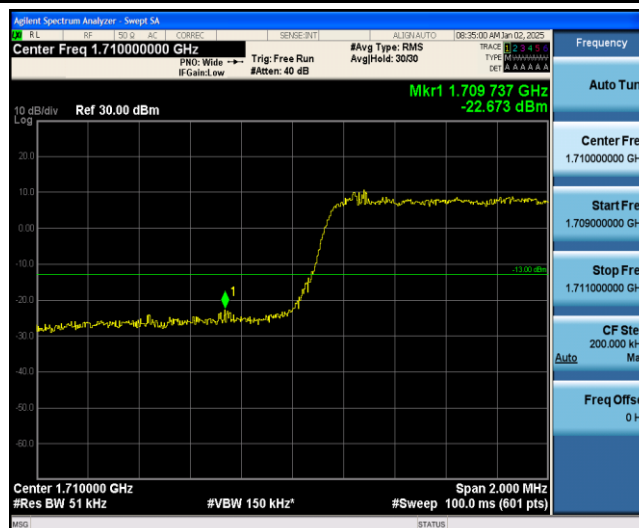
Band4-1.4MHz-QPSK-20393-6RB#0



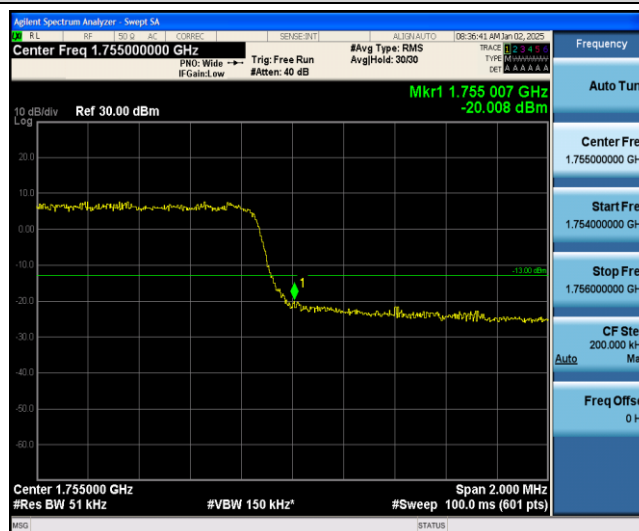
Band4-1.4MHz-16QAM-19957-6RB#0



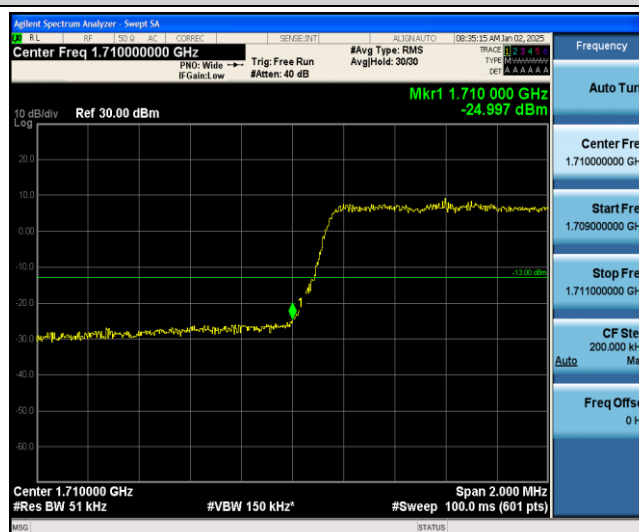
Band4-1.4MHz-16QAM-20393-6RB#0



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



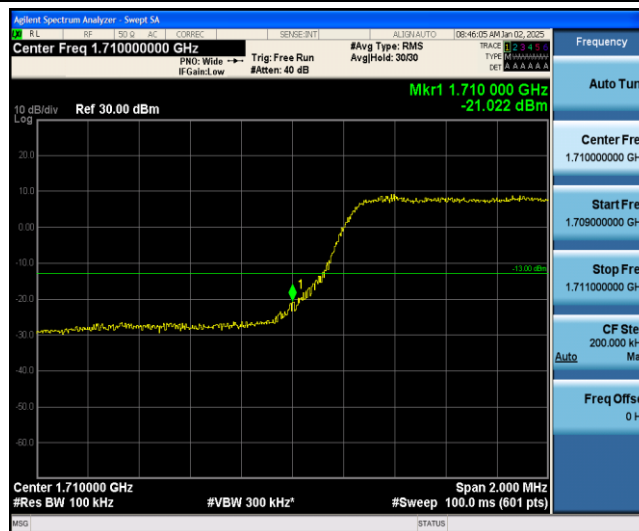
Band4-3MHz-QPSK-20385-15RB#0



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



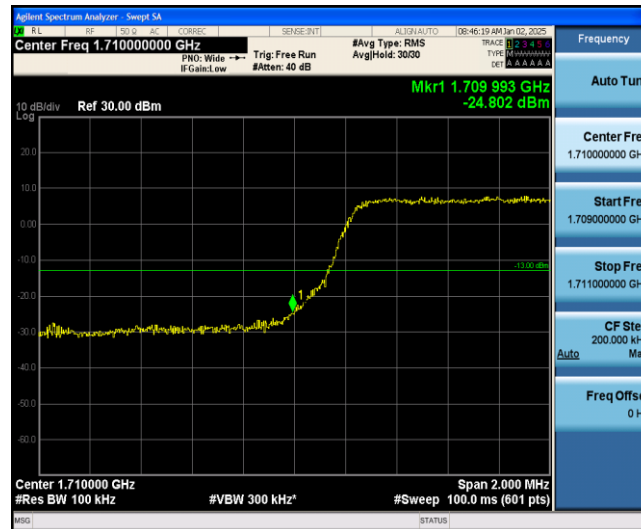
Band4-3MHz-16QAM-20385-15RB#0



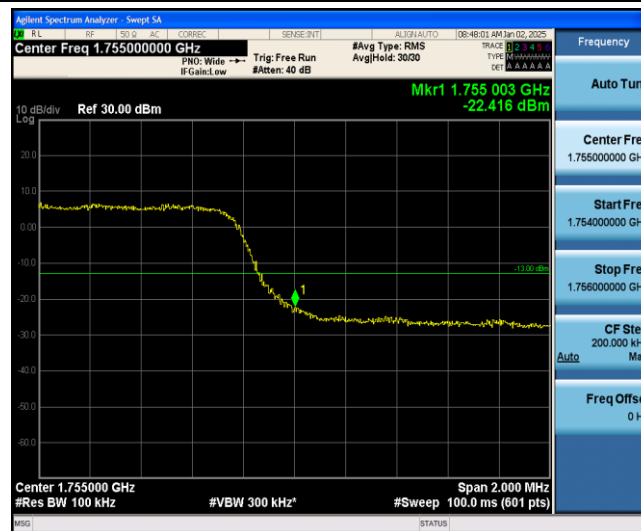
Band4-5MHz-QPSK-19975-25RB#0



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



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



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

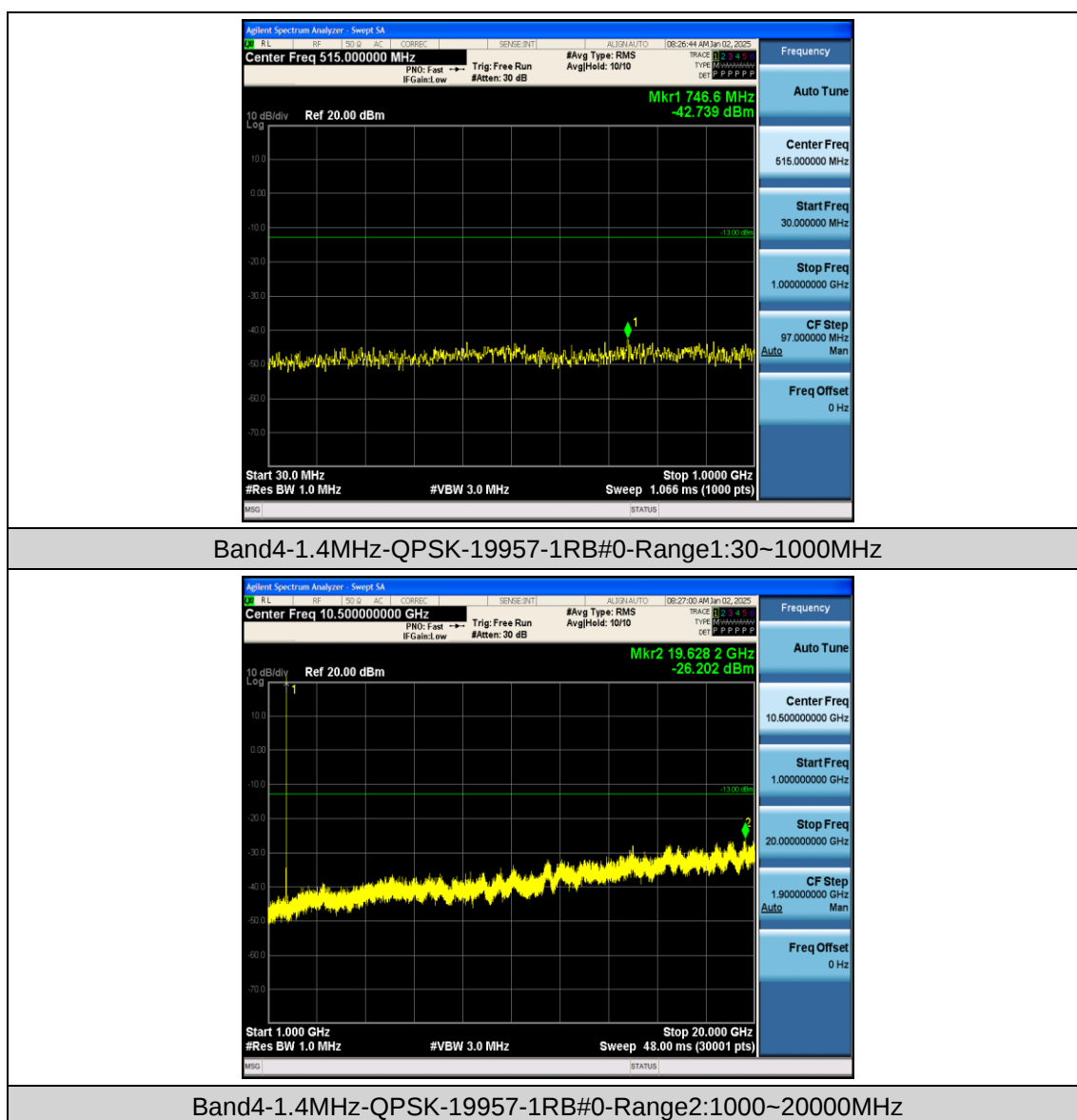
Appendix E: Conducted Spurious Emission

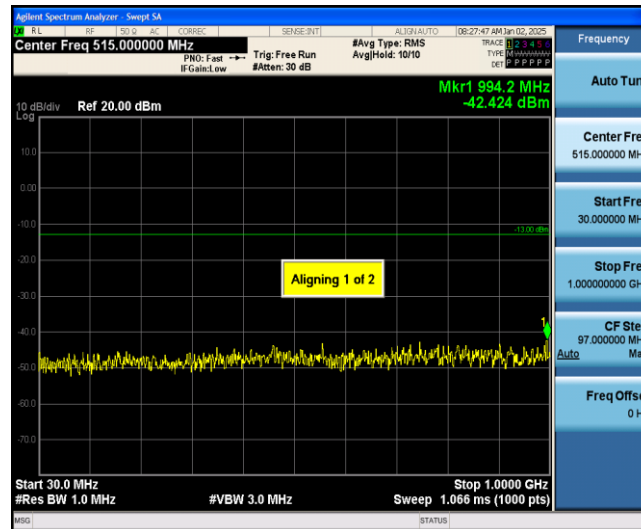
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:30~1000MHz	-42.74	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-26.2	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-42.42	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-25.64	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-43.4	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-25.11	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-42.64	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-26.27	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-43.14	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-25.36	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-42.94	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-24.04	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-42.2	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~20000MHz	-25.51	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-43.03	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-25.68	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-43.24	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~20000MHz	-24.97	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-43.77	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~20000MHz	-25.41	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-41.71	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-25.43	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-42.41	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~20000MHz	-25.07	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-42.52	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~20000MHz	-25.3	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-42.71	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-26.03	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-43.66	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~20000MHz	-25.6	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-42.1	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~20000MHz	-25.18	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-42.94	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-25.41	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-42.69	PASS

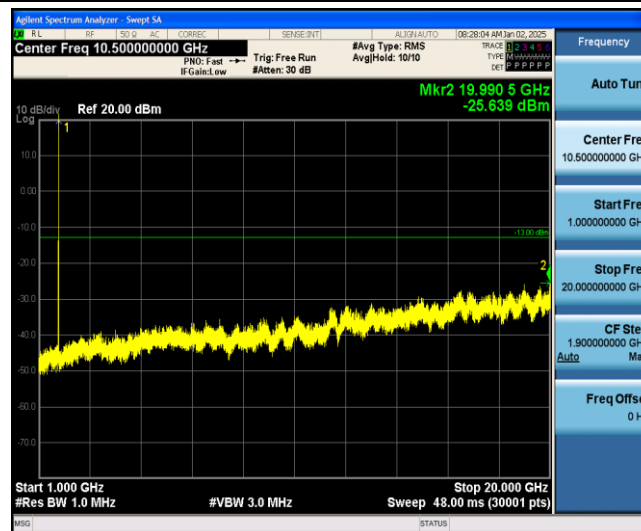
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~20000MHz	-25.87	PASS
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Test Graphs

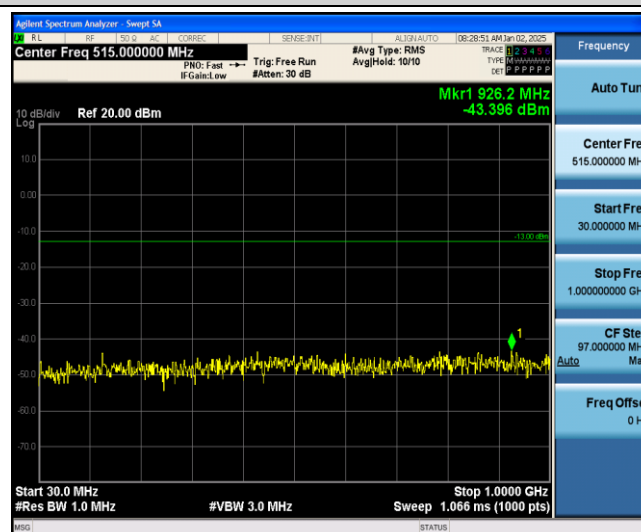




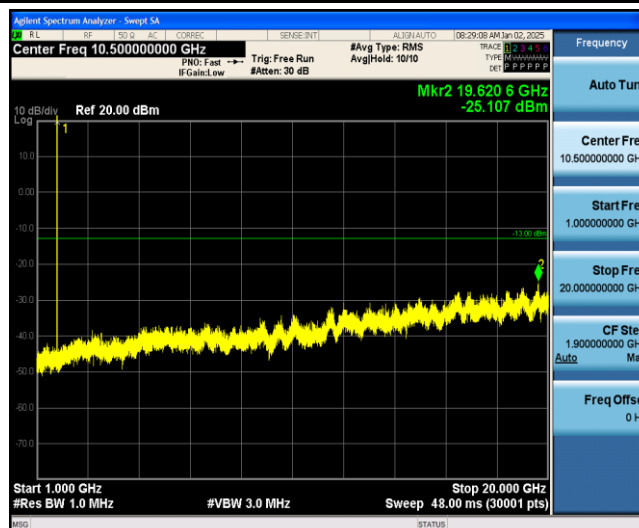
Band4-1.4MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



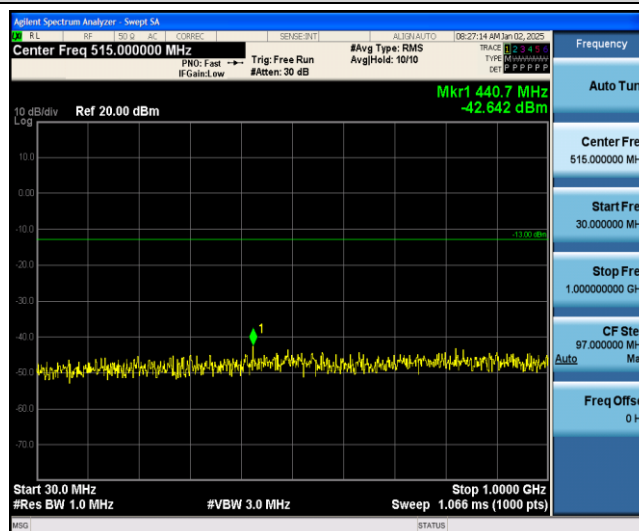
Band4-1.4MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



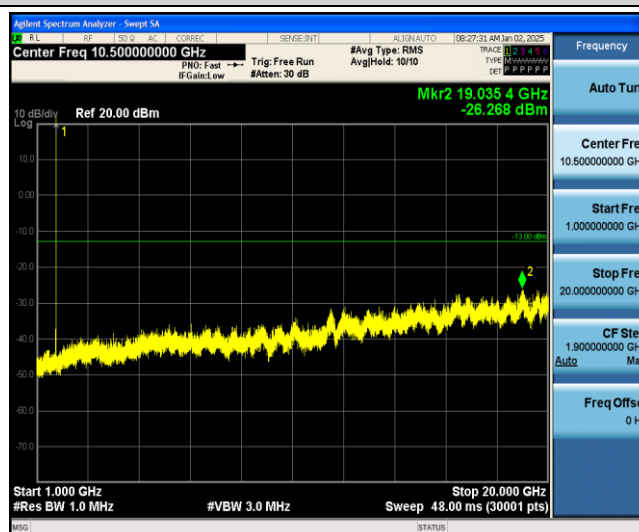
Band4-1.4MHz-QPSK-20393-1RB#0-Range1:30~1000MHz



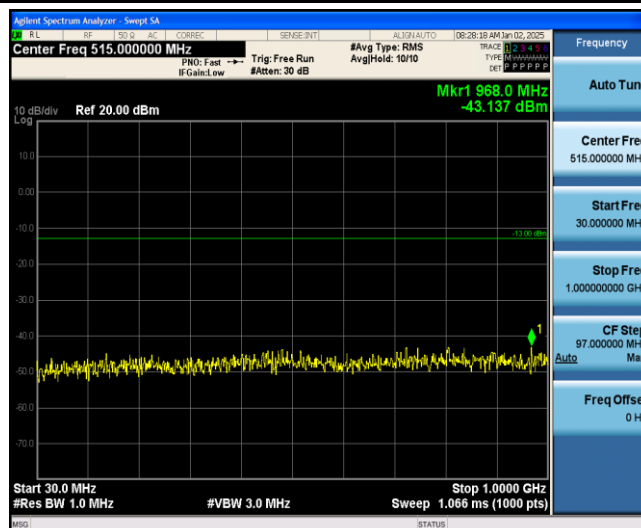
Band4-1.4MHz-QPSK-20393-1RB#0-Range2:1000~20000MHz



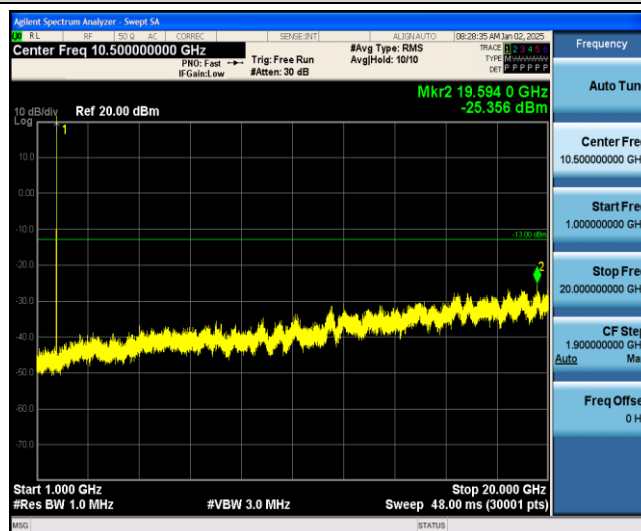
Band4-1.4MHz-16QAM-19957-1RB#0-Range1:30~1000MHz



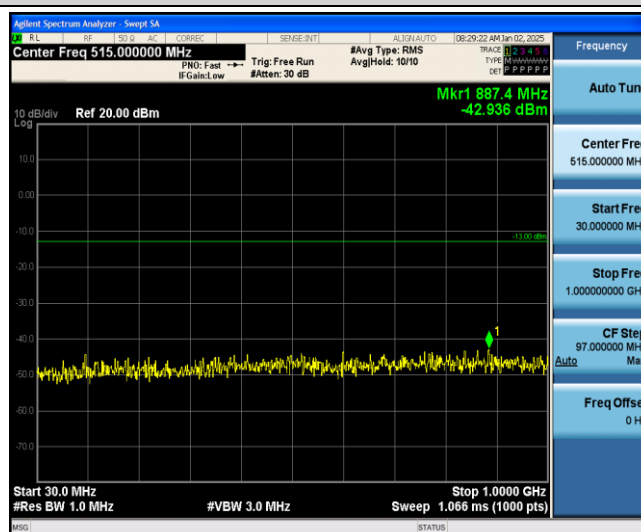
Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~20000MHz



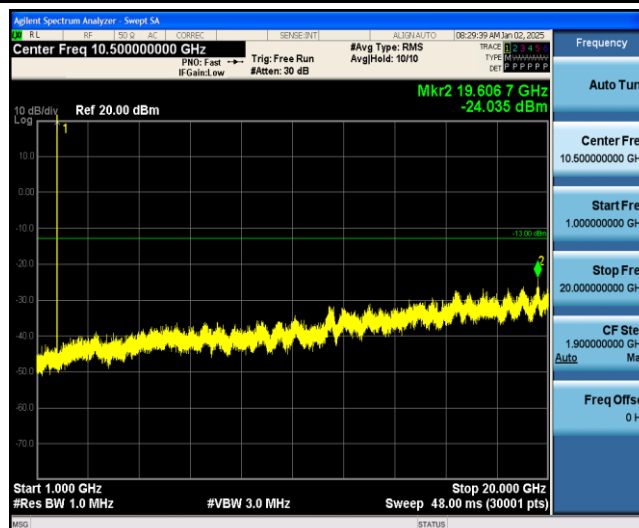
Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



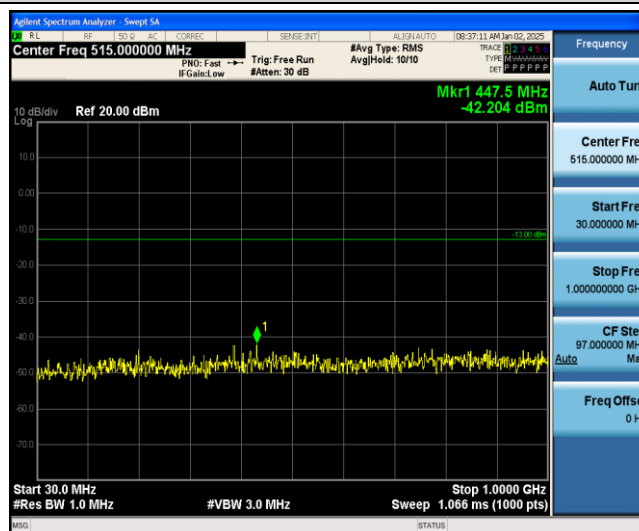
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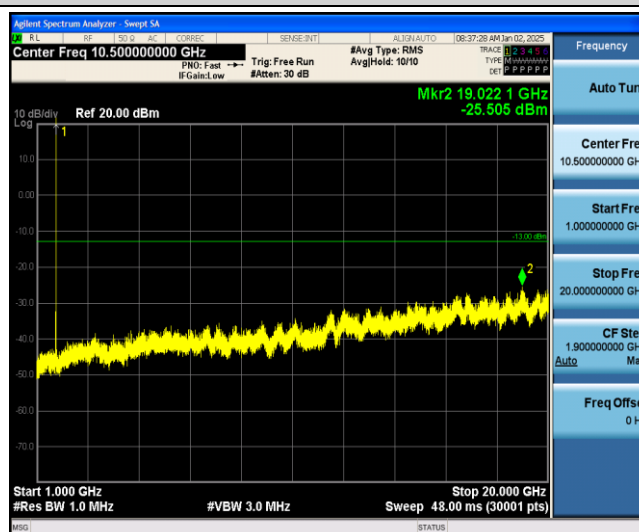
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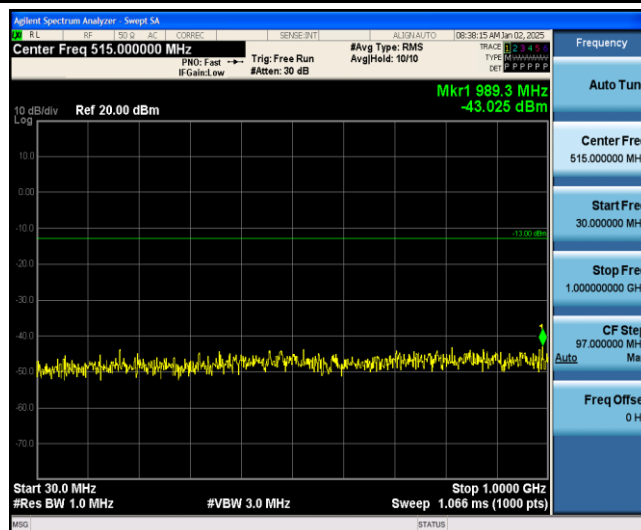
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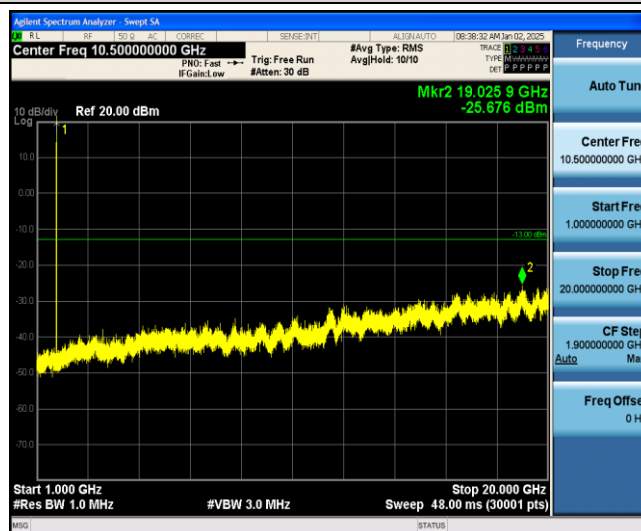
Band4-3MHz-QPSK-19965-1RB#0-Range1:30~1000MHz



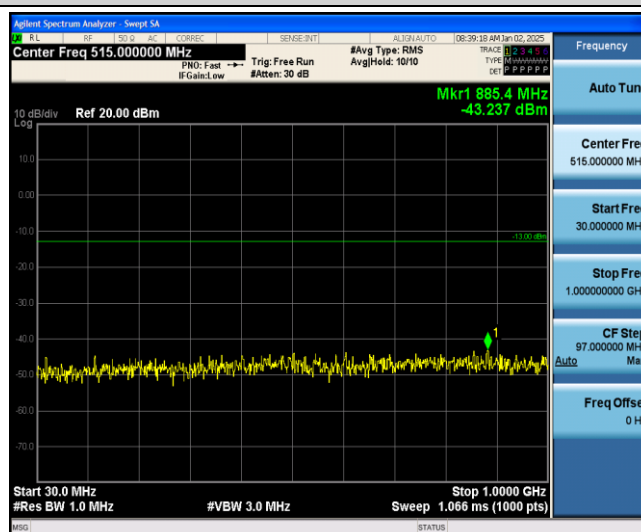
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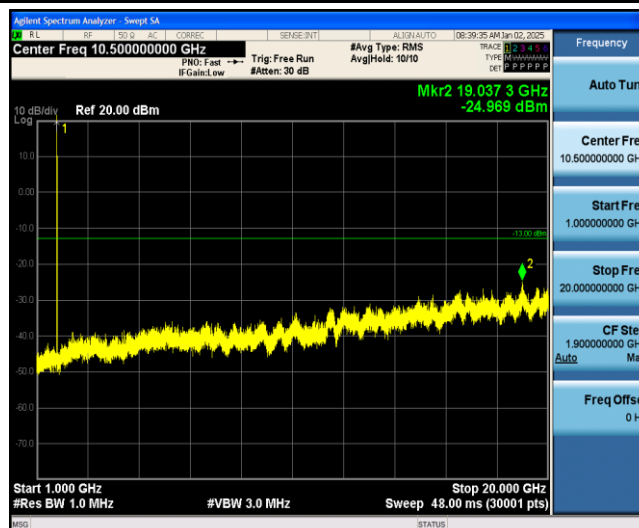
Band4-3MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



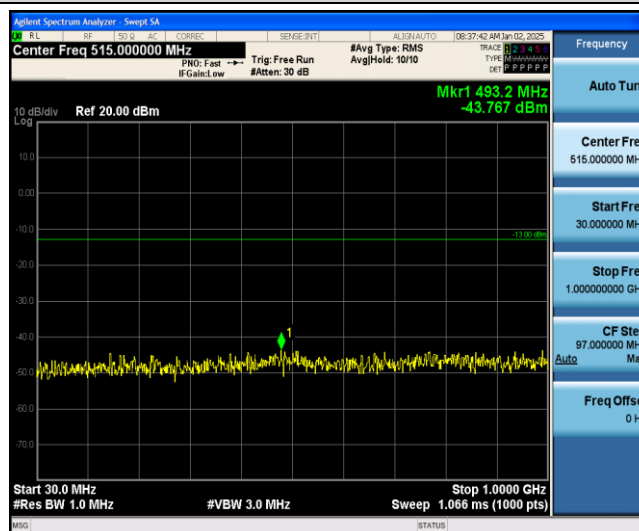
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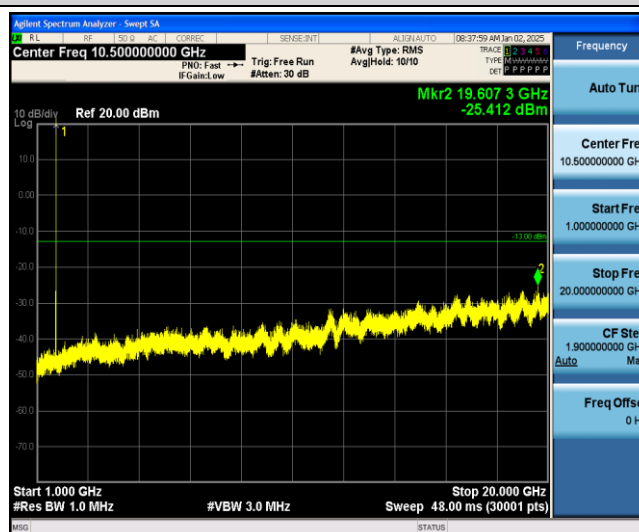
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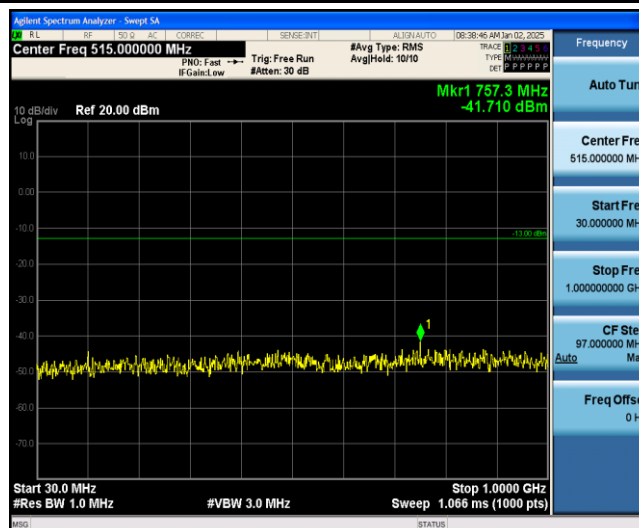
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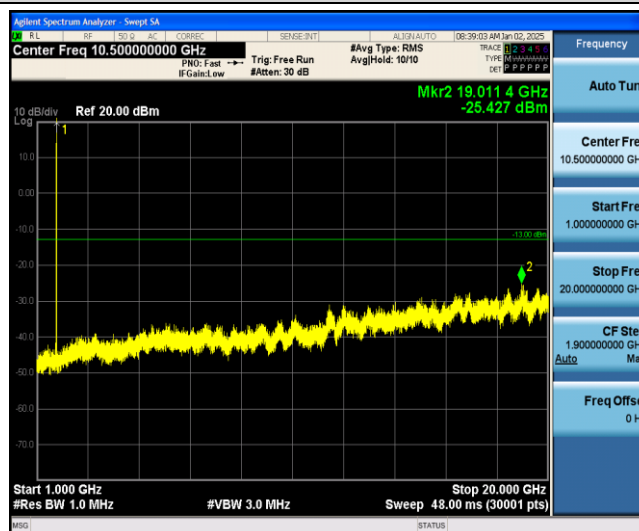
Band4-3MHz-16QAM-19965-1RB#0-Range1:30~1000MHz



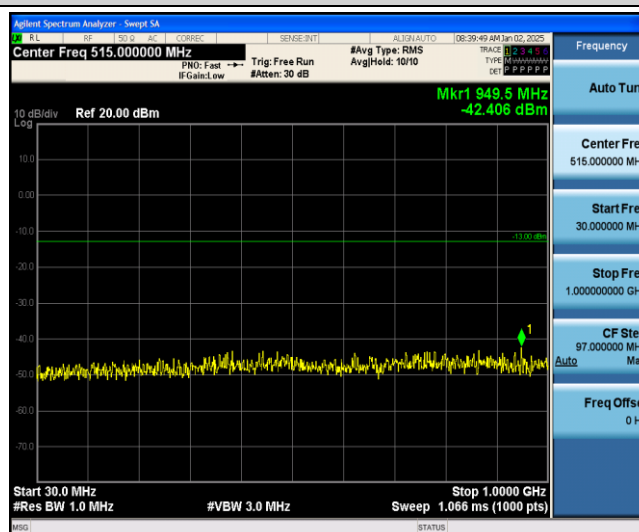
Band4-3MHz-16QAM-19965-1RB#0-Range2:1000~20000MHz



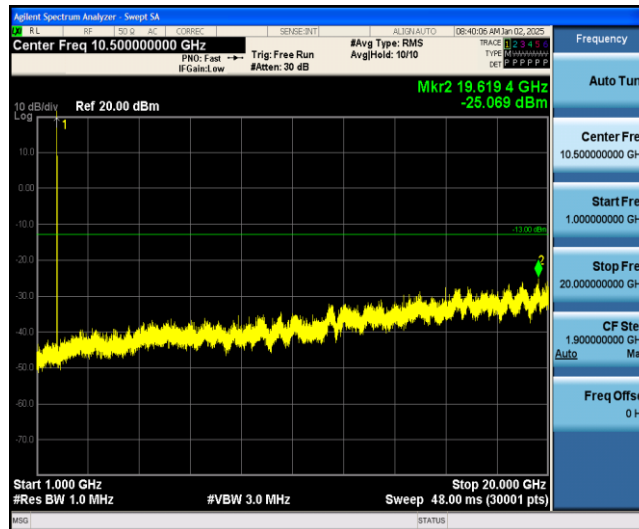
Band4-3MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



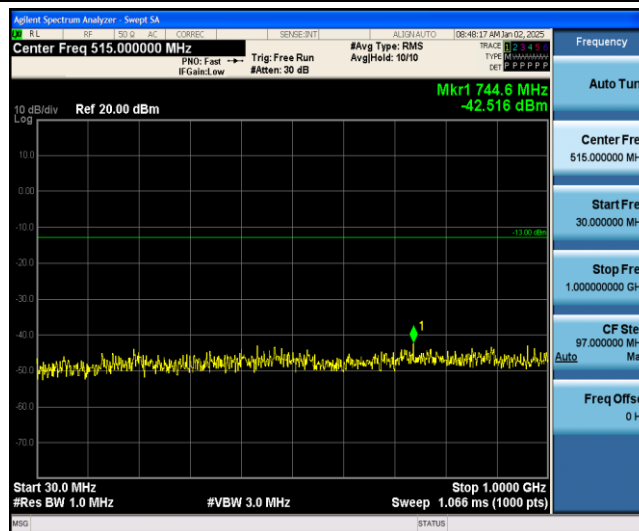
Band4-3MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



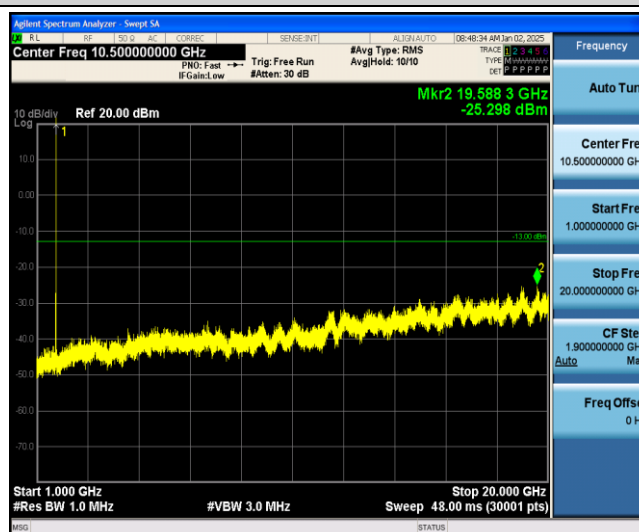
Band4-3MHz-16QAM-20385-1RB#0-Range1:30~1000MHz



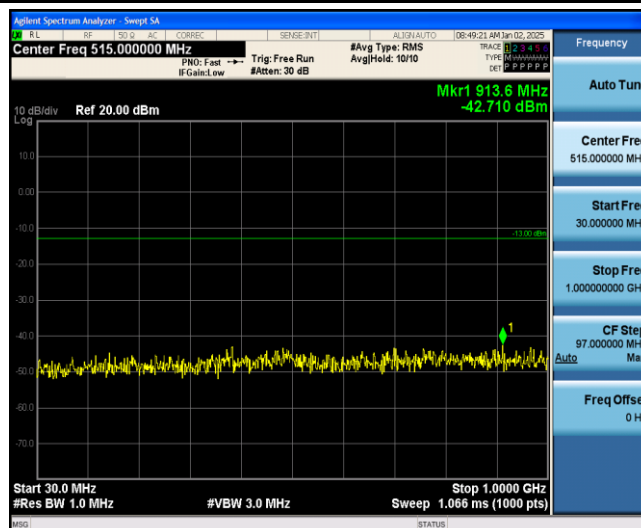
Band4-3MHz-16QAM-20385-1RB#0-Range2:1000~20000MHz



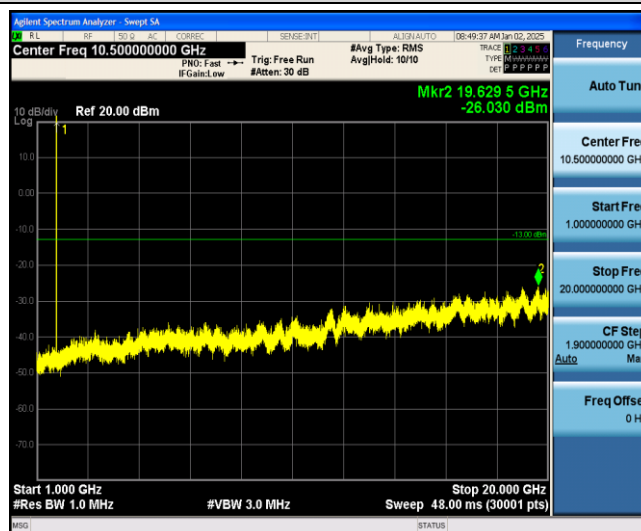
Band4-5MHz-QPSK-19975-1RB#0-Range1:30~1000MHz



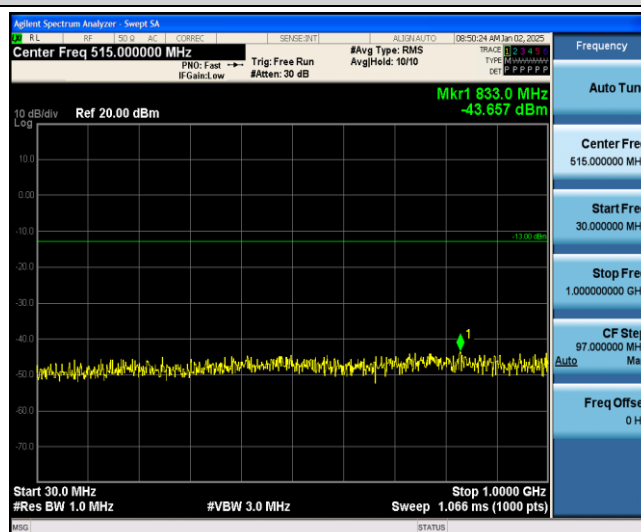
Band4-5MHz-QPSK-19975-1RB#0-Range2:1000~20000MHz



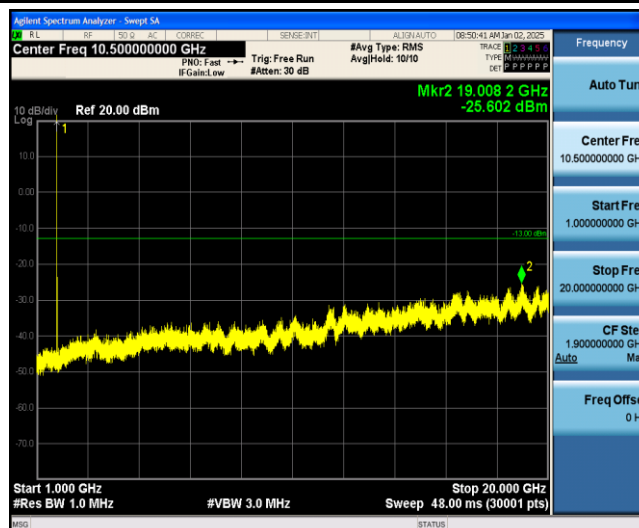
Band4-5MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



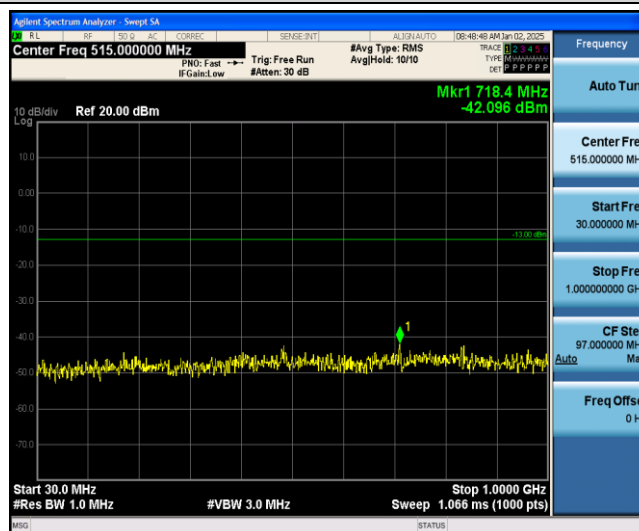
Band4-5MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



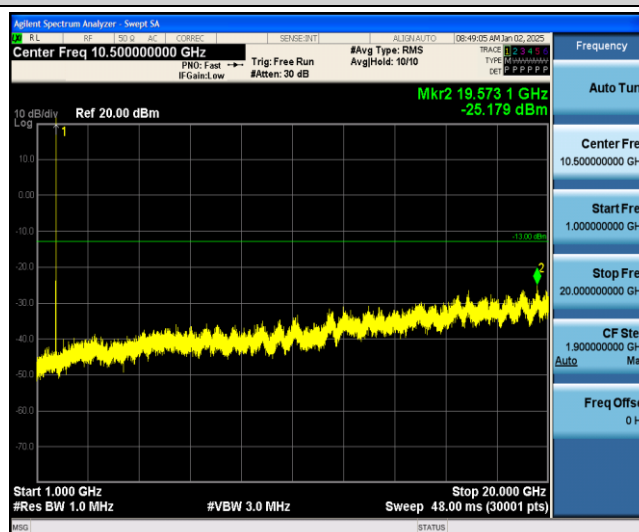
Band4-5MHz-QPSK-20375-1RB#0-Range1:30~1000MHz



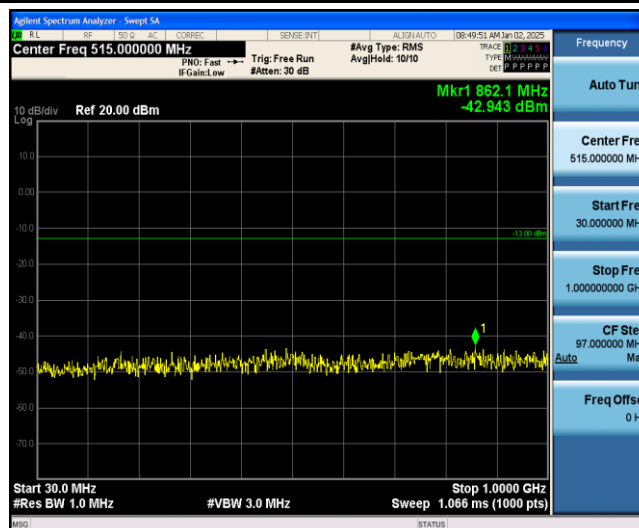
Band4-5MHz-QPSK-20375-1RB#0-Range2:1000~20000MHz



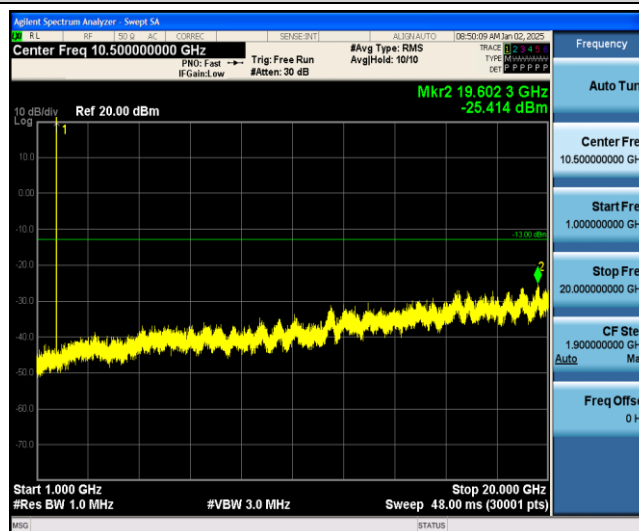
Band4-5MHz-16QAM-19975-1RB#0-Range1:30~1000MHz



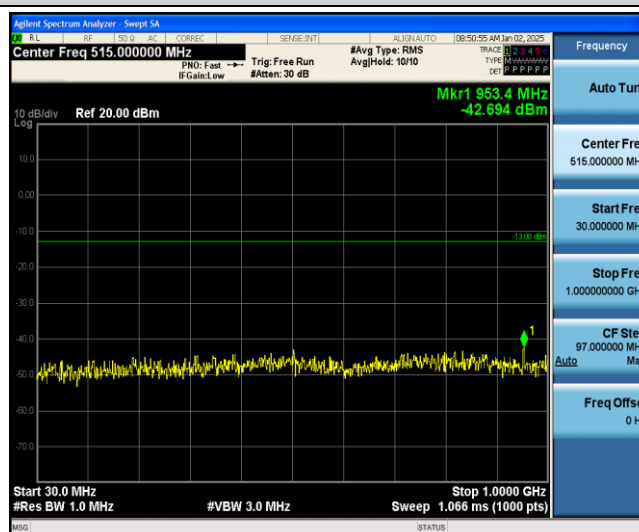
Band4-5MHz-16QAM-19975-1RB#0-Range2:1000~20000MHz



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



Band4-5MHz-16QAM-20375-1RB#0-Range2:1000~20000MHz

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	-25.97	-0.015181	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	-18.11	-0.010586	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	-13.53	-0.007909	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	-13.53	-0.007810	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	20.07	0.011584	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	-19.50	-0.011255	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-20.45	-0.011657	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	19.10	0.010888	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-9.29	-0.005296	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	-21.79	-0.012737	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	-24.40	-0.014263	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	-18.37	-0.010738	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	-25.61	-0.014782	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	-13.49	-0.007786	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	-19.99	-0.011538	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	10.24	0.005837	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	17.47	0.009958	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	20.25	0.011543	±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	-10.09	-0.005898	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	-21.25	-0.012422	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-20.81	-0.012165	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	-25.52	-0.014918	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	-19.38	-0.011329	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	-25.45	-0.014690	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-23.18	-0.013380	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-20.94	-0.012087	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	-25.09	-0.014482	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-16.79	-0.009691	±2.5	PASS

Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	20.44	0.011651	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	15.77	0.008989	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	20.68	0.011788	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	14.74	0.008402	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	24.19	0.013789	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	4.82	0.002818	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	17.21	0.010060	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	8.34	0.004875	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	-17.90	-0.010464	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	-16.59	-0.009698	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	-28.08	-0.016208	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	-12.78	-0.007377	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	-11.01	-0.006355	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-24.16	-0.013945	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-25.69	-0.014828	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	10.19	0.005809	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	20.46	0.011663	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	10.28	0.005860	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	23.30	0.013282	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	12.24	0.006977	±2.5	PASS