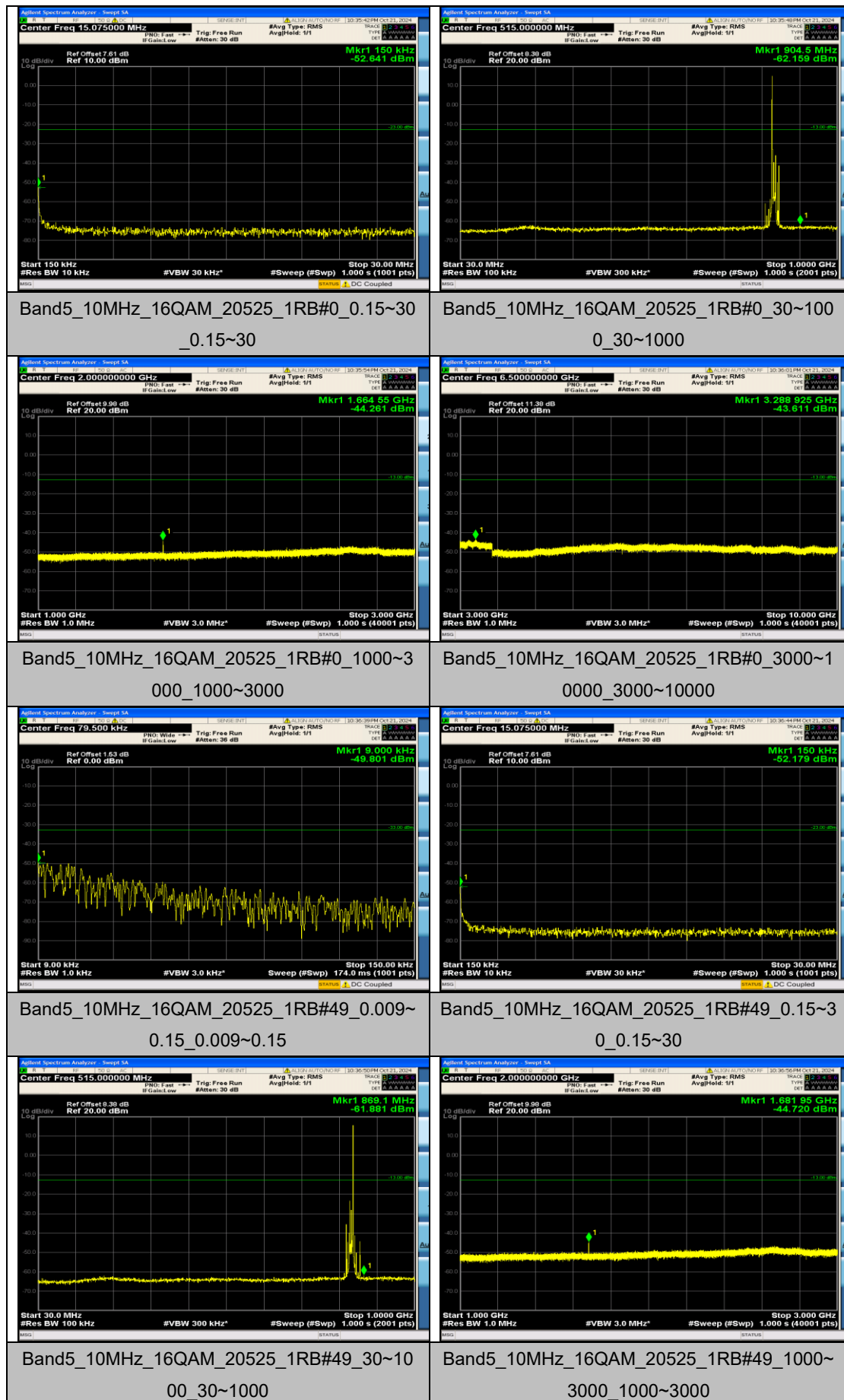
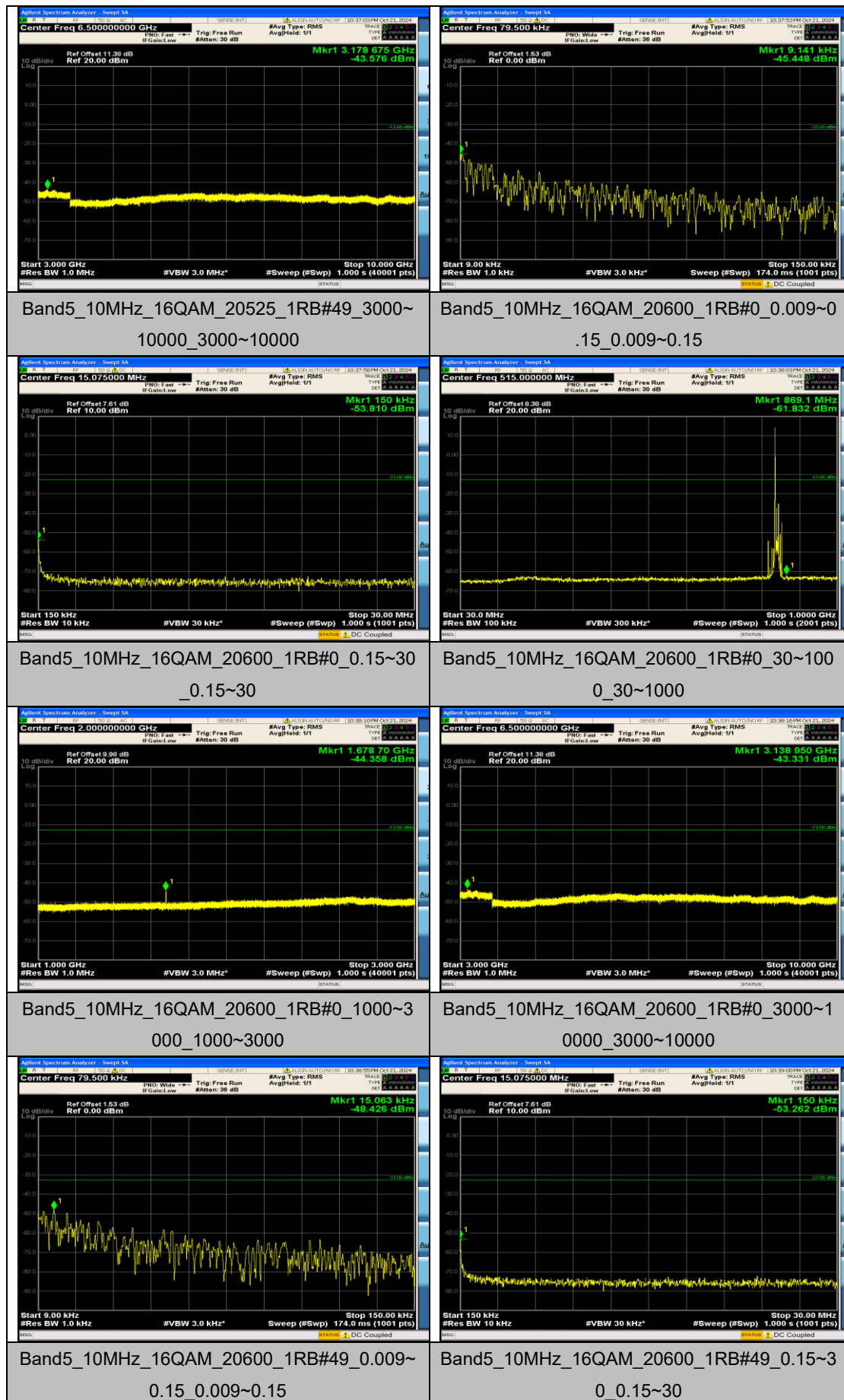
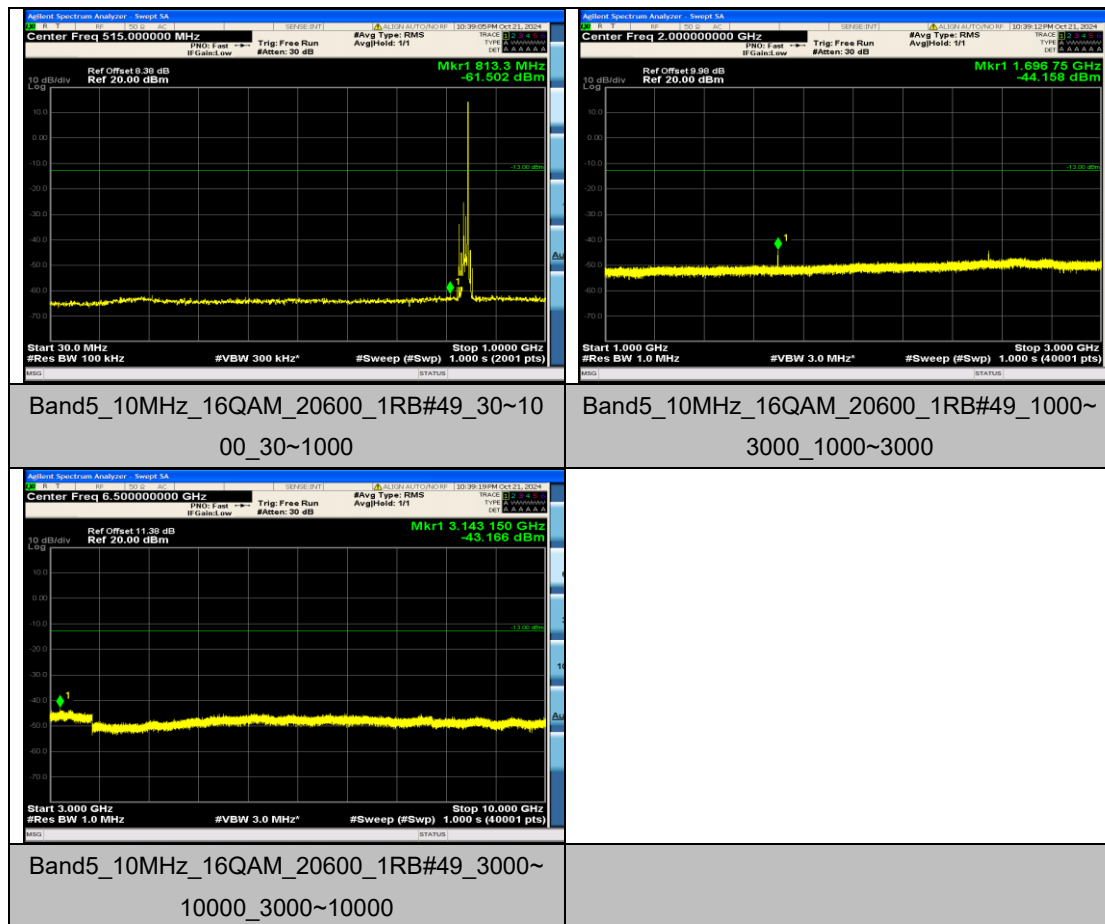








Appendix F: Frequency Stability

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	19.74	0.023936	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	13.28	0.016103	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	7.80	0.009458	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	17.74	0.021511	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	11.46	0.013896	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	20.87	0.025306	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	18.70	0.022675	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	7.17	0.008694	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	28.61	0.034691	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	29.17	0.034871	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	10.23	0.012230	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	21.84	0.026109	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-8.54	-0.010209	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-2.68	-0.003204	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-13.50	-0.016139	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	-14.46	-0.017286	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	-17.24	-0.020610	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-16.44	-0.019653	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	26.32	0.031027	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	8.31	0.009796	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	11.80	0.013910	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	13.50	0.015914	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	5.42	0.006389	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	20.94	0.024685	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	6.71	0.007910	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	26.19	0.030874	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	32.76	0.038618	±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	-3.50	-0.004244	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	-26.21	-0.031781	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	-12.04	-0.014599	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-15.28	-0.018528	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	-17.41	-0.021111	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	1.72	0.002086	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	-8.15	-0.009882	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	-6.15	-0.007457	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	-18.94	-0.022642	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	-23.33	-0.027890	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	-28.15	-0.033652	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	-2.13	-0.002546	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	-13.88	-0.016593	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-17.07	-0.020406	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	-27.18	-0.032493	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	-16.62	-0.019868	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	-12.85	-0.015362	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-7.93	-0.009348	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-11.87	-0.013993	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	-19.53	-0.023023	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-13.19	-0.015549	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-20.08	-0.023671	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-11.50	-0.013557	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-16.34	-0.019262	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	-9.48	-0.011175	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	-23.72	-0.027962	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	11.54	0.013979	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	22.99	0.027850	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	22.43	0.027171	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	23.30	0.028225	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	15.09	0.018280	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	12.10	0.014658	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	31.36	0.037989	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	34.17	0.041393	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	24.26	0.029388	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	9.10	0.010879	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	22.90	0.027376	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	16.97	0.020287	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	19.05	0.022773	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	28.00	0.033473	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	10.00	0.011955	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	30	21.17	0.025308	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	23.13	0.027651	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	5.31	0.006348	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	29.40	0.034690	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	10.53	0.012425	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	18.21	0.021487	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	9.60	0.011327	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	11.57	0.013652	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	10.84	0.012791	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	21.30	0.025133	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	20.10	0.023717	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	8.68	0.010242	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	-15.28	-0.018510	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	-10.51	-0.012732	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	-18.44	-0.022338	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	-21.89	-0.026517	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	-25.02	-0.030309	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	-19.50	-0.023622	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	-22.07	-0.026735	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	-24.83	-0.030079	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	-18.97	-0.022980	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	-23.13	-0.027651	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	-9.81	-0.011727	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	-8.98	-0.010735	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	-14.96	-0.017884	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	-7.17	-0.008571	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	7.20	0.008607	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	18.54	0.022164	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	26.85	0.032098	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	11.33	0.013545	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-12.93	-0.015257	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	-2.45	-0.002891	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	3.46	0.004083	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	6.44	0.007599	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	6.28	0.007410	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	21.89	0.025829	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	24.05	0.028378	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	28.41	0.033522	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	10.79	0.012732	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	27.81	0.033648	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	11.63	0.014071	±2.5	PASS

Band5	5MHz	QPSK	20425	25RB#0	NV	-10	18.21	0.022033	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	23.82	0.028820	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	22.60	0.027344	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	28.64	0.034652	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	14.61	0.017677	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	28.55	0.034543	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	22.47	0.027187	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	27.92	0.033377	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	22.72	0.027161	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	25.06	0.029958	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	14.96	0.017884	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	8.65	0.010341	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	28.24	0.033760	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	24.52	0.029313	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	9.28	0.011094	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	20.90	0.024985	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	21.39	0.025269	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	30.13	0.035594	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	14.65	0.017307	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	27.89	0.032947	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	22.67	0.026781	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	25.31	0.029900	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	13.09	0.015464	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	26.02	0.030738	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	10.11	0.011943	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-14.29	-0.017290	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-24.52	-0.029667	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	-9.57	-0.011579	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-10.14	-0.012269	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	-12.57	-0.015209	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-13.73	-0.016612	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	-29.97	-0.036261	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	-26.99	-0.032656	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	-7.54	-0.009123	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	-17.15	-0.020502	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	-12.12	-0.014489	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	-11.03	-0.013186	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	-21.37	-0.025547	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	-22.89	-0.027364	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	-7.54	-0.009014	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	1.66	0.001984	±2.5	PASS

Band5	5MHz	16QAM	20525	25RB#0	NV	40	-3.62	-0.004328	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	1.83	0.002188	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	20.60	0.024335	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	29.00	0.034259	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	7.54	0.008907	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	21.06	0.024879	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	10.60	0.012522	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	8.54	0.010089	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	17.37	0.020520	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	9.94	0.011742	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	-2.16	-0.002552	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	23.09	0.027853	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	26.51	0.031978	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	13.58	0.016381	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	11.24	0.013559	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	22.89	0.027612	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	17.97	0.021677	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	20.44	0.024656	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	20.01	0.024138	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	24.40	0.029433	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	23.52	0.028117	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	20.16	0.024100	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	16.21	0.019378	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	11.36	0.013580	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	20.13	0.024065	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	26.06	0.031154	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	8.33	0.009958	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	16.64	0.019892	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	27.22	0.032540	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	26.16	0.030995	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	28.50	0.033768	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	24.75	0.029325	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	27.14	0.032156	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	16.74	0.019834	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	24.92	0.029526	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	26.97	0.031955	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	25.69	0.030438	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	28.44	0.033697	±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

