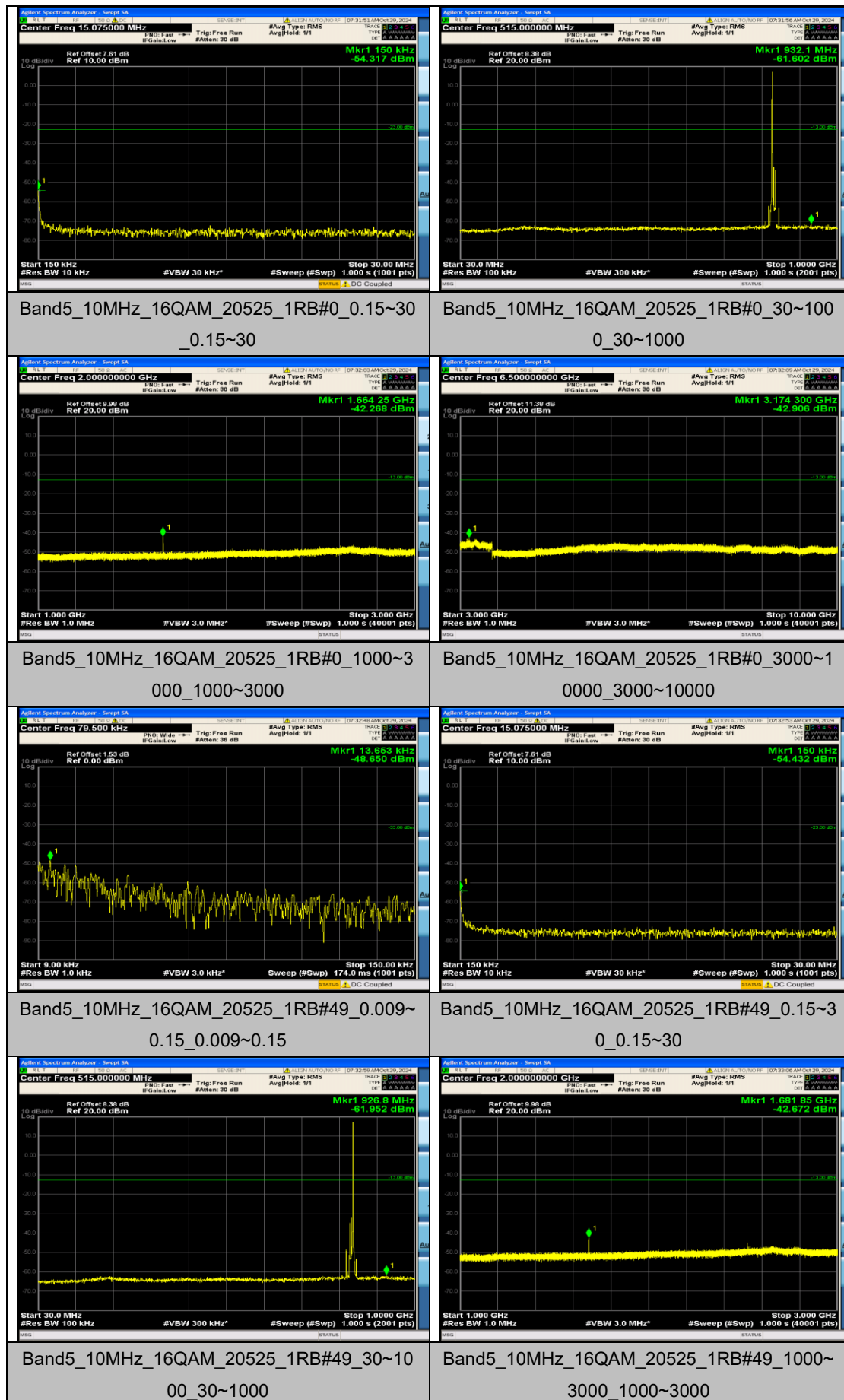
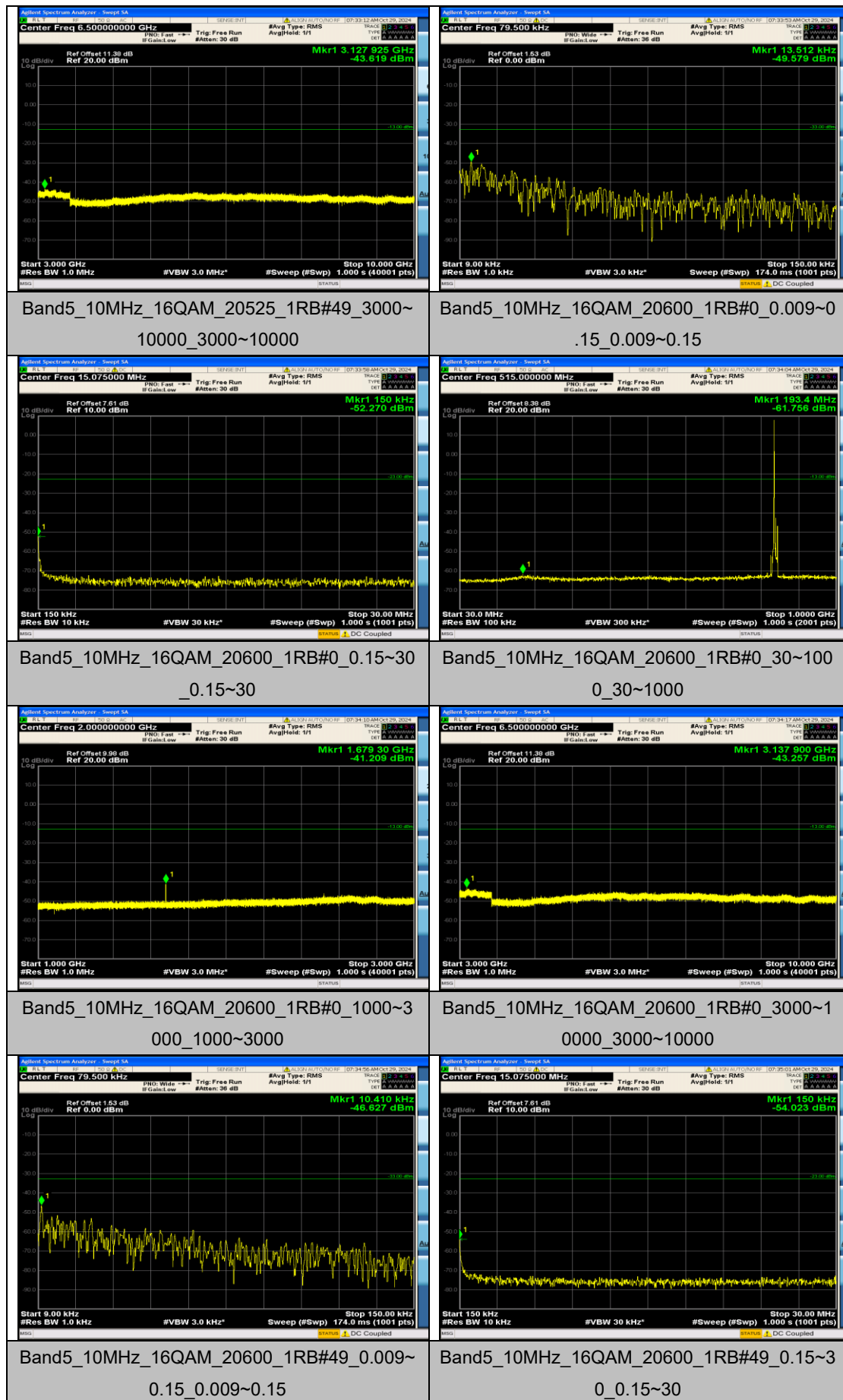
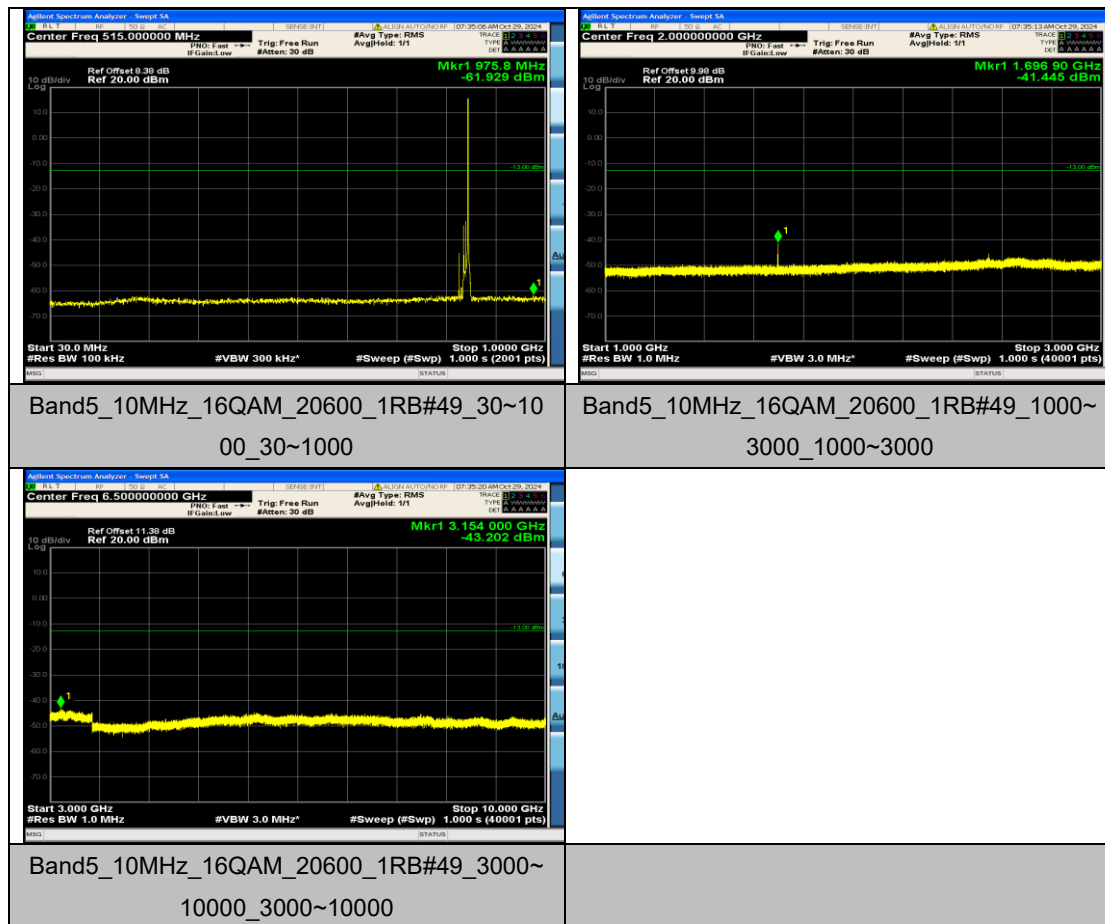








Appendix F: Frequency Stability

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
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	-6.42	-0.007785	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-5.64	-0.006839	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	-6.42	-0.007785	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-3.13	-0.003795	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-3.03	-0.003674	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-3.69	-0.004474	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	2.49	0.003019	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	-5.14	-0.006233	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	-5.08	-0.006160	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-6.11	-0.007304	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-3.32	-0.003969	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	-4.59	-0.005487	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-2.66	-0.003180	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-3.55	-0.004244	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-2.35	-0.002809	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	-3.42	-0.004088	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	-2.83	-0.003383	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-2.36	-0.002821	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-8.18	-0.009643	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-6.12	-0.007214	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	-6.09	-0.007179	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-2.99	-0.003525	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-3.32	-0.003914	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	-4.73	-0.005576	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	-4.21	-0.004963	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	-3.03	-0.003572	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	-4.79	-0.005647	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	-4.45	-0.005396	±2.5	PASS

Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	-3.99	-0.004838	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	1.79	0.002170	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	-2.89	-0.003504	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-3.32	-0.004026	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	-2.56	-0.003104	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	-5.18	-0.006281	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	-3.46	-0.004195	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	2.80	0.003395	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	-3.79	-0.004531	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	3.22	0.003849	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	-2.98	-0.003562	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	2.95	0.003527	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	-4.51	-0.005392	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-1.79	-0.002140	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	-4.81	-0.005750	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	-3.22	-0.003849	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	-2.65	-0.003168	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	2.83	0.003336	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-3.35	-0.003949	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	-2.42	-0.002853	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-4.63	-0.005458	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-3.69	-0.004350	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-2.27	-0.002676	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-3.49	-0.004114	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	-2.06	-0.002428	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	-1.96	-0.002311	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	4.39	0.005318	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	4.85	0.005875	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	3.78	0.004579	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	4.79	0.005803	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	4.91	0.005948	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	5.42	0.006566	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	4.25	0.005148	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	2.70	0.003271	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	4.96	0.006008	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	4.23	0.005057	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	2.60	0.003108	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	2.69	0.003216	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	2.35	0.002809	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	2.88	0.003443	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	2.39	0.002857	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	30	3.13	0.003742	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	3.66	0.004375	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	3.23	0.003861	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	2.68	0.003162	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	2.07	0.002442	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	3.86	0.004555	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	3.49	0.004118	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	5.04	0.005947	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	1.53	0.001805	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	2.93	0.003457	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	3.35	0.003953	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	4.98	0.005876	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	4.94	0.005984	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	4.62	0.005597	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	4.16	0.005039	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	3.71	0.004494	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	1.89	0.002290	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	3.88	0.004700	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	3.13	0.003792	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	2.85	0.003452	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	3.18	0.003852	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	1.96	0.002343	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	2.78	0.003323	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	2.19	0.002618	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	2.93	0.003503	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	4.32	0.005164	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	3.30	0.003945	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	6.08	0.007268	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	3.33	0.003981	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	2.02	0.002415	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	2.50	0.002950	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	1.47	0.001735	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	3.50	0.004130	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	2.06	0.002431	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-2.39	-0.002820	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-1.67	-0.001971	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	-2.07	-0.002442	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	4.41	0.005204	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	3.36	0.003965	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	-2.79	-0.003376	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	-2.95	-0.003569	±2.5	PASS

Band5	5MHz	QPSK	20425	25RB#0	NV	-10	-2.90	-0.003509	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	-1.32	-0.001597	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	2.00	0.002420	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	-1.65	-0.001996	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	-1.96	-0.002371	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	-1.82	-0.002202	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	2.27	0.002747	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	-1.62	-0.001937	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	-1.90	-0.002271	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	-2.73	-0.003264	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	-1.32	-0.001578	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	1.42	0.001698	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	1.43	0.001710	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	-2.06	-0.002463	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	-2.47	-0.002953	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	-1.96	-0.002343	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	3.62	0.004276	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	4.88	0.005765	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	4.32	0.005103	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	2.82	0.003331	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	4.26	0.005032	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	4.16	0.004914	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	3.19	0.003768	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	4.73	0.005588	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	5.08	0.006001	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-1.95	-0.002359	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	2.17	0.002626	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	-2.06	-0.002492	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-2.03	-0.002456	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	-2.42	-0.002928	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-3.96	-0.004791	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	-3.98	-0.004815	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	2.27	0.002747	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	2.59	0.003134	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	-2.02	-0.002415	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	2.96	0.003539	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	2.79	0.003335	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	3.60	0.004304	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	2.15	0.002570	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	-1.37	-0.001638	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	0.97	0.001160	±2.5	PASS

Band5	5MHz	16QAM	20525	25RB#0	NV	40	3.00	0.003586	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	-2.02	-0.002415	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	3.88	0.004584	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	2.86	0.003379	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	3.03	0.003579	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	3.81	0.004501	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	3.96	0.004678	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	4.73	0.005588	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	1.90	0.002245	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	1.92	0.002268	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	2.72	0.003213	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	2.78	0.003353	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	3.72	0.004487	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	-1.72	-0.002075	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	4.19	0.005054	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	2.35	0.002835	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	1.79	0.002159	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	2.35	0.002835	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	2.85	0.003438	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	2.56	0.003088	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	1.50	0.001793	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	2.12	0.002534	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-1.89	-0.002259	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	2.03	0.002427	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	2.12	0.002534	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	2.86	0.003419	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	2.02	0.002415	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	1.62	0.001937	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	2.79	0.003335	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-2.06	-0.002441	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	2.37	0.002808	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	-2.00	-0.002370	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	1.20	0.001422	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	2.35	0.002784	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	3.20	0.003791	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	1.54	0.001825	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	1.66	0.001967	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	2.02	0.002393	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	PASS
Band5	3MHz	QPSK	20415	15RB#0	PASS
Band5	3MHz	QPSK	20525	15RB#0	PASS
Band5	3MHz	QPSK	20635	15RB#0	PASS
Band5	3MHz	16QAM	20415	15RB#0	PASS
Band5	3MHz	16QAM	20525	15RB#0	PASS
Band5	3MHz	16QAM	20635	15RB#0	PASS
Band5	5MHz	QPSK	20425	25RB#0	PASS
Band5	5MHz	QPSK	20525	25RB#0	PASS
Band5	5MHz	QPSK	20625	25RB#0	PASS
Band5	5MHz	16QAM	20425	25RB#0	PASS
Band5	5MHz	16QAM	20525	25RB#0	PASS
Band5	5MHz	16QAM	20625	25RB#0	PASS
Band5	10MHz	QPSK	20450	50RB#0	PASS
Band5	10MHz	QPSK	20525	50RB#0	PASS
Band5	10MHz	QPSK	20600	50RB#0	PASS
Band5	10MHz	16QAM	20450	1RB#0	PASS
Band5	10MHz	16QAM	20525	1RB#0	PASS
Band5	10MHz	16QAM	20600	1RB#0	PASS

Test Graphs

