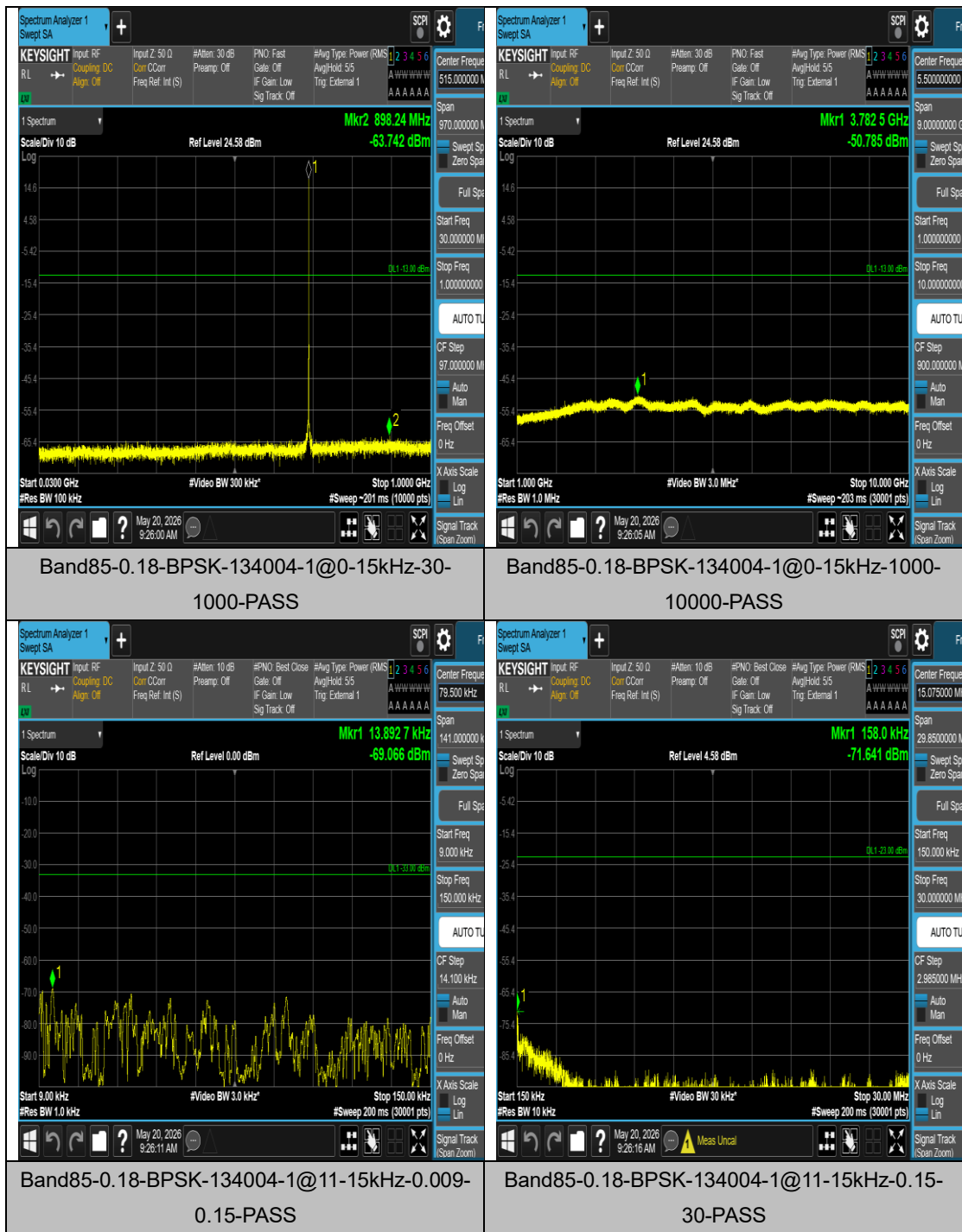
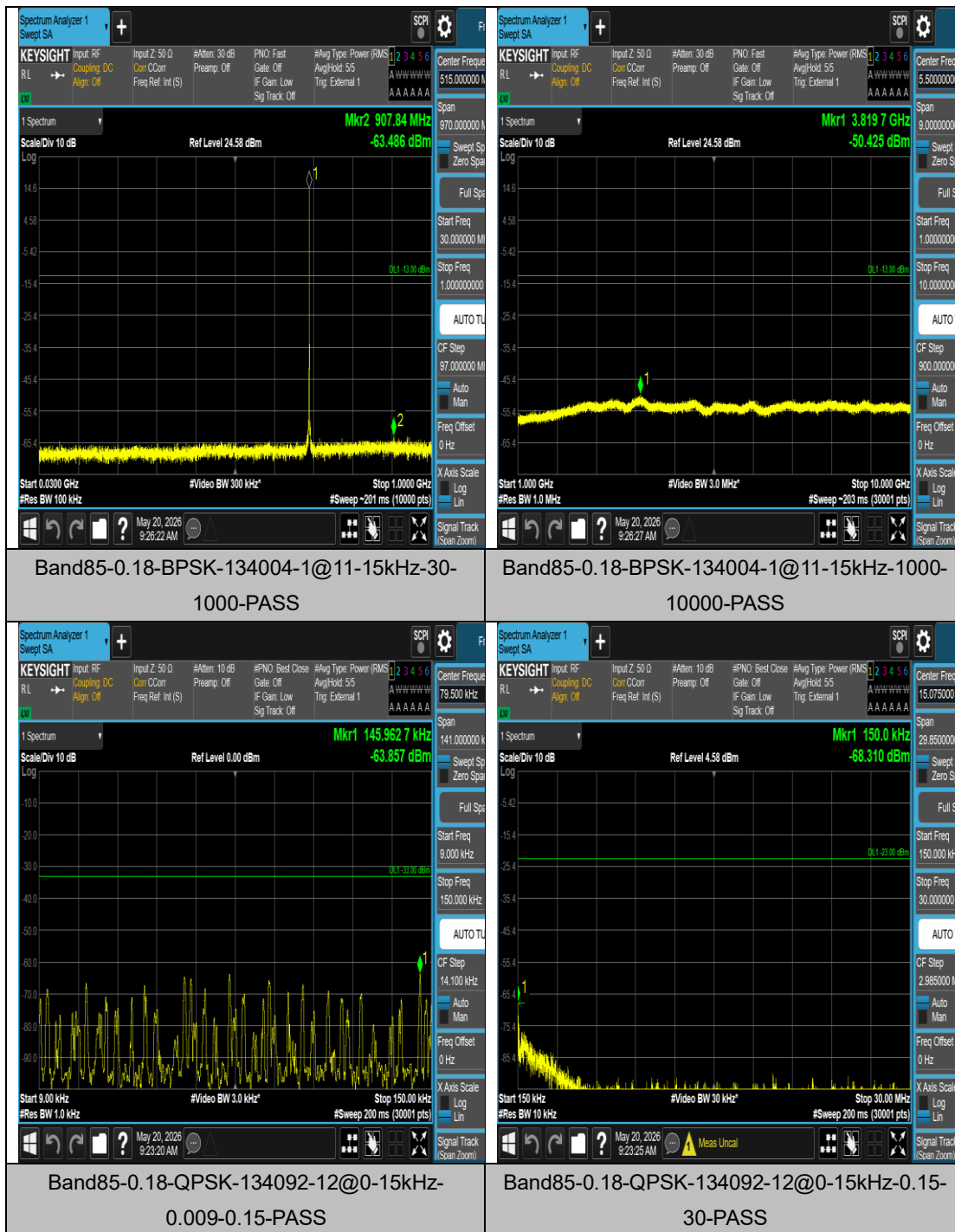
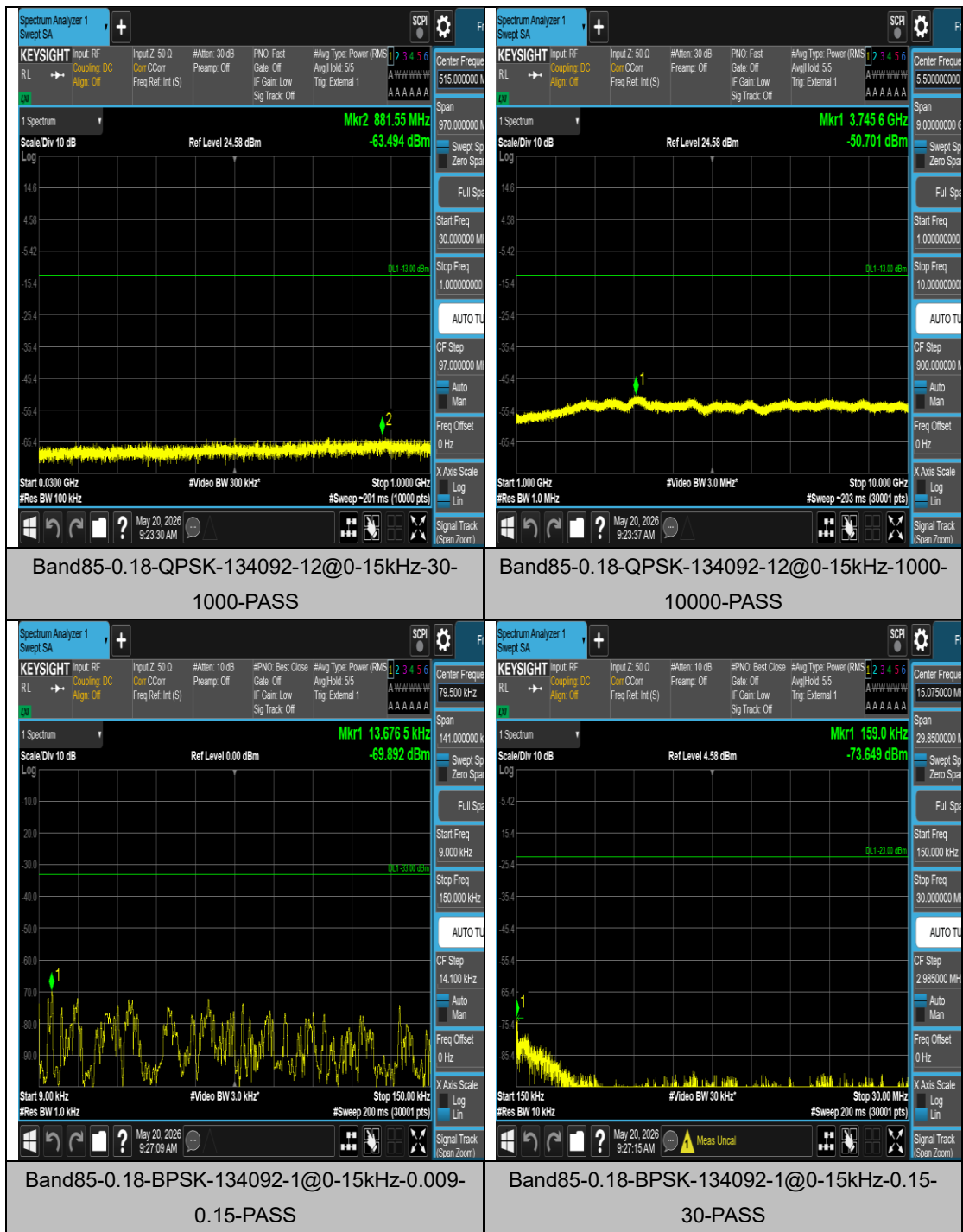
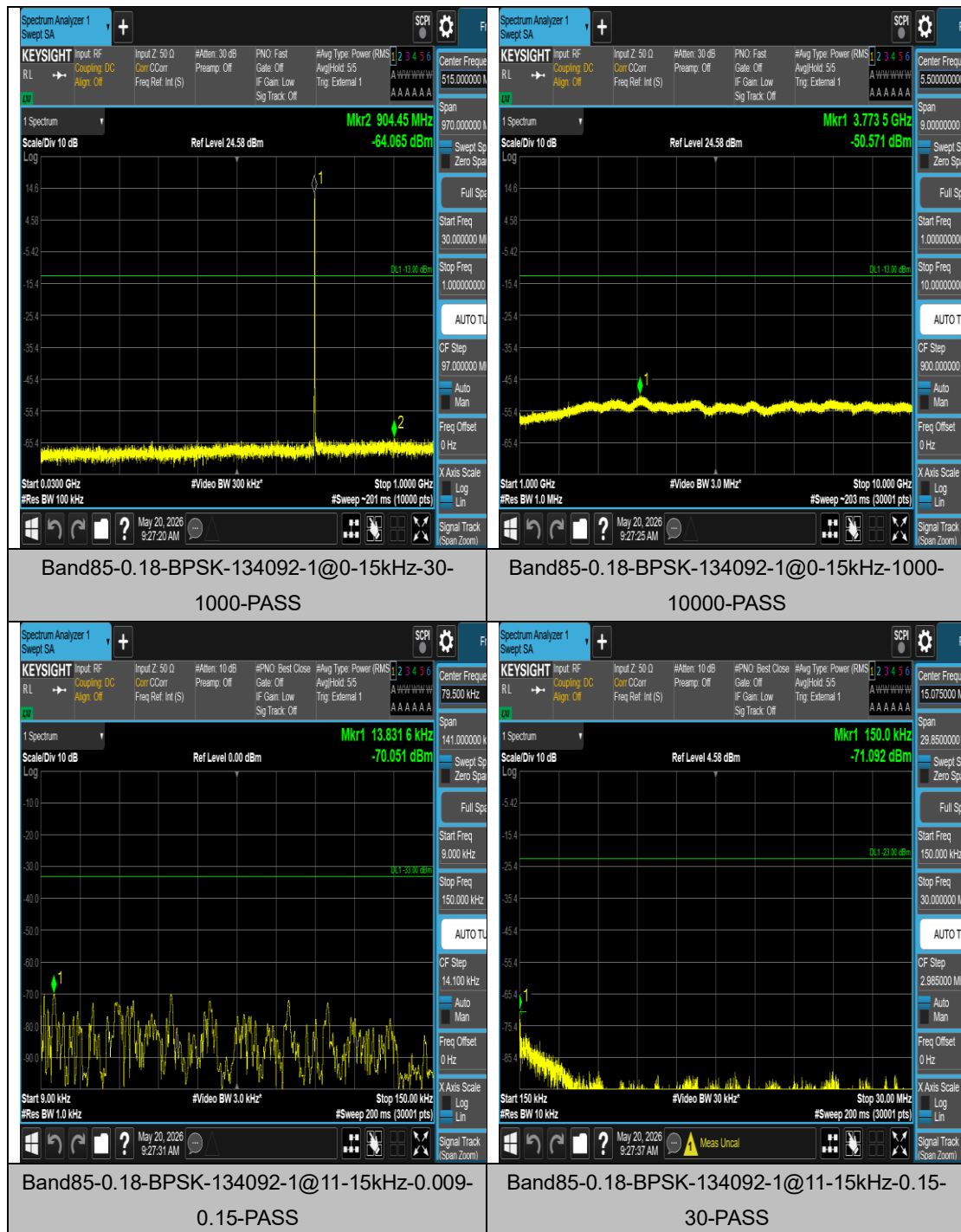
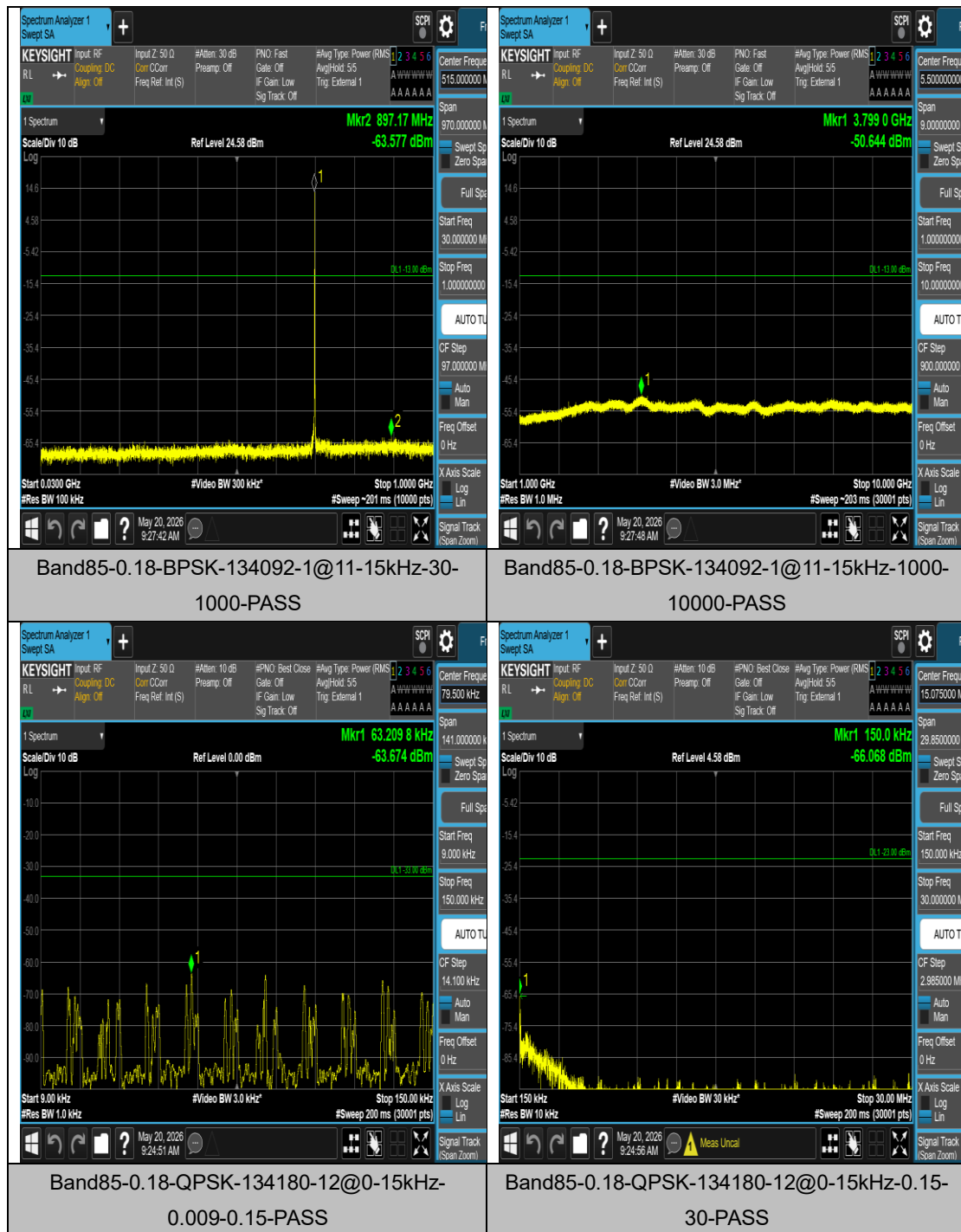


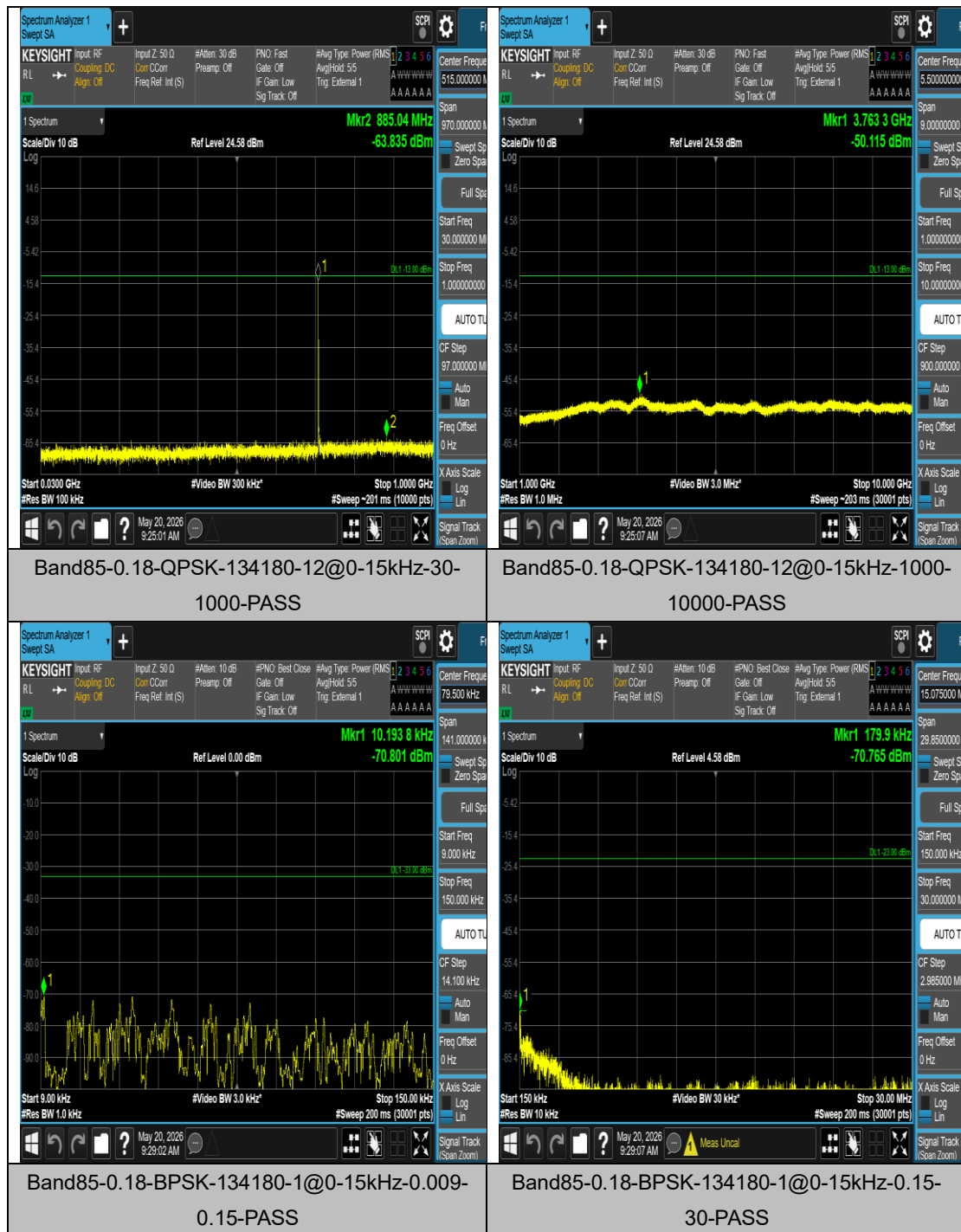


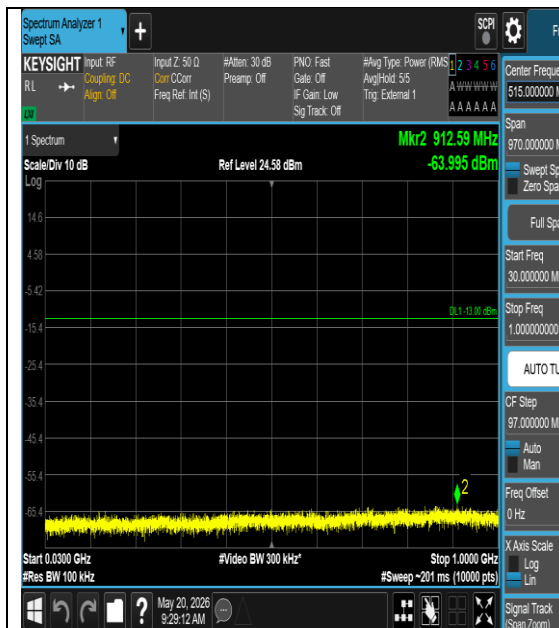




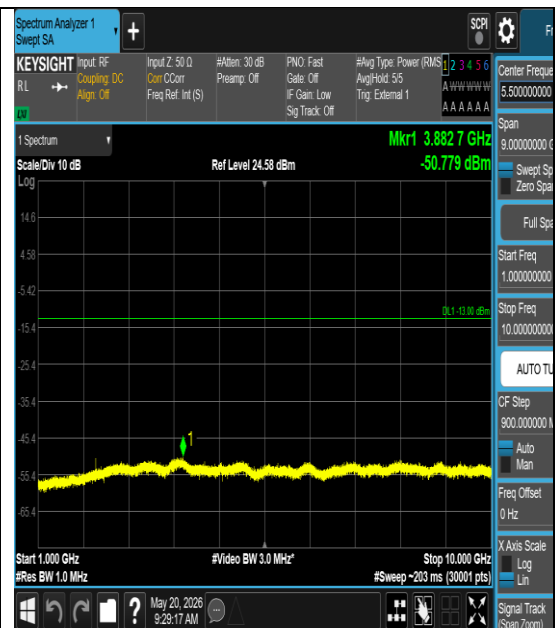




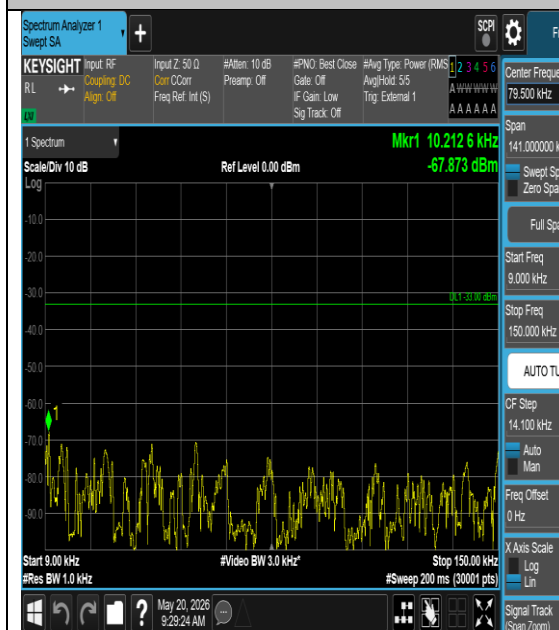




Band85-0.18-BPSK-134180-1@0-15kHz-30-1000-PASS



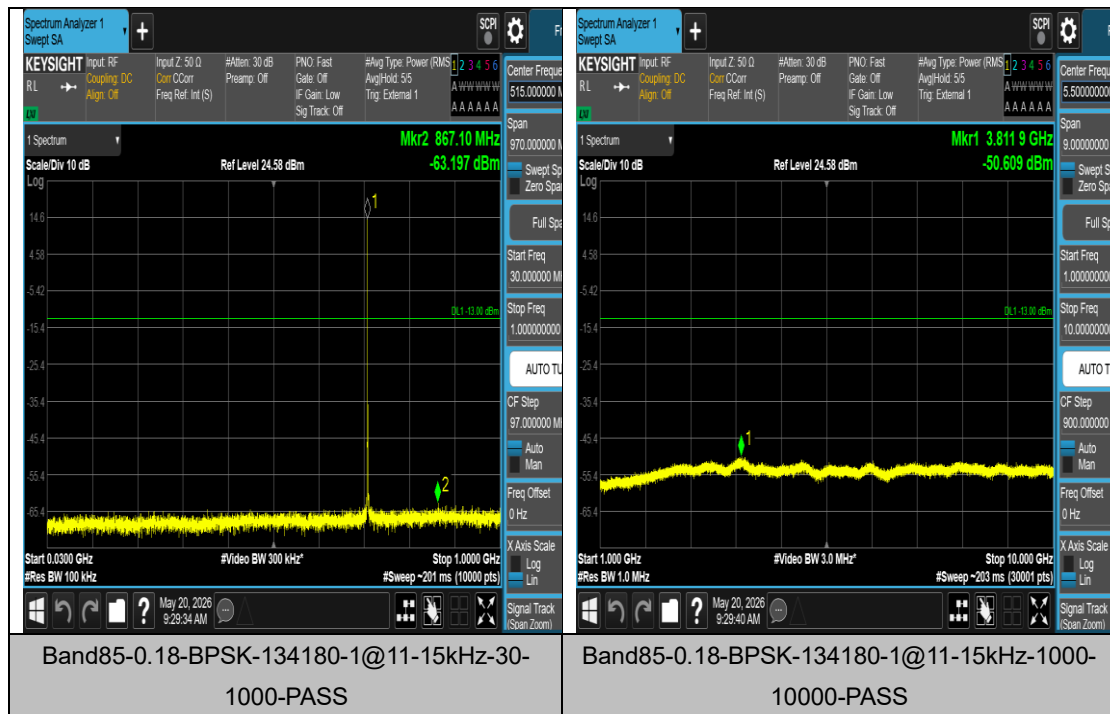
Band85-0.18-BPSK-134180-1@0-15kHz-1000-10000-PASS



Band85-0.18-BPSK-134180-1@11-15kHz-0.009-0.15-PASS



Band85-0.18-BPSK-134180-1@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
Band85	Stand-Alone	3.75 kHz	0.18	QPSK	134092	1@0	VL	NT	-0.40	-0.000566	±2.5	PASS
Band85	Stand-Alone	3.75 kHz	0.18	QPSK	134092	1@0	VN	NT	-0.70	-0.000990	±2.5	PASS
Band85	Stand-Alone	3.75 kHz	0.18	QPSK	134092	1@0	VH	NT	-0.80	-0.001132	±2.5	PASS
Band85	Stand-Alone	3.75 kHz	0.18	QPSK	134092	1@47	VL	NT	-1.60	-0.002263	±2.5	PASS
Band85	Stand-Alone	3.75 kHz	0.18	QPSK	134092	1@47	VN	NT	3.00	0.004243	±2.5	PASS
Band85	Stand-Alone	3.75 kHz	0.18	QPSK	134092	1@47	VH	NT	-0.80	-0.001132	±2.5	PASS
Band85	Stand-Alone	15kHz	0.18	QPSK	134092	1@0	VL	NT	0.50	0.000707	±2.5	PASS
Band85	Stand-Alone	15kHz	0.18	QPSK	134092	1@0	VN	NT	0.80	0.001132	±2.5	PASS
Band85	Stand-Alone	15kHz	0.18	QPSK	134092	1@0	VH	NT	-1.30	-0.001839	±2.5	PASS

Ban d85	Stan d- Alon e	15k Hz	0.18	QPSK	134 092	1@ 11	VL	NT	-1.20	- 0.001 697	±2. 5	PA SS
Ban d85	Stan d- Alon e	15k Hz	0.18	QPSK	134 092	1@ 11	VN	NT	0.60	0.000 849	±2. 5	PA SS
Ban d85	Stan d- Alon e	15k Hz	0.18	QPSK	134 092	1@ 11	VH	NT	1.30	0.001 839	±2. 5	PA SS

Temperature												
Band	OpM ode	Bandw idth	Modula tion	Chan nel	Ton es	SC S	Volt age [Vdc]	Temper ature (°C)	Devia tion (Hz)	Devia tion (ppm)	Lim it (pp m)	Ver dict
Ban d85	Stan d- Alon e	3.75k Hz	0.18	QPS K	134 092	1@ 0	NV	-30	-1.00	- 0.001 414	±2. 5	PA SS
Ban d85	Stan d- Alon e	3.75k Hz	0.18	QPS K	134 092	1@ 0	NV	-20	-1.20	- 0.001 697	±2. 5	PA SS
Ban d85	Stan d- Alon e	3.75k Hz	0.18	QPS K	134 092	1@ 0	NV	-10	0.40	0.000 566	±2. 5	PA SS
Ban d85	Stan d- Alon e	3.75k Hz	0.18	QPS K	134 092	1@ 0	NV	0	-0.30	- 0.000 424	±2. 5	PA SS
Ban d85	Stan d- Alon e	3.75k Hz	0.18	QPS K	134 092	1@ 0	NV	10	-0.70	- 0.000 990	±2. 5	PA SS
Ban d85	Stan d- Alon e	3.75k Hz	0.18	QPS K	134 092	1@ 0	NV	20	-0.10	- 0.000 141	±2. 5	PA SS
Ban d85	Stan d-	3.75k Hz	0.18	QPS K	134 092	1@ 0	NV	30	-0.30	- 0.000	±2. 5	PA SS

	Alone									424		
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@0	NV	40	0.00	0.000000	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@0	NV	50	-0.40	-0.000566	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@47	NV	-30	0.60	0.000849	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@47	NV	-20	0.10	0.000141	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@47	NV	-10	0.30	0.000424	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@47	NV	0	1.50	0.002122	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@47	NV	10	0.70	0.000990	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@47	NV	20	1.00	0.001414	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@47	NV	30	1.20	0.001697	±2.5	PASS
Band85	Stand-Alone	3.75k Hz	0.18	QPSK	134092	1@47	NV	40	-0.60	-0.000849	±2.5	PASS
Band	Stand	3.75k	0.18	QPS	134	1@	NV	50	-0.30	-	±2.	PA

d85	d-Alone	Hz		K	092	47				0.000 424	5	SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	-30	-2.30	- 0.003 253	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	-20	1.10	0.001 556	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	-10	0.90	0.001 273	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	0	-0.50	- 0.000 707	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	10	-2.40	- 0.003 395	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	20	-1.50	- 0.002 122	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	30	-0.90	- 0.001 273	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	40	-1.00	- 0.001 414	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 0	NV	50	-0.90	- 0.001 273	±2. 5	PA SS
Ban d85	Stan d-Alone	15kHz	0.18	QPS K	134 092	1@ 11	NV	-30	0.50	0.000 707	±2. 5	PA SS

Ban d85	Stan d- Alon e	15kHz	0.18	QPS K	134 092	1@ 11	NV	-20	-0.10	- 0.000 141	±2. 5	PA SS
Ban d85	Stan d- Alon e	15kHz	0.18	QPS K	134 092	1@ 11	NV	-10	-0.30	- 0.000 424	±2. 5	PA SS
Ban d85	Stan d- Alon e	15kHz	0.18	QPS K	134 092	1@ 11	NV	0	-0.20	- 0.000 283	±2. 5	PA SS
Ban d85	Stan d- Alon e	15kHz	0.18	QPS K	134 092	1@ 11	NV	10	-0.10	- 0.000 141	±2. 5	PA SS
Ban d85	Stan d- Alon e	15kHz	0.18	QPS K	134 092	1@ 11	NV	20	0.00	0.000 000	±2. 5	PA SS
Ban d85	Stan d- Alon e	15kHz	0.18	QPS K	134 092	1@ 11	NV	30	0.20	0.000 283	±2. 5	PA SS
Ban d85	Stan d- Alon e	15kHz	0.18	QPS K	134 092	1@ 11	NV	40	-1.10	- 0.001 556	±2. 5	PA SS
Ban d85	Stan d- Alon e	15kHz	0.18	QPS K	134 092	1@ 11	NV	50	-1.10	- 0.001 556	±2. 5	PA SS