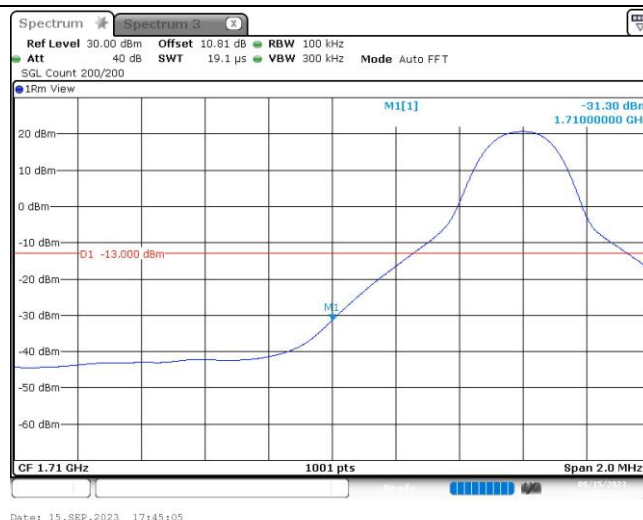




Date: 15.SEP.2023 17:45:05

Band4-10MHz-QPSK-20000-50RB#0



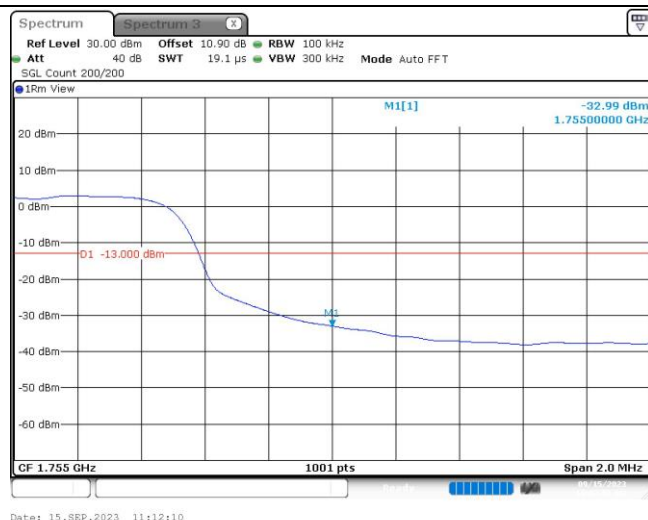
Date: 15.SEP.2023 17:45:26

Band4-10MHz-QPSK-20350-1RB#49



Date: 15.SEP.2023 11:11:49

Band4-10MHz-QPSK-20350-50RB#0



Band4-10MHz-16QAM-20000-1RB#0



Band4-10MHz-16QAM-20000-50RB#0



Band4-10MHz-16QAM-20350-1RB#49



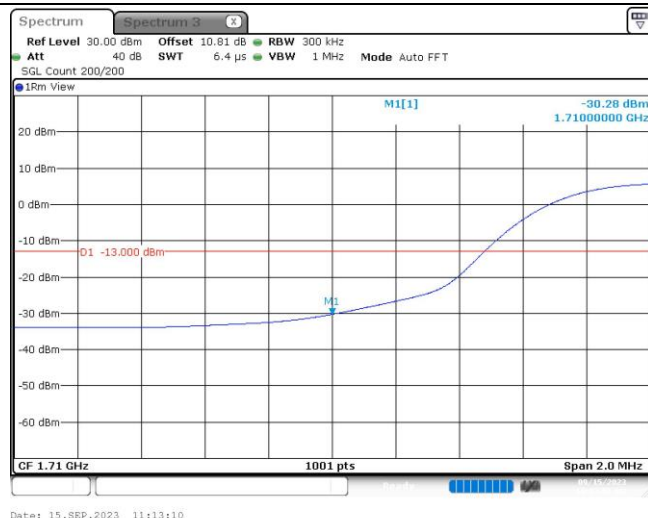
Band4-10MHz-16QAM-20350-50RB#0



Band4-15MHz-QPSK-20025-1RB#0



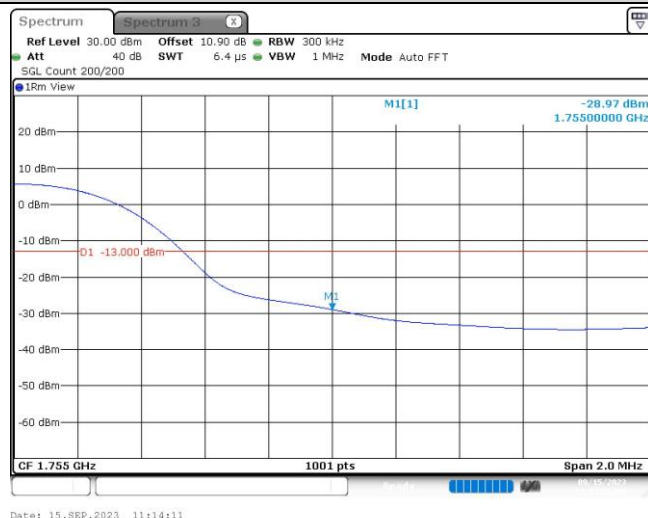
Band4-15MHz-QPSK-20025-75RB#0



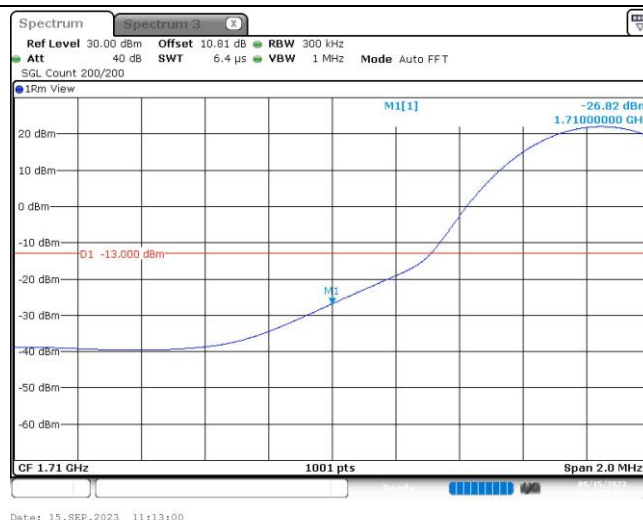
Band4-15MHz-QPSK-20325-1RB#74



Band4-15MHz-QPSK-20325-75RB#0



Band4-15MHz-16QAM-20025-1RB#0



Band4-15MHz-16QAM-20025-75RB#0



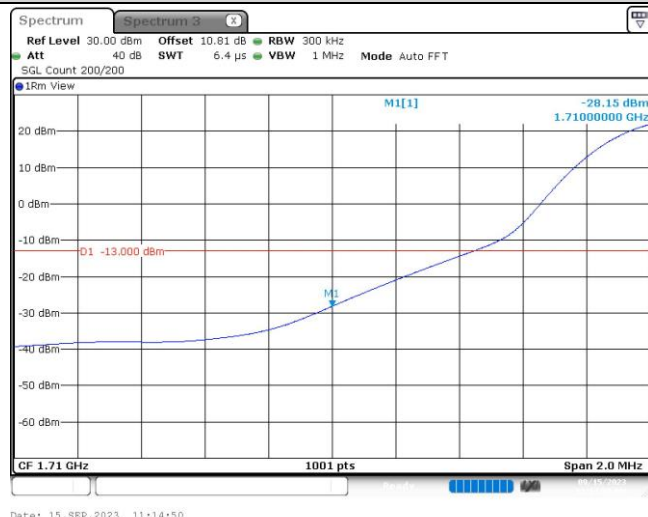
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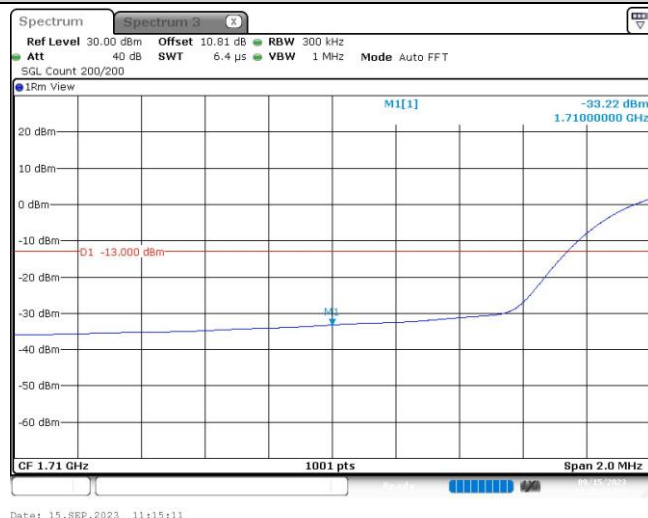
Band4-15MHz-16QAM-20325-75RB#0



Band4-20MHz-QPSK-20050-1RB#0



Band4-20MHz-QPSK-20050-100RB#0



Band4-20MHz-QPSK-20300-1RB#99



Band4-20MHz-QPSK-20300-100RB#0



Band4-20MHz-16QAM-20050-1RB#0



Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20300-1RB#99



Band4-20MHz-16QAM-20300-100RB#0



APPENDIX E.5: CONDUCTED SPURIOUS EMISSIONS

Test Result

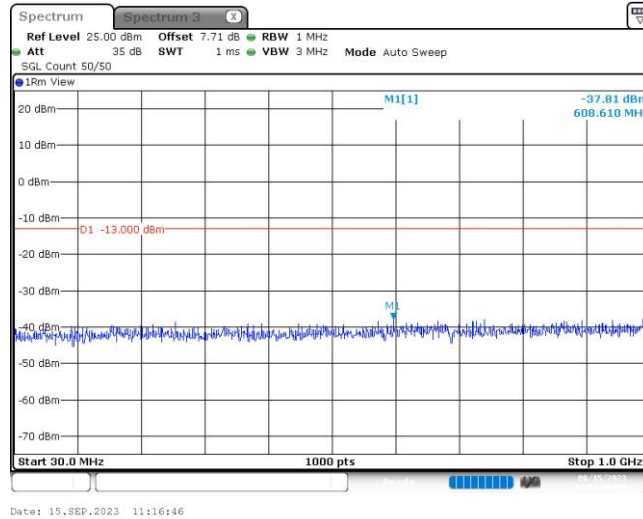
General:

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-37.81	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~2000MHz	-34.89	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:2000~20000MHz	-41.83	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-37.93	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~2000MHz	-34.62	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:2000~20000MHz	-40.8	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-36.72	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~2000MHz	-34.95	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:2000~20000MHz	-40.02	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-37.03	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~2000MHz	-34.68	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:2000~20000MHz	-42.01	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-36.35	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~2000MHz	-35.7	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:2000~20000MHz	-41.89	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-37.78	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~2000MHz	-35.38	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:2000~20000MHz	-38.85	PASS

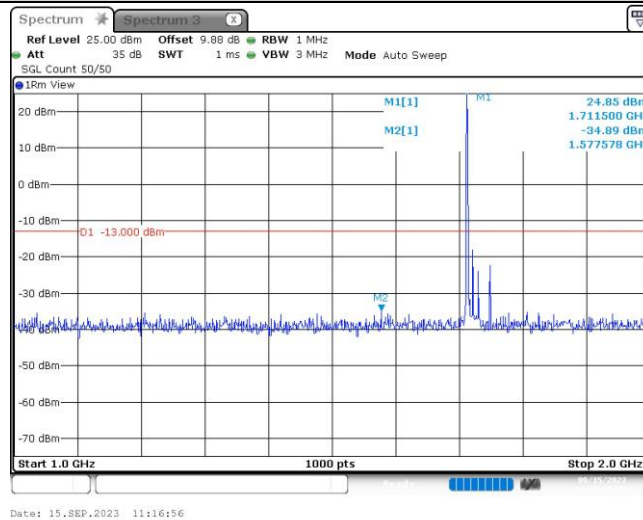
Test Graphs

General:

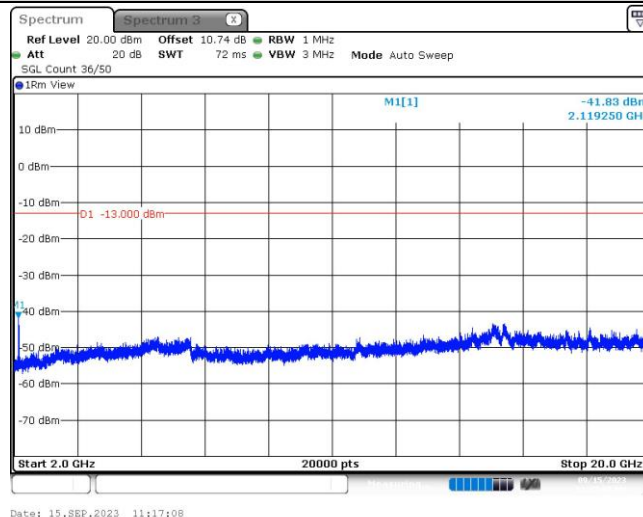
Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



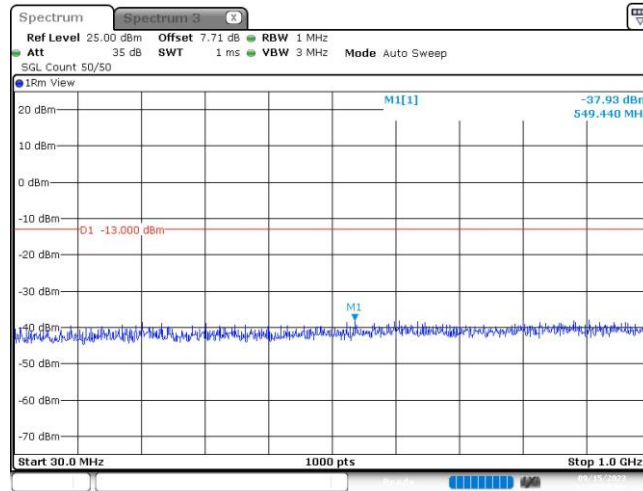
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~2000MHz



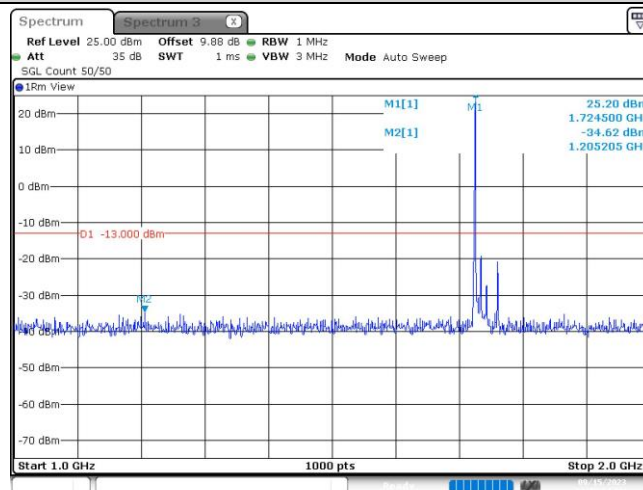
Band4-20MHz-QPSK-20050-1RB#0-Range3:2000~20000MHz



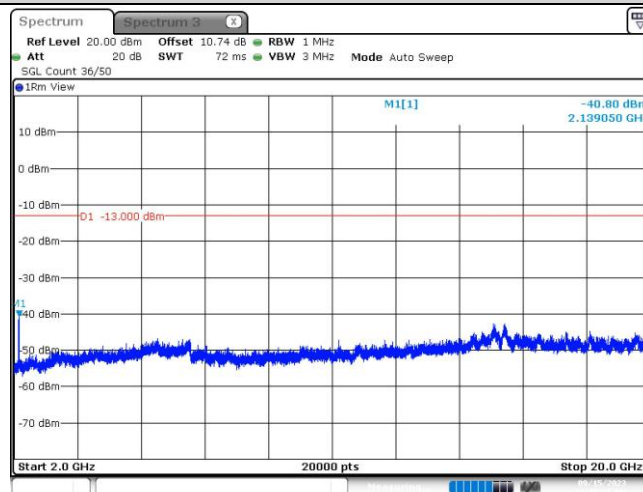
Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



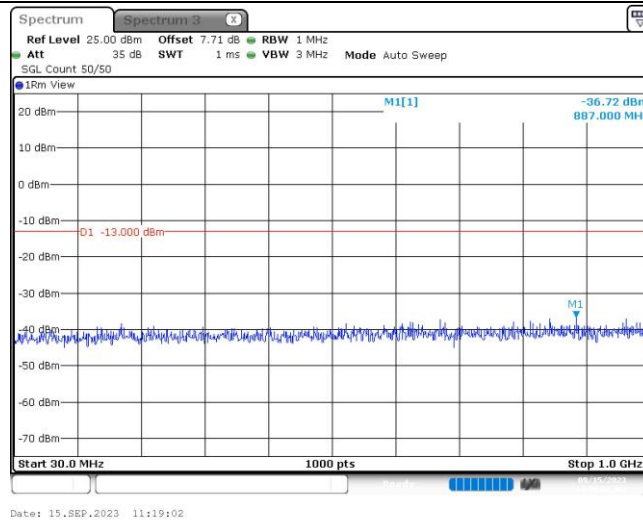
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~2000MHz



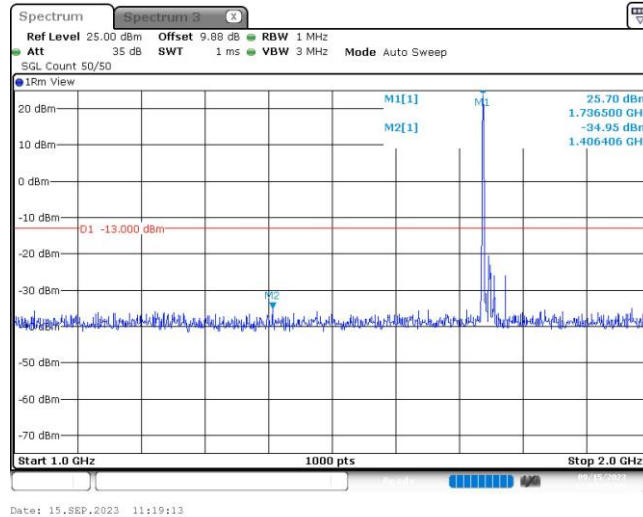
Band4-20MHz-QPSK-20175-1RB#0-Range3:2000~20000MHz



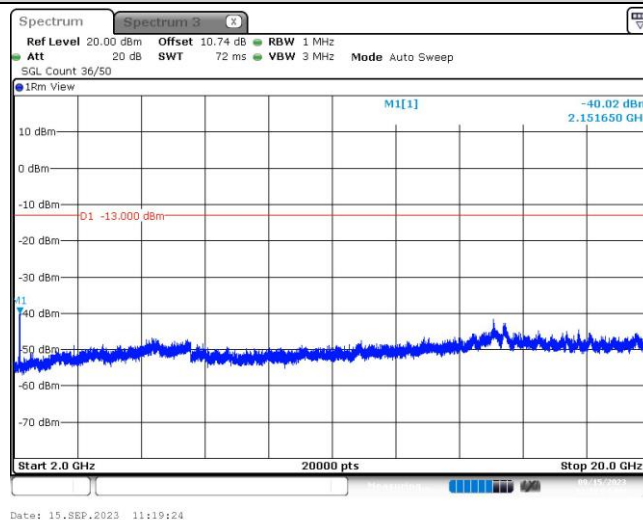
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



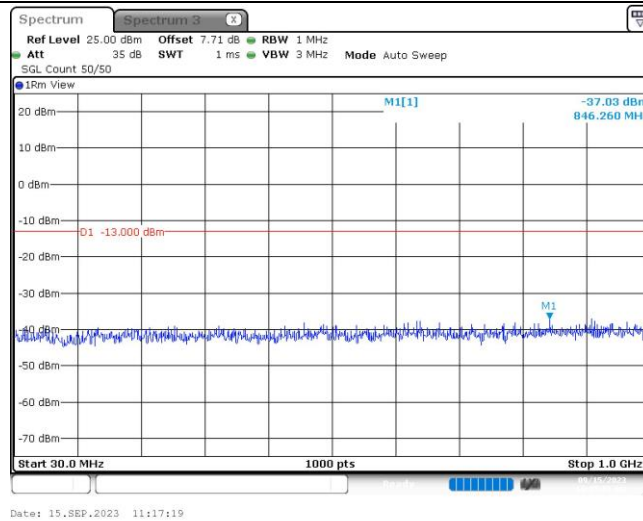
Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~2000MHz



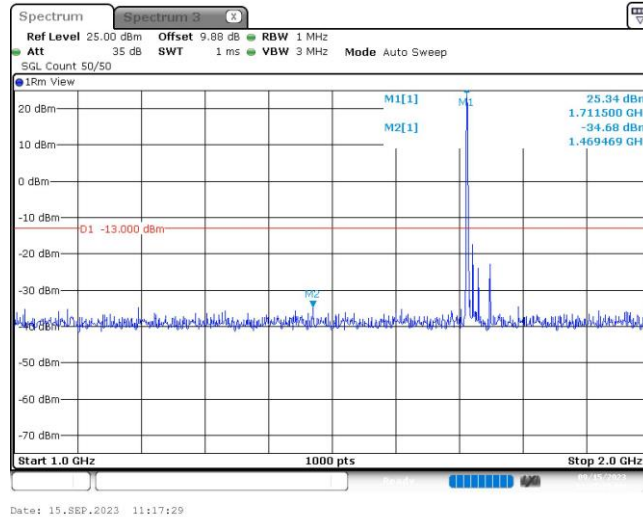
Band4-20MHz-QPSK-20300-1RB#0-Range3:2000~20000MHz



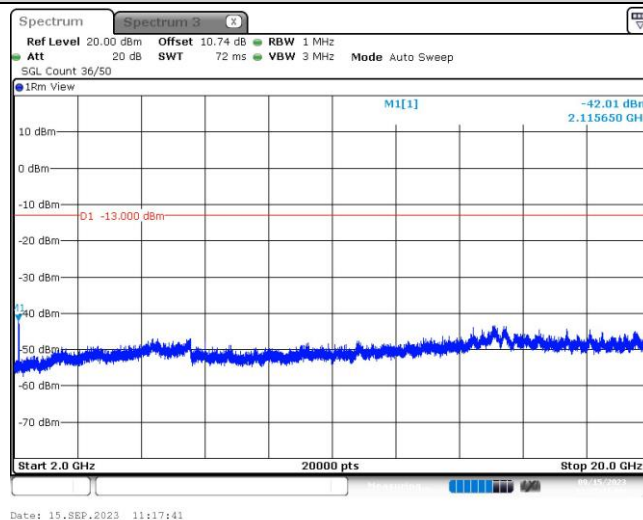
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



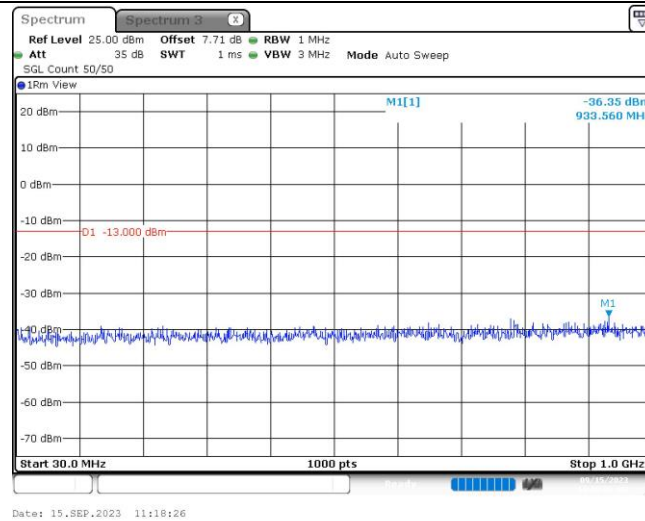
Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~2000MHz



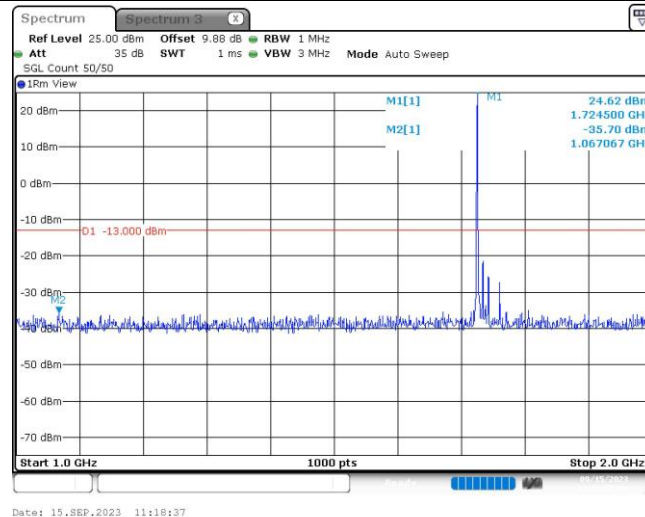
Band4-20MHz-16QAM-20050-1RB#0-Range3:2000~20000MHz



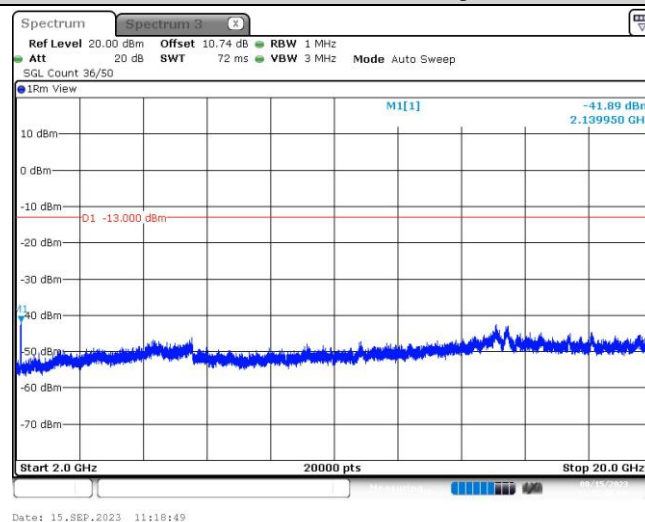
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



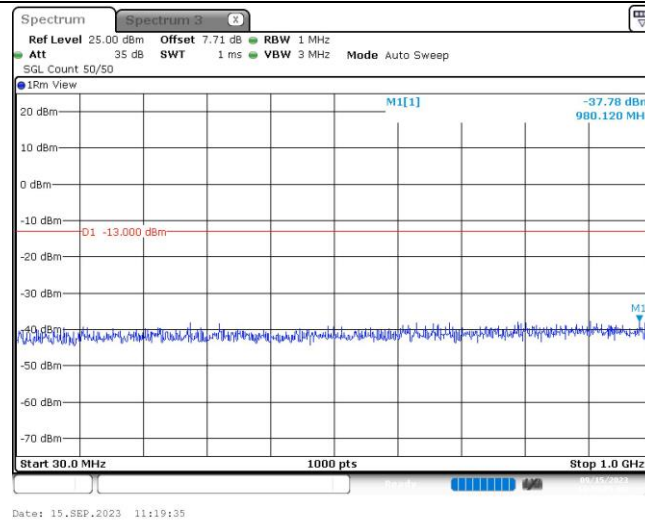
Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~2000MHz



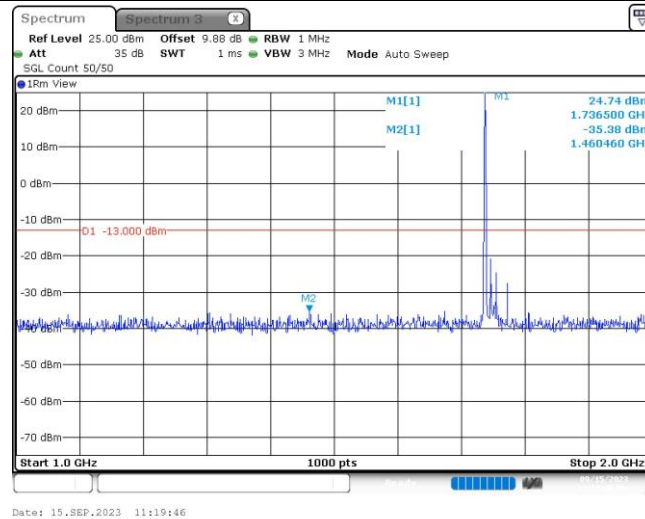
Band4-20MHz-16QAM-20175-1RB#0-Range3:2000~20000MHz



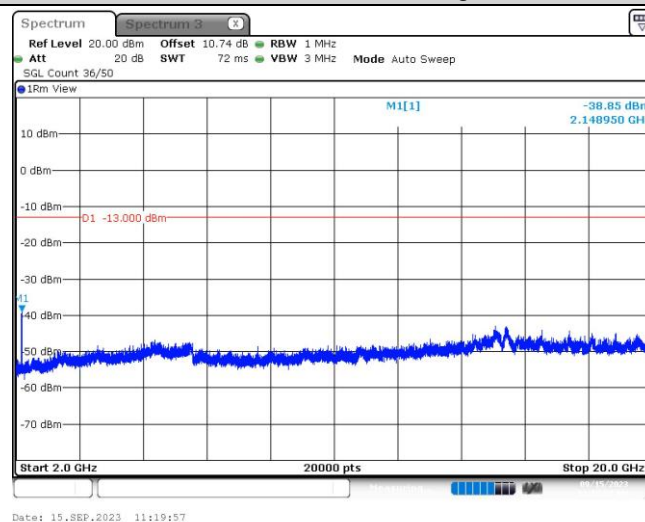
Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~2000MHz



Band4-20MHz-16QAM-20300-1RB#0-Range3:2000~20000MHz



APPENDIX E.6: FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	3.91	0.002273	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	2.95	0.001715	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	4.29	0.002494	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-3.78	-0.002182	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-3.71	-0.002141	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	6.69	0.003861	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-8.65	-0.004957	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-6.71	-0.003845	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-6.17	-0.003536	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	3.12	0.001814	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	5.62	0.003267	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	5.38	0.003128	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	2.52	0.001455	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	5.18	0.002990	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	2.46	0.001420	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-4.33	-0.002481	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-6.14	-0.003519	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-7.97	-0.004567	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	5.65	0.003285	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	4.61	0.002680	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	5.78	0.003360	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	3.92	0.002279	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	5.22	0.003035	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	3.55	0.002064	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	4.39	0.002552	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	3.50	0.002035	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	55	-3.81	-0.002215	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	5.62	0.003244	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-4.89	-0.002823	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	5.81	0.003354	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	5.51	0.003180	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	4.62	0.002667	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	-6.98	-0.004029	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	4.66	0.002690	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	3.46	0.001997	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	55	3.71	0.002141	±2.5	PASS

Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-5.05	-0.002894	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-4.68	-0.002682	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-8.44	-0.004837	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-4.15	-0.002378	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	5.49	0.003146	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-4.56	-0.002613	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-8.00	-0.004585	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-4.89	-0.002802	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	55	-4.39	-0.002516	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	5.02	0.002919	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	3.68	0.002140	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.49	0.002029	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	5.59	0.003250	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	-5.74	-0.003337	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	4.23	0.002459	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	3.52	0.002047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	-5.15	-0.002994	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	55	-3.16	-0.001837	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	2.98	0.001720	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	-3.73	-0.002153	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	3.10	0.001789	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	7.22	0.004167	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-4.48	-0.002586	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	4.03	0.002326	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	3.75	0.002165	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	2.65	0.001530	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	55	5.01	0.002892	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-6.81	-0.003903	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-5.87	-0.003364	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-4.86	-0.002785	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-4.02	-0.002304	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-7.54	-0.004321	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-8.03	-0.004602	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-6.38	-0.003656	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-7.14	-0.004092	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	55	-4.68	-0.002682	±2.5	PASS