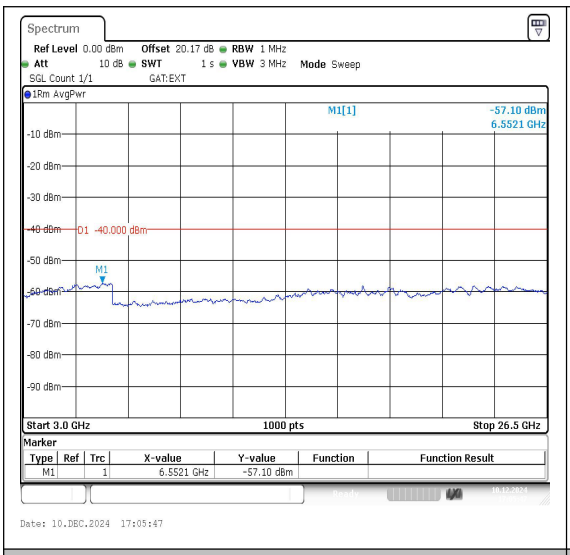
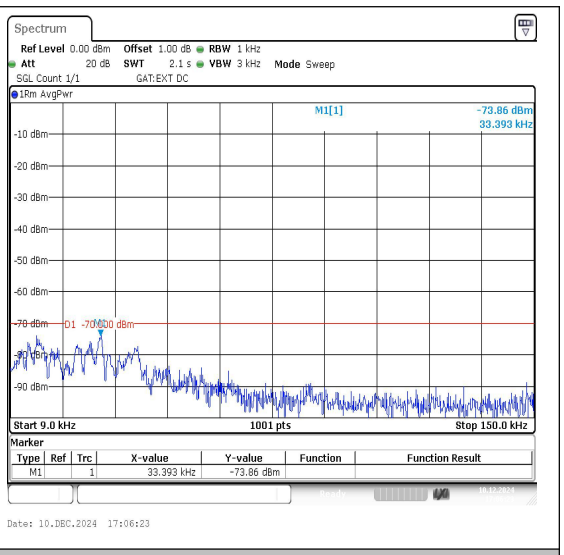
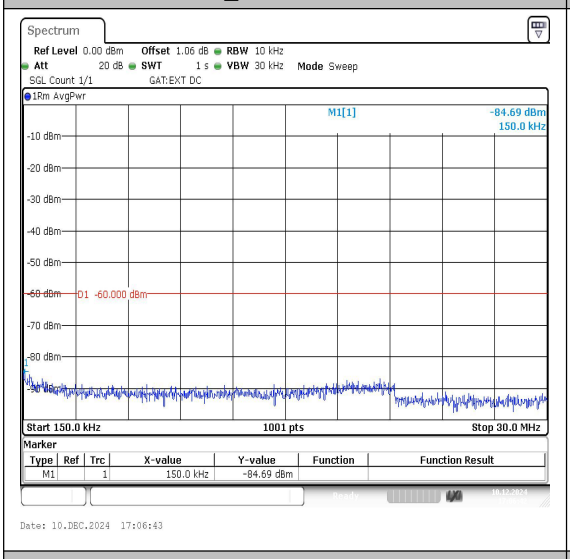


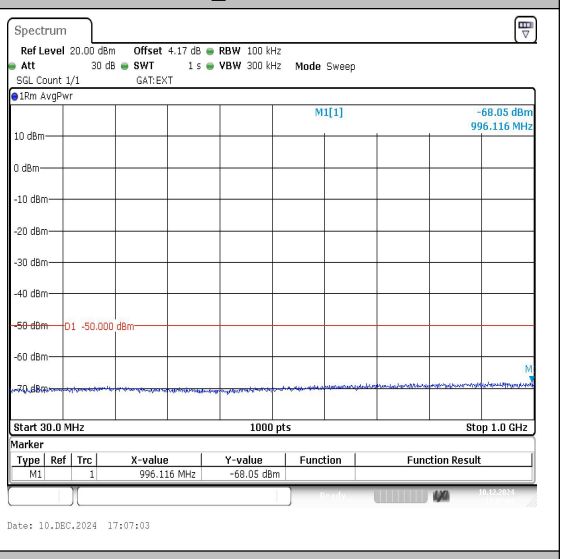
Band40_5MHz_QPSK_38750_1RB#0_3000~26500_3000~26500



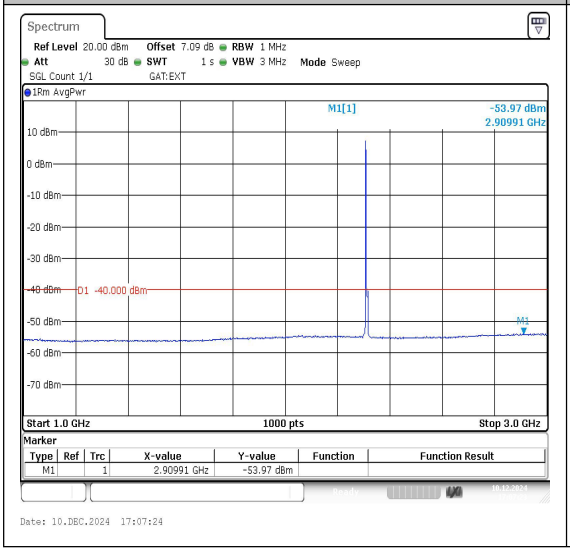
Band40_5MHz_16QAM_38750_1RB#0_0.009~0.15_0.009~0.15

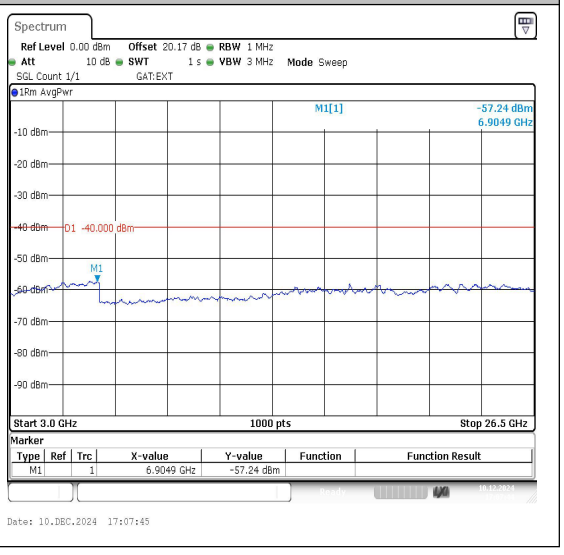


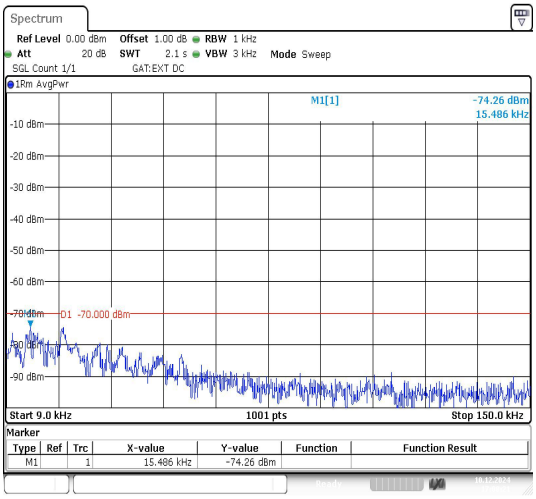
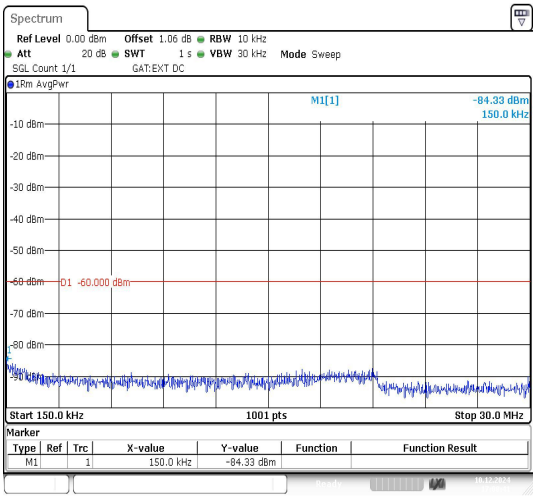
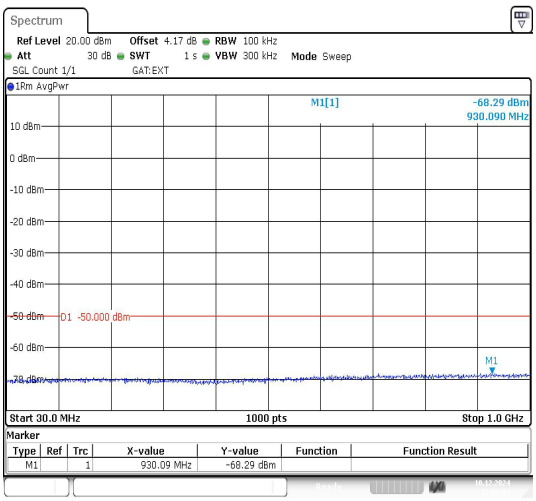
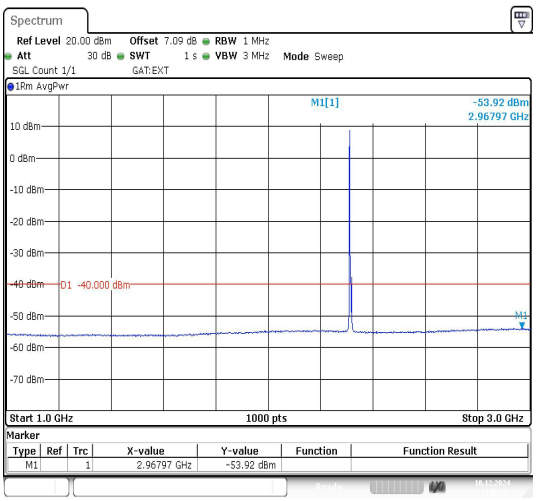
Band40_5MHz_16QAM_38750_1RB#0_0.15~30_0.15~30

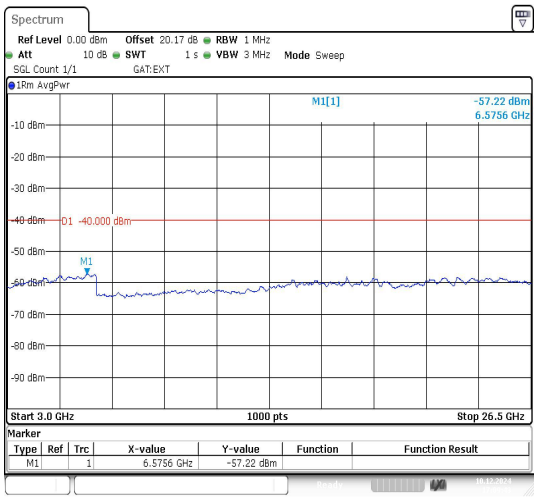


Band40_5MHz_16QAM_38750_1RB#0_30~1000_30~1000

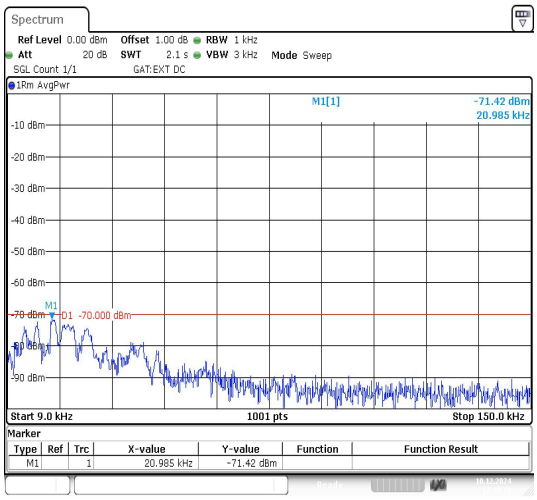




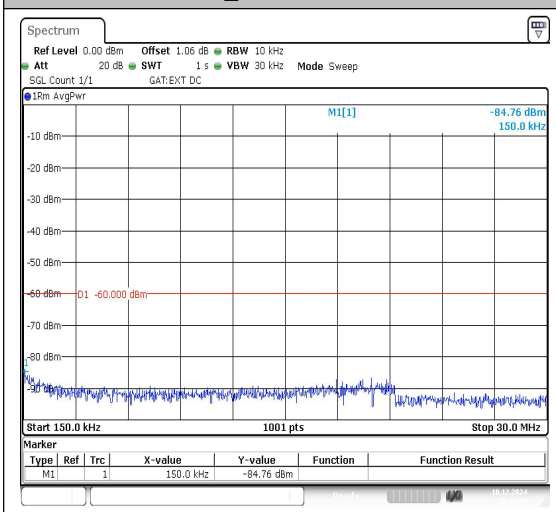
Band40_5MHz_16QAM_38750_1RB#0_1000~3000_1000~3000	Band40_5MHz_16QAM_38750_1RB#0_3000~26500_3000~26500
	
Band40_5MHz_QPSK_38775_1RB#0_0.009~0.15_0.009~0.15	Band40_5MHz_QPSK_38775_1RB#0_0.15~30_0.15~30
	
Band40_5MHz_QPSK_38775_1RB#0_30~1000_30~1000	Band40_5MHz_QPSK_38775_1RB#0_1000~3000_1000~3000



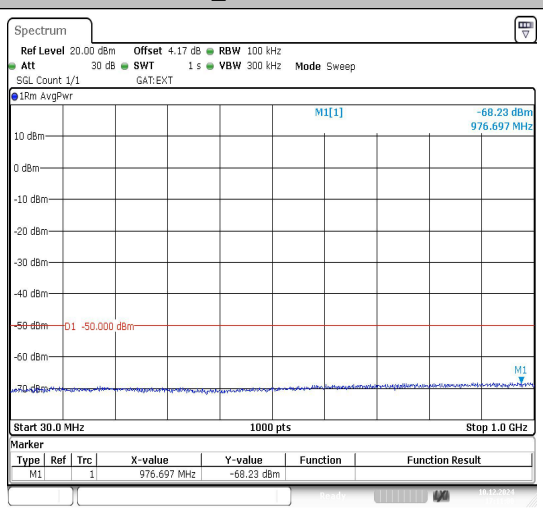
Band40_5MHz_QPSK_38775_1RB#0_3000~26500_3000~26500



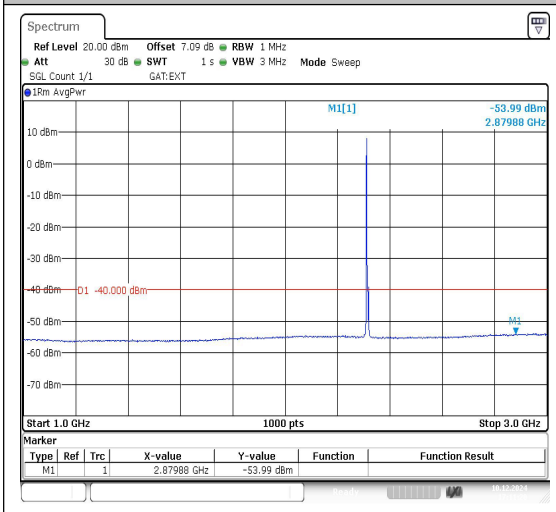
Band40_5MHz_16QAM_38775_1RB#0_0.009~0.15_0.009~0.15

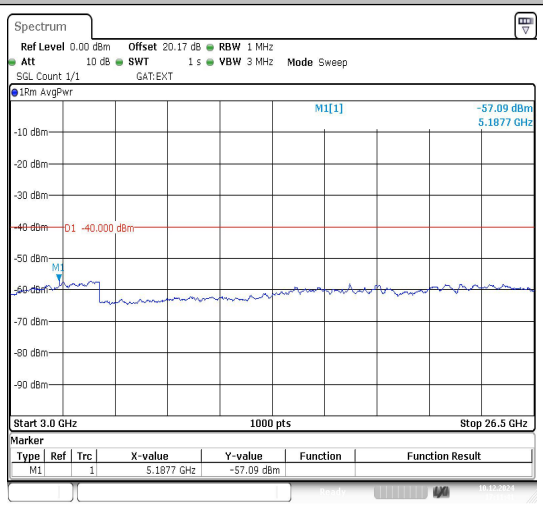


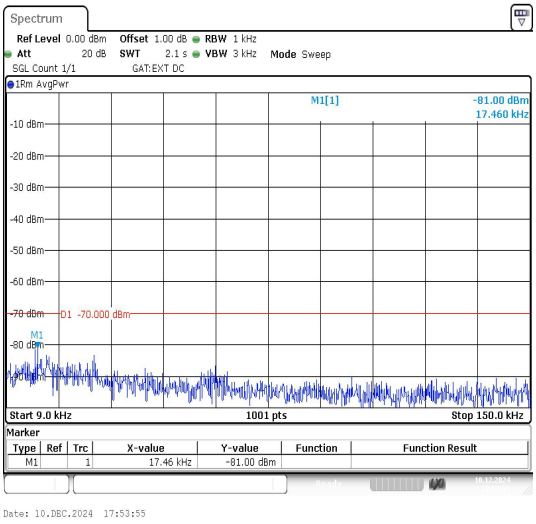
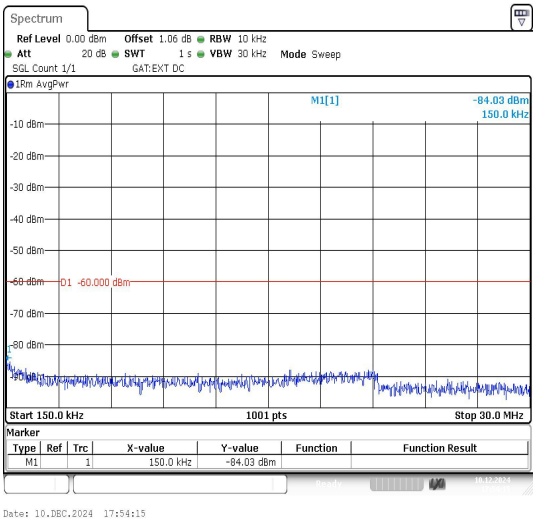
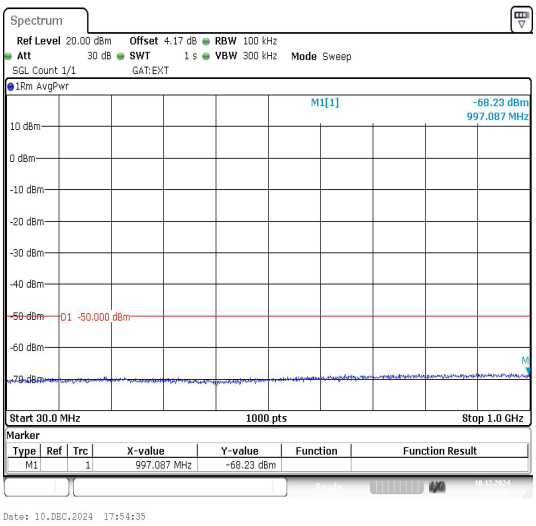
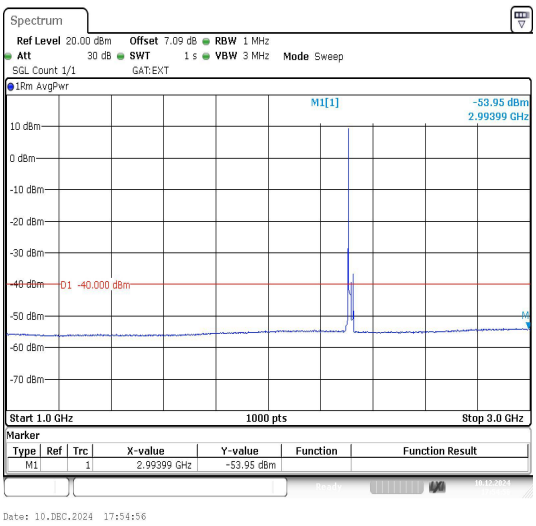
Band40_5MHz_16QAM_38775_1RB#0_0.15~30_0.15~30

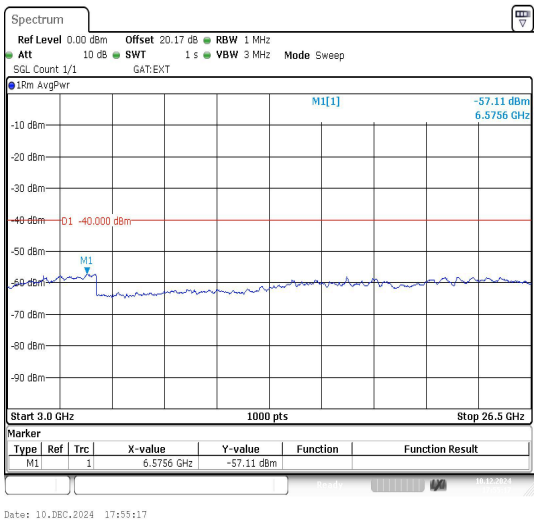


Band40_5MHz_16QAM_38775_1RB#0_30~1000_30~1000

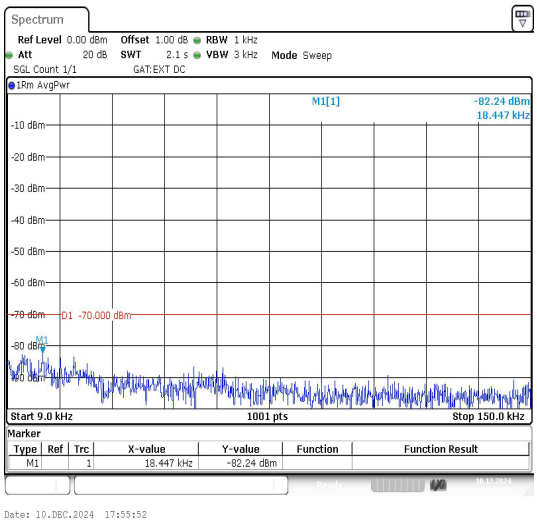




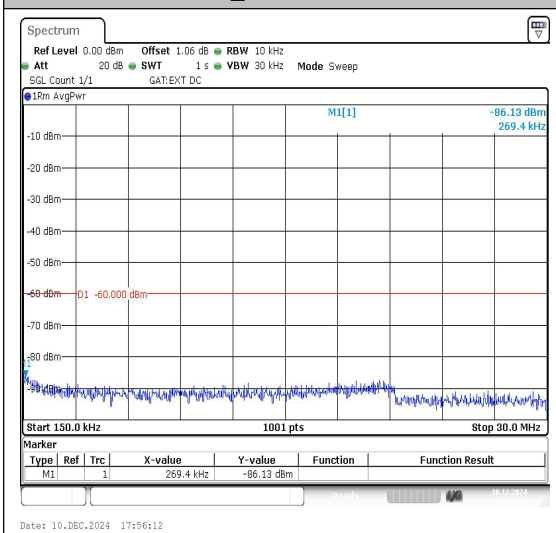
Band40_5MHz_16QAM_38775_1RB#0_1000~3000_1000~3000	Band40_5MHz_16QAM_38775_1RB#0_3000~26500_3000~26500
	
Band40_10MHz_QPSK_38750_1RB#0_0.009~0.15_0.009~0.15	Band40_10MHz_QPSK_38750_1RB#0_0.15~30_0.15~30
	
Band40_10MHz_QPSK_38750_1RB#0_30~1000_30~1000	Band40_10MHz_QPSK_38750_1RB#0_1000~3000_1000~3000



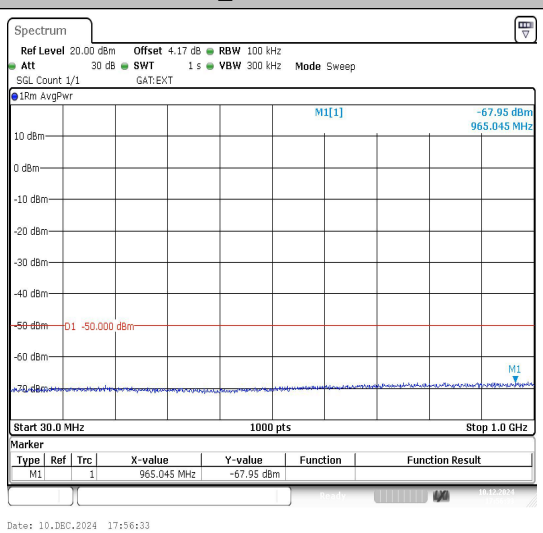
Band40_10MHz_QPSK_38750_1RB#0_3000~26500_3000~26500



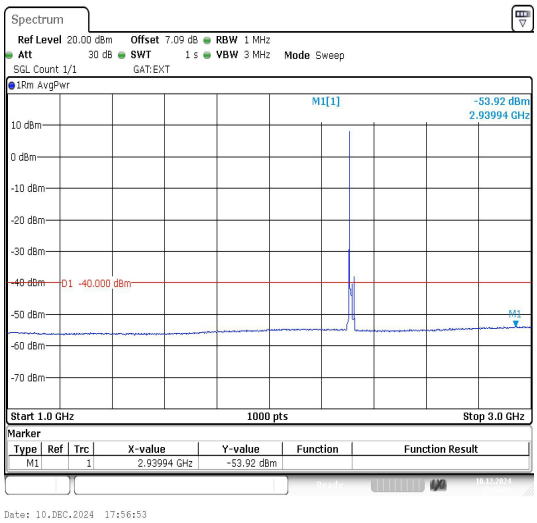
Band40_10MHz_16QAM_38750_1RB#0_0.009~0.15_0.009~0.15

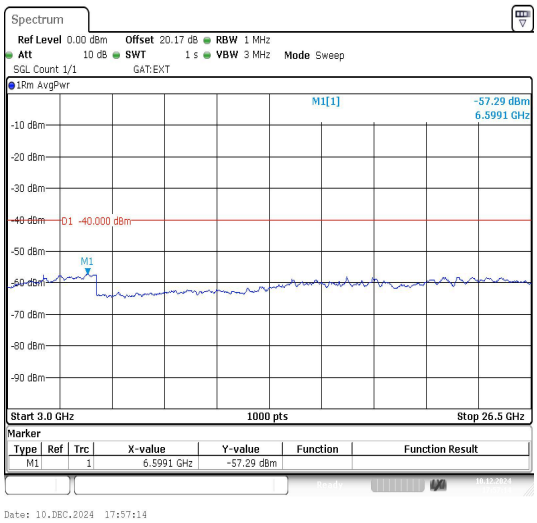


Band40_10MHz_16QAM_38750_1RB#0_0.15~30_0.15~30



Band40_10MHz_16QAM_38750_1RB#0_30~1000_30~1000





Band40_10MHz_16QAM_38750_1RB#0_1000~3000_1000~3000	Band40_10MHz_16QAM_38750_1RB#0_3000~26500_3000~26500

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VN	NT	-15.92	-0.006899	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VL	NT	-9.60	-0.004160	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VH	NT	-12.03	-0.005213	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VN	NT	-14.79	-0.006410	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VL	NT	-7.94	-0.003441	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VH	NT	-15.15	-0.006566	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VN	NT	9.16	0.003965	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VL	NT	-8.94	-0.003870	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VH	NT	-4.52	-0.001957	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VN	NT	-9.31	-0.004030	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VL	NT	5.36	0.002320	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VH	NT	-4.75	-0.002056	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VN	NT	-6.90	-0.002984	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VL	NT	-7.22	-0.003122	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VH	NT	-4.03	-0.001743	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VN	NT	10.03	0.004337	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VL	NT	4.58	0.001981	±2.5	PASS
40(2305	5MHz	16QAM	38775	25RB#0	VH	NT	-10.81	-0.004675	±2.5	PASS

-2315)										
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	VN	NT	-17.21	-0.007450	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	VL	NT	-11.27	-0.004879	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	VH	NT	-11.44	-0.004952	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	VN	NT	-12.22	-0.005290	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	VL	NT	-11.53	-0.004991	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	VH	NT	-10.50	-0.004545	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	-30	-10.79	-0.004676	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	-20	-13.80	-0.005980	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	-10	-8.84	-0.003831	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	0	-17.02	-0.007376	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	10	-10.33	-0.004477	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	20	-10.96	-0.004750	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	30	-10.31	-0.004468	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	40	-6.49	-0.002813	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38725	25RB#0	NV	50	-14.13	-0.006124	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	-30	-13.16	-0.005703	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	-20	-12.57	-0.005447	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	-10	-9.61	-0.004165	±2.5	PASS

40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	0	-14.41	-0.006245	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	10	-13.56	-0.005876	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	20	-8.27	-0.003584	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	30	-13.00	-0.005634	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	40	-11.53	-0.004997	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	50	-9.67	-0.004191	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	-30	-10.93	-0.004732	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	-20	-6.05	-0.002619	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	-10	-11.70	-0.005065	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	0	-7.57	-0.003277	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	10	-3.91	-0.001693	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	20	-7.97	-0.003450	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	30	-10.79	-0.004671	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	40	2.15	0.000931	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	50	-11.19	-0.004844	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	-30	-11.56	-0.005004	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	-20	-4.31	-0.001866	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	-10	-6.27	-0.002714	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	0	-6.52	-0.002823	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	10	-6.04	-0.002615	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	20	-10.10	-0.004372	±2.5	PASS

40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	30	-8.24	-0.003567	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	40	-4.28	-0.001853	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	50	-7.30	-0.003160	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	-30	-6.97	-0.003014	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	-20	-9.14	-0.003952	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	-10	-6.61	-0.002858	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	0	-5.12	-0.002214	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	10	-7.12	-0.003079	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	20	-4.11	-0.001777	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	30	-9.67	-0.004182	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	40	-11.92	-0.005155	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	50	-10.03	-0.004337	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	-30	-5.42	-0.002344	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	-20	-10.87	-0.004701	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	-10	-7.71	-0.003334	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	0	-3.02	-0.001306	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	10	-12.39	-0.005358	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	20	-11.20	-0.004843	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	30	-9.48	-0.004099	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	40	-1.93	-0.000835	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	50	-8.00	-0.003459	±2.5	PASS

40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-30	-12.10	-0.005238	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-20	-12.89	-0.005580	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-10	-8.98	-0.003887	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	0	-10.39	-0.004498	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	10	-13.45	-0.005823	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	20	-10.01	-0.004333	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	30	-10.94	-0.004736	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	40	-11.23	-0.004861	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	50	-11.99	-0.005190	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-30	-12.40	-0.005368	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-20	-11.86	-0.005134	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-10	-8.41	-0.003641	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	0	-13.18	-0.005706	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	10	-14.52	-0.006286	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	20	-11.14	-0.004823	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	30	-10.94	-0.004736	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	40	-10.67	-0.004619	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	50	-13.56	-0.005870	±2.5	PASS