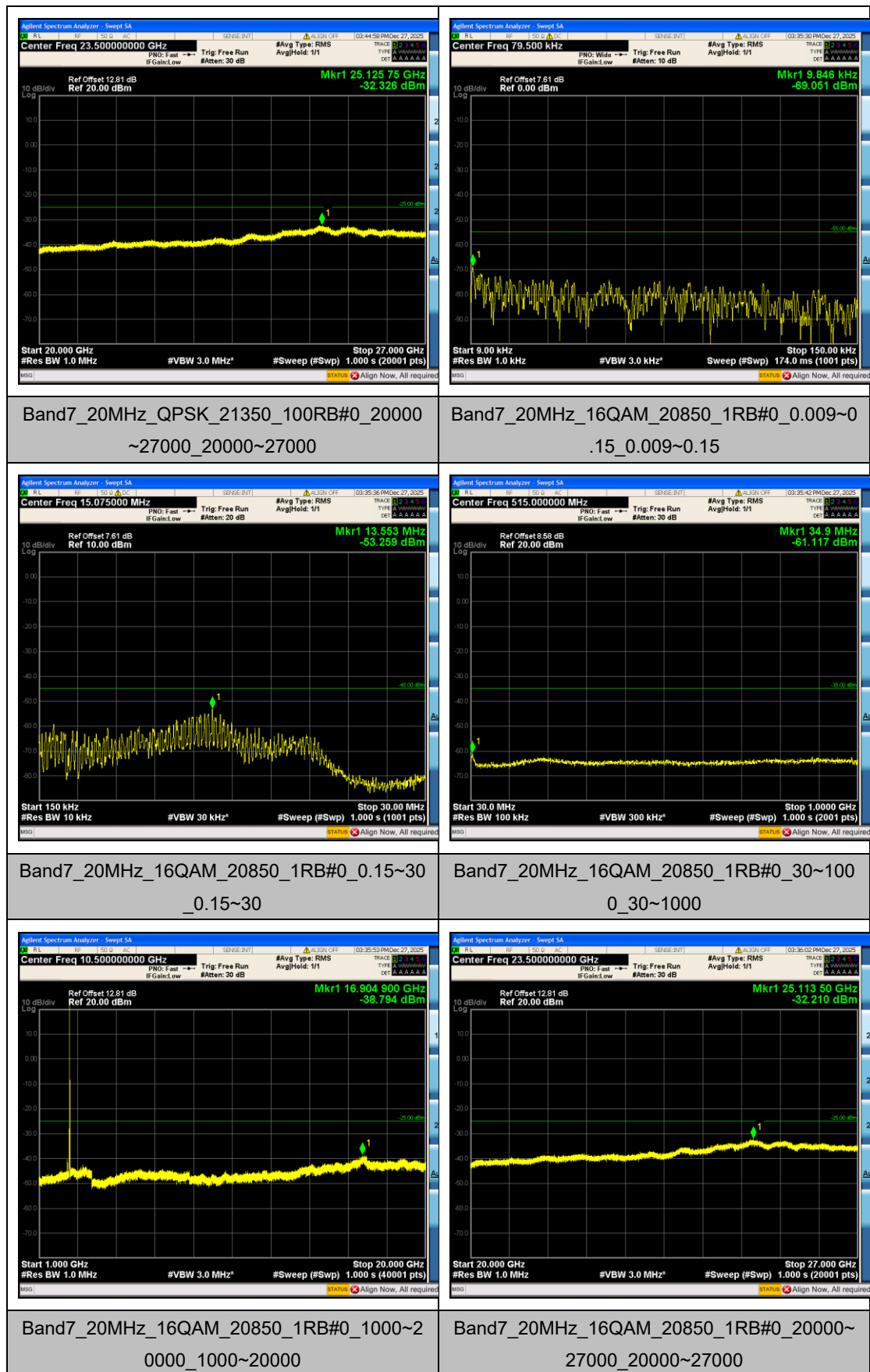
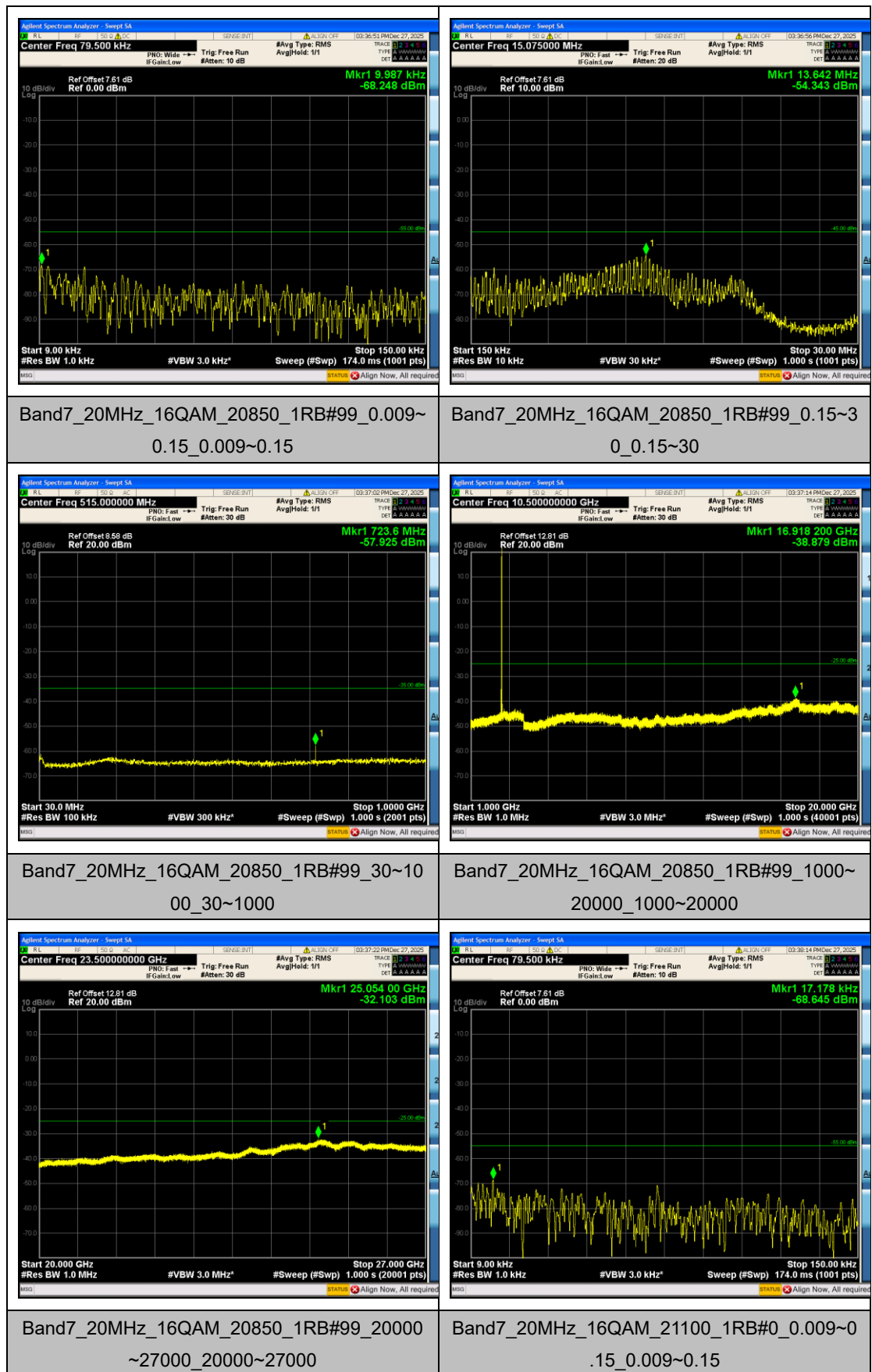
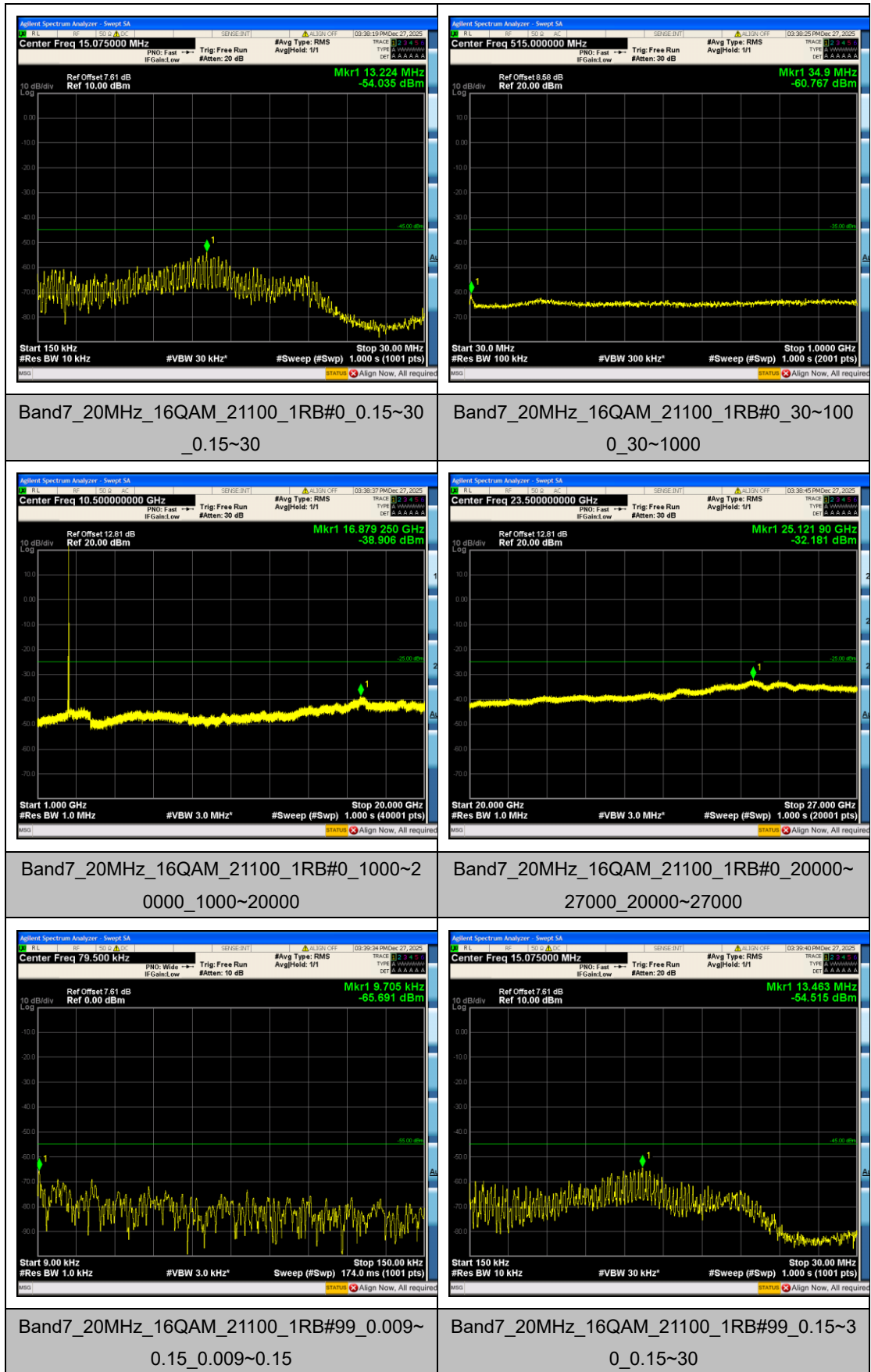
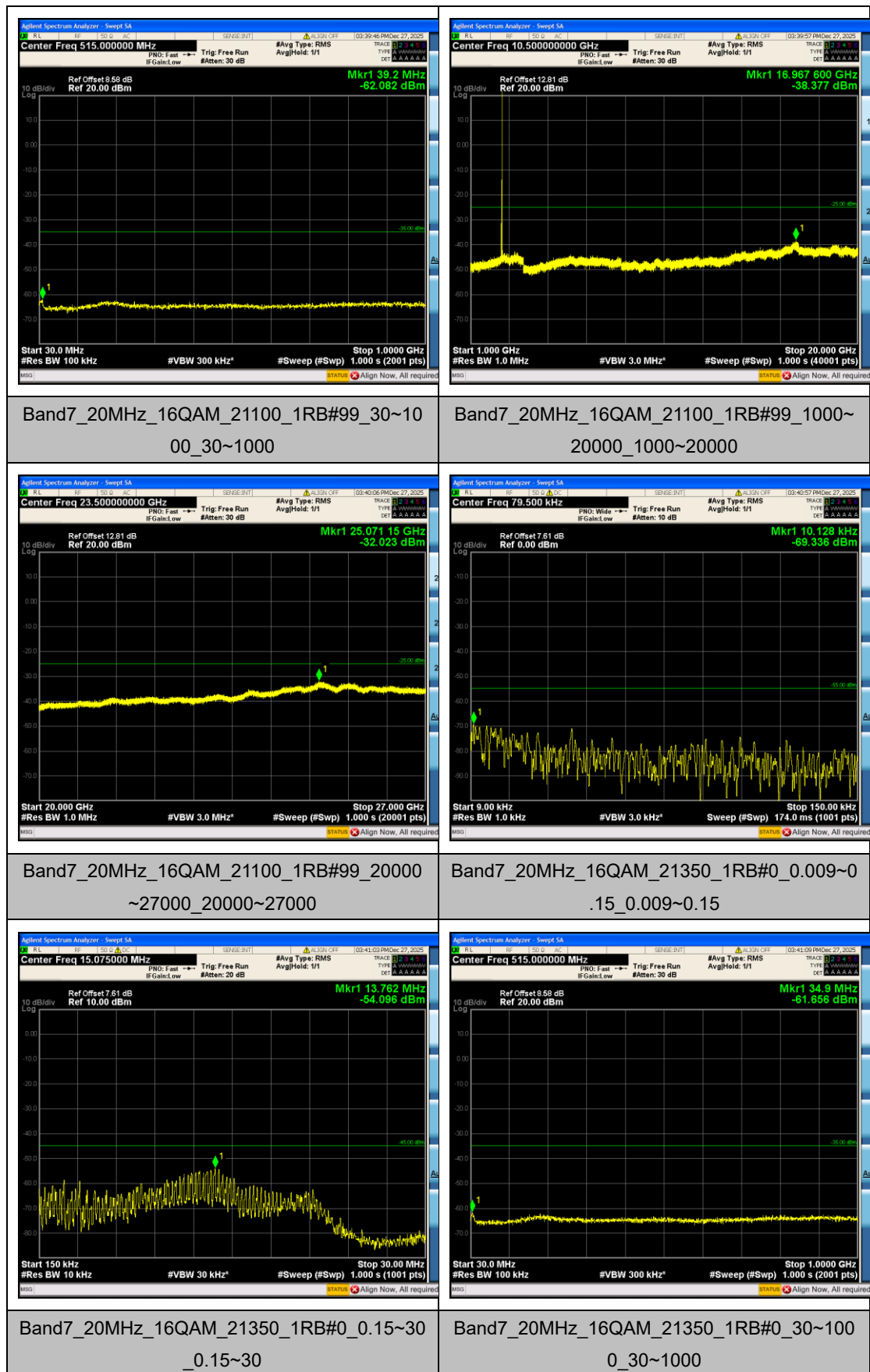
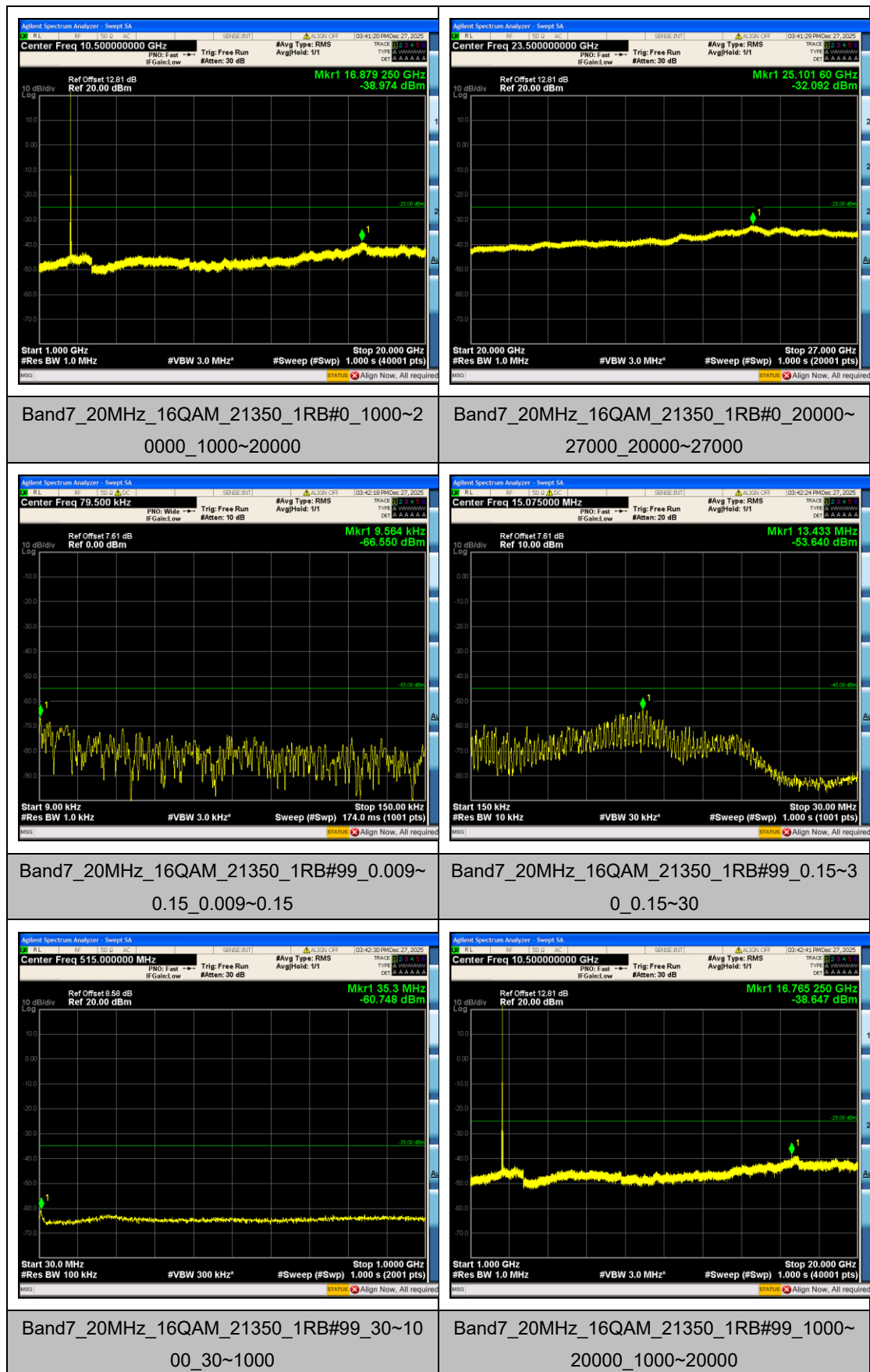


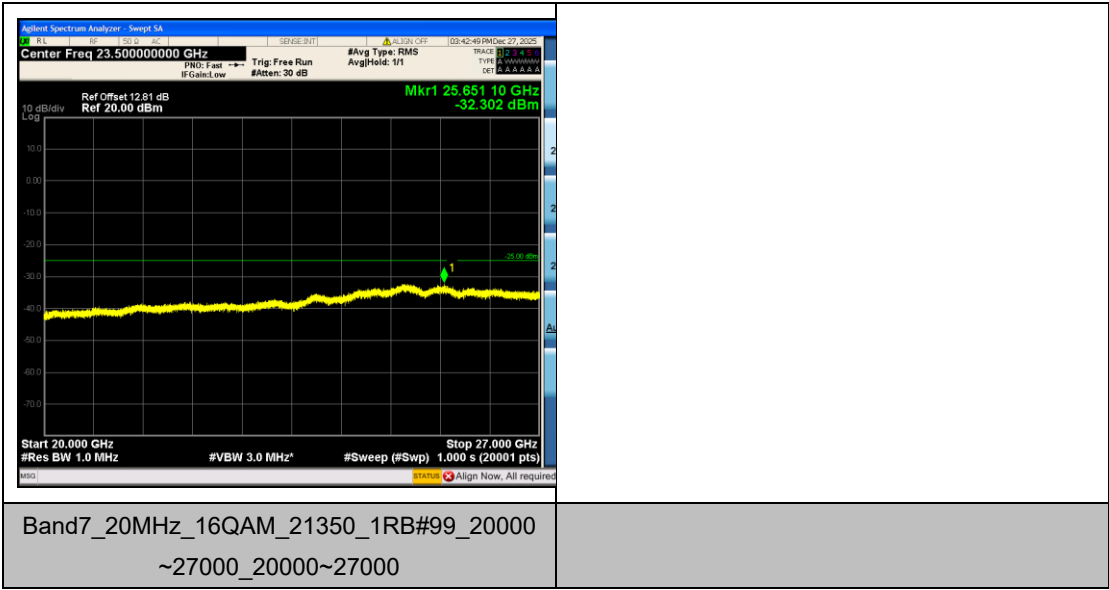












Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	-8.33	-0.003329	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	13.83	0.005526	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-10	6.55	0.002617	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	8.77	0.003504	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	10.56	0.004220	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	11.59	0.004631	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	30	6.79	0.002713	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	40	5.64	0.002254	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	50	6.88	0.002749	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-6.27	-0.002473	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	-7.27	-0.002868	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-10	-8.55	-0.003373	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	-9.76	-0.003850	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	-8.93	-0.003523	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-3.73	-0.001471	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	30	-5.55	-0.002189	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	40	7.02	0.002769	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	50	-10.39	-0.004099	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	7.58	0.002952	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	5.68	0.002212	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-10	4.71	0.001834	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-5.85	-0.002278	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	10	-10.49	-0.004086	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-6.79	-0.002645	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	30	-6.38	-0.002485	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	40	5.68	0.002212	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	50	5.89	0.002294	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	8.53	0.003409	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	-3.68	-0.001471	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-10	6.90	0.002757	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	8.37	0.003345	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	14.56	0.005818	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	7.87	0.003145	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	30	12.90	0.005155	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	40	12.90	0.005155	±2.5	PASS

Band7	5MHz	16QAM	20775	25RB#0	NV	50	-2.62	-0.001047	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	6.97	0.002750	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	-3.96	-0.001562	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-10	-7.95	-0.003136	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	-6.39	-0.002521	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-8.15	-0.003215	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-6.62	-0.002611	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	30	-9.67	-0.003815	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	40	-8.94	-0.003527	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	50	-7.87	-0.003105	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	5.49	0.002138	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	5.09	0.001982	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-10	4.11	0.001601	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	4.72	0.001838	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	9.64	0.003755	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-4.15	-0.001616	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	30	5.61	0.002185	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	40	5.66	0.002204	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	50	9.27	0.003611	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	-9.31	-0.003717	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	-7.78	-0.003106	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-10	-7.21	-0.002878	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	-6.04	-0.002411	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	-6.94	-0.002770	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-8.71	-0.003477	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	30	-5.98	-0.002387	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	40	-4.89	-0.001952	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	50	-9.04	-0.003609	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	-10.30	-0.004063	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-8.58	-0.003385	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-10	3.92	0.001546	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	-6.38	-0.002517	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	-4.45	-0.001755	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-49.01	-0.019333	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	30	-4.99	-0.001968	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	40	-7.87	-0.003105	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	50	-9.20	-0.003629	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-8.43	-0.003287	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	-9.68	-0.003774	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-10	-12.03	-0.004690	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	3.16	0.001232	±2.5	PASS

Band7	10MHz	QPSK	21400	50RB#0	NV	10	-6.77	-0.002639	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	-8.11	-0.003162	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	30	-11.67	-0.004550	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	40	-10.37	-0.004043	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	50	-8.11	-0.003162	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	-8.31	-0.003314	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-35.29	-0.014074	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-10	-7.65	-0.003051	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	-5.98	-0.002385	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	10	7.34	0.002927	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	8.31	0.003314	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	30	-7.12	-0.002839	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	40	-6.37	-0.002540	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	50	6.61	0.002636	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-7.75	-0.003057	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	-8.47	-0.003341	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-10	-7.01	-0.002765	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-8.70	-0.003432	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-13.33	-0.005258	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-8.34	-0.003290	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	30	-6.90	-0.002722	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	40	-9.78	-0.003858	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	50	-7.95	-0.003136	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	3.96	0.001545	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-5.72	-0.002232	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-10	-6.37	-0.002486	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-6.27	-0.002447	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	3.73	0.001456	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	7.75	0.003024	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	30	5.82	0.002271	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	40	3.09	0.001206	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	50	7.35	0.002868	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	5.38	0.002143	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-7.22	-0.002876	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	8.67	0.003454	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-6.34	-0.002526	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	4.18	0.001665	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	6.18	0.002462	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	9.33	0.003717	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	7.77	0.003096	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	11.59	0.004618	±2.5	PASS

Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-4.95	-0.001953	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-7.05	-0.002781	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-8.08	-0.003187	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-5.82	-0.002296	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-9.53	-0.003759	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-7.94	-0.003132	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-8.70	-0.003432	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-9.80	-0.003866	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-8.11	-0.003199	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	7.12	0.002781	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	4.84	0.001891	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	7.02	0.002742	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	5.22	0.002039	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-5.01	-0.001957	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-5.52	-0.002156	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	5.87	0.002293	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-4.49	-0.001754	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-6.58	-0.002570	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band7	5MHz	QPSK	20775	25RB#0	PASS
Band7	5MHz	QPSK	21100	25RB#0	PASS
Band7	5MHz	QPSK	21425	25RB#0	PASS
Band7	5MHz	16QAM	20775	25RB#0	PASS
Band7	5MHz	16QAM	21100	25RB#0	PASS
Band7	5MHz	16QAM	21425	25RB#0	PASS
Band7	10MHz	QPSK	20800	50RB#0	PASS
Band7	10MHz	QPSK	21100	50RB#0	PASS
Band7	10MHz	QPSK	21400	50RB#0	PASS
Band7	10MHz	16QAM	20800	1RB#0	PASS
Band7	10MHz	16QAM	21100	1RB#0	PASS
Band7	10MHz	16QAM	21400	1RB#0	PASS
Band7	15MHz	QPSK	20825	75RB#0	PASS
Band7	15MHz	QPSK	21100	75RB#0	PASS
Band7	15MHz	QPSK	21375	75RB#0	PASS
Band7	15MHz	16QAM	20825	1RB#0	PASS
Band7	15MHz	16QAM	21100	1RB#0	PASS
Band7	15MHz	16QAM	21375	1RB#0	PASS
Band7	20MHz	QPSK	20850	100RB#0	PASS
Band7	20MHz	QPSK	21100	100RB#0	PASS
Band7	20MHz	QPSK	21350	100RB#0	PASS
Band7	20MHz	16QAM	20850	1RB#0	PASS
Band7	20MHz	16QAM	21100	1RB#0	PASS
Band7	20MHz	16QAM	21350	1RB#0	PASS

Test Graphs

