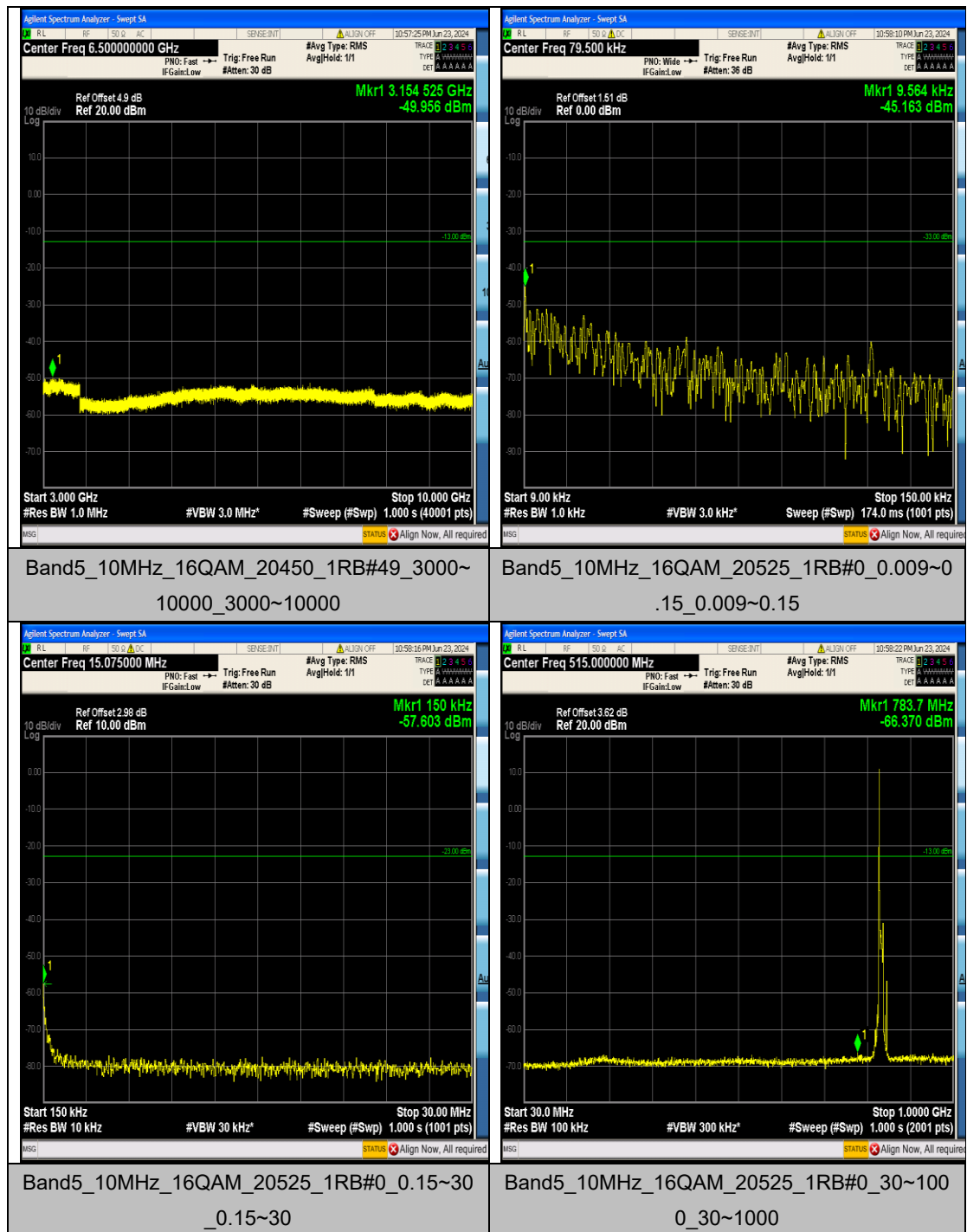
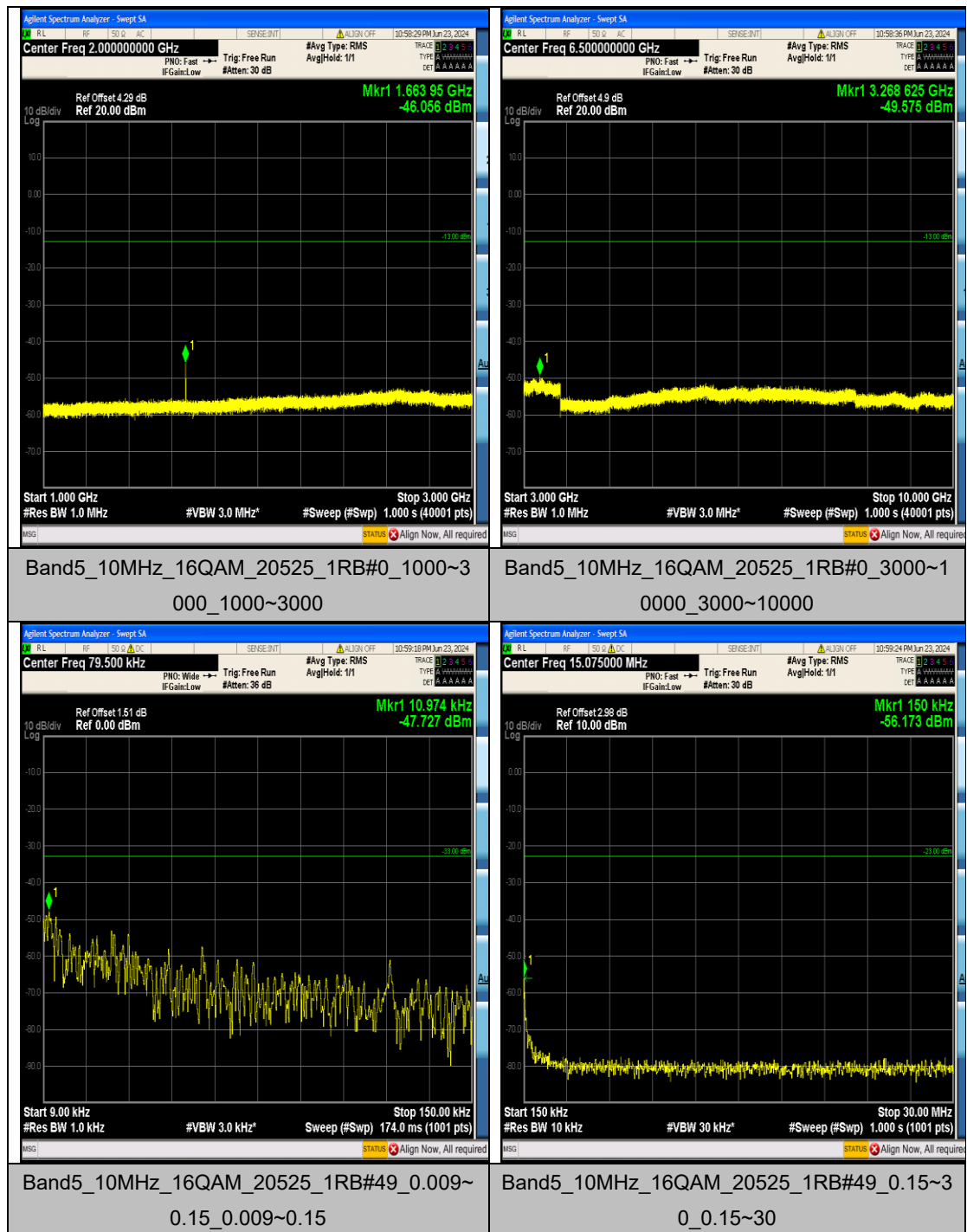
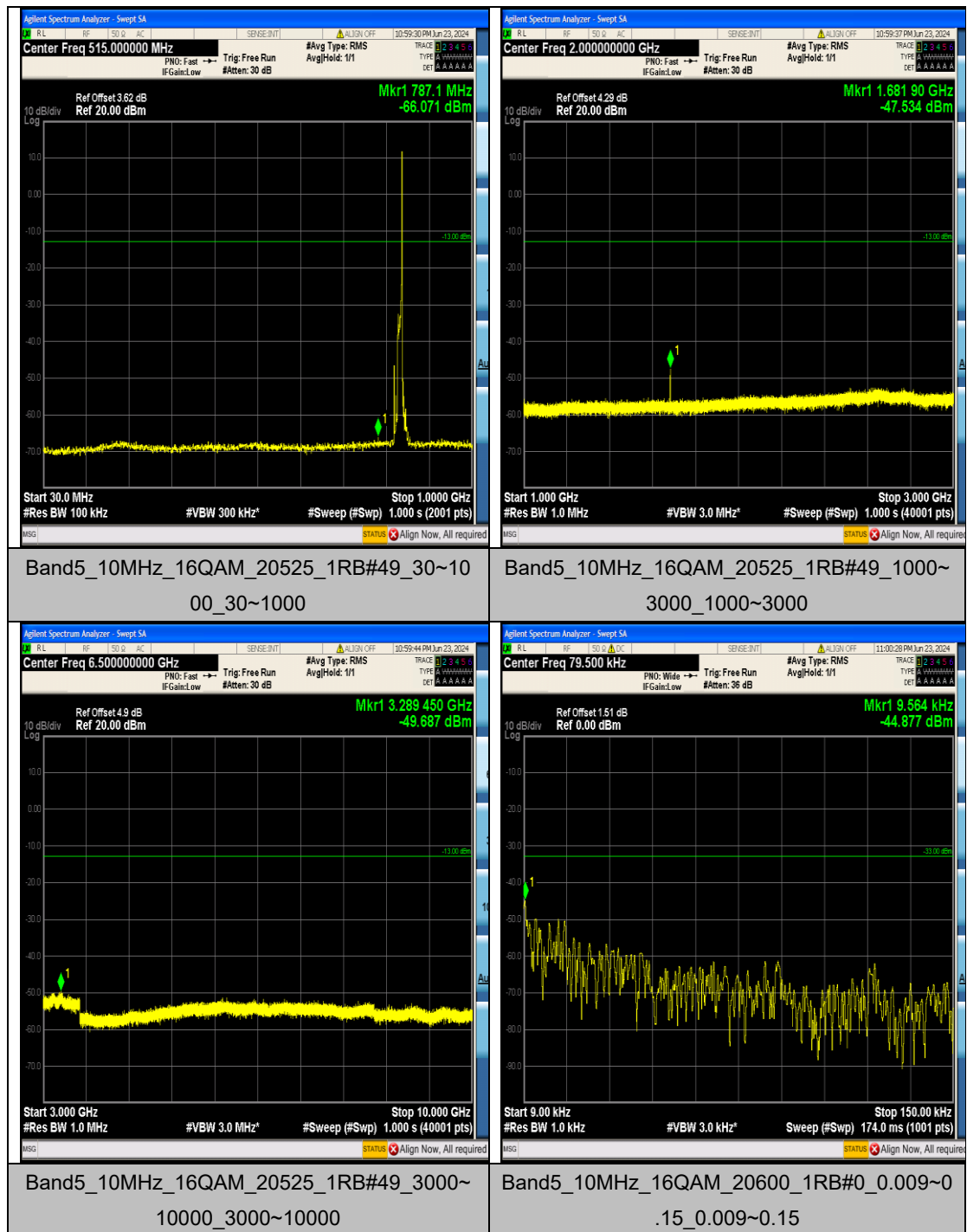
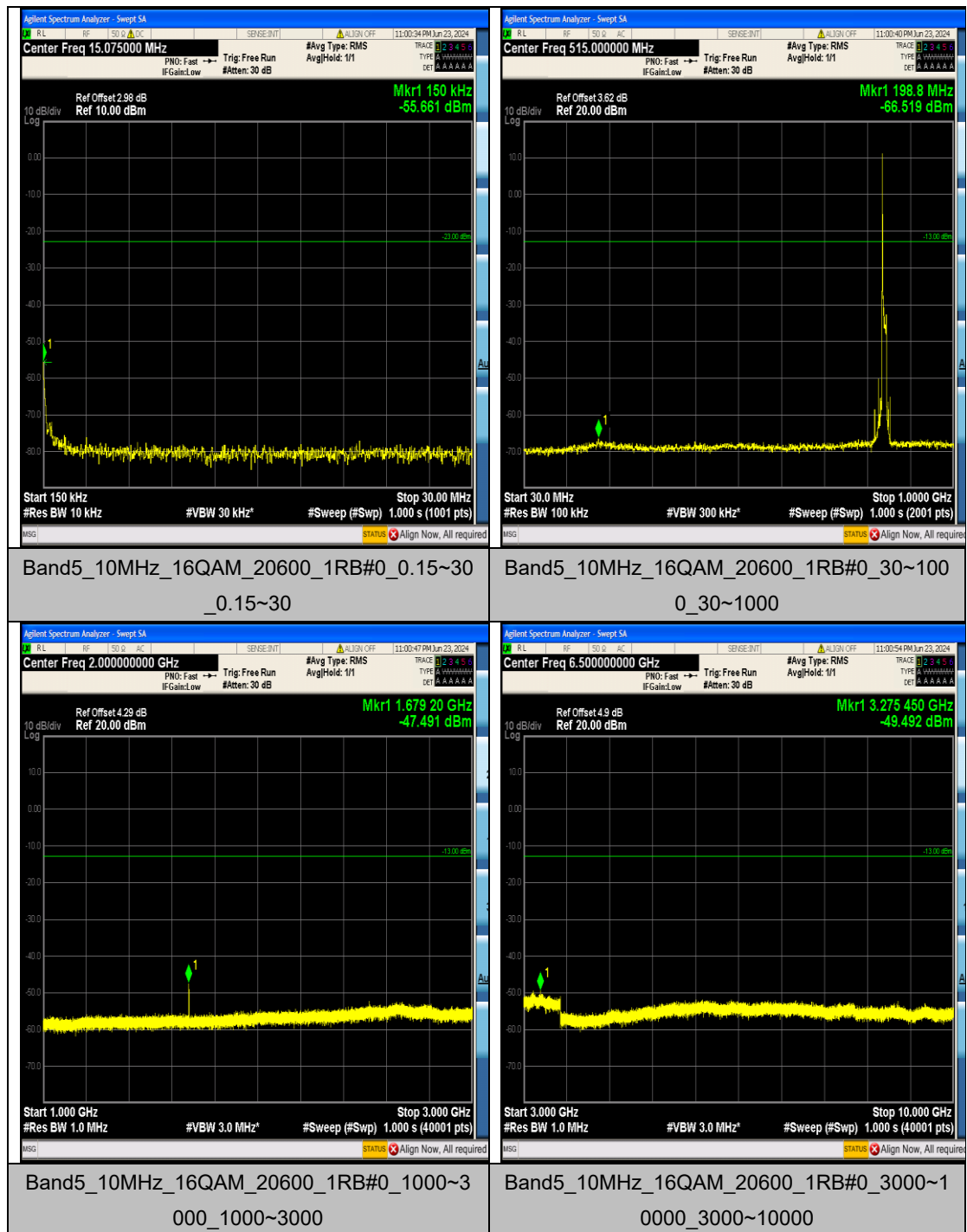
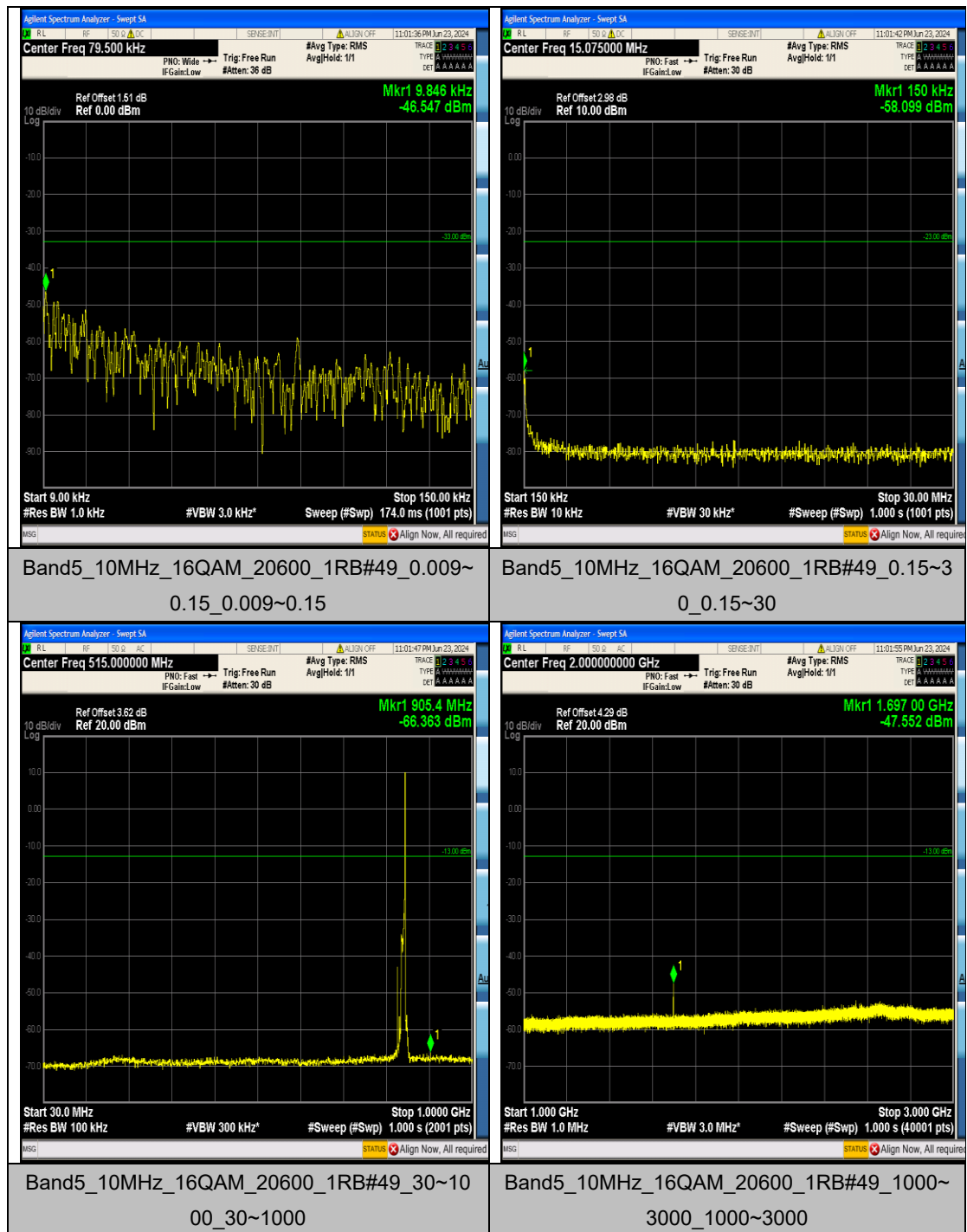


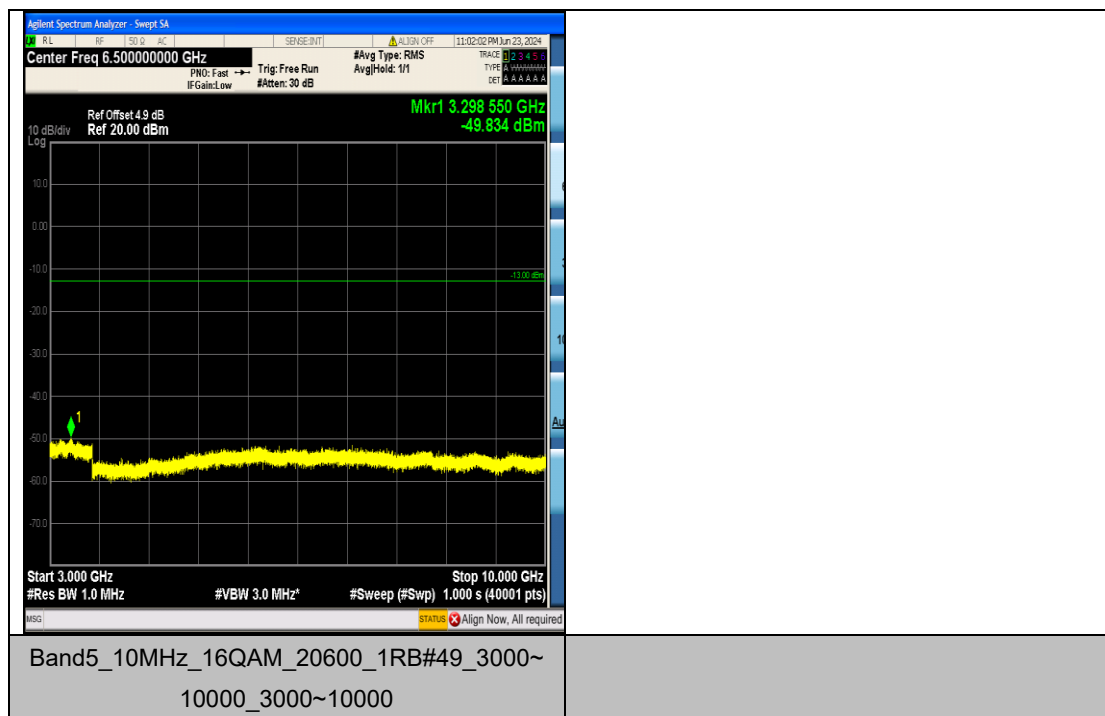












Appendix F: Frequency Stability

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	7.34	0.008900	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	6.68	0.008100	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	6.92	0.008391	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	8.05	0.009761	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	7.21	0.008743	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	7.80	0.009458	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	6.72	0.008148	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	6.78	0.008221	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	6.57	0.007967	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	7.44	0.008894	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	8.96	0.010711	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	6.81	0.008141	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	8.41	0.010054	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	8.78	0.010496	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	8.05	0.009623	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	5.65	0.006754	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	6.27	0.007496	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	6.51	0.007782	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-8.70	-0.010256	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-3.23	-0.003808	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	5.35	0.006307	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	2.33	0.002747	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	5.45	0.006425	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	5.72	0.006743	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	6.95	0.008193	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	2.52	0.002971	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	6.41	0.007556	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	-6.32	-0.007663	±2.5	PASS

Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	-6.69	-0.008112	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	-2.23	-0.002704	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	-3.46	-0.004195	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-7.28	-0.008827	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	-7.70	-0.009337	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	-4.69	-0.005687	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	-4.52	-0.005481	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	-5.18	-0.006281	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	-7.87	-0.009408	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	-5.65	-0.006754	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	-8.96	-0.010711	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	-6.62	-0.007914	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	-6.07	-0.007256	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-5.99	-0.007161	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	-7.88	-0.009420	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	-6.79	-0.008117	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	-9.17	-0.010962	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-8.00	-0.009431	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-6.72	-0.007922	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	-7.08	-0.008346	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-8.87	-0.010456	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-6.67	-0.007863	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-8.68	-0.010232	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-7.28	-0.008582	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	-7.57	-0.008924	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	-6.54	-0.007710	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	6.57	0.007959	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	6.82	0.008262	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	7.54	0.009134	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	7.95	0.009631	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	6.84	0.008286	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	7.88	0.009546	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	8.41	0.010188	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	6.91	0.008371	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	6.08	0.007365	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	7.14	0.008536	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	7.02	0.008392	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	7.47	0.008930	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	8.20	0.009803	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	7.34	0.008775	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	6.81	0.008141	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	30	5.84	0.006981	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	8.70	0.010400	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	6.55	0.007830	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-7.15	-0.008437	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	-7.10	-0.008378	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	-2.30	-0.002714	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	6.90	0.008142	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	6.42	0.007575	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	5.21	0.006147	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	5.28	0.006230	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	5.35	0.006313	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	4.05	0.004779	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	-4.96	-0.006008	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	-9.44	-0.011435	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	-8.27	-0.010018	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	-6.90	-0.008359	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	-7.98	-0.009667	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	-6.94	-0.008407	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	-7.91	-0.009582	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	-6.81	-0.008250	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	-3.86	-0.004676	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	-8.53	-0.010197	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	-7.85	-0.009384	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	-6.44	-0.007699	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	-5.65	-0.006754	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	-2.37	-0.002833	±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	30	-4.06	-0.004854	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	-7.35	-0.008787	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	-5.91	-0.007065	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-8.37	-0.009876	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	-7.50	-0.008850	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	-8.03	-0.009475	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	-7.24	-0.008543	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-8.34	-0.009841	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-7.51	-0.008861	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	-9.08	-0.010714	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	-7.08	-0.008354	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	-8.75	-0.010324	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	7.62	0.009220	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	8.03	0.009716	±2.5	PASS

Band5	5MHz	QPSK	20425	25RB#0	NV	-10	7.37	0.008917	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	9.33	0.011289	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	8.11	0.009812	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	7.00	0.008469	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	7.84	0.009486	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	8.28	0.010018	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	7.14	0.008639	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	7.60	0.009085	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	7.20	0.008607	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	7.52	0.008990	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	8.01	0.009576	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	9.71	0.011608	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	8.17	0.009767	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	7.30	0.008727	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	8.15	0.009743	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	8.23	0.009839	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	-2.20	-0.002599	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	5.06	0.005978	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	6.25	0.007383	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	6.38	0.007537	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	7.82	0.009238	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	7.22	0.008529	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	7.11	0.008399	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	5.21	0.006155	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	8.40	0.009923	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-3.18	-0.003848	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-6.32	-0.007647	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	-7.91	-0.009570	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-8.15	-0.009861	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	-8.07	-0.009764	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-6.52	-0.007889	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	-7.37	-0.008917	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	-7.87	-0.009522	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	-9.11	-0.011022	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	4.28	0.005117	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	-1.47	-0.001757	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	-2.75	-0.003288	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	3.12	0.003730	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	5.85	0.006993	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	1.97	0.002355	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	2.47	0.002953	±2.5	PASS

Band5	5MHz	16QAM	20525	25RB#0	NV	40	-2.35	-0.002809	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	3.72	0.004447	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	-6.35	-0.007501	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	-9.21	-0.010880	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	-8.23	-0.009722	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	-7.07	-0.008352	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	-7.42	-0.008766	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	-8.31	-0.009817	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	-8.00	-0.009451	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	-10.87	-0.012841	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	-8.80	-0.010396	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	5.19	0.006261	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	7.60	0.009168	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	6.65	0.008022	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	6.84	0.008251	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	6.71	0.008094	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	6.35	0.007660	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	6.58	0.007937	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	7.40	0.008926	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	5.78	0.006972	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	7.35	0.008787	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	7.30	0.008727	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	6.81	0.008141	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	7.07	0.008452	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	5.85	0.006993	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	7.88	0.009420	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	7.14	0.008536	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	6.21	0.007424	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	5.72	0.006838	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	-6.08	-0.007204	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	7.28	0.008626	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	7.75	0.009182	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	6.01	0.007121	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	7.51	0.008898	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	6.24	0.007393	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	6.82	0.008081	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	7.07	0.008377	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	7.44	0.008815	±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

