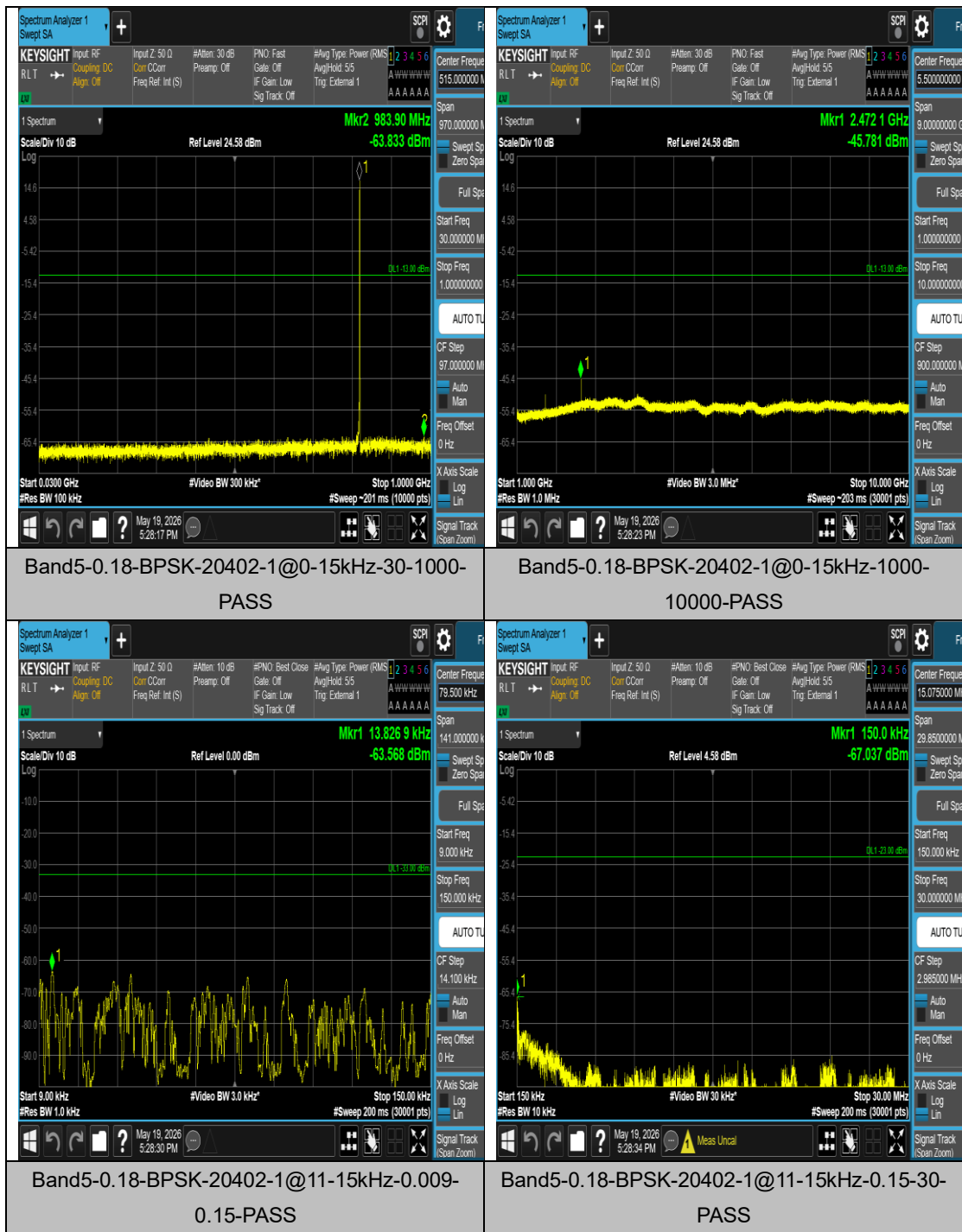
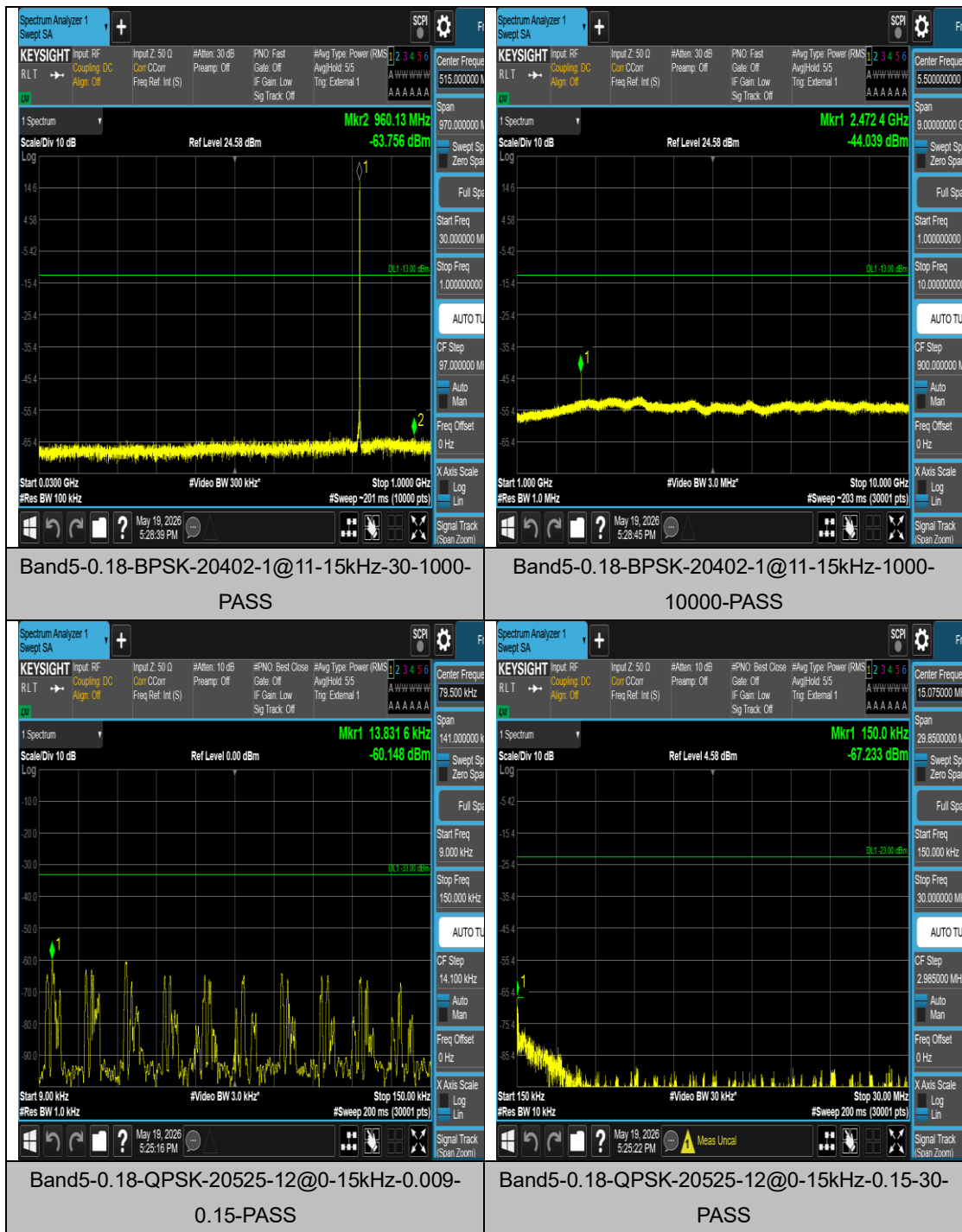
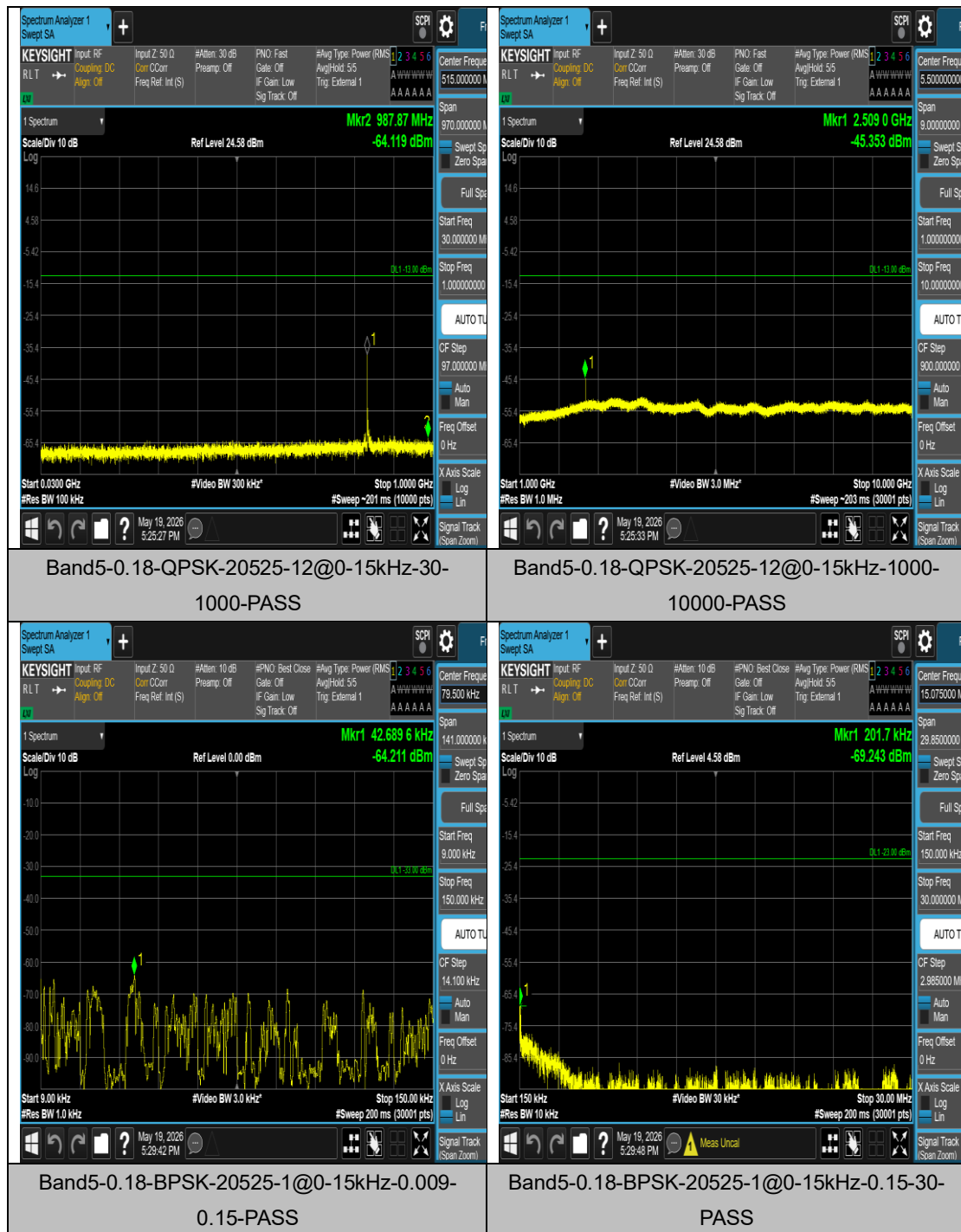
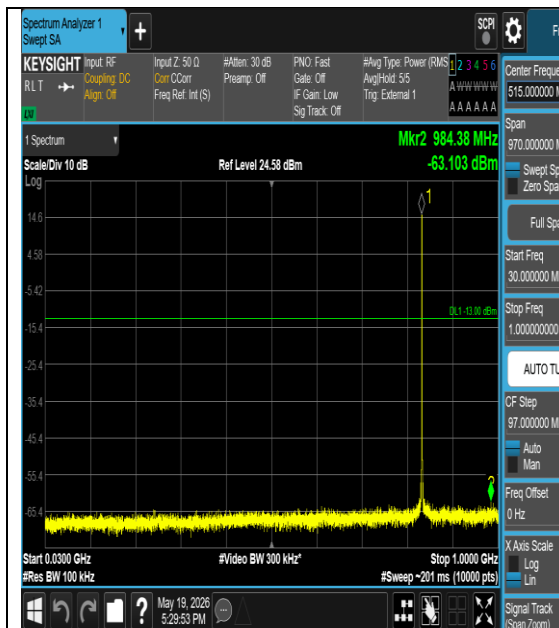


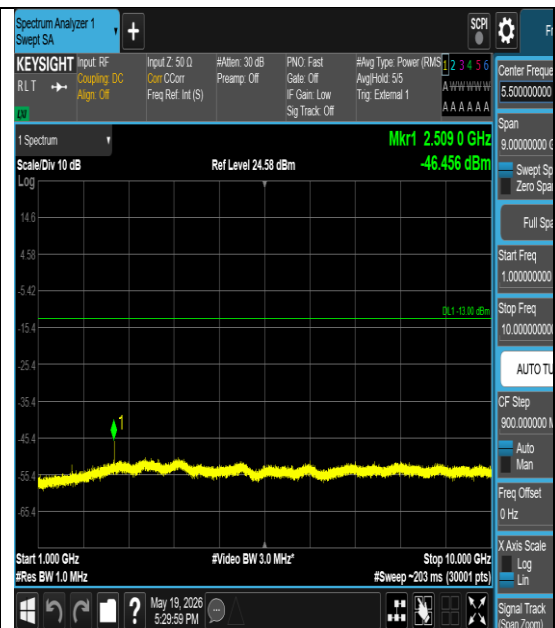




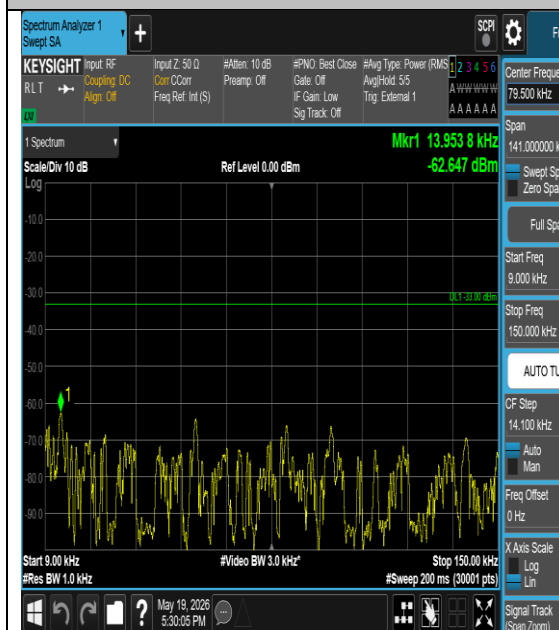




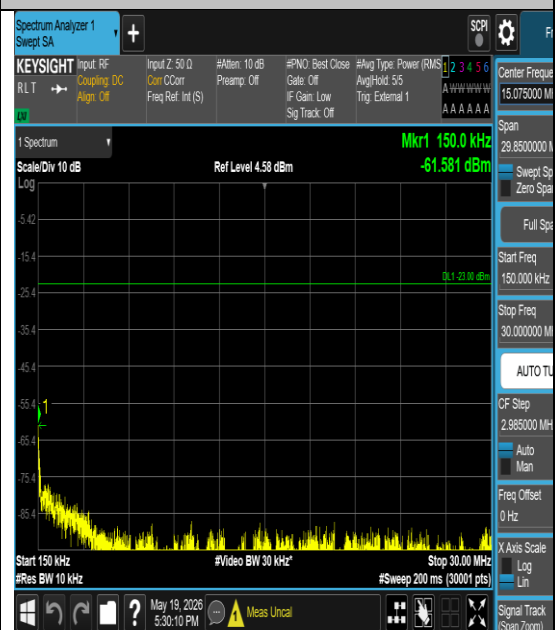
Band5-0.18-BPSK-20525-1@0-15kHz-30-1000-PASS



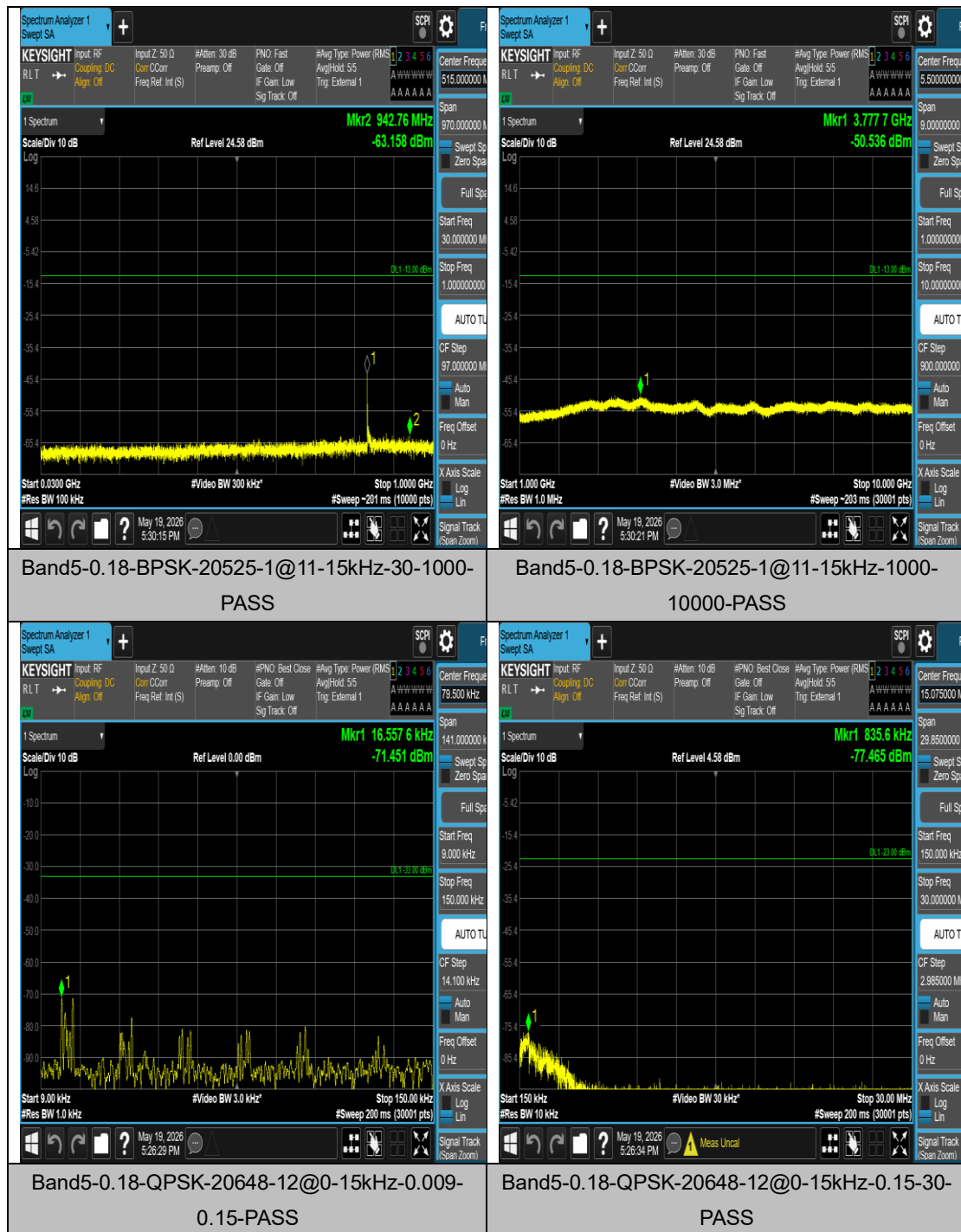
Band5-0.18-BPSK-20525-1@0-15kHz-1000-10000-PASS

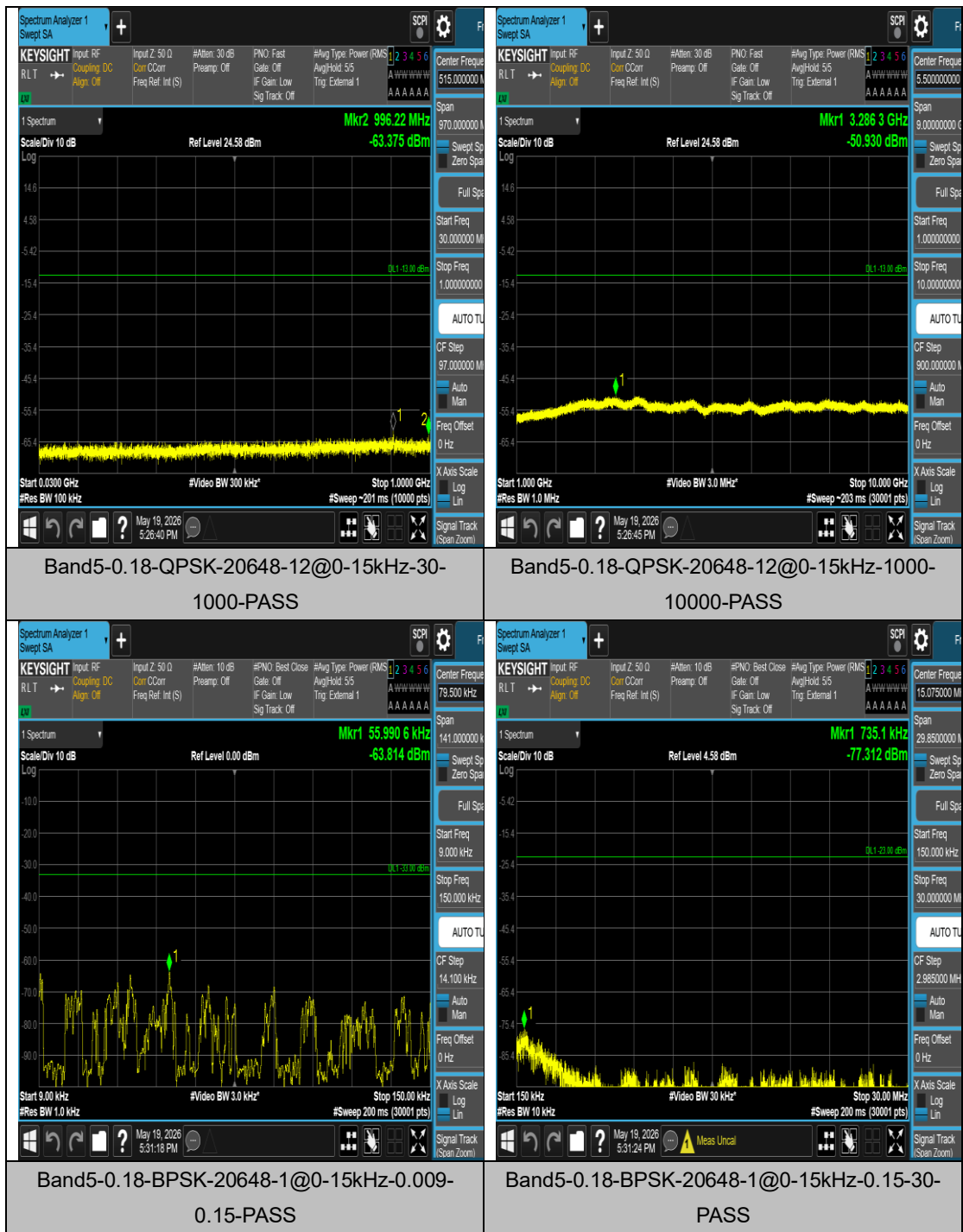


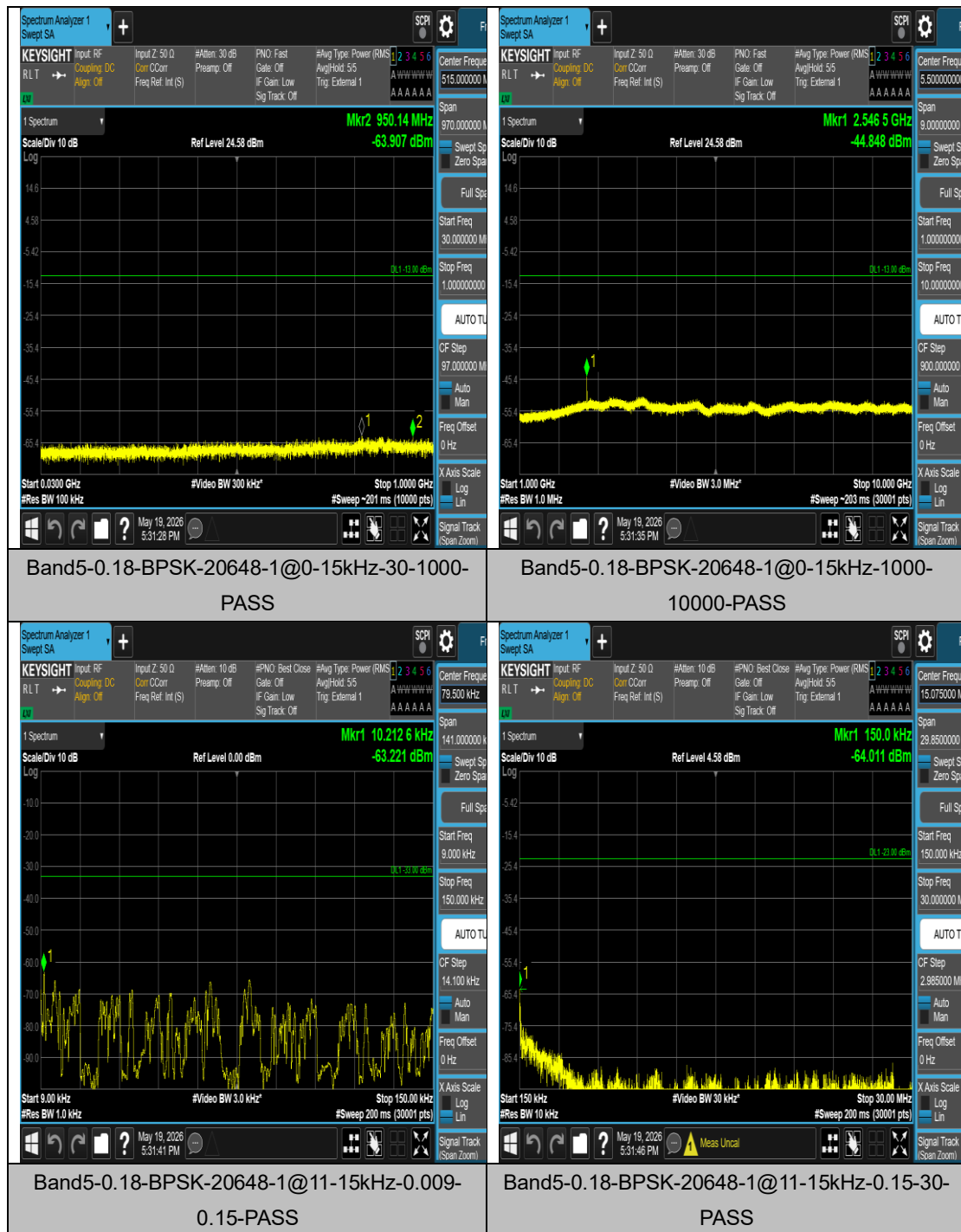
Band5-0.18-BPSK-20525-1@11-15kHz-0.009-0.15-PASS

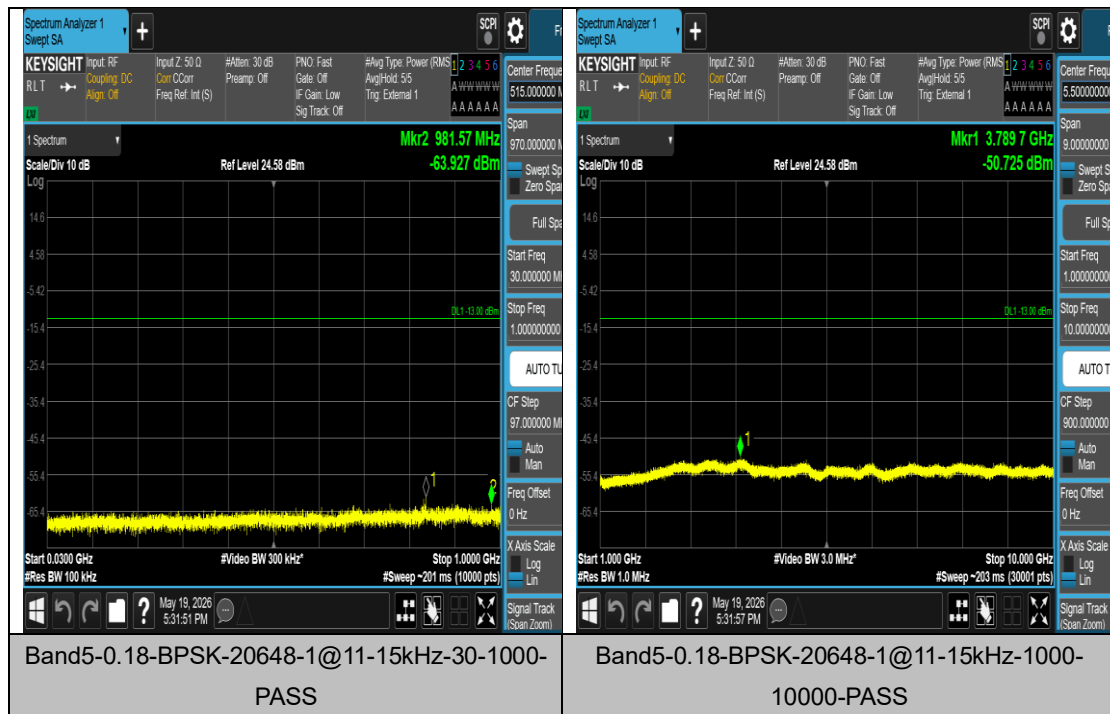


Band5-0.18-BPSK-20525-1@11-15kHz-0.15-30-PASS









Appendix F: Frequency Stability for NB1

Test Result

Voltage												
Band	OpMode	SCS	Bandwidth	Modulation	Channel	Tones	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	Stand-Alone	3.75 kHz	0.18	QPSK	20525	1@0	VL	NT	-5.40	-0.006455	±2.5	PASS
Band5	Stand-Alone	3.75 kHz	0.18	QPSK	20525	1@0	VN	NT	-6.00	-0.007173	±2.5	PASS
Band5	Stand-Alone	3.75 kHz	0.18	QPSK	20525	1@0	VH	NT	-6.10	-0.007292	±2.5	PASS
Band5	Stand-Alone	3.75 kHz	0.18	QPSK	20525	1@47	VL	NT	-4.70	-0.005619	±2.5	PASS
Band5	Stand-Alone	3.75 kHz	0.18	QPSK	20525	1@47	VN	NT	-4.40	-0.005260	±2.5	PASS
Band5	Stand-Alone	3.75 kHz	0.18	QPSK	20525	1@47	VH	NT	-4.70	-0.005619	±2.5	PASS
Band5	Stand-Alone	15k Hz	0.18	QPSK	20525	1@0	VL	NT	-2.90	-0.003467	±2.5	PASS
Band5	Stand-Alone	15k Hz	0.18	QPSK	20525	1@0	VN	NT	-0.60	-0.000717	±2.5	PASS
Band5	Stand-Alone	15k Hz	0.18	QPSK	20525	1@0	VH	NT	-3.70	-0.004423	±2.5	PASS

Band 5	Stand-Alone	15k Hz	0.18	QPSK	20525	1@11	VL	NT	-2.80	-0.003347	±2.5	PASS
Band 5	Stand-Alone	15k Hz	0.18	QPSK	20525	1@11	VN	NT	-3.20	-0.003825	±2.5	PASS
Band 5	Stand-Alone	15k Hz	0.18	QPSK	20525	1@11	VH	NT	-3.40	-0.004065	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band 5	Stand-Alone	3.75k Hz	0.18	QPSK	20525	1@0	NV	-30	-4.40	-0.005260	±2.5	PASS
Band 5	Stand-Alone	3.75k Hz	0.18	QPSK	20525	1@0	NV	-20	-4.30	-0.005140	±2.5	PASS
Band 5	Stand-Alone	3.75k Hz	0.18	QPSK	20525	1@0	NV	-10	-4.40	-0.005260	±2.5	PASS
Band 5	Stand-Alone	3.75k Hz	0.18	QPSK	20525	1@0	NV	0	-4.30	-0.005140	±2.5	PASS
Band 5	Stand-Alone	3.75k Hz	0.18	QPSK	20525	1@0	NV	10	-5.00	-0.005977	±2.5	PASS
Band 5	Stand-Alone	3.75k Hz	0.18	QPSK	20525	1@0	NV	20	-4.80	-0.005738	±2.5	PASS
Band 5	Stand-	3.75k Hz	0.18	QPSK	20525	1@0	NV	30	-5.00	-0.005	±2.5	PASS

	Alone									977		
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@0	NV	40	-5.40	-0.006455	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@0	NV	50	-4.90	-0.005858	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@47	NV	-30	-4.70	-0.005619	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@47	NV	-20	-5.00	-0.005977	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@47	NV	-10	-4.80	-0.005738	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@47	NV	0	-4.90	-0.005858	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@47	NV	10	-5.10	-0.006097	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@47	NV	20	-4.90	-0.005858	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@47	NV	30	-5.50	-0.006575	±2.5	PASS
Band5	Standard-Alone	3.75k Hz	0.18	QPSK	20525	1@47	NV	40	-3.40	-0.004065	±2.5	PASS
Band	Standard	3.75k	0.18	QPSK	205	1@	NV	50	-4.90	-	±2.	PAS

d5	d-Alone	Hz		K	25	47				0.005858	5	S
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	-30	-3.20	-0.003825	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	-20	-2.60	-0.003108	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	-10	-5.20	-0.006216	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	0	-4.70	-0.005619	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	10	-5.10	-0.006097	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	20	-4.70	-0.005619	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	30	-4.10	-0.004901	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	40	-4.10	-0.004901	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@0	NV	50	-3.90	-0.004662	±2.5	PASS
Band5	Standard-Alone	15kHz	0.18	QPSK	20525	1@11	NV	-30	-0.80	-0.000956	±2.5	PASS

Band 5	Stand-Alone	15kHz	0.18	QPSK	20525	1@11	NV	-20	-2.60	-0.003108	±2.5	PASS
Band 5	Stand-Alone	15kHz	0.18	QPSK	20525	1@11	NV	-10	-1.60	-0.001913	±2.5	PASS
Band 5	Stand-Alone	15kHz	0.18	QPSK	20525	1@11	NV	0	-2.30	-0.002750	±2.5	PASS
Band 5	Stand-Alone	15kHz	0.18	QPSK	20525	1@11	NV	10	-3.60	-0.004304	±2.5	PASS
Band 5	Stand-Alone	15kHz	0.18	QPSK	20525	1@11	NV	20	-4.90	-0.005858	±2.5	PASS
Band 5	Stand-Alone	15kHz	0.18	QPSK	20525	1@11	NV	30	-4.70	-0.005619	±2.5	PASS
Band 5	Stand-Alone	15kHz	0.18	QPSK	20525	1@11	NV	40	-4.20	-0.005021	±2.5	PASS
Band 5	Stand-Alone	15kHz	0.18	QPSK	20525	1@11	NV	50	-3.40	-0.004065	±2.5	PASS