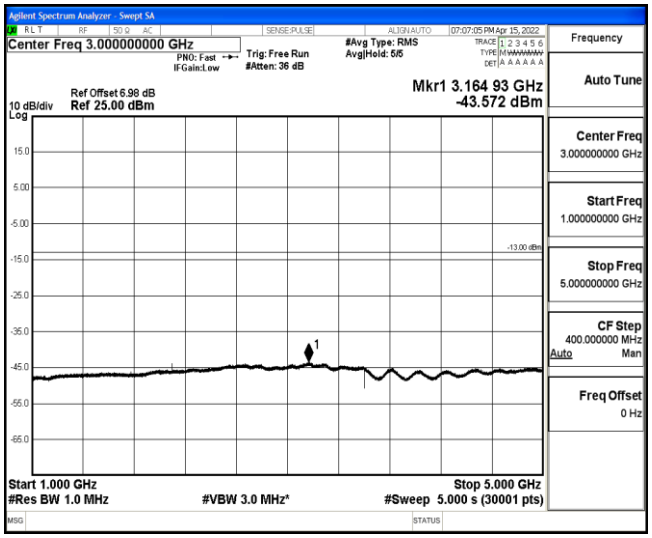
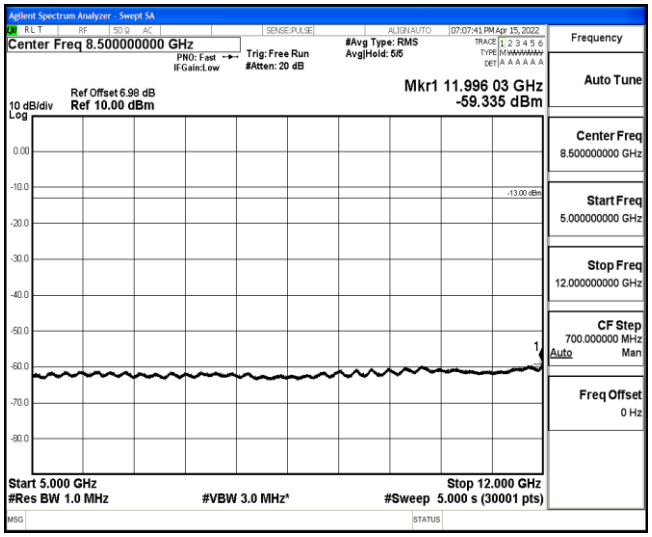
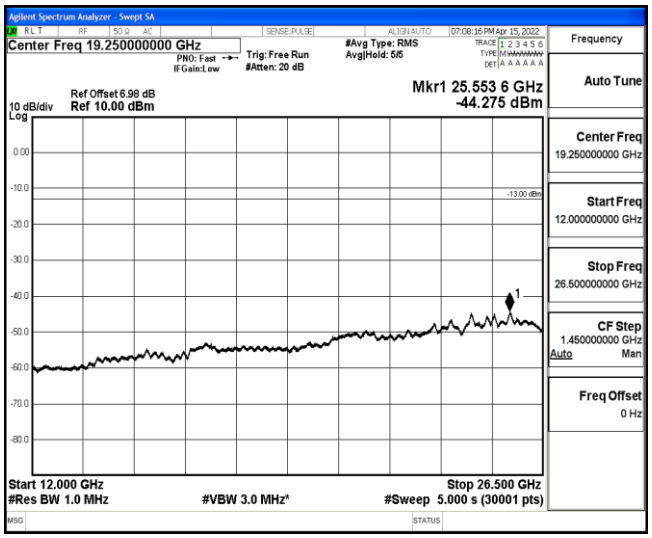


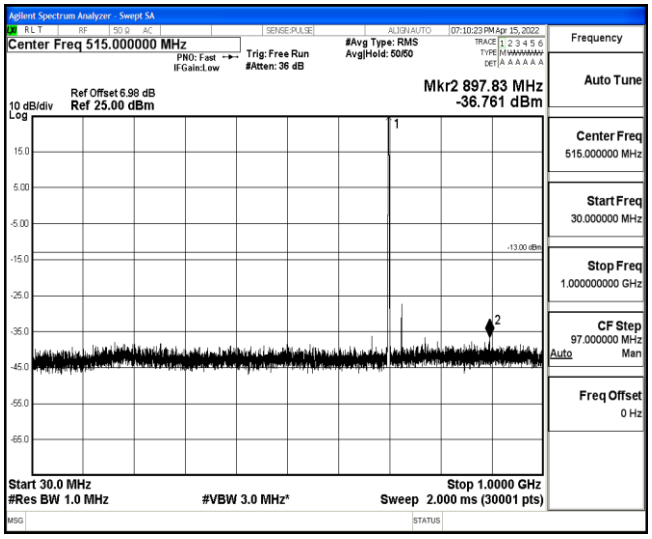
Band12-3MHz-QPSK-23025-1-0-Low-1000-5000--43.57-PASS



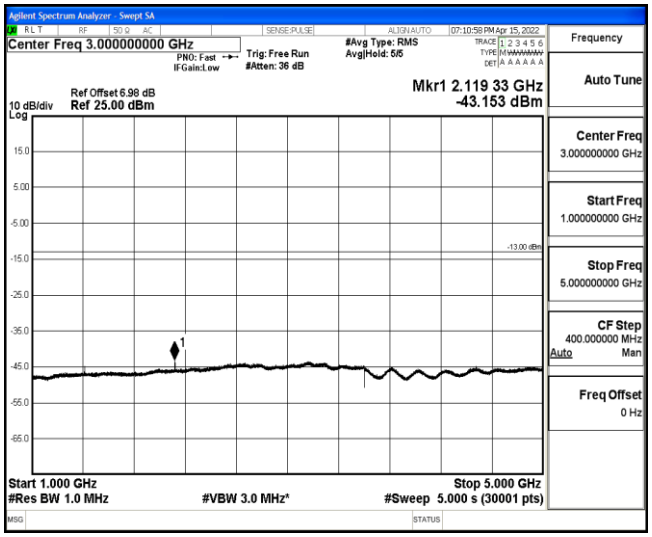
Band12-3MHz-QPSK-23025-1-0-Low-5000-12000--59.34-PASS



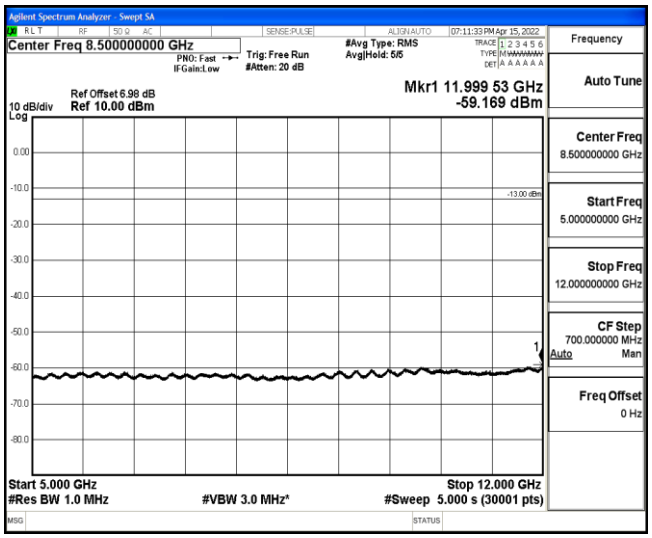
Band12-3MHz-QPSK-23025-1-0-Low-12000-26500--44.28-PASS



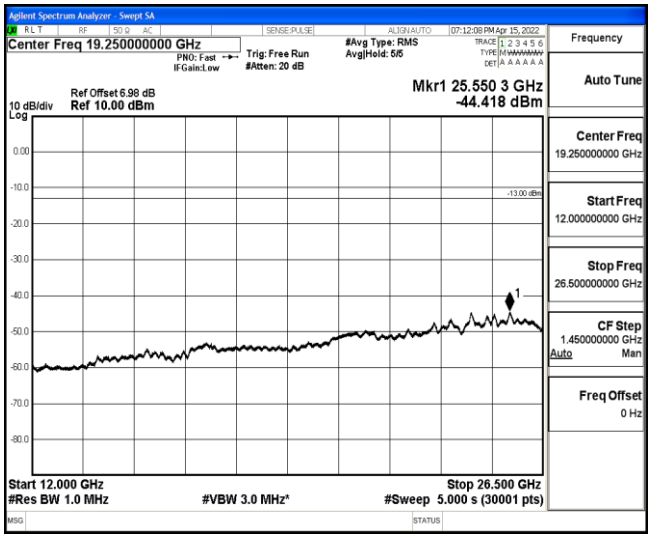
Band12-3MHz-QPSK-23095-1-0-Low-30-1000--36.76-PASS



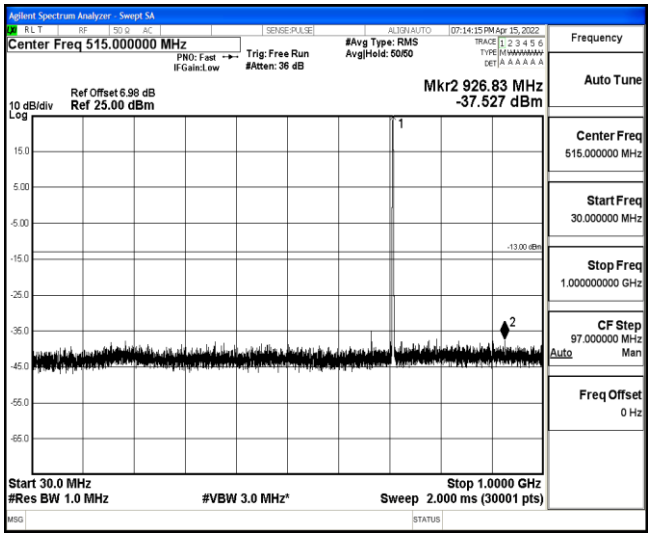
Band12-3MHz-QPSK-23095-1-0-Low-1000-5000--43.15-PASS



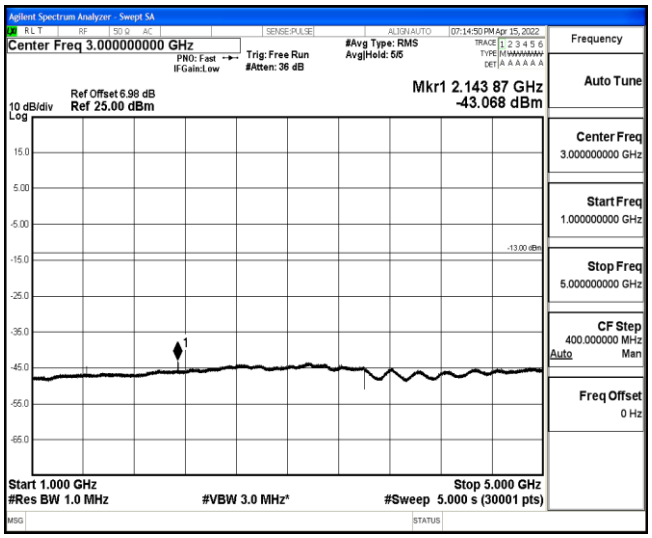
Band12-3MHz-QPSK-23095-1-0-Low-5000-12000--59.17-PASS



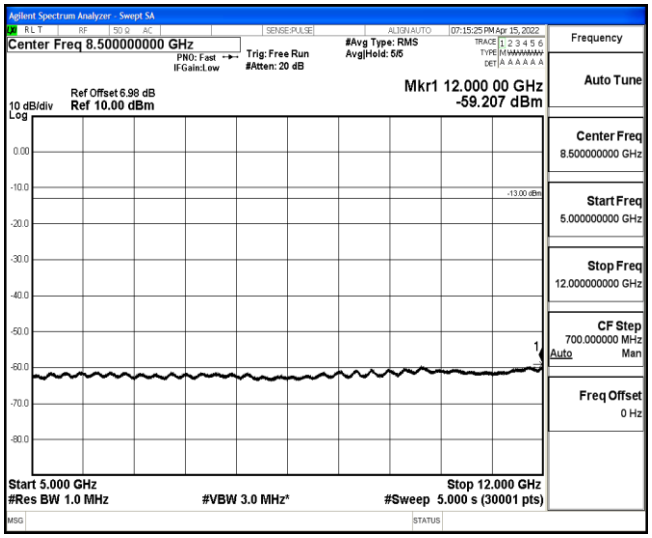
Band12-3MHz-QPSK-23095-1-0-Low-12000-26500--44.42-PASS



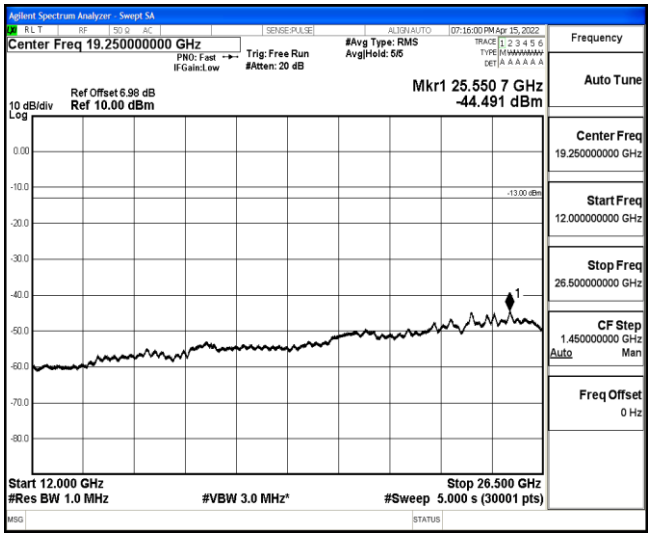
Band12-3MHz-QPSK-23165-1-0-High-30-1000--37.53-PASS



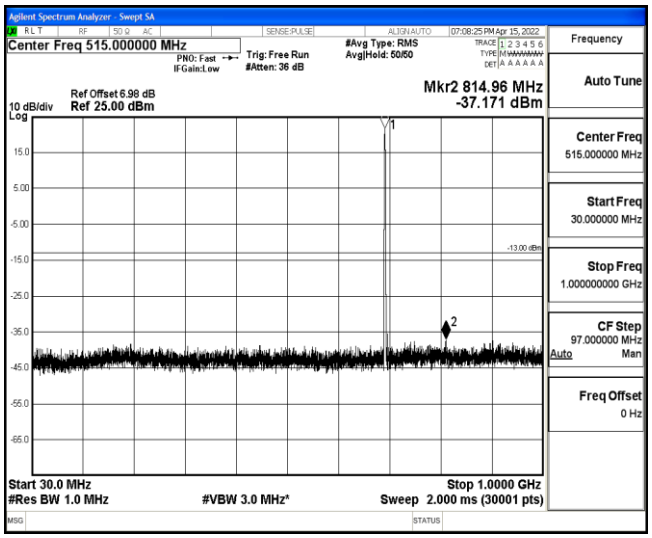
Band12-3MHz-QPSK-23165-1-0-High-1000-5000--43.07-PASS



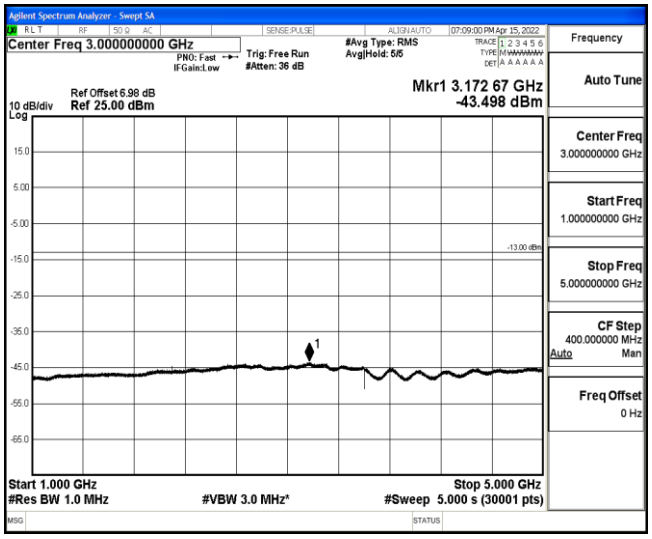
Band12-3MHz-QPSK-23165-1-0-High-5000-12000--59.21-PASS



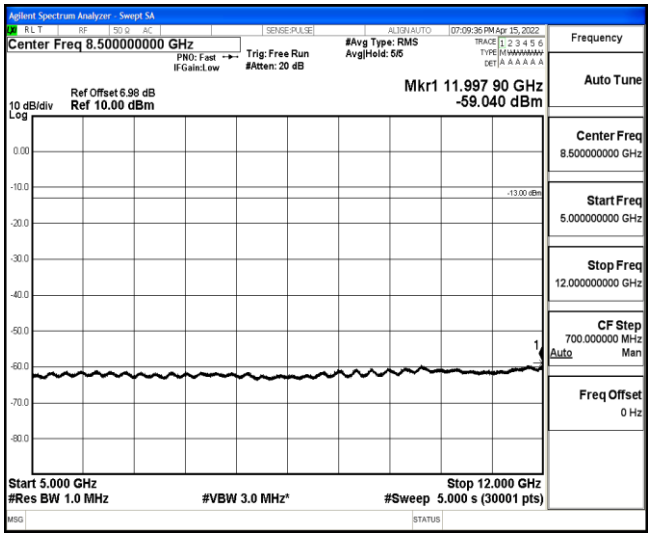
Band12-3MHz-QPSK-23165-1-0-High-12000-26500--44.49-PASS



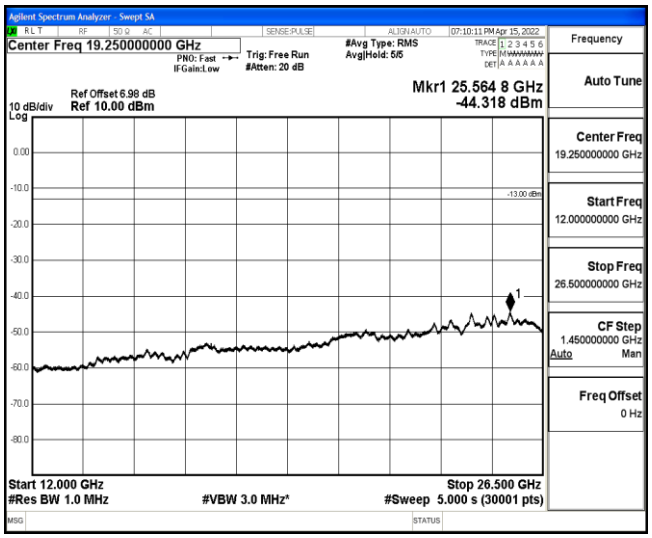
Band12-3MHz-16QAM-23025-1-0-Low-30-1000--37.17-PASS



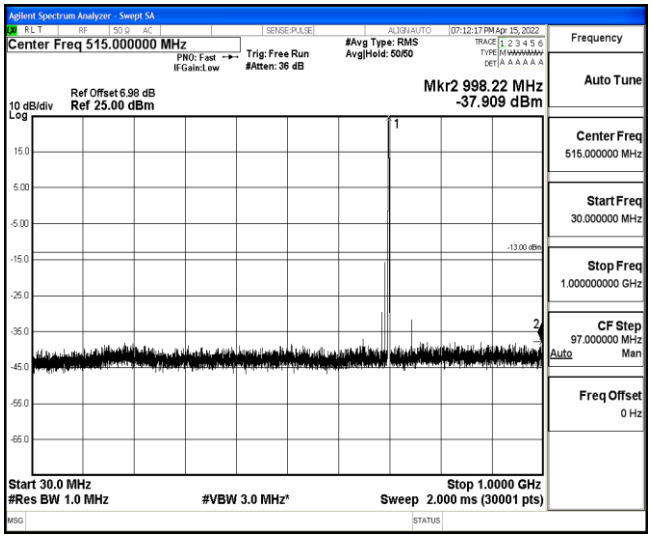
Band12-3MHz-16QAM-23025-1-0-Low-1000-5000--43.5-PASS



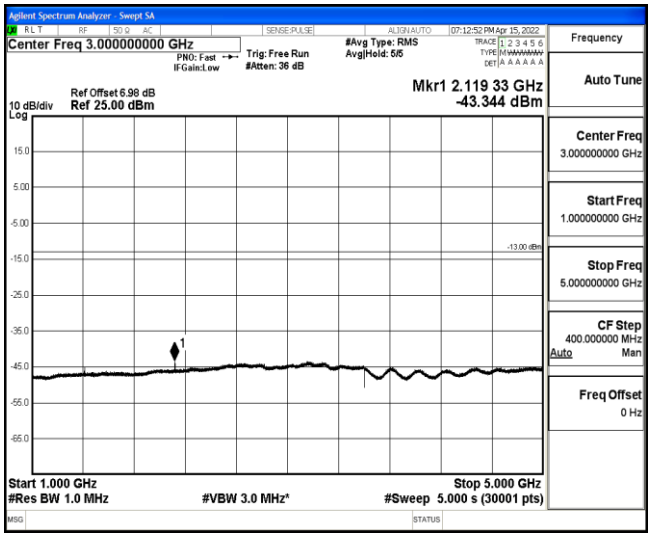
Band12-3MHz-16QAM-23025-1-0-Low-5000-12000--59.04-PASS



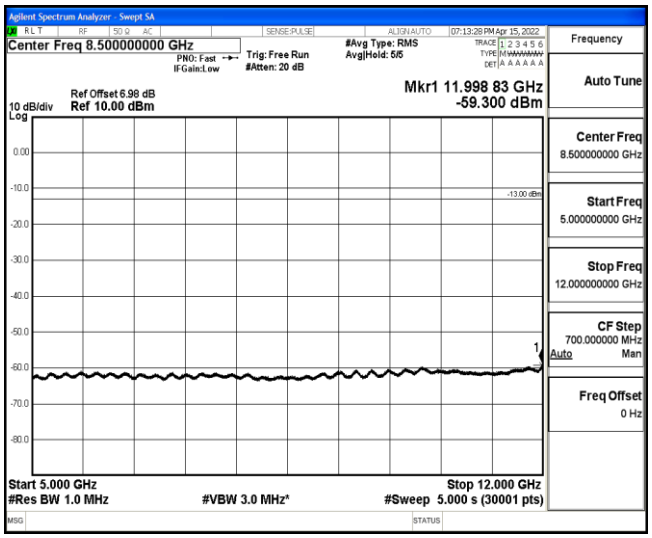
Band12-3MHz-16QAM-23025-1-0-Low-12000-26500--44.32-PASS



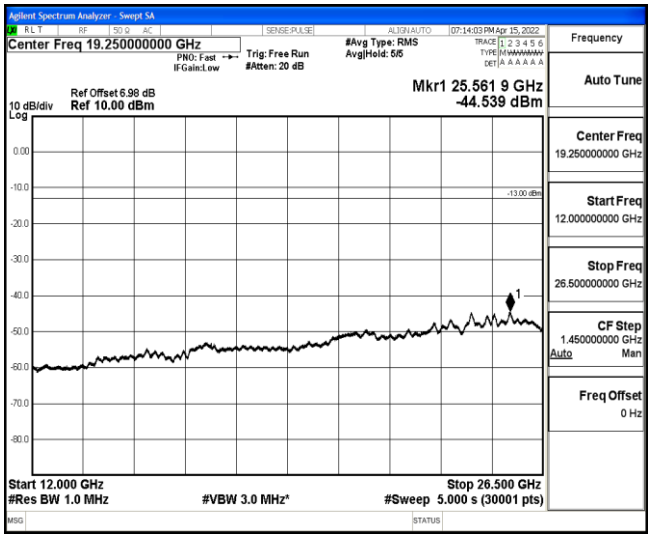
Band12-3MHz-16QAM-23095-1-0-Low-30-1000--37.91-PASS



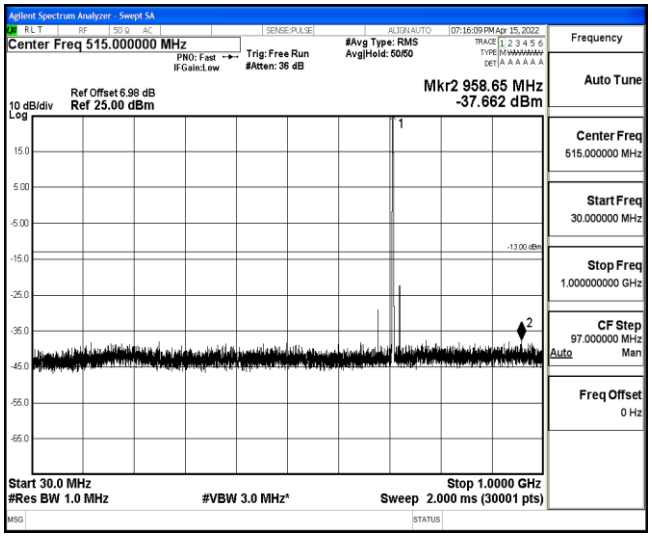
Band12-3MHz-16QAM-23095-1-0-Low-1000-5000--43.34-PASS



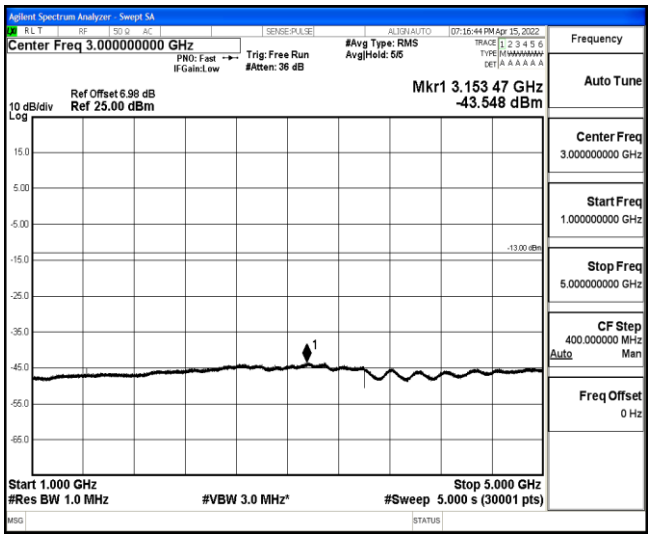
Band12-3MHz-16QAM-23095-1-0-Low-5000-12000--59.3-PASS



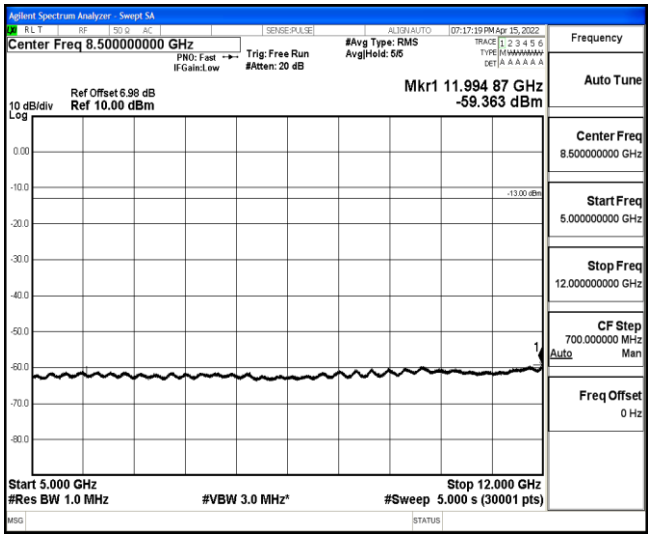
Band12-3MHz-16QAM-23095-1-0-Low-12000-26500--44.54-PASS



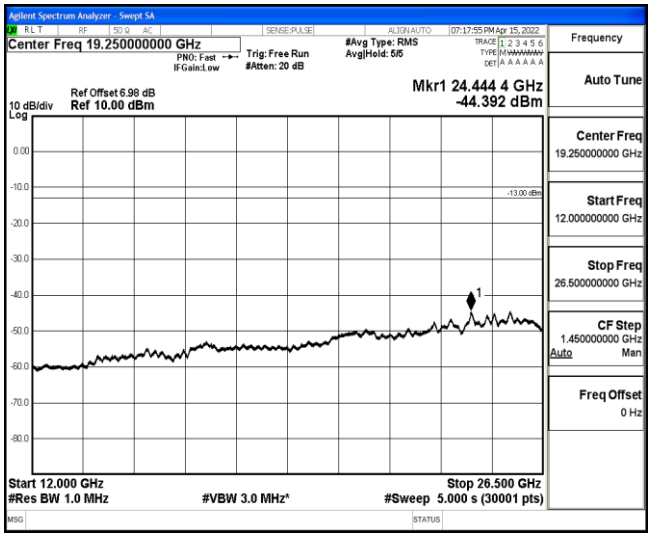
Band12-3MHz-16QAM-23165-1-0-High-30-1000--37.66-PASS



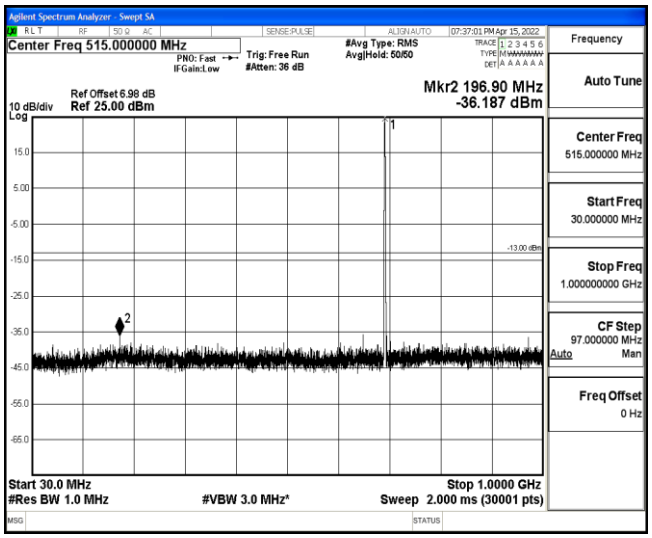
Band12-3MHz-16QAM-23165-1-0-High-1000-5000--43.55-PASS



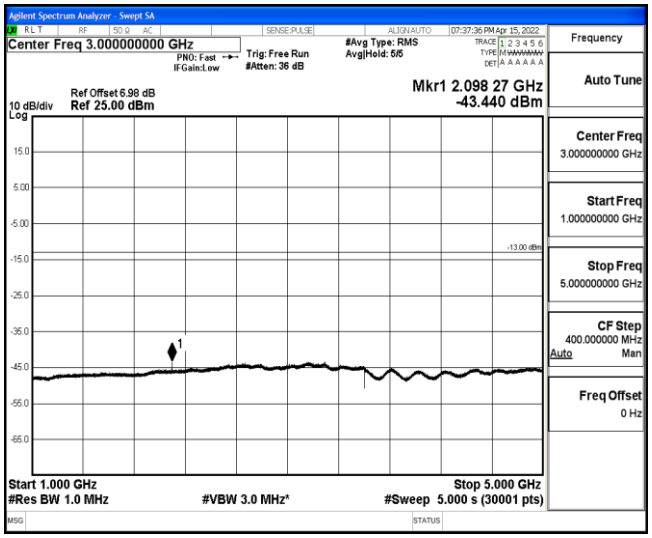
Band12-3MHz-16QAM-23165-1-0-High-5000-12000--59.36-PASS



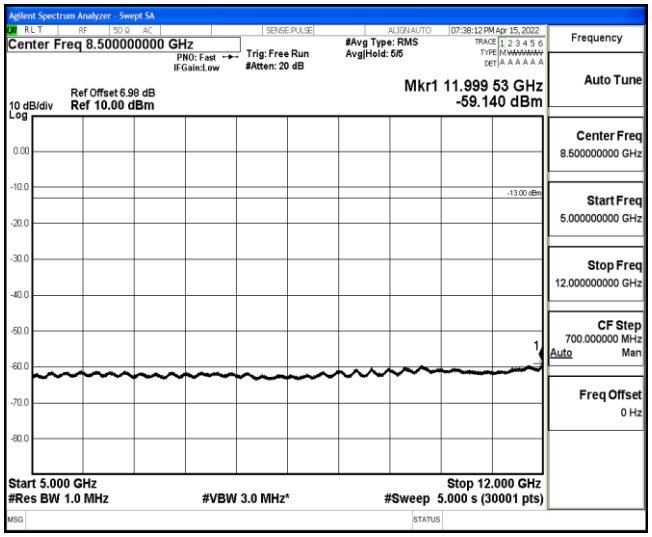
Band12-3MHz-16QAM-23165-1-0-High-12000-26500--44.39-PASS



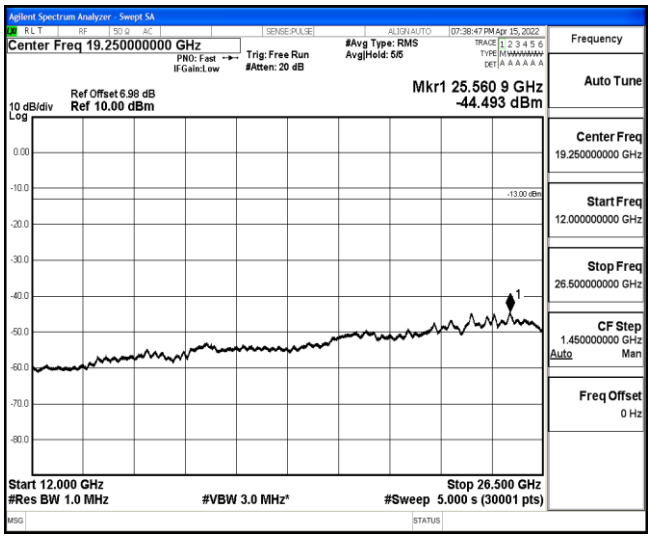
Band12-5MHz-QPSK-23035-1-0-Low-30-1000--36.19-PASS



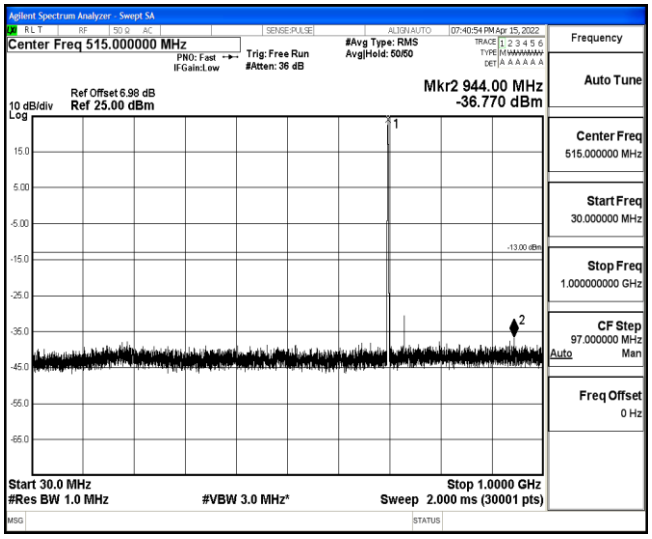
Band12-5MHz-QPSK-23035-1-0-Low-1000-5000--43.44-PASS



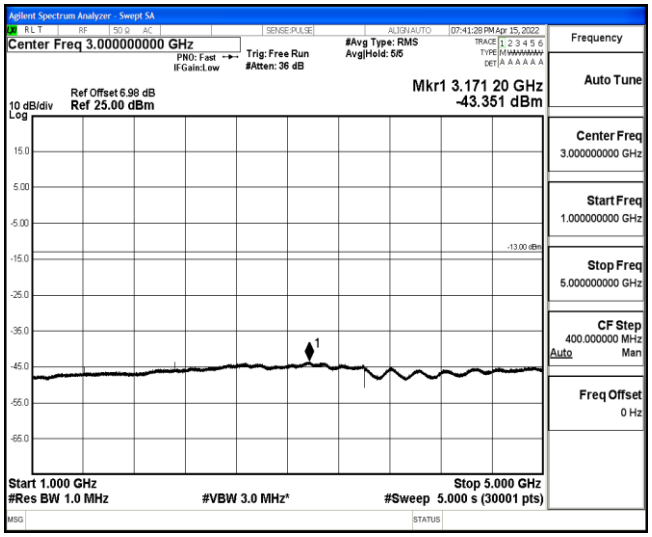
Band12-5MHz-QPSK-23035-1-0-Low-5000-12000--59.14-PASS



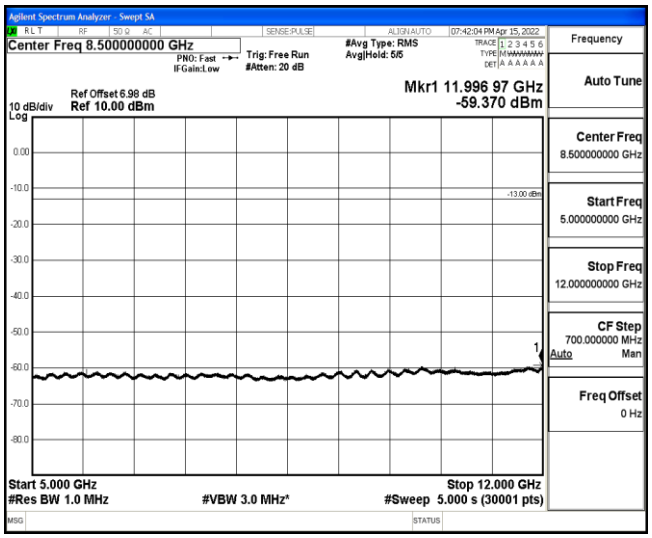
Band12-5MHz-QPSK-23035-1-0-Low-12000-26500--44.49-PASS



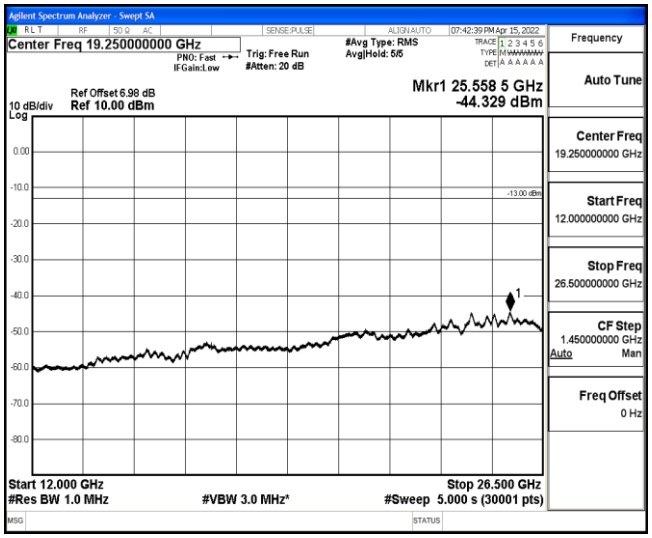
Band12-5MHz-QPSK-23095-1-0-Low-30-1000--36.77-PASS



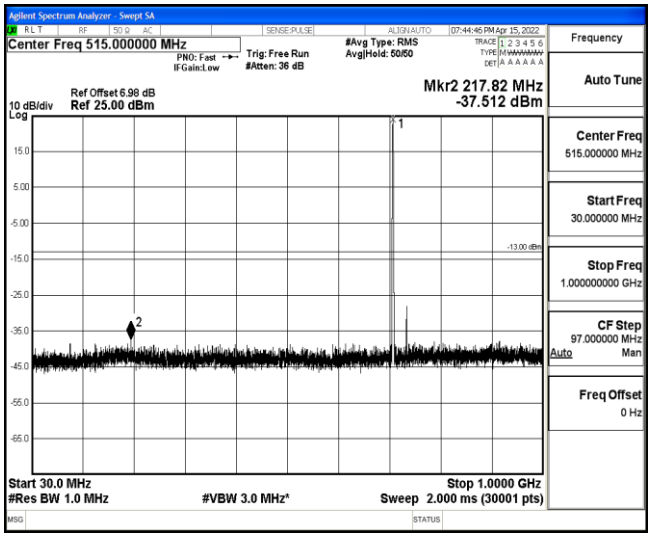
Band12-5MHz-QPSK-23095-1-0-Low-1000-5000--43.35-PASS



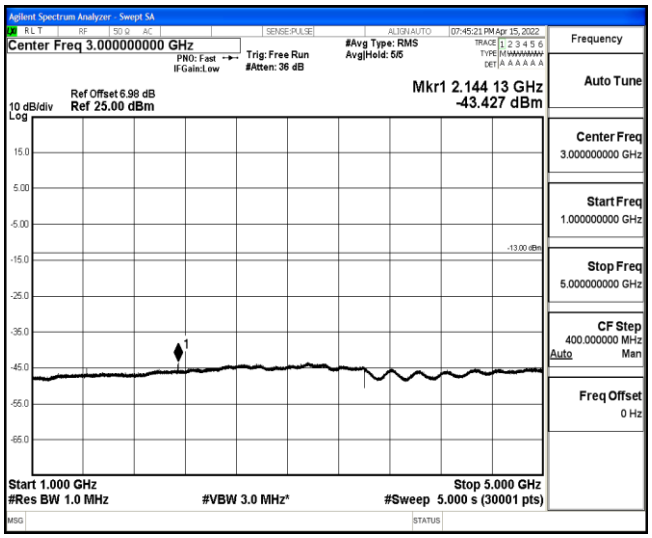
Band12-5MHz-QPSK-23095-1-0-Low-5000-12000--59.37-PASS



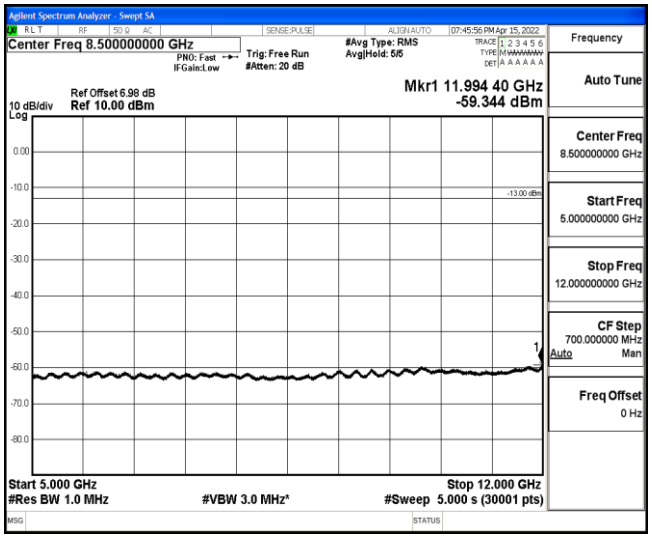
Band12-5MHz-QPSK-23095-1-0-Low-12000-26500--44.33-PASS



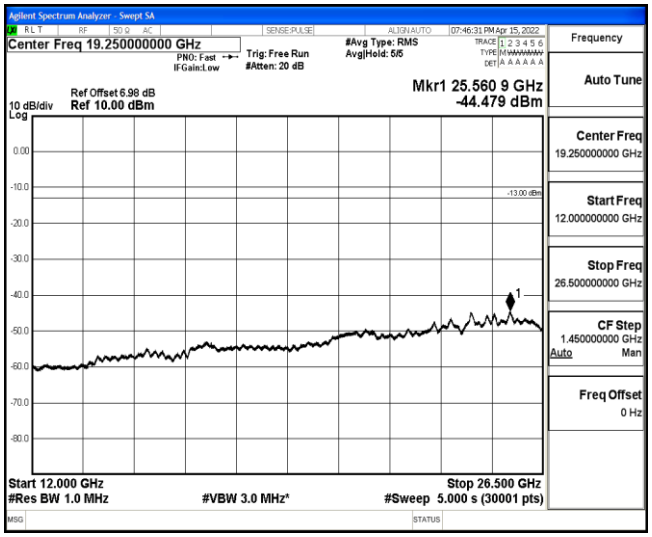
Band12-5MHz-QPSK-23155-1-0-High-30-1000--37.51-PASS



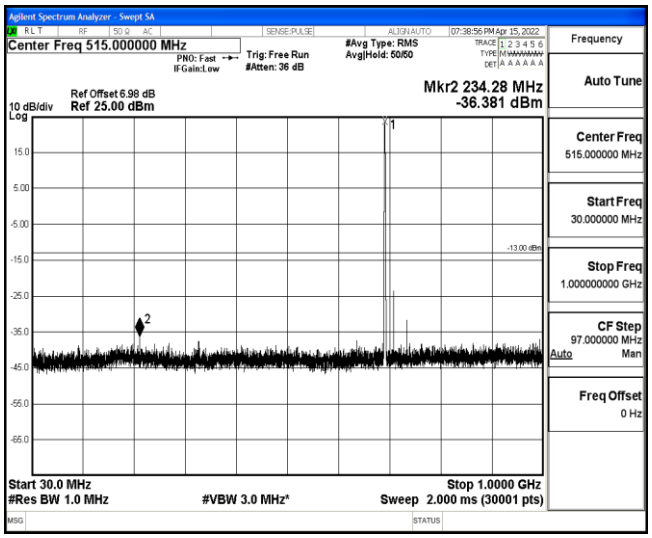
Band12-5MHz-QPSK-23155-1-0-High-1000-5000--43.43-PASS



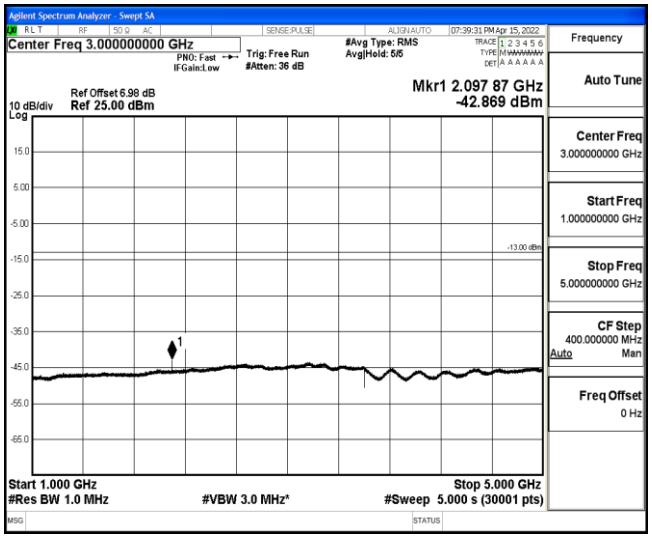
Band12-5MHz-QPSK-23155-1-0-High-5000-12000--59.34-PASS



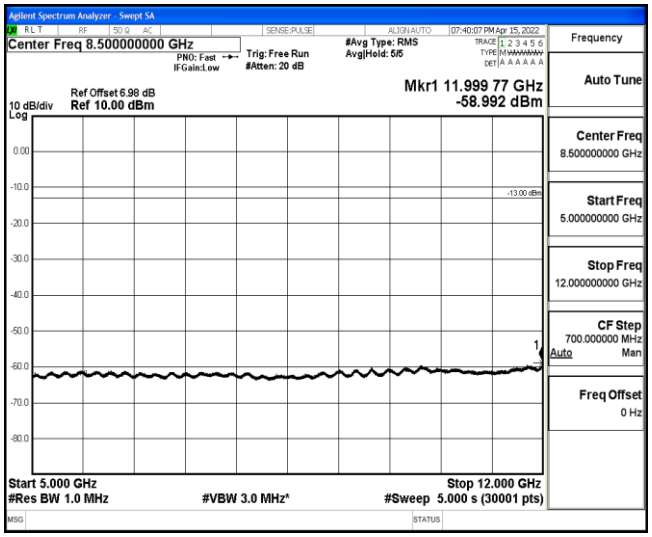
Band12-5MHz-QPSK-23155-1-0-High-12000-26500--44.48-PASS



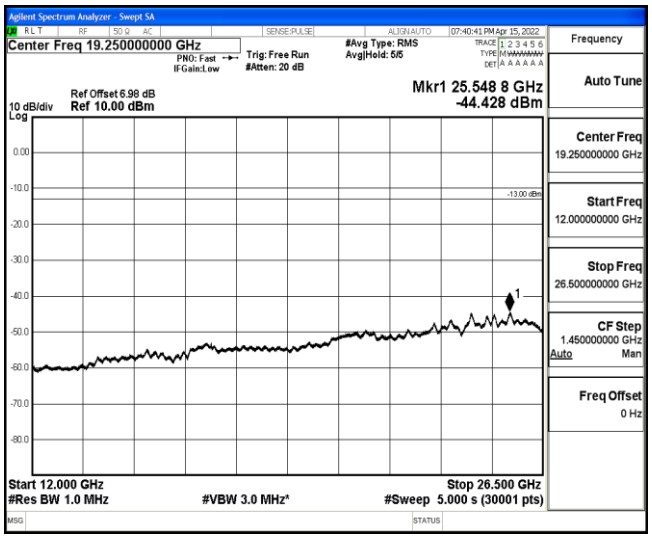
Band12-5MHz-16QAM-23035-1-0-Low-30-1000--36.38-PASS



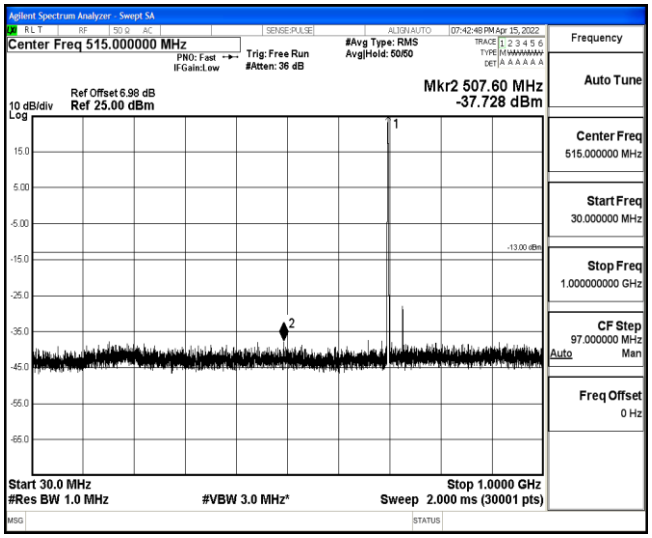
Band12-5MHz-16QAM-23035-1-0-Low-1000-5000--42.87-PASS



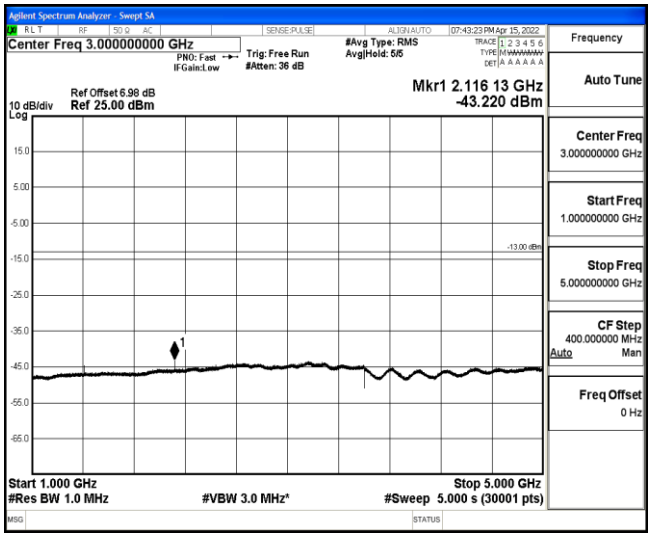
Band12-5MHz-16QAM-23035-1-0-Low-5000-12000--58.99-PASS



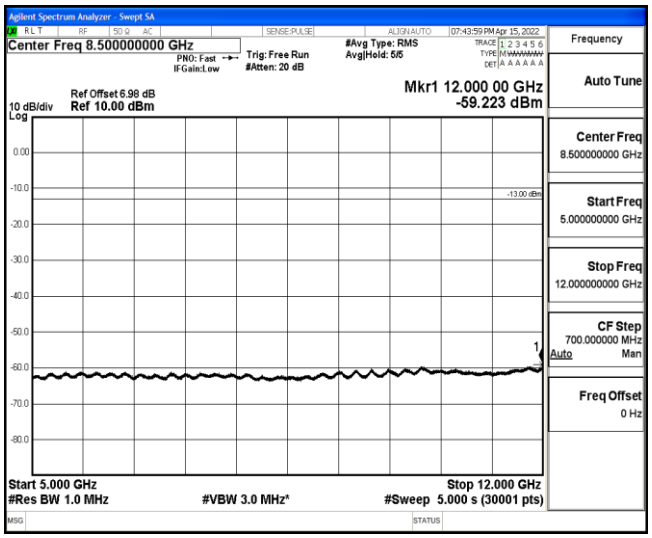
Band12-5MHz-16QAM-23035-1-0-Low-12000-26500--44.43-PASS



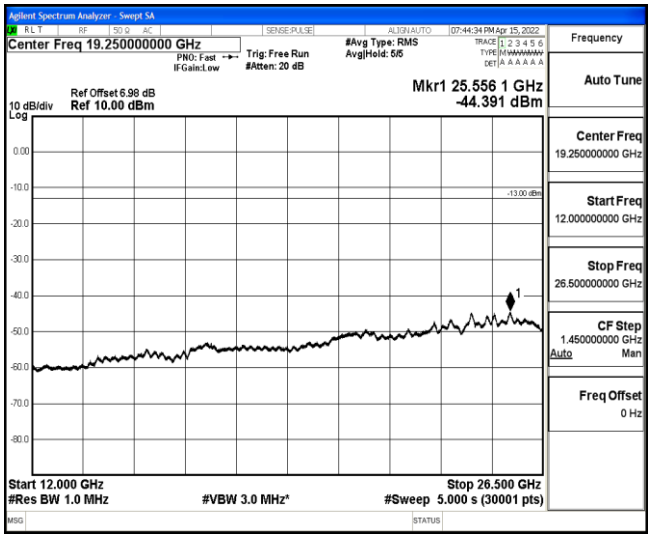
Band12-5MHz-16QAM-23095-1-0-Low-30-1000--37.73-PASS



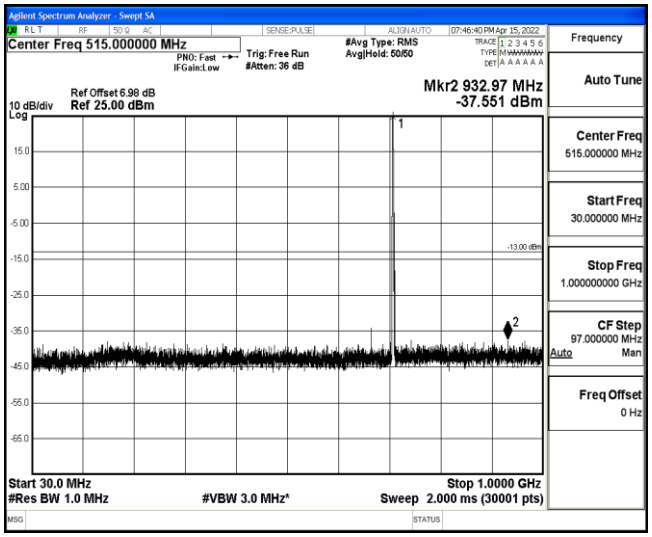
Band12-5MHz-16QAM-23095-1-0-Low-1000-5000--43.22-PASS



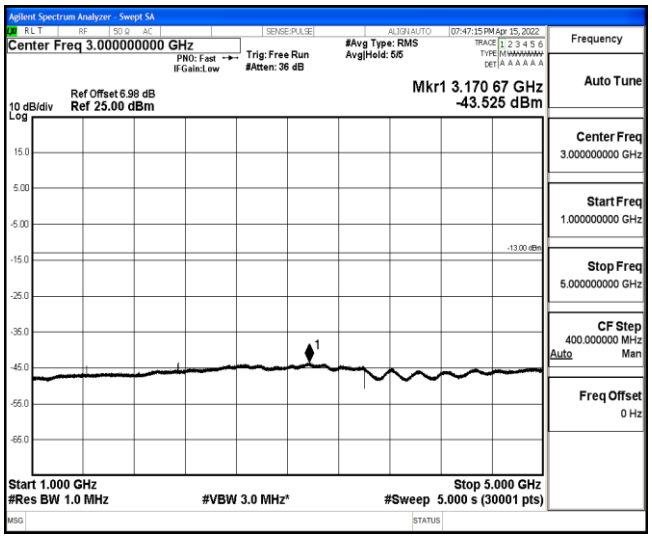
Band12-5MHz-16QAM-23095-1-0-Low-5000-12000--59.22-PASS



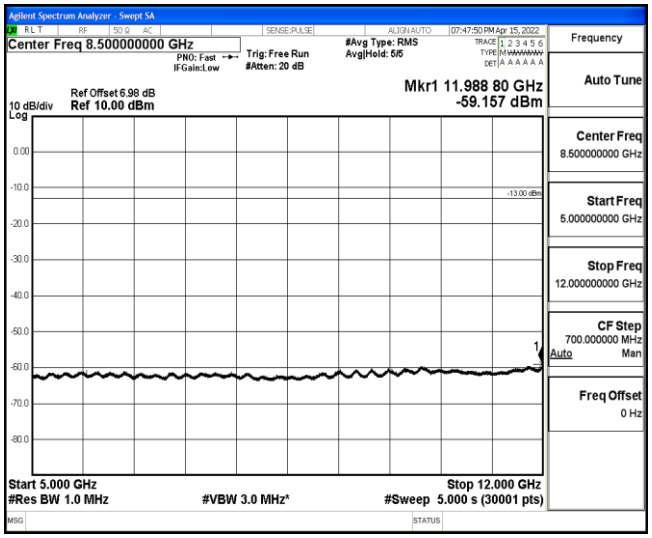
Band12-5MHz-16QAM-23095-1-0-Low-12000-26500--44.39-PASS



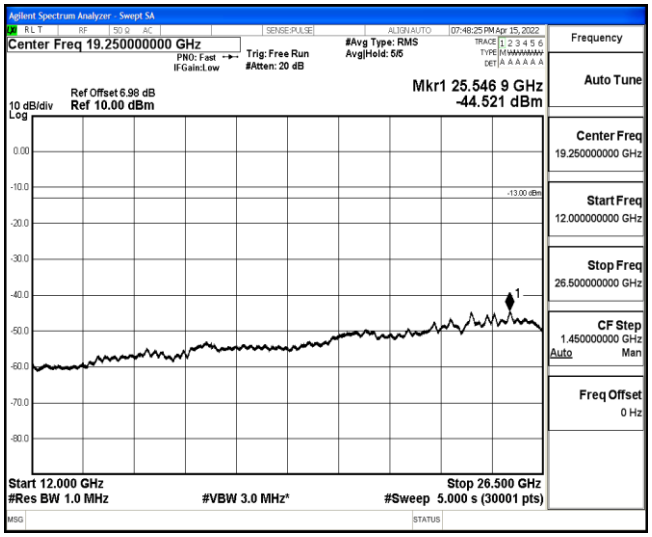
Band12-5MHz-16QAM-23155-1-0-High-30-1000--37.55-PASS



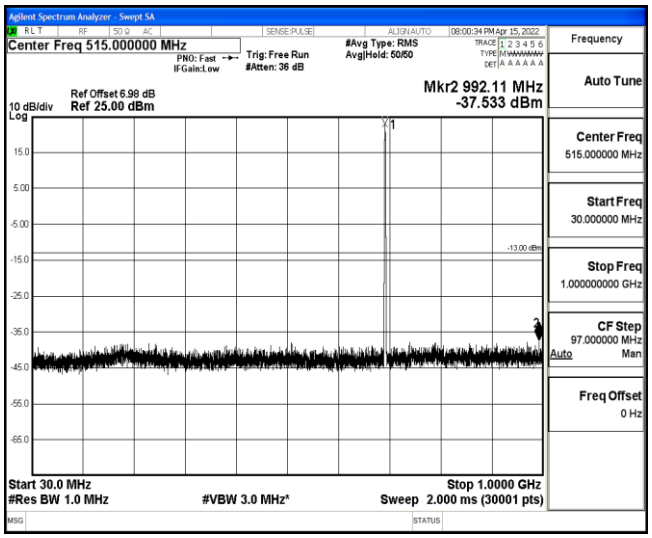
Band12-5MHz-16QAM-23155-1-0-High-1000-5000--43.53-PASS



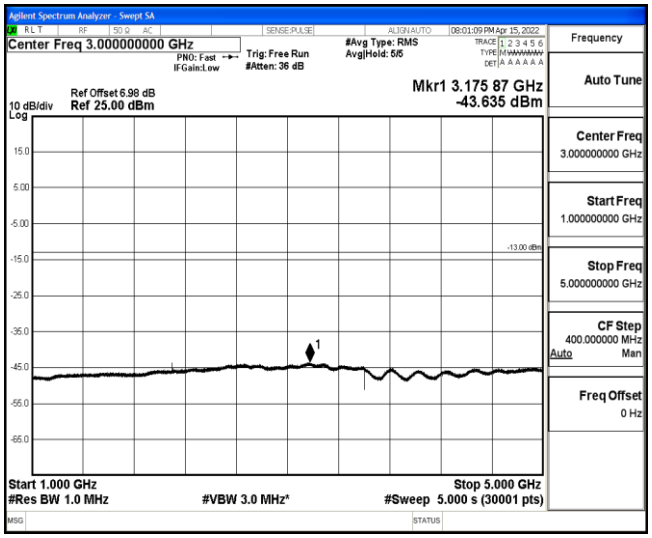
Band12-5MHz-16QAM-23155-1-0-High-5000-12000--59.16-PASS



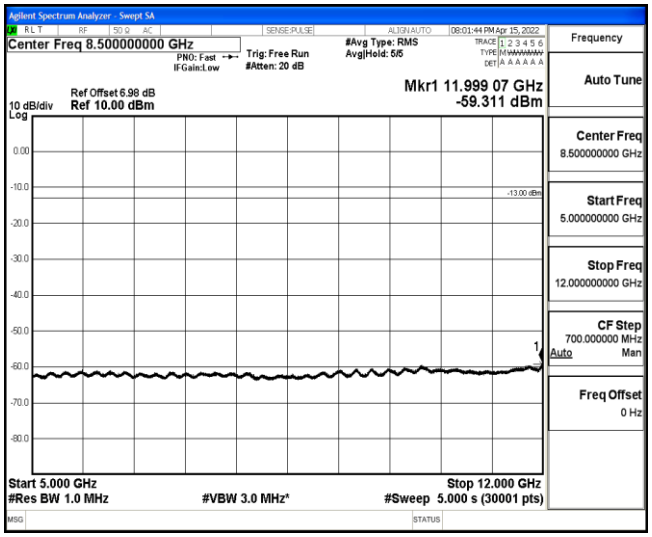
Band12-5MHz-16QAM-23155-1-0-High-12000-26500--44.52-PASS



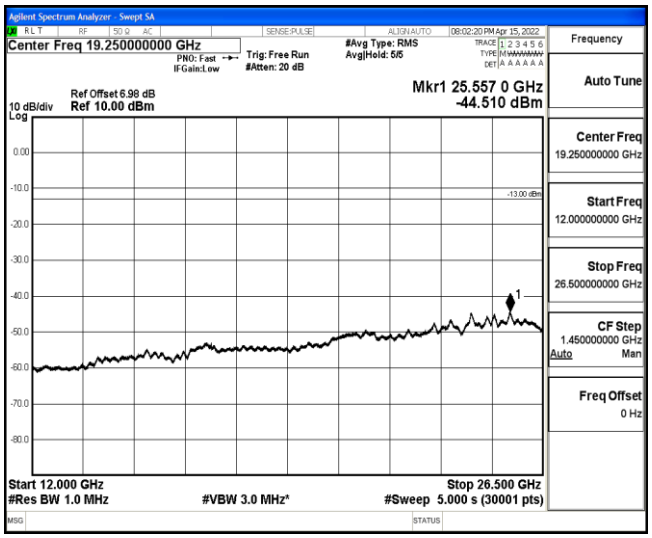
Band12-10MHz-QPSK-23060-1-0-Low-30-1000--37.53-PASS



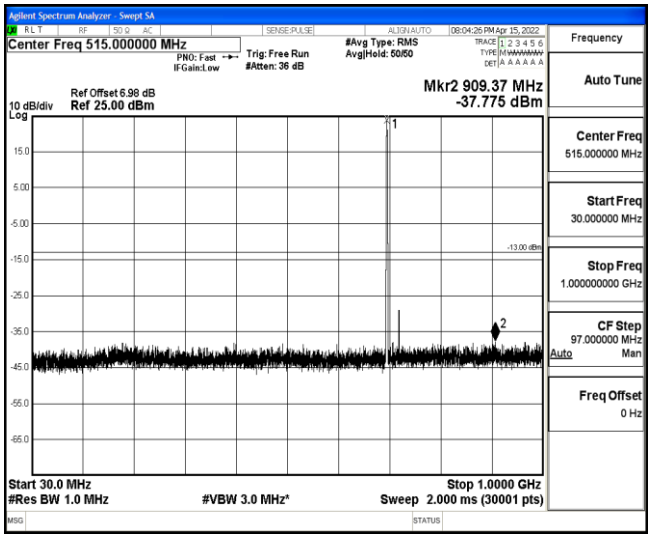
Band12-10MHz-QPSK-23060-1-0-Low-1000-5000--43.64-PASS



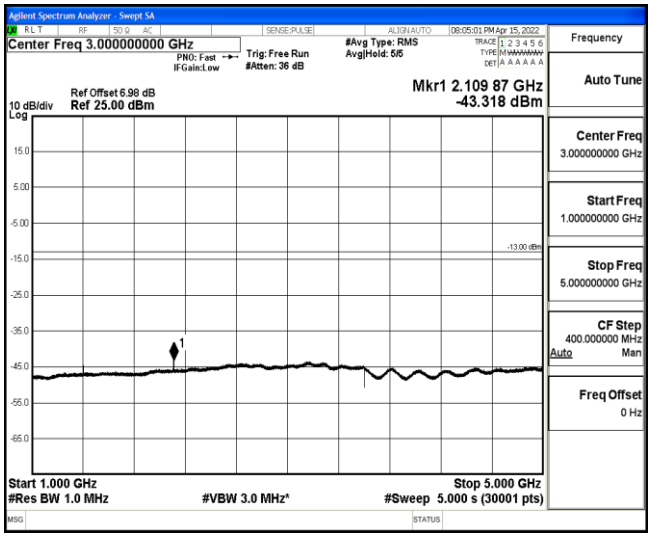
Band12-10MHz-QPSK-23060-1-0-Low-5000-12000--59.31-PASS



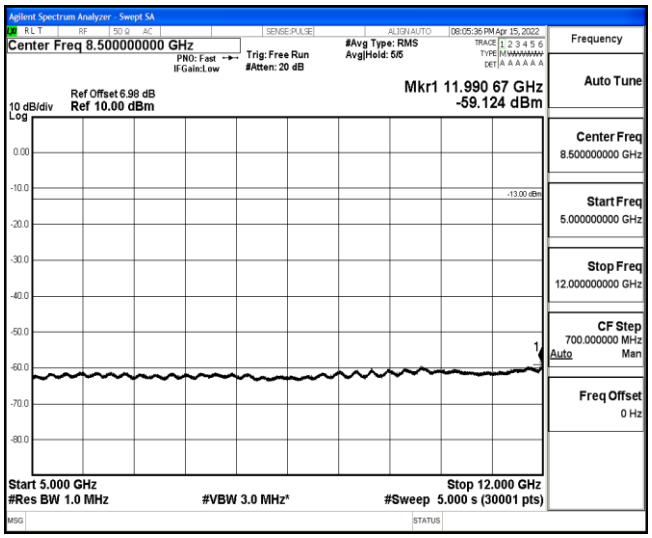
Band12-10MHz-QPSK-23060-1-0-Low-12000-26500--44.51-PASS



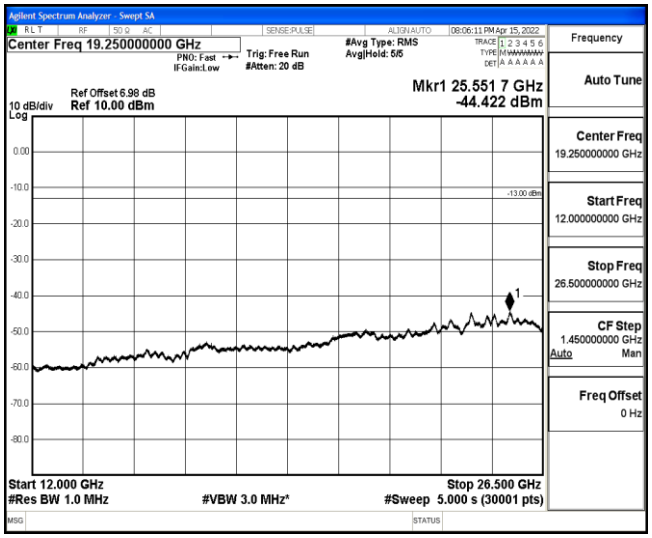
Band12-10MHz-QPSK-23095-1-0-Low-30-1000--37.78-PASS



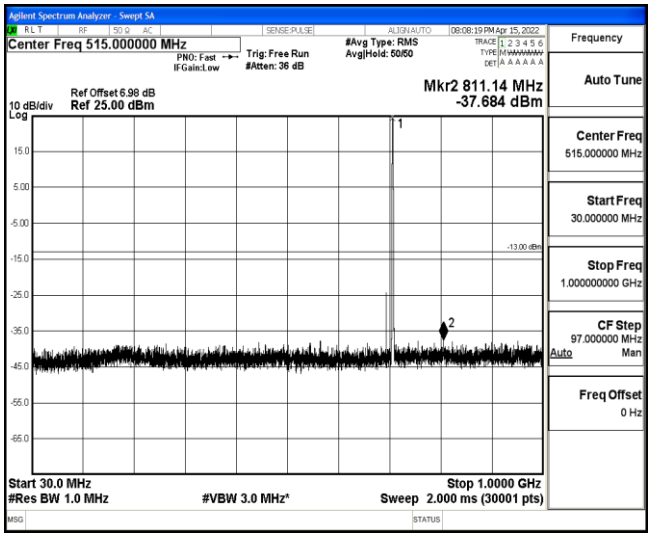
Band12-10MHz-QPSK-23095-1-0-Low-1000-5000--43.32-PASS



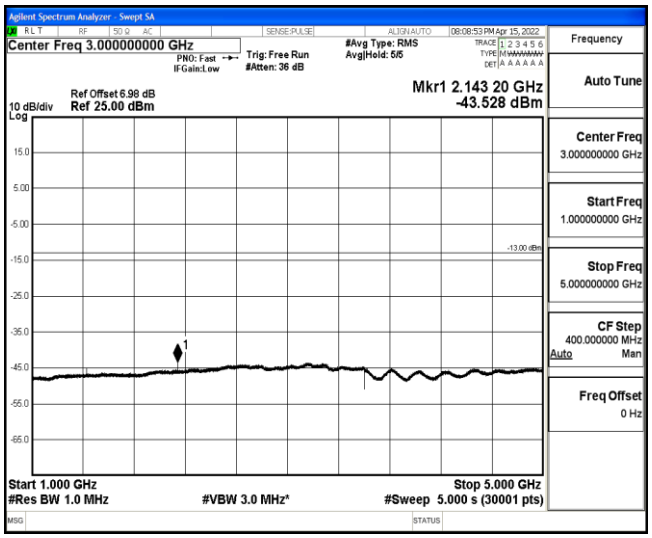
Band12-10MHz-QPSK-23095-1-0-Low-5000-12000--59.12-PASS



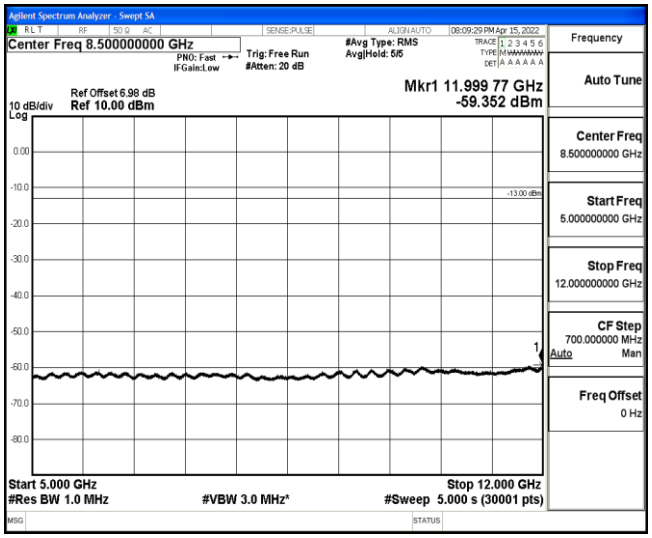
Band12-10MHz-QPSK-23095-1-0-Low-12000-26500--44.42-PASS



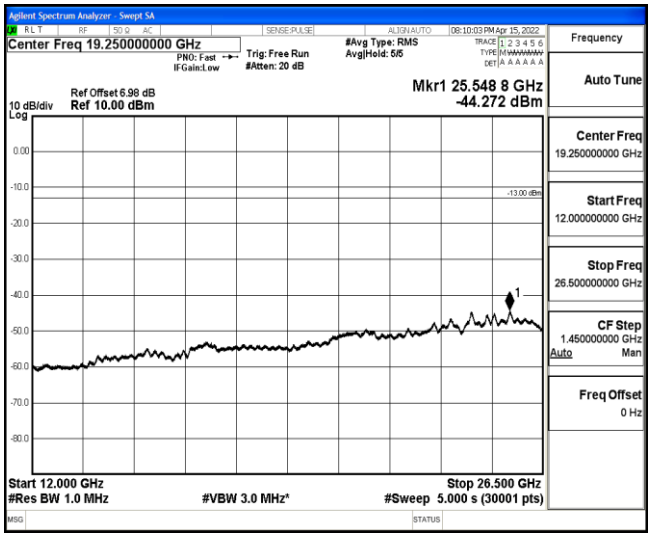
Band12-10MHz-QPSK-23130-1-0-High-30-1000--37.68-PASS



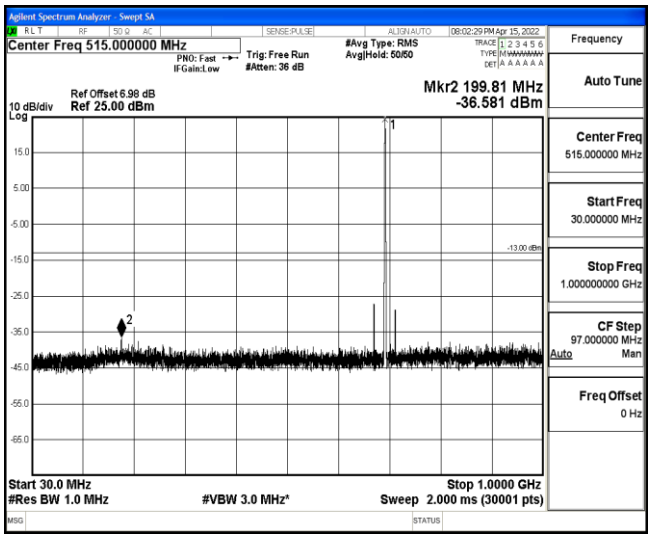
Band12-10MHz-QPSK-23130-1-0-High-1000-5000--43.53-PASS



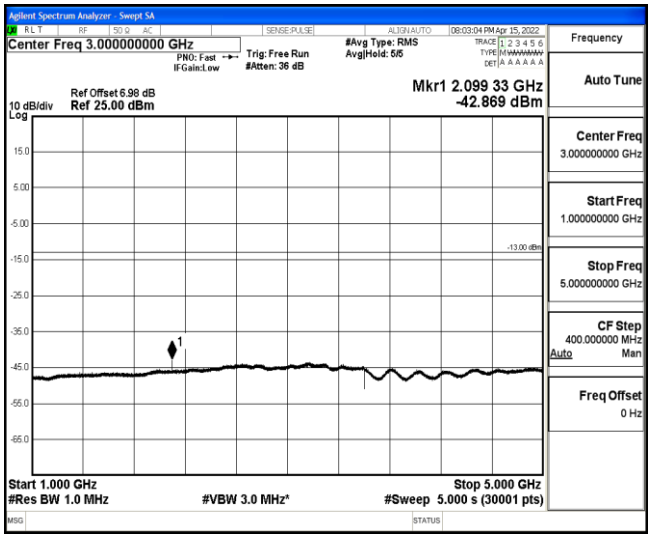
Band12-10MHz-QPSK-23130-1-0-High-5000-12000--59.35-PASS



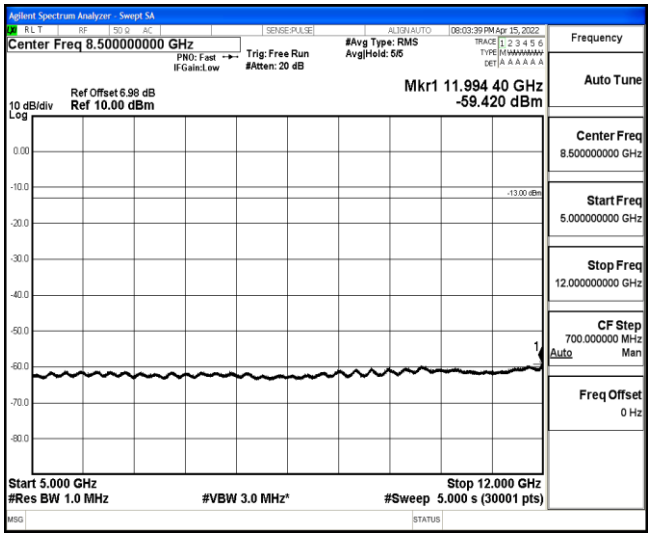
Band12-10MHz-QPSK-23130-1-0-High-12000-26500--44.27-PASS



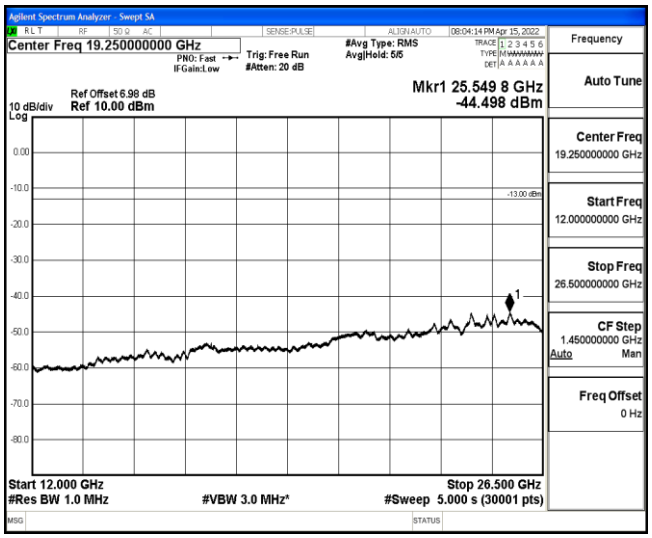
Band12-10MHz-16QAM-23060-1-0-Low-30-1000--36.58-PASS



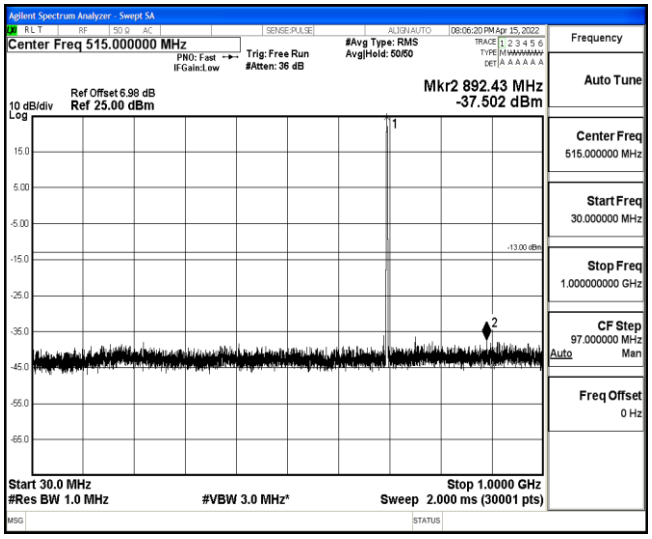
Band12-10MHz-16QAM-23060-1-0-Low-1000-5000--42.87-PASS



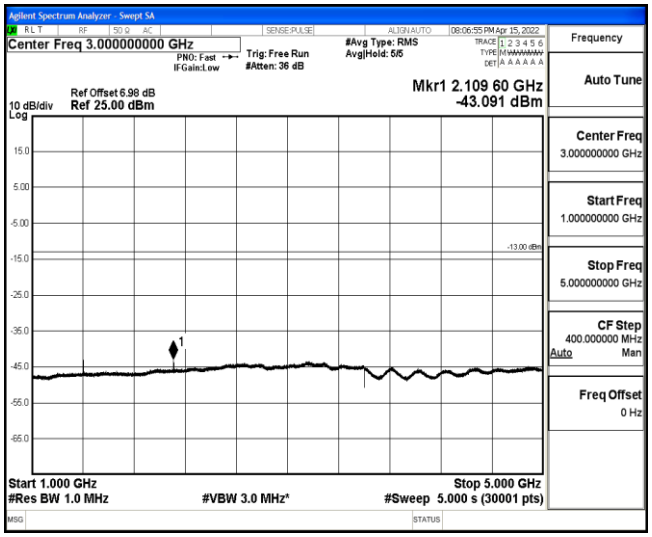
Band12-10MHz-16QAM-23060-1-0-Low-5000-12000--59.42-PASS



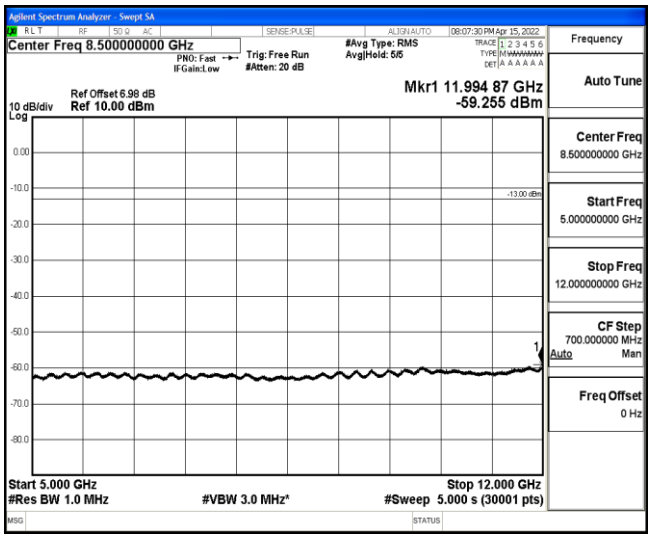
Band12-10MHz-16QAM-23060-1-0-Low-12000-26500--44.5-PASS



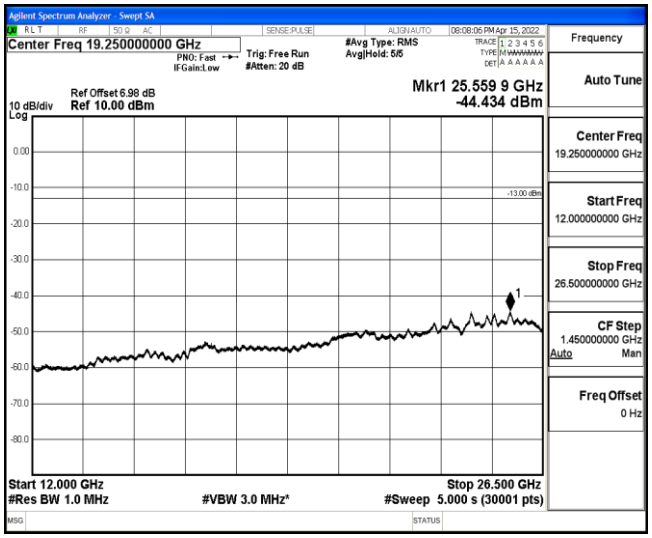
Band12-10MHz-16QAM-23095-1-0-Low-30-1000--37.5-PASS



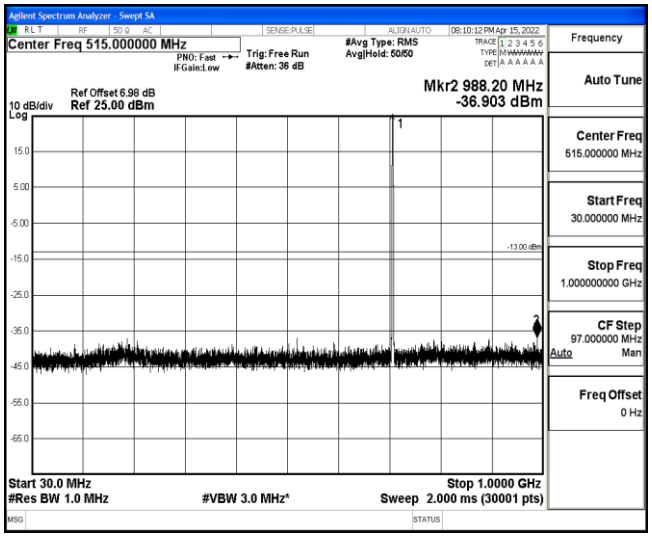
Band12-10MHz-16QAM-23095-1-0-Low-1000-5000--43.09-PASS



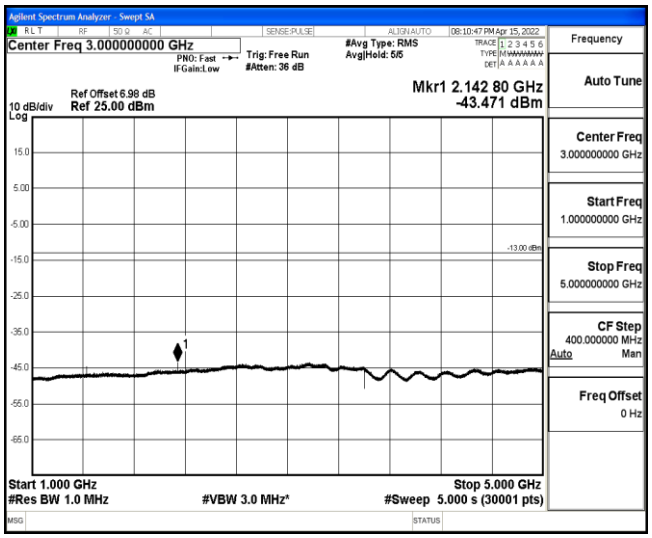
Band12-10MHz-16QAM-23095-1-0-Low-5000-12000--59.26-PASS



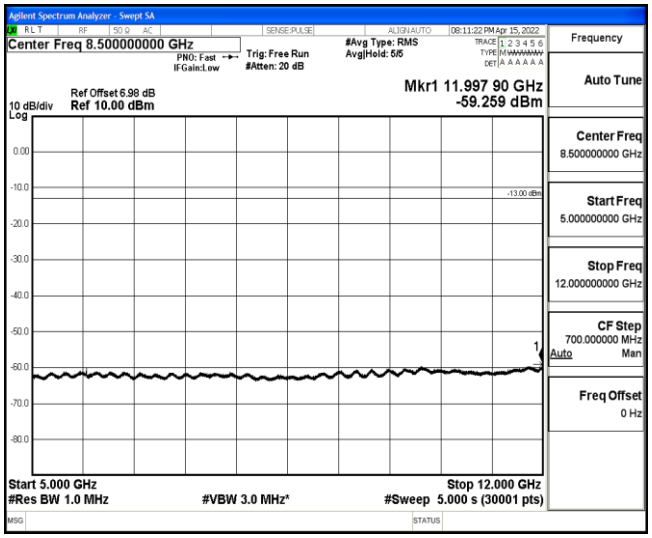
Band12-10MHz-16QAM-23095-1-0-Low-12000-26500--44.43-PASS



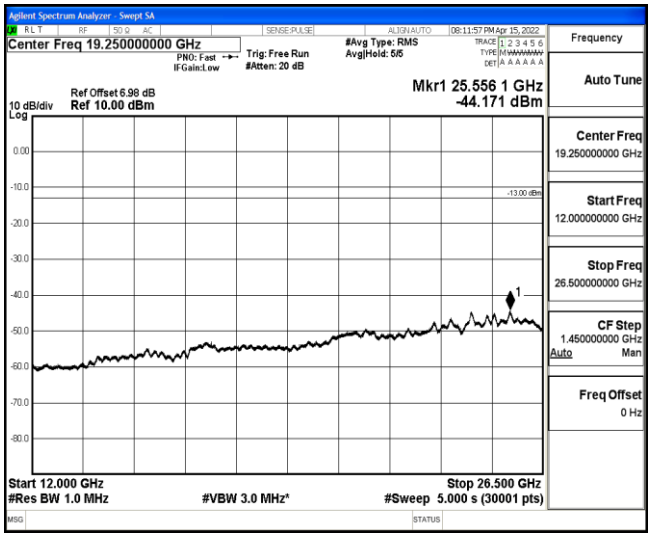
Band12-10MHz-16QAM-23130-1-0-High-30-1000--36.9-PASS



Band12-10MHz-16QAM-23130-1-0-High-1000-5000--43.47-PASS



Band12-10MHz-16QAM-23130-1-0-High-5000-12000--59.26-PASS



Band12-10MHz-16QAM-23130-1-0-High-12000-26500--44.17-PASS

Appendix F: Frequency Stability for M1

Test Result

		Voltage										
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	23017	QPSK	6	0	Low	VL	NT	-4.89	-0.006989	±2.5	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	VH	NT	-4.88	-0.006974	±2.5	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	VN	NT	-6.11	-0.008732	±2.5	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	VH	NT	-7.26	-0.010261	±2.5	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	VN	NT	-6.12	-0.008650	±2.5	PASS
Band12	1.4MHz	23095	QPSK	6	0	Low	VL	NT	-5.62	-0.007943	±2.5	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	VH	NT	-6.42	-0.008975	±2.5	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	VL	NT	-7.31	-0.010219	±2.5	PASS
Band12	1.4MHz	23173	QPSK	6	0	High	VN	NT	-7.68	-0.010737	±2.5	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	VN	NT	-6.14	-0.008775	±2.5	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	VL	NT	-7.47	-0.010676	±2.5	PASS
Band12	1.4MHz	23017	16QAM	6	0	Low	VH	NT	-7.07	-0.010104	±2.5	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	VH	NT	-8.76	-0.012382	±2.5	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	VN	NT	-4.31	-0.006092	±2.5	PASS
Band12	1.4MHz	23095	16QAM	6	0	Low	VL	NT	-6.96	-0.009837	±2.5	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	VN	NT	-6.32	-0.008835	±2.5	PASS
Band12	1.4MHz	23173	16QAM	6	0	High	VL	NT	-5.63	-0.007871	±2.5	PASS

Band12	1.4MHz	23173	16QAM	6	0	High	VH	NT	-7.31	-0.010219	±2.5	PASS
Band12	3MHz	23025	QPSK	6	0	Low	VH	NT	-4.20	-0.005996	±2.5	PASS
Band12	3MHz	23025	QPSK	6	0	Low	VN	NT	-2.81	-0.004011	±2.5	PASS
Band12	3MHz	23025	QPSK	6	0	Low	VL	NT	3.83	0.005468	±2.5	PASS
Band12	3MHz	23095	QPSK	6	0	Low	VH	NT	-5.97	-0.008438	±2.5	PASS
Band12	3MHz	23095	QPSK	6	0	Low	VN	NT	-6.19	-0.008749	±2.5	PASS
Band12	3MHz	23095	QPSK	6	0	Low	VL	NT	-5.12	-0.007237	±2.5	PASS
Band12	3MHz	23165	QPSK	6	0	High	VH	NT	5.68	0.007950	±2.5	PASS
Band12	3MHz	23165	QPSK	6	0	High	VL	NT	-3.61	-0.005052	±2.5	PASS
Band12	3MHz	23165	QPSK	6	0	High	VN	NT	3.15	0.004409	±2.5	PASS
Band12	3MHz	23025	16QAM	6	0	Low	VN	NT	4.10	0.005853	±2.5	PASS
Band12	3MHz	23025	16QAM	6	0	Low	VL	NT	-3.46	-0.004939	±2.5	PASS
Band12	3MHz	23025	16QAM	6	0	Low	VH	NT	4.02	0.005739	±2.5	PASS
Band12	3MHz	23095	16QAM	6	0	Low	VH	NT	-4.33	-0.006120	±2.5	PASS
Band12	3MHz	23095	16QAM	6	0	Low	VN	NT	-6.33	-0.008947	±2.5	PASS
Band12	3MHz	23095	16QAM	6	0	Low	VL	NT	-5.40	-0.007633	±2.5	PASS
Band12	3MHz	23165	16QAM	6	0	High	VL	NT	4.87	0.006816	±2.5	PASS
Band12	3MHz	23165	16QAM	6	0	High	VN	NT	5.37	0.007516	±2.5	PASS
Band12	3MHz	23165	16QAM	6	0	High	VH	NT	4.50	0.006298	±2.5	PASS
Band12	5MHz	23035	QPSK	6	0	Low	VL	NT	-4.30	-0.006130	±2.5	PASS
Band12	5MHz	23035	QPSK	6	0	Low	VH	NT	-4.61	-0.006572	±2.5	PASS
Band	5MH	2303	QPS	6	0	Lo	VN	NT	-4.90	-0.006	±2.	PA

d12	z	5	K			w				985	5	SS
Band12	5MHz	23095	QPSK	6	0	Low	VH	NT	-3.59	-0.005074	±2.5	PASS
Band12	5MHz	23095	QPSK	6	0	Low	VN	NT	-5.49	-0.007760	±2.5	PASS
Band12	5MHz	23095	QPSK	6	0	Low	VL	NT	-4.50	-0.006360	±2.5	PASS
Band12	5MHz	23155	QPSK	6	0	High	VH	NT	-8.07	-0.011310	±2.5	PASS
Band12	5MHz	23155	QPSK	6	0	High	VL	NT	-8.11	-0.011367	±2.5	PASS
Band12	5MHz	23155	QPSK	6	0	High	VN	NT	-7.54	-0.010568	±2.5	PASS
Band12	5MHz	23035	16QAM	6	0	Low	VN	NT	-3.88	-0.005531	±2.5	PASS
Band12	5MHz	23035	16QAM	6	0	Low	VL	NT	-5.69	-0.008111	±2.5	PASS
Band12	5MHz	23035	16QAM	6	0	Low	VH	NT	-3.95	-0.005631	±2.5	PASS
Band12	5MHz	23095	16QAM	6	0	Low	VH	NT	-5.97	-0.008438	±2.5	PASS
Band12	5MHz	23095	16QAM	6	0	Low	VN	NT	-5.37	-0.007590	±2.5	PASS
Band12	5MHz	23095	16QAM	6	0	Low	VL	NT	-5.37	-0.007590	±2.5	PASS
Band12	5MHz	23155	16QAM	6	0	High	VH	NT	-7.62	-0.010680	±2.5	PASS
Band12	5MHz	23155	16QAM	6	0	High	VN	NT	-5.94	-0.008325	±2.5	PASS
Band12	5MHz	23155	16QAM	6	0	High	VL	NT	-7.47	-0.010470	±2.5	PASS
Band12	10MHz	23060	QPSK	6	0	Low	VH	NT	10.71	0.015213	±2.5	PASS
Band12	10MHz	23060	QPSK	6	0	Low	VN	NT	11.42	0.016222	±2.5	PASS
Band12	10MHz	23060	QPSK	6	0	Low	VL	NT	12.17	0.017287	±2.5	PASS
Band12	10MHz	23095	QPSK	6	0	Low	VH	NT	6.18	0.008735	±2.5	PASS
Band12	10MHz	23095	QPSK	6	0	Low	VN	NT	5.85	0.008269	±2.5	PASS
Band12	10MHz	23095	QPSK	6	0	Low	VL	NT	6.20	0.008763	±2.5	PASS

Band12	10MHz	23130	QPSK	6	0	High	VH	NT	7.61	0.010703	±2.5	PASS
Band12	10MHz	23130	QPSK	6	0	High	VL	NT	7.14	0.010042	±2.5	PASS
Band12	10MHz	23130	QPSK	6	0	High	VN	NT	6.02	0.008467	±2.5	PASS
Band12	10MHz	23060	16QAM	6	0	Low	VN	NT	11.18	0.015881	±2.5	PASS
Band12	10MHz	23060	16QAM	6	0	Low	VL	NT	12.09	0.017173	±2.5	PASS
Band12	10MHz	23060	16QAM	6	0	Low	VH	NT	10.25	0.014560	±2.5	PASS
Band12	10MHz	23095	16QAM	6	0	Low	VH	NT	6.39	0.009032	±2.5	PASS
Band12	10MHz	23095	16QAM	6	0	Low	VN	NT	7.42	0.010488	±2.5	PASS
Band12	10MHz	23095	16QAM	6	0	Low	VL	NT	5.80	0.008198	±2.5	PASS
Band12	10MHz	23130	16QAM	6	0	High	VH	NT	6.85	0.009634	±2.5	PASS
Band12	10MHz	23130	16QAM	6	0	High	VN	NT	6.26	0.008805	±2.5	PASS
Band12	10MHz	23130	16QAM	6	0	High	VL	NT	7.82	0.010999	±2.5	PASS

		Temperature										
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	23017	QPSK	6	0	Low	NV	50	-6.74	-0.009633	±2.5	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	NV	-30	-4.01	-0.005731	±2.5	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	NV	40	-7.20	-0.010290	±2.5	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	NV	30	-6.12	-0.008747	±2.5	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	NV	20	-5.11	-0.007303	±2.5	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	NV	10	-6.69	-0.009561	±2.5	PASS
Band12	1.4MHz	23017	QPSK	6	0	Low	NV	0	-5.99	-0.008561	±2.5	PASS

Band 12	1.4MHz	23017	QPSK	6	0	Low	NV	-10	-5.70	-0.008146	±2.5	PASS
Band 12	1.4MHz	23017	QPSK	6	0	Low	NV	-20	-7.40	-0.010576	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	-30	-6.40	-0.009046	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	-20	-8.47	-0.011972	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	40	-4.69	-0.006629	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	30	-6.81	-0.009625	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	20	-7.00	-0.009894	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	10	-6.50	-0.009187	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	0	-5.99	-0.008466	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	-10	-6.66	-0.009413	±2.5	PASS
Band 12	1.4MHz	23095	QPSK	6	0	Low	NV	50	-5.02	-0.007095	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	50	-4.95	-0.006920	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	-30	-7.68	-0.010737	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	-20	-6.40	-0.008947	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	-10	-6.50	-0.009087	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	0	-8.34	-0.011659	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	10	-6.70	-0.009367	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	20	-6.85	-0.009576	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	30	-4.78	-0.006683	±2.5	PASS
Band 12	1.4MHz	23173	QPSK	6	0	High	NV	40	-5.13	-0.007172	±2.5	PASS
Band 12	1.4MHz	23017	16QAM	6	0	Low	NV	50	-5.69	-0.008132	±2.5	PASS
Band	1.4M	2301	16Q	6	0	Lo	NV	-20	-6.99	-0.009	±2.	PA

12	Hz	7	AM			w				990	5	SS
Band 12	1.4MHz	23017	16QAM	6	0	Low	NV	-10	-6.94	-0.009919	±2.5	PASS
Band 12	1.4MHz	23017	16QAM	6	0	Low	NV	0	-7.00	-0.010004	±2.5	PASS
Band 12	1.4MHz	23017	16QAM	6	0	Low	NV	10	-5.23	-0.007475	±2.5	PASS
Band 12	1.4MHz	23017	16QAM	6	0	Low	NV	20	-7.48	-0.010690	±2.5	PASS
Band 12	1.4MHz	23017	16QAM	6	0	Low	NV	30	-6.76	-0.009661	±2.5	PASS
Band 12	1.4MHz	23017	16QAM	6	0	Low	NV	40	-8.01	-0.011448	±2.5	PASS
Band 12	1.4MHz	23017	16QAM	6	0	Low	NV	-30	-5.61	-0.008018	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	-20	-6.74	-0.009527	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	40	-5.61	-0.007929	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	30	-6.10	-0.008622	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	20	-6.90	-0.009753	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	10	-7.50	-0.010601	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	-30	-4.90	-0.006926	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	-10	-6.65	-0.009399	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	50	-8.03	-0.011350	±2.5	PASS
Band 12	1.4MHz	23095	16QAM	6	0	Low	NV	0	-5.87	-0.008297	±2.5	PASS
Band 12	1.4MHz	23173	16QAM	6	0	High	NV	-20	-6.52	-0.009115	±2.5	PASS
Band 12	1.4MHz	23173	16QAM	6	0	High	NV	40	-7.39	-0.010331	±2.5	PASS
Band 12	1.4MHz	23173	16QAM	6	0	High	NV	30	-6.78	-0.009479	±2.5	PASS
Band 12	1.4MHz	23173	16QAM	6	0	High	NV	20	-6.63	-0.009269	±2.5	PASS
Band 12	1.4MHz	23173	16QAM	6	0	High	NV	10	-7.33	-0.010247	±2.5	PASS

Band 12	1.4MHz	23173	16QAM	6	0	High	NV	-10	-6.28	-0.008780	±2.5	PASS
Band 12	1.4MHz	23173	16QAM	6	0	High	NV	-30	-5.00	-0.006990	±2.5	PASS
Band 12	1.4MHz	23173	16QAM	6	0	High	NV	50	-7.25	-0.010136	±2.5	PASS
Band 12	1.4MHz	23173	16QAM	6	0	High	NV	0	-6.26	-0.008752	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	20	-3.57	-0.005096	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	50	-3.40	-0.004854	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	40	-3.56	-0.005082	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	30	-2.92	-0.004168	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	0	5.19	0.007409	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	-10	-2.86	-0.004083	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	-20	-4.35	-0.006210	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	-30	-3.90	-0.005567	±2.5	PASS
Band 12	3MHz	23025	QPSK	6	0	Low	NV	10	3.94	0.005625	±2.5	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	NV	-20	-5.57	-0.007873	±2.5	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	NV	50	-5.82	-0.008226	±2.5	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	NV	40	-6.61	-0.009343	±2.5	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	NV	30	-6.50	-0.009187	±2.5	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	NV	20	-5.51	-0.007788	±2.5	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	NV	10	-4.60	-0.006502	±2.5	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	NV	-10	-6.48	-0.009159	±2.5	PASS
Band 12	3MHz	23095	QPSK	6	0	Low	NV	-30	-5.75	-0.008127	±2.5	PASS
Band	3MH	2309	QPS	6	0	Lo	NV	0	-5.66	-0.008	±2.	PA

12	z	5	K			w				000	5	SS
Band 12	3MHz	23165	QPSK	6	0	High	NV	40	4.10	0.005738	±2.5	PASS
Band 12	3MHz	23165	QPSK	6	0	High	NV	-20	5.64	0.007894	±2.5	PASS
Band 12	3MHz	23165	QPSK	6	0	High	NV	-10	5.52	0.007726	±2.5	PASS
Band 12	3MHz	23165	QPSK	6	0	High	NV	0	5.25	0.007348	±2.5	PASS
Band 12	3MHz	23165	QPSK	6	0	High	NV	-30	5.67	0.007936	±2.5	PASS
Band 12	3MHz	23165	QPSK	6	0	High	NV	10	6.24	0.008733	±2.5	PASS
Band 12	3MHz	23165	QPSK	6	0	High	NV	20	6.00	0.008397	±2.5	PASS
Band 12	3MHz	23165	QPSK	6	0	High	NV	50	5.42	0.007586	±2.5	PASS
Band 12	3MHz	23165	QPSK	6	0	High	NV	30	5.97	0.008355	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	-20	-2.69	-0.003840	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	50	-2.81	-0.004011	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	-10	4.36	0.006224	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	0	-2.86	-0.004083	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	10	3.47	0.004954	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	20	-3.76	-0.005368	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	30	-4.24	-0.006053	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	40	-3.97	-0.005667	±2.5	PASS
Band 12	3MHz	23025	16QAM	6	0	Low	NV	-30	-3.18	-0.004540	±2.5	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	NV	-20	-4.99	-0.007053	±2.5	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	NV	40	-6.54	-0.009244	±2.5	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	NV	30	-7.18	-0.010148	±2.5	PASS

Band 12	3MHz	23095	16QAM	6	0	Low	NV	20	-6.74	-0.009527	±2.5	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	NV	10	-5.71	-0.008071	±2.5	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	NV	-10	-6.04	-0.008537	±2.5	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	NV	-30	-5.08	-0.007180	±2.5	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	NV	50	-6.01	-0.008495	±2.5	PASS
Band 12	3MHz	23095	16QAM	6	0	Low	NV	0	-4.85	-0.006855	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	40	6.65	0.009307	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	50	5.48	0.007670	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	30	5.62	0.007866	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	20	5.05	0.007068	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	10	4.80	0.006718	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	0	3.94	0.005514	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	-10	4.87	0.006816	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	-30	4.85	0.006788	±2.5	PASS
Band 12	3MHz	23165	16QAM	6	0	High	NV	-20	6.26	0.008761	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	50	-5.78	-0.008239	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	-30	-4.39	-0.006258	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	40	-3.89	-0.005545	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	30	-3.53	-0.005032	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	20	-3.27	-0.004661	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	10	-5.39	-0.007684	±2.5	PASS
Band	5MH	2303	QPS	6	0	Lo	NV	0	-5.88	-0.008	±2.	PA

12	z	5	K			w				382	5	SS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	-10	-5.13	-0.007313	±2.5	PASS
Band 12	5MHz	23035	QPSK	6	0	Low	NV	-20	-5.38	-0.007669	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	-30	-3.99	-0.005640	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	-20	-4.69	-0.006629	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	40	-5.42	-0.007661	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	30	-5.78	-0.008170	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	20	-4.04	-0.005710	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	10	-4.42	-0.006247	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	0	-4.83	-0.006827	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	-10	-3.67	-0.005187	±2.5	PASS
Band 12	5MHz	23095	QPSK	6	0	Low	NV	50	-4.99	-0.007053	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	50	-8.26	-0.011577	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	-30	-6.43	-0.009012	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	-20	-6.37	-0.008928	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	-10	-6.35	-0.008900	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	0	-8.00	-0.011212	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	10	-8.06	-0.011296	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	20	-4.77	-0.006685	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	30	-6.83	-0.009573	±2.5	PASS
Band 12	5MHz	23155	QPSK	6	0	High	NV	40	-7.95	-0.011142	±2.5	PASS
Band 12	5MHz	23035	16QAM	6	0	Low	NV	50	-6.14	-0.008753	±2.5	PASS

Band 12	5MHz	23035	16QAM	6	0	Low	NV	-20	-3.49	-0.004975	±2.5	PASS
Band 12	5MHz	23035	16QAM	6	0	Low	NV	-10	-3.54	-0.005046	±2.5	PASS
Band 12	5MHz	23035	16QAM	6	0	Low	NV	0	-2.33	-0.003321	±2.5	PASS
Band 12	5MHz	23035	16QAM	6	0	Low	NV	10	-4.53	-0.006458	±2.5	PASS
Band 12	5MHz	23035	16QAM	6	0	Low	NV	20	-5.22	-0.007441	±2.5	PASS
Band 12	5MHz	23035	16QAM	6	0	Low	NV	30	-3.92	-0.005588	±2.5	PASS
Band 12	5MHz	23035	16QAM	6	0	Low	NV	40	-4.43	-0.006315	±2.5	PASS
Band 12	5MHz	23035	16QAM	6	0	Low	NV	-30	-5.95	-0.008482	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	-20	-3.55	-0.005018	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	40	-3.85	-0.005442	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	30	-5.20	-0.007350	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	20	-5.98	-0.008452	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	10	-4.78	-0.006756	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	-30	-5.99	-0.008466	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	-10	-4.26	-0.006021	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	50	-6.20	-0.008763	±2.5	PASS
Band 12	5MHz	23095	16QAM	6	0	Low	NV	0	-4.48	-0.006332	±2.5	PASS
Band 12	5MHz	23155	16QAM	6	0	High	NV	-20	-8.05	-0.011282	±2.5	PASS
Band 12	5MHz	23155	16QAM	6	0	High	NV	40	-7.27	-0.010189	±2.5	PASS
Band 12	5MHz	23155	16QAM	6	0	High	NV	30	-7.59	-0.010638	±2.5	PASS
Band 12	5MHz	23155	16QAM	6	0	High	NV	20	-7.55	-0.010582	±2.5	PASS
Band	5MH	2315	16Q	6	0	Hi	NV	10	-6.86	-0.009	±2.	PA

12	z	5	AM			gh				615	5	SS
Band 12	5MHz	23155	16QAM	6	0	High	NV	-10	-7.36	-0.010315	±2.5	PASS
Band 12	5MHz	23155	16QAM	6	0	High	NV	-30	-8.38	-0.011745	±2.5	PASS
Band 12	5MHz	23155	16QAM	6	0	High	NV	50	-6.16	-0.008633	±2.5	PASS
Band 12	5MHz	23155	16QAM	6	0	High	NV	0	-4.90	-0.006868	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	50	10.41	0.014787	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	40	11.82	0.016790	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	20	10.70	0.015199	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	30	12.62	0.017926	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	0	11.15	0.015838	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	-10	11.68	0.016591	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	-30	9.06	0.012869	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	-20	11.43	0.016236	±2.5	PASS
Band 12	10MHz	23060	QPSK	6	0	Low	NV	10	11.25	0.015980	±2.5	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	NV	-20	6.45	0.009117	±2.5	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	NV	50	5.50	0.007774	±2.5	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	NV	40	6.04	0.008537	±2.5	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	NV	30	6.25	0.008834	±2.5	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	NV	20	6.56	0.009272	±2.5	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	NV	10	6.81	0.009625	±2.5	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	NV	-10	6.75	0.009541	±2.5	PASS
Band 12	10MHz	23095	QPSK	6	0	Low	NV	-30	5.63	0.007958	±2.5	PASS

Band 12	10MHz	23095	QPSK	6	0	Low	NV	0	6.83	0.009654	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	40	5.41	0.007609	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	-20	6.28	0.008833	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	-10	7.23	0.010169	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	0	5.67	0.007975	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	-30	7.18	0.010098	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	10	7.30	0.010267	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	20	5.84	0.008214	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	50	6.80	0.009564	±2.5	PASS
Band 12	10MHz	23130	QPSK	6	0	High	NV	30	5.56	0.007820	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	-20	10.90	0.015483	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	50	10.98	0.015597	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	-10	11.15	0.015838	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	0	10.79	0.015327	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	10	10.49	0.014901	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	20	9.95	0.014134	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	30	9.84	0.013977	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	40	10.08	0.014318	±2.5	PASS
Band 12	10MHz	23060	16QAM	6	0	Low	NV	-30	10.37	0.014730	±2.5	PASS
Band 12	10MHz	23095	16QAM	6	0	Low	NV	-20	5.15	0.007279	±2.5	PASS
Band 12	10MHz	23095	16QAM	6	0	Low	NV	40	5.47	0.007731	±2.5	PASS
Band	10M	2309	16Q	6	0	Lo	NV	30	5.65	0.0079	±2.	PA

12	Hz	5	AM			w				86	5	SS
Band 12	10MHz	23095	16QAM	6	0	Low	NV	20	5.75	0.008127	±2.5	PASS
Band 12	10MHz	23095	16QAM	6	0	Low	NV	10	6.95	0.009823	±2.5	PASS
Band 12	10MHz	23095	16QAM	6	0	Low	NV	-10	4.76	0.006728	±2.5	PASS
Band 12	10MHz	23095	16QAM	6	0	Low	NV	-30	5.47	0.007731	±2.5	PASS
Band 12	10MHz	23095	16QAM	6	0	Low	NV	50	5.76	0.008141	±2.5	PASS
Band 12	10MHz	23095	16QAM	6	0	Low	NV	0	6.32	0.008933	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	50	4.30	0.006048	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	40	5.29	0.007440	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	30	4.45	0.006259	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	20	7.02	0.009873	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	10	6.66	0.009367	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	0	5.96	0.008383	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	-10	6.88	0.009677	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	-30	6.17	0.008678	±2.5	PASS
Band 12	10MHz	23130	16QAM	6	0	High	NV	-20	7.03	0.009887	±2.5	PASS