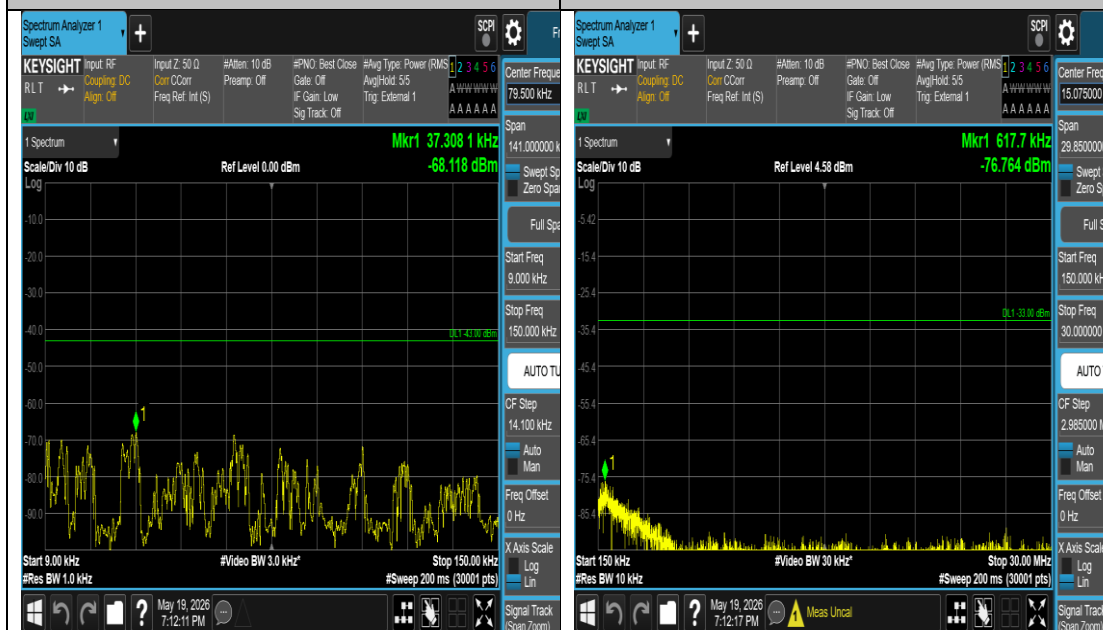




Band25-0.18-BPSK-26042-1@0-15kHz-30-1000-PASS

Band25-0.18-BPSK-26042-1@0-15kHz-1000-20000-PASS



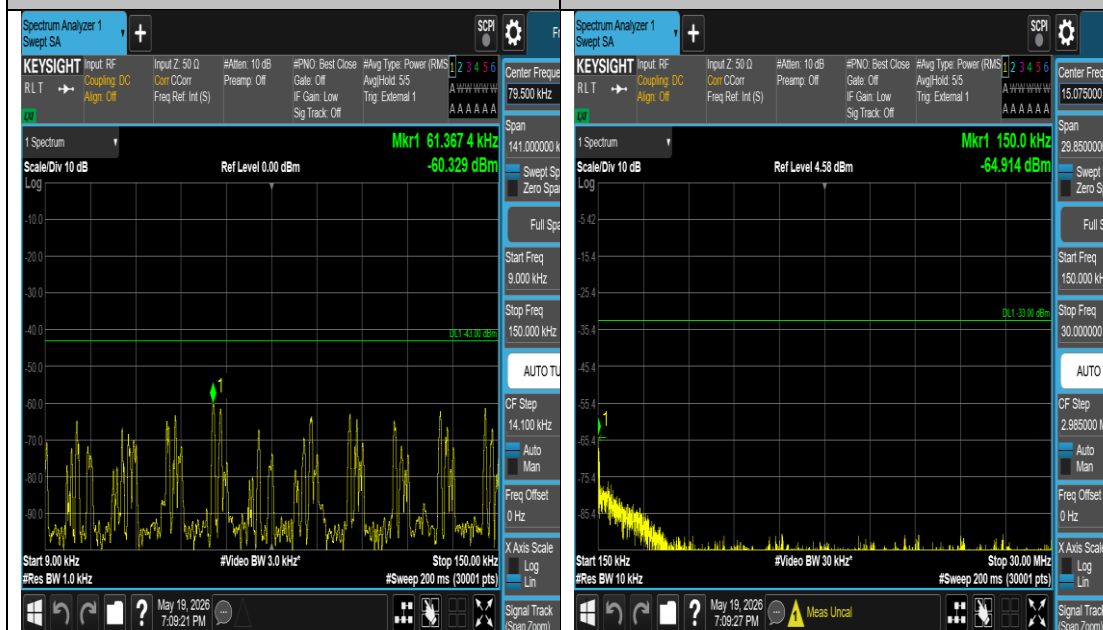
Band25-0.18-BPSK-26042-1@11-15kHz-0.009-0.15-PASS

Band25-0.18-BPSK-26042-1@11-15kHz-0.15-30-PASS



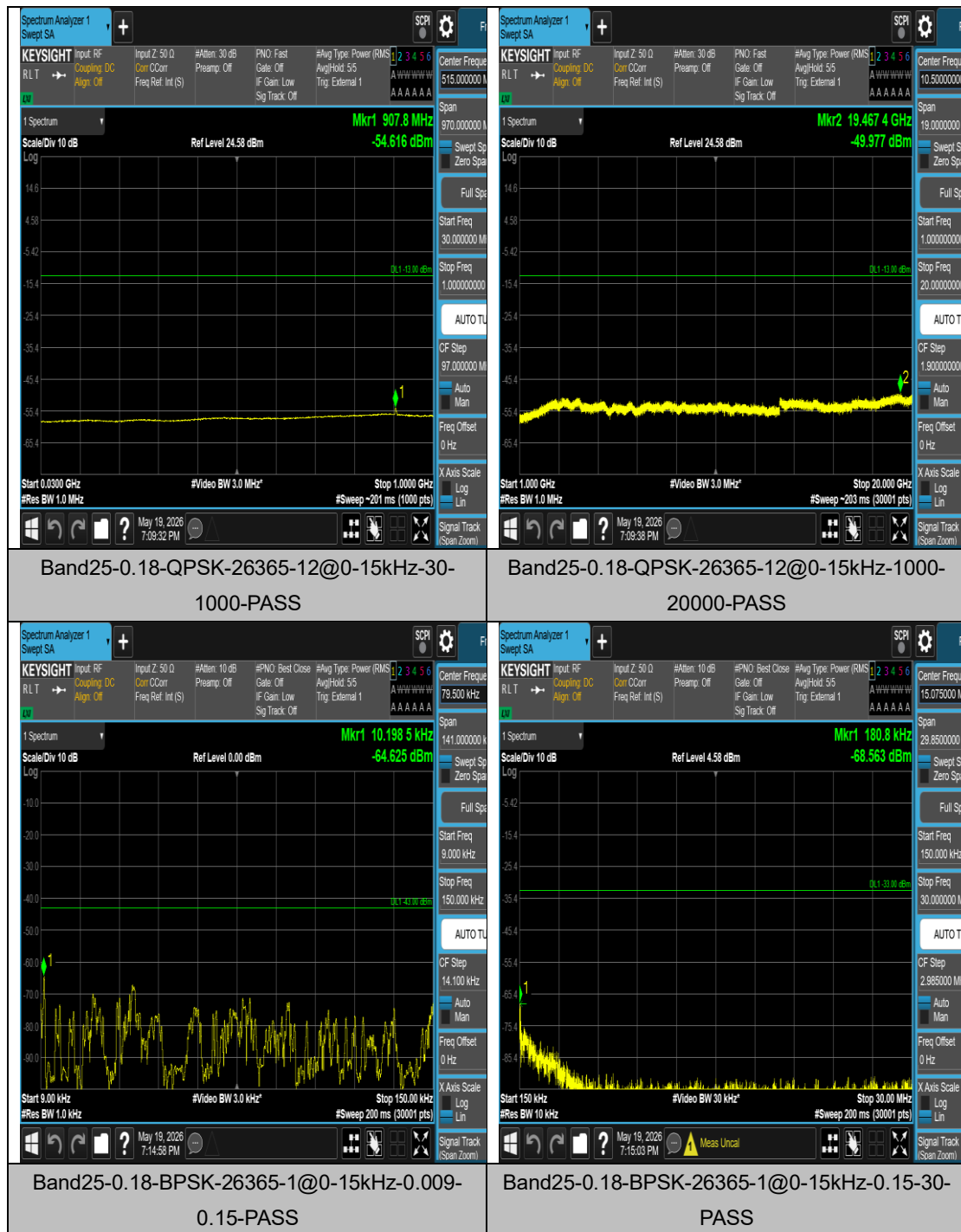
Band25-0.18-BPSK-26042-1@11-15kHz-30-
1000-PASS

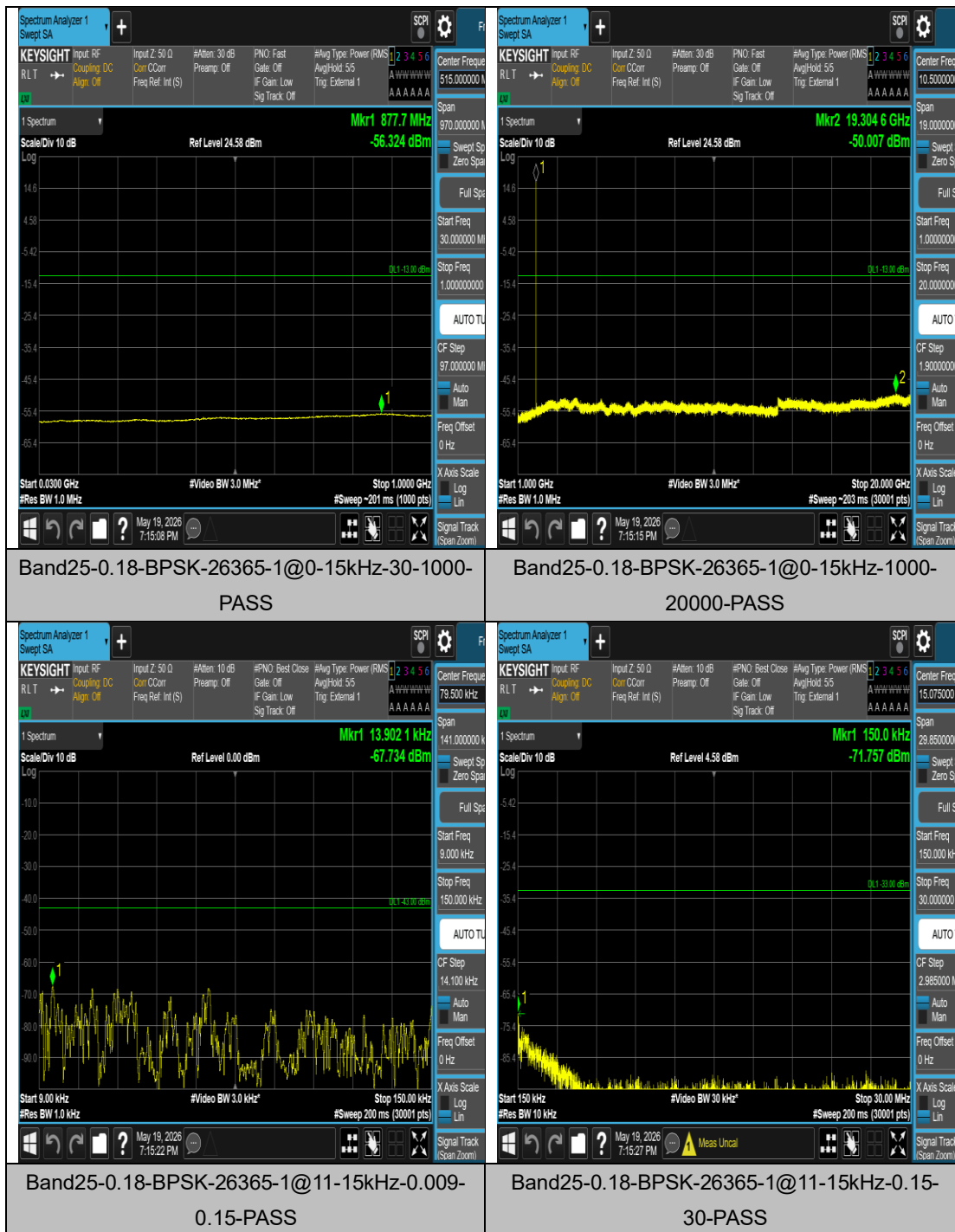
Band25-0.18-BPSK-26042-1@11-15kHz-1000-
20000-PASS

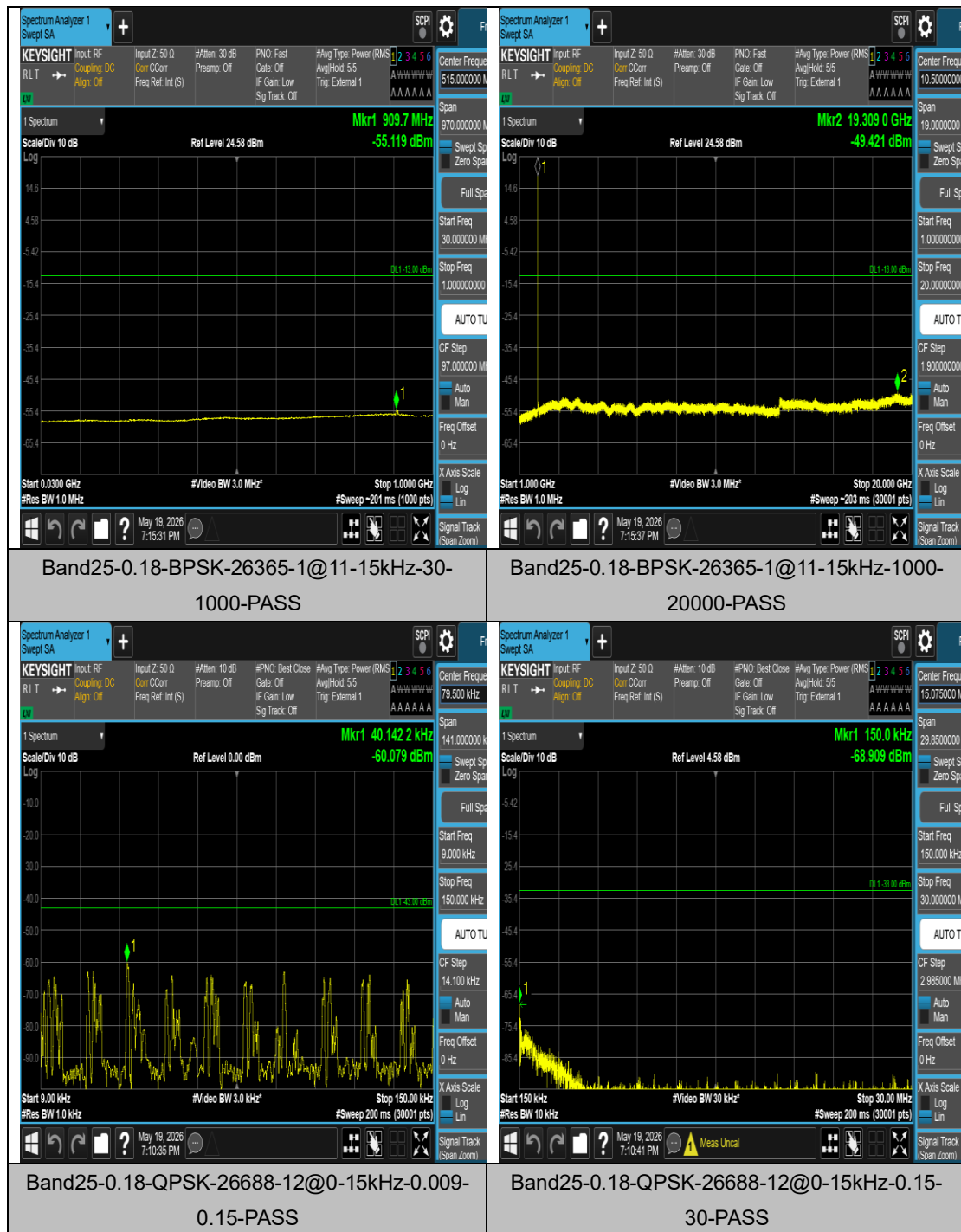


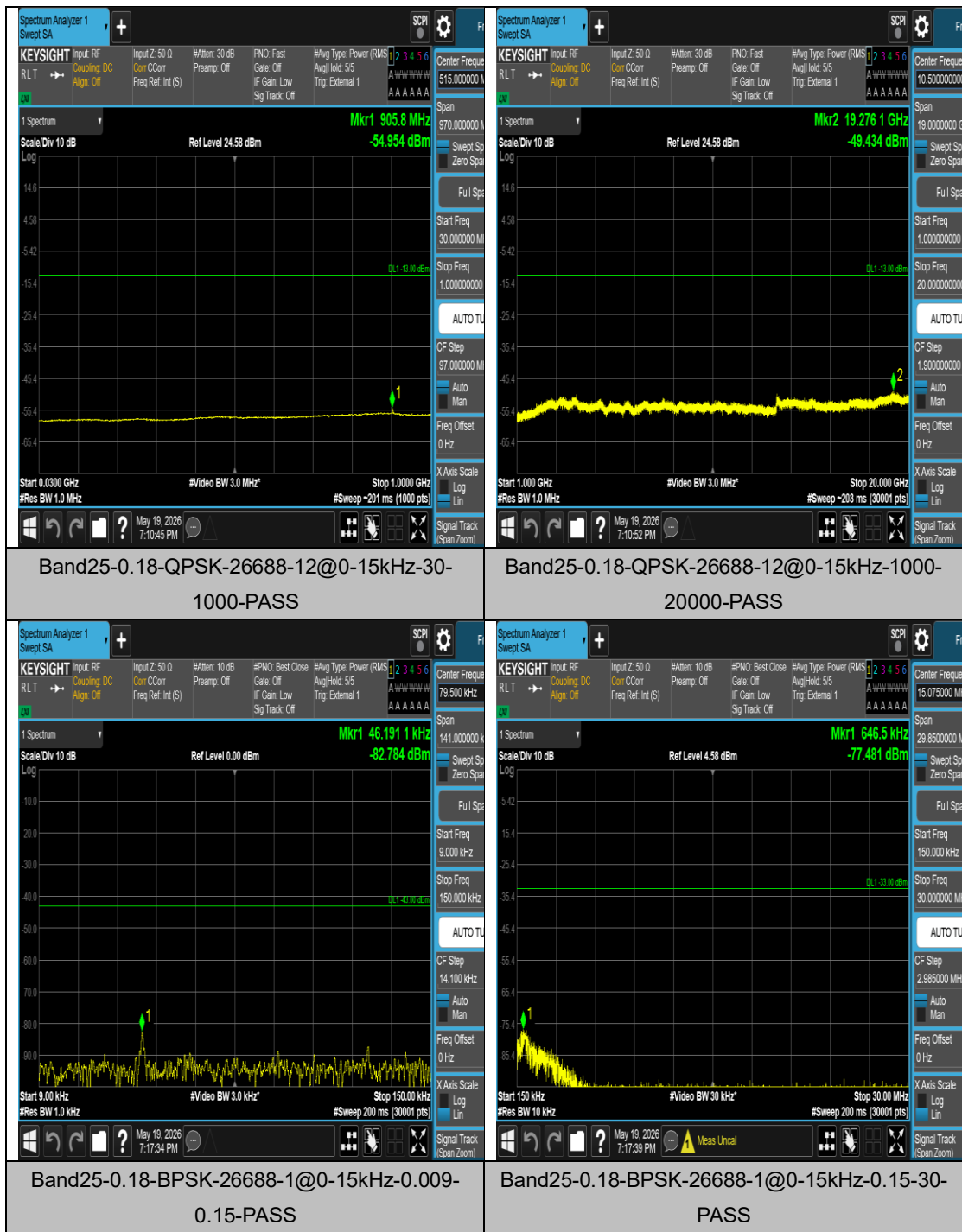
Band25-0.18-QPSK-26365-12@0-15kHz-0.009-
0.15-PASS

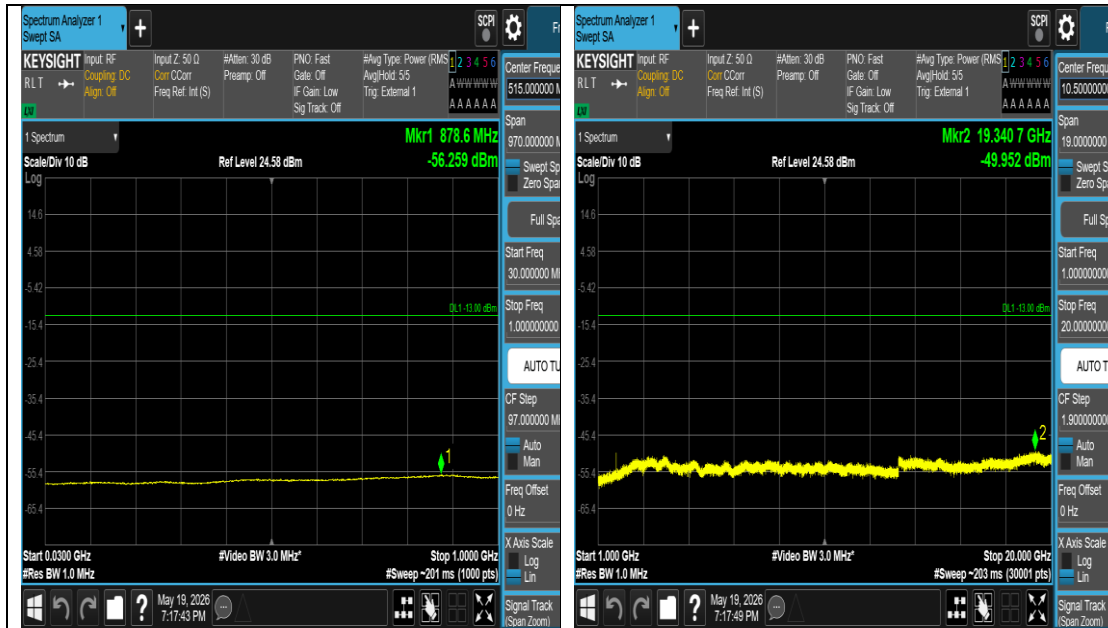
Band25-0.18-QPSK-26365-12@0-15kHz-0.15-
30-PASS





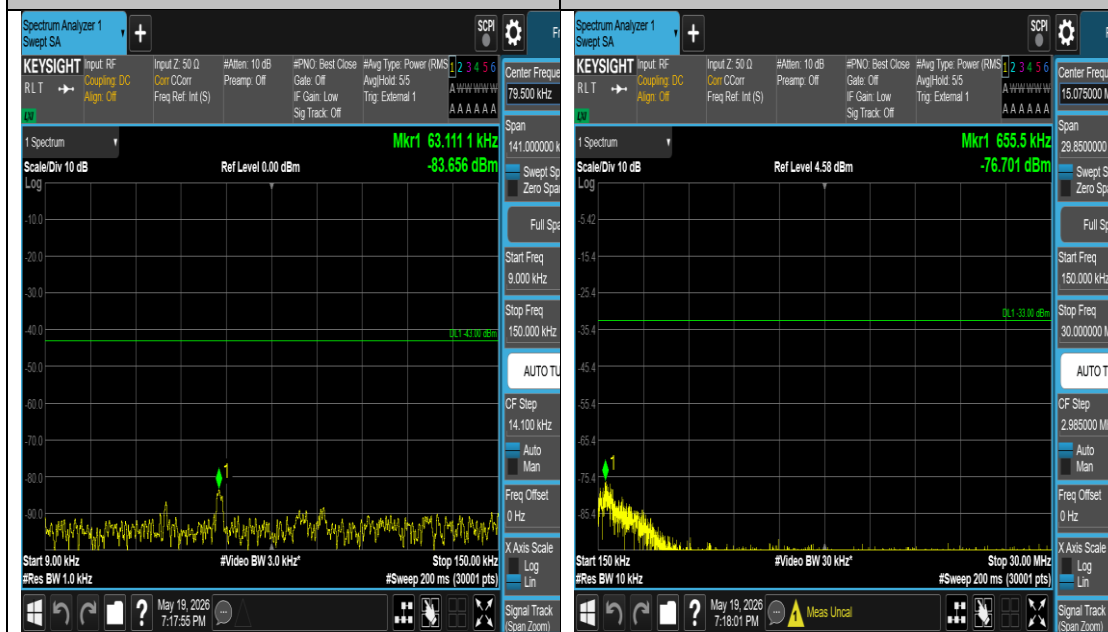






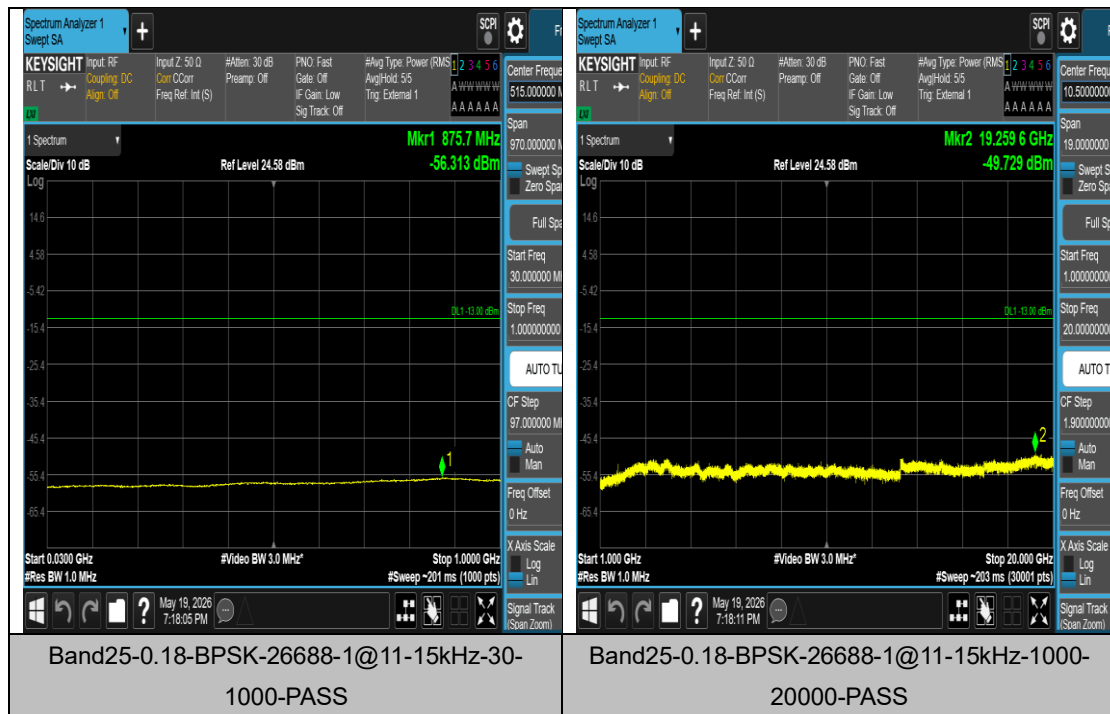
Band25-0.18-BPSK-26688-1@0-15kHz-30-1000-PASS

Band25-0.18-BPSK-26688-1@0-15kHz-1000-20000-PASS



Band25-0.18-BPSK-26688-1@11-15kHz-0.009-0.15-PASS

Band25-0.18-BPSK-26688-1@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
Band25	Stand-Alone	3.75 kHz	0.18	QPSK	26365	1@0	VL	NT	-3.20	-0.001700	±2.5	PASS
Band25	Stand-Alone	3.75 kHz	0.18	QPSK	26365	1@0	VN	NT	-2.20	-0.001169	±2.5	PASS
Band25	Stand-Alone	3.75 kHz	0.18	QPSK	26365	1@0	VH	NT	-0.40	-0.000212	±2.5	PASS
Band25	Stand-Alone	3.75 kHz	0.18	QPSK	26365	1@47	VL	NT	-2.30	-0.001222	±2.5	PASS
Band25	Stand-Alone	3.75 kHz	0.18	QPSK	26365	1@47	VN	NT	-2.30	-0.001222	±2.5	PASS
Band25	Stand-Alone	3.75 kHz	0.18	QPSK	26365	1@47	VH	NT	-2.10	-0.001116	±2.5	PASS
Band25	Stand-Alone	15k Hz	0.18	QPSK	26365	1@0	VL	NT	-3.60	-0.001912	±2.5	PASS
Band25	Stand-Alone	15k Hz	0.18	QPSK	26365	1@0	VN	NT	-5.10	-0.002709	±2.5	PASS
Band25	Stand-Alone	15k Hz	0.18	QPSK	26365	1@0	VH	NT	-1.20	-0.000637	±2.5	PASS

Band25	Stand-Alone	15k Hz	0.18	QPSK	26365	1@11	VL	NT	0.30	0.000159	±2.5	PASS
Band25	Stand-Alone	15k Hz	0.18	QPSK	26365	1@11	VN	NT	-2.30	-0.001222	±2.5	PASS
Band25	Stand-Alone	15k Hz	0.18	QPSK	26365	1@11	VH	NT	0.70	0.000372	±2.5	PASS

Temperature												
Band	OpMode	Bandwidth	Modulation	Channel	Tones	SCS	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@0	NV	-30	-1.90	-0.001009	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@0	NV	-20	-2.80	-0.001487	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@0	NV	-10	-3.80	-0.002019	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@0	NV	0	-5.10	-0.002709	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@0	NV	10	-4.60	-0.002444	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@0	NV	20	-2.30	-0.001222	±2.5	PASS
Band25	Stand-	3.75k Hz	0.18	QPSK	26365	1@0	NV	30	-2.50	-0.001	±2.5	PASS

	Alone									328		
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@0	NV	40	-3.10	-0.001647	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@0	NV	50	-4.40	-0.002337	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@47	NV	-30	-2.00	-0.001062	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@47	NV	-20	-2.90	-0.001541	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@47	NV	-10	-2.20	-0.001169	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@47	NV	0	-2.40	-0.001275	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@47	NV	10	-5.90	-0.003134	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@47	NV	20	-4.20	-0.002231	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@47	NV	30	-4.40	-0.002337	±2.5	PASS
Band25	Stand-Alone	3.75k Hz	0.18	QPSK	26365	1@47	NV	40	-4.70	-0.002497	±2.5	PASS
Band	Stand	3.75k	0.18	QPSK	263	1@	NV	50	-1.90	-	±2.	PASS

d25	d-Alone	Hz		K	65	47				0.001009	5	S
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	-30	-6.30	-0.003347	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	-20	-3.50	-0.001859	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	-10	-4.10	-0.002178	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	0	-2.00	-0.001062	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	10	-2.70	-0.001434	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	20	-2.10	-0.001116	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	30	-1.50	-0.000797	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	40	-0.50	-0.000266	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@0	NV	50	0.40	0.000212	±2.5	PASS
Band25	Stand-Alone	15kHz	0.18	QPSK	26365	1@11	NV	-30	-0.40	-0.000212	±2.5	PASS

Ban d25	Stan d- Alon e	15kH z	0.18	QPS K	263 65	1@ 11	NV	-20	0.50	0.000 266	±2. 5	PAS S
Ban d25	Stan d- Alon e	15kH z	0.18	QPS K	263 65	1@ 11	NV	-10	-0.30	- 0.000 159	±2. 5	PAS S
Ban d25	Stan d- Alon e	15kH z	0.18	QPS K	263 65	1@ 11	NV	0	-0.90	- 0.000 478	±2. 5	PAS S
Ban d25	Stan d- Alon e	15kH z	0.18	QPS K	263 65	1@ 11	NV	10	-2.00	- 0.001 062	±2. 5	PAS S
Ban d25	Stan d- Alon e	15kH z	0.18	QPS K	263 65	1@ 11	NV	20	-0.80	- 0.000 425	±2. 5	PAS S
Ban d25	Stan d- Alon e	15kH z	0.18	QPS K	263 65	1@ 11	NV	30	-0.20	- 0.000 106	±2. 5	PAS S
Ban d25	Stan d- Alon e	15kH z	0.18	QPS K	263 65	1@ 11	NV	40	0.50	0.000 266	±2. 5	PAS S
Ban d25	Stan d- Alon e	15kH z	0.18	QPS K	263 65	1@ 11	NV	50	1.00	0.000 531	±2. 5	PAS S