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VERITAS

Test Report No.: W7L-240204W001RF05





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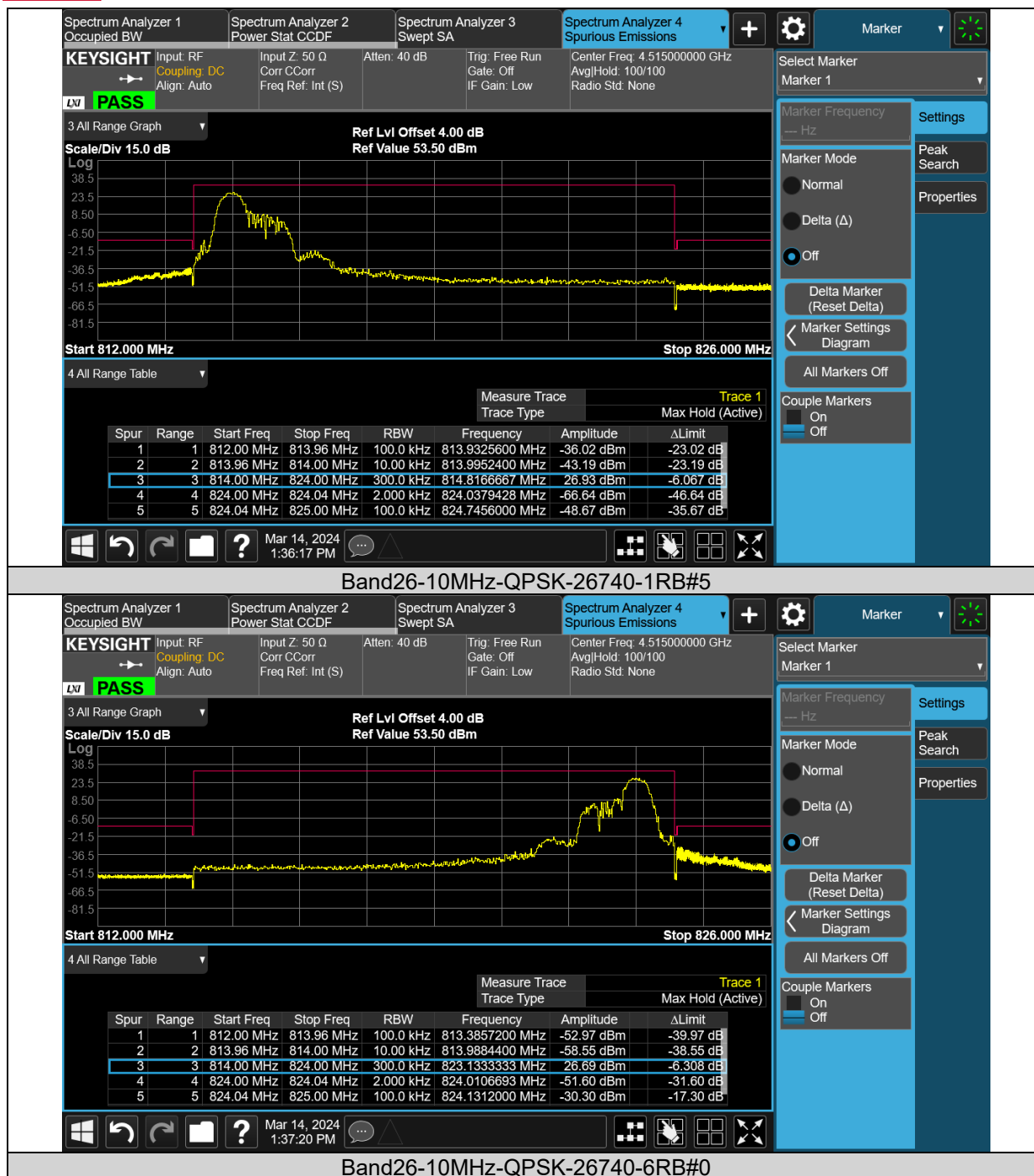
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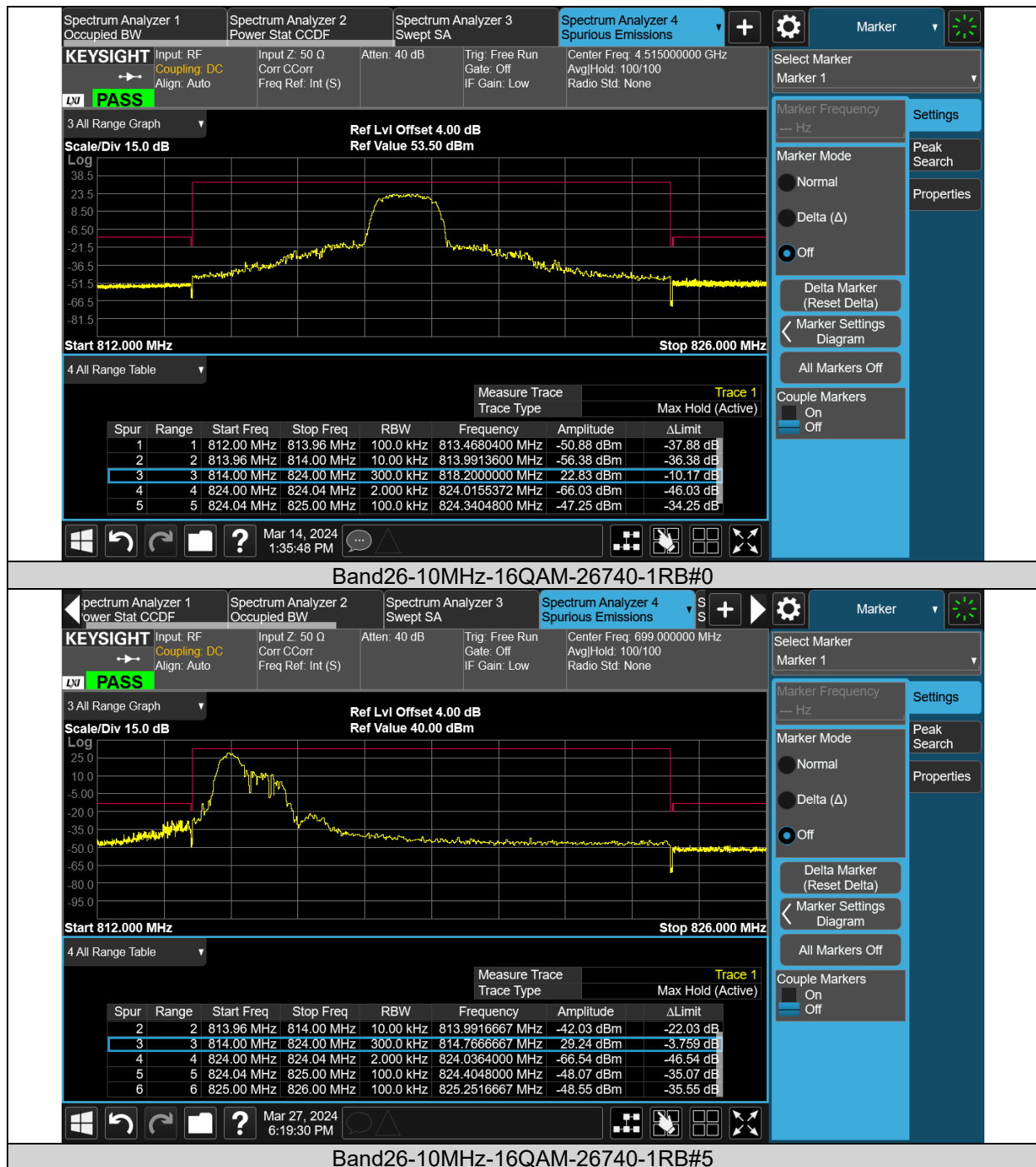
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CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	3MHz	QPSK	26705	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	3MHz	QPSK	26740	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	3MHz	QPSK	26775	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	3MHz	16QAM	26705	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	3MHz	16QAM	26740	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	3MHz	16QAM	26775	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	5MHz	QPSK	26715	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	5MHz	QPSK	26740	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	5MHz	QPSK	26765	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	5MHz	16QAM	26715	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	5MHz	16QAM	26740	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	5MHz	16QAM	26765	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range:30~9000MHz	See Graph	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range:30~9000MHz	See Graph	PASS

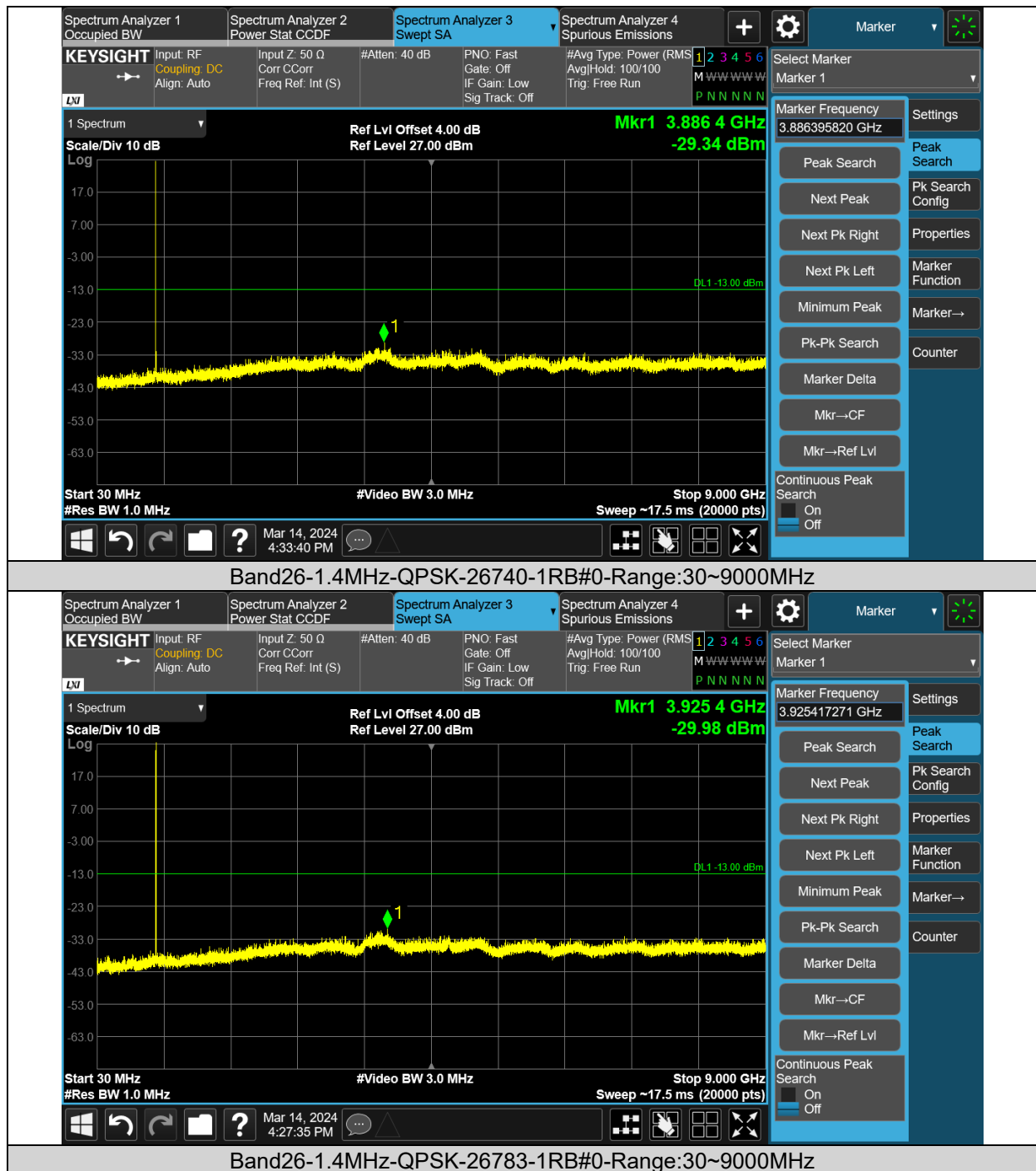
Test Graphs

Band26-1.4MHz-QPSK-26697-1RB#0-Range:30~9000MHz



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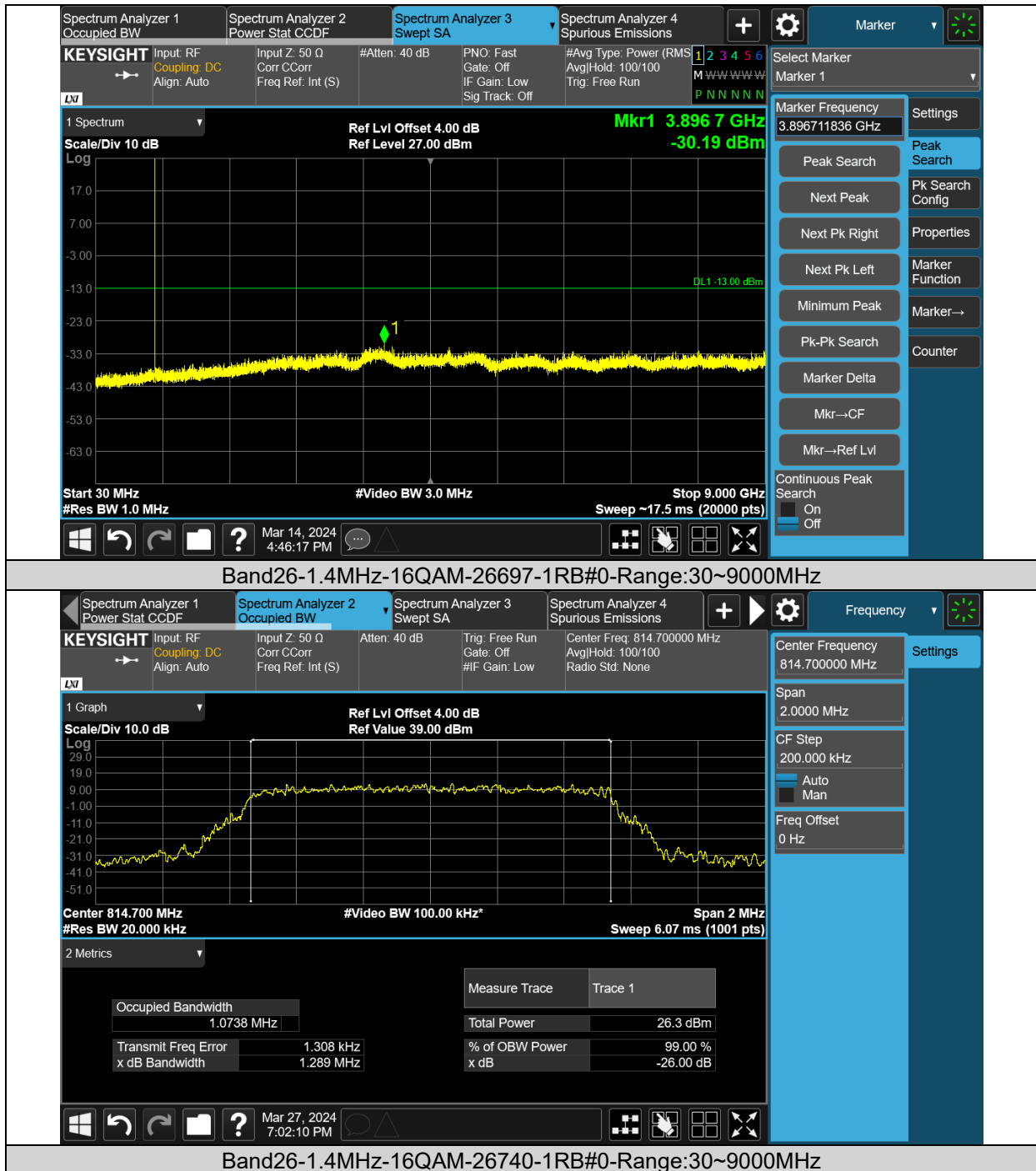
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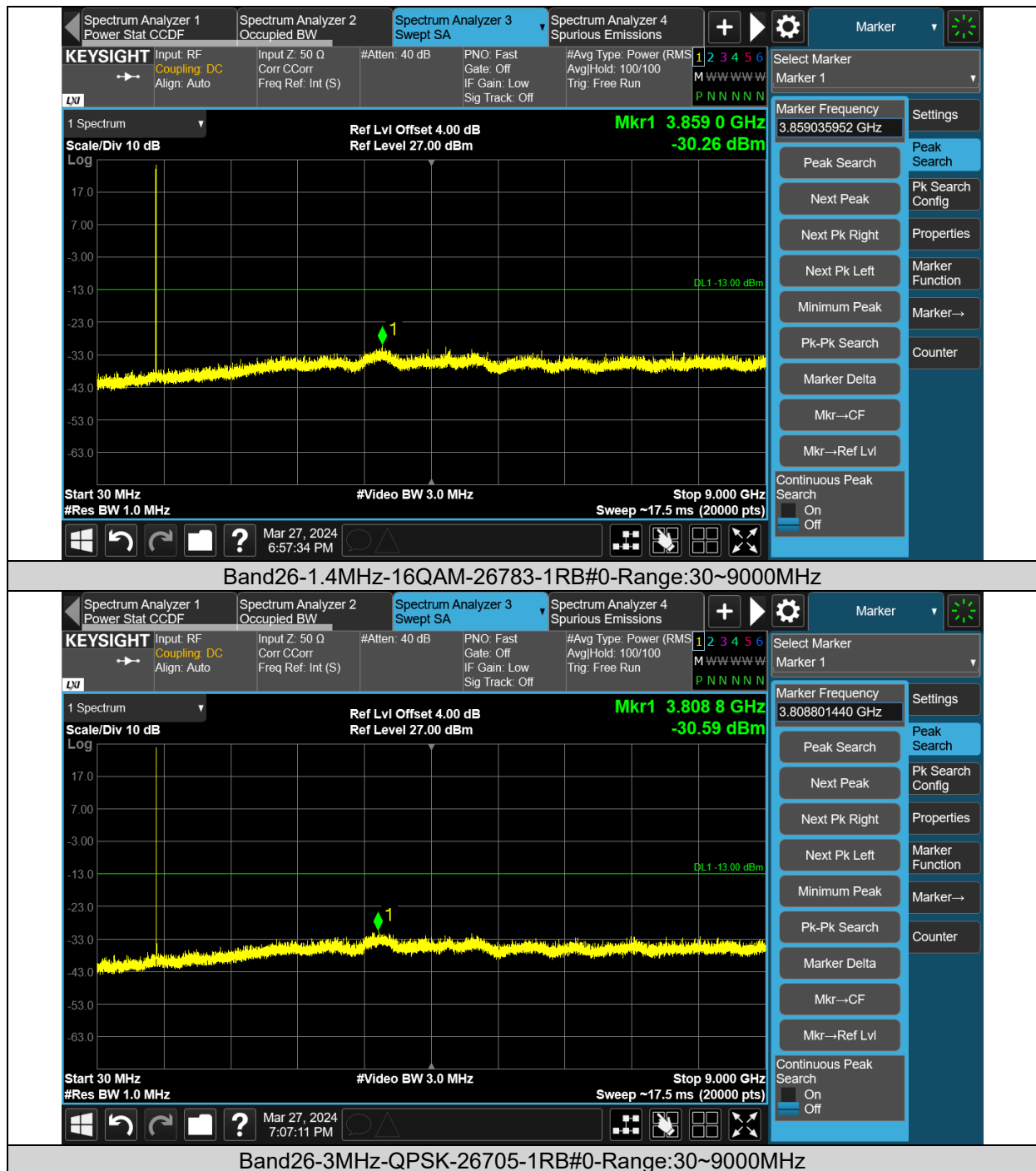
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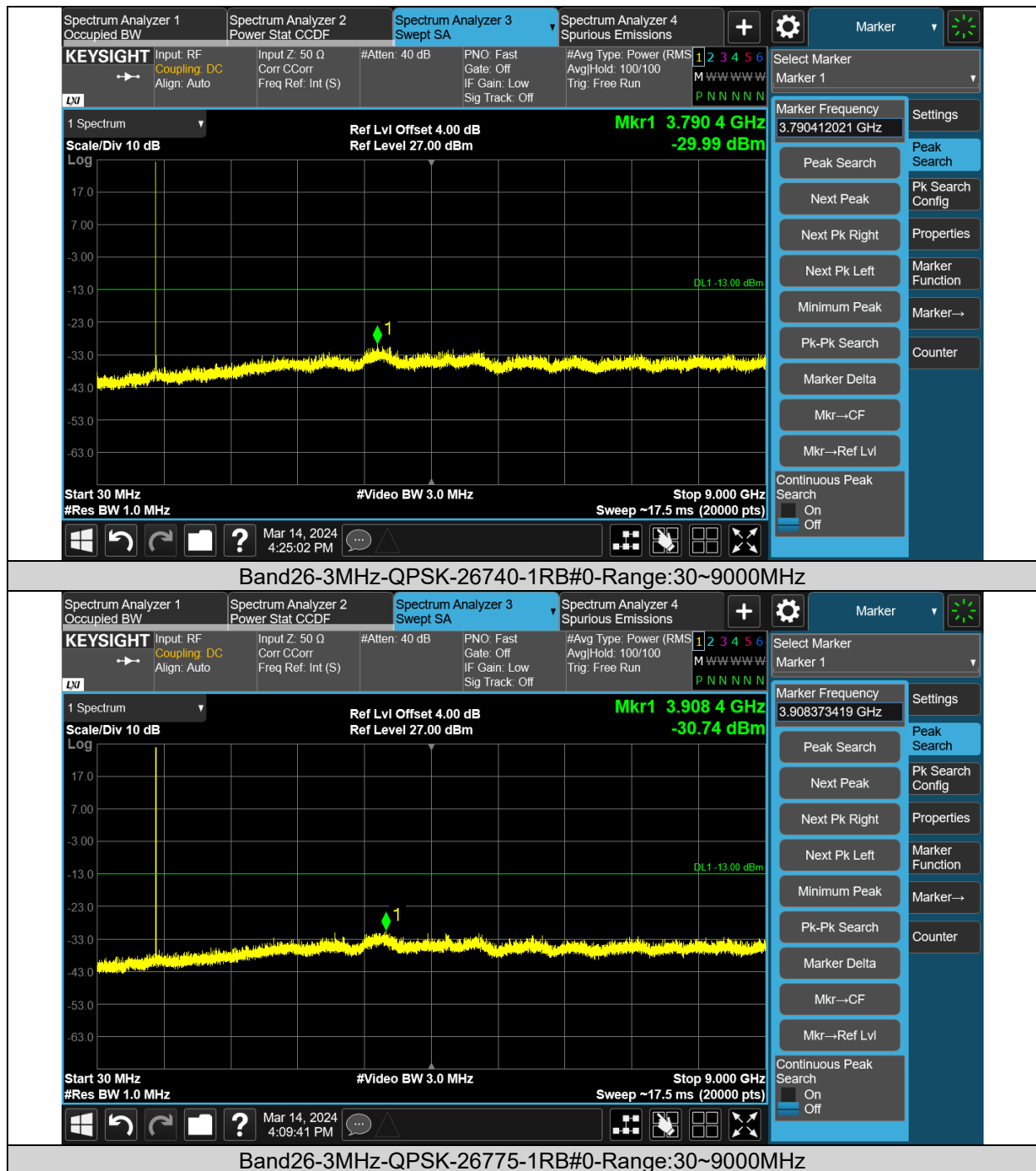
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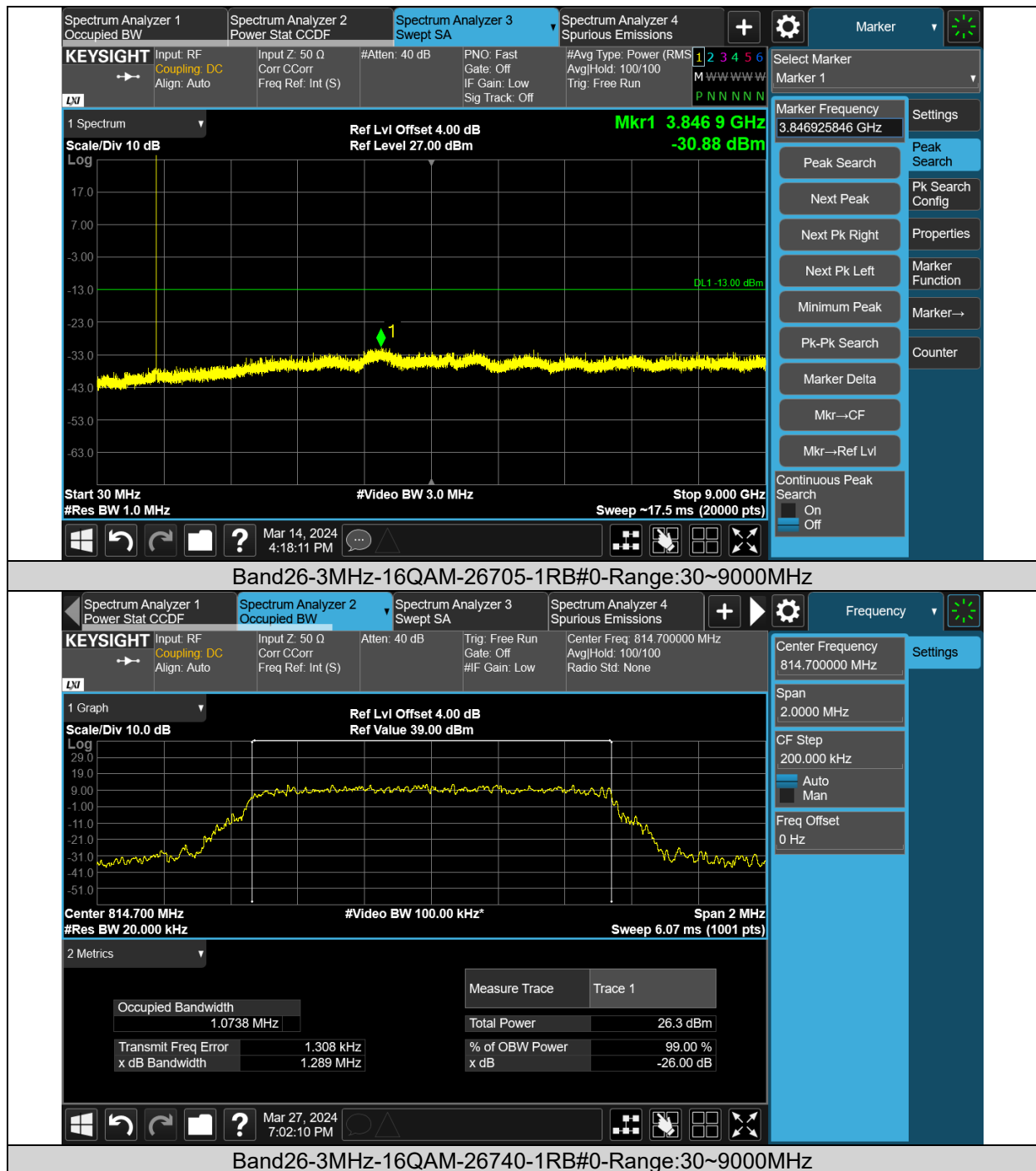
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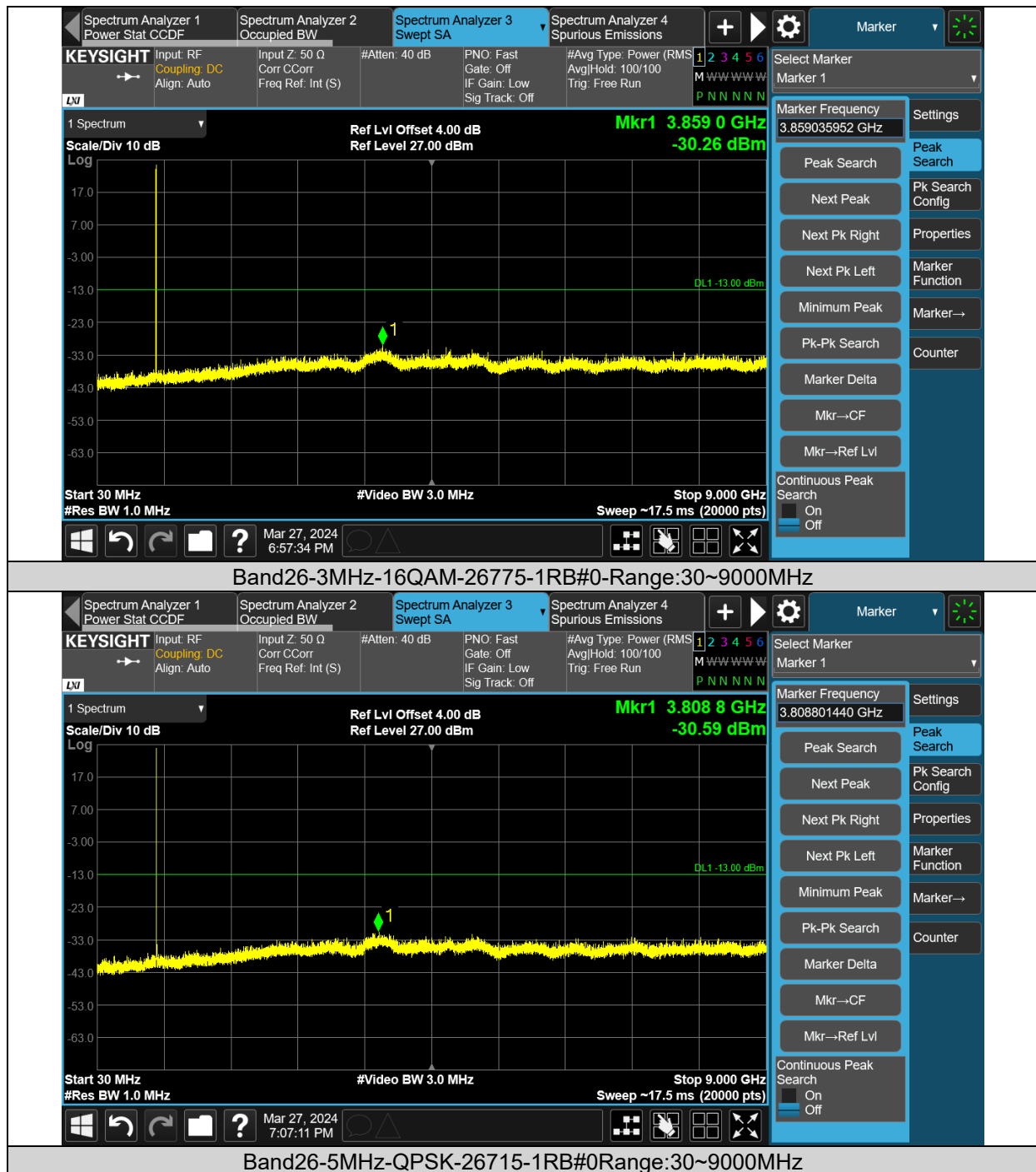
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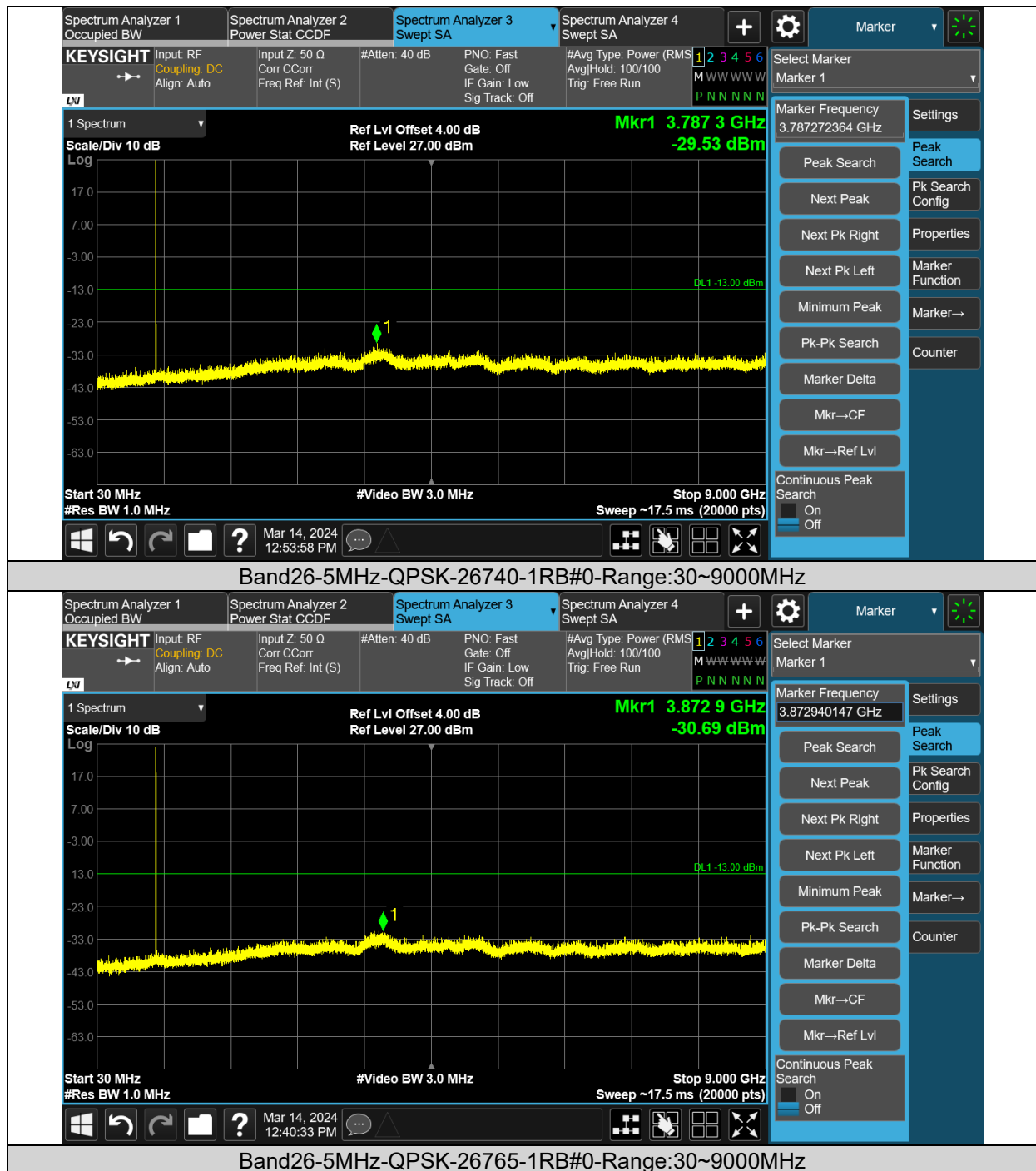
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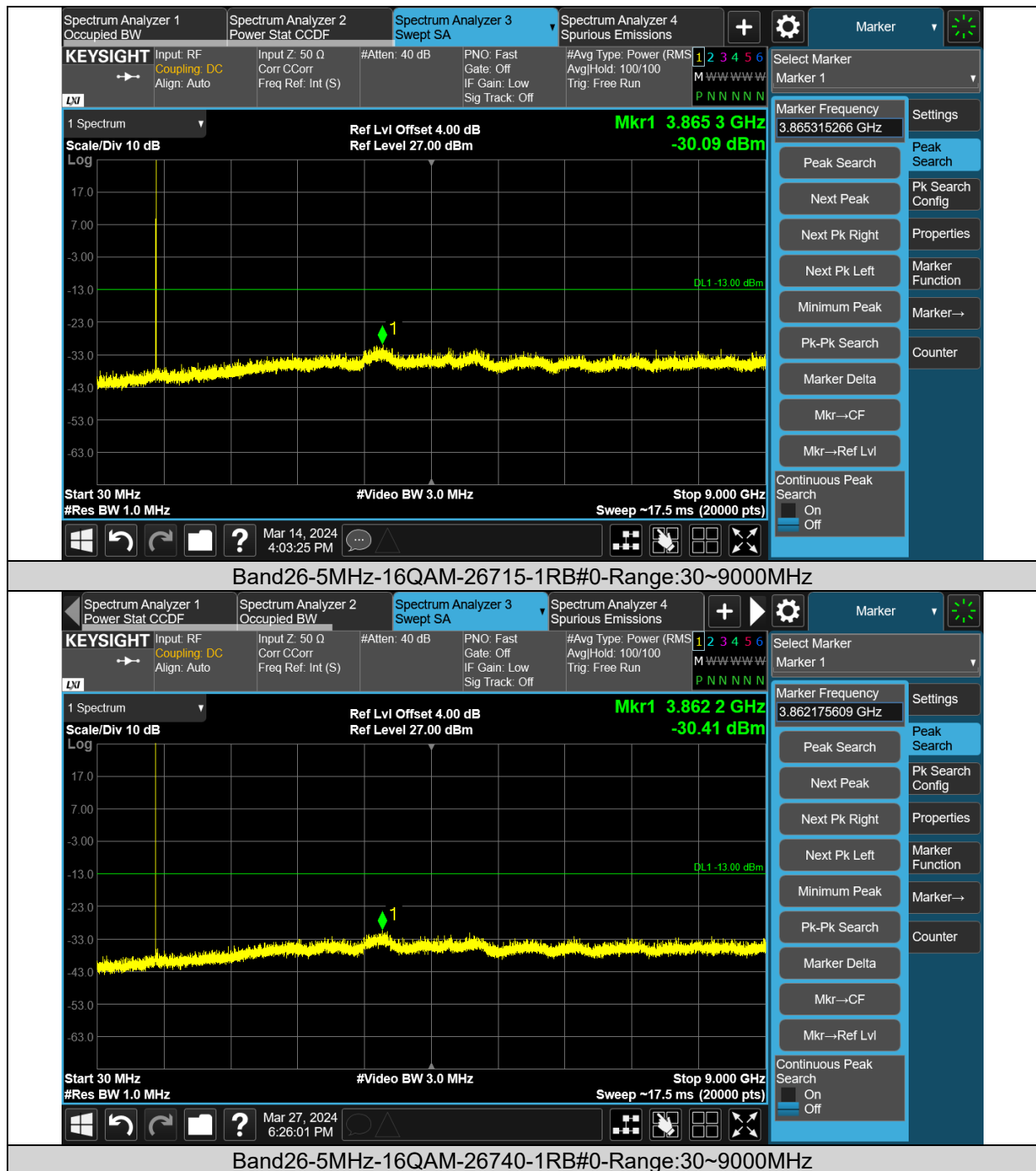
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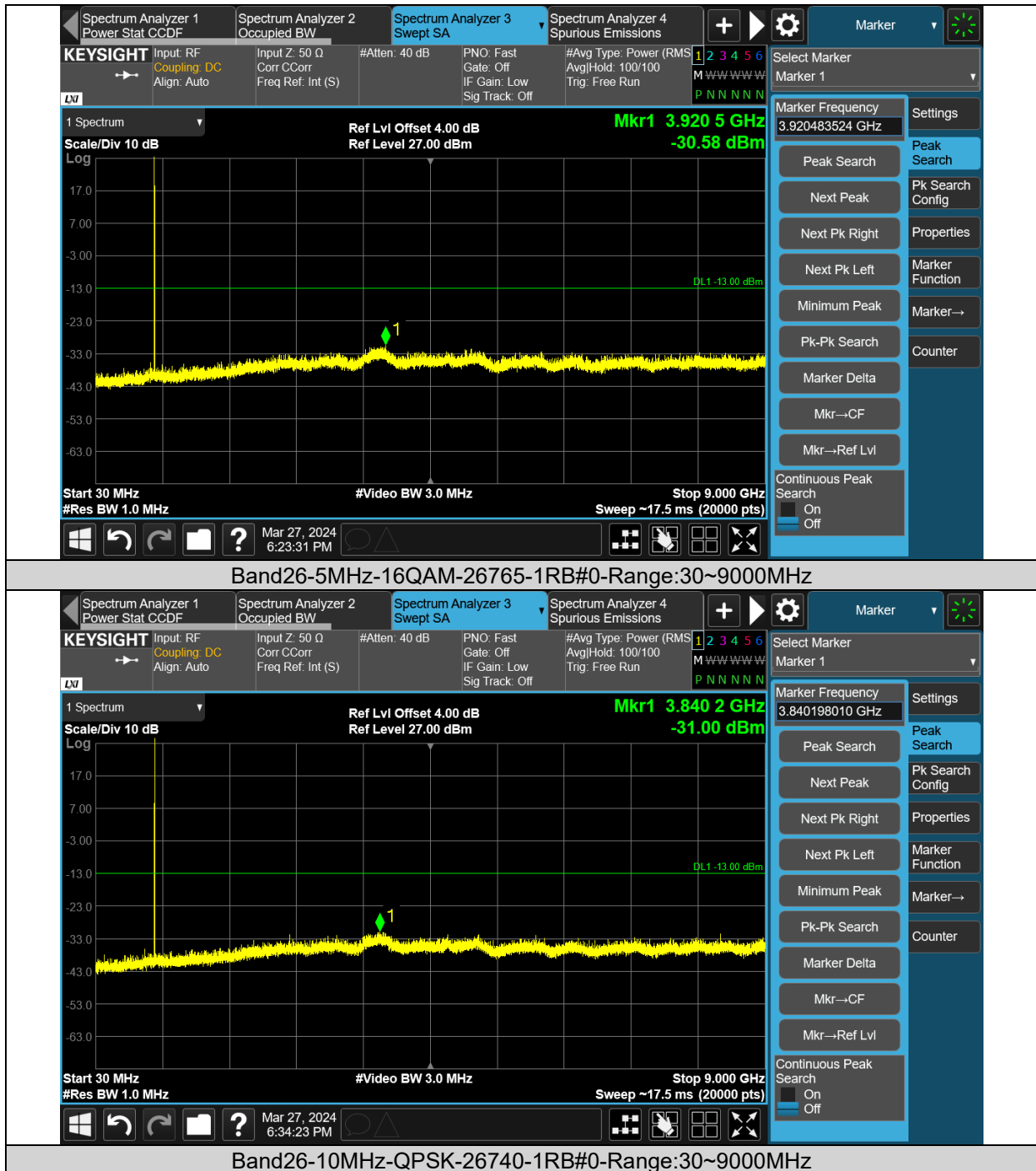
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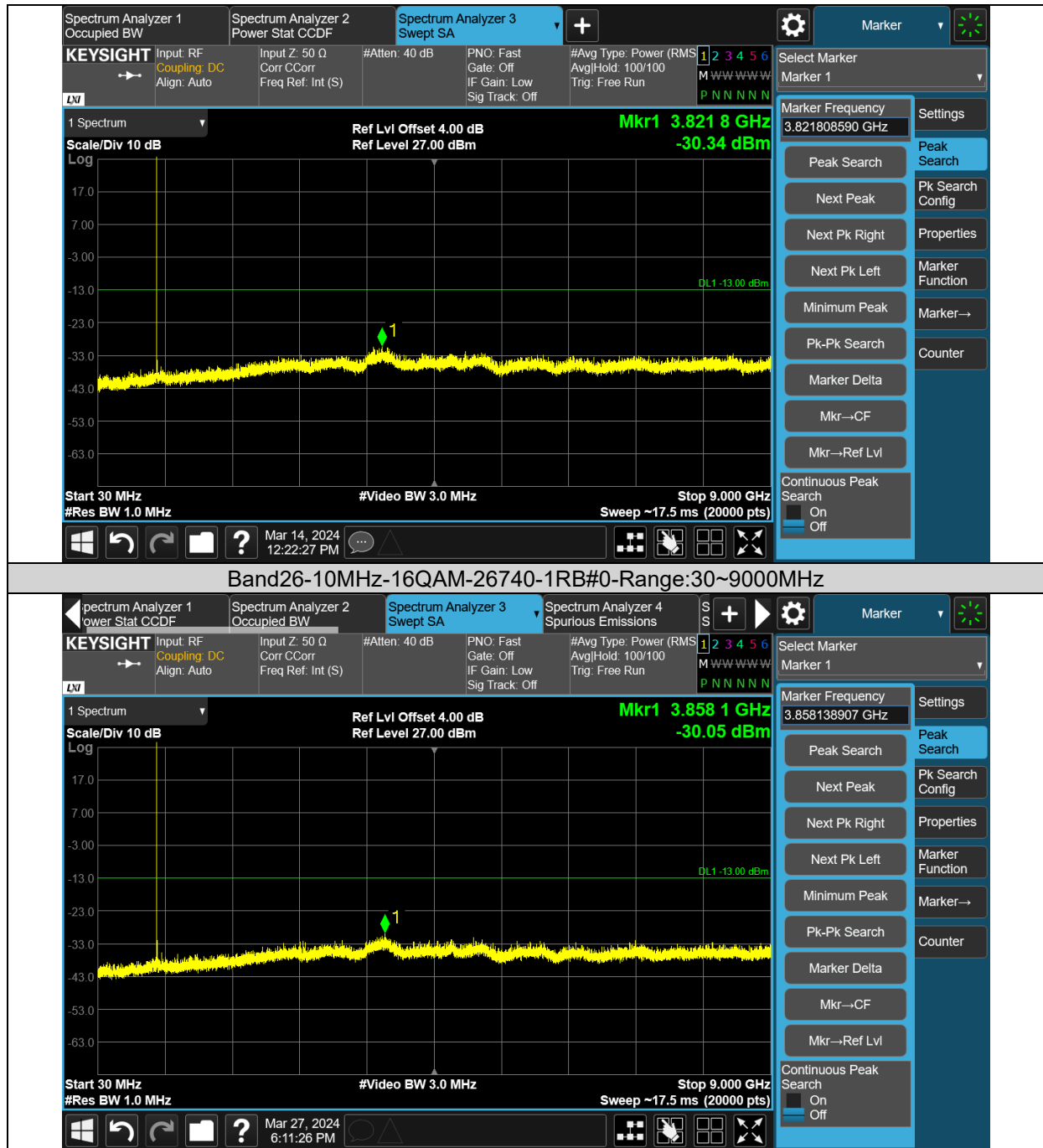
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FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	6RB#0	VL	NT	-1.5	-0.001832	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	VN	NT	15.7	0.019170	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	VH	NT	9.8	0.011966	±2.5	PASS

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Band26	10MHz	16QAM	26740	6RB#0	VL	NT	-19.2	-0.023443	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	VN	NT	-2.5	-0.003053	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	VH	NT	-9.6	-0.011722	±2.5	PASS

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band26	10MHz	QPSK	26740	6RB#0	NV	-30	-7.3	-0.008913	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	NV	-20	7.5	0.009158	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	NV	-10	-1.6	-0.001954	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	NV	0	13	0.015873	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	NV	10	24.9	0.030403	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	NV	20	-12.3	-0.015018	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	NV	30	-18.4	-0.022466	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	NV	40	-20.8	-0.025397	±2.5	PASS
Band26	10MHz	QPSK	26740	6RB#0	NV	50	19.4	0.023687	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	-30	21.7	0.026496	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	-20	-14.5	-0.017705	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	-10	-6.4	-0.007814	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	0	-17	-0.020757	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	10	-11	-0.013431	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	20	13.2	0.016117	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	30	10.6	0.012943	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	40	-18.1	-0.022100	±2.5	PASS
Band26	10MHz	16QAM	26740	6RB#0	NV	50	22.1	0.026984	±2.5	PASS



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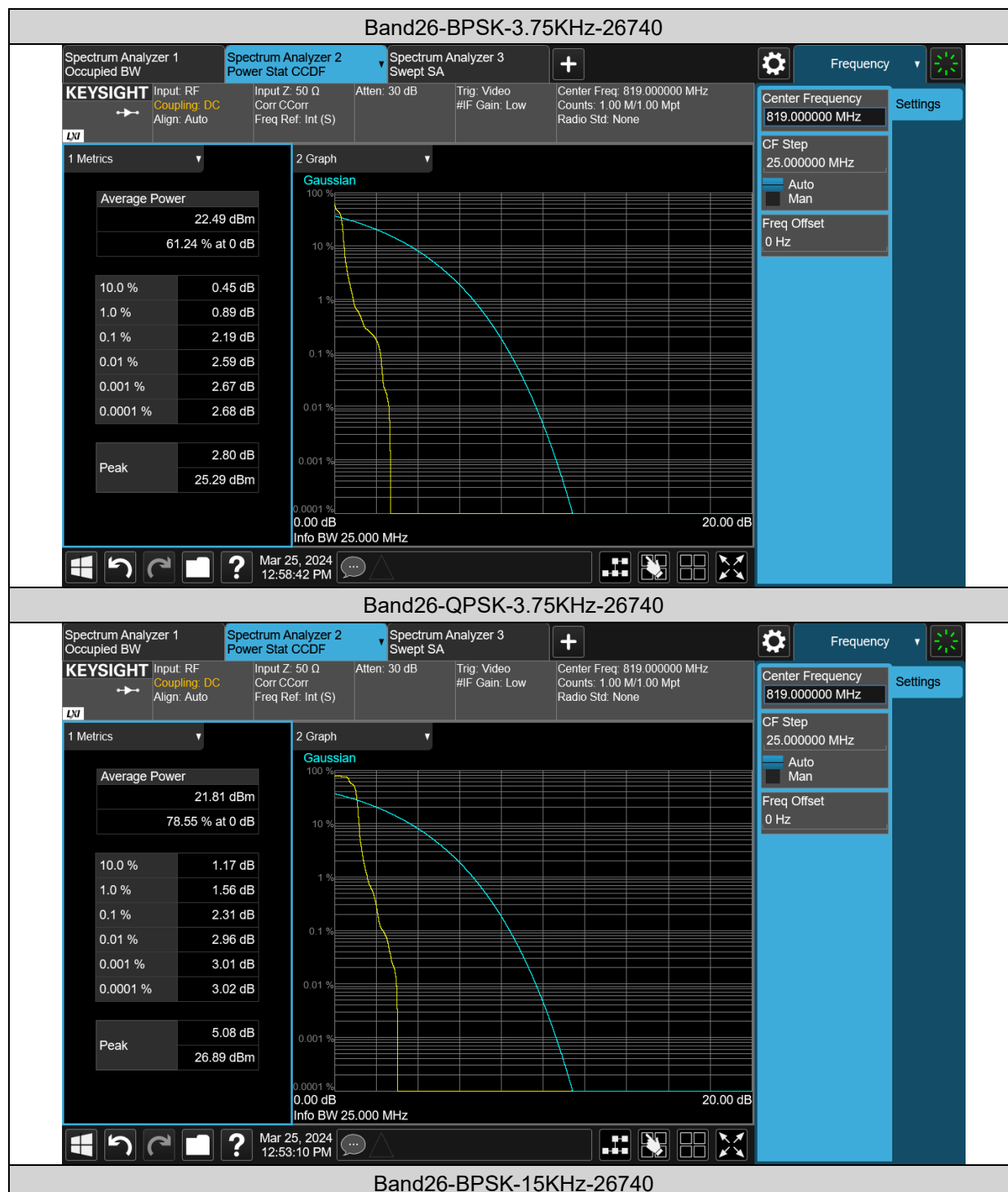
NB-IOT: LTE BAND26

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channe	Result(dB)	Limit(dB)	Verdict
Band26	BPSK	3.75	26740	2.19	13	PASS
	QPSK	3.75	26740	2.31	13	PASS
	BPSK	15	26740	2.00	13	PASS
	QPSK	15	26740	2.01	13	PASS

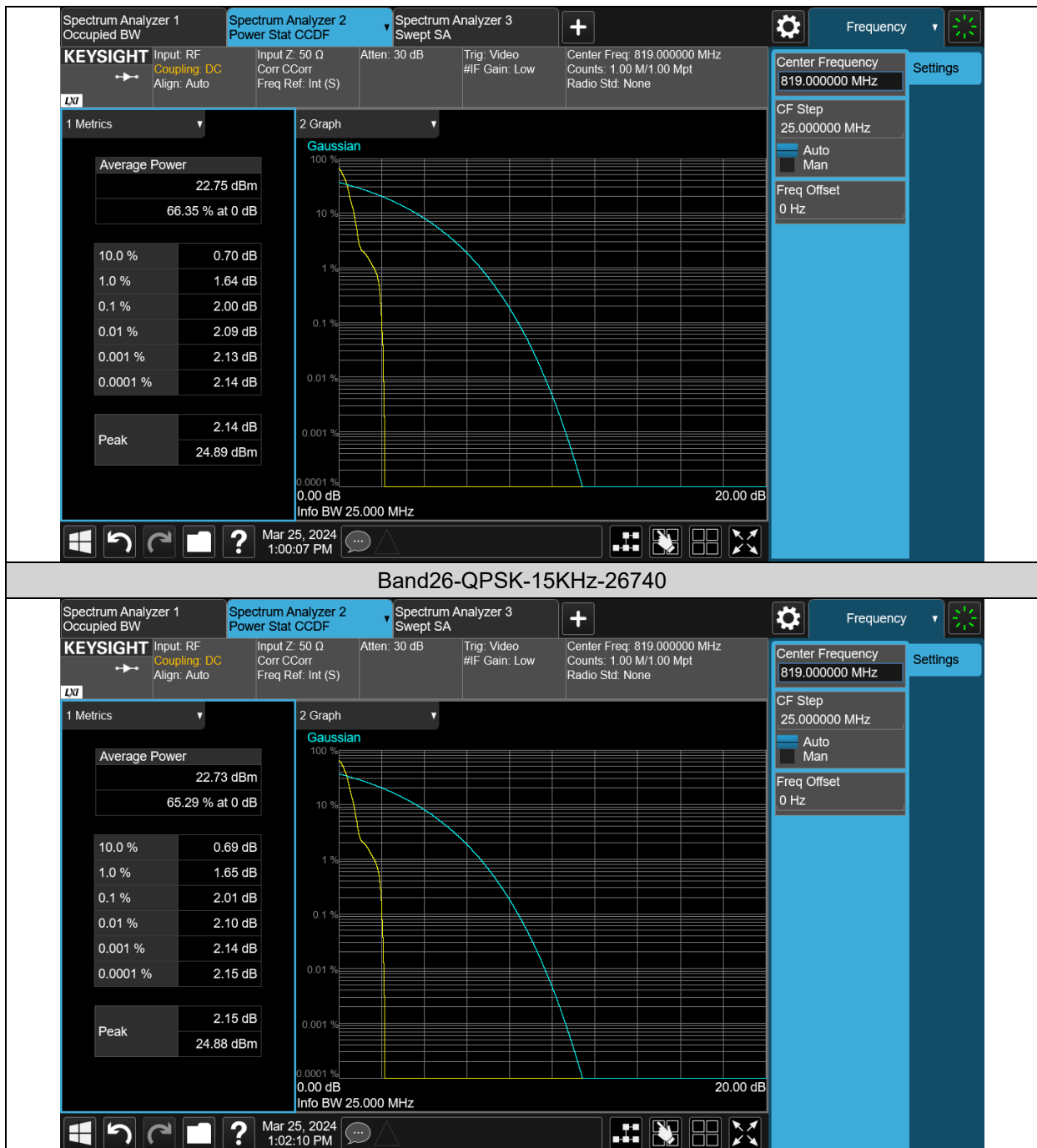
Test Graphs





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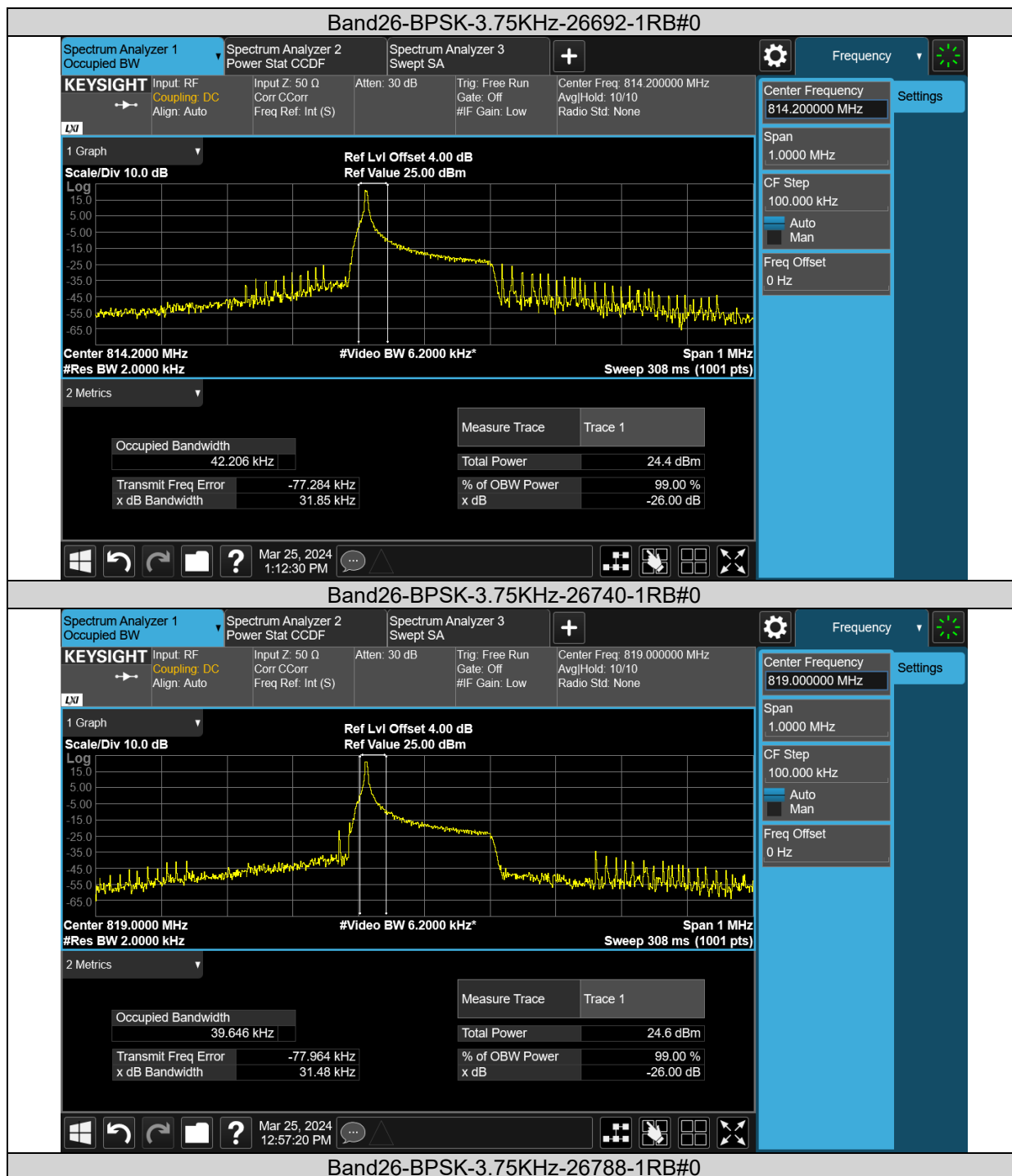


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Verdict
Band26	BPSK	3.75	26692	1RB#0	42.206	31.85	PASS
Band26	BPSK	3.75	26740	1RB#0	39.646	31.48	PASS
Band26	BPSK	3.75	26788	1RB#0	50.387	31.68	PASS
Band26	QPSK	3.75	26692	1RB#0	47.480	34.81	PASS
Band26	QPSK	3.75	26740	1RB#0	46.502	34.10	PASS
Band26	QPSK	3.75	26788	1RB#0	44.609	30.80	PASS
Band26	BPSK	15	26692	1RB#0	104.79	73.14	PASS
Band26	BPSK	15	26740	1RB#0	111.97	105.1	PASS
Band26	BPSK	15	26788	1RB#0	126.20	115.8	PASS
Band26	QPSK	15	26692	1RB#0	116.58	114.4	PASS
Band26	QPSK	15	26740	1RB#0	121.15	116.6	PASS
Band26	QPSK	15	26788	1RB#0	113.47	98.20	PASS
Band26	QPSK	15	26692	12RB#0	188.60	211.0	PASS
Band26	QPSK	15	26740	12RB#0	190.13	200.2	PASS
Band26	QPSK	15	26788	12RB#0	187.96	209.8	PASS

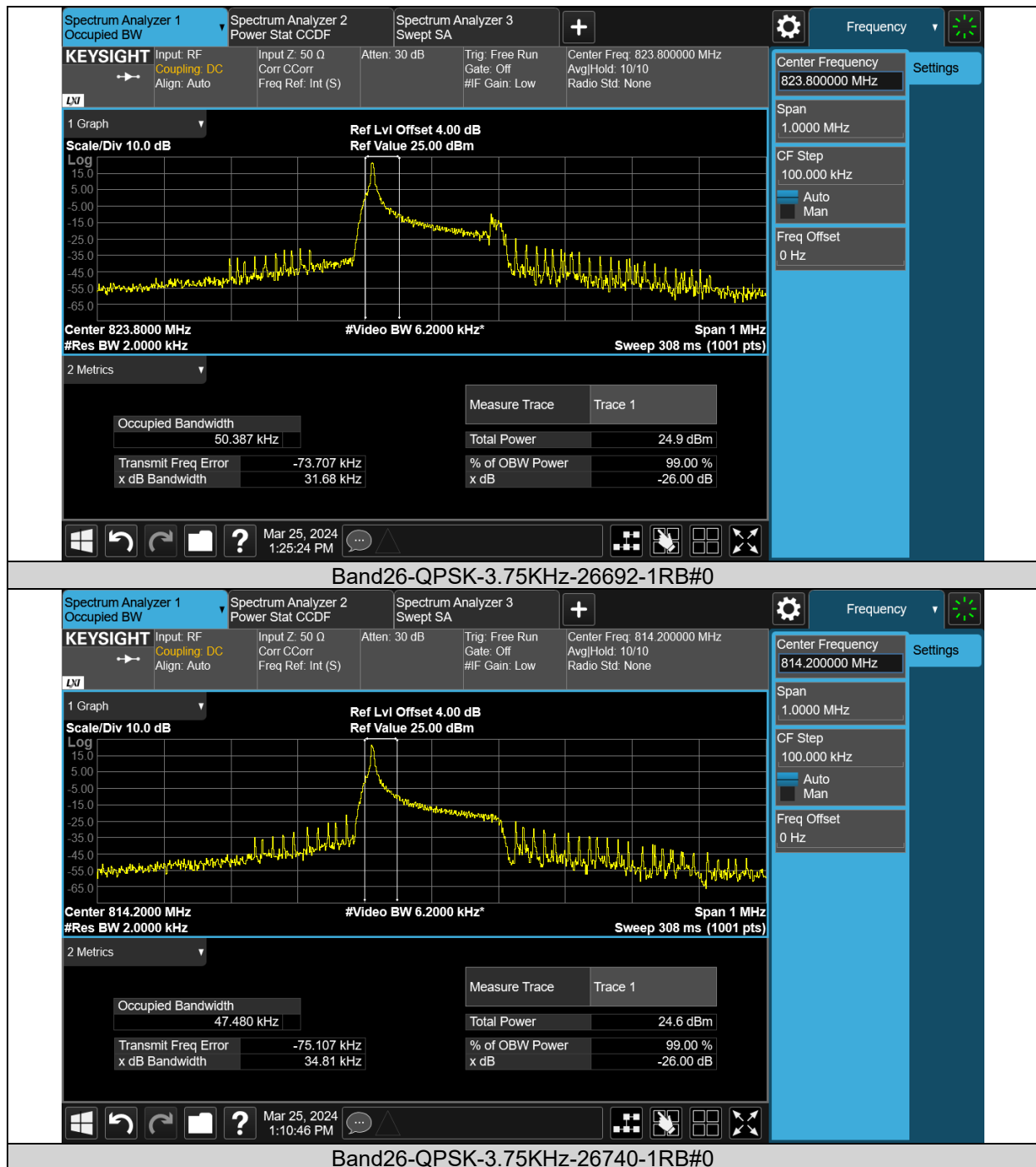
Test Graphs





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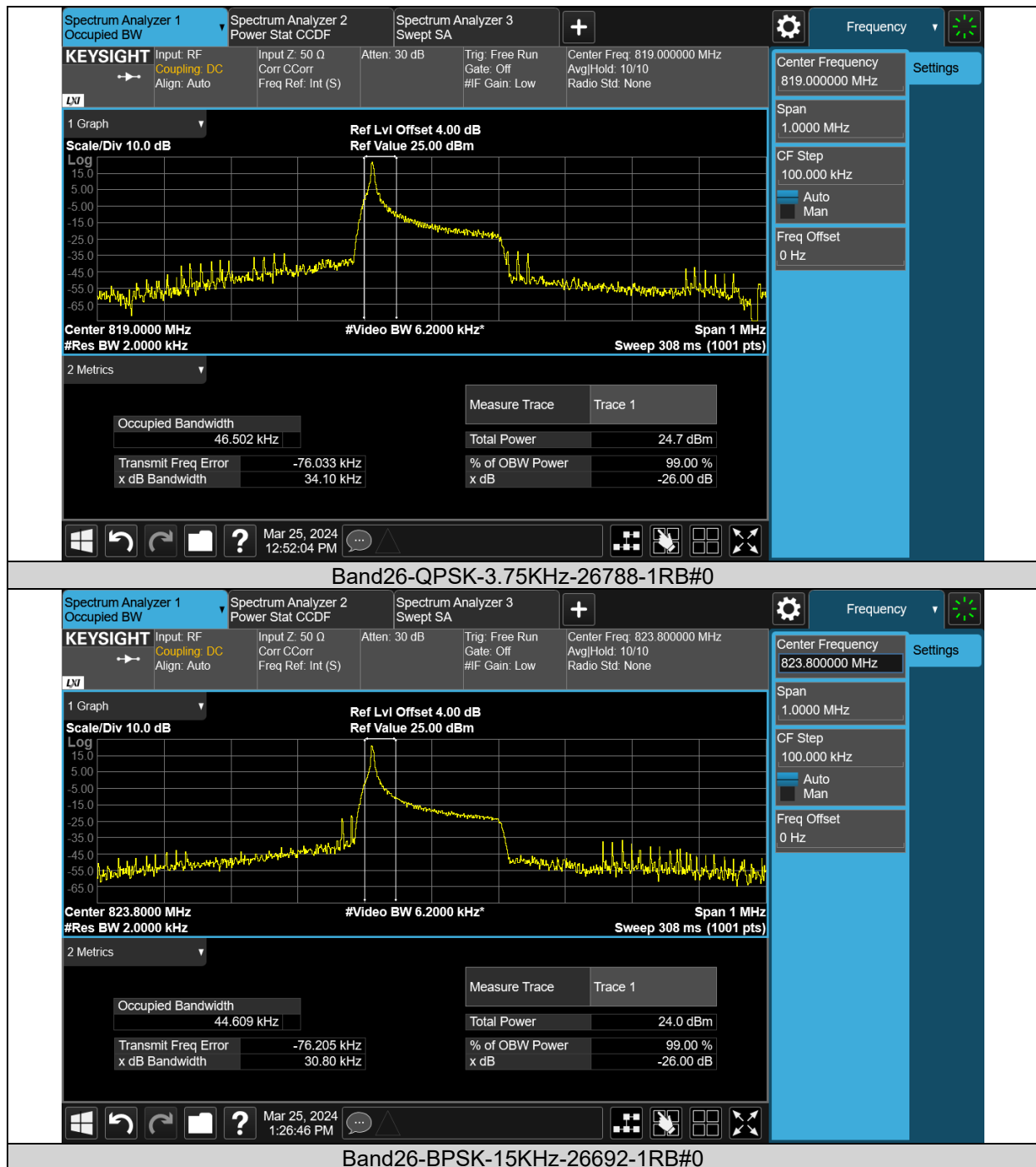
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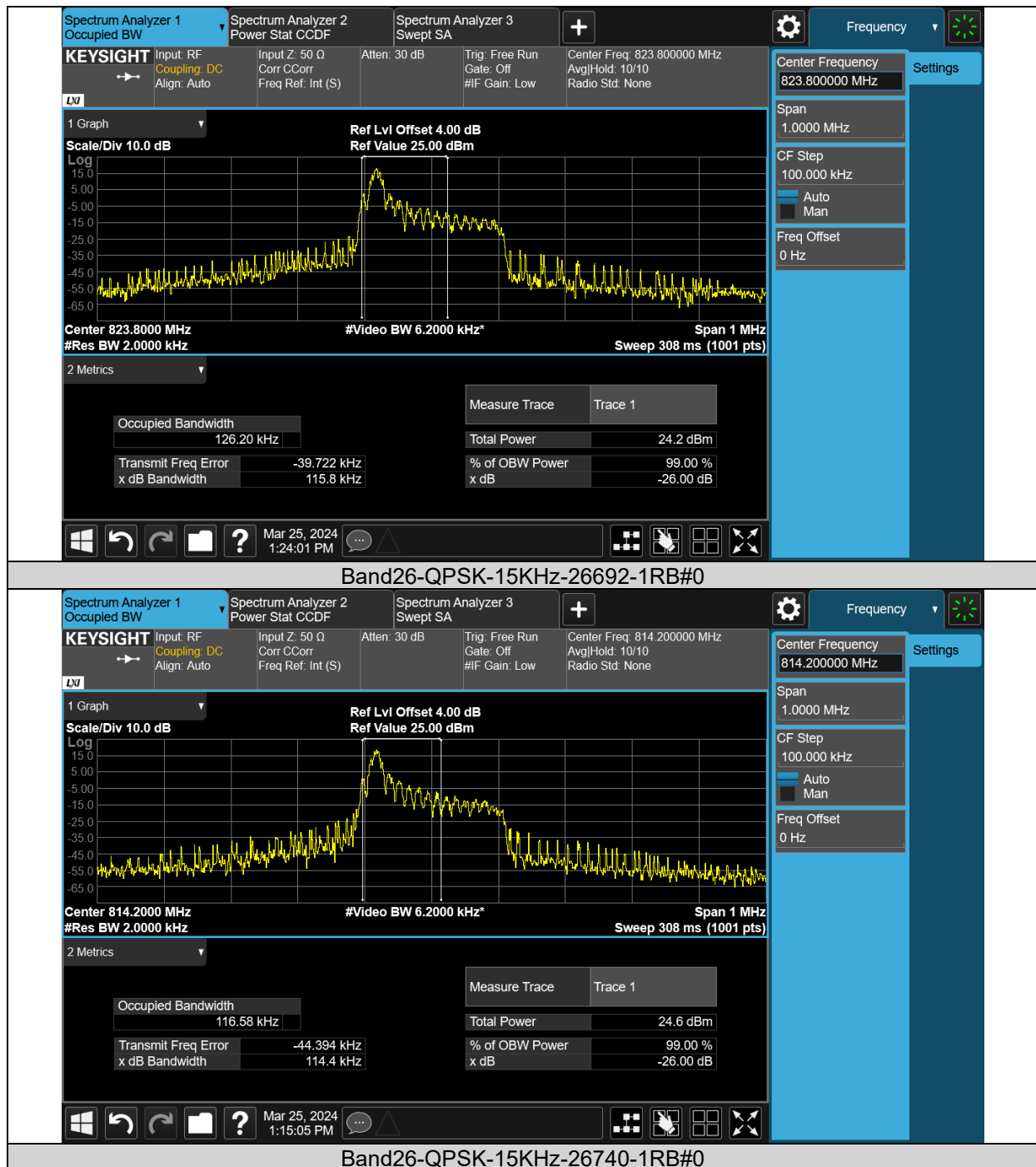
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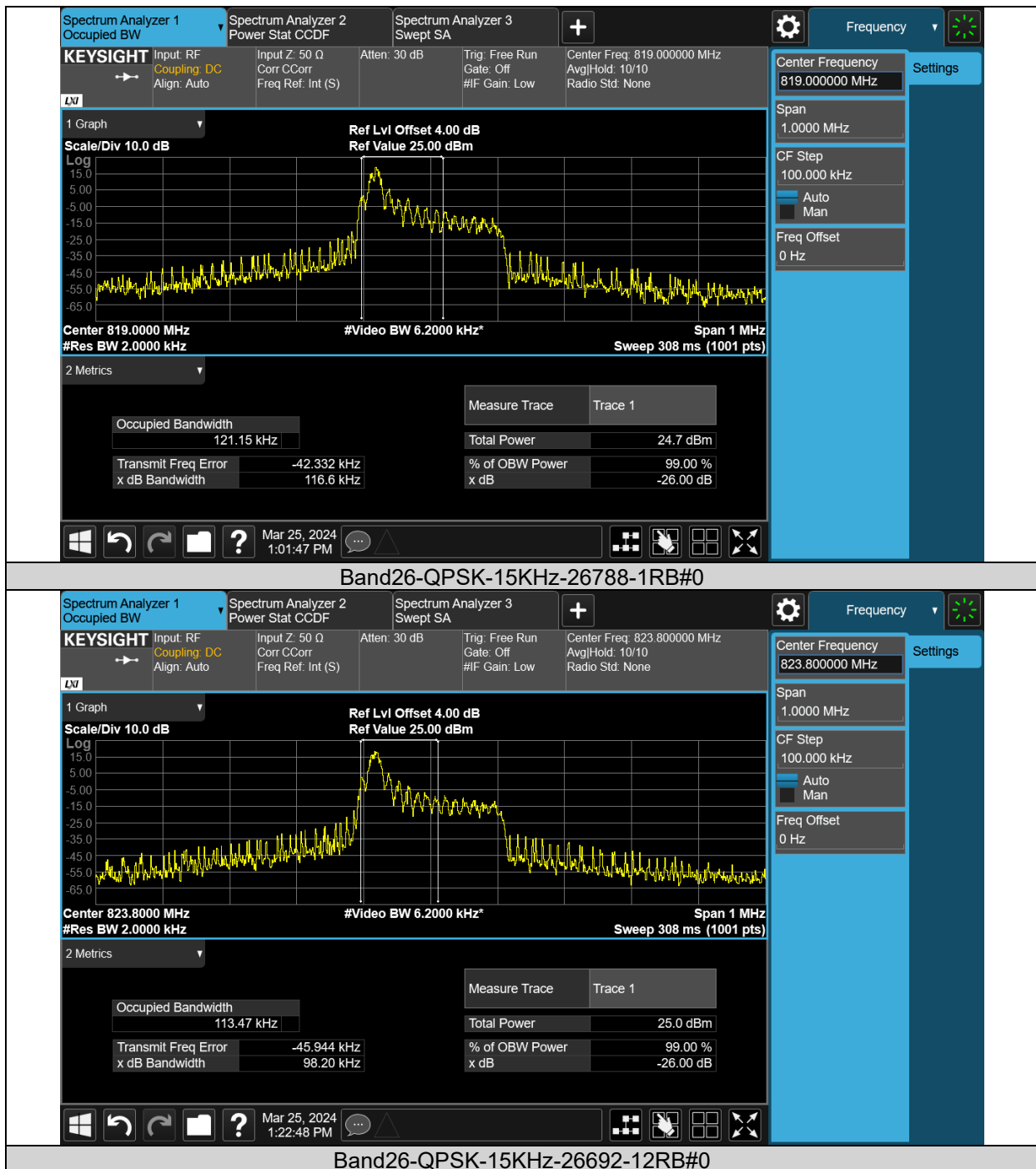
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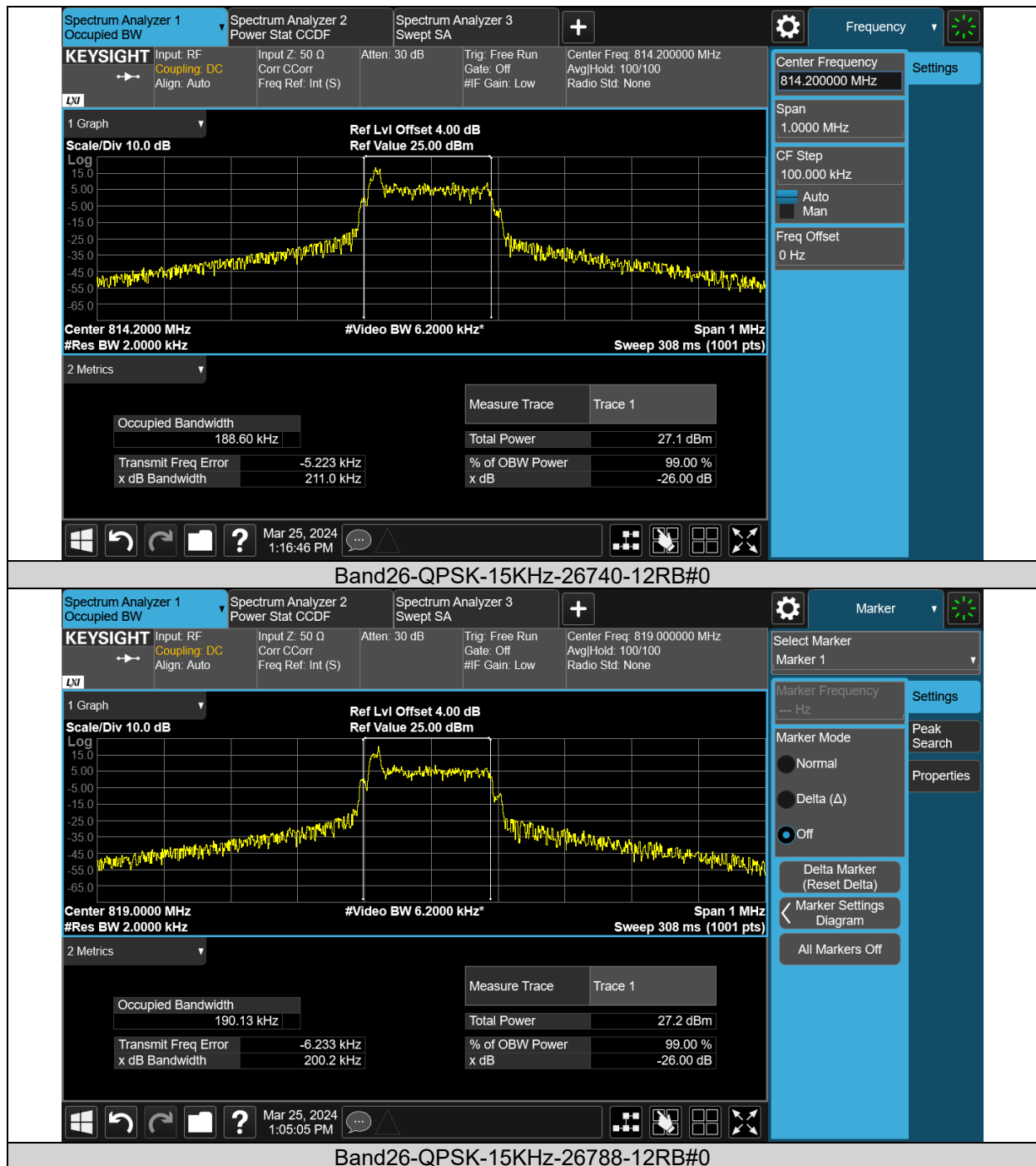
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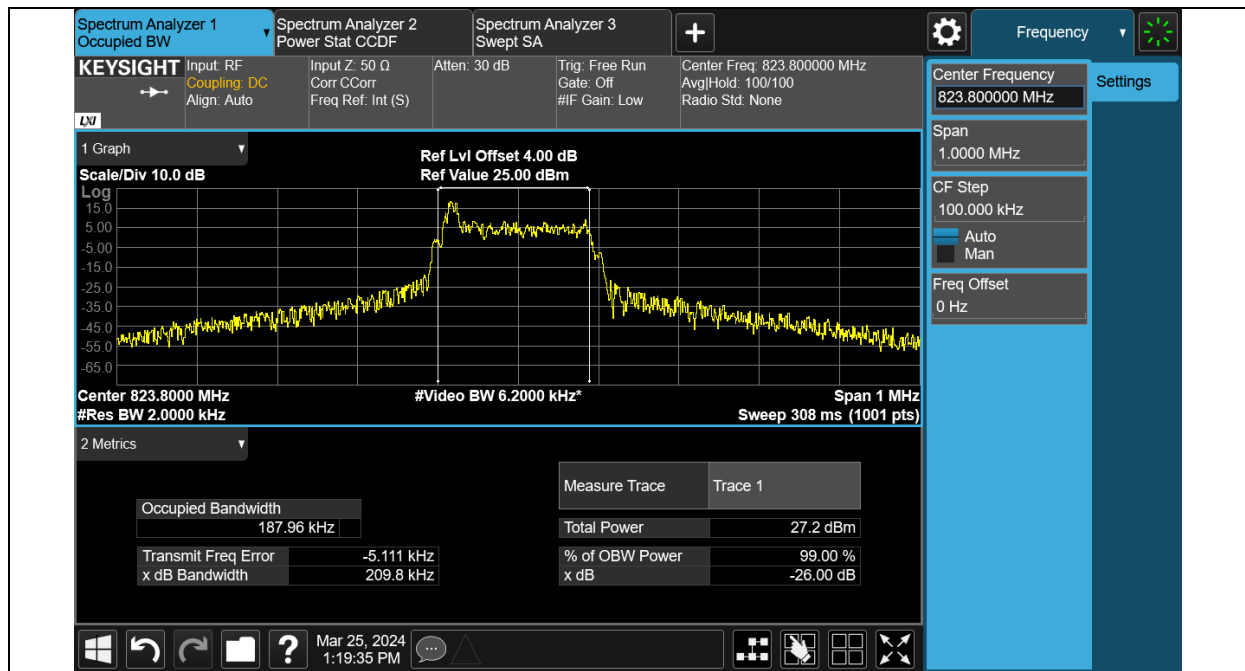
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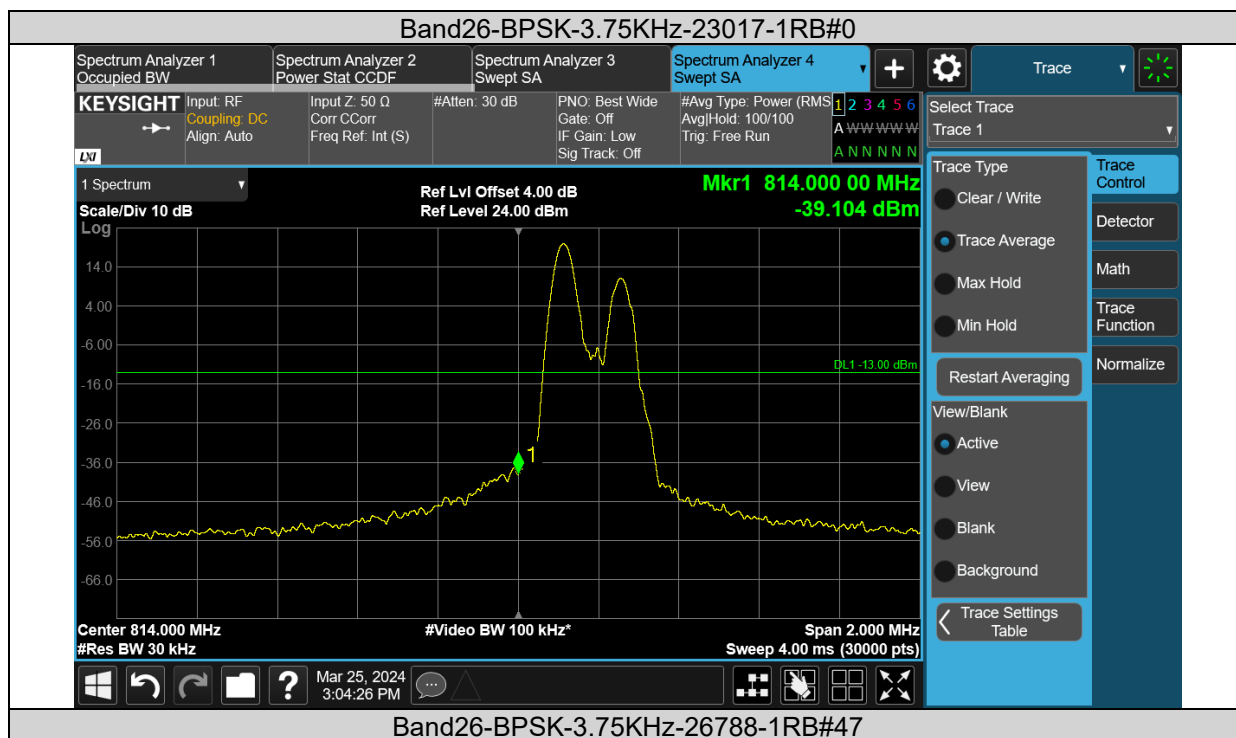


BAND EDGE

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Result(dBm)	Verdict
Band26	BPSK	3.75	26692	1RB#0	See Graph	PASS
Band26	BPSK	3.75	26788	1RB#47	See Graph	PASS
Band26	QPSK	3.75	26692	1RB#0	See Graph	PASS
Band26	QPSK	3.75	26788	1RB#47	See Graph	PASS
Band26	BPSK	15	26692	1RB#0	See Graph	PASS
Band26	BPSK	15	26788	1RB#11	See Graph	PASS
Band26	QPSK	15	26692	1RB#0	See Graph	PASS
Band26	QPSK	15	26788	1RB#11	See Graph	PASS
Band26	QPSK	15	26692	12RB#0	See Graph	PASS
Band26	QPSK	15	26788	12RB#0	See Graph	PASS

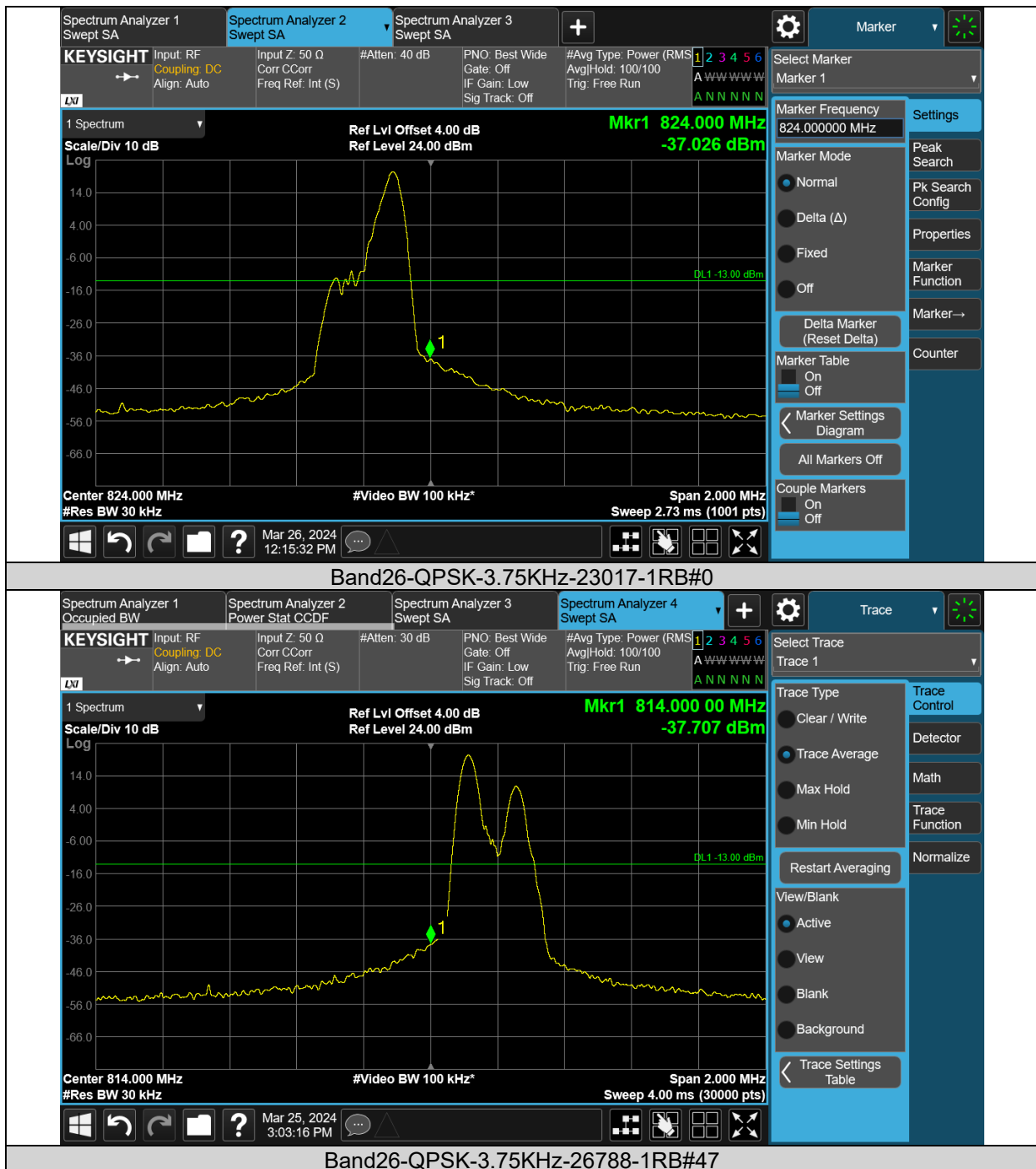
Test Graphs





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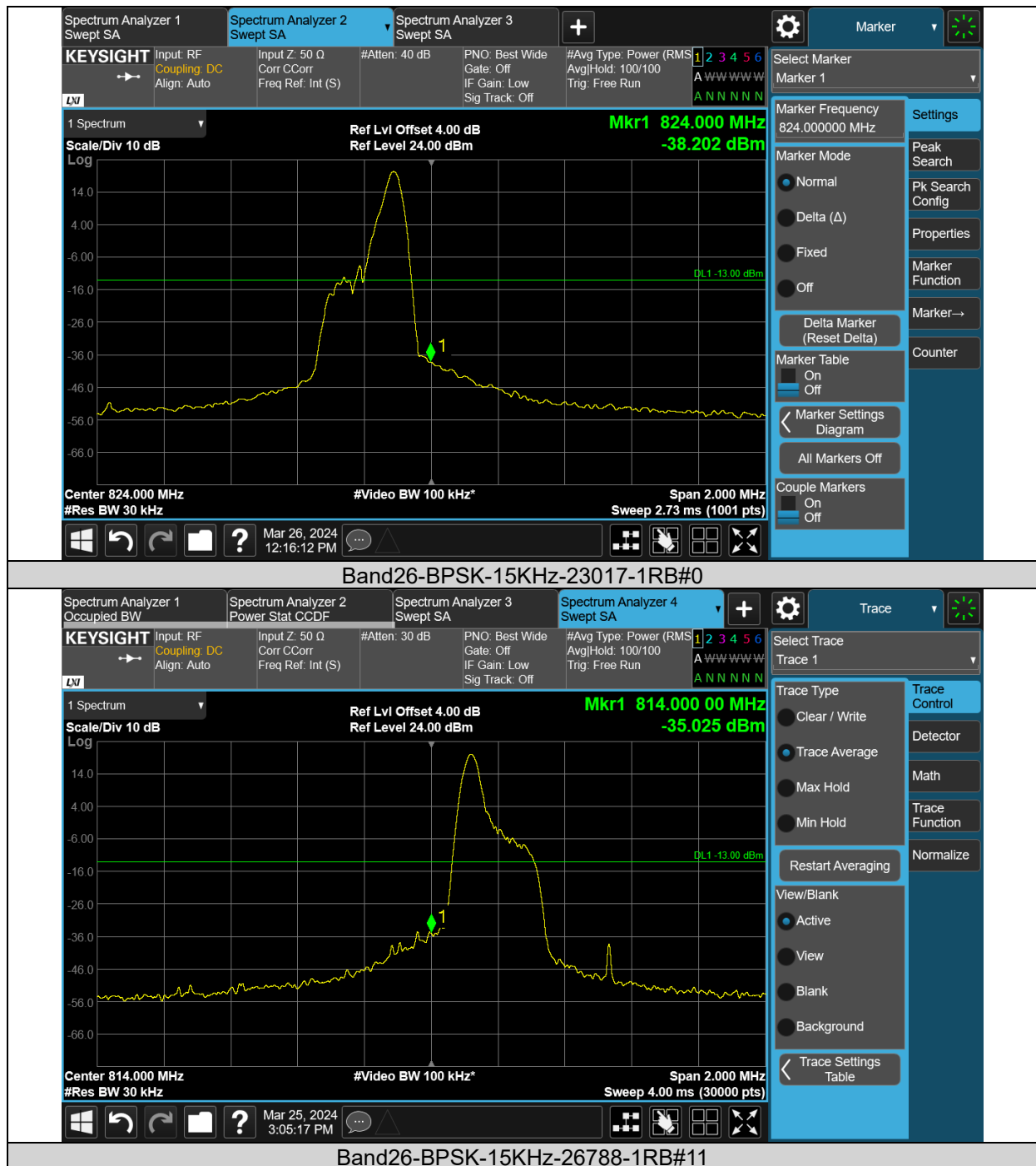
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