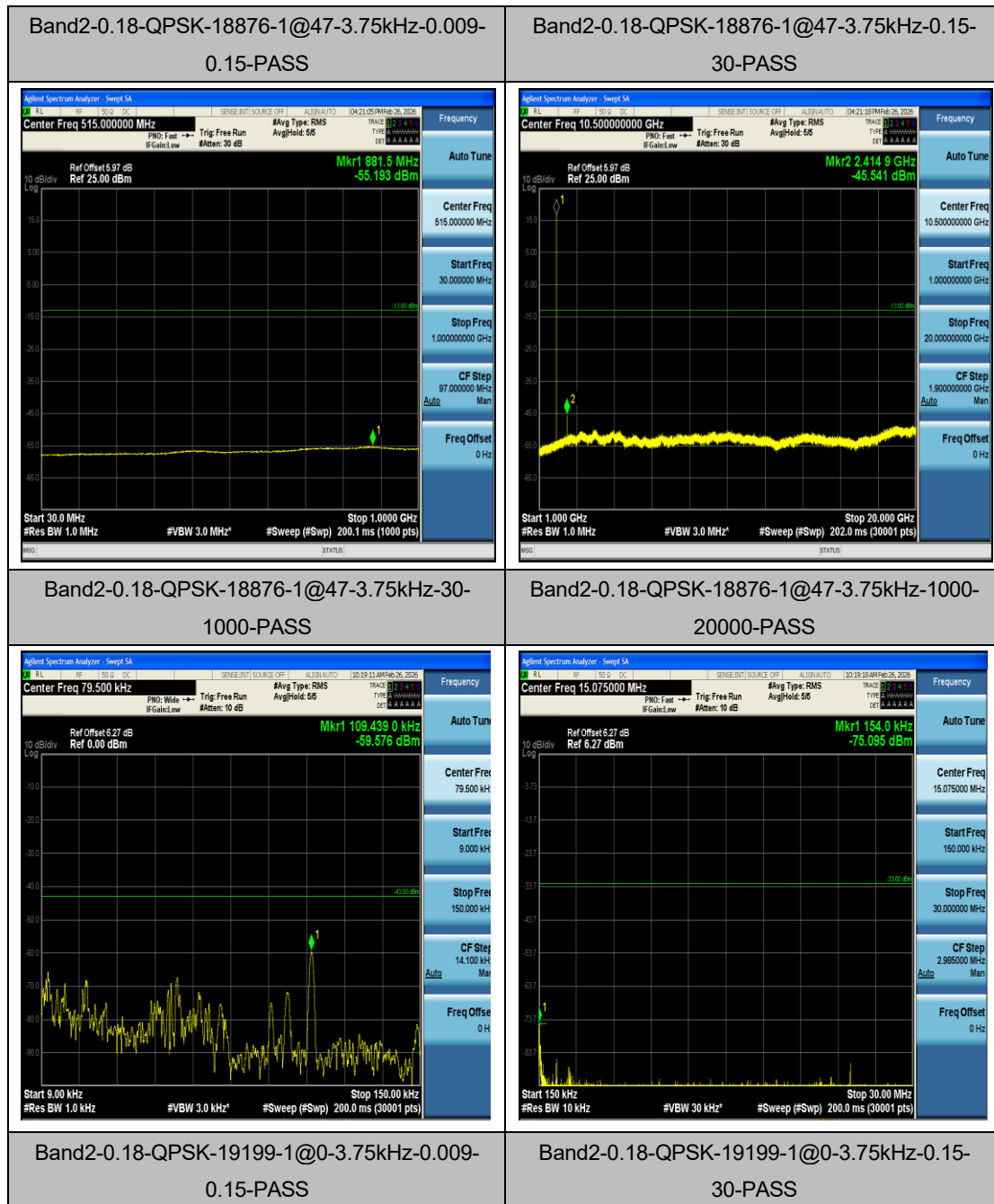
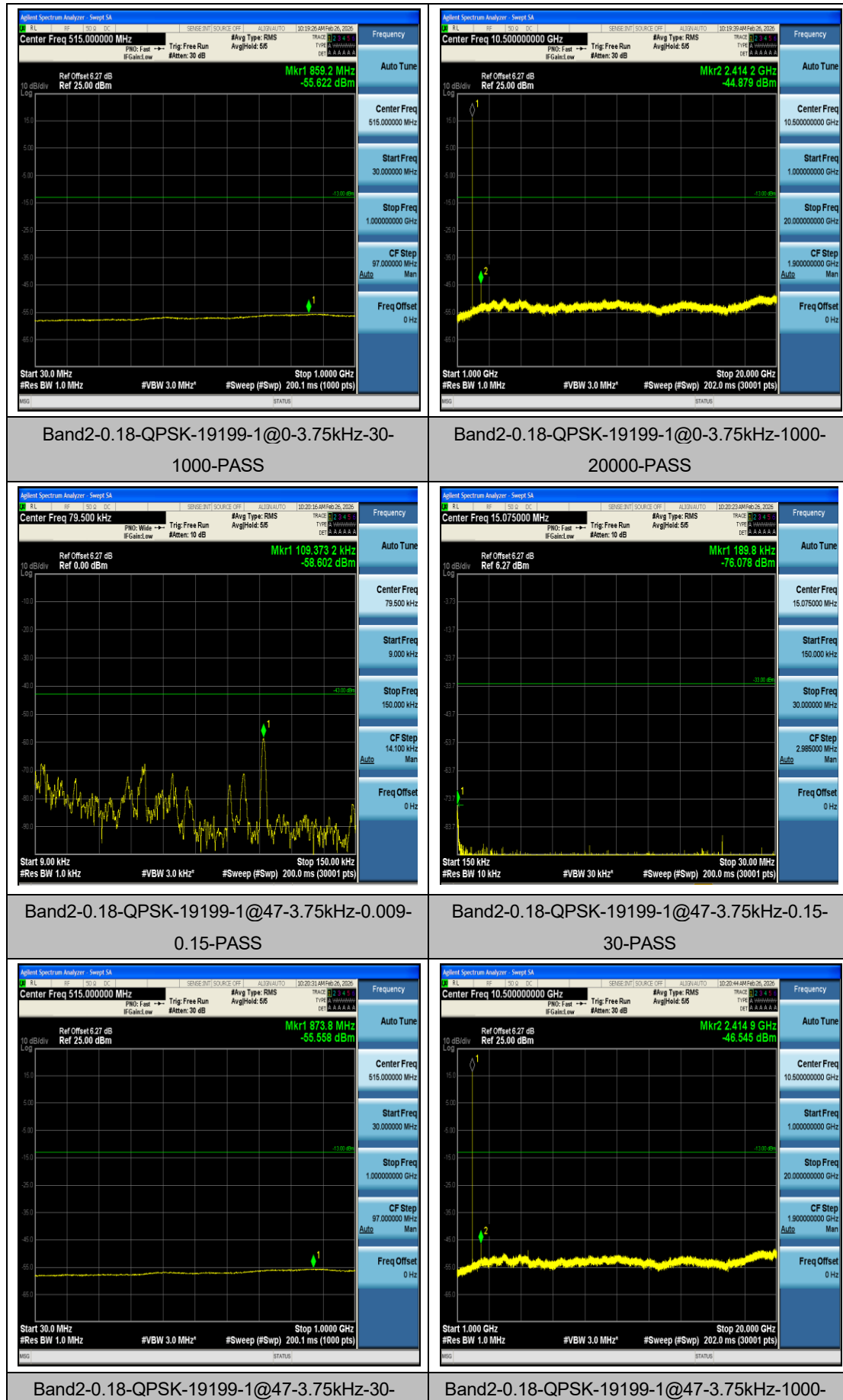
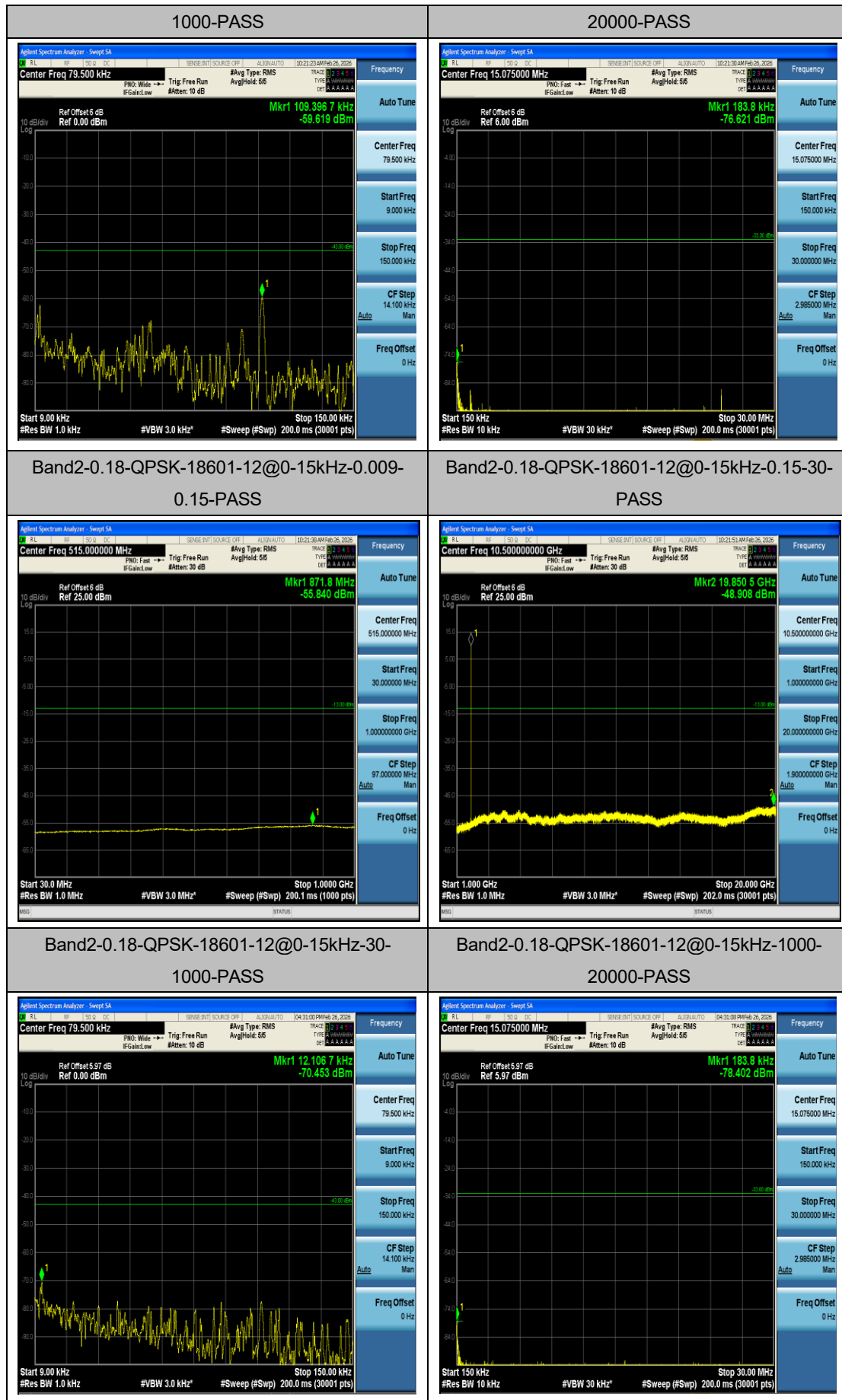
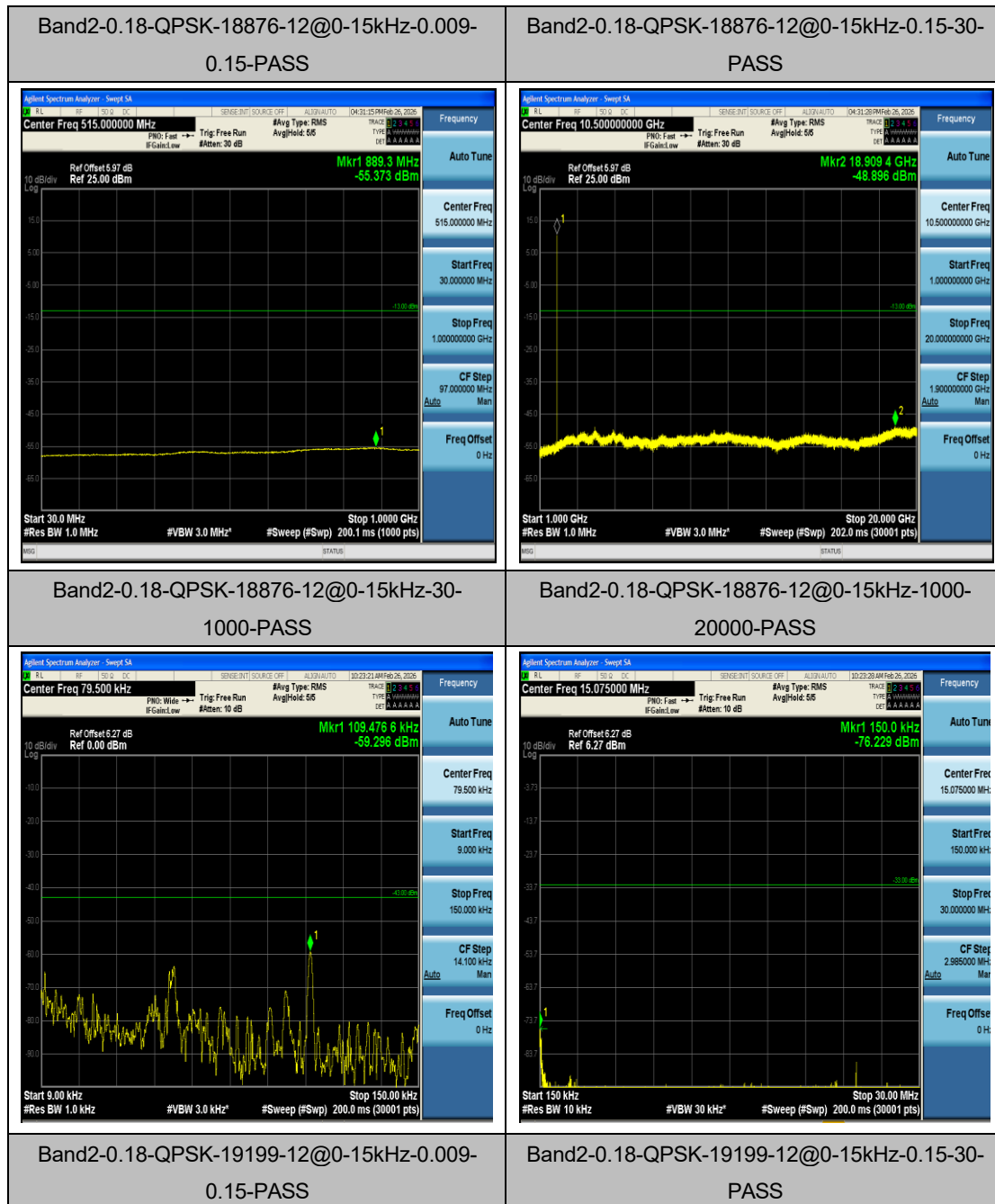
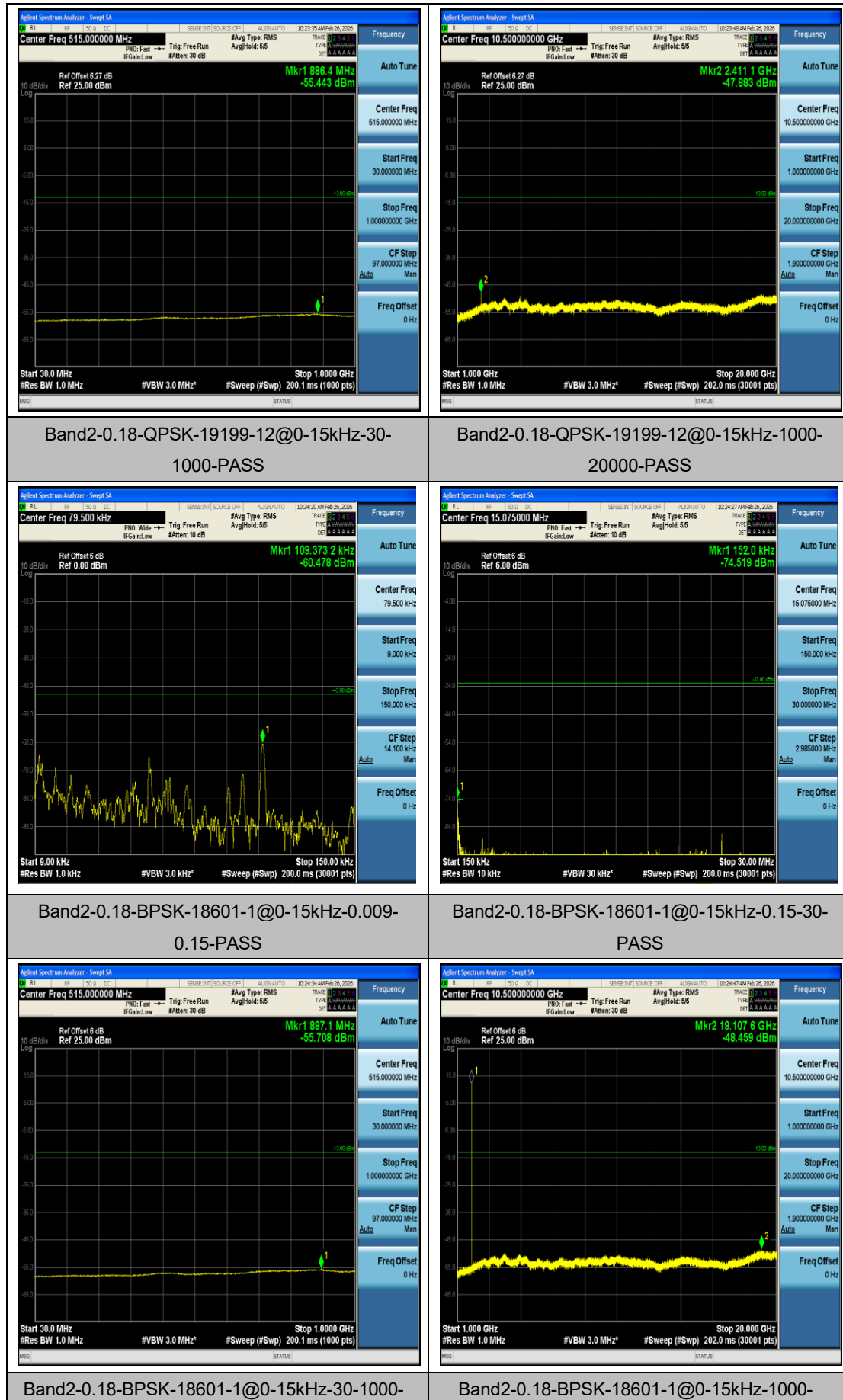


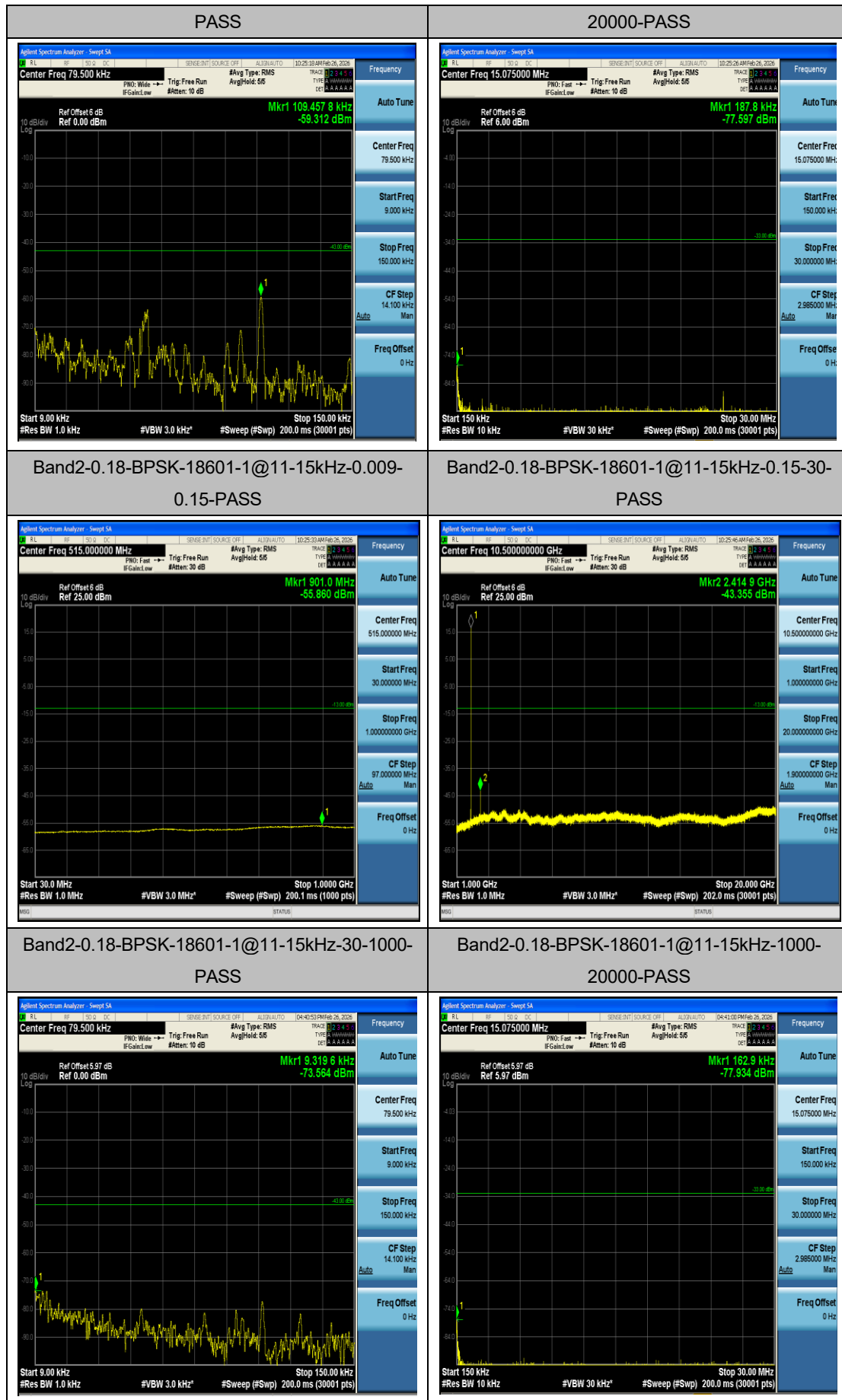


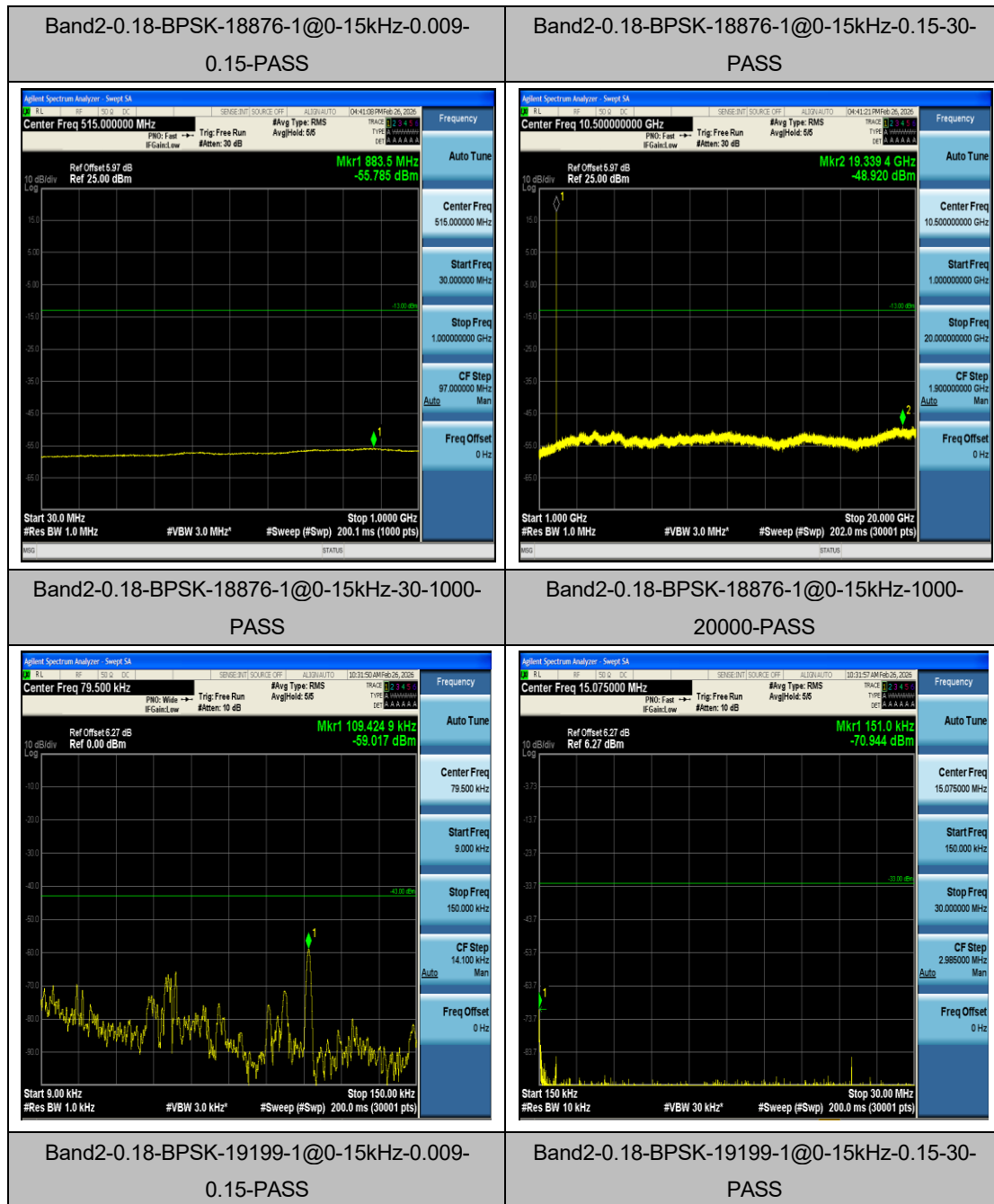


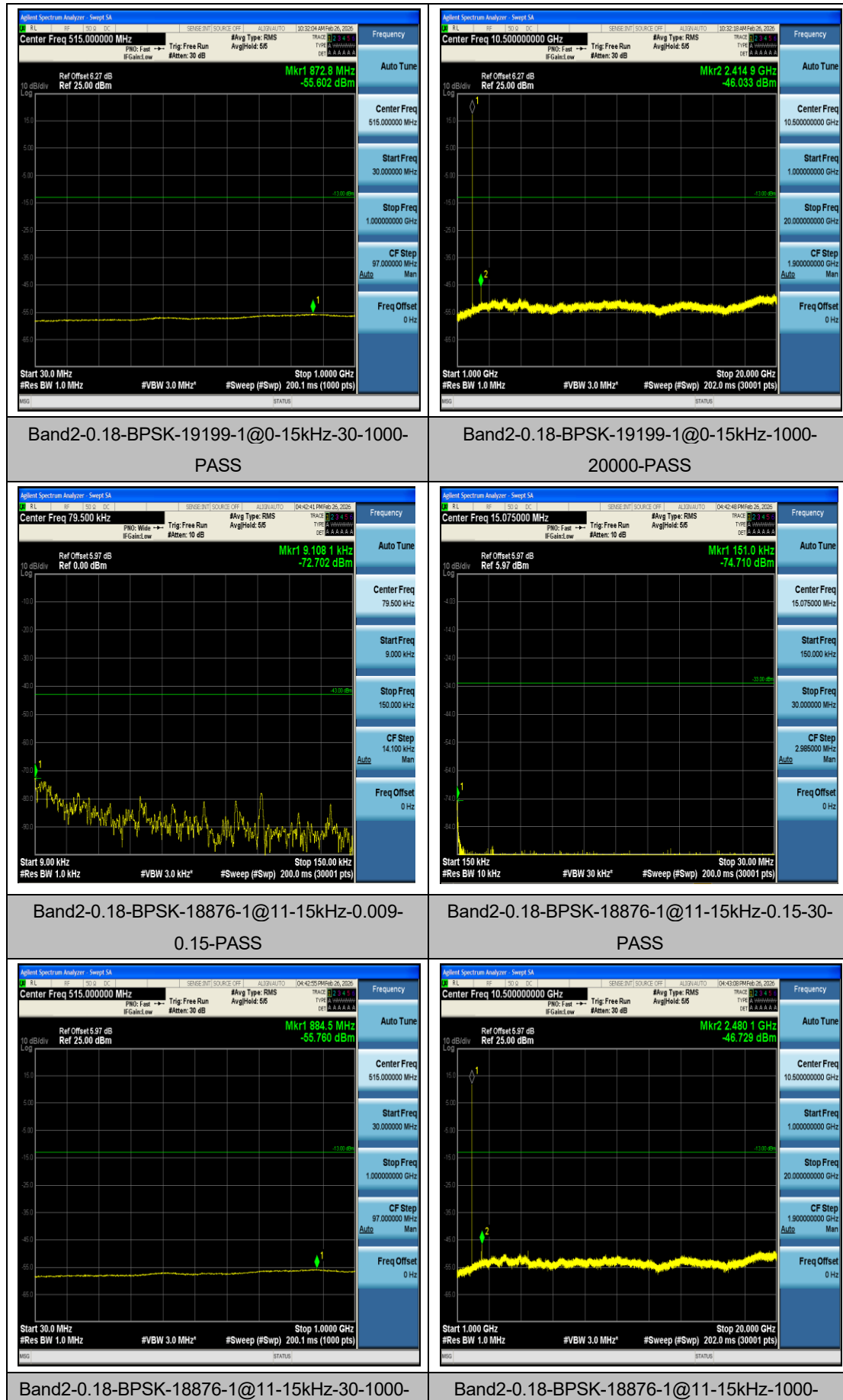


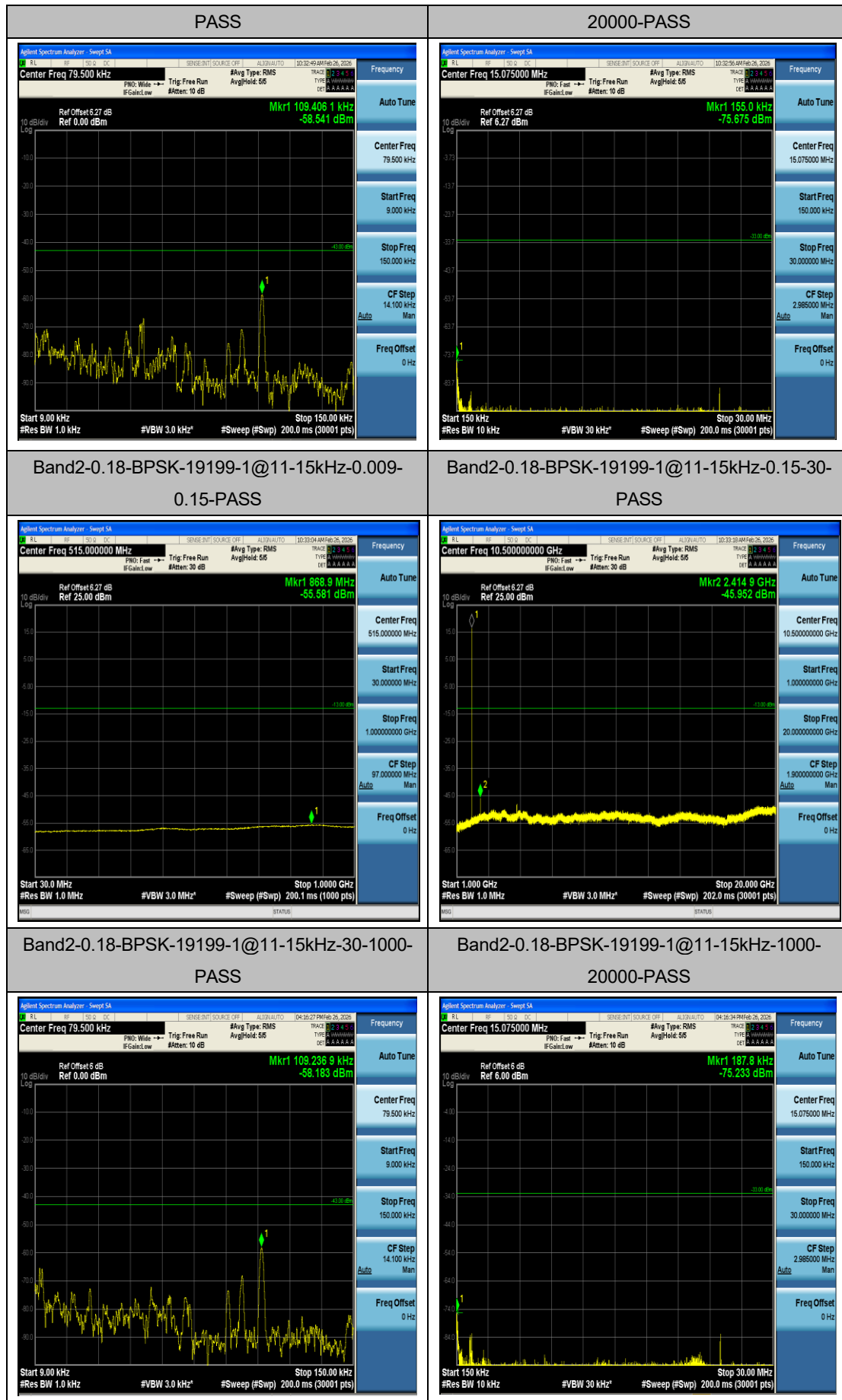


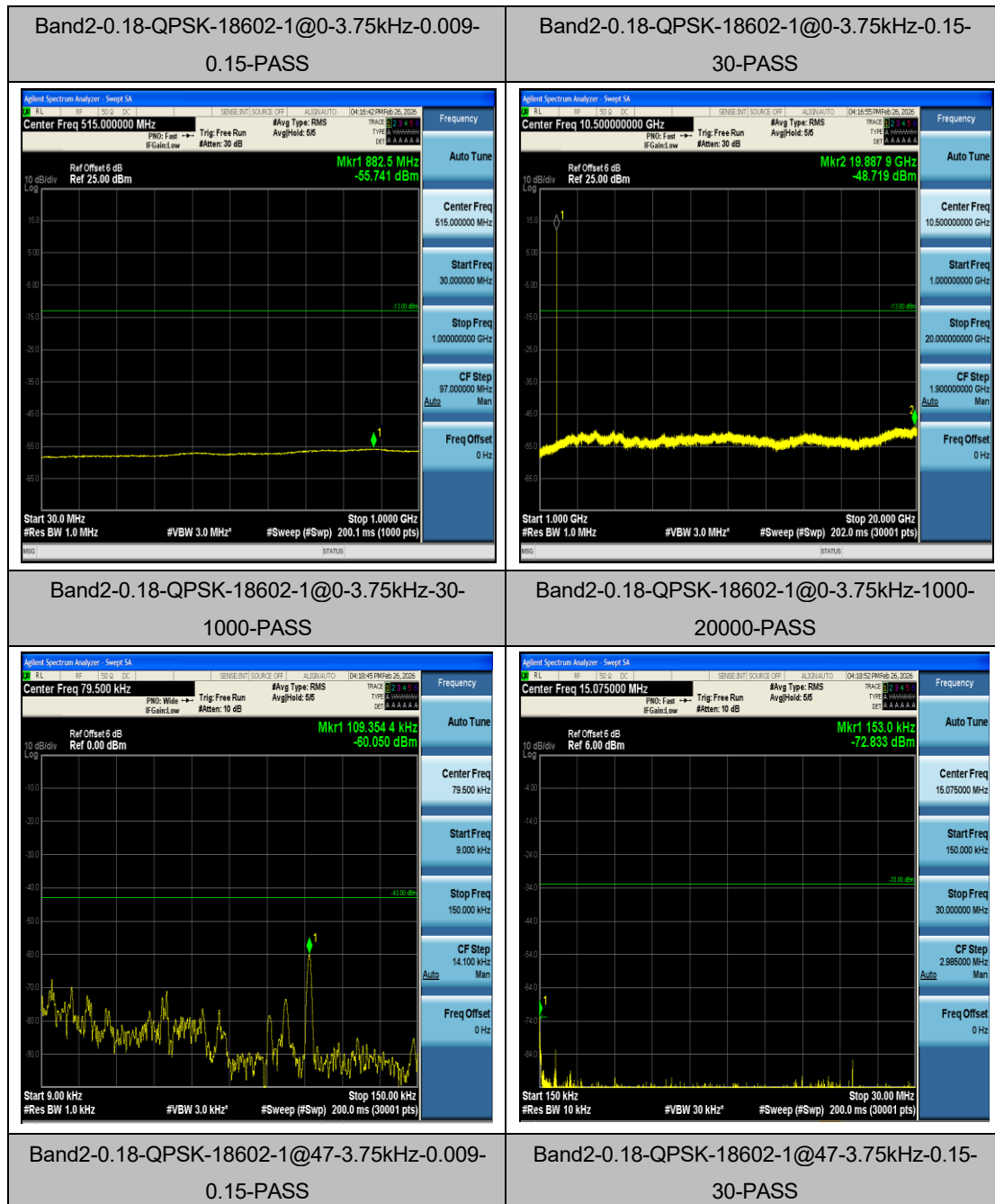


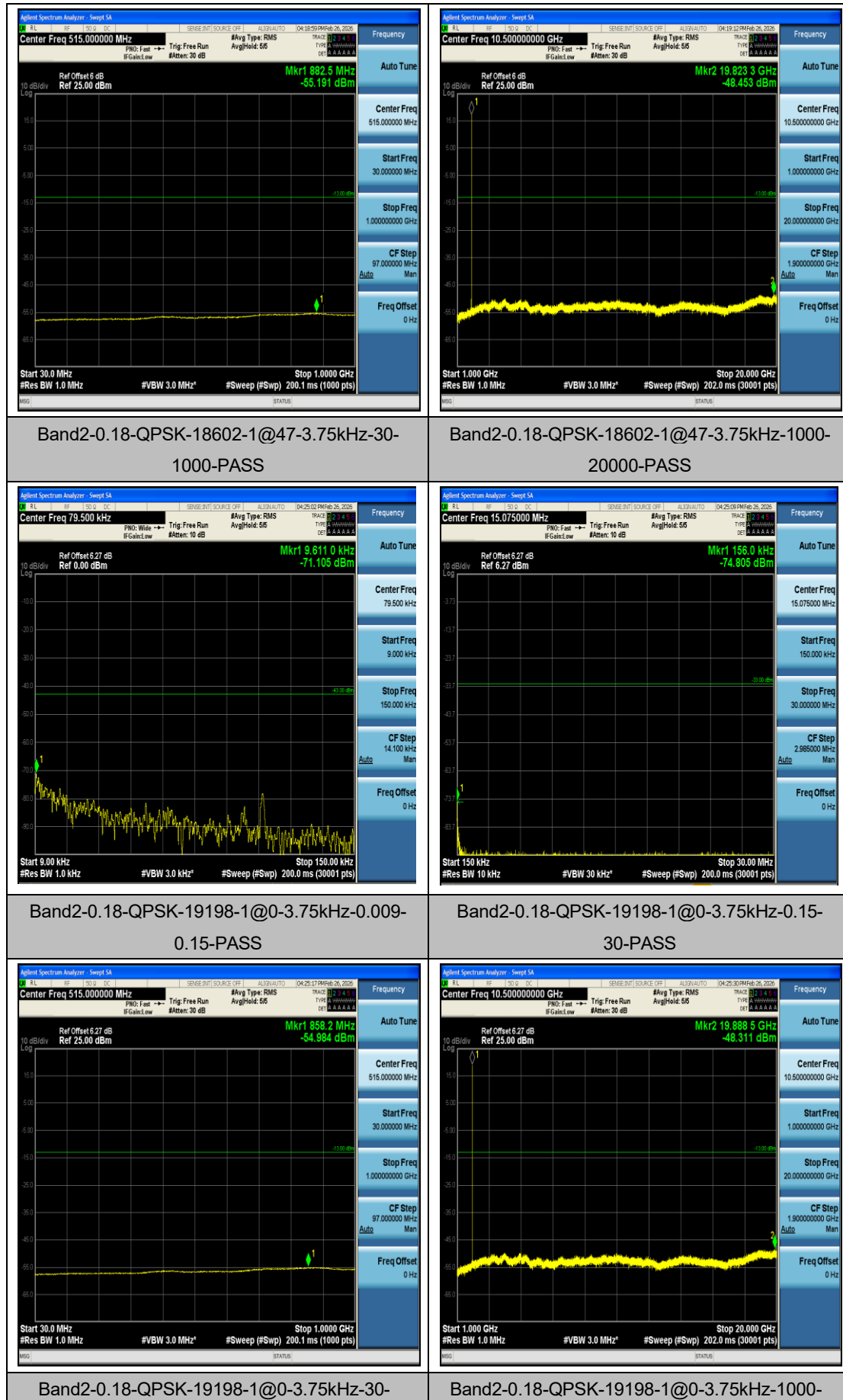


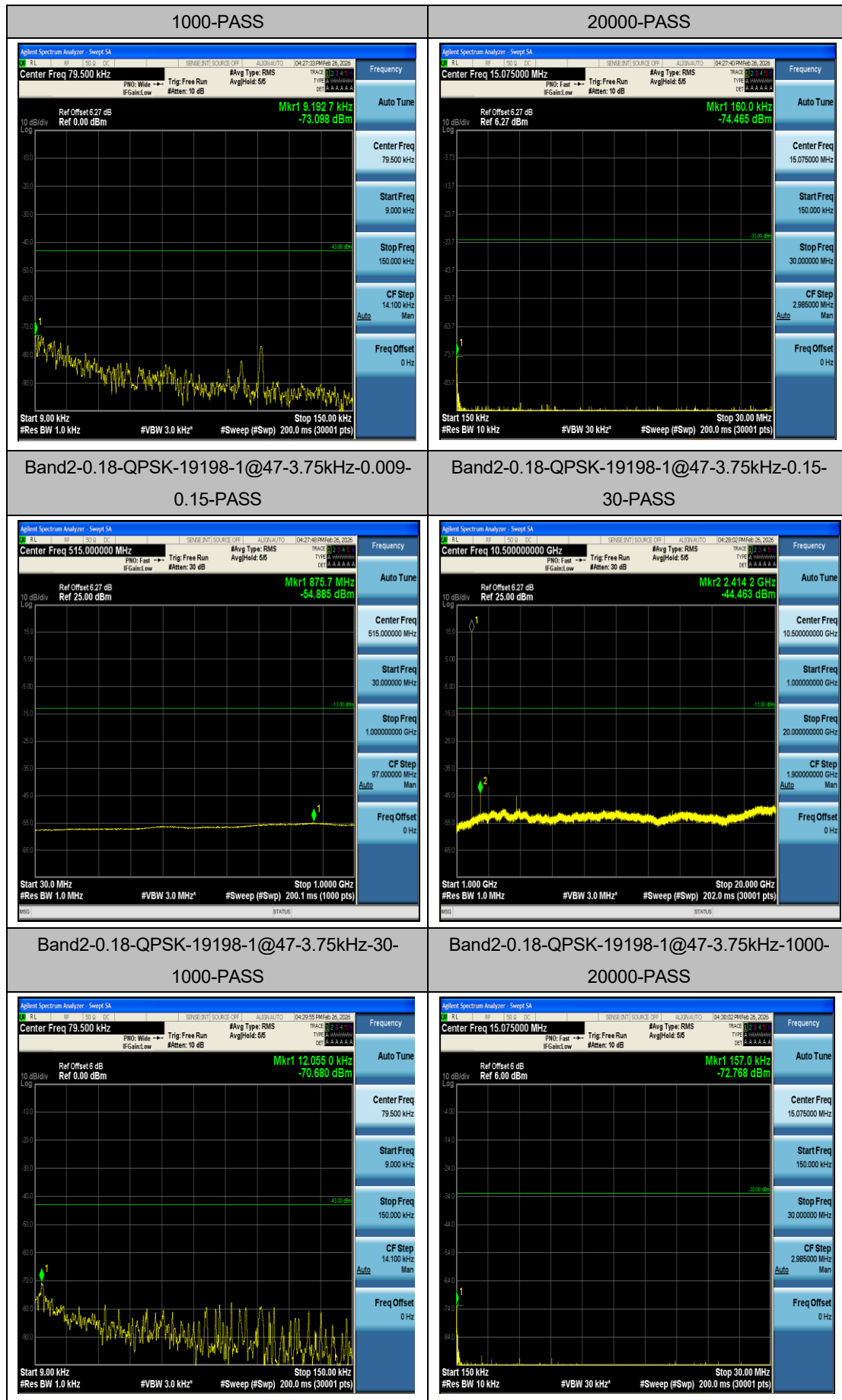


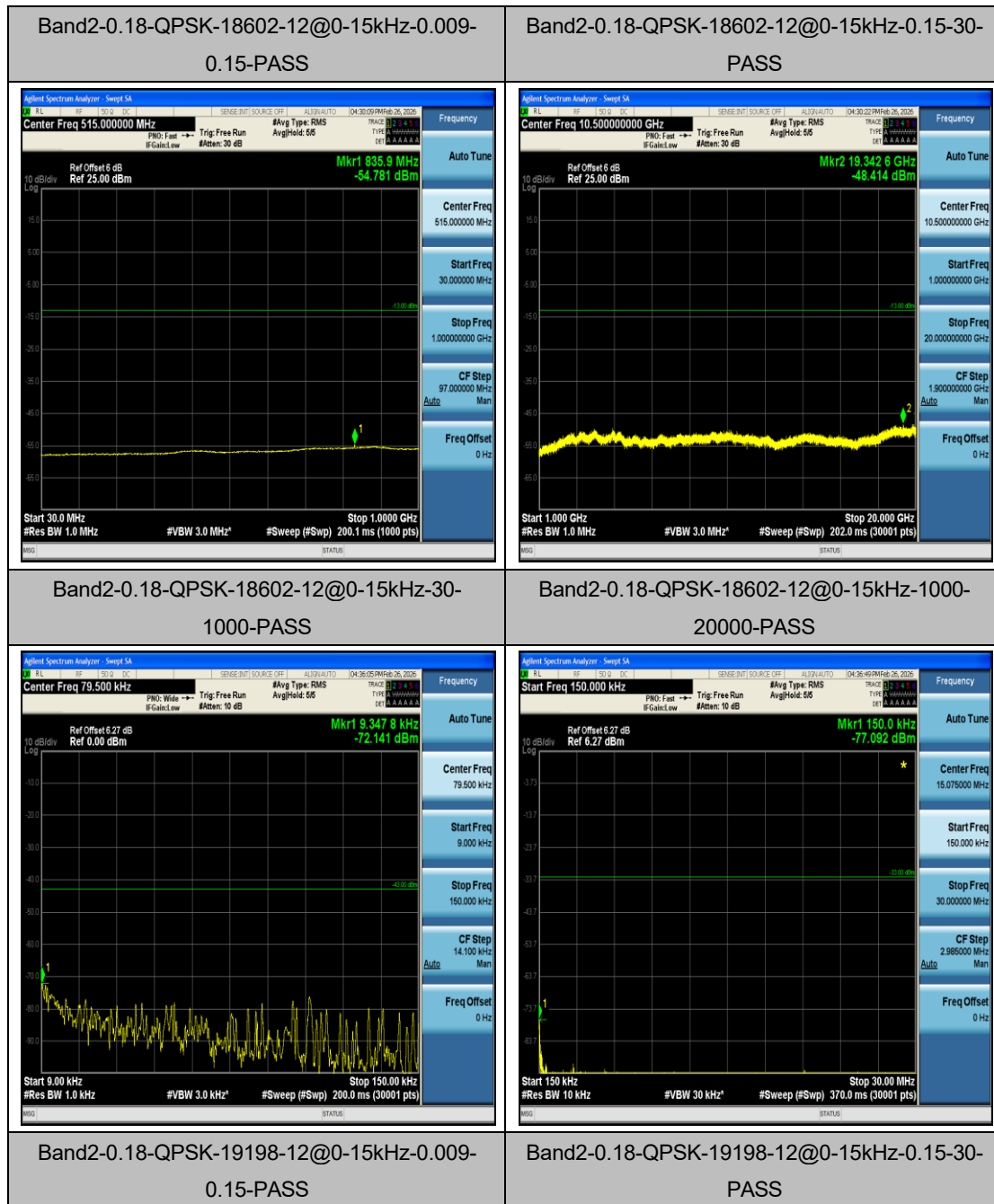


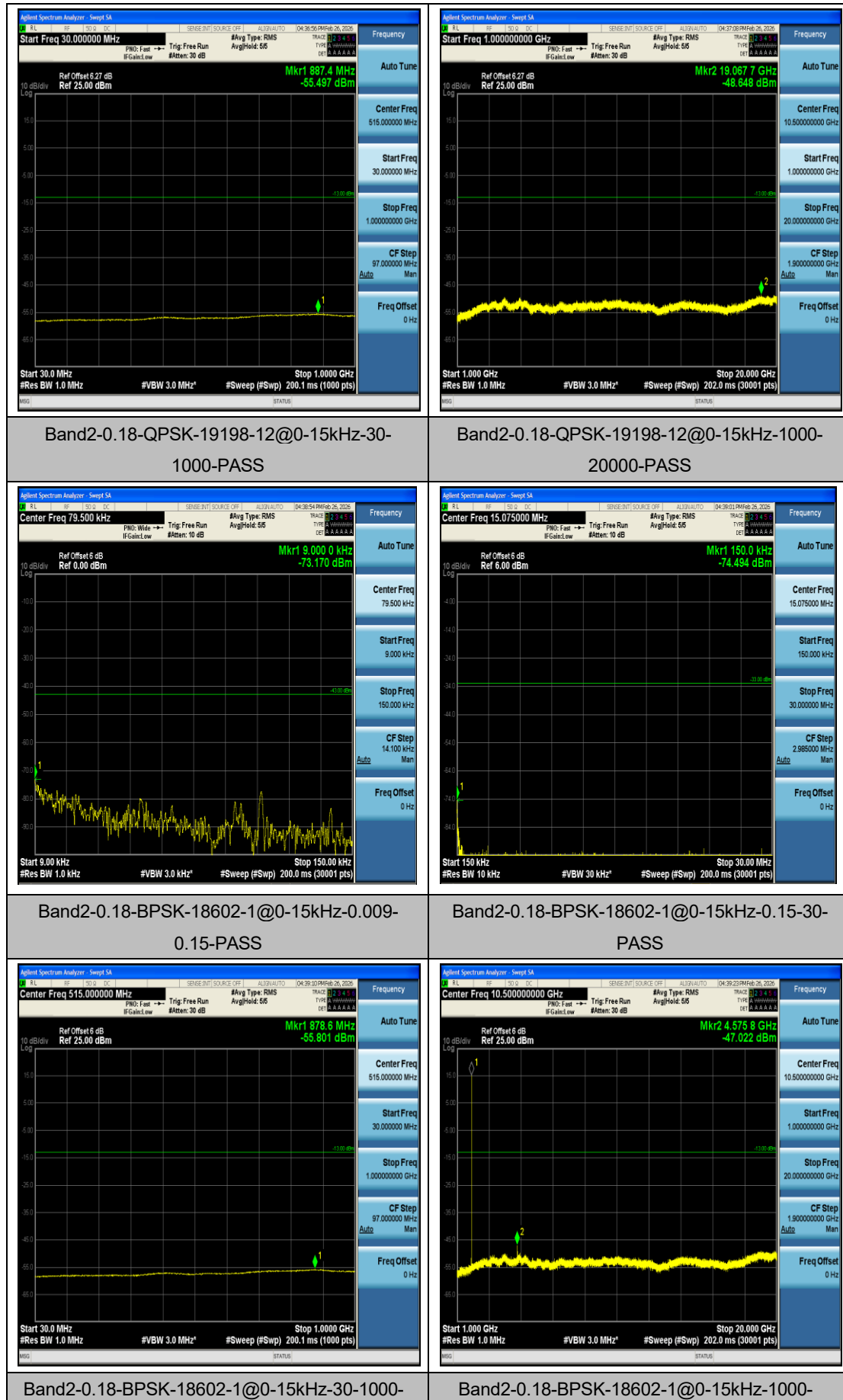


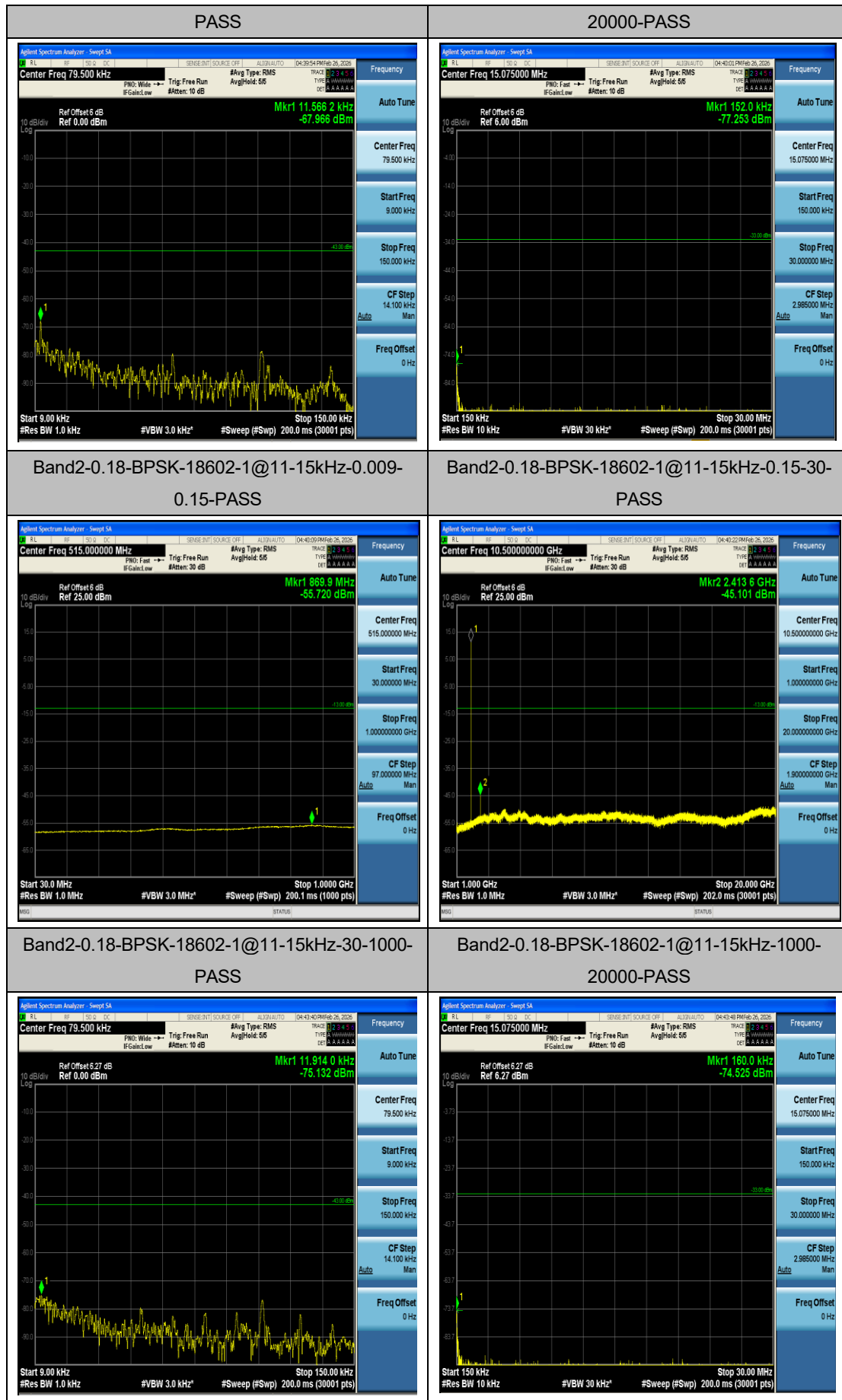


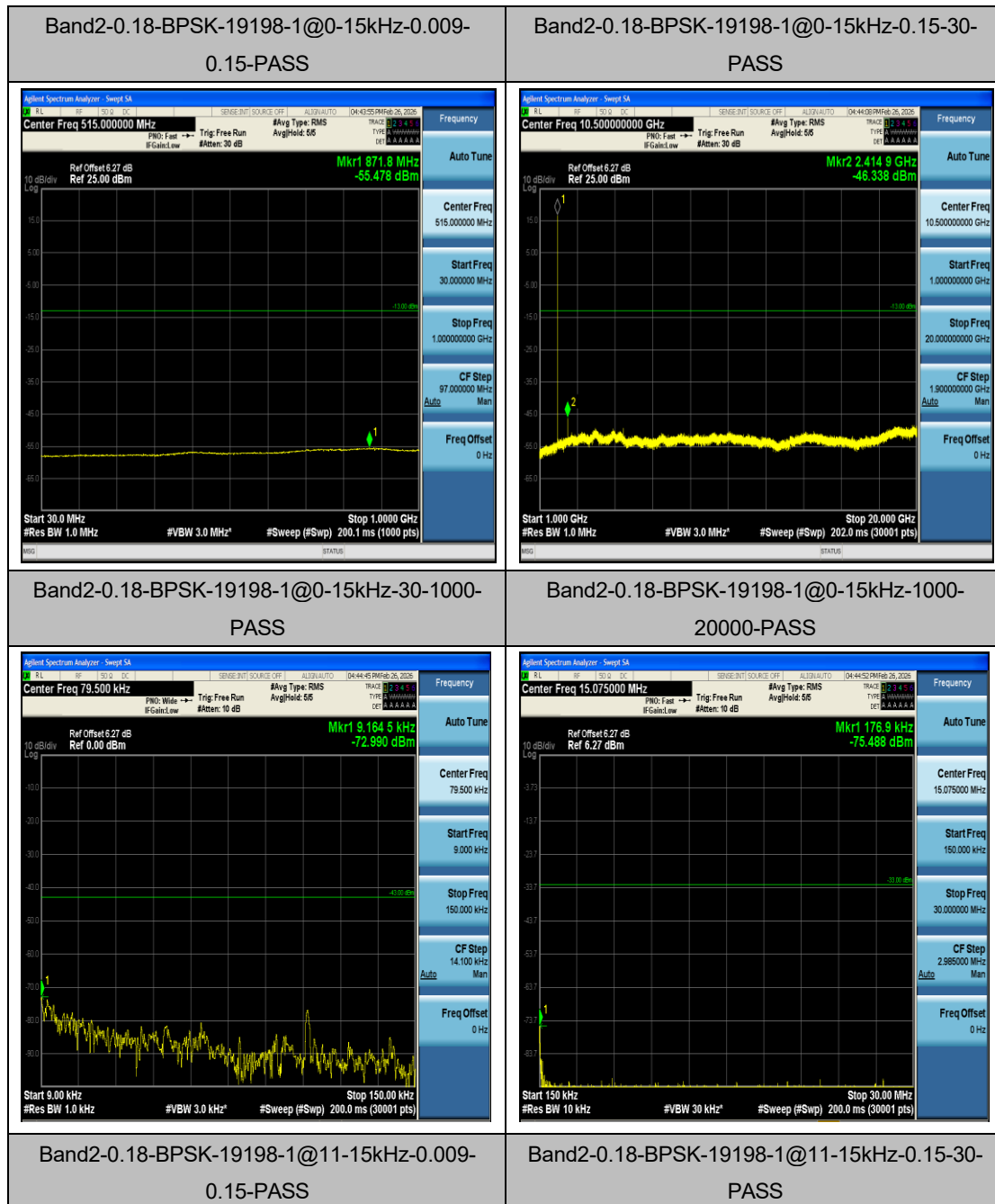


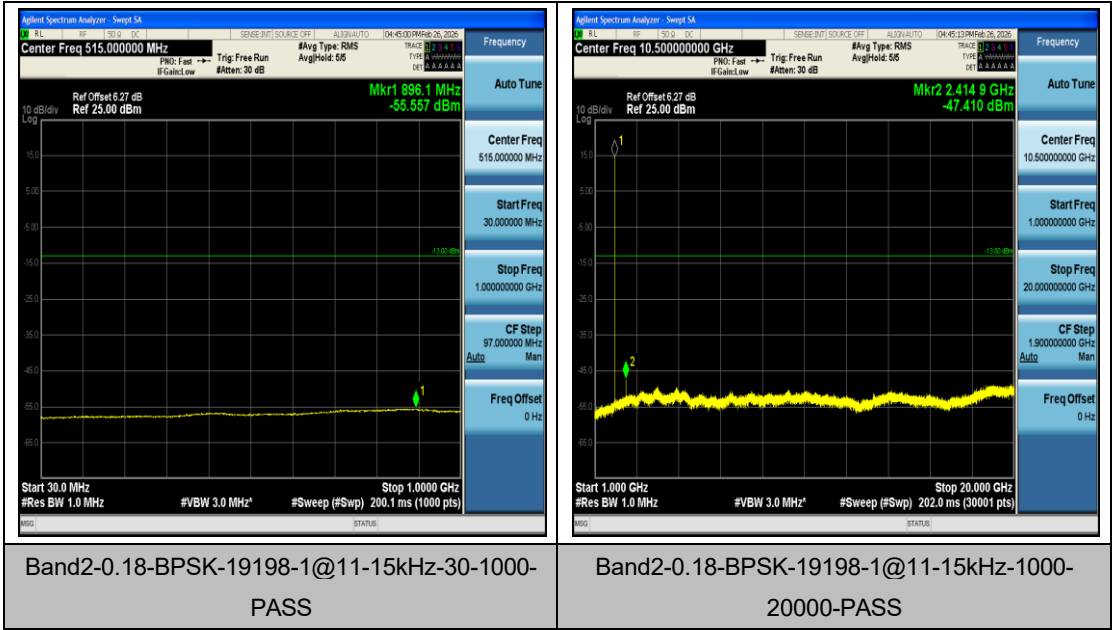












Frequency Stability for NB1

Test Result

Voltage												
Band	Op Mode	SCS	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	VN	NT	-16.05	-0.008672	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	VL	NT	-13.70	-0.007403	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	VH	NT	-16.74	-0.009045	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VN	NT	-13.16	-0.007111	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VL	NT	7.05	0.003809	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	VH	NT	-7.25	-0.003917	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VN	NT	9.87	0.005250	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VL	NT	-16.29	-0.008665	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	VH	NT	-15.15	-0.008059	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VN	NT	-5.92	-0.003149	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VL	NT	-20.97	-0.011154	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	VH	NT	-14.73	-0.007835	±2.5	PASS

Temperature												
Band	Op Mode	SCS	Band width	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	-10	-16.31	-0.008813	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	-5	-18.07	-0.009764	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	0	-12.65	-0.006835	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	5	-13.15	-0.007105	±2.5	PASS

	Alone											
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	10	-13.62	-0.007359	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	15	7.12	0.003847	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	20	-16.34	-0.008829	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	30	3.88	0.002097	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@0	NV	40	-7.54	-0.004074	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	-10	-4.88	-0.002637	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	-5	-9.64	-0.005209	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	0	-19.93	-0.010769	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	5	-12.96	-0.007003	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	10	-14.92	-0.008062	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	15	-18.74	-0.010126	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	20	-10.54	-0.005695	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	30	-16.34	-0.008829	±2.5	PASS
Band2	Stand-Alone	3.75kHz	0.18	QPSK	18876	1@47	NV	40	-16.01	-0.008651	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	-10	-18.95	-0.010080	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	-5	-16.44	-0.008745	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	0	3.72	0.001979	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	5	-16.69	-0.008878	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	10	-19.68	-0.010468	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	15	-15.25	-0.008112	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	20	-19.21	-0.010218	±2.5	PASS

Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	30	-15.05	-0.008005	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@0	NV	40	-20.10	-0.010691	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	-10	-15.21	-0.008090	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	-5	-14.83	-0.007888	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	0	-16.02	-0.008521	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	5	-17.74	-0.009436	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	10	-18.01	-0.009580	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	15	4.99	0.002654	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	20	3.45	0.001835	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	30	-13.70	-0.007287	±2.5	PASS
Band2	Stand-Alone	15kHz	0.18	QPSK	18876	1@11	NV	40	-10.93	-0.005814	±2.5	PASS