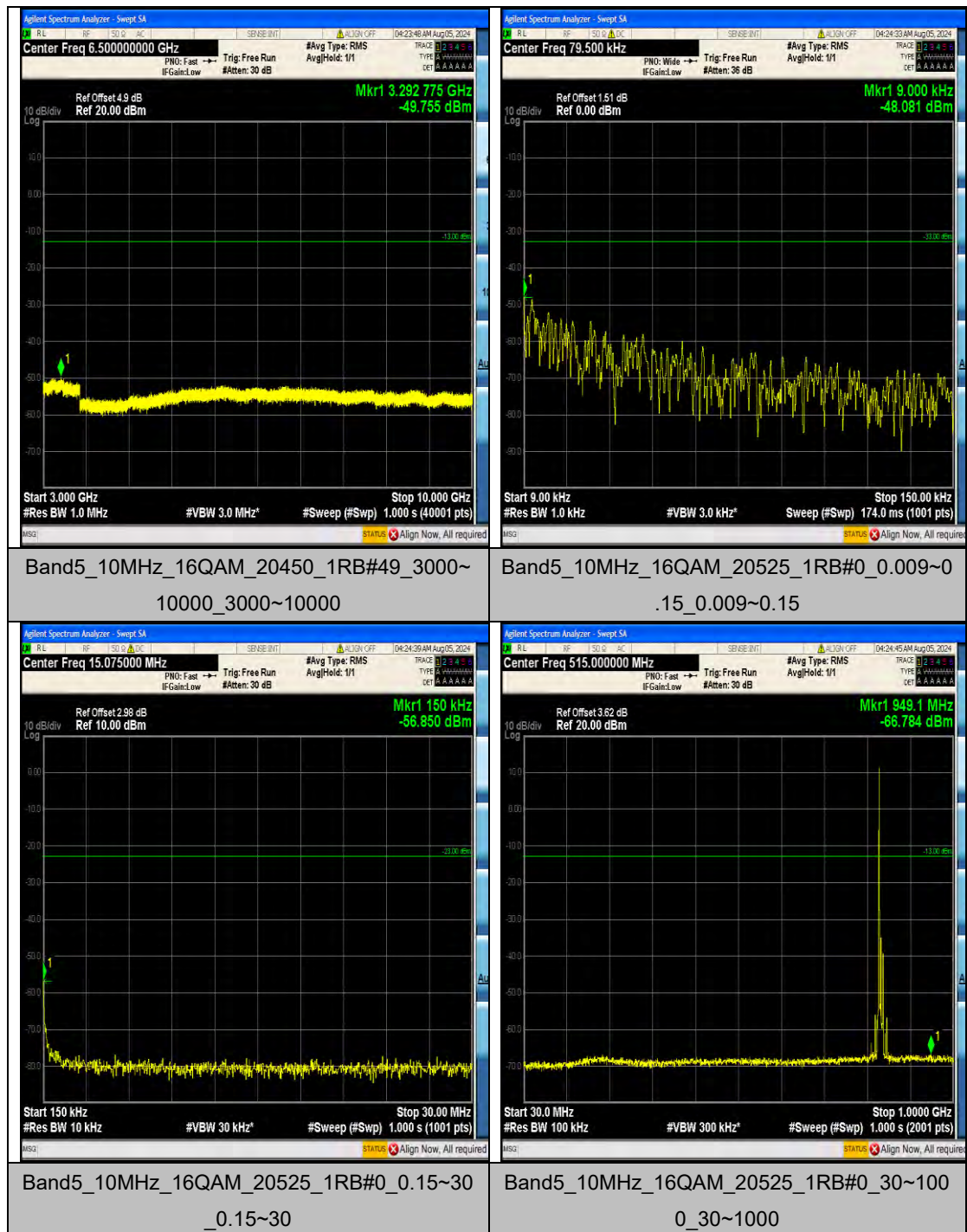
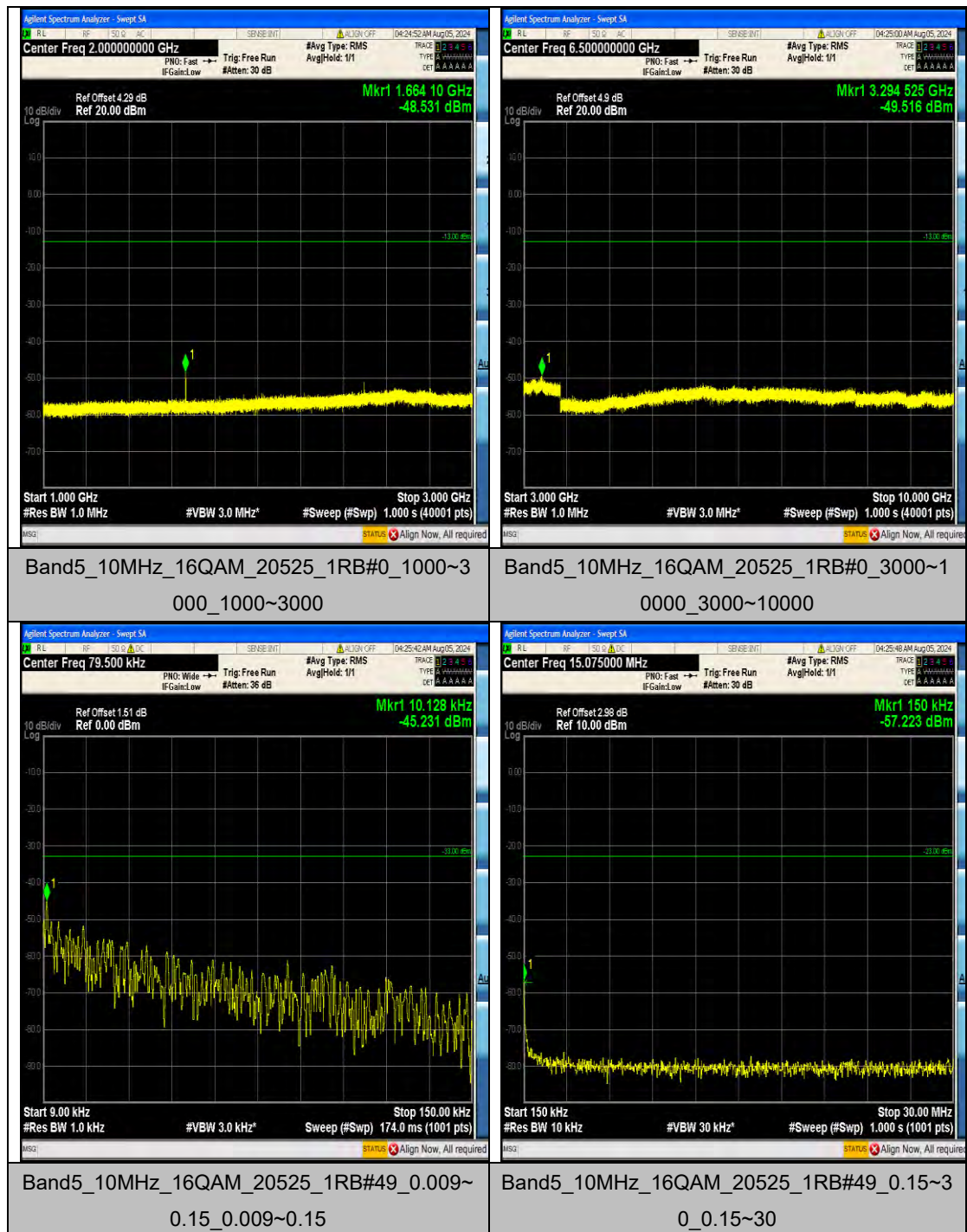
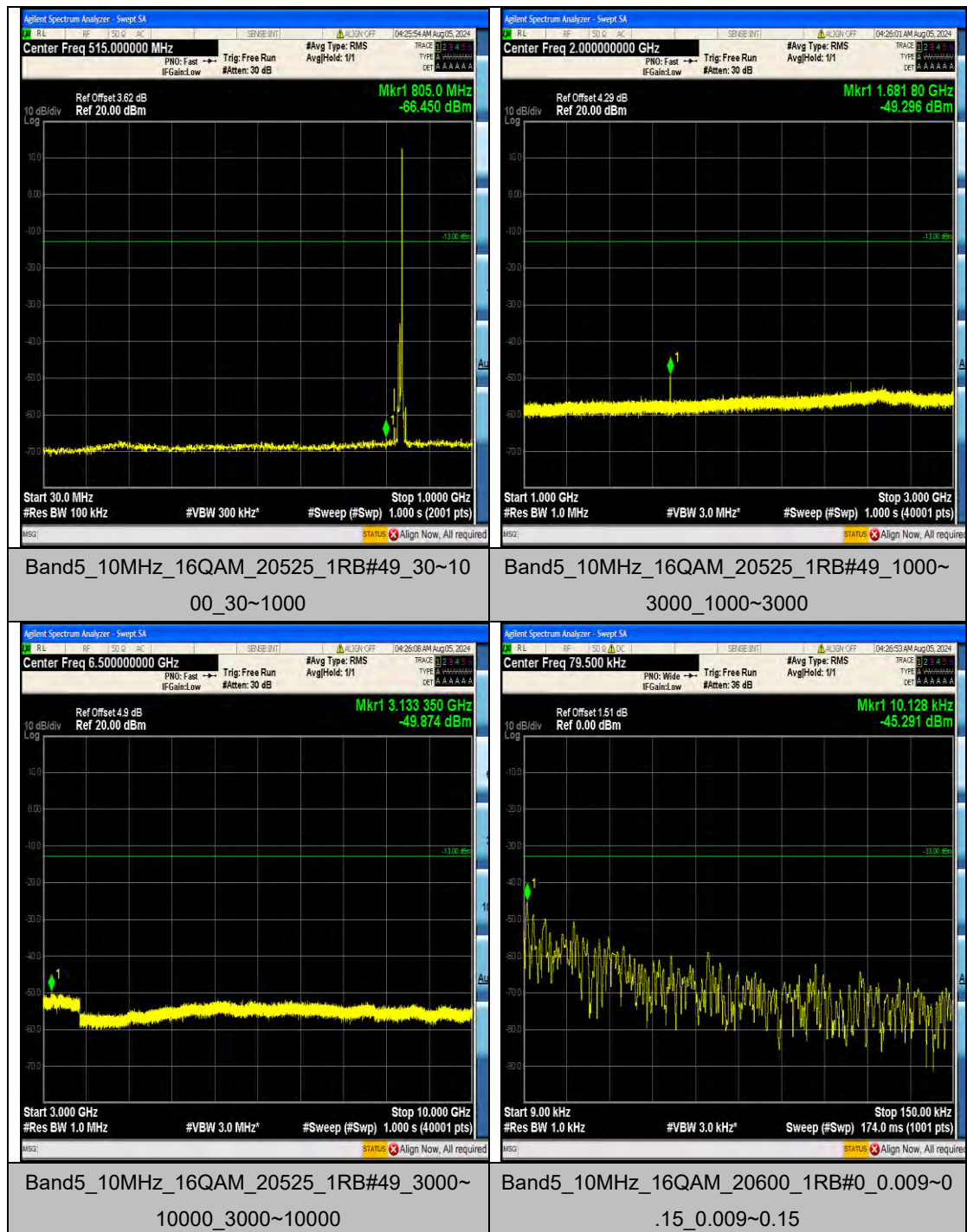
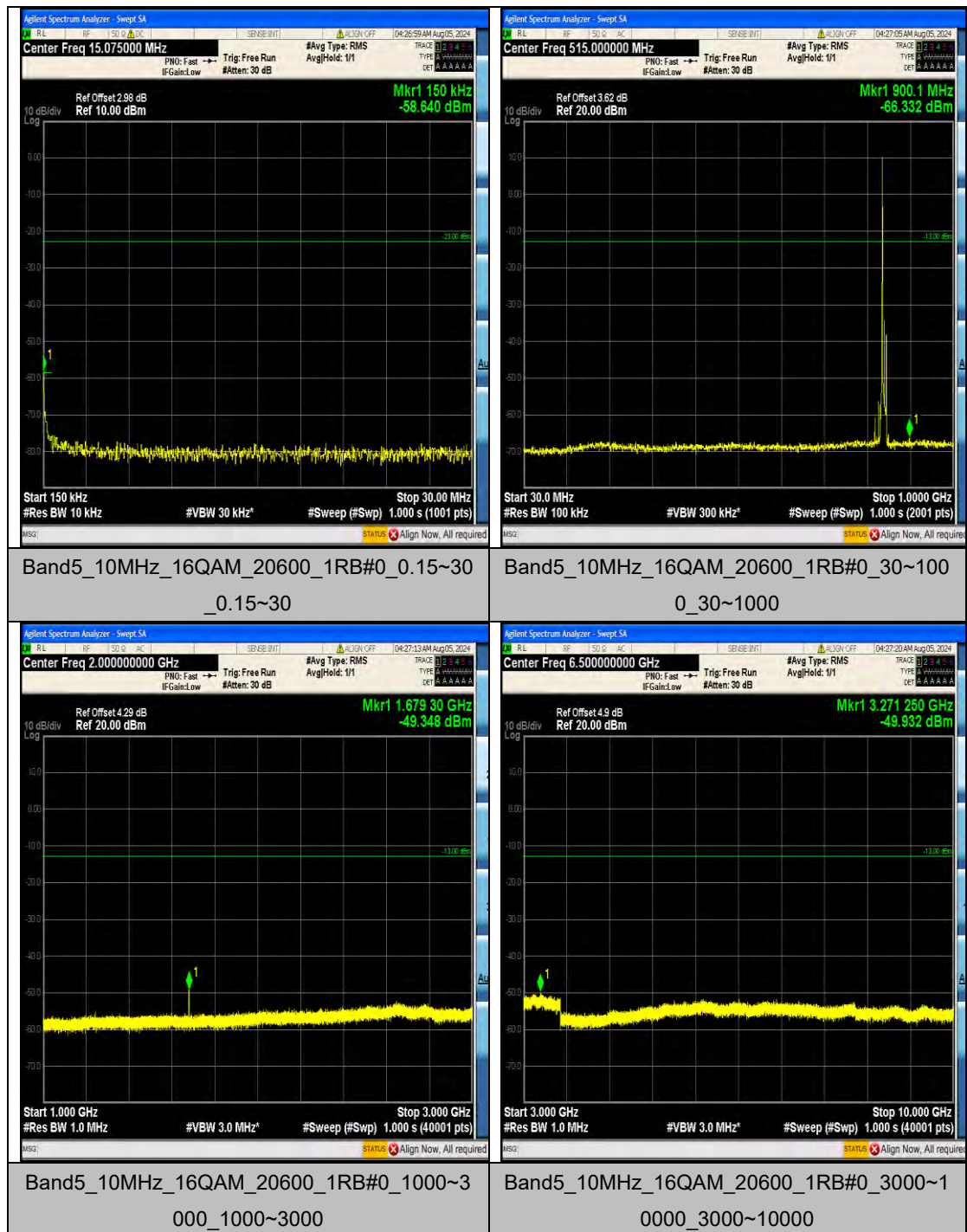
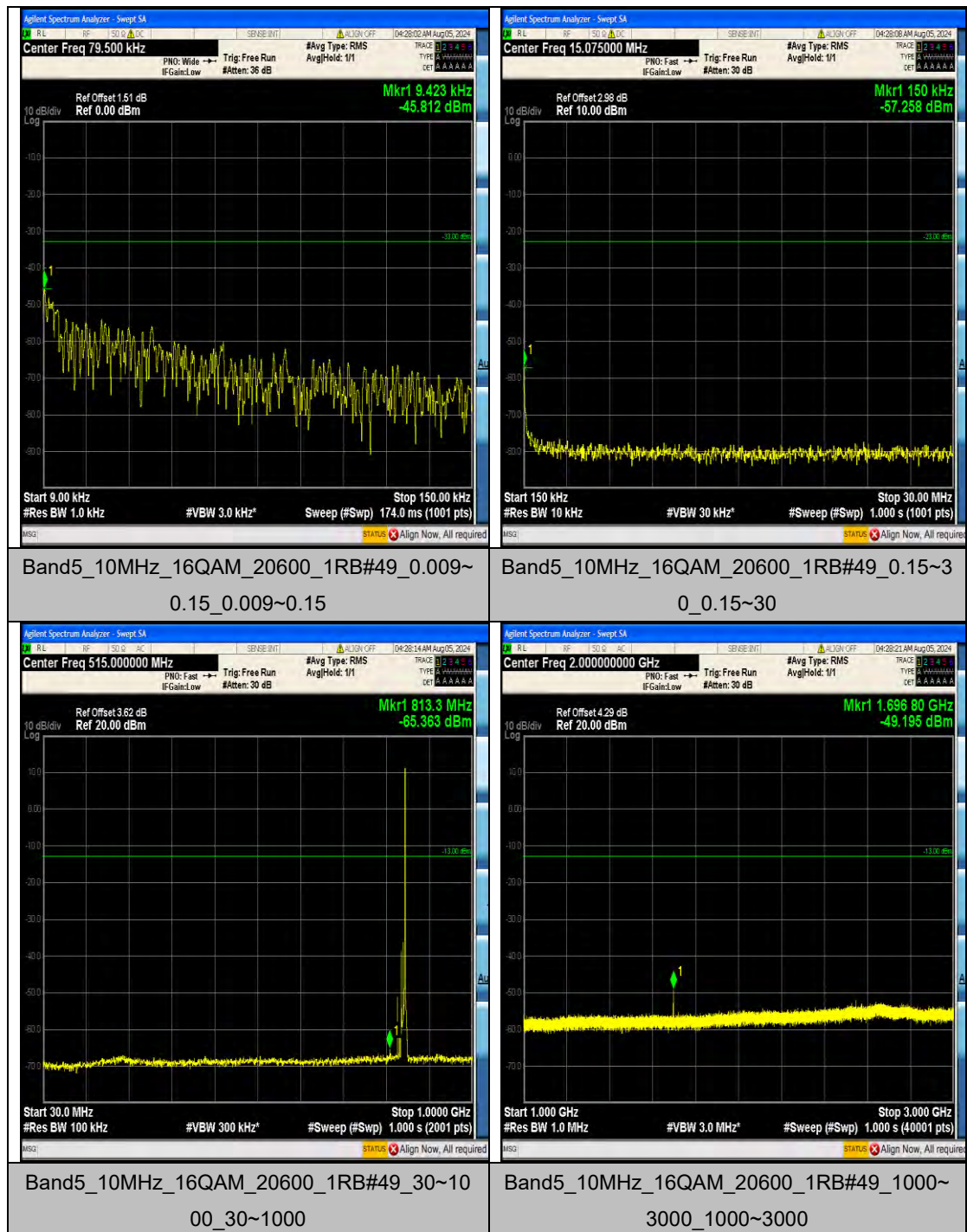


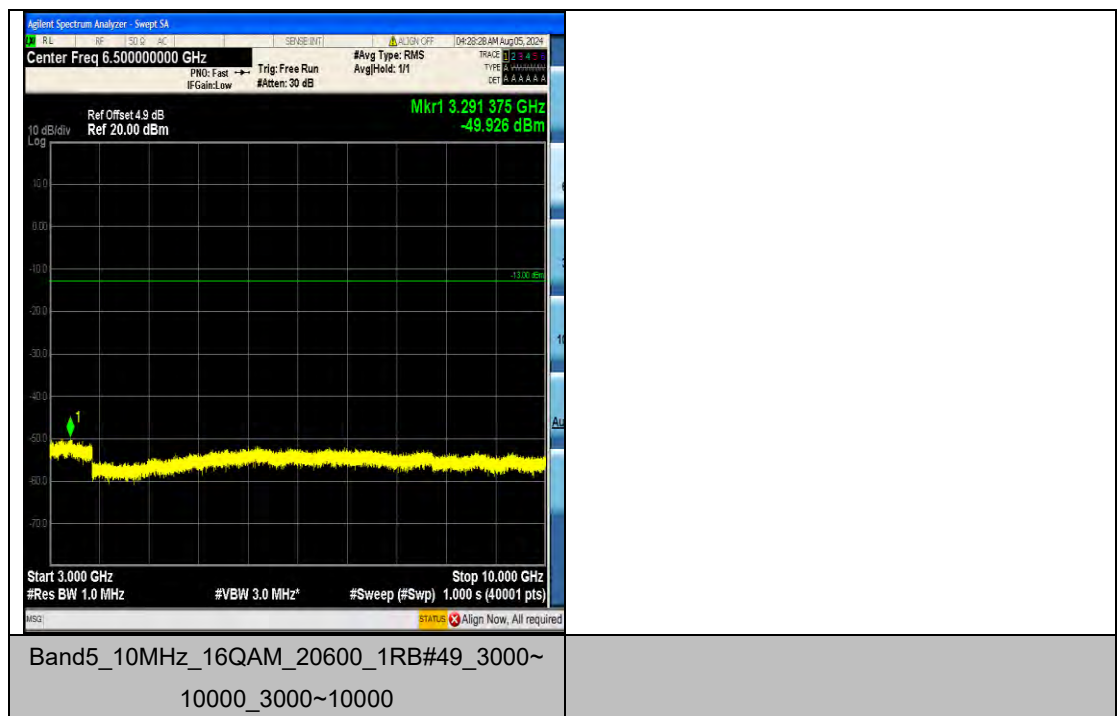












Appendix F: Frequency Stability

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	-9.77	-0.011847	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-6.47	-0.007845	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	-4.49	-0.005444	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-3.66	-0.004438	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-4.95	-0.006002	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-3.05	-0.003698	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	-3.69	-0.004474	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	-5.38	-0.006524	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	-30.53	-0.037020	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-4.98	-0.005953	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-4.94	-0.005906	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	-4.42	-0.005284	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-3.36	-0.004017	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-4.25	-0.005081	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-4.05	-0.004842	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	-3.29	-0.003933	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	-3.99	-0.004770	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-4.13	-0.004937	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-8.17	-0.009631	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-7.17	-0.008452	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	-5.98	-0.007049	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-5.06	-0.005965	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-3.68	-0.004338	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	-3.29	-0.003878	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	-5.54	-0.006531	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	-2.93	-0.003454	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	-3.86	-0.004550	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	-4.72	-0.005723	±2.5	PASS

Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	-5.11	-0.006196	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	-3.92	-0.004753	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	16.55	0.020068	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-6.28	-0.007615	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	-3.81	-0.004620	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	-3.49	-0.004232	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	-2.37	-0.002874	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	3.91	0.004741	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	2.15	0.002570	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	3.19	0.003814	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	3.76	0.004495	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	-3.12	-0.003730	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	-4.95	-0.005918	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-2.89	-0.003455	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	-2.33	-0.002785	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	-1.79	-0.002140	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	-3.52	-0.004208	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-2.78	-0.003277	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-3.28	-0.003867	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	-2.36	-0.002782	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-2.17	-0.002558	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-4.15	-0.004892	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-2.75	-0.003242	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-3.55	-0.004185	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	-2.55	-0.003006	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	-4.08	-0.004810	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	3.46	0.004191	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	3.88	0.004700	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	4.62	0.005597	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	4.43	0.005366	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	3.99	0.004833	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	3.75	0.004543	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	5.52	0.006687	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	4.38	0.005306	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	3.45	0.004179	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	5.05	0.006037	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	4.51	0.005392	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	2.65	0.003168	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	2.75	0.003288	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	2.20	0.002630	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	4.43	0.005296	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	30	3.89	0.004650	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	2.89	0.003455	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	4.16	0.004973	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	2.42	0.002855	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	-2.75	-0.003245	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	1.46	0.001723	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	-1.59	-0.001876	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	-1.39	-0.001640	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	3.69	0.004354	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	1.27	0.001499	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	4.21	0.004968	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	3.33	0.003929	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	3.98	0.004821	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	4.06	0.004918	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	3.30	0.003998	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	4.55	0.005512	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	3.26	0.003949	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	3.73	0.004518	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	3.12	0.003780	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	2.86	0.003465	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	2.57	0.003113	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	1.80	0.002152	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	3.02	0.003610	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	3.52	0.004208	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	3.13	0.003742	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	3.69	0.004411	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	2.39	0.002857	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	3.32	0.003969	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	2.57	0.003072	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	4.05	0.004842	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	2.80	0.003304	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	2.90	0.003422	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	3.91	0.004614	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	4.52	0.005333	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	4.59	0.005416	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	3.38	0.003988	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	2.93	0.003457	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	3.40	0.004012	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	2.29	0.002702	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	2.45	0.002964	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	-1.49	-0.001803	±2.5	PASS

Band5	5MHz	QPSK	20425	25RB#0	NV	-10	1.30	0.001573	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	3.06	0.003702	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	1.89	0.002287	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	1.20	0.001452	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	-2.52	-0.003049	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	1.83	0.002214	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	-2.68	-0.003243	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	4.98	0.005953	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	-5.42	-0.006479	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	2.47	0.002953	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	2.90	0.003467	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	1.90	0.002271	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	1.82	0.002176	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	4.09	0.004889	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	1.30	0.001554	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	5.48	0.006551	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	1.87	0.002209	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	3.93	0.004643	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	4.11	0.004855	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	4.58	0.005411	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	4.02	0.004749	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	4.68	0.005529	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	5.25	0.006202	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	4.03	0.004761	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	5.22	0.006167	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-2.13	-0.002577	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-1.95	-0.002359	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	-1.86	-0.002250	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-2.50	-0.003025	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	2.75	0.003327	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	2.90	0.003509	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	-2.02	-0.002444	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	2.53	0.003061	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	-2.16	-0.002613	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	3.33	0.003981	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	3.55	0.004244	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	4.15	0.004961	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	5.45	0.006515	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	4.01	0.004794	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	4.23	0.005057	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	4.12	0.004925	±2.5	PASS

Band5	5MHz	16QAM	20525	25RB#0	NV	40	5.06	0.006049	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	5.22	0.006240	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	6.05	0.007147	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	4.59	0.005422	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	5.65	0.006675	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	5.15	0.006084	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	2.76	0.003260	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	20	3.38	0.003993	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	4.22	0.004985	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	3.45	0.004076	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	2.43	0.002871	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	2.16	0.002606	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	2.60	0.003136	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	2.86	0.003450	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	2.86	0.003450	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	1.29	0.001556	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	0.99	0.001194	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	2.76	0.003329	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	2.47	0.002979	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	2.50	0.003016	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	3.02	0.003610	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	2.20	0.002630	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	2.46	0.002941	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	1.92	0.002295	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	2.75	0.003288	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	1.96	0.002343	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	2.46	0.002941	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	2.60	0.003108	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	3.43	0.004100	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	2.90	0.003436	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	-1.87	-0.002216	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	1.99	0.002358	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	-1.86	-0.002204	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	2.90	0.003436	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	2.46	0.002915	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	2.07	0.002453	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	2.30	0.002725	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	2.47	0.002927	±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

