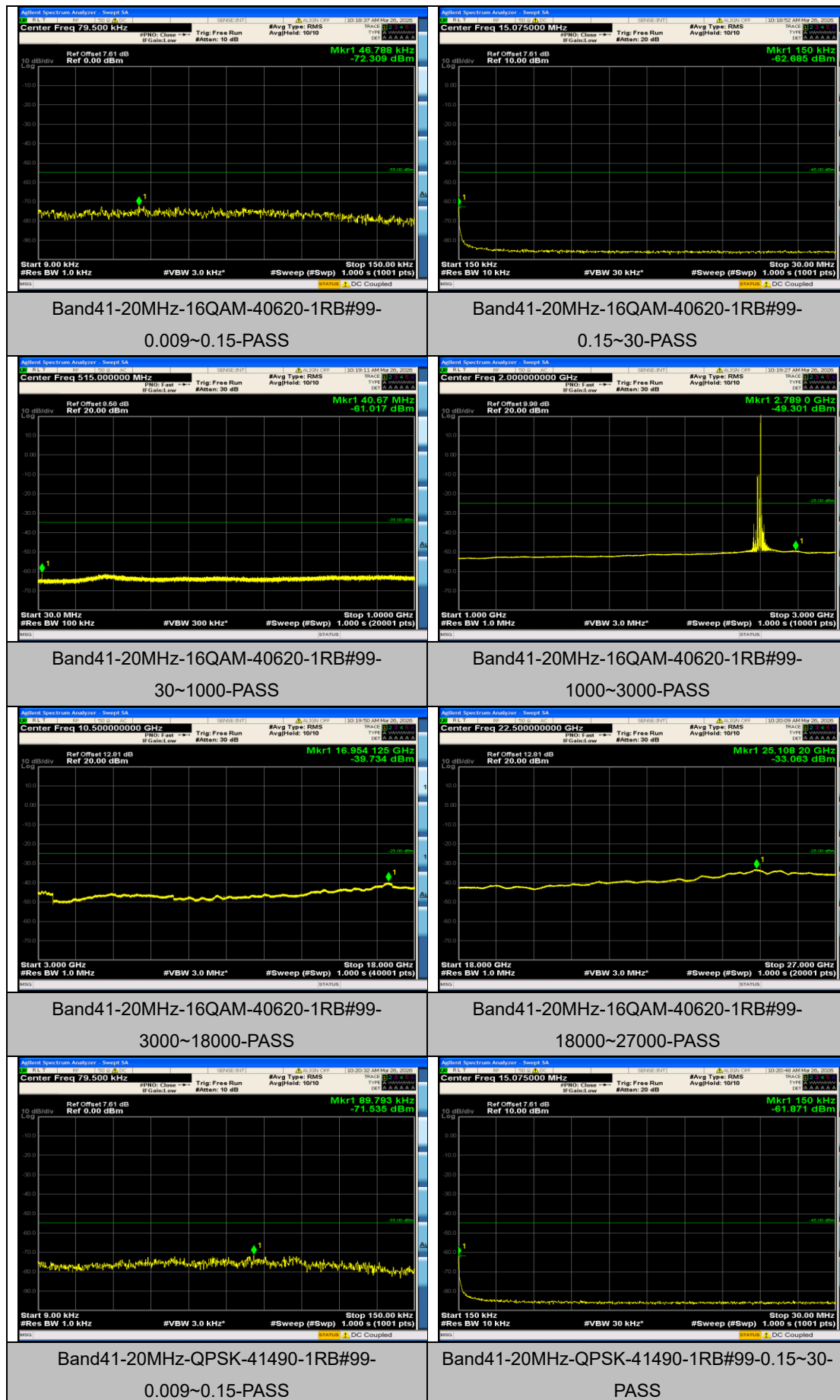
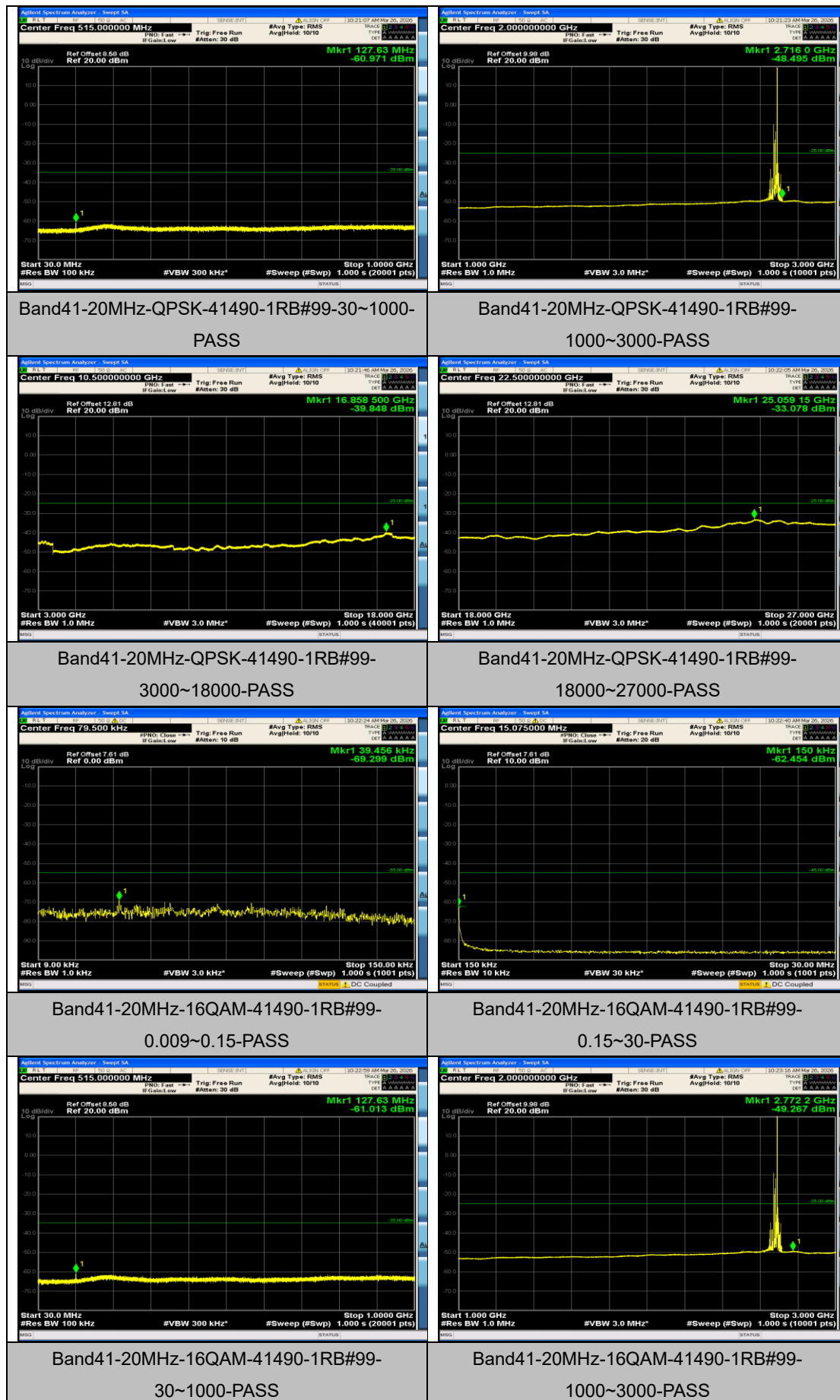
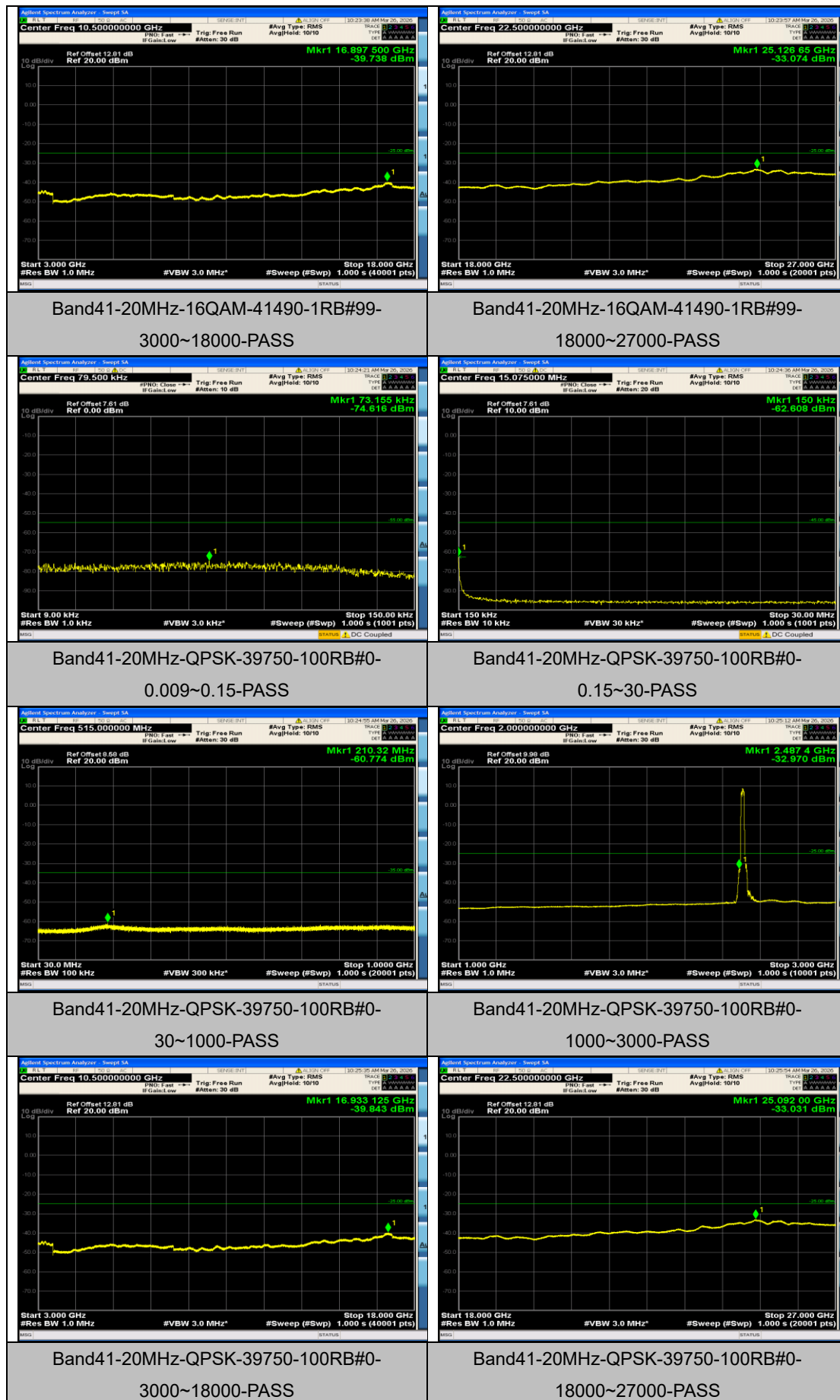
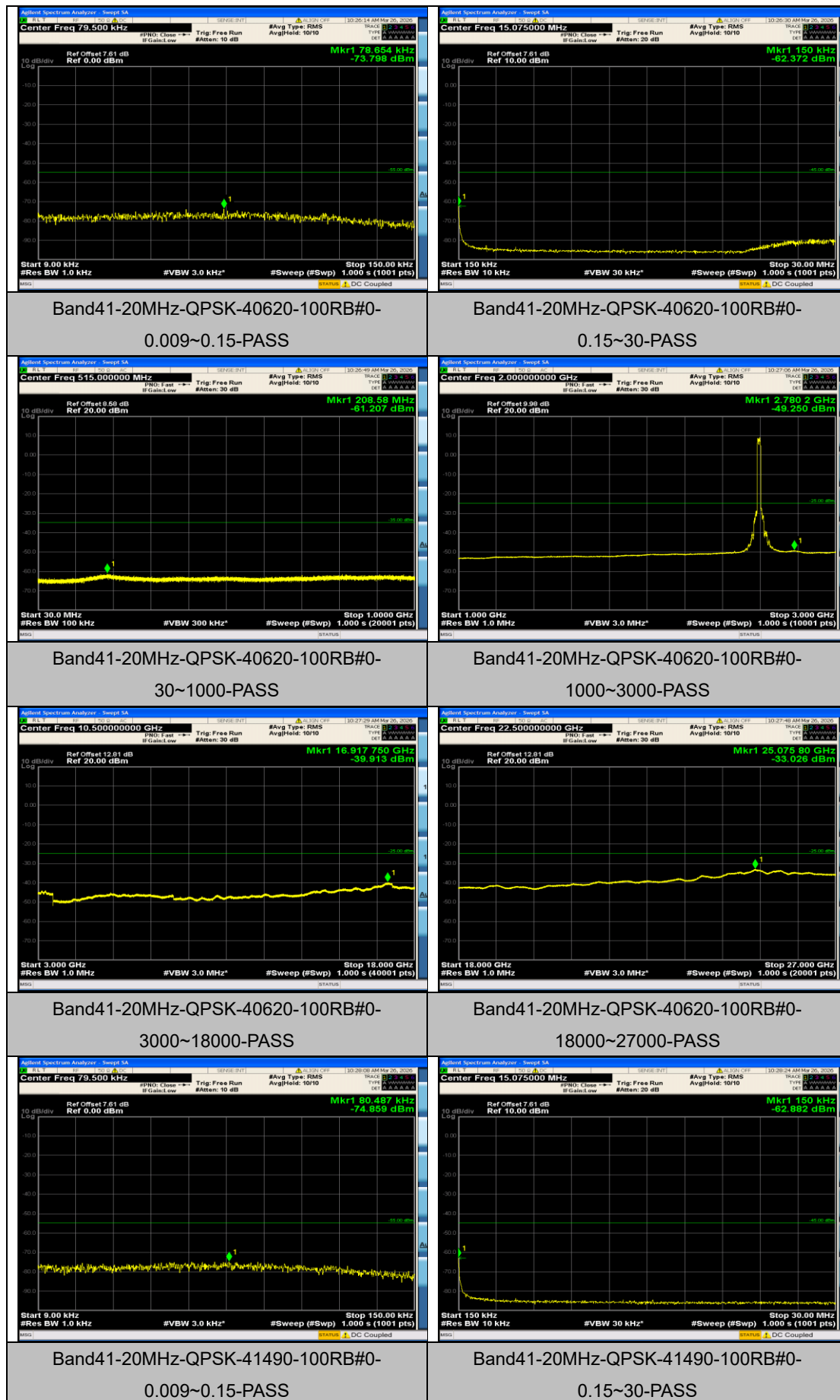
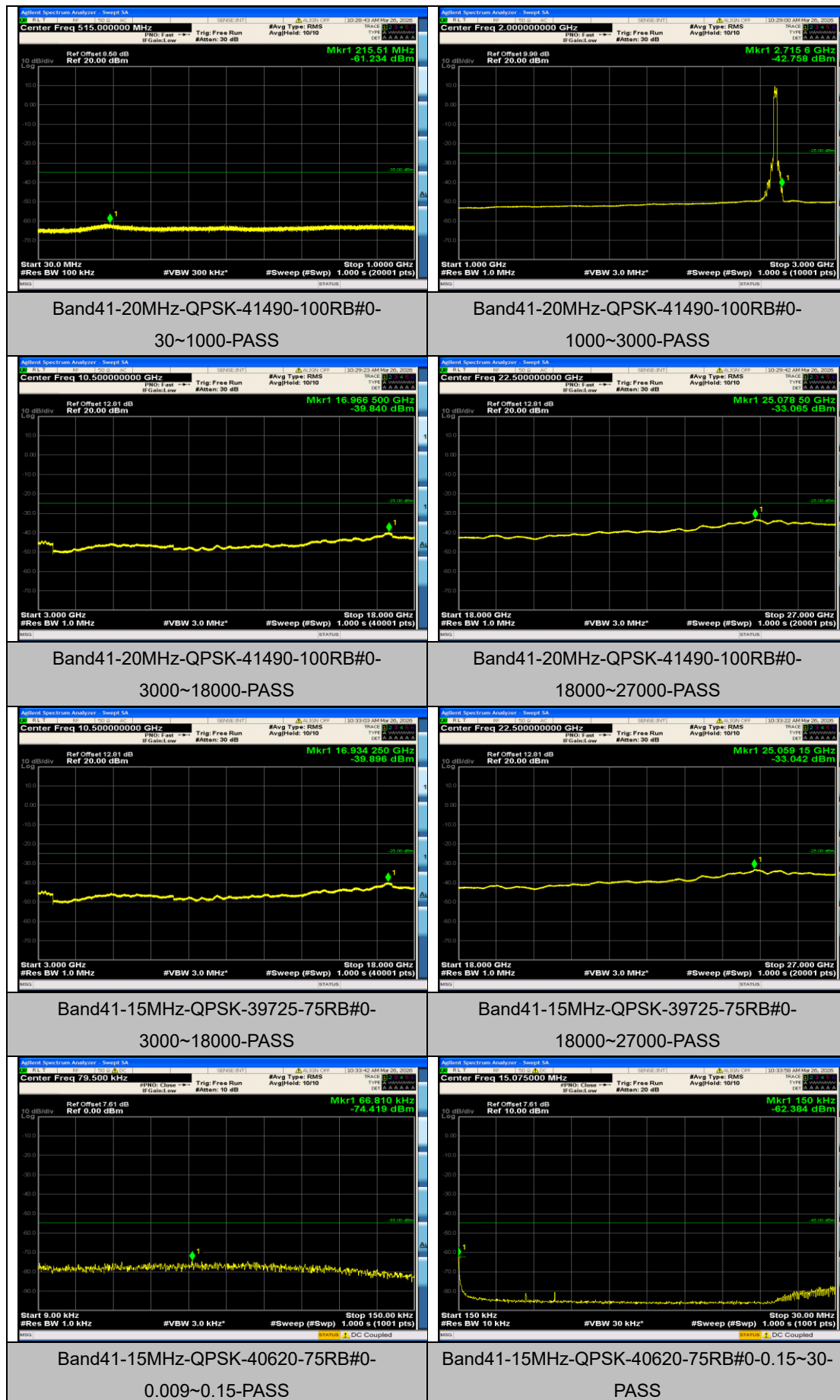


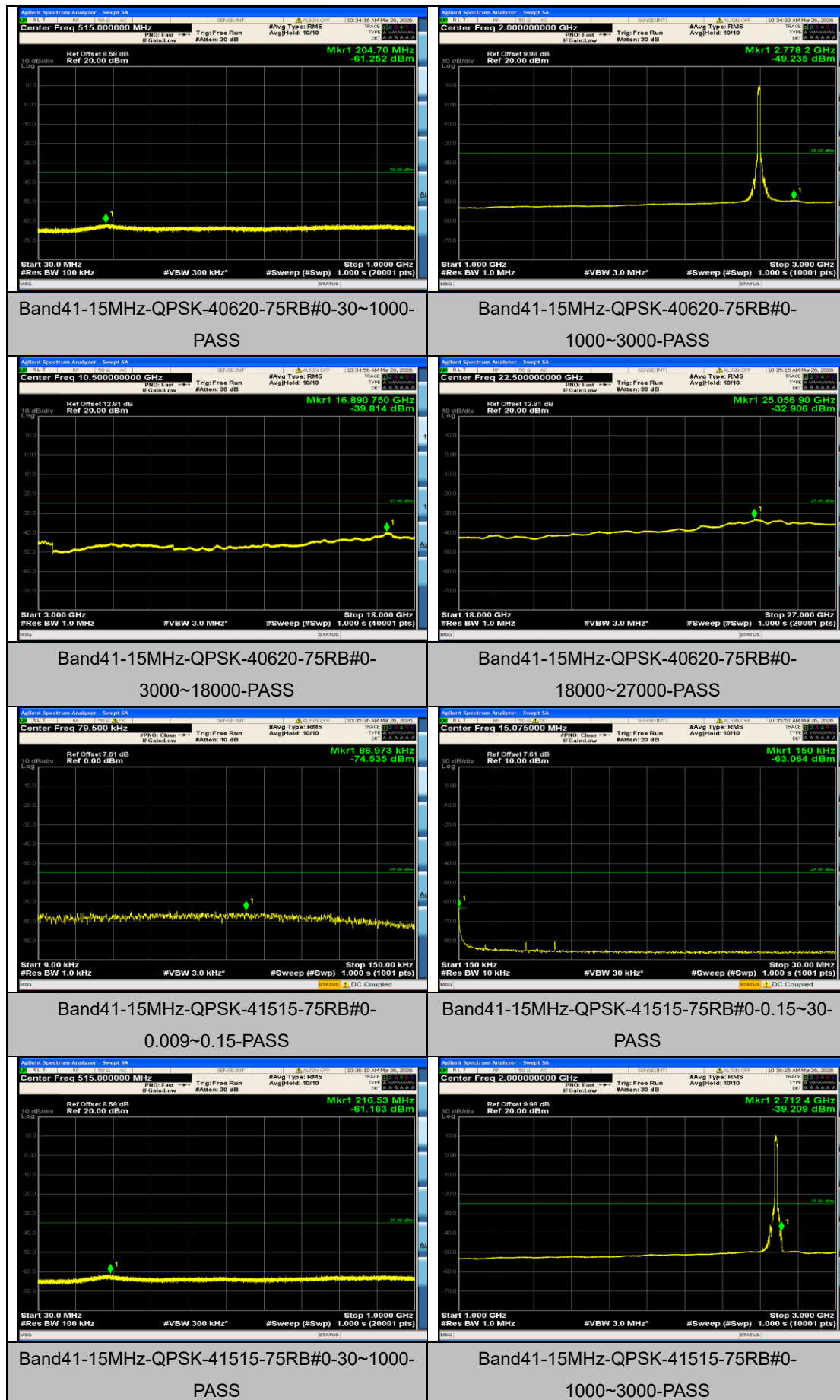


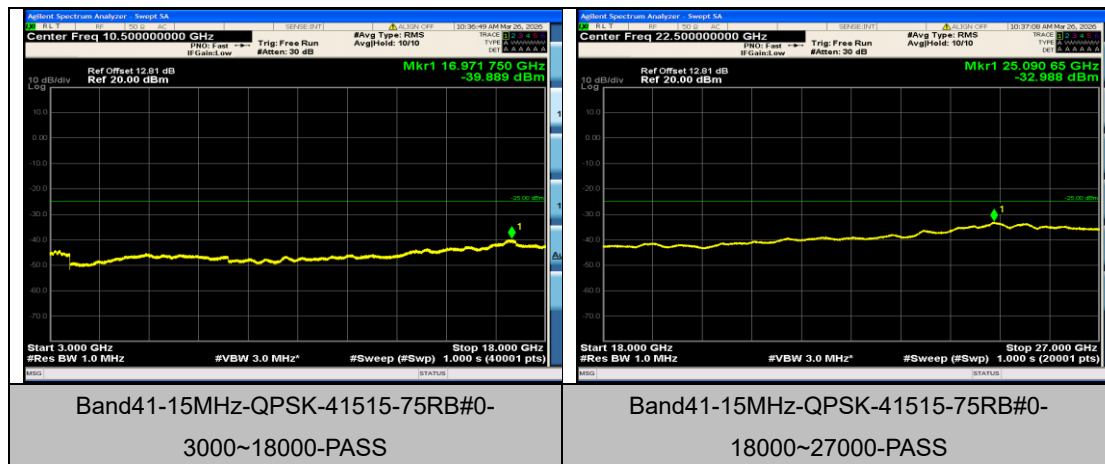












Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	NV	-30	8.38	0.003354	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-20	7.10	0.002842	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-10	12.49	0.004999	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	0	6.79	0.002718	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	10	7.27	0.002910	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	20	8.54	0.003418	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	30	8.27	0.003310	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	40	10.40	0.004162	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	50	8.60	0.003442	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-30	-10.87	-0.004351	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-20	-9.97	-0.003990	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-10	-12.63	-0.005055	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	0	8.53	0.003414	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	10	10.53	0.004215	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	20	5.15	0.002061	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	30	-10.81	-0.004327	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	40	-11.07	-0.004431	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	50	7.30	0.002922	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-30	10.14	0.003911	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-20	8.07	0.003112	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-10	10.67	0.004115	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	0	7.60	0.002931	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	10	-9.78	-0.003772	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	20	7.37	0.002842	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	30	10.43	0.004022	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	40	8.28	0.003193	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	50	-3.75	-0.001446	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-30	-7.85	-0.003027	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-20	-18.02	-0.006949	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-10	-13.88	-0.005353	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	0	-9.64	-0.003718	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	10	8.14	0.003139	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	20	6.69	0.002580	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	30	10.56	0.004073	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	40	8.08	0.003116	±2.5	PASS

Band41	5MHz	16QAM	40620	25RB#0	NV	50	-16.54	-0.006379	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-30	10.97	0.004082	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-20	8.73	0.003248	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-10	10.27	0.003821	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	0	-63.23	-0.023527	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	10	-6.24	-0.002322	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	20	-10.40	-0.003870	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	30	6.61	0.002460	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	40	-11.27	-0.004193	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	50	6.48	0.002411	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-30	-8.96	-0.003334	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-20	5.58	0.002076	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-10	5.72	0.002128	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	0	-10.33	-0.003844	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	10	8.57	0.003189	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	20	11.06	0.004115	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	30	-4.35	-0.001619	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	40	-14.98	-0.005574	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	50	-13.09	-0.004871	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-30	7.60	0.003039	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-20	7.31	0.002923	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-10	10.14	0.004054	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	0	10.33	0.004130	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	10	13.42	0.005366	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	20	-8.27	-0.003307	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	30	7.84	0.003135	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	40	5.99	0.002395	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	50	5.08	0.002031	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	10.23	0.003945	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	9.07	0.003498	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-10	7.47	0.002881	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	0	10.37	0.003999	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	10.16	0.003918	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	20	11.07	0.004269	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	30	5.65	0.002179	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	40	-8.04	-0.003101	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	50	5.71	0.002202	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-30	8.75	0.003259	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-20	12.90	0.004804	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-10	10.53	0.003922	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	0	9.40	0.003501	±2.5	PASS

Band41	10MHz	QPSK	41540	50RB#0	NV	10	12.35	0.004600	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	20	-3.25	-0.001210	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	30	9.37	0.003490	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	40	11.06	0.004119	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	50	13.43	0.005002	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-30	7.11	0.002840	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-20	8.48	0.003387	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-10	7.31	0.002920	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	0	-13.26	-0.005297	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	10	11.09	0.004430	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	20	10.04	0.004010	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	30	-9.00	-0.003595	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	40	-9.51	-0.003799	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	50	-12.59	-0.005029	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-30	14.16	0.005461	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-20	4.29	0.001654	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-10	11.46	0.004420	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	0	-9.56	-0.003687	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	10	-5.89	-0.002272	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	20	10.34	0.003988	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	30	11.14	0.004296	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	40	-5.44	-0.002098	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	50	-10.06	-0.003880	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-30	11.67	0.004350	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-20	10.26	0.003825	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-10	-7.74	-0.002885	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	0	8.67	0.003232	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	10	-12.69	-0.004731	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	20	10.09	0.003761	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	30	7.48	0.002788	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	40	10.46	0.003899	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	50	-15.15	-0.005648	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	11.94	0.004765	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	-7.30	-0.002913	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	10.86	0.004334	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-26.51	-0.010579	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	10.30	0.004110	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	10.41	0.004154	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	8.63	0.003444	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-6.75	-0.002694	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-4.82	-0.001923	±2.5	PASS

Band41	20MHz	QPSK	40620	100RB#0	NV	-30	12.29	0.004740	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-8.97	-0.003459	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	8.75	0.003374	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	10.59	0.004084	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	7.30	0.002815	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	10.89	0.004200	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	9.44	0.003641	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	3.35	0.001292	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	12.72	0.004906	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	9.43	0.003519	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	9.50	0.003545	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	5.75	0.002146	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	-14.15	-0.005280	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	5.71	0.002131	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	12.85	0.004795	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	-5.59	-0.002086	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	10.54	0.003933	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	7.02	0.002619	±2.5	PASS