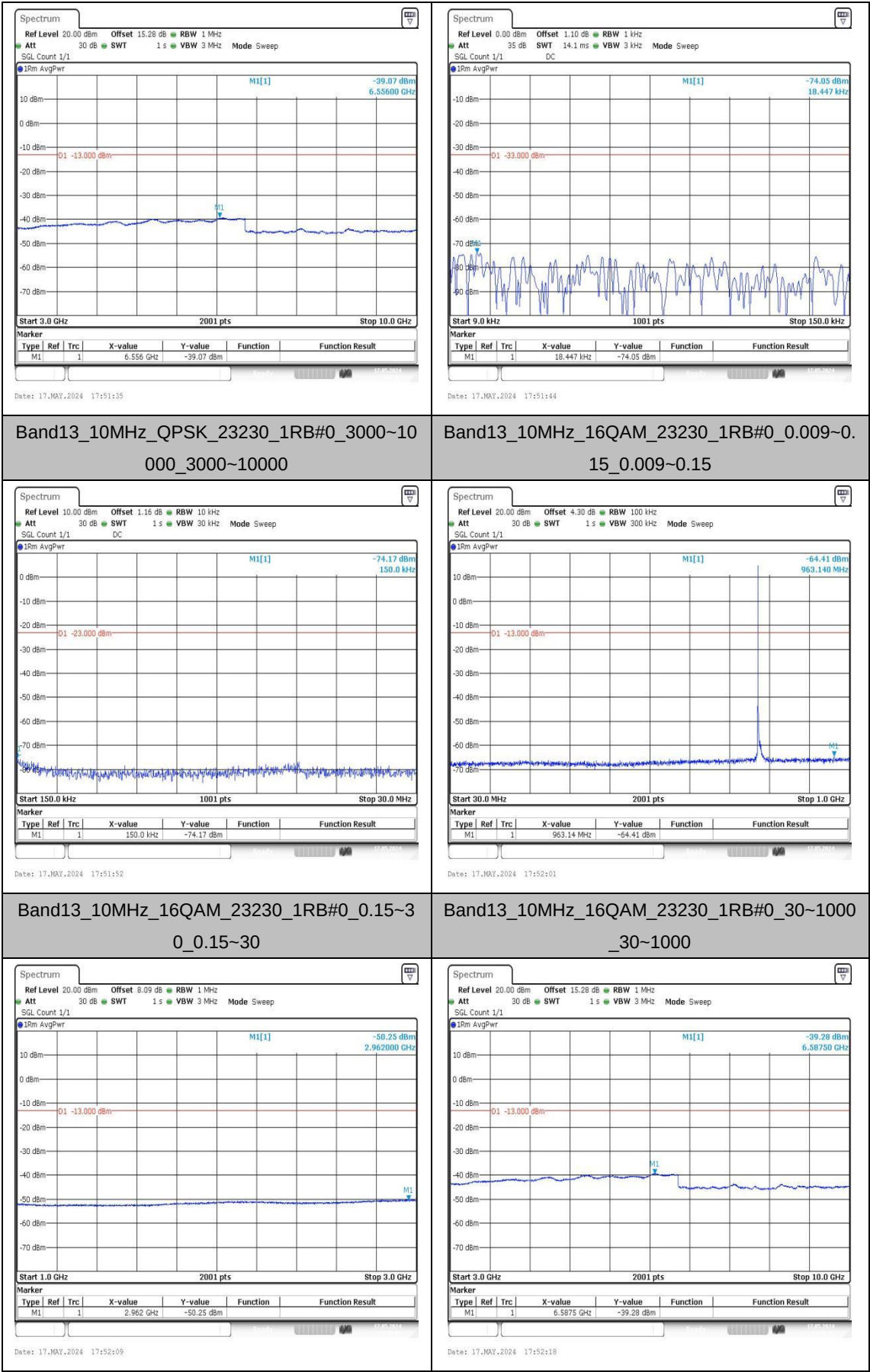




Band13_10MHz_16QAM_23230_1RB#0_1000~3000_1000~3000	Band13_10MHz_16QAM_23230_1RB#0_3000~10000_3000~10000
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Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	7.38	0.009468	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	4.09	0.005247	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	4.39	0.005632	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	3.55	0.004554	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	12.56	0.016113	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	3.38	0.004336	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	1.57	0.002008	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	3.89	0.004974	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	2.45	0.003133	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	1.44	0.001841	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	2.50	0.003197	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-8.25	-0.010550	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	1.62	0.002065	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	13.18	0.016801	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	2.55	0.003250	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	3.39	0.004321	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	2.72	0.003467	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	3.65	0.004653	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-7.81	-0.009987	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-6.65	-0.008504	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-6.21	-0.007941	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	-6.91	-0.008836	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-1.97	-0.002519	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	-5.41	-0.006918	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	11.30	0.014496	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	12.90	0.016549	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	9.31	0.011944	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	10.04	0.012880	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	3.88	0.004978	±2.5	PASS

Band13	5MHz	QPSK	23205	25RB#0	NV	20	5.21	0.006684	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	13.88	0.017806	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	12.75	0.016357	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	5.11	0.006555	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	2.99	0.003836	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	11.69	0.014997	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	2.60	0.003335	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	3.33	0.004272	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	9.61	0.012328	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	11.47	0.014715	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	4.62	0.005927	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	5.48	0.007030	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	5.49	0.007043	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	1.54	0.001969	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	1.04	0.001330	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	2.47	0.003159	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	2.25	0.002877	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	3.30	0.004220	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	2.29	0.002928	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	15.71	0.020090	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	3.43	0.004386	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	1.54	0.001969	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	5.19	0.006637	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	5.54	0.007084	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	4.26	0.005448	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-7.34	-0.009386	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	3.10	0.003964	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	3.52	0.004501	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	3.50	0.004476	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	1.69	0.002161	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	2.78	0.003555	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	13.72	0.017489	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	3.26	0.004156	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	-5.21	-0.006641	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	4.94	0.006297	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	4.61	0.005876	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	4.18	0.005328	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-4.85	-0.006182	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-5.99	-0.007635	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	-7.45	-0.009496	±2.5	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	-30	3.32	0.004232	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-6.04	-0.007699	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	-1.04	-0.001326	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-2.15	-0.002741	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	-2.90	-0.003697	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	2.55	0.003250	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	-4.92	-0.006272	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	2.86	0.003646	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	-5.76	-0.007342	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	1.37	0.001752	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-6.04	-0.007724	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-0.62	-0.000793	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-7.77	-0.009936	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-1.13	-0.001445	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-2.43	-0.003107	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	1.76	0.002251	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-7.74	-0.009898	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	1.09	0.001394	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	1.69	0.002161	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	1.77	0.002263	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	3.03	0.003875	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-1.76	-0.002251	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-9.01	-0.011522	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-2.66	-0.003402	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-1.89	-0.002417	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	-7.21	-0.009220	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	1.04	0.001330	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band13	5MHz	QPSK	23205	25RB#0	PASS
Band13	5MHz	16QAM	23205	25RB#0	PASS
Band13	5MHz	QPSK	23230	25RB#0	PASS
Band13	5MHz	16QAM	23230	25RB#0	PASS
Band13	5MHz	QPSK	23255	25RB#0	PASS
Band13	5MHz	16QAM	23255	25RB#0	PASS
Band13	10MHz	QPSK	23230	50RB#0	PASS
Band13	10MHz	16QAM	23230	50RB#0	PASS

Test Graphs

