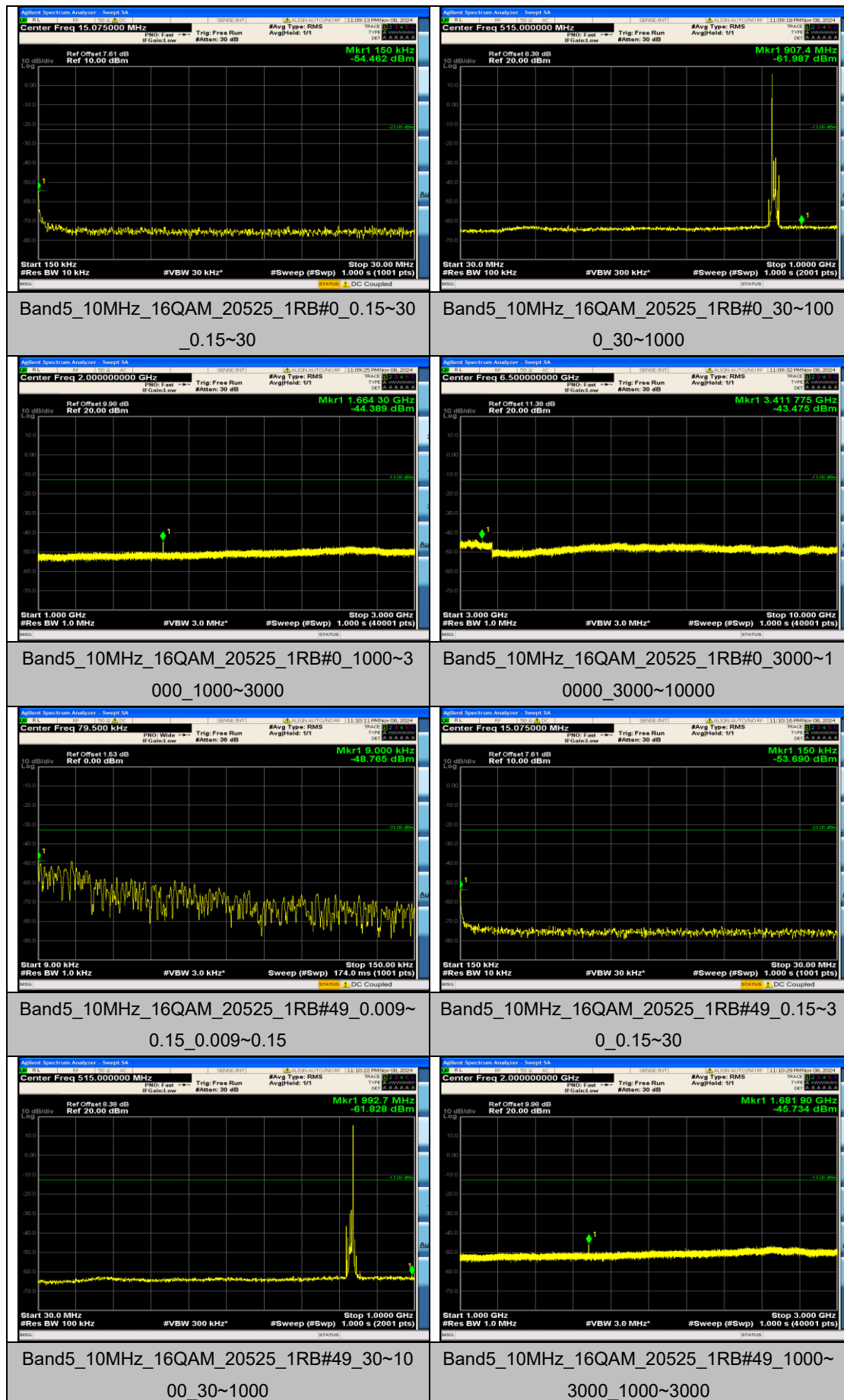
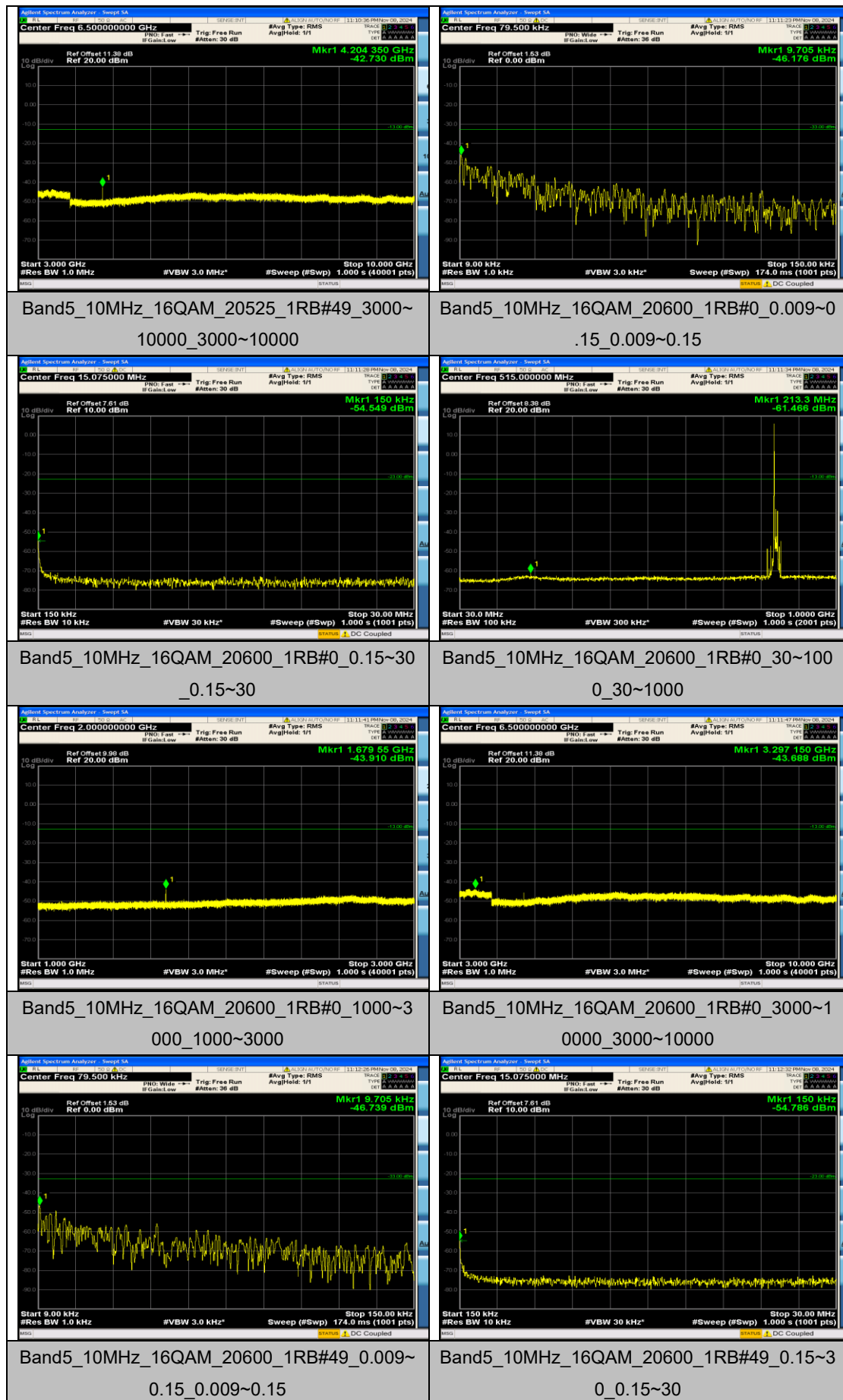
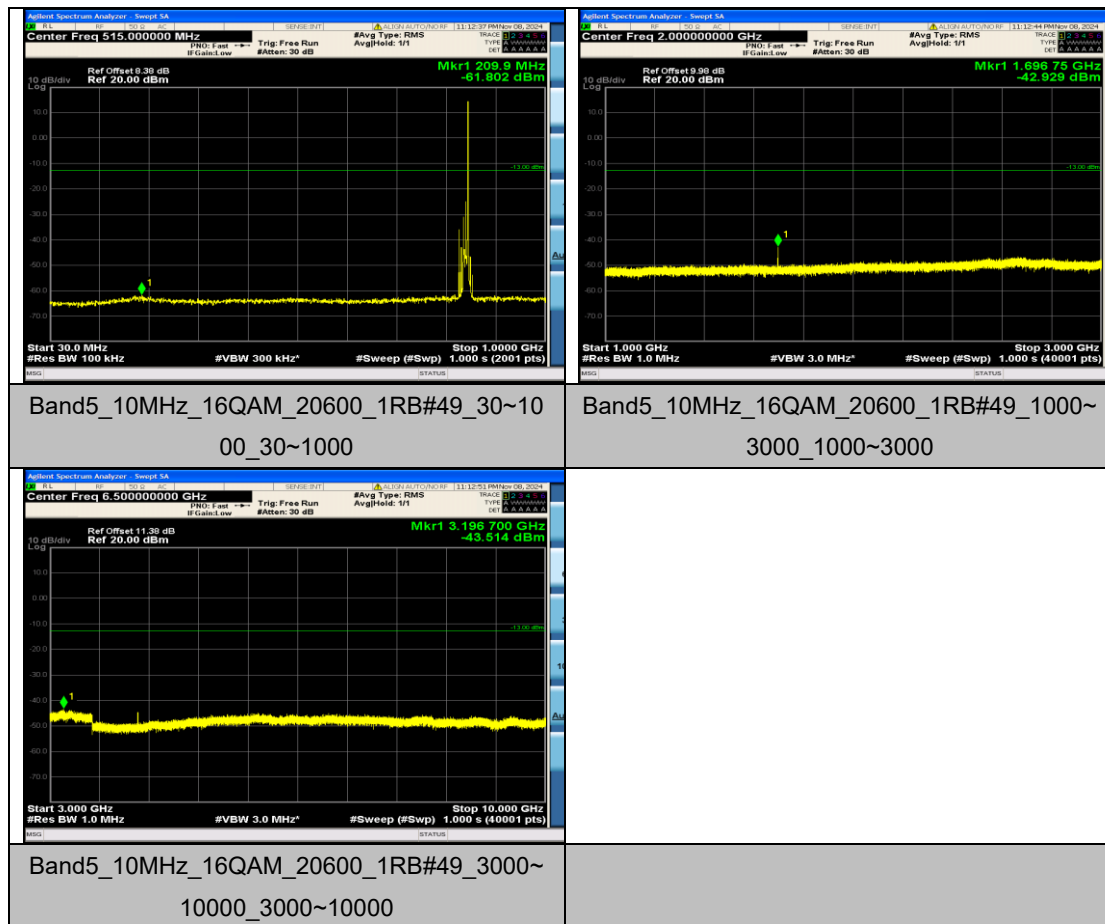








Appendix F: Frequency Stability

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	11.64	0.014114	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	12.79	0.015509	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	28.87	0.035007	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	13.92	0.016879	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	16.74	0.020298	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	16.19	0.019631	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	12.17	0.014757	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	5.39	0.006536	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	20.03	0.024288	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	27.34	0.032684	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	27.25	0.032576	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	9.21	0.011010	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	18.30	0.021877	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	19.67	0.023515	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	8.27	0.009886	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	20.96	0.025057	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	17.50	0.020921	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	20.14	0.024077	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	12.60	0.014853	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	15.91	0.018755	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	16.25	0.019156	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	13.48	0.015891	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	8.75	0.010315	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	26.21	0.030897	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	17.02	0.020064	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	7.50	0.008841	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	20.69	0.024390	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	18.53	0.022469	±2.5	PASS

Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	20.51	0.024870	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	23.25	0.028192	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	25.89	0.031393	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	4.33	0.005250	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	8.00	0.009700	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	12.17	0.014757	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	16.75	0.020310	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	20.79	0.025209	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	26.19	0.031309	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	24.05	0.028751	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	19.47	0.023276	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	15.54	0.018577	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	13.98	0.016712	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	8.71	0.010412	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	30.78	0.036796	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	26.09	0.031189	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	22.53	0.026934	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-24.12	-0.028433	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-14.46	-0.017046	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	-28.61	-0.033726	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-16.48	-0.019427	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-29.20	-0.034422	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-15.38	-0.018130	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-26.74	-0.031522	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	-11.37	-0.013403	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	-17.97	-0.021184	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	29.37	0.035578	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	22.59	0.027365	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	27.74	0.033604	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	22.14	0.026820	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	25.95	0.031435	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	27.32	0.033095	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	20.60	0.024955	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	11.97	0.014500	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	21.10	0.025560	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	18.83	0.022510	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	16.24	0.019414	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	27.67	0.033078	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	21.93	0.026216	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	28.18	0.033688	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	25.35	0.030305	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	30	23.59	0.028201	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	25.51	0.030496	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	21.36	0.025535	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	29.87	0.035245	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	10.83	0.012779	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	12.92	0.015245	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	12.76	0.015056	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	7.04	0.008307	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	25.72	0.030348	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	18.98	0.022395	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	8.28	0.009770	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	23.20	0.027375	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	26.58	0.032199	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	4.63	0.005609	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	9.56	0.011581	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	15.48	0.018752	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	18.28	0.022144	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	23.29	0.028213	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	25.91	0.031387	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	7.75	0.009388	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	13.19	0.015978	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	14.89	0.017800	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	28.38	0.033927	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	13.35	0.015959	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	24.81	0.029659	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	10.33	0.012349	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	18.98	0.022690	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	4.72	0.005643	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	12.82	0.015326	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	17.92	0.021423	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-12.42	-0.014655	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	-12.79	-0.015091	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	-8.57	-0.010112	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	-31.31	-0.036944	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-24.10	-0.028437	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-15.51	-0.018301	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	-6.28	-0.007410	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	-22.00	-0.025959	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	-10.37	-0.012236	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	18.64	0.022553	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	27.17	0.032874	±2.5	PASS

Band5	5MHz	QPSK	20425	25RB#0	NV	-10	11.90	0.014398	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	12.39	0.014991	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	21.99	0.026606	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	26.21	0.031712	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	23.26	0.028143	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	16.91	0.020460	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	28.98	0.035064	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	28.85	0.034489	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	25.91	0.030974	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	25.68	0.030699	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	13.50	0.016139	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	28.61	0.034202	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	23.00	0.027496	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	27.18	0.032493	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	27.77	0.033198	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	23.79	0.028440	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	18.53	0.021890	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	17.25	0.020378	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	19.44	0.022965	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	29.14	0.034424	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	19.60	0.023154	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	19.76	0.023343	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	11.92	0.014082	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	25.59	0.030230	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	24.38	0.028801	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	17.64	0.021343	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	15.68	0.018972	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	14.65	0.017725	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	16.08	0.019456	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	15.91	0.019250	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	16.75	0.020266	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	19.13	0.023146	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	20.06	0.024271	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	21.62	0.026158	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	13.09	0.015649	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	22.70	0.027137	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	8.24	0.009851	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	22.54	0.026946	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	10.40	0.012433	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	26.59	0.031787	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	15.35	0.018350	±2.5	PASS

Band5	5MHz	16QAM	20525	25RB#0	NV	40	5.45	0.006515	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	20.47	0.024471	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	12.66	0.014956	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	25.09	0.029640	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	13.28	0.015688	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	23.78	0.028092	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	11.07	0.013077	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	21.39	0.025269	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	6.09	0.007194	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	16.22	0.019161	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	24.88	0.029392	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	29.34	0.035392	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	24.28	0.029288	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	28.74	0.034668	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	27.27	0.032895	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	24.45	0.029493	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	28.25	0.034077	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	24.26	0.029264	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	28.11	0.033908	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	27.95	0.033715	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	22.34	0.026707	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	26.51	0.031692	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	26.34	0.031488	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	24.66	0.029480	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	26.41	0.031572	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	20.60	0.024626	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	27.92	0.033377	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	15.28	0.018267	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	17.60	0.021040	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	25.65	0.030391	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	17.35	0.020557	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	22.07	0.026149	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	25.86	0.030640	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	26.38	0.031256	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	16.04	0.019005	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	17.25	0.020438	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	12.77	0.015130	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	28.60	0.033886	±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

