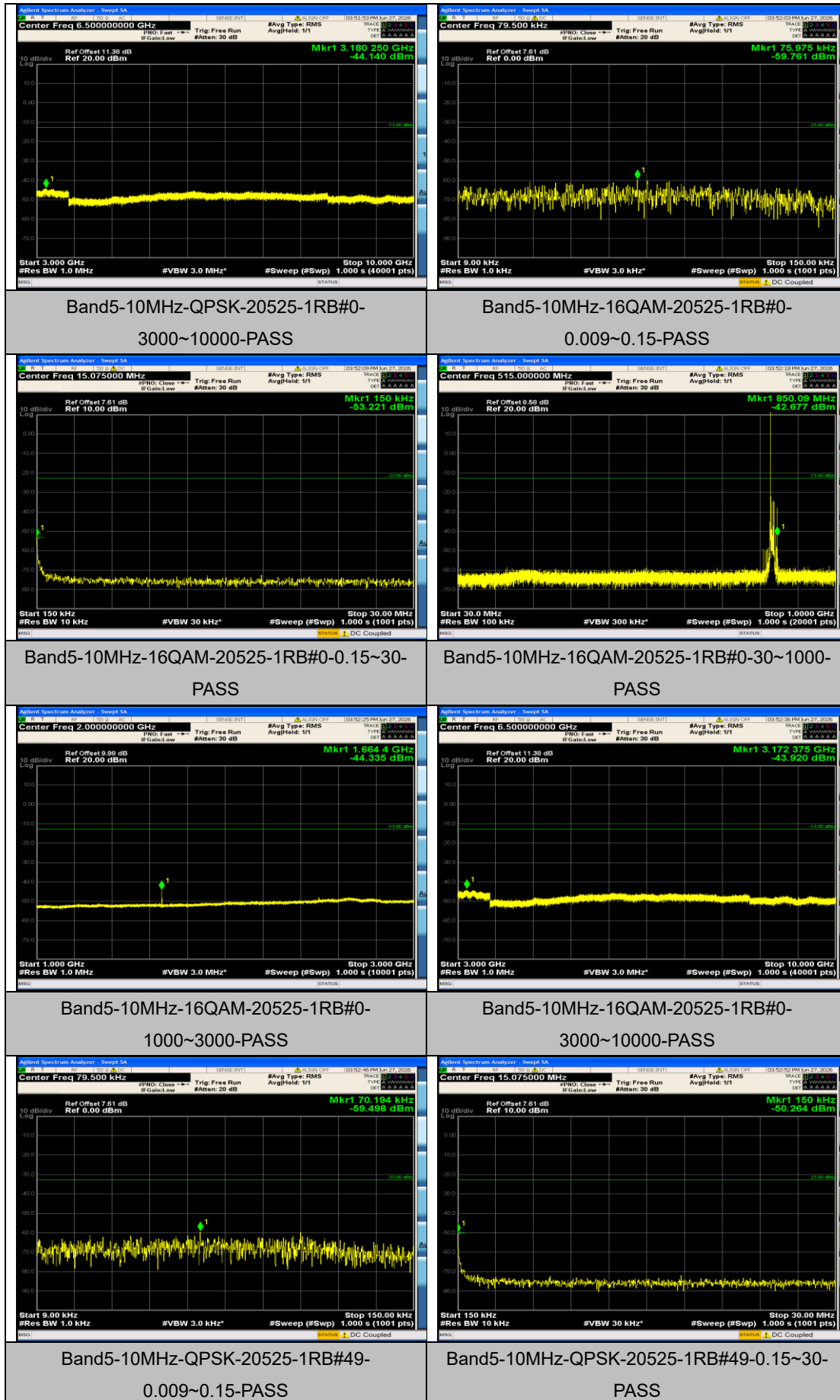
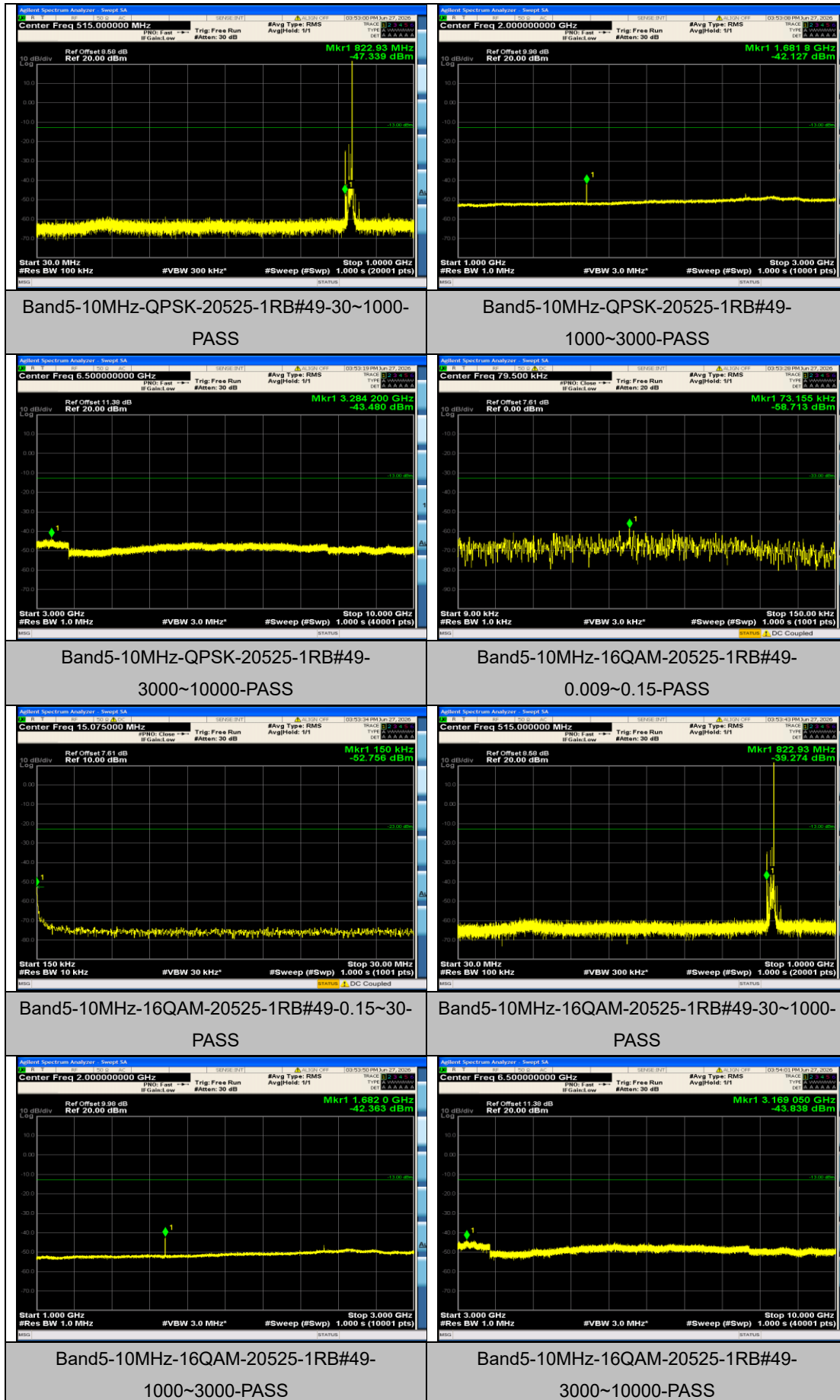
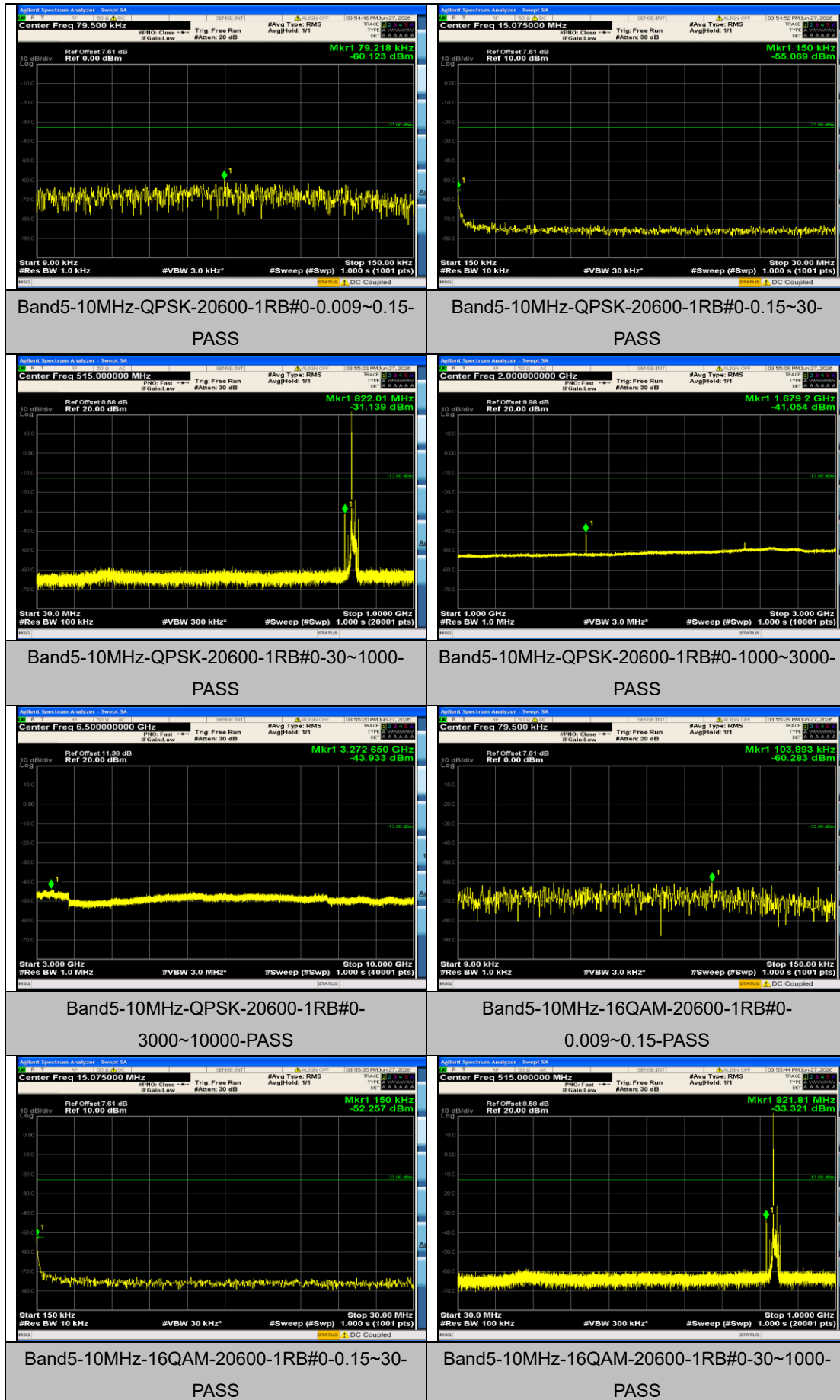
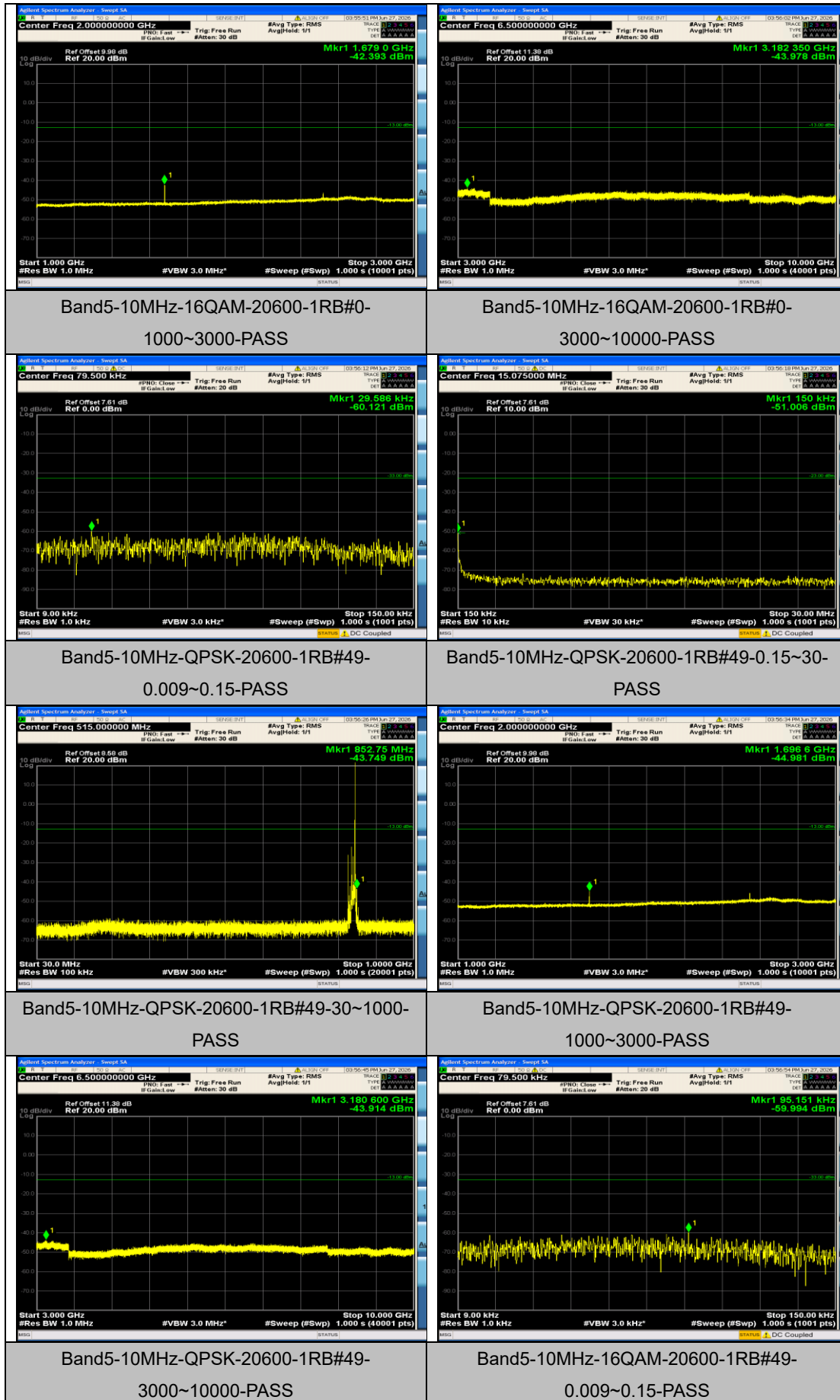
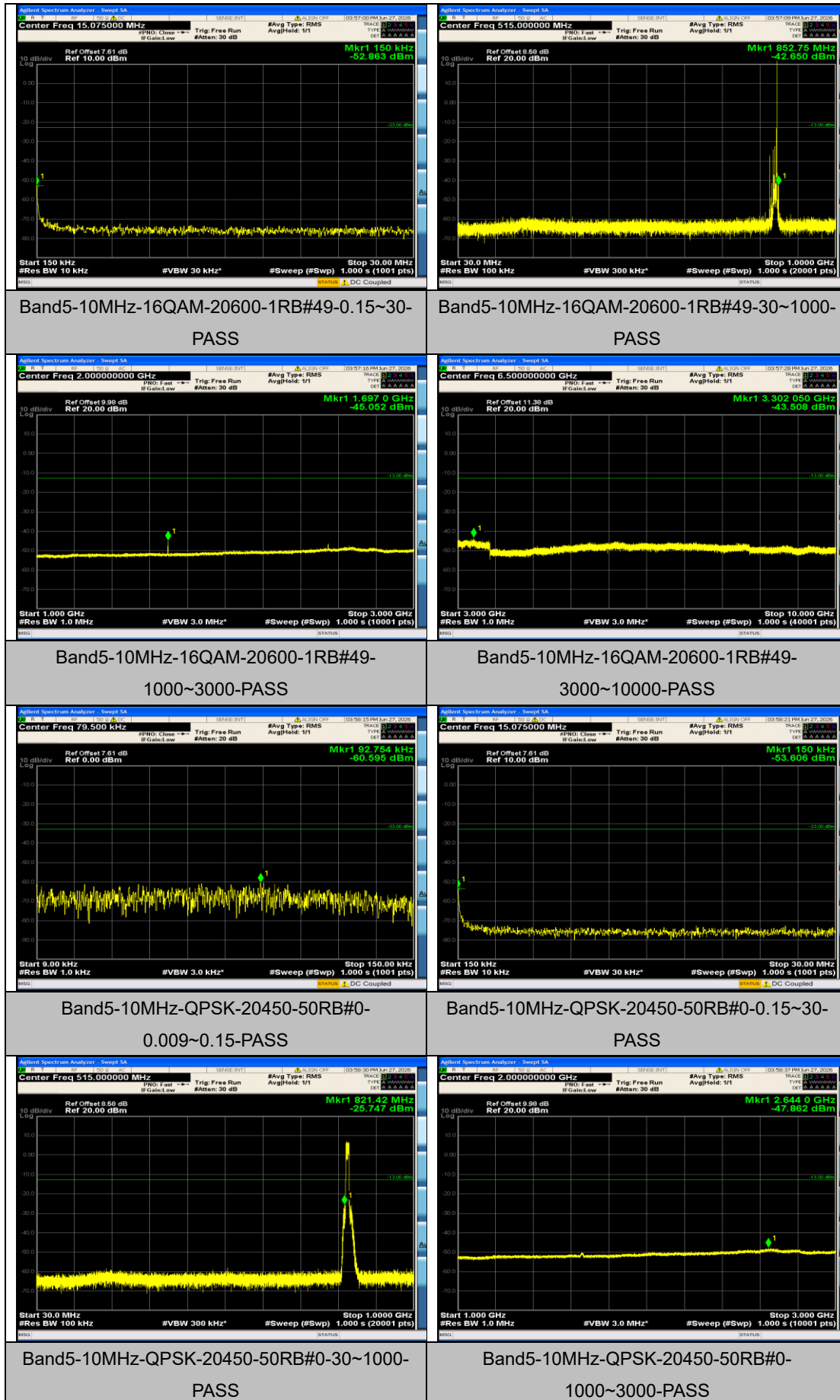


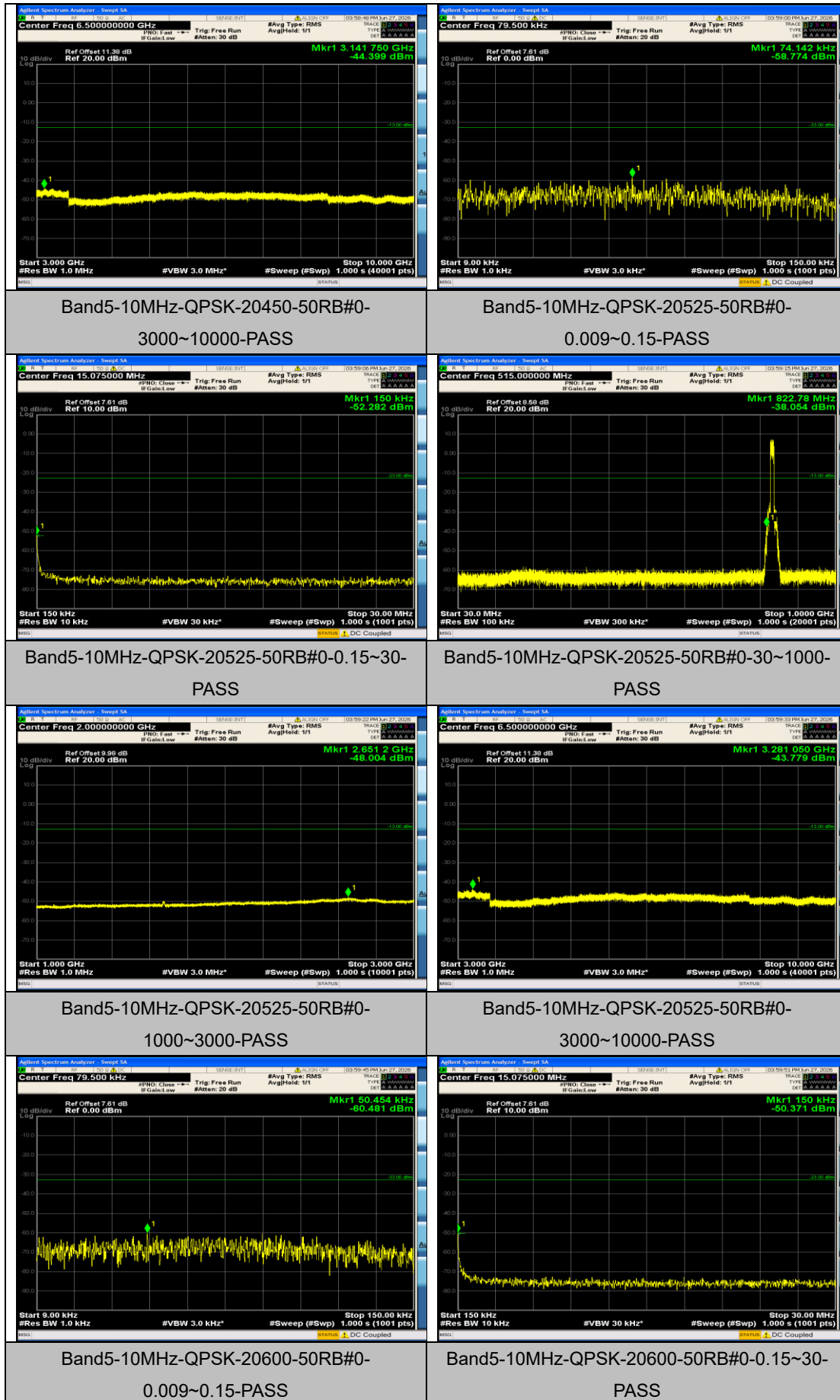


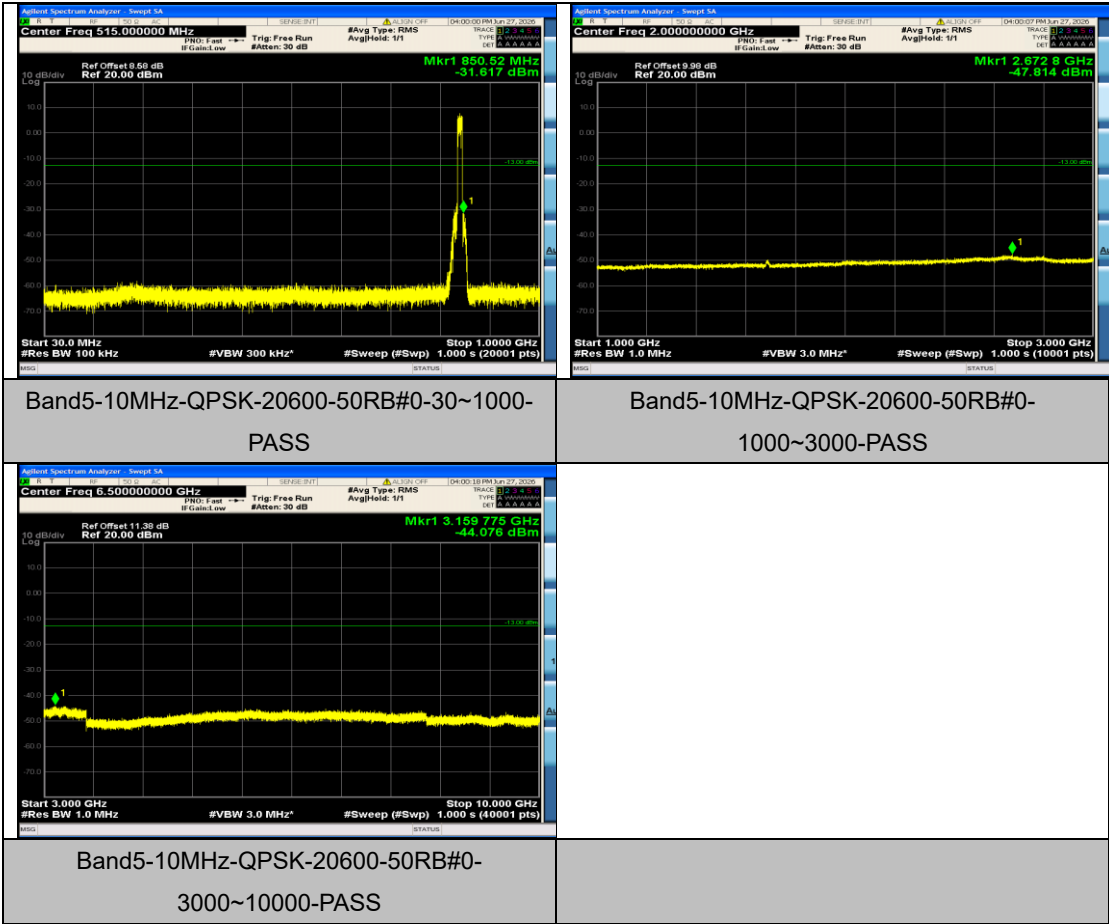












Appendix F: Frequency Stability

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	28.67	0.034764	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-20	33.59	0.040730	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	-10	32.82	0.039796	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	0	27.39	0.033212	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	10	33.46	0.040572	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	20	27.12	0.032885	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	30	30.64	0.037153	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	40	21.77	0.026397	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	NV	50	29.30	0.035528	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-30	29.50	0.035771	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-20	25.01	0.030326	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	-10	14.91	0.018079	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	0	14.38	0.017437	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	10	28.87	0.035007	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	20	28.62	0.034704	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	30	11.40	0.013823	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	40	10.46	0.012683	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	NV	50	13.20	0.016006	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	30.46	0.036414	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	27.09	0.032385	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	24.13	0.028846	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	32.20	0.038494	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	25.23	0.030161	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	28.21	0.033724	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	25.82	0.030867	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	28.85	0.034489	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	28.65	0.034250	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-30	12.96	0.015493	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-20	21.51	0.025714	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	-10	17.11	0.020454	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	0	11.74	0.014035	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	10	25.55	0.030544	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	20	23.43	0.028010	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	30	20.96	0.025057	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	NV	40	15.91	0.019020	±2.5	PASS

Band5	1.4MHz	16QAM	20525	6RB#0	NV	50	20.34	0.024316	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-30	27.58	0.032512	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-20	31.27	0.036862	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	-10	28.28	0.033337	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	0	29.24	0.034469	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	10	17.85	0.021042	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	20	28.67	0.033797	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	30	17.64	0.020795	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	40	20.64	0.024331	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	NV	50	27.42	0.032323	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-30	16.09	0.018967	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-20	20.48	0.024142	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	-10	21.27	0.025074	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	0	8.31	0.009796	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	10	23.12	0.027255	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	20	23.69	0.027926	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	30	29.40	0.034658	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	40	23.32	0.027490	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	NV	50	28.97	0.034151	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-30	29.87	0.036184	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-20	22.19	0.026881	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	-10	28.47	0.034488	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	0	13.83	0.016753	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	10	28.34	0.034331	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	20	21.21	0.025694	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	30	20.03	0.024264	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	40	27.49	0.033301	±2.5	PASS
Band5	3MHz	QPSK	20415	15RB#0	NV	50	27.79	0.033664	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-30	-28.45	-0.034464	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-20	-7.88	-0.009546	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	-10	28.02	0.033943	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	0	28.78	0.034864	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	10	26.36	0.031932	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	20	16.57	0.020073	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	30	14.15	0.017141	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	40	11.87	0.014379	±2.5	PASS
Band5	3MHz	16QAM	20415	15RB#0	NV	50	17.21	0.020848	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	34.12	0.040789	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	20.57	0.024591	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	25.28	0.030221	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	13.23	0.015816	±2.5	PASS

Band5	3MHz	QPSK	20525	15RB#0	NV	10	14.29	0.017083	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	13.60	0.016258	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	30	6.74	0.008057	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	-7.47	-0.008930	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	25.43	0.030400	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-30	-22.73	-0.027173	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-20	-22.54	-0.026946	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	-10	-11.33	-0.013545	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	0	-18.98	-0.022690	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	10	-18.71	-0.022367	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	20	-3.36	-0.004017	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	30	-10.79	-0.012899	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	40	-26.97	-0.032241	±2.5	PASS
Band5	3MHz	16QAM	20525	15RB#0	NV	50	-12.27	-0.014668	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-30	21.63	0.025522	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-20	26.18	0.030891	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	-10	27.34	0.032260	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	0	6.61	0.007799	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	10	16.98	0.020035	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	20	14.38	0.016968	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	30	9.96	0.011752	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	40	6.22	0.007339	±2.5	PASS
Band5	3MHz	QPSK	20635	15RB#0	NV	50	-15.62	-0.018431	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-30	-13.69	-0.016153	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-20	-21.23	-0.025050	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	-10	-19.50	-0.023009	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	0	-17.44	-0.020578	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	10	-8.25	-0.009735	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	20	-12.17	-0.014360	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	30	-19.07	-0.022501	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	40	-26.04	-0.030726	±2.5	PASS
Band5	3MHz	16QAM	20635	15RB#0	NV	50	-28.25	-0.033333	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-30	25.05	0.030309	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-20	28.14	0.034047	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	-10	30.77	0.037229	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	0	27.37	0.033116	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	10	26.68	0.032281	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	20	30.17	0.036503	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	30	22.23	0.026897	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	40	25.15	0.030430	±2.5	PASS
Band5	5MHz	QPSK	20425	25RB#0	NV	50	25.02	0.030272	±2.5	PASS

Band5	5MHz	16QAM	20425	25RB#0	NV	-30	-22.16	-0.026812	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-20	-19.56	-0.023666	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	-10	-10.53	-0.012740	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	0	-30.14	-0.036467	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	10	-11.29	-0.013660	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	20	-19.51	-0.023606	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	30	-10.06	-0.012172	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	40	-8.71	-0.010538	±2.5	PASS
Band5	5MHz	16QAM	20425	25RB#0	NV	50	-19.63	-0.023751	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	29.54	0.035314	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	19.17	0.022917	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	27.41	0.032767	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	28.74	0.034357	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	17.82	0.021303	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	21.06	0.025176	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	30.38	0.036318	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	14.02	0.016760	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	19.60	0.023431	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-30	-26.12	-0.031225	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-20	-28.72	-0.034334	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	-10	-15.34	-0.018338	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	0	-20.20	-0.024148	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	10	-24.13	-0.028846	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	20	-18.68	-0.022331	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	30	-27.71	-0.033126	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	40	-12.75	-0.015242	±2.5	PASS
Band5	5MHz	16QAM	20525	25RB#0	NV	50	-28.02	-0.033497	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-30	17.72	0.020933	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-20	17.05	0.020142	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	-10	29.21	0.034507	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	0	15.39	0.018181	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	10	30.04	0.035487	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	20	16.01	0.018913	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	30	9.33	0.011022	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	40	29.28	0.034589	±2.5	PASS
Band5	5MHz	QPSK	20625	25RB#0	NV	50	5.65	0.006675	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-30	-26.36	-0.031140	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-20	-21.24	-0.025092	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	-10	-29.74	-0.035133	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	0	-16.37	-0.019338	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	10	-18.73	-0.022126	±2.5	PASS

Band5	5MHz	16QAM	20625	25RB#0	NV	20	-30.97	-0.036586	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	30	-23.29	-0.027513	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	40	-16.51	-0.019504	±2.5	PASS
Band5	5MHz	16QAM	20625	25RB#0	NV	50	-23.35	-0.027584	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-30	29.58	0.035682	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-20	29.58	0.035682	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	-10	27.02	0.032593	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	0	28.64	0.034548	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	10	25.25	0.030458	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	20	24.98	0.030133	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	30	28.17	0.033981	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	40	28.37	0.034222	±2.5	PASS
Band5	10MHz	QPSK	20450	50RB#0	NV	50	29.10	0.035103	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	28.25	0.033772	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	26.98	0.032253	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	14.88	0.017788	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	29.47	0.035230	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	25.06	0.029958	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	29.50	0.035266	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	26.11	0.031213	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	28.68	0.034286	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	21.93	0.026216	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-30	23.72	0.028104	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-20	25.68	0.030427	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	-10	28.38	0.033626	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	0	11.44	0.013555	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	10	13.78	0.016327	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	20	27.49	0.032571	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	30	29.18	0.034573	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	40	27.25	0.032287	±2.5	PASS
Band5	10MHz	QPSK	20600	50RB#0	NV	50	28.55	0.033827	±2.5	PASS