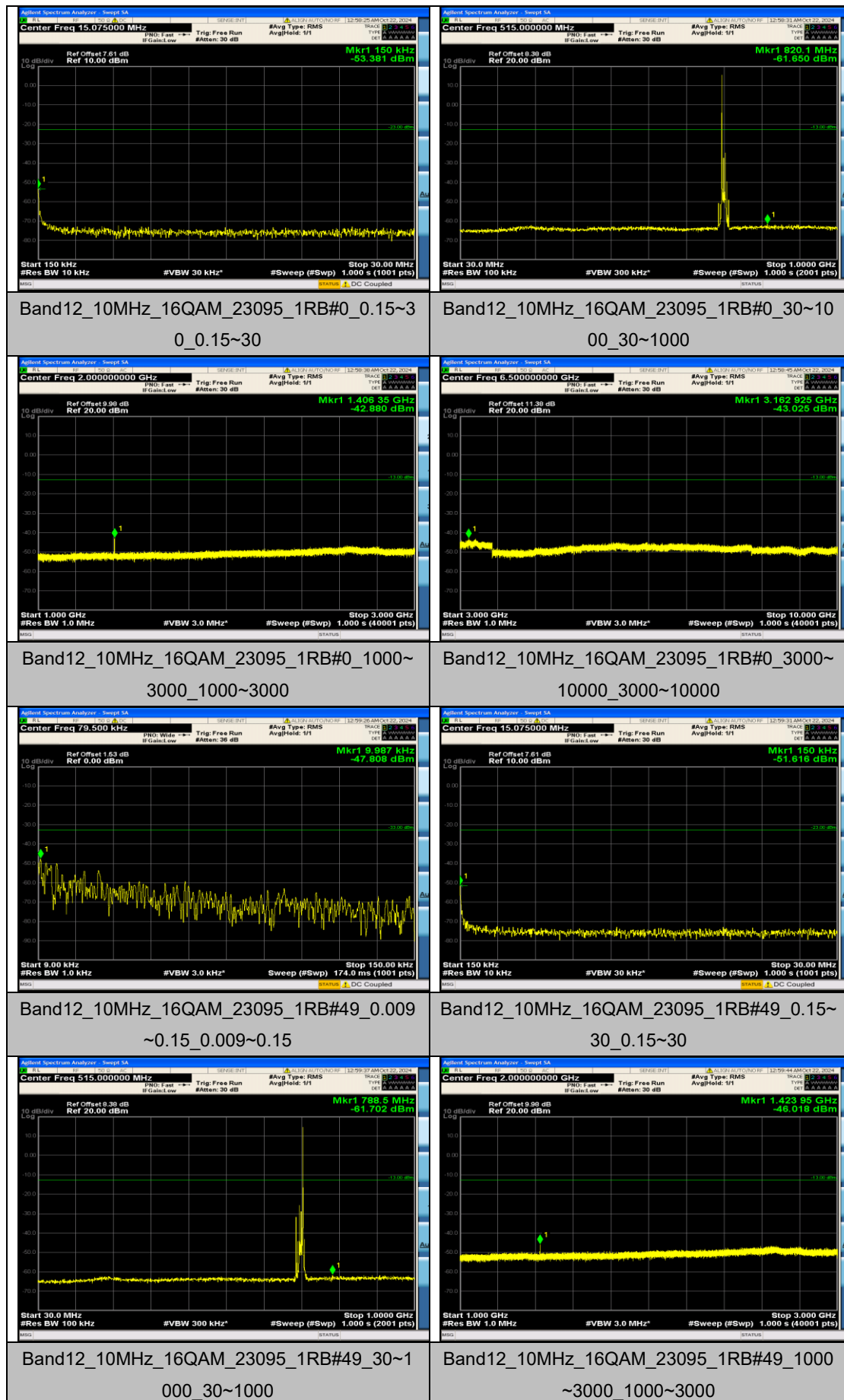
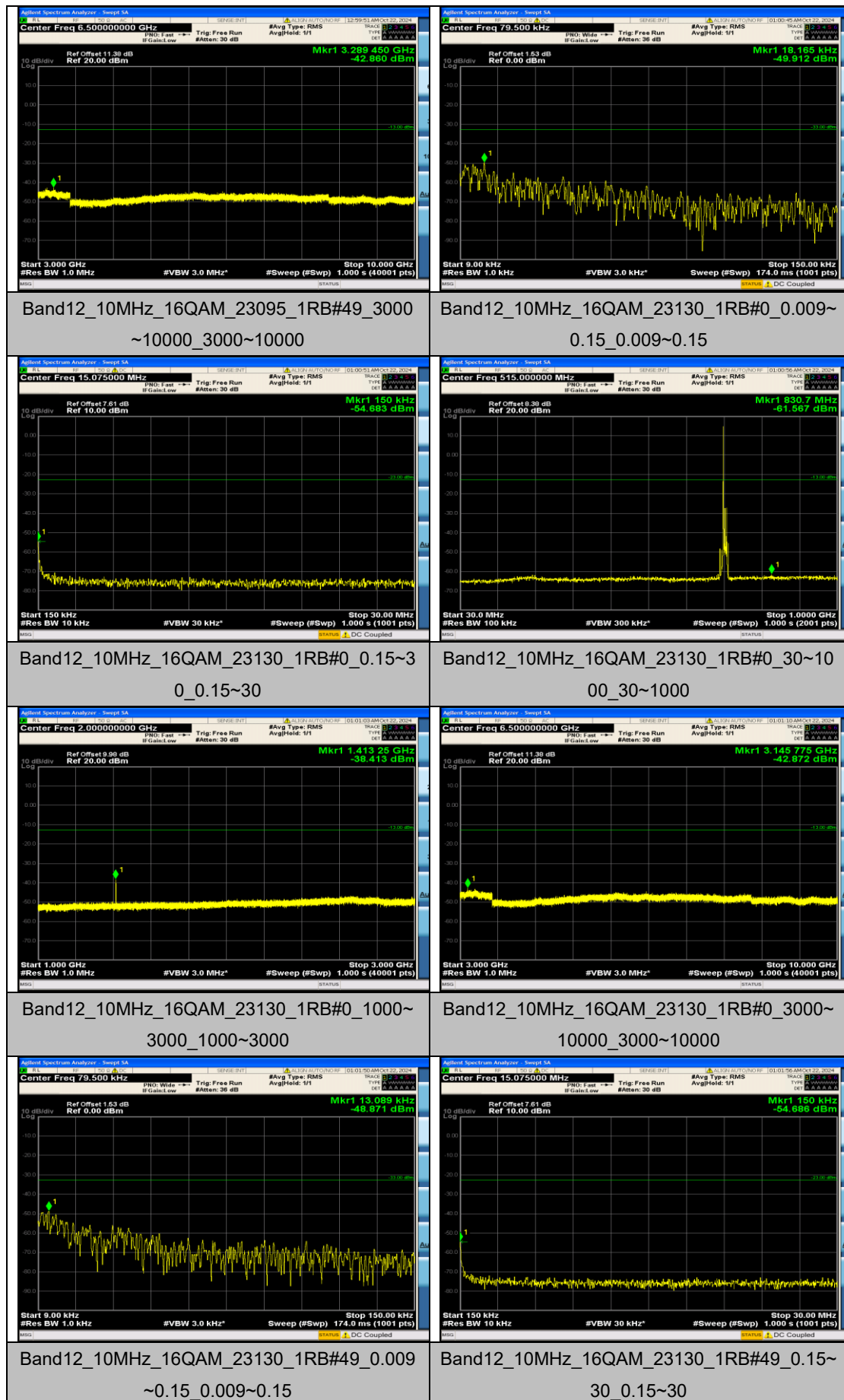
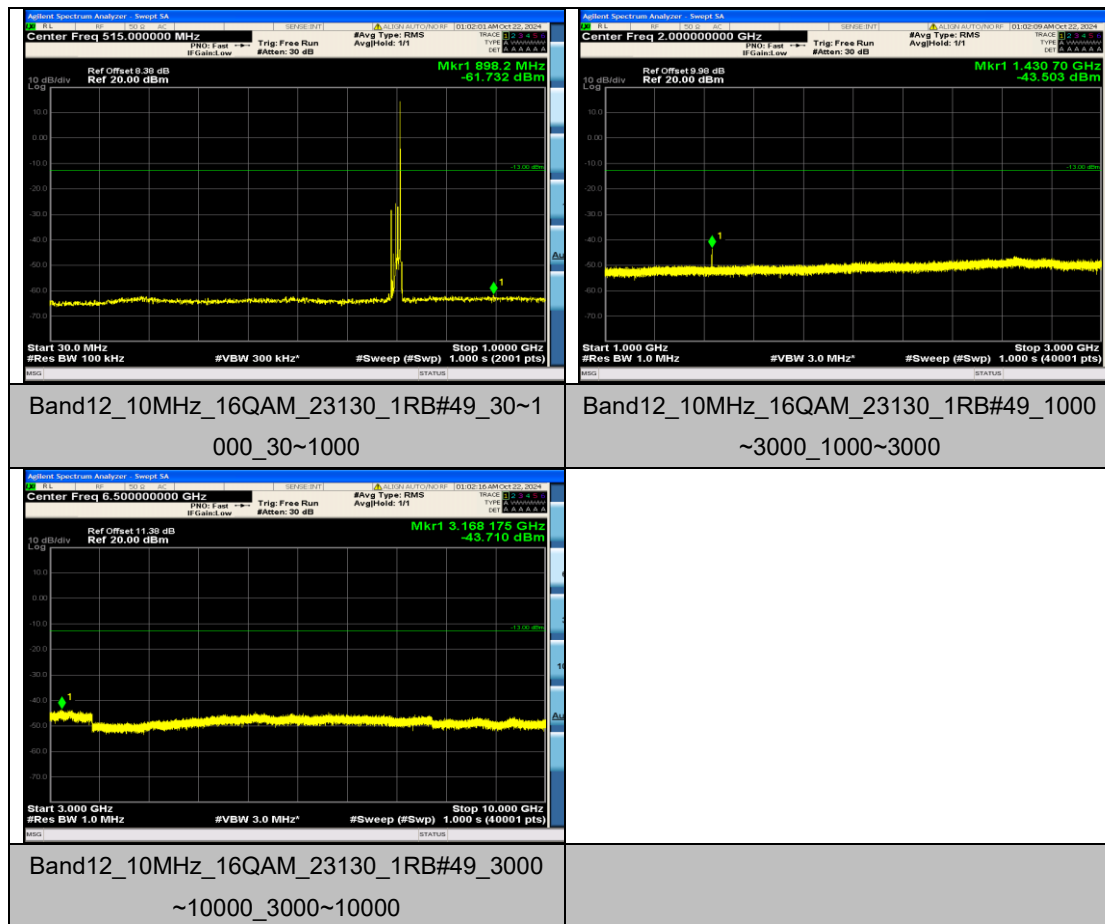








Appendix F: Frequency Stability

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	5.78	0.008261	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	11.94	0.017064	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	20.93	0.029913	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	21.87	0.031256	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	10.03	0.014335	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	25.69	0.036716	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	7.54	0.010776	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	18.54	0.026497	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	2.95	0.004216	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	29.10	0.041131	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	27.71	0.039166	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	17.05	0.024099	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	9.08	0.012834	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	29.55	0.041767	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	21.20	0.029965	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	14.13	0.019972	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	19.98	0.028240	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	13.29	0.018784	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	23.76	0.033217	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	25.63	0.035831	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	6.91	0.009660	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	16.78	0.023459	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	9.86	0.013784	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	26.99	0.037732	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	16.25	0.022718	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	19.54	0.027317	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	28.24	0.039480	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-15.09	-0.021566	±2.5	PASS

Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-6.87	-0.009818	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	-18.44	-0.026354	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-4.48	-0.006403	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-20.38	-0.029127	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-29.87	-0.042690	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-16.02	-0.022896	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	-3.95	-0.005645	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	-12.76	-0.018236	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-12.77	-0.018049	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-18.91	-0.026728	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	-24.89	-0.035180	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-5.16	-0.007293	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-8.14	-0.011505	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-11.66	-0.016481	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	-19.60	-0.027703	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	-24.83	-0.035095	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	-19.00	-0.026855	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	5.78	0.008081	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	10.39	0.014525	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	12.65	0.017685	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	13.80	0.019293	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	2.03	0.002838	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	4.45	0.006221	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	27.84	0.038921	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	19.61	0.027415	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	15.71	0.021963	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	17.35	0.024768	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	7.45	0.010635	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	8.37	0.011949	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	20.84	0.029750	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	3.69	0.005268	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-1.50	-0.002141	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	9.43	0.013462	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	22.59	0.032248	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	14.12	0.020157	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	18.22	0.025753	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	3.93	0.005555	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	5.71	0.008071	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	13.60	0.019223	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	12.59	0.017795	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	21.20	0.029965	±2.5	PASS

Band12	3MHz	QPSK	23095	15RB#0	NV	30	15.06	0.021286	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	26.76	0.037823	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	6.34	0.008961	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-30	28.41	0.039762	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	4.92	0.006886	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	9.86	0.013800	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	11.50	0.016095	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	24.45	0.034220	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	6.31	0.008831	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	9.51	0.013310	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	15.58	0.021805	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	29.73	0.041610	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	-15.59	-0.022256	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	-28.15	-0.040186	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	-7.47	-0.010664	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	-8.57	-0.012234	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-13.93	-0.019886	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	-26.65	-0.038044	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	-4.15	-0.005924	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	-9.17	-0.013091	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	-11.93	-0.017031	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-15.45	-0.021837	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-28.74	-0.040622	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	-10.91	-0.015420	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-10.70	-0.015124	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-2.17	-0.003067	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-9.28	-0.013117	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	-15.01	-0.021216	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	-11.96	-0.016905	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	-6.51	-0.009201	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	19.54	0.027348	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	15.34	0.021470	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	14.73	0.020616	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	26.69	0.037355	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	11.72	0.016403	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	10.96	0.015339	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	17.61	0.024647	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	23.12	0.032358	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	14.16	0.019818	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	14.19	0.020228	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	8.31	0.011846	±2.5	PASS

Band12	5MHz	QPSK	23035	25RB#0	NV	-10	21.62	0.030820	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	24.95	0.035567	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	9.23	0.013158	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	15.41	0.021967	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	23.85	0.033999	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	28.80	0.041055	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	-4.72	-0.006728	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	24.26	0.034290	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	25.69	0.036311	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	5.34	0.007548	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	14.42	0.020382	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	11.59	0.016382	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	10.94	0.015463	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	22.99	0.032495	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	29.71	0.041993	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	6.48	0.009159	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	15.36	0.021528	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-20	29.10	0.040785	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	23.66	0.033160	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	18.24	0.025564	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	17.90	0.025088	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	8.00	0.011212	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	3.71	0.005200	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	12.17	0.017057	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	15.64	0.021920	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-23.19	-0.033058	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-8.30	-0.011832	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	-23.59	-0.033628	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-10.51	-0.014982	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-6.42	-0.009152	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	-16.49	-0.023507	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	-7.93	-0.011304	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-25.94	-0.036978	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	-15.68	-0.022352	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	-18.24	-0.025781	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	-2.65	-0.003746	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-10	-14.13	-0.019972	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	-24.73	-0.034954	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	-26.29	-0.037159	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-15.39	-0.021753	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	-4.95	-0.006996	±2.5	PASS

Band12	5MHz	16QAM	23095	25RB#0	NV	40	-11.67	-0.016495	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	-27.28	-0.038558	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	-9.67	-0.013553	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	-10.54	-0.014772	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	-12.09	-0.016945	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	5.04	0.007064	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	22.70	0.031815	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	2.83	0.003966	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	15.68	0.021976	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	7.25	0.010161	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	27.88	0.039075	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	14.72	0.020909	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	10.46	0.014858	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	19.01	0.027003	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	7.84	0.011136	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	27.42	0.038949	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	27.24	0.038693	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	27.59	0.039190	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	28.00	0.039773	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	16.91	0.024020	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	18.22	0.025753	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	10.40	0.014700	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	5.36	0.007576	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	25.19	0.035604	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	22.95	0.032438	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	25.19	0.035604	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	27.62	0.039039	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	4.84	0.006841	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	22.43	0.031703	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	22.77	0.032025	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	14.19	0.019958	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	24.42	0.034346	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	10.80	0.015190	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	16.35	0.022996	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	11.00	0.015471	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	22.54	0.031702	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	8.71	0.012250	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	21.14	0.029733	±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

