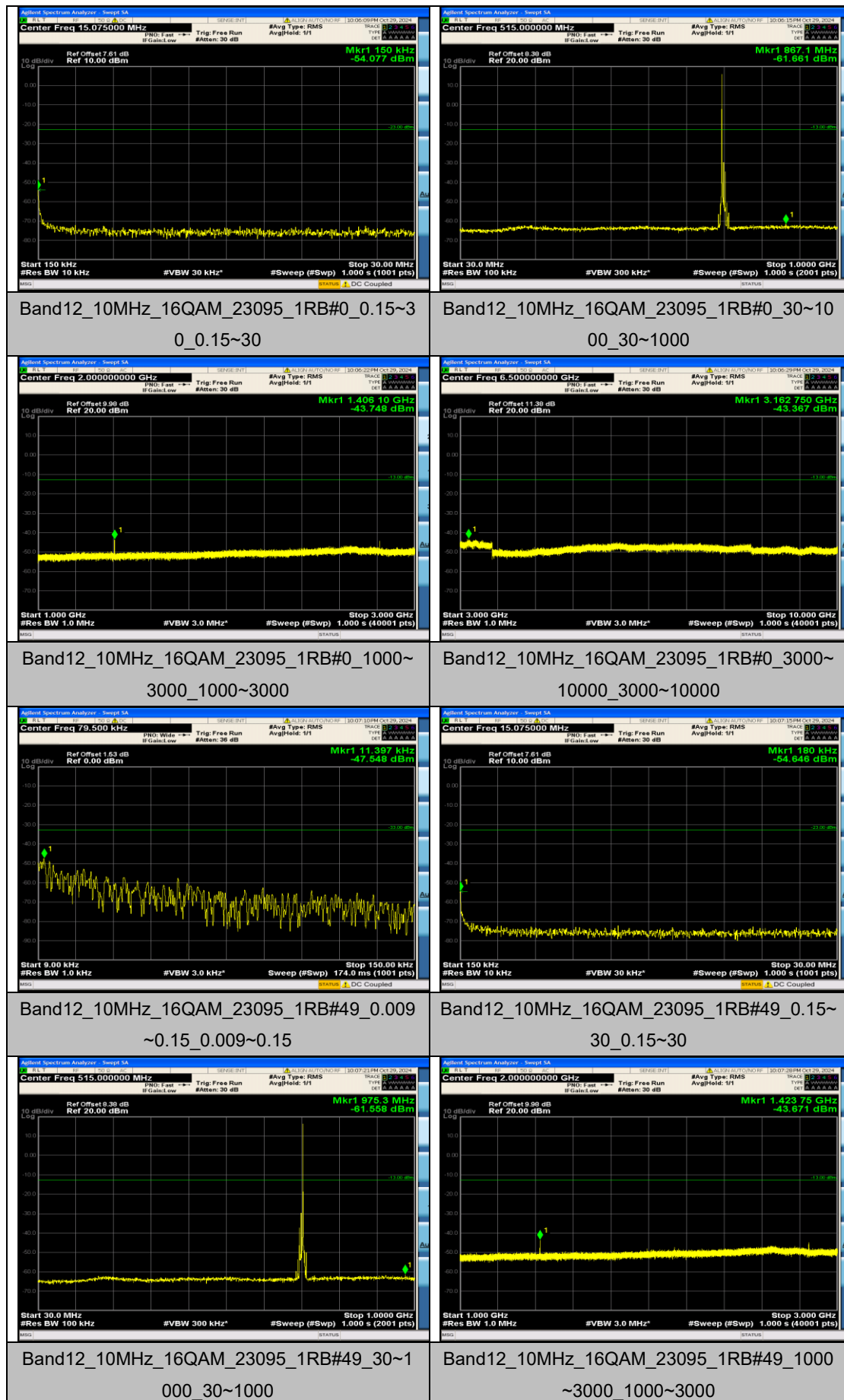
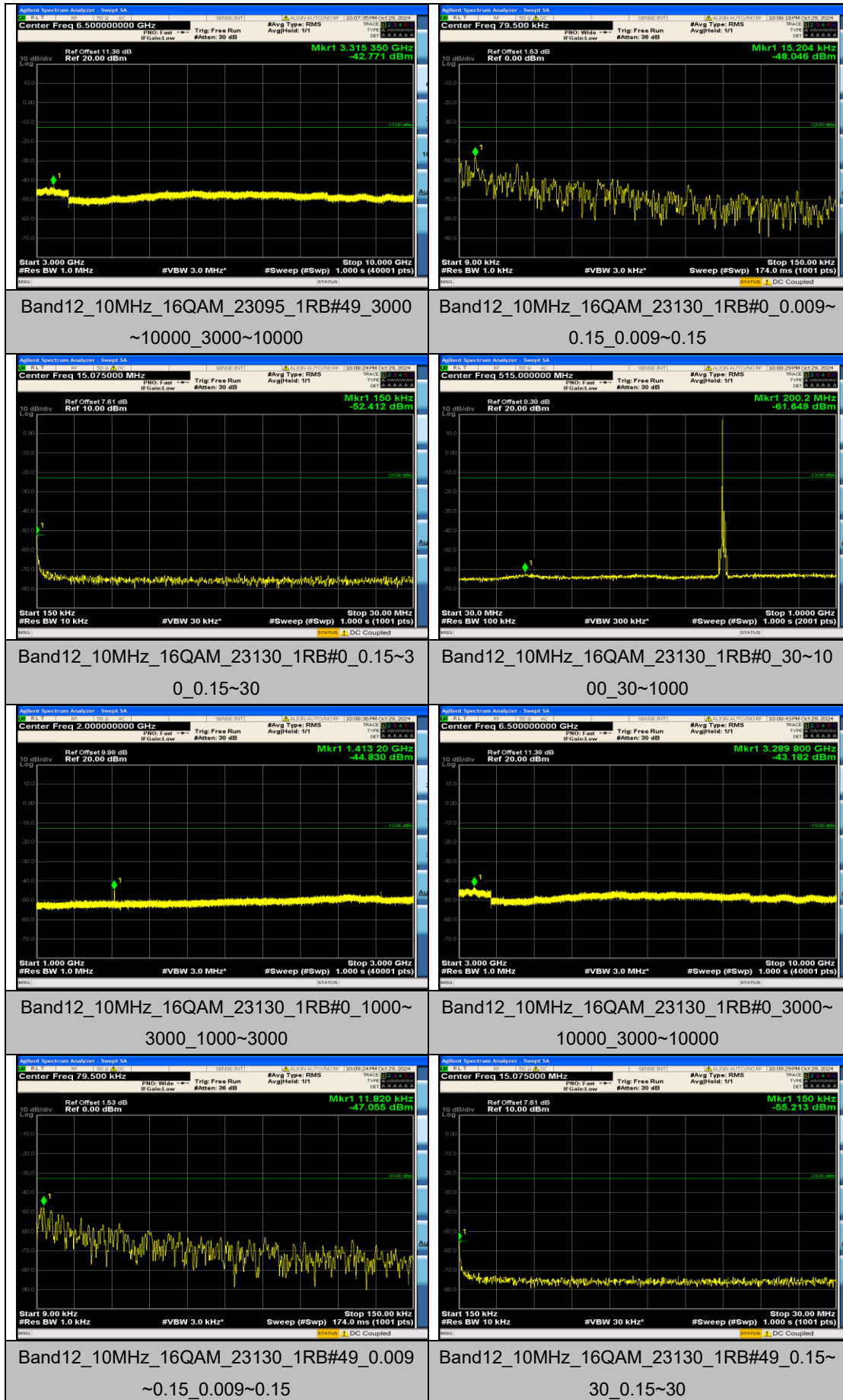
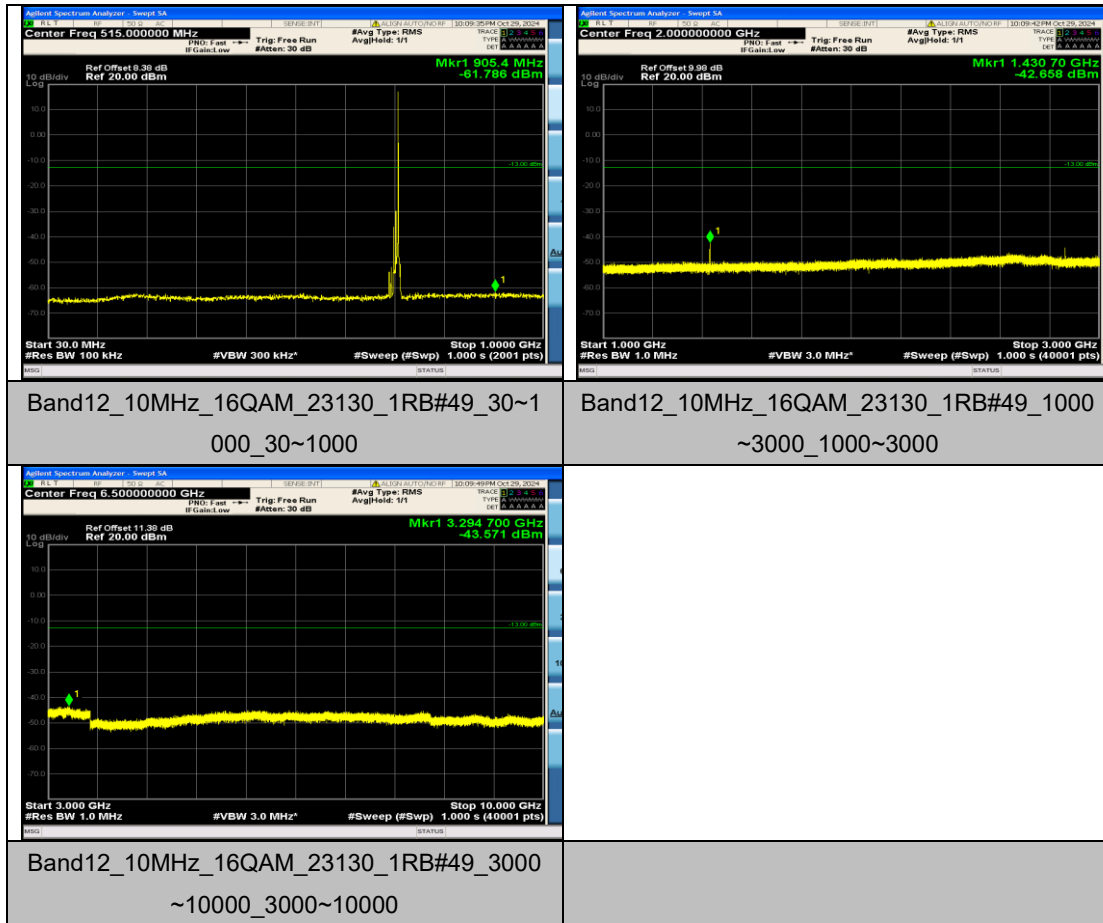








Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-4.12	-0.005888	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-4.84	-0.006917	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	-4.16	-0.005945	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-3.19	-0.004559	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-3.71	-0.005302	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-4.13	-0.005903	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	2.47	0.003530	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	-3.50	-0.005002	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	-4.48	-0.006403	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-2.83	-0.004000	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-2.65	-0.003746	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	-3.03	-0.004283	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-2.49	-0.003519	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-3.32	-0.004693	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-1.79	-0.002530	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-2.69	-0.003802	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-2.93	-0.004141	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	-4.19	-0.005922	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-4.92	-0.006878	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-4.76	-0.006655	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	-5.78	-0.008081	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-5.92	-0.008276	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-3.49	-0.004879	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-3.48	-0.004865	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	-3.88	-0.005424	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	-4.25	-0.005942	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	-2.83	-0.003956	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-2.63	-0.003759	±2.5	PASS

Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-3.45	-0.004931	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	-3.83	-0.005474	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-4.78	-0.006831	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-3.42	-0.004888	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	1.30	0.001858	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-4.25	-0.006074	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	-2.99	-0.004273	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	-3.75	-0.005359	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-4.43	-0.006261	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	2.10	0.002968	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	-3.05	-0.004311	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	3.08	0.004353	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-3.36	-0.004749	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-2.09	-0.002954	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	-3.15	-0.004452	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	-3.16	-0.004466	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	-2.53	-0.003576	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	-3.33	-0.004655	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	-2.02	-0.002824	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	-2.92	-0.004082	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-1.99	-0.002782	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-2.99	-0.004180	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-2.55	-0.003565	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	-3.76	-0.005257	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	-3.50	-0.004893	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	-1.59	-0.002223	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-1.72	-0.002455	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	1.60	0.002284	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	-1.85	-0.002641	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	-1.82	-0.002598	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-1.77	-0.002527	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-1.27	-0.001813	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	-0.76	-0.001085	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	2.73	0.003897	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	1.52	0.002170	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	3.62	0.005117	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	2.46	0.003477	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	4.12	0.005823	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	2.02	0.002855	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	1.75	0.002473	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	1.59	0.002247	±2.5	PASS

Band12	3MHz	QPSK	23095	15RB#0	NV	30	3.73	0.005272	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	3.62	0.005117	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	2.15	0.003039	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	3.13	0.004381	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	4.16	0.005822	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	3.60	0.005038	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	3.36	0.004703	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	3.82	0.005346	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	4.01	0.005612	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	2.06	0.002883	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	3.46	0.004843	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	2.72	0.003807	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	1.66	0.002370	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	2.59	0.003697	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	1.89	0.002698	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	3.40	0.004854	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	2.92	0.004168	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	3.75	0.005353	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	2.43	0.003469	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	1.75	0.002498	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	-2.27	-0.003241	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	5.04	0.007124	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	2.99	0.004226	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	4.06	0.005739	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	4.92	0.006954	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	5.32	0.007519	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	4.56	0.006445	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	5.04	0.007124	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	3.89	0.005498	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	5.59	0.007901	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	3.08	0.004311	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	4.39	0.006144	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	4.32	0.006046	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	4.76	0.006662	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	5.87	0.008216	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	4.19	0.005864	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	4.99	0.006984	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	6.37	0.008915	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	4.96	0.006942	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	-1.69	-0.002409	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	2.96	0.004220	±2.5	PASS

Band12	5MHz	QPSK	23035	25RB#0	NV	-10	3.15	0.004490	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	3.46	0.004932	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	3.19	0.004547	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	4.25	0.006058	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	3.55	0.005061	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	3.66	0.005217	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	4.48	0.006386	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	1.75	0.002473	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-2.46	-0.003477	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	2.09	0.002954	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	2.92	0.004127	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	4.48	0.006332	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	2.06	0.002912	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	2.03	0.002869	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	2.35	0.003322	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	2.22	0.003138	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	4.05	0.005676	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	6.47	0.009068	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	3.65	0.005116	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	4.39	0.006153	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	3.53	0.004947	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	4.12	0.005774	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	4.11	0.005760	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	4.59	0.006433	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	2.63	0.003686	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	3.28	0.004676	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	4.68	0.006671	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	3.39	0.004833	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	2.95	0.004205	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	2.96	0.004220	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	4.49	0.006401	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	3.60	0.005132	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-1.76	-0.002509	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	1.47	0.002096	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	1.86	0.002629	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	2.73	0.003859	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-10	3.60	0.005088	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	3.20	0.004523	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	4.94	0.006982	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	4.22	0.005965	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	4.31	0.006092	±2.5	PASS

Band12	5MHz	16QAM	23095	25RB#0	NV	40	3.86	0.005456	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	6.58	0.009300	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	1.80	0.002523	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	-1.57	-0.002200	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	-2.42	-0.003392	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	1.60	0.002242	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	2.35	0.003294	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	2.73	0.003826	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	1.87	0.002621	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	-4.09	-0.005732	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	-1.54	-0.002158	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	2.52	0.003580	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	2.06	0.002926	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	1.70	0.002415	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	0.89	0.001264	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	-2.22	-0.003153	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	1.12	0.001591	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	1.23	0.001747	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	2.05	0.002912	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	1.12	0.001591	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	3.00	0.004240	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	2.06	0.002912	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	2.65	0.003746	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	2.12	0.002996	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	1.76	0.002488	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-1.72	-0.002431	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	2.26	0.003194	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-1.13	-0.001597	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-2.00	-0.002827	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-2.06	-0.002897	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-3.35	-0.004712	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-2.63	-0.003699	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-2.52	-0.003544	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	-3.28	-0.004613	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	-2.30	-0.003235	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-1.72	-0.002419	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-2.20	-0.003094	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-2.27	-0.003193	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	PASS
Band12	3MHz	QPSK	23025	15RB#0	PASS
Band12	3MHz	QPSK	23095	15RB#0	PASS
Band12	3MHz	QPSK	23165	15RB#0	PASS
Band12	3MHz	16QAM	23025	15RB#0	PASS
Band12	3MHz	16QAM	23095	15RB#0	PASS
Band12	3MHz	16QAM	23165	15RB#0	PASS
Band12	5MHz	QPSK	23035	25RB#0	PASS
Band12	5MHz	QPSK	23095	25RB#0	PASS
Band12	5MHz	QPSK	23155	25RB#0	PASS
Band12	5MHz	16QAM	23035	25RB#0	PASS
Band12	5MHz	16QAM	23095	25RB#0	PASS
Band12	5MHz	16QAM	23155	25RB#0	PASS
Band12	10MHz	QPSK	23060	50RB#0	PASS
Band12	10MHz	QPSK	23095	50RB#0	PASS
Band12	10MHz	QPSK	23130	50RB#0	PASS
Band12	10MHz	16QAM	23060	1RB#0	PASS
Band12	10MHz	16QAM	23095	1RB#0	PASS
Band12	10MHz	16QAM	23130	1RB#0	PASS

Test Graphs

