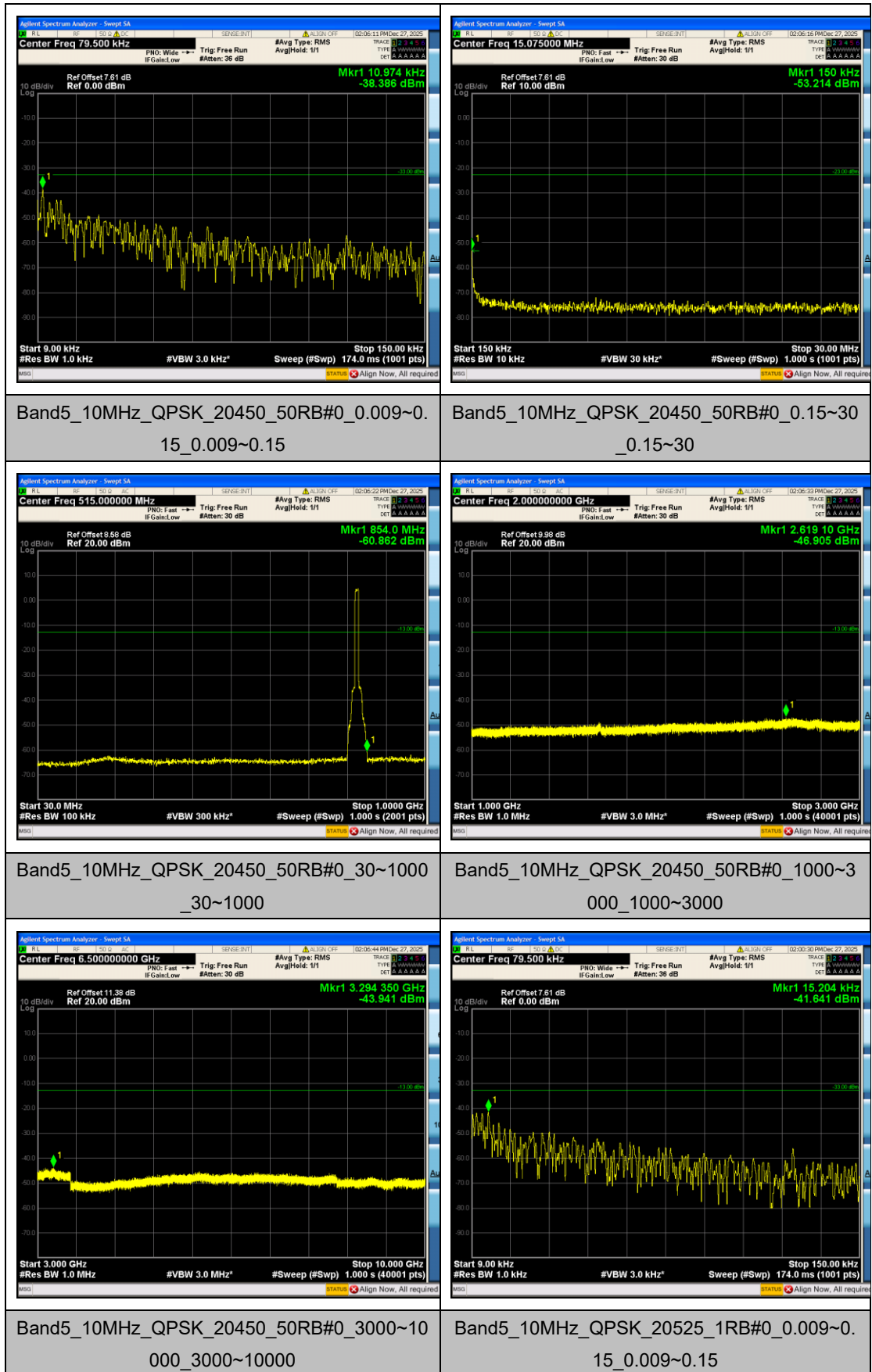
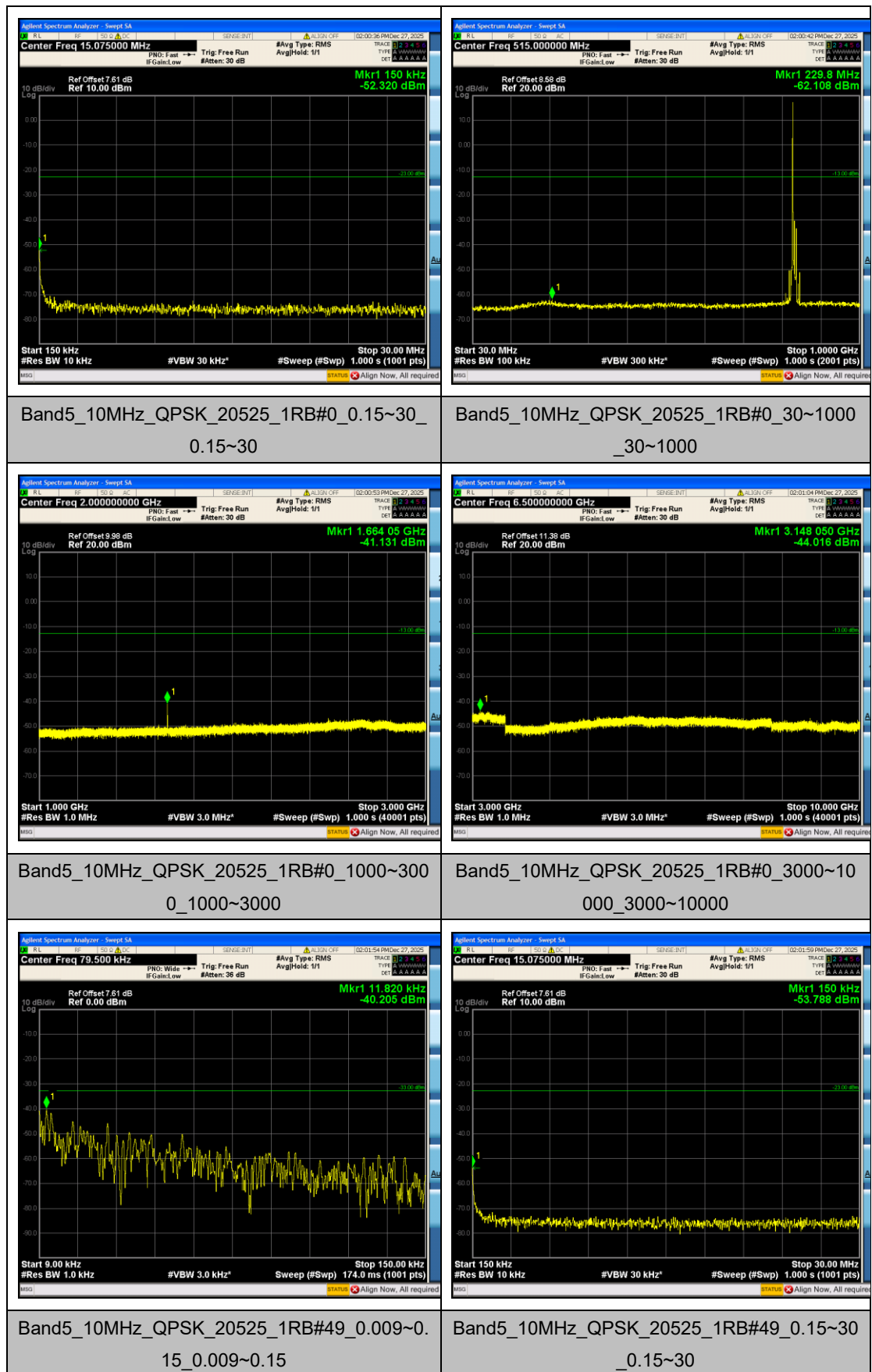
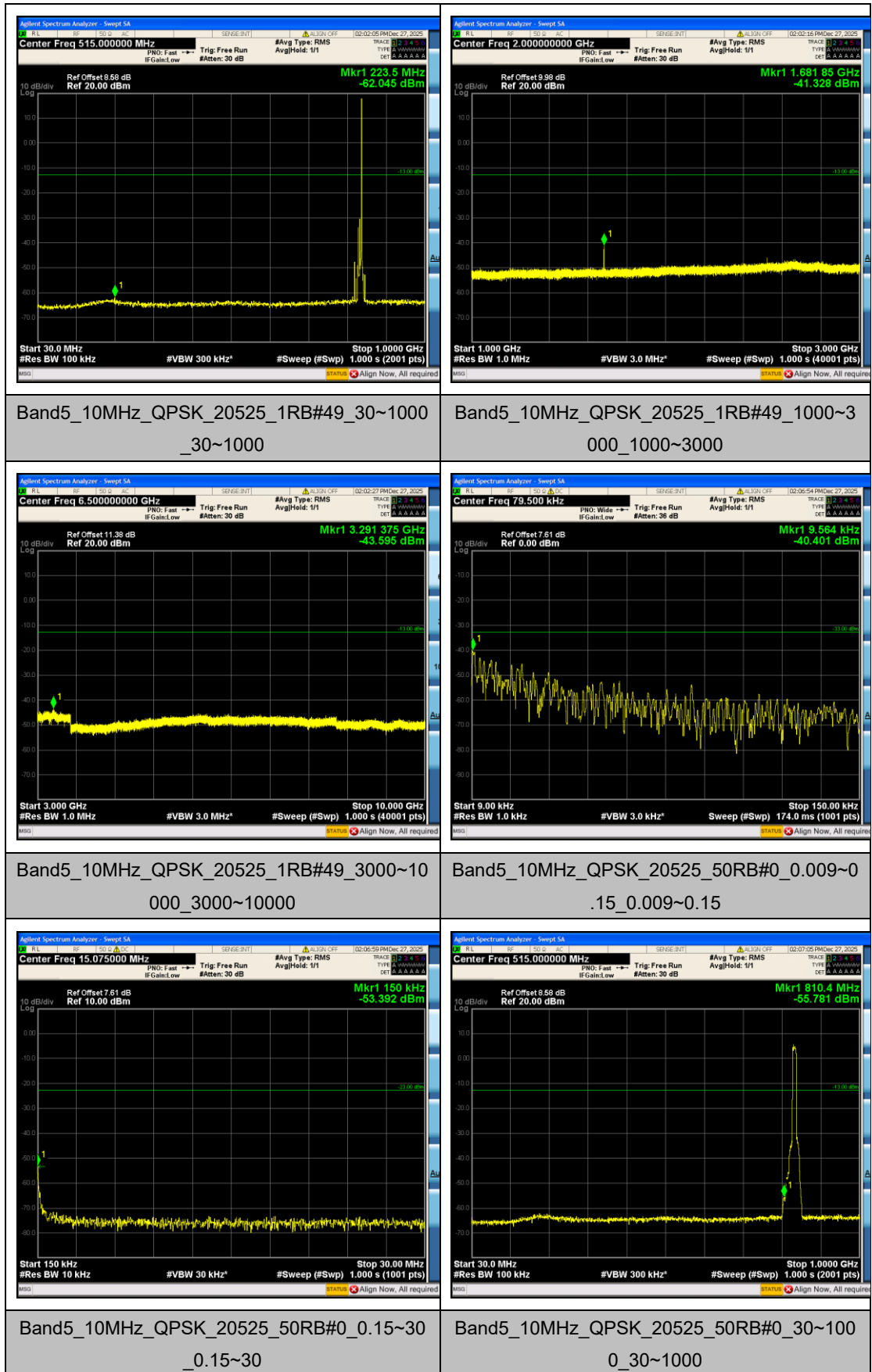
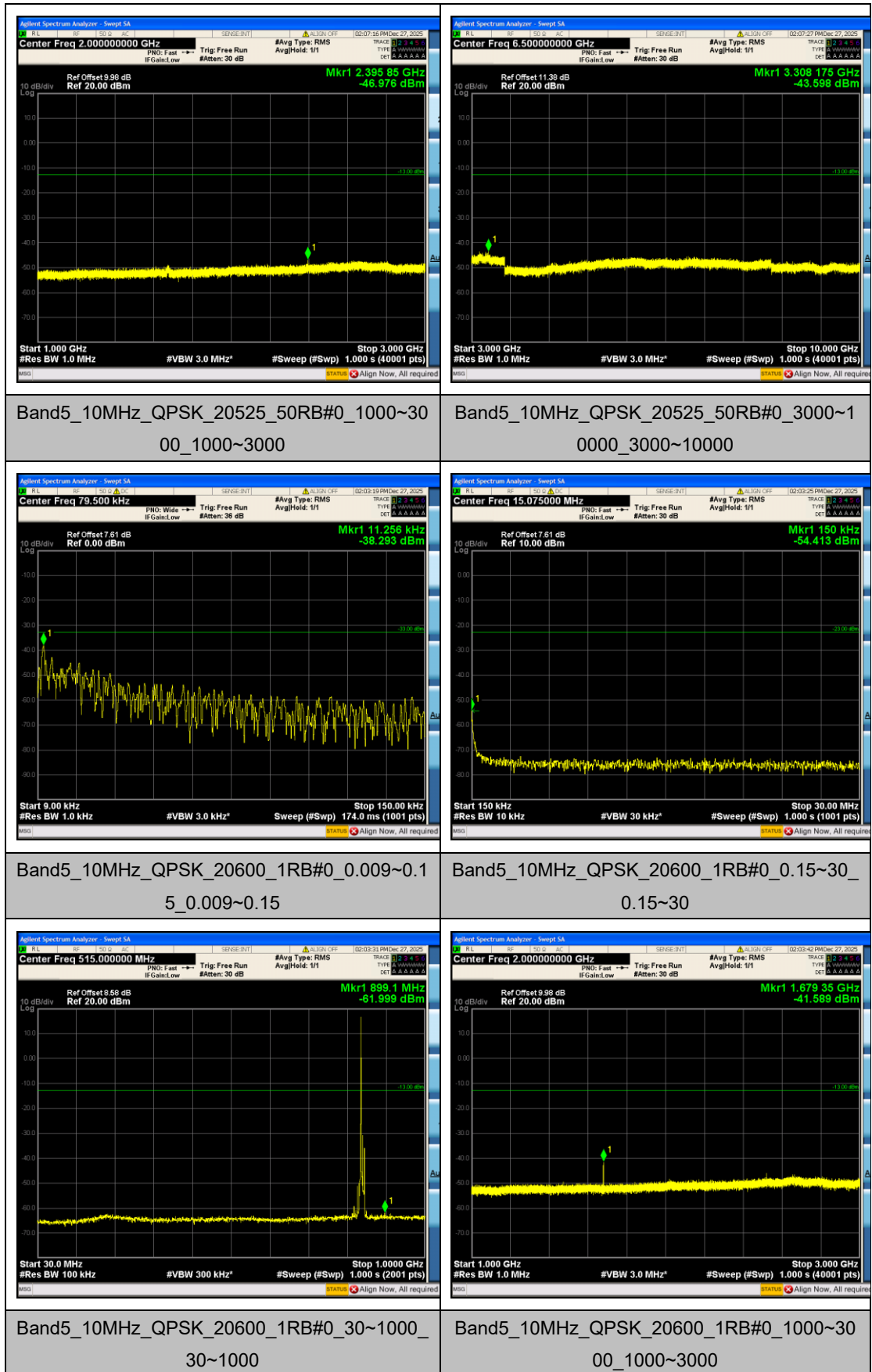
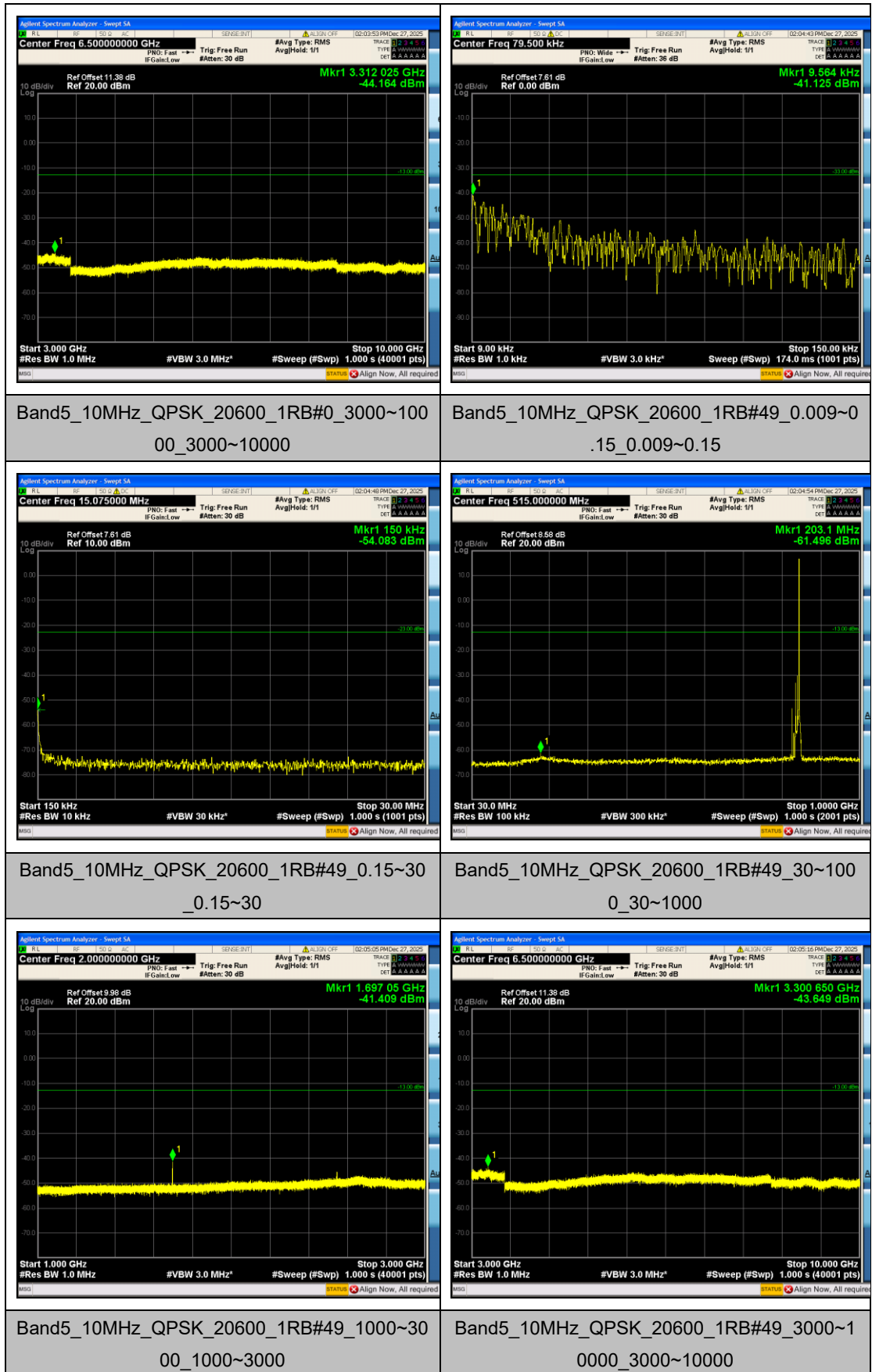


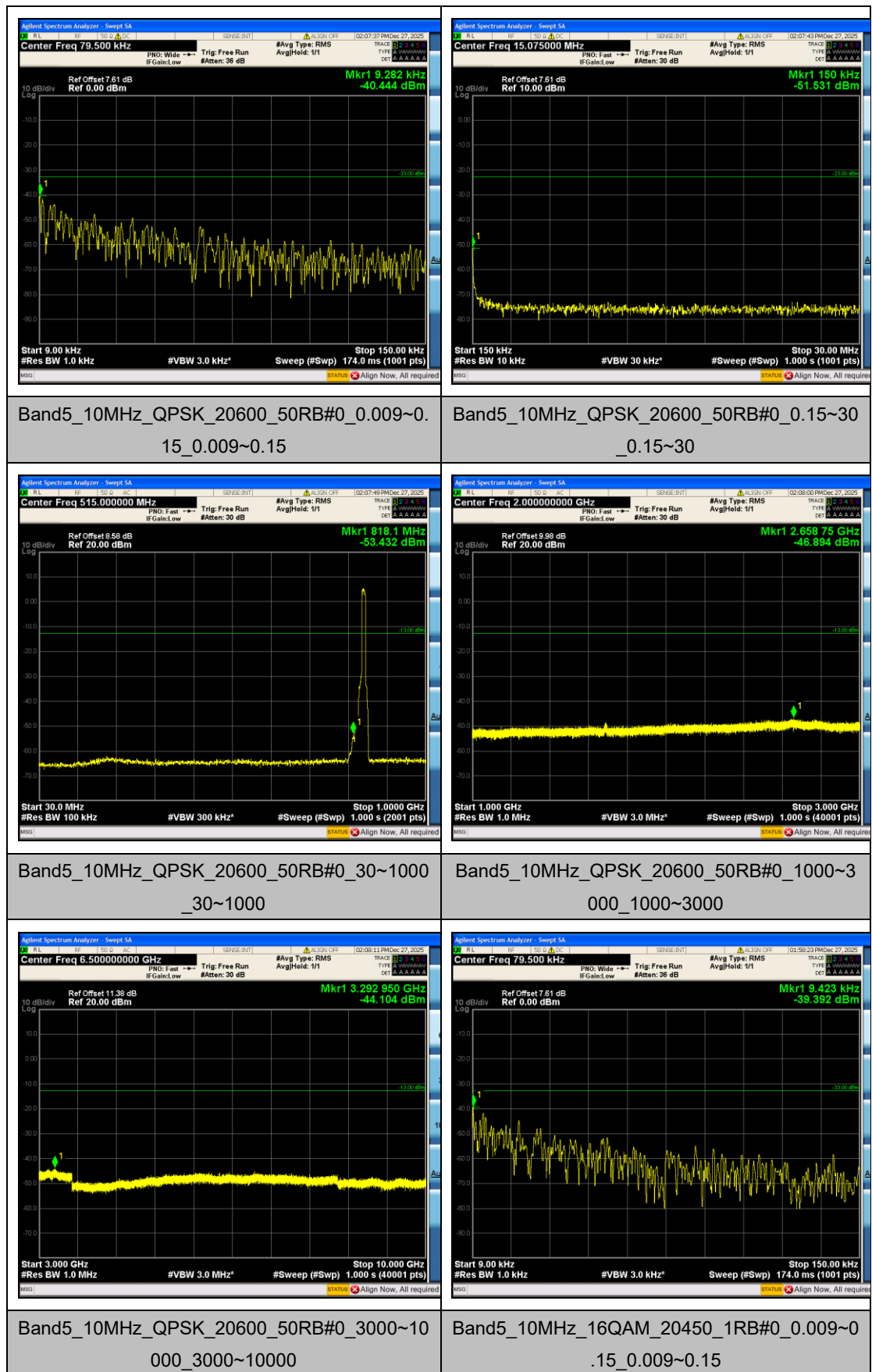


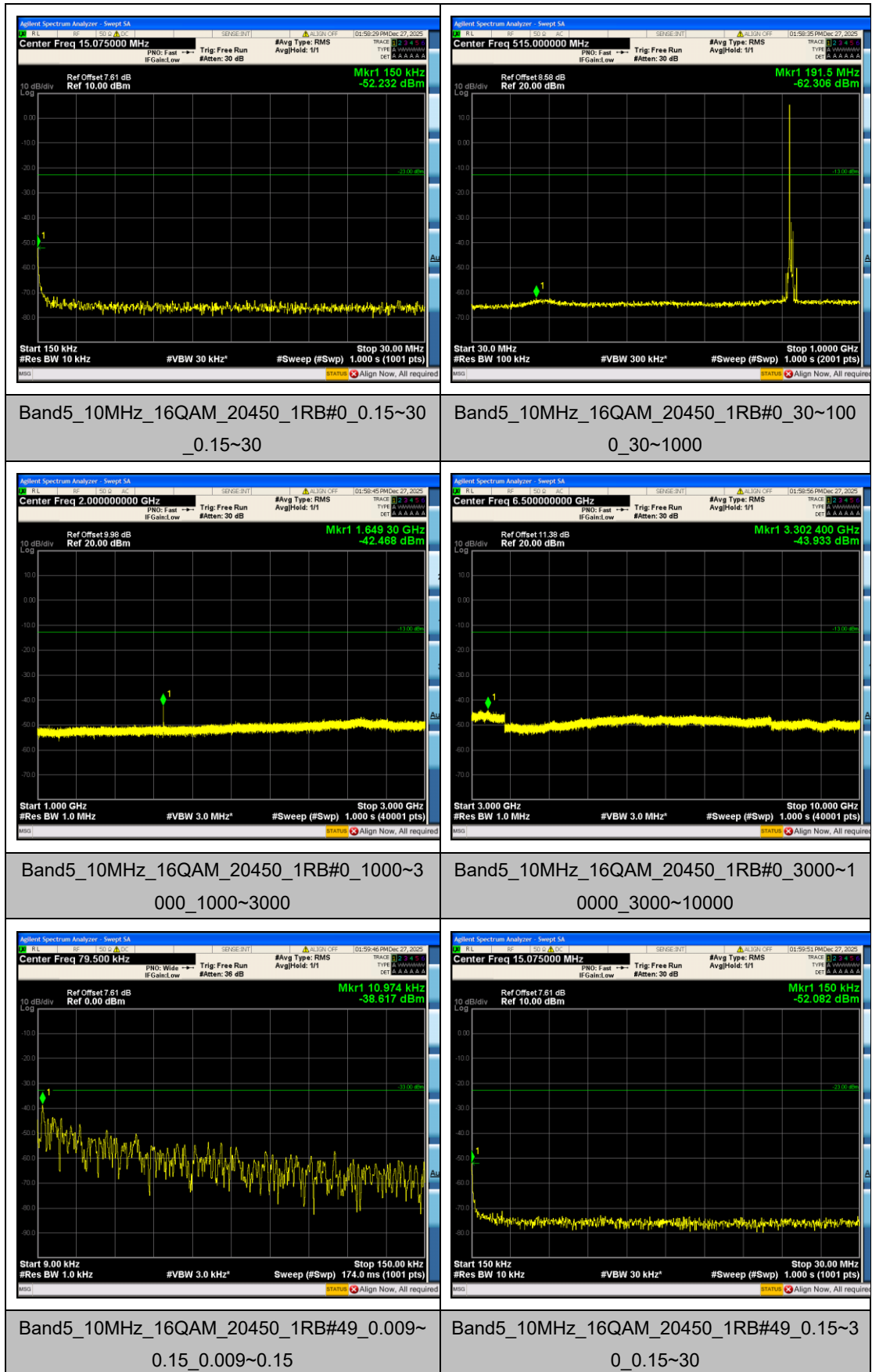


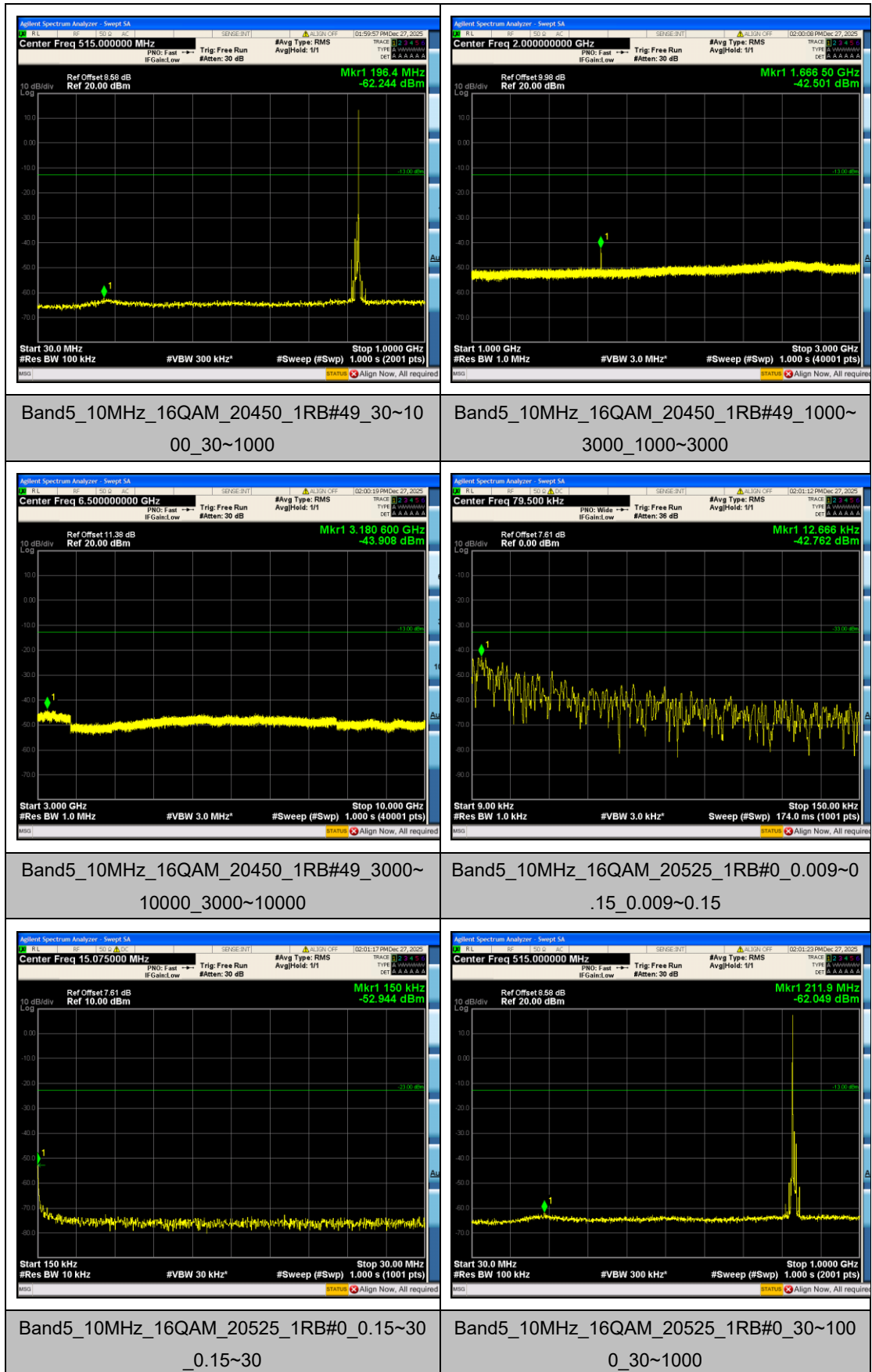


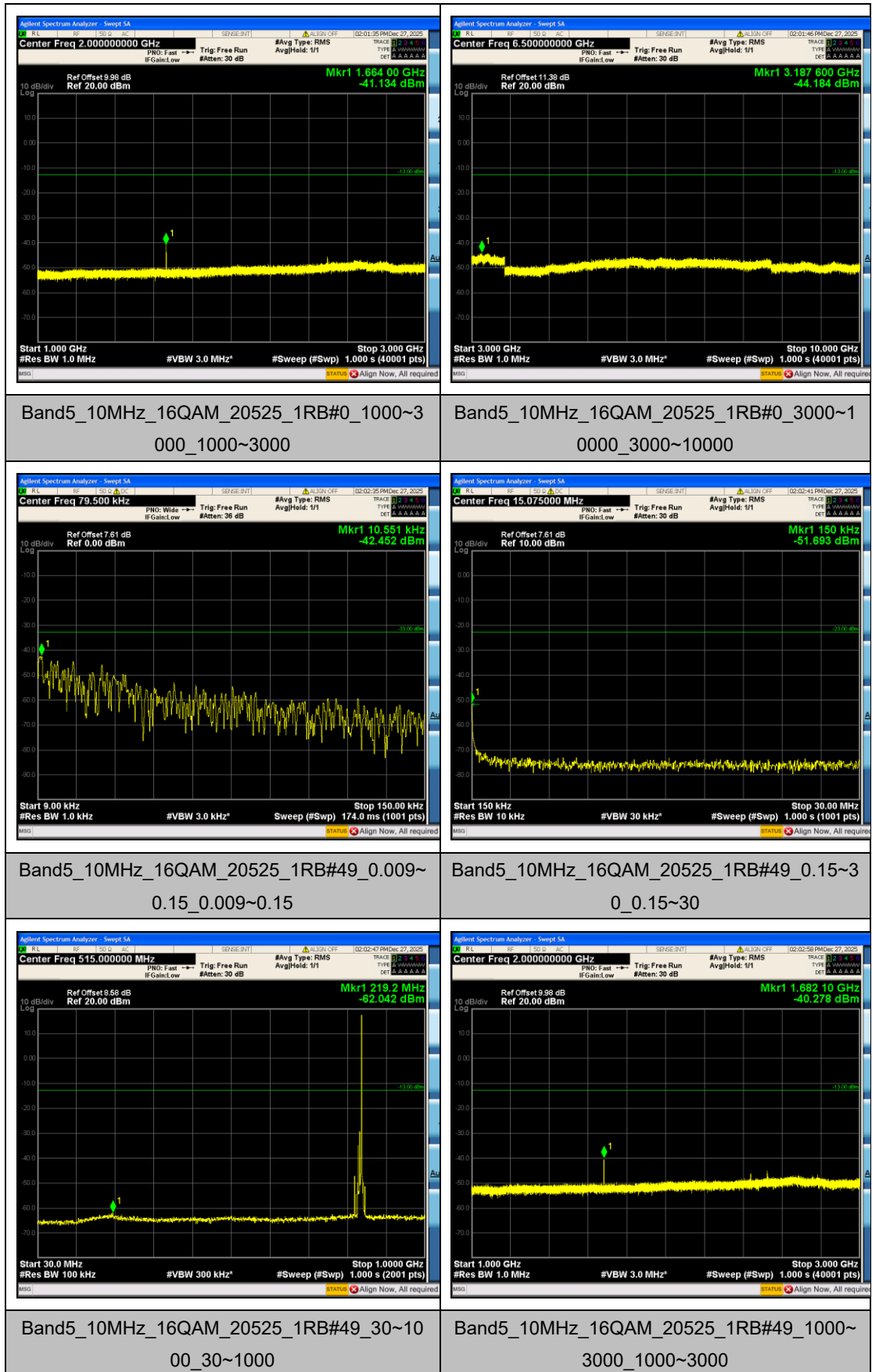


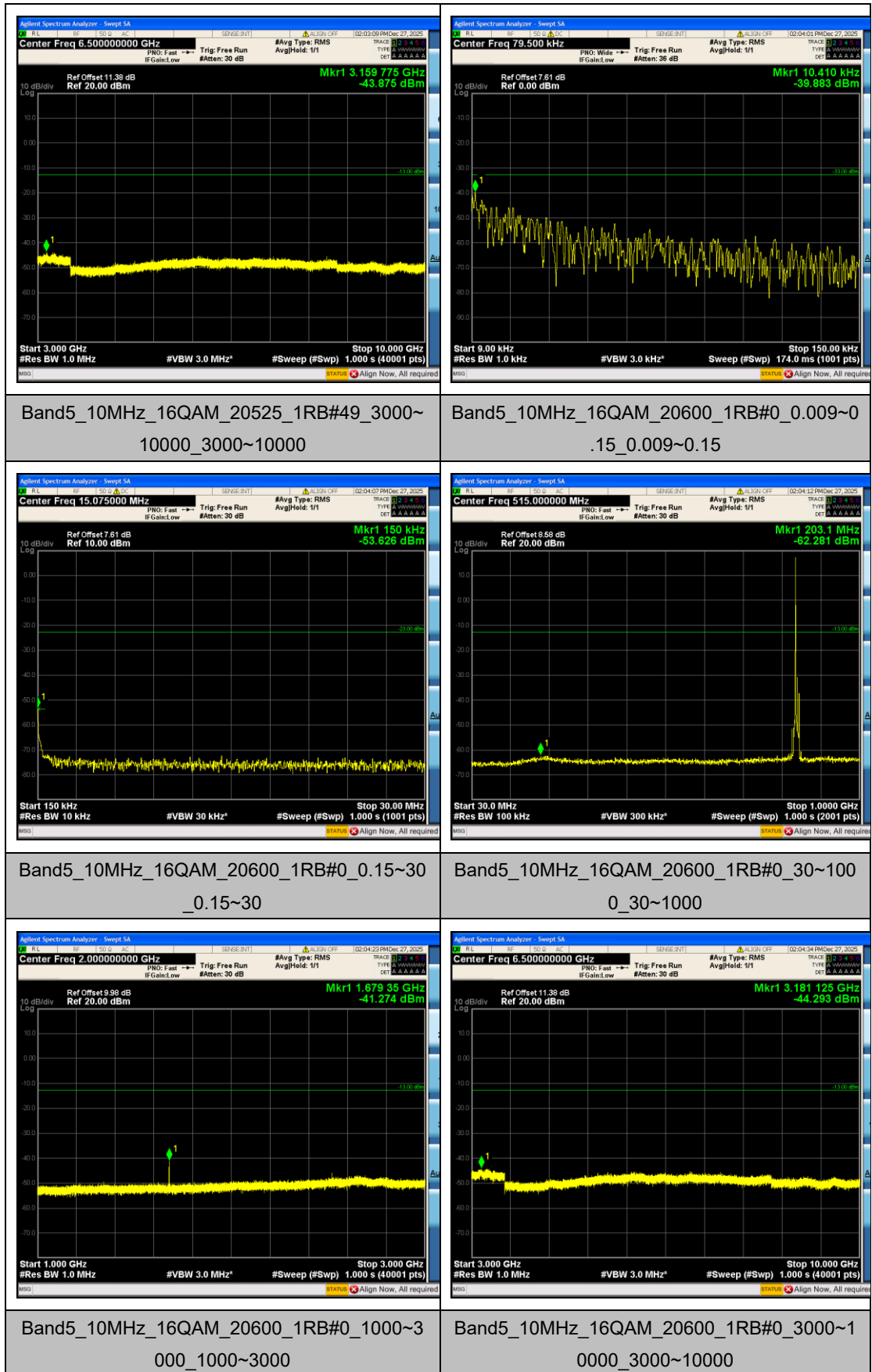


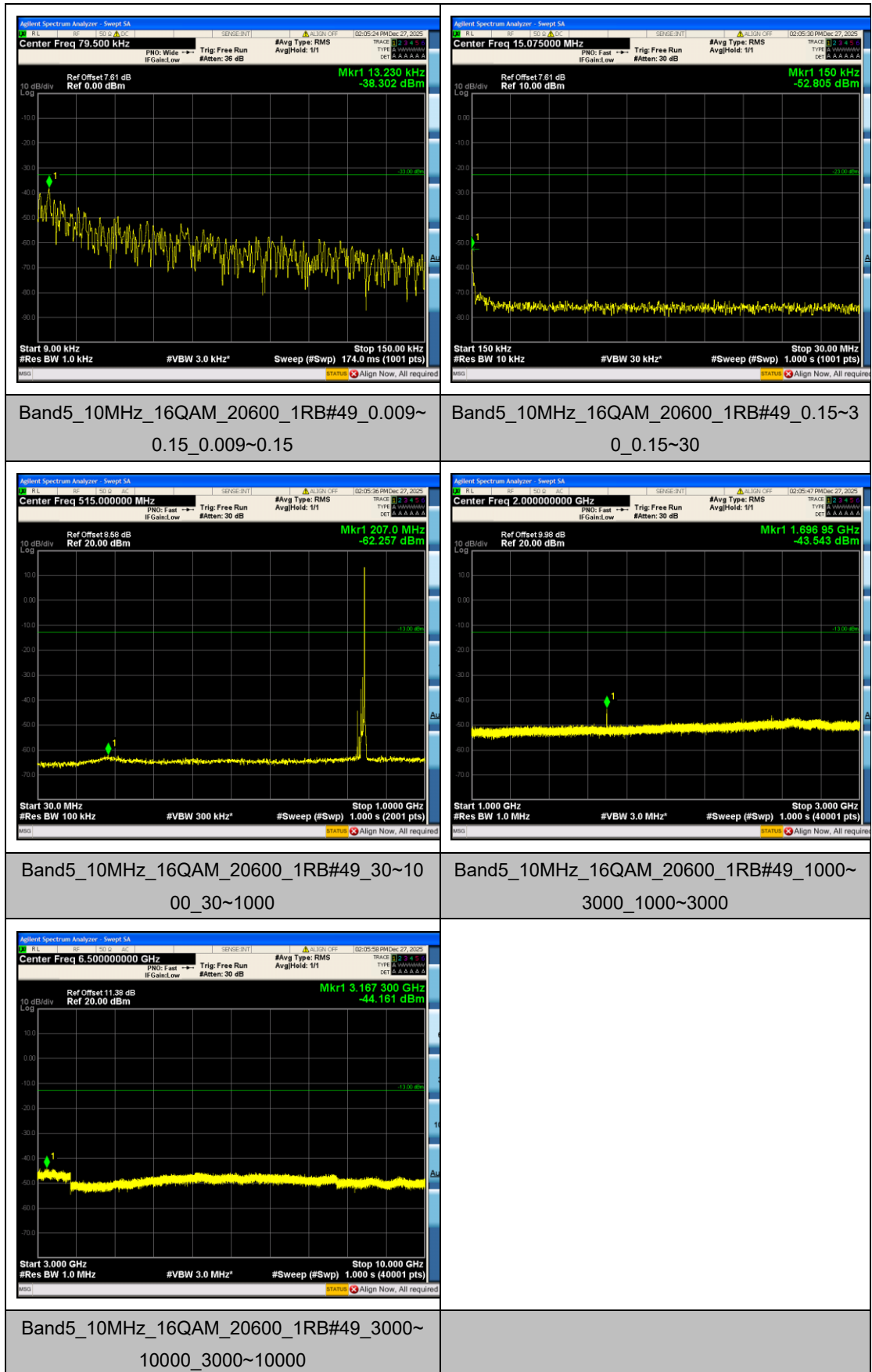












Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	Temperature						
				RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-30	-10.07	-0.012211	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	-8.11	-0.009834	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	-8.07	-0.009785	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	-8.15	-0.009882	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	-5.82	-0.007057	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	-6.82	-0.008270	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	-3.73	-0.004523	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	-6.52	-0.007906	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	-4.75	-0.005760	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-11.23	-0.013425	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-9.33	-0.011154	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	-6.72	-0.008033	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-5.66	-0.006766	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-4.05	-0.004842	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-3.32	-0.003969	±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	40	-3.95	-0.004722	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-4.31	-0.005152	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	-14.69	-0.017317	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	-7.87	-0.009277	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	-7.57	-0.008924	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	-7.02	-0.008275	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	-4.46	-0.005258	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	-3.12	-0.003678	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	-3.10	-0.003654	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	-2.17	-0.002558	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	-2.06	-0.002428	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	-1.85	-0.002243	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	-5.14	-0.006233	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	-1.87	-0.002267	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	-3.02	-0.003662	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	-4.66	-0.005651	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	4.46	0.005408	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	3.32	0.004026	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	3.13	0.003795	±2.5	PASS

Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	3.55	0.004305	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	-4.79	-0.005726	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	4.39	0.005248	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	-1.63	-0.001949	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	-4.96	-0.005929	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	-2.86	-0.003419	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	-4.11	-0.004913	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	-4.75	-0.005678	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	-3.33	-0.003981	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	-4.05	-0.004842	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	-3.50	-0.004126	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	-3.15	-0.003713	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	-2.52	-0.002971	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	-4.98	-0.005871	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	-2.40	-0.002829	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	-3.46	-0.004079	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	-3.96	-0.004668	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	2.68	0.003159	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	2.17	0.002558	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	4.96	0.006008	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	4.31	0.005221	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	1.66	0.002011	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	3.92	0.004749	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	3.45	0.004179	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	3.91	0.004737	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	4.43	0.005366	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	3.75	0.004543	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	3.58	0.004337	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	2.82	0.003371	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	2.68	0.003204	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	2.40	0.002869	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	3.05	0.003646	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	1.95	0.002331	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	3.46	0.004136	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	30	-1.87	-0.002236	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	3.35	0.004005	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	3.69	0.004411	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	-2.25	-0.002655	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	2.56	0.003021	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	2.33	0.002749	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	2.70	0.003186	±2.5	PASS

Band5	3MHz	QPSK	20635	15RB#0	NV	10	3.09	0.003646	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	2.73	0.003221	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	3.00	0.003540	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	2.30	0.002714	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	1.49	0.001758	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	4.02	0.004870	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	5.34	0.006469	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	4.48	0.005427	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	4.56	0.005524	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	5.16	0.006251	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	4.45	0.005391	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	3.71	0.004494	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	3.00	0.003634	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	3.85	0.004664	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	3.91	0.004674	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	3.73	0.004459	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	3.83	0.004579	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	3.98	0.004758	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	4.78	0.005714	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	4.59	0.005487	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	4.55	0.005439	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	3.85	0.004603	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	5.64	0.006742	±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	-20	3.20	0.003776	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	3.78	0.004460	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	2.49	0.002938	±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	20	3.48	0.004106	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	2.49	0.002938	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	4.78	0.005640	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	3.49	0.004118	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	3.23	0.003908	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	2.59	0.003134	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-10	3.22	0.003896	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	3.63	0.004392	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	3.23	0.003908	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	1.57	0.001900	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	2.06	0.002492	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	3.60	0.004356	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	1.67	0.002021	±2.5	PASS