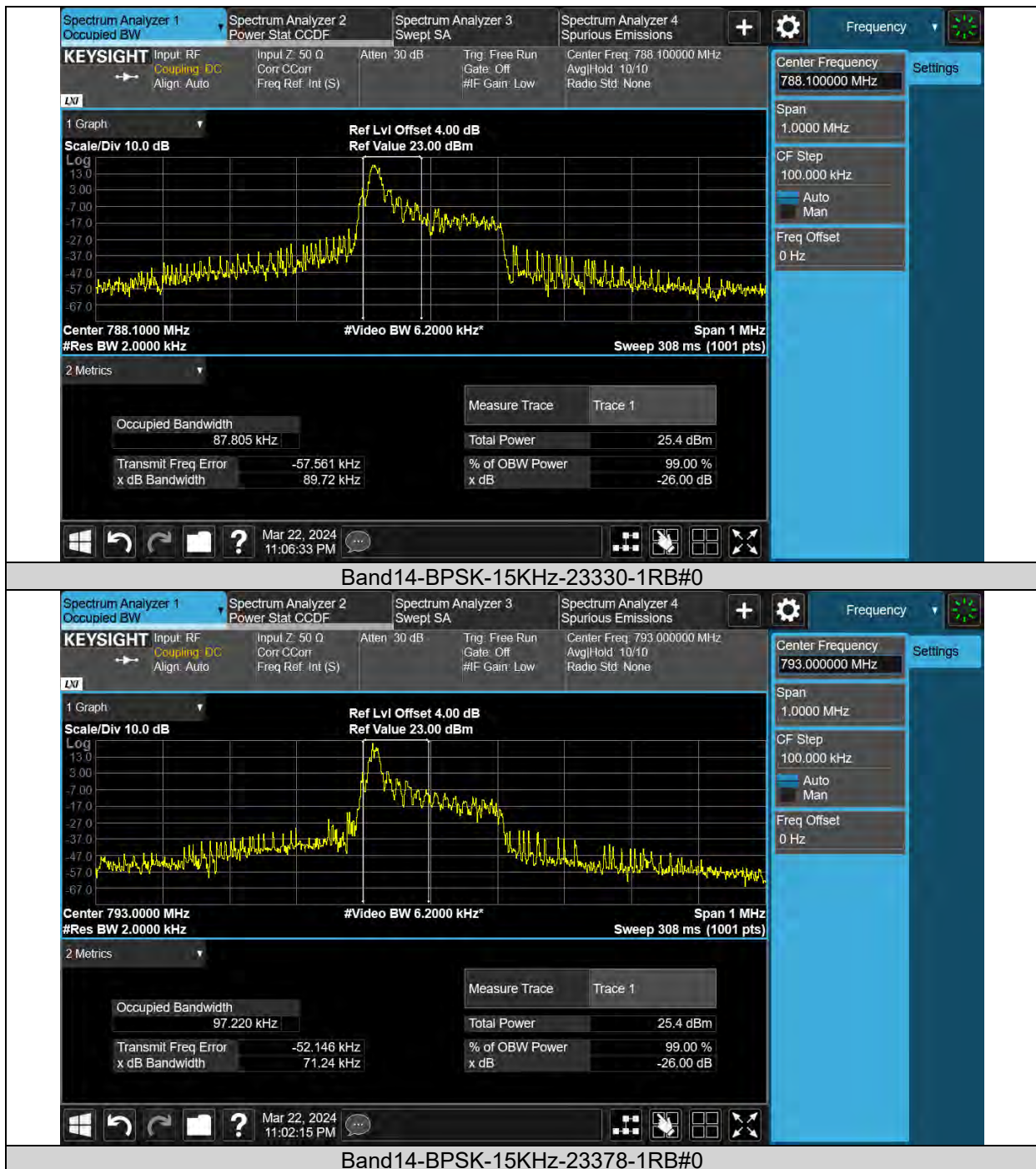




BUREAU
VERITAS

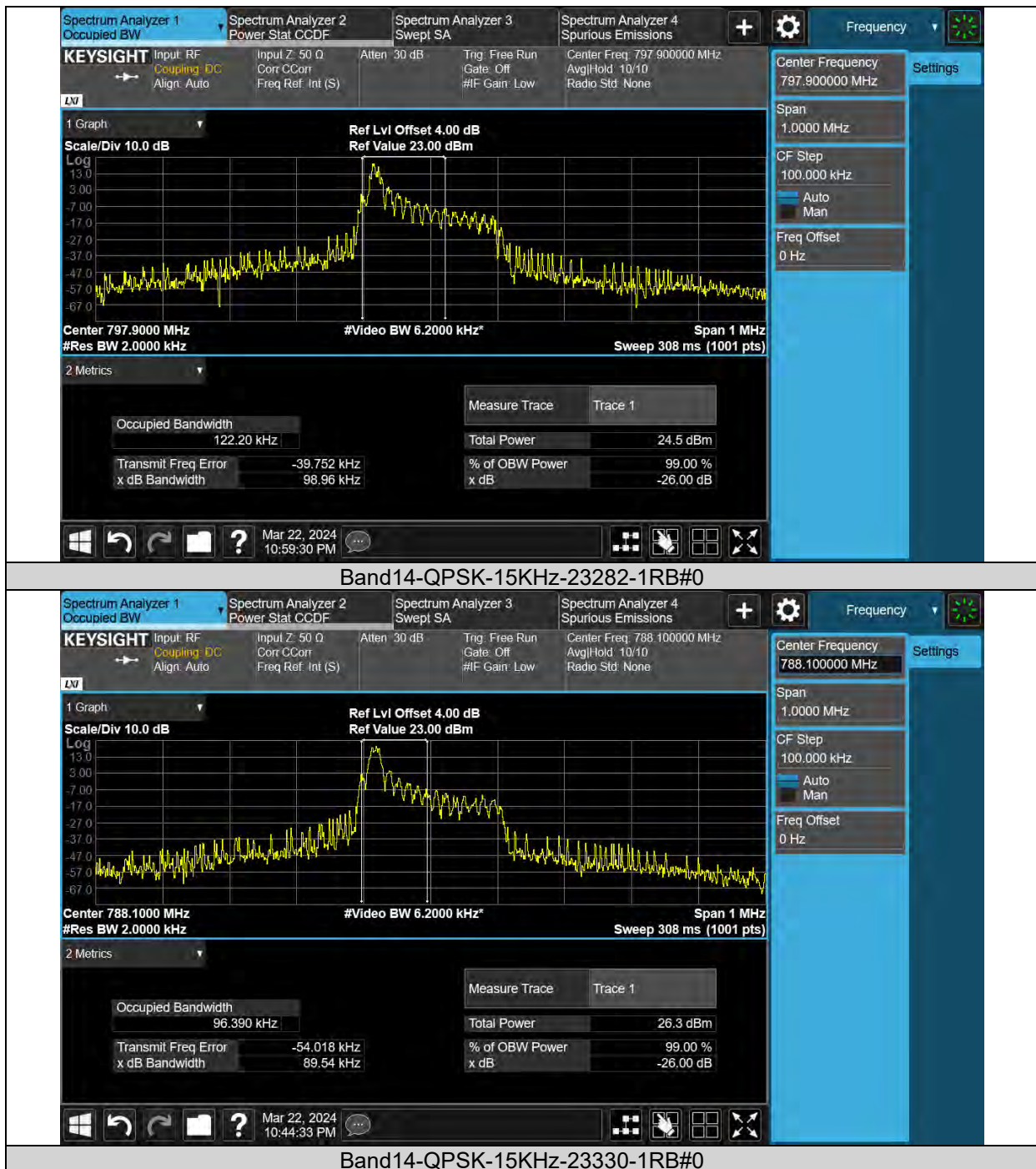
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

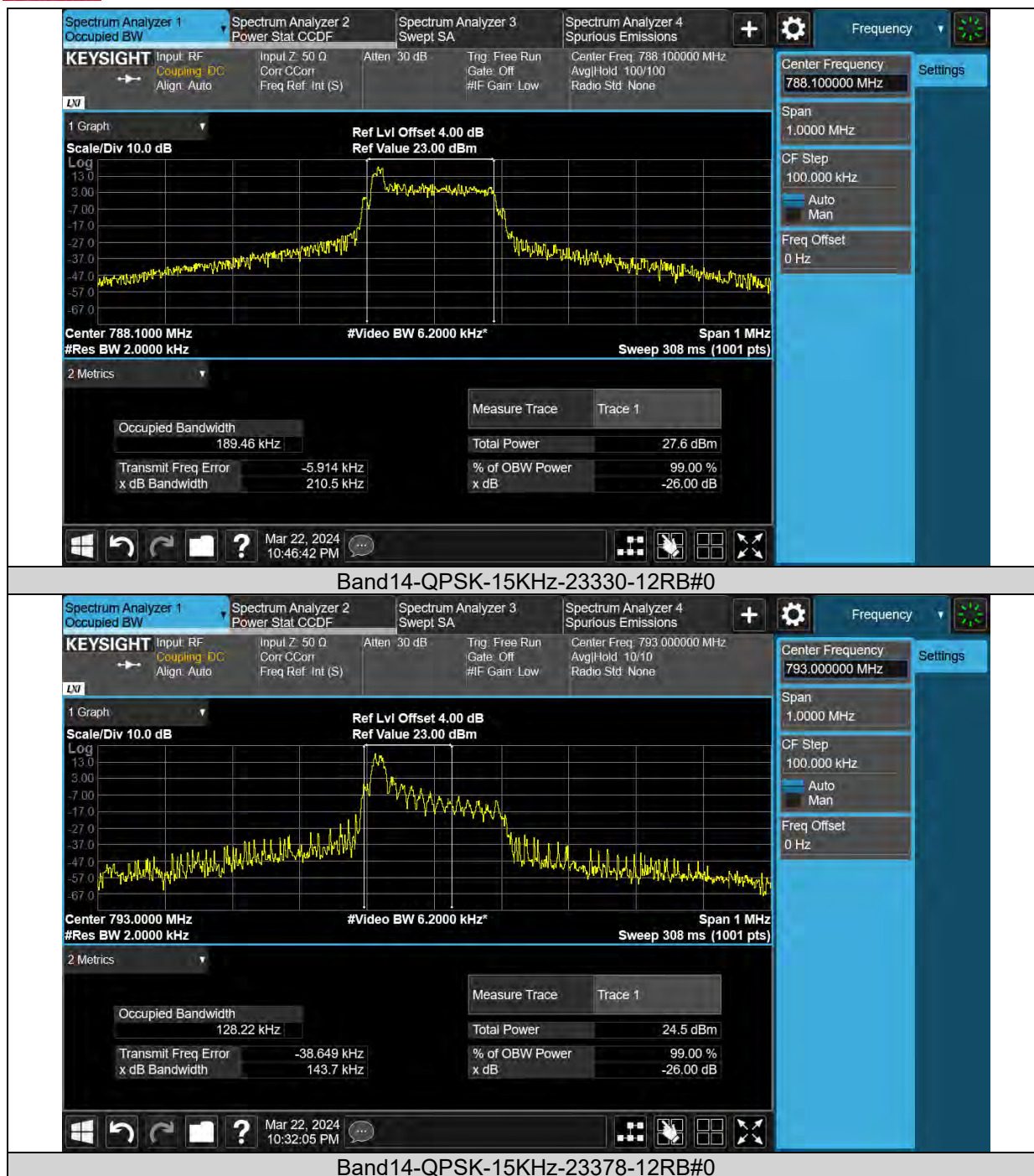
Test Report No.: W7L-240204W001RF05





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VERITAS

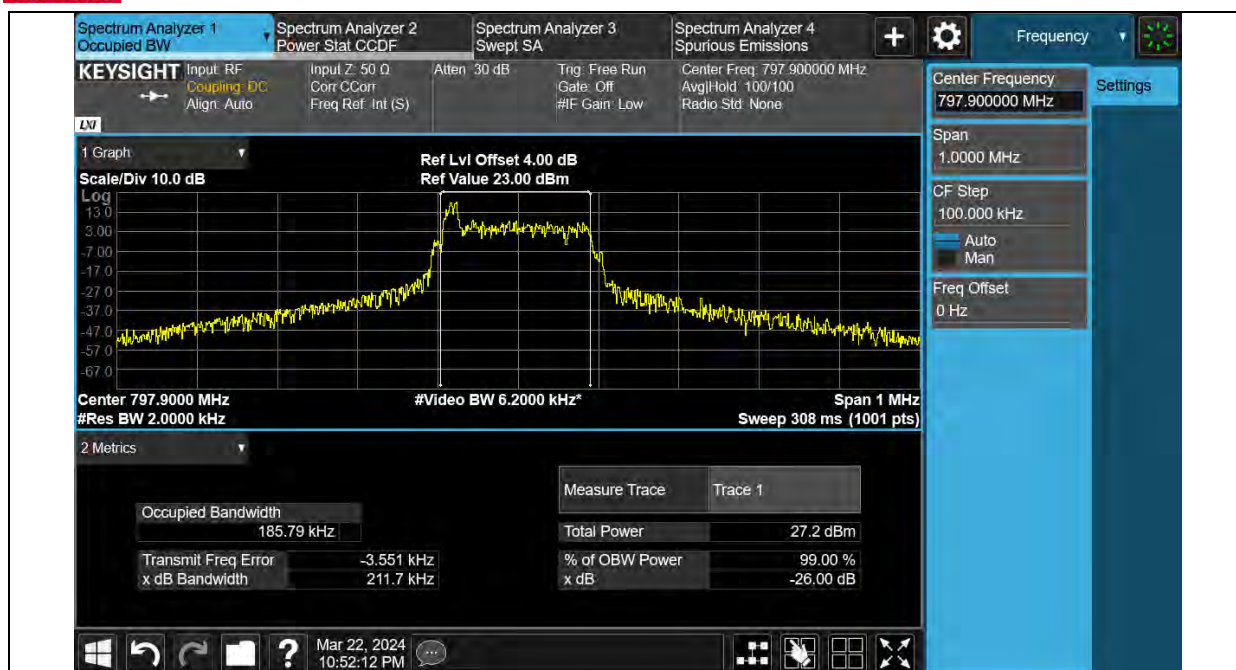
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF05

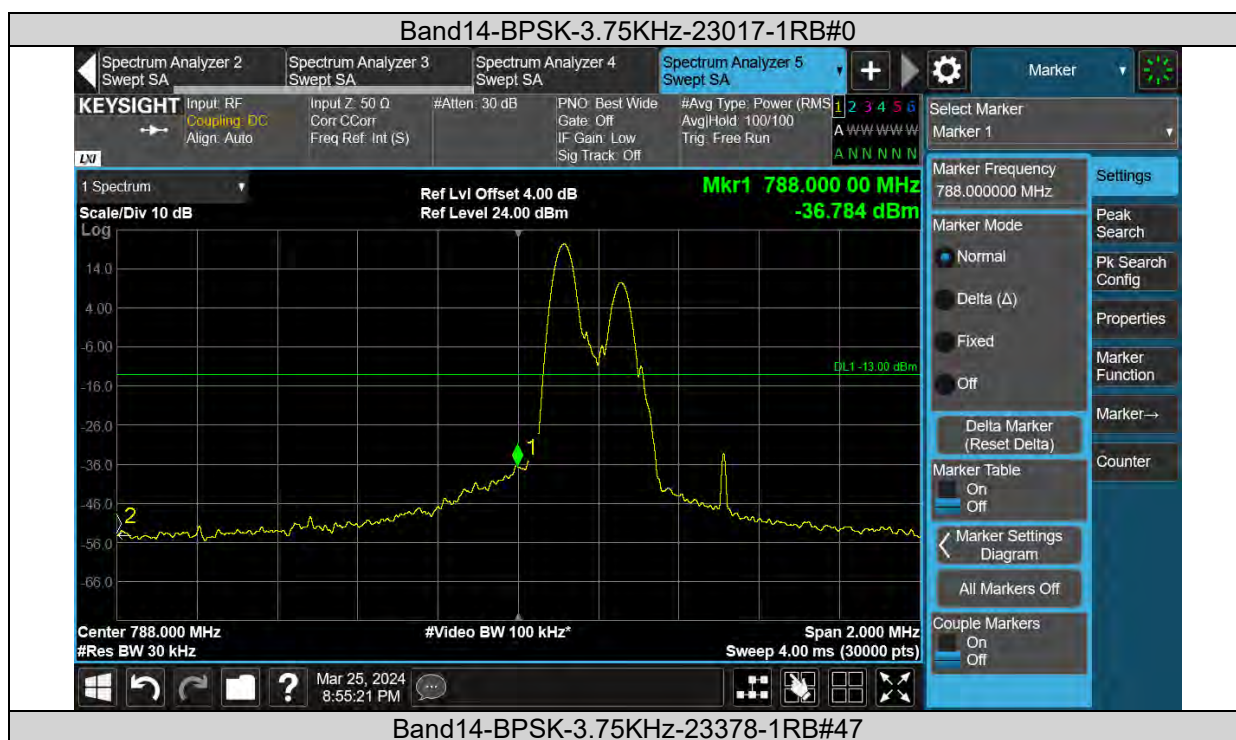


BAND EDGE

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Result(dBm)	Verdict
Band14	BPSK	3.75	23282	1RB#0	See Graph	PASS
Band14	BPSK	3.75	23378	1RB#47	See Graph	PASS
Band14	QPSK	3.75	23282	1RB#0	See Graph	PASS
Band14	QPSK	3.75	23378	1RB#47	See Graph	PASS
Band14	BPSK	15	23282	1RB#0	See Graph	PASS
Band14	BPSK	15	23378	1RB#11	See Graph	PASS
Band14	QPSK	15	23282	1RB#0	See Graph	PASS
Band14	QPSK	15	23378	1RB#11	See Graph	PASS
Band14	QPSK	15	23282	12RB#0	See Graph	PASS
Band14	QPSK	15	23378	12RB#0	See Graph	PASS

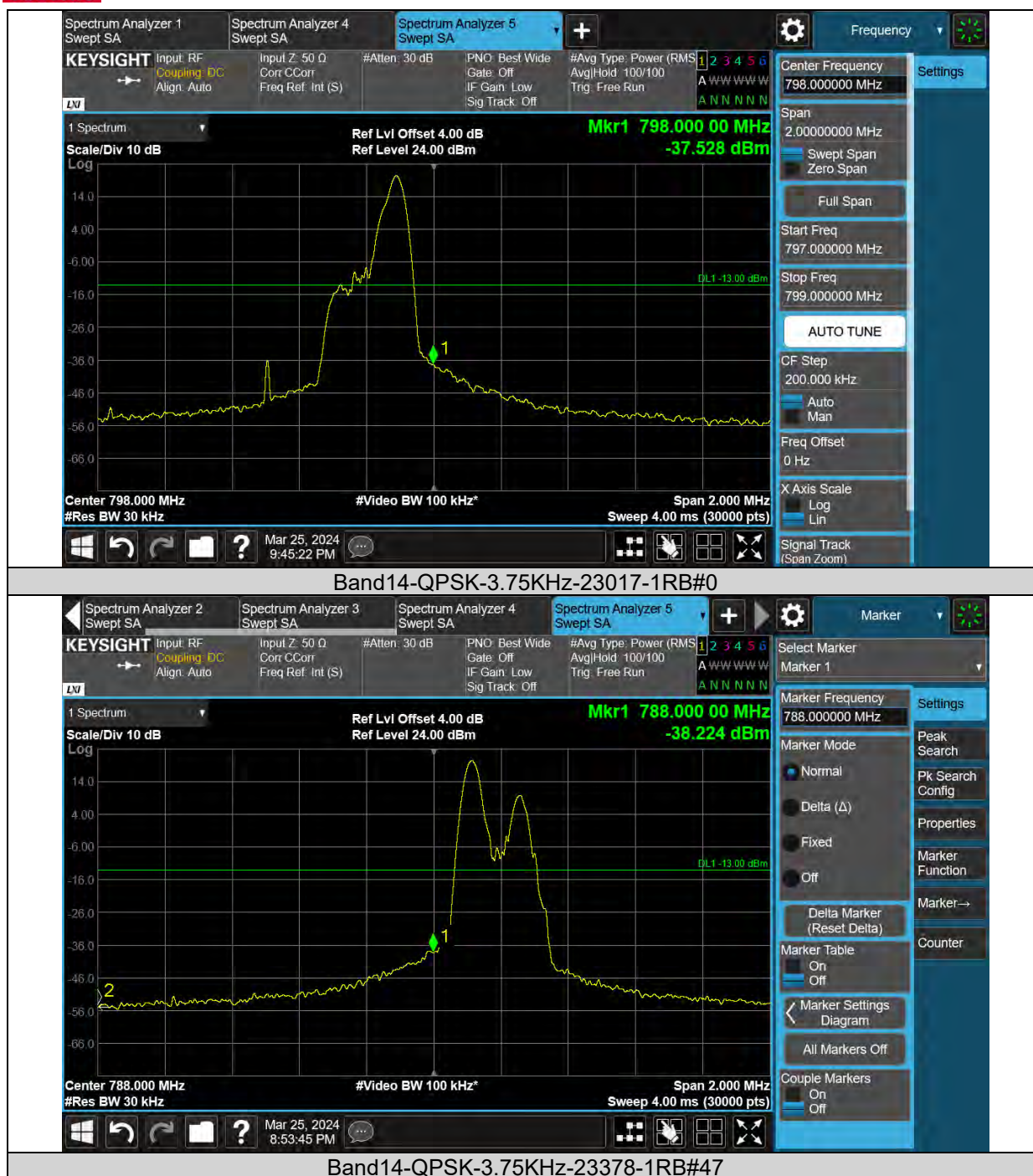
Test Graphs





BUREAU
VERITAS

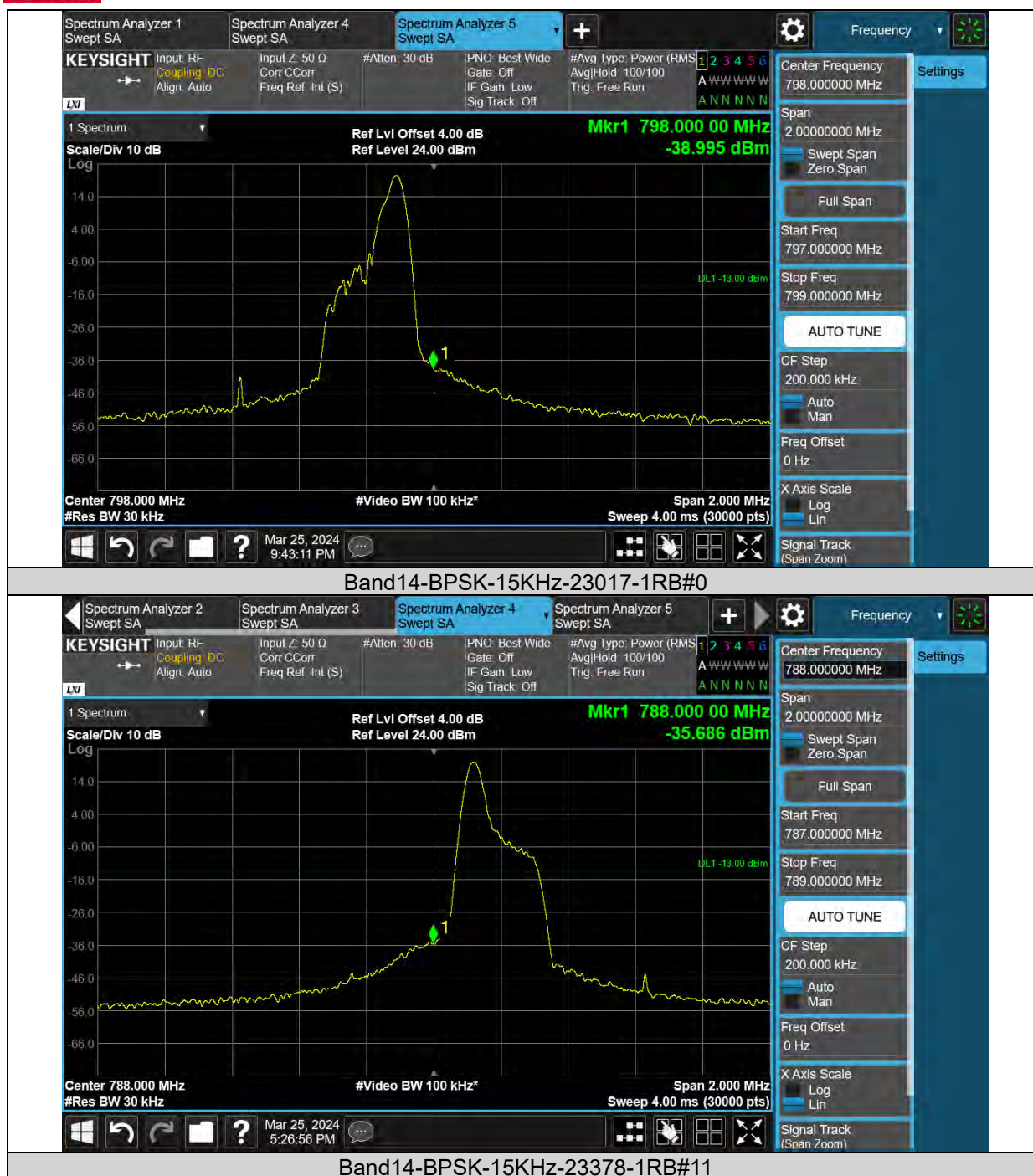
Test Report No.: W7L-240204W001RF05





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VERITAS

Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

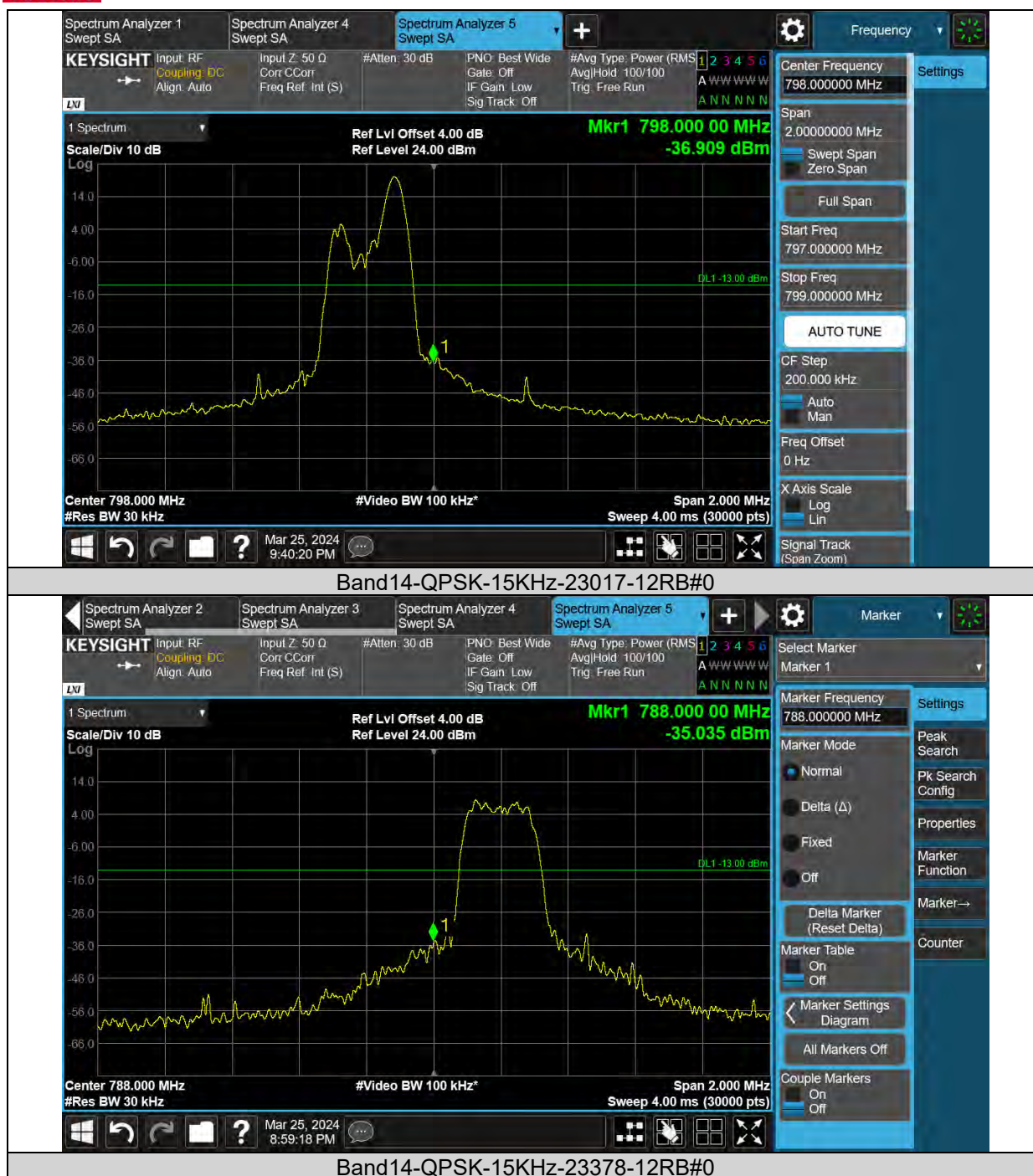
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

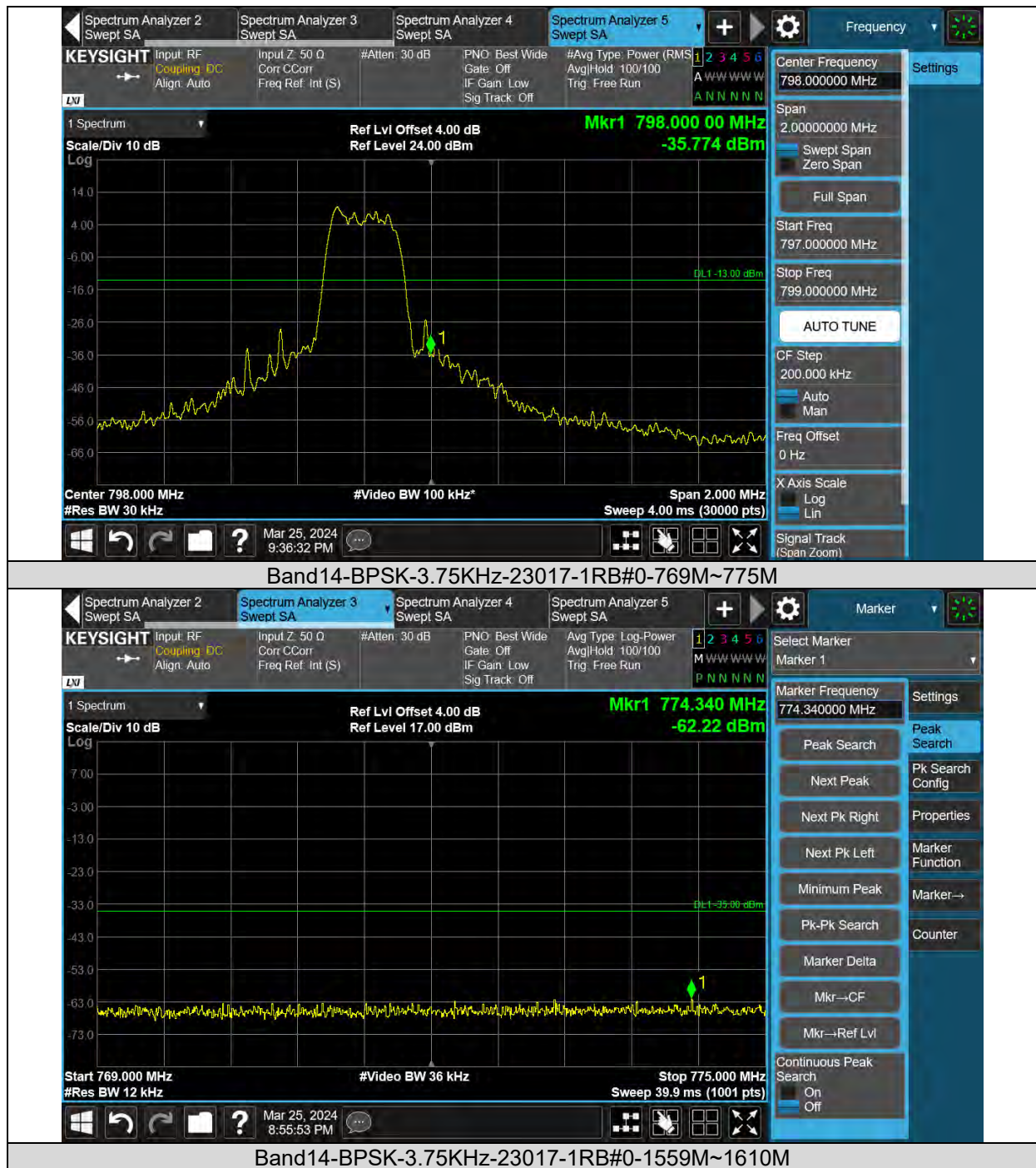
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VERITAS

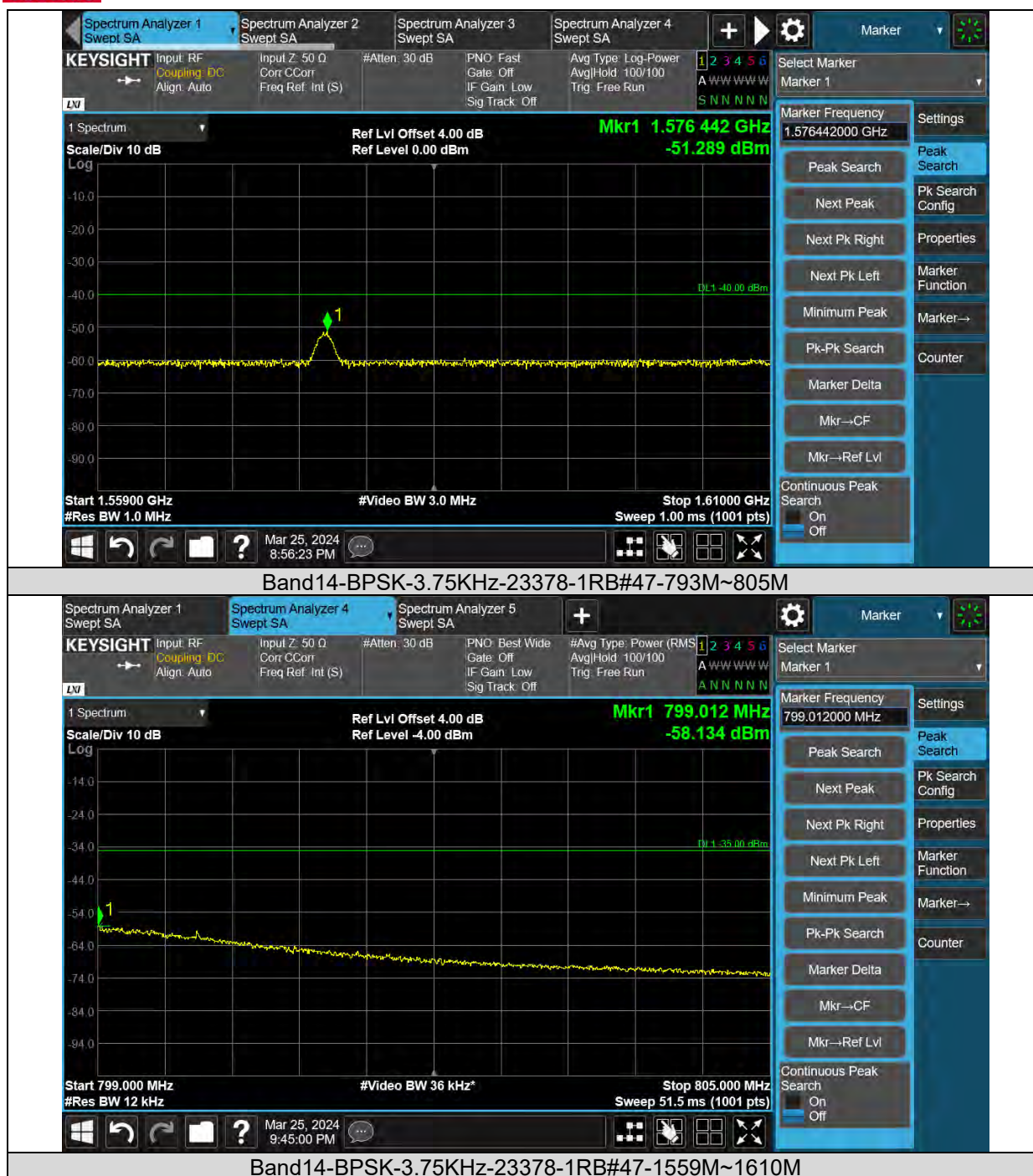
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BUREAU
VERITAS

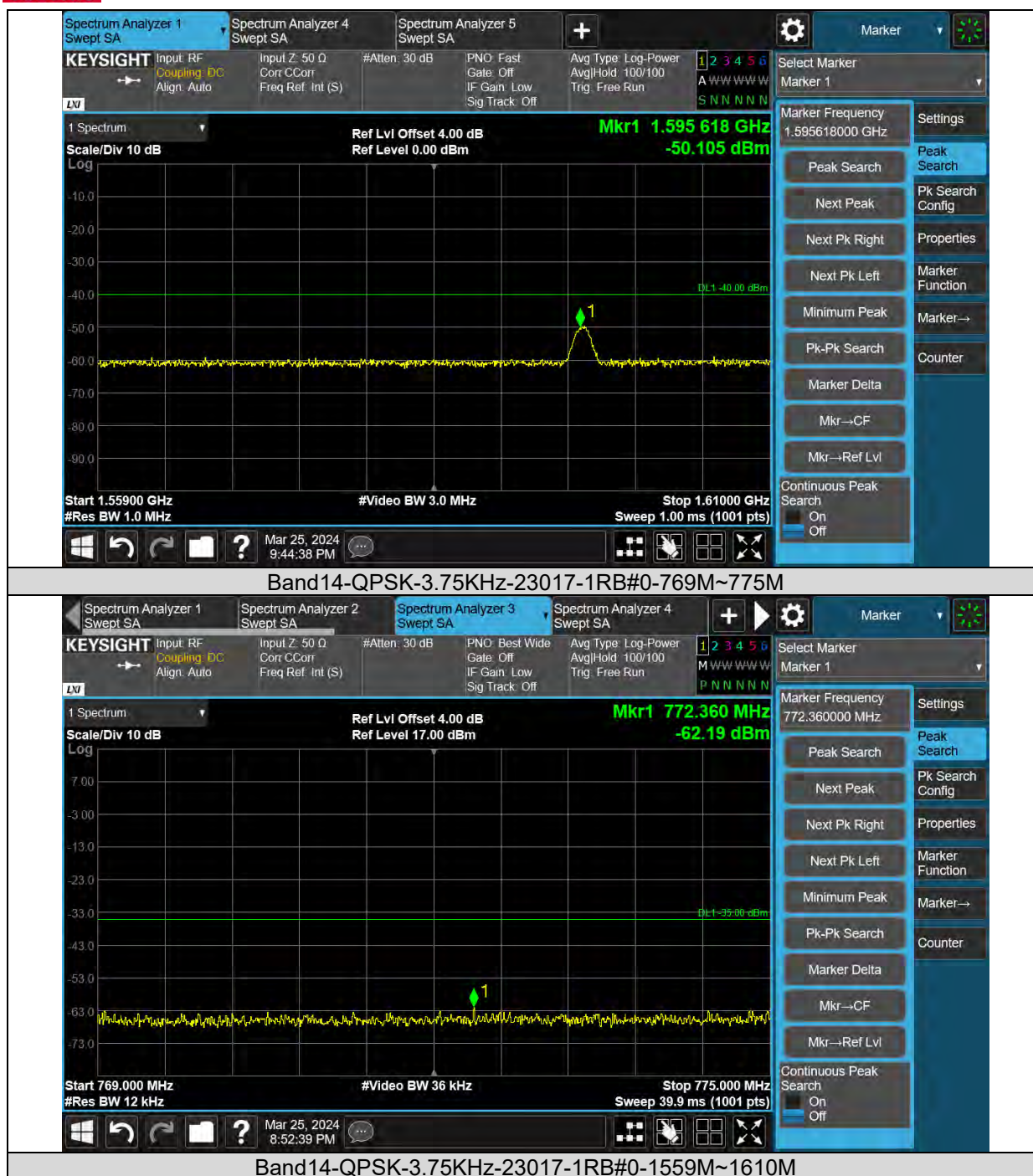
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VERITAS

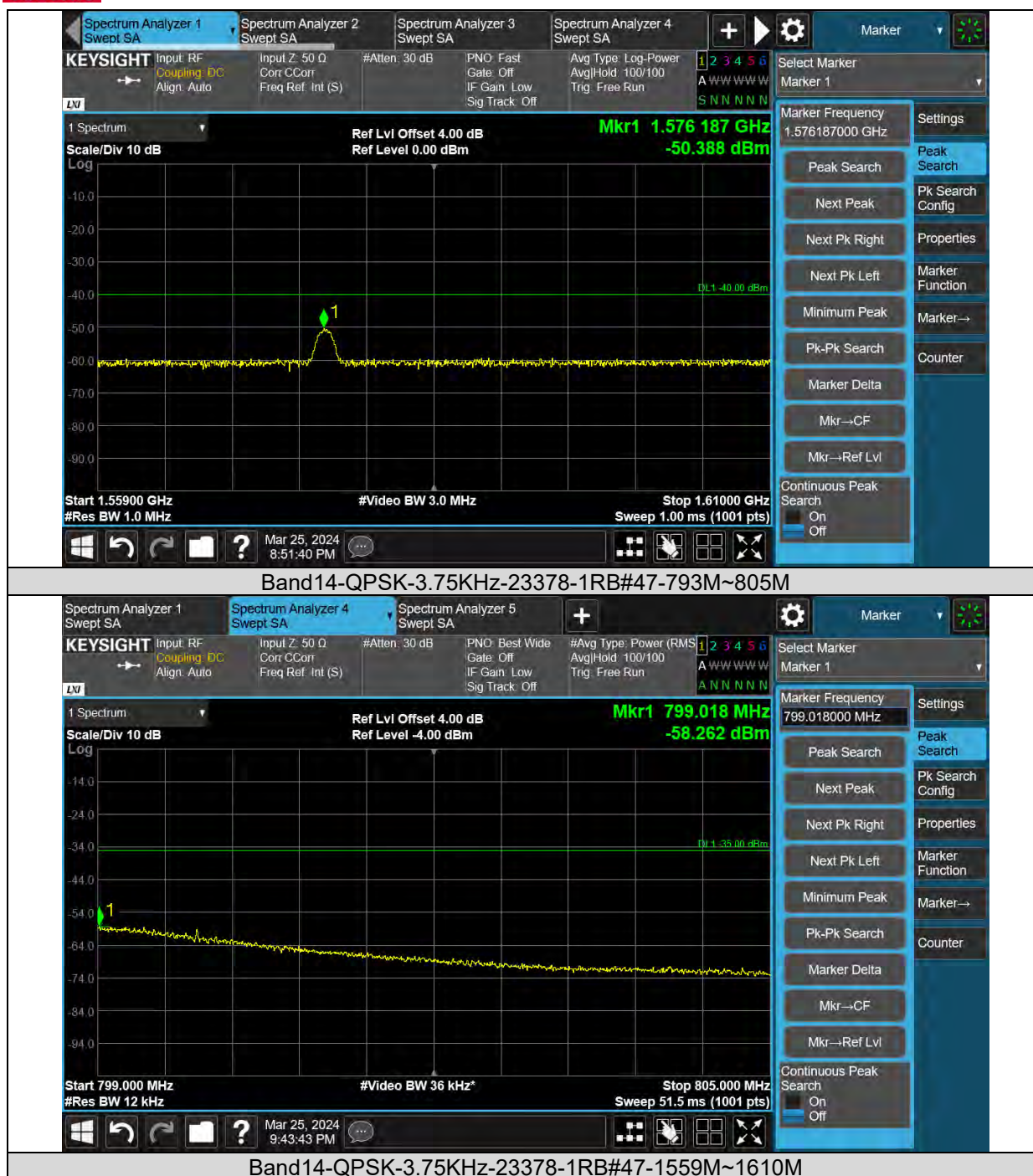
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VERITAS

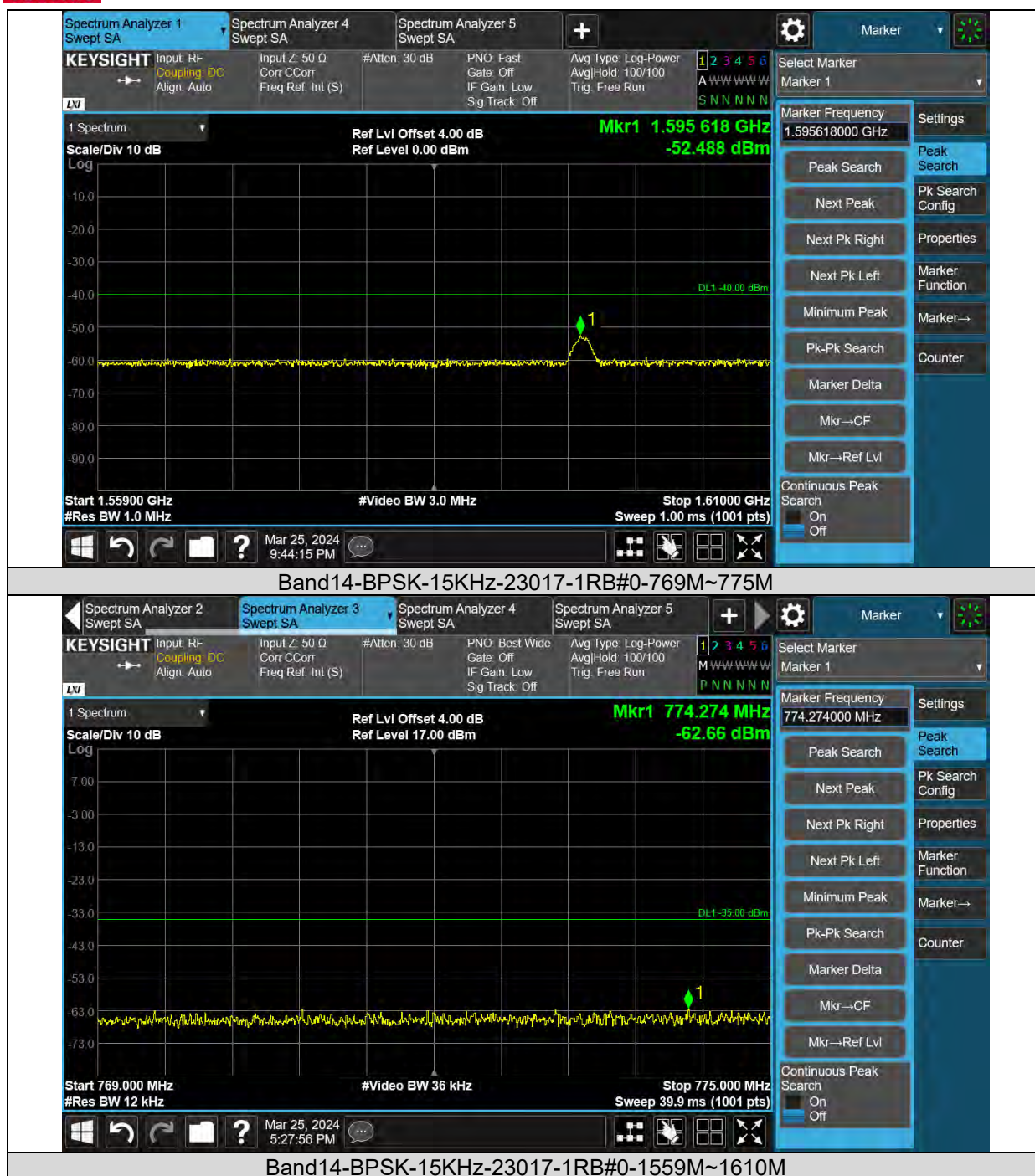
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BUREAU
VERITAS

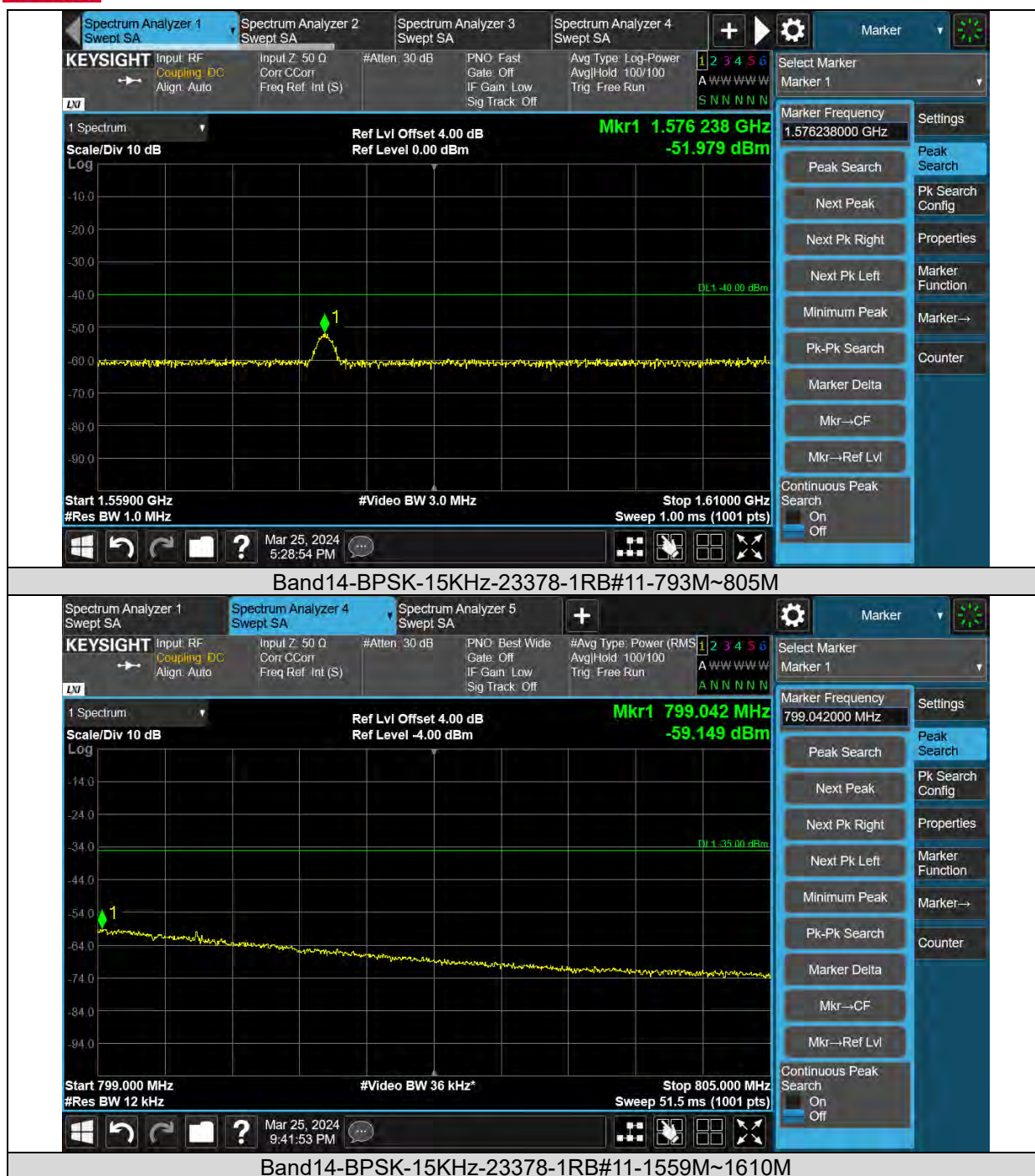
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BUREAU
VERITAS

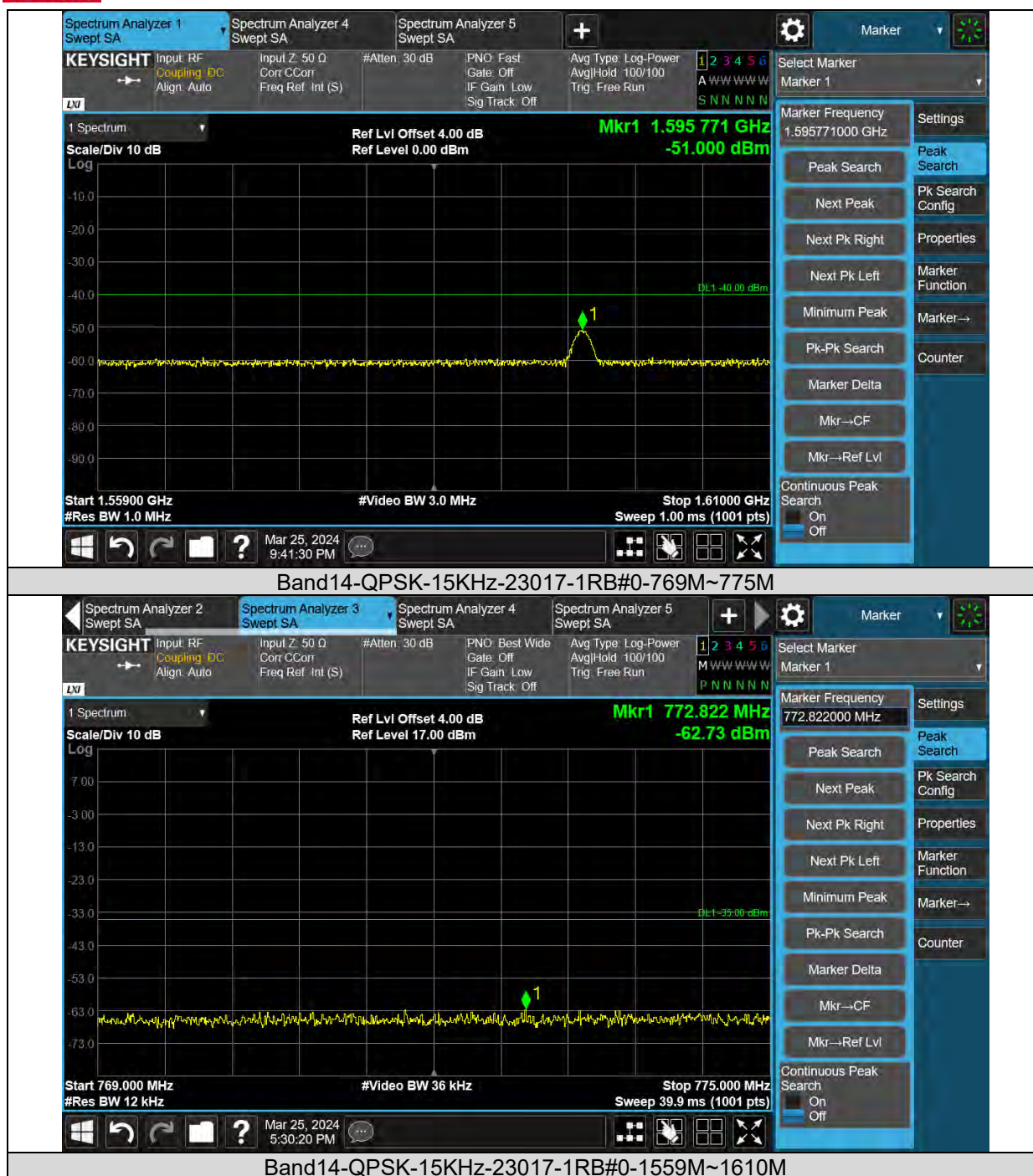
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BUREAU
VERITAS

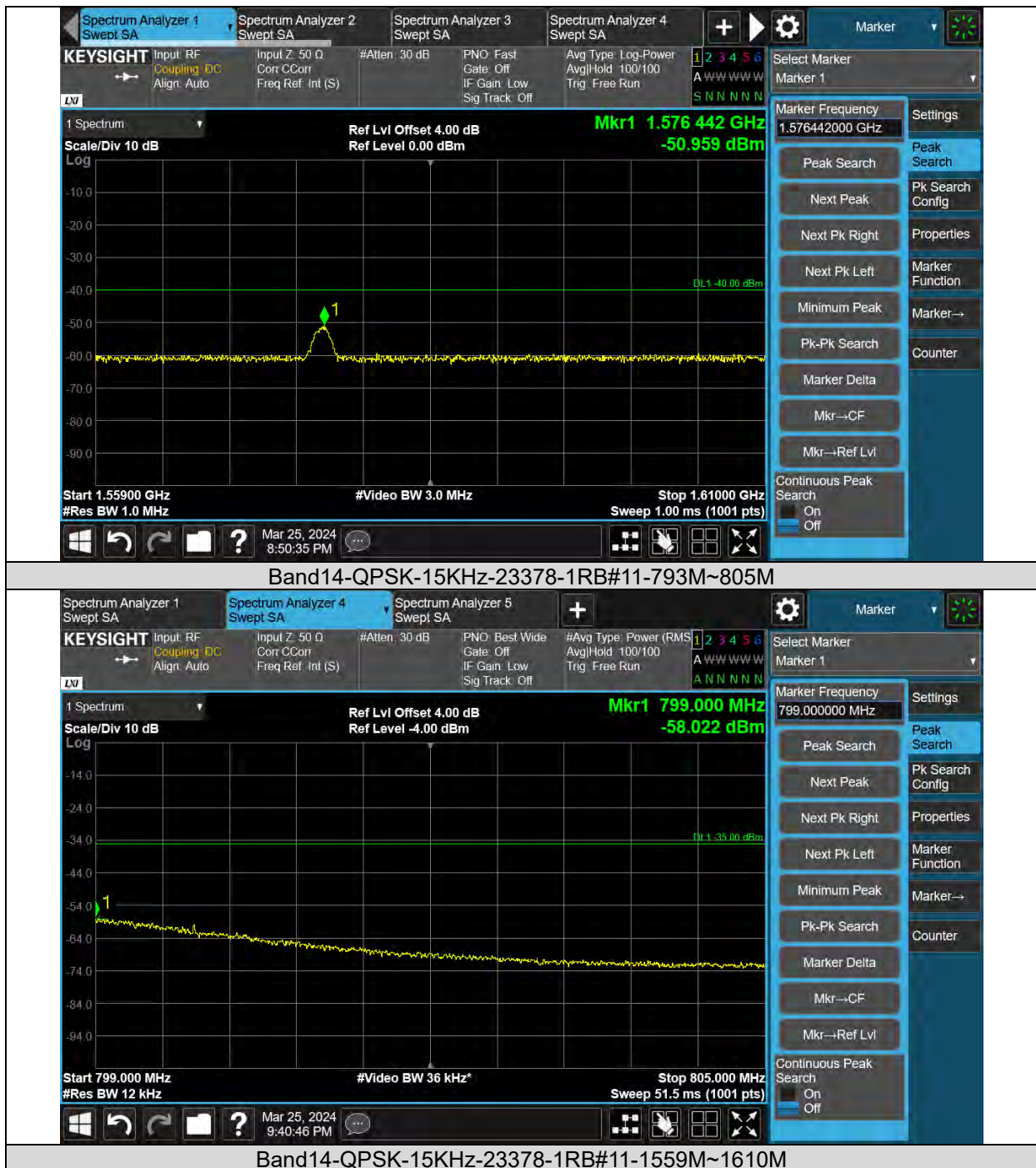
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BUREAU
VERITAS

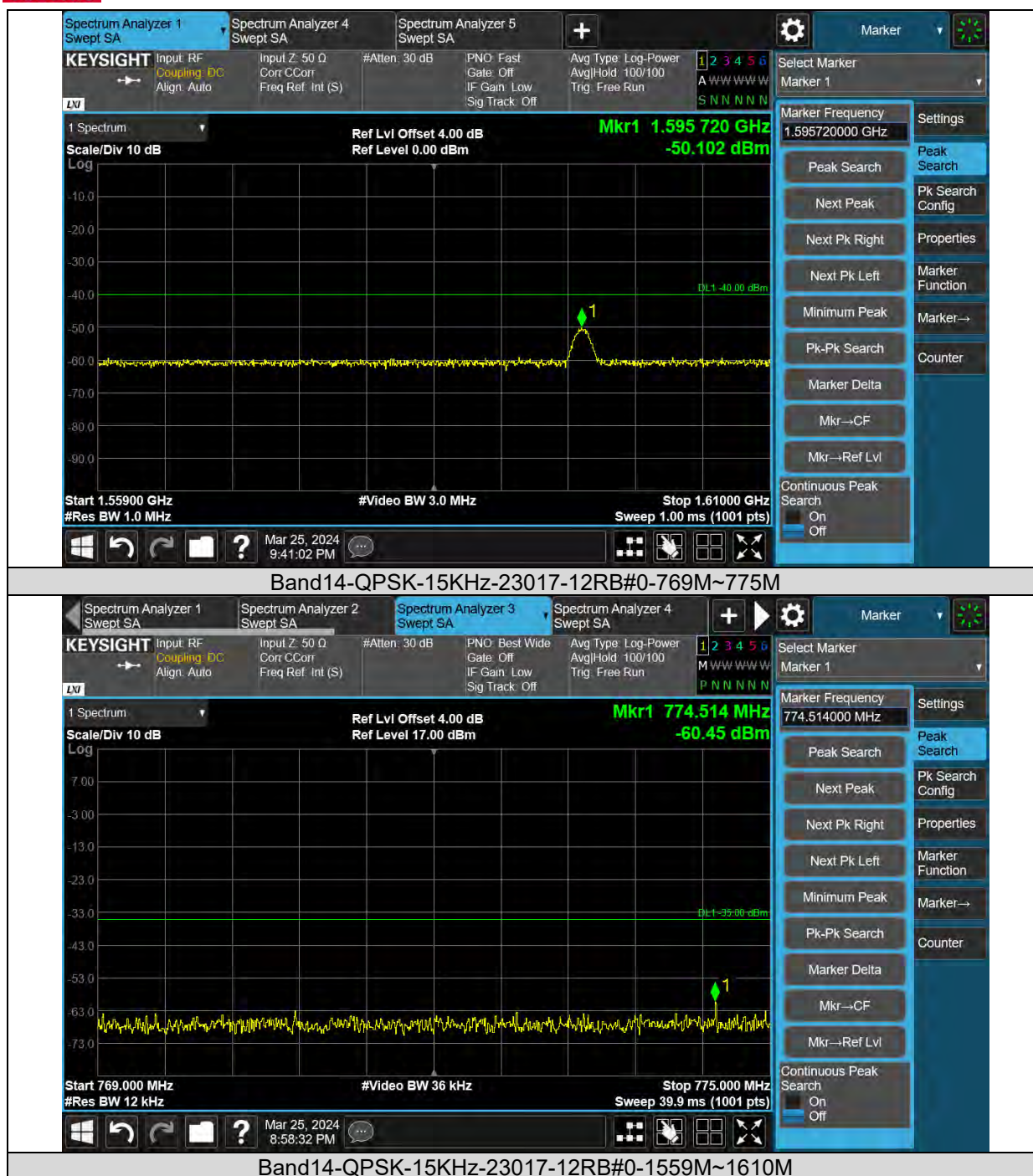
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

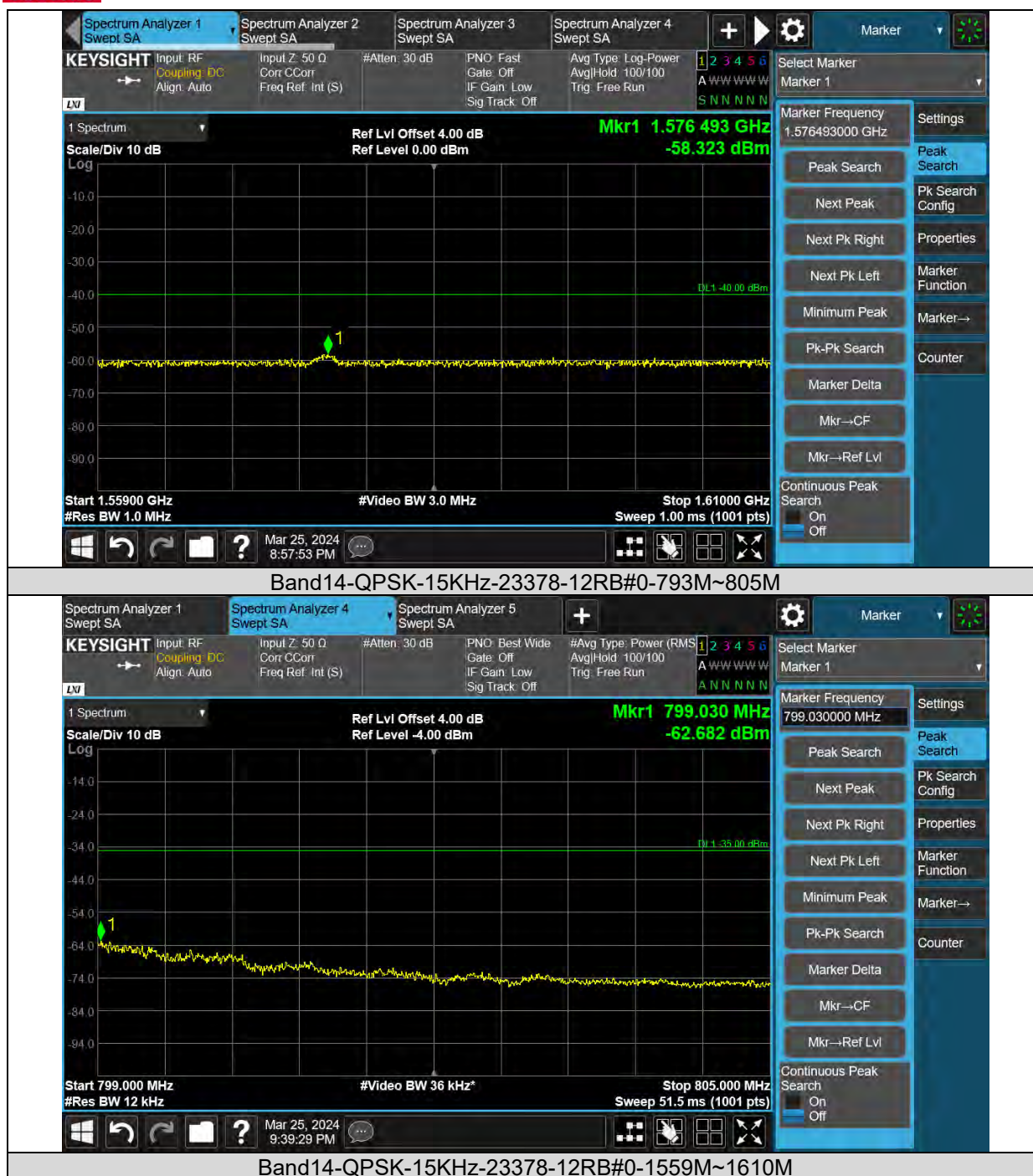
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

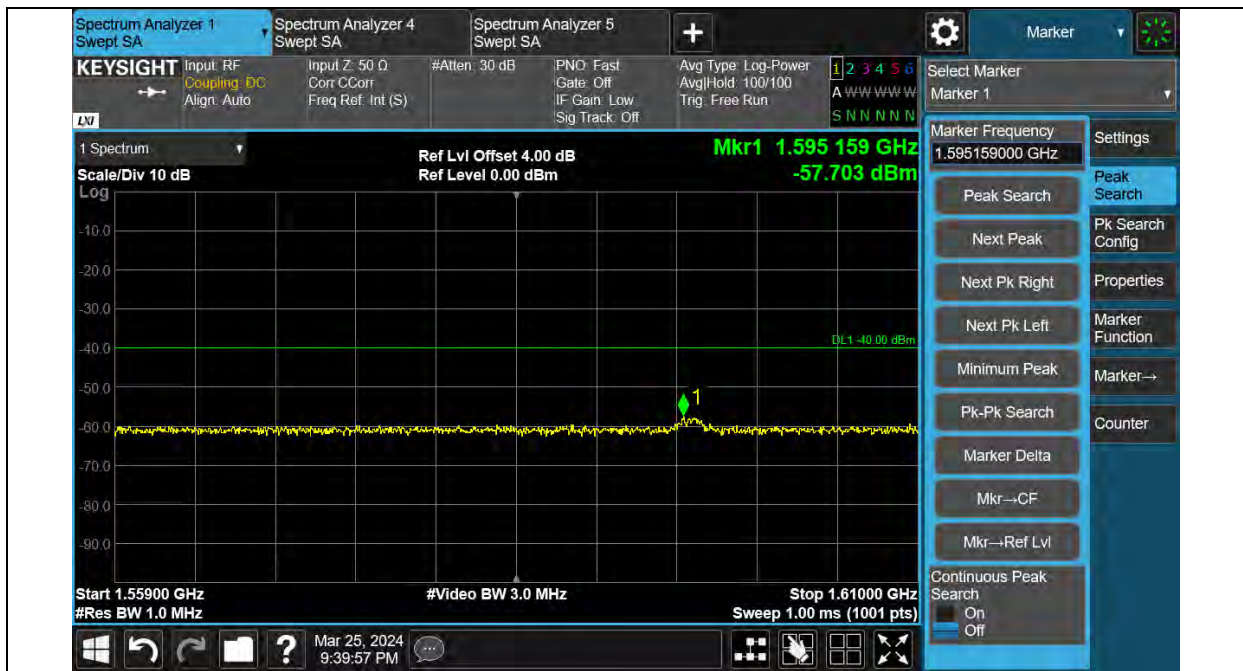
Test Report No.: W7L-240204W001RF05





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VERITAS

Test Report No.: W7L-240204W001RF05



CONDUCTED SPURIOUS EMISSION

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Frequency Range	Result (dBm)	Verdict
Band14	BPSK	3.75	23282	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	BPSK	3.75	23330	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	BPSK	3.75	23378	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	3.75	23282	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	3.75	23330	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	3.75	23378	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	BPSK	15	23282	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	BPSK	15	23330	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	BPSK	15	23378	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	15	23282	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	15	23330	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	15	23378	1RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	15	23282	12RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	15	23330	12RB#0	Range:30M~8000M	See Graph	PASS
Band14	QPSK	15	23378	12RB#0	Range:30M~8000M	See Graph	PASS

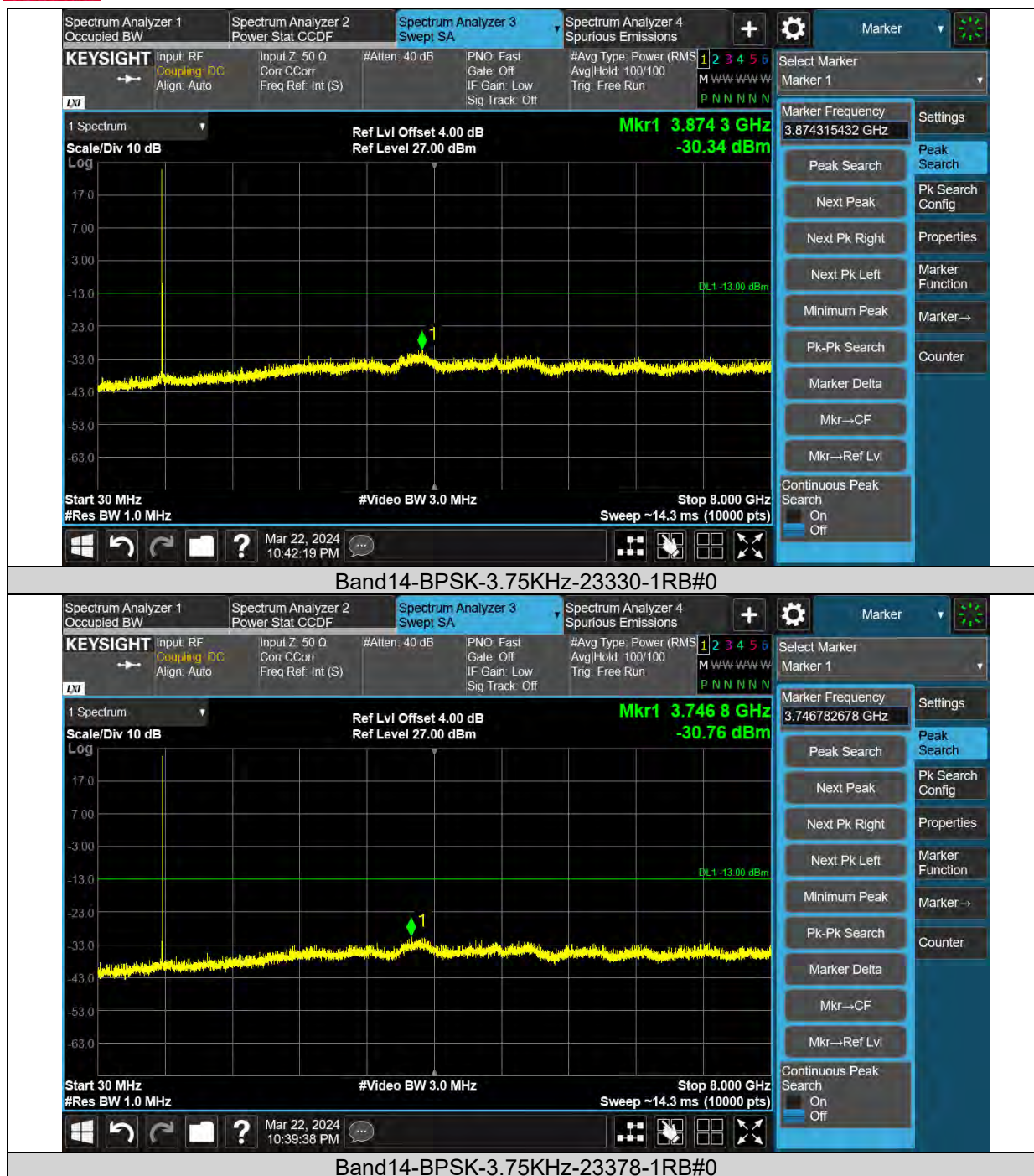
Test Graphs

Band14-BPSK-3.75KHz-23282-1RB#0



BUREAU
VERITAS

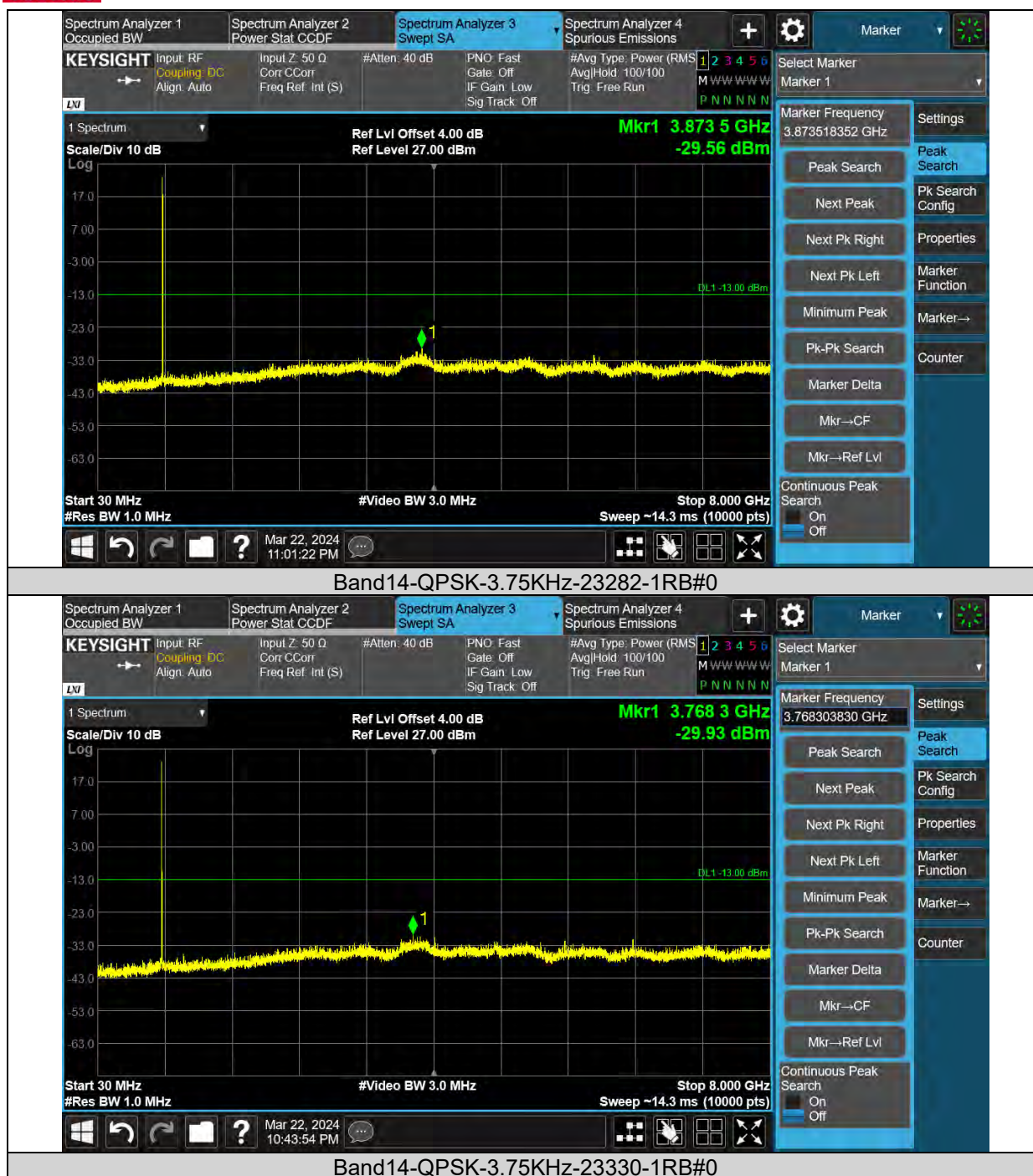
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BUREAU
VERITAS

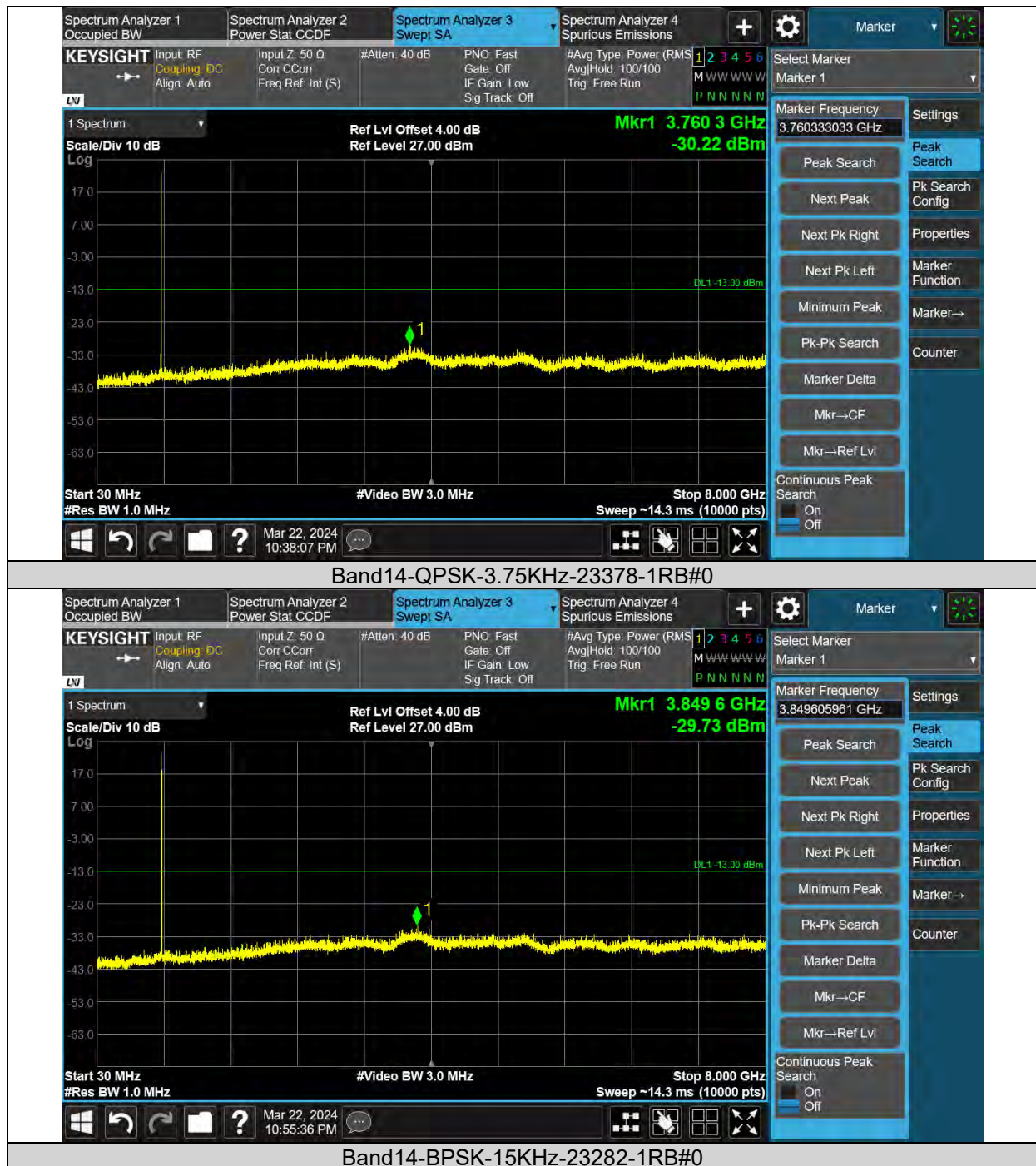
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BUREAU
VERITAS

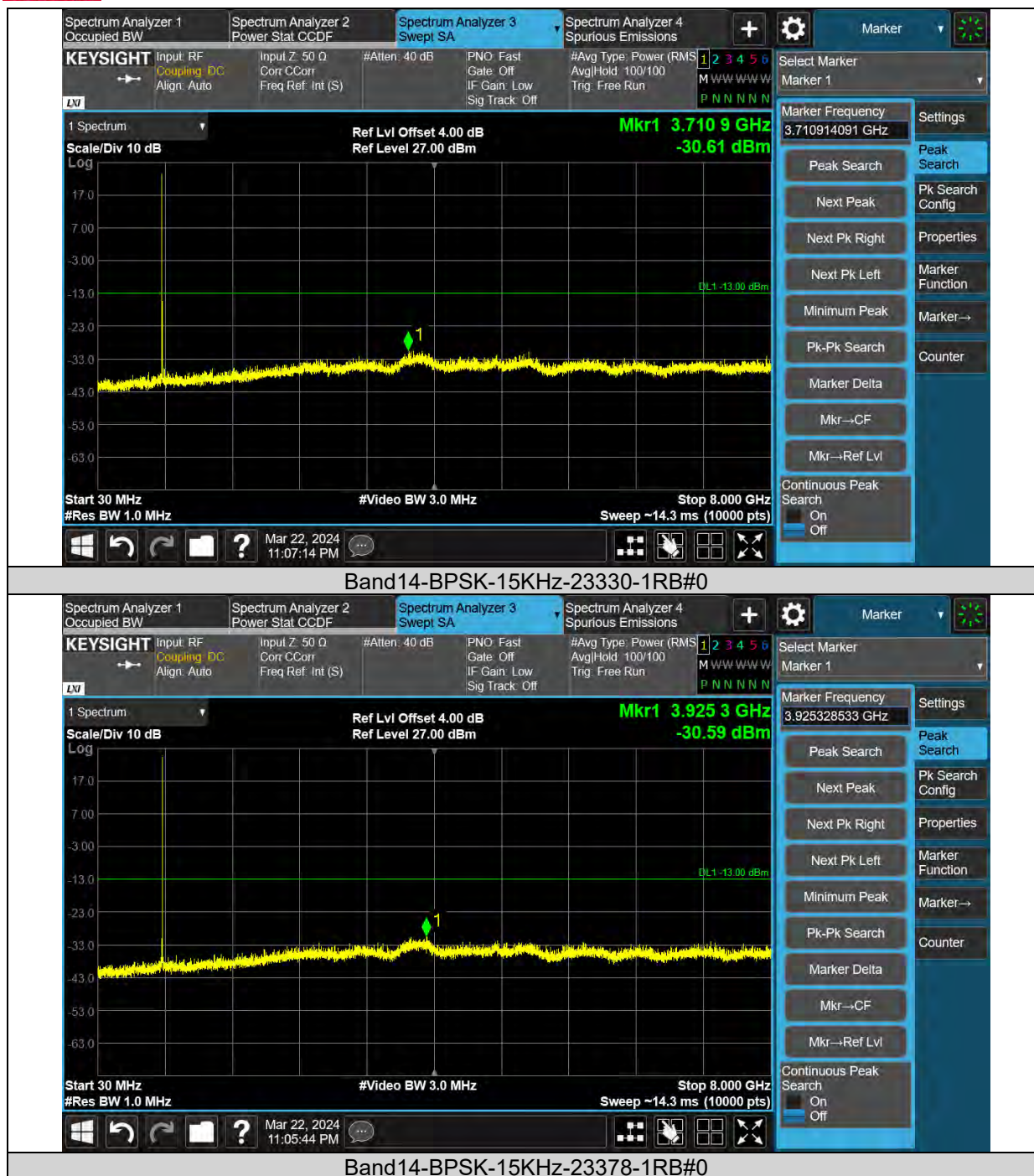
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VERITAS

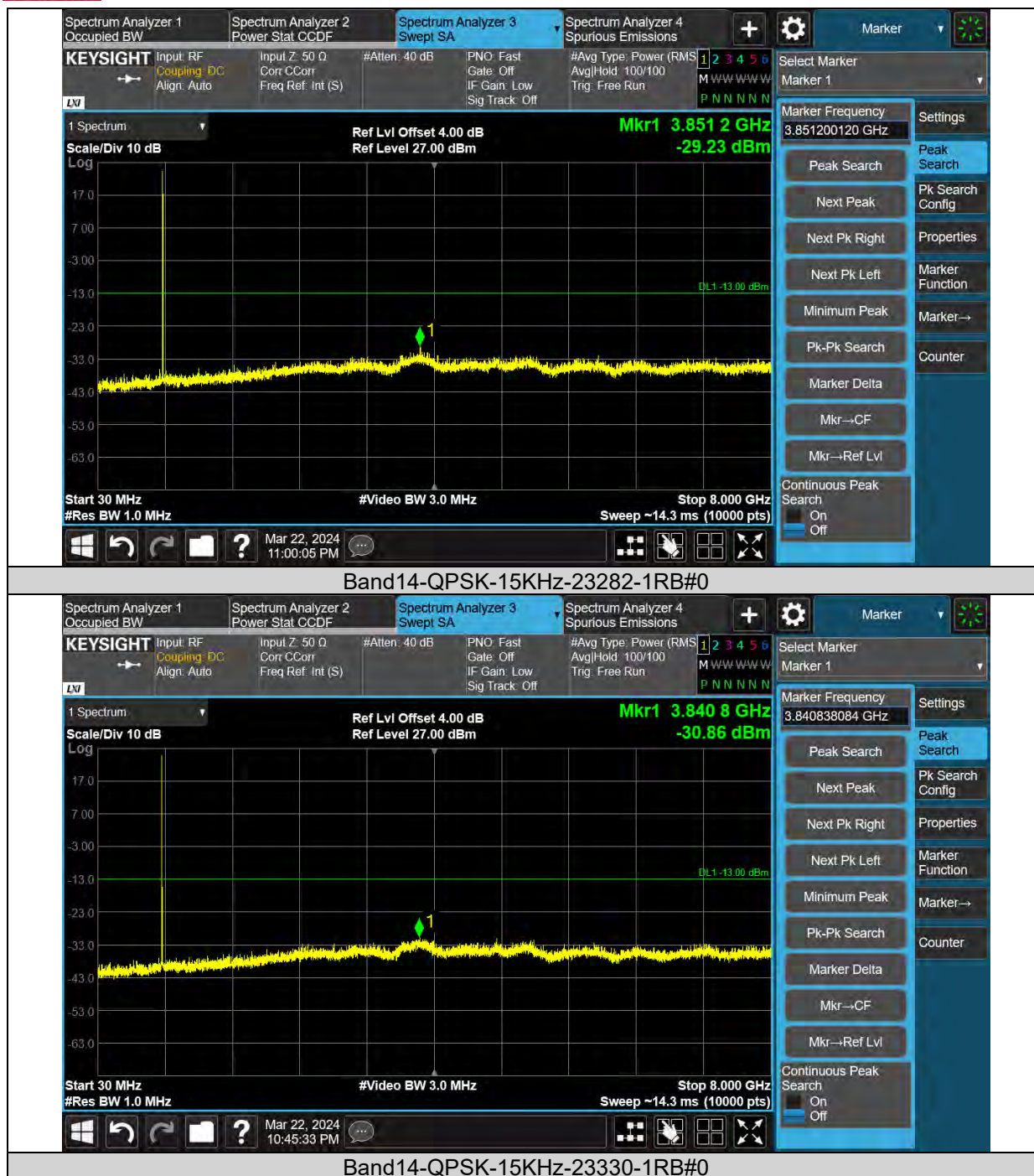
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VERITAS

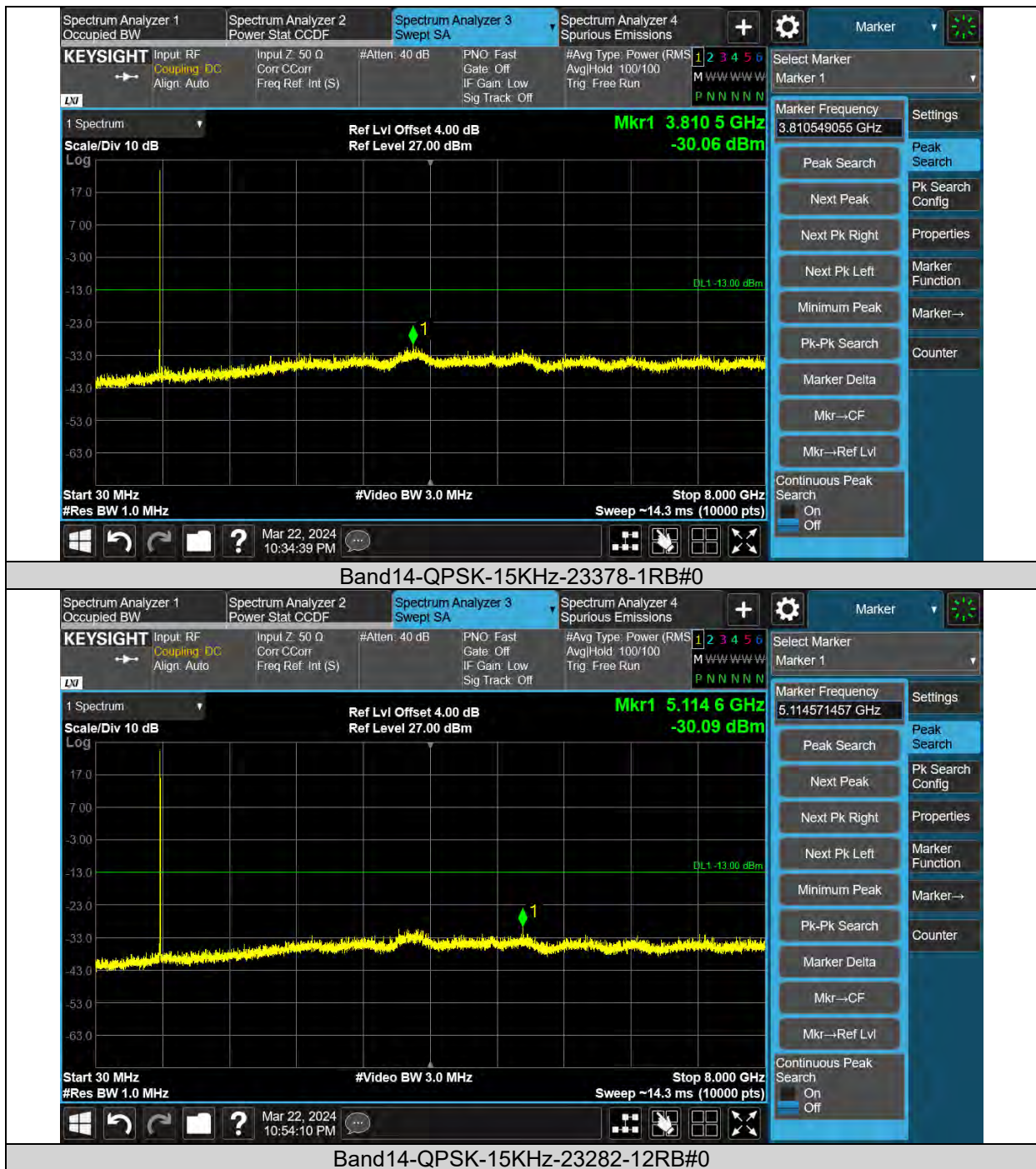
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VERITAS

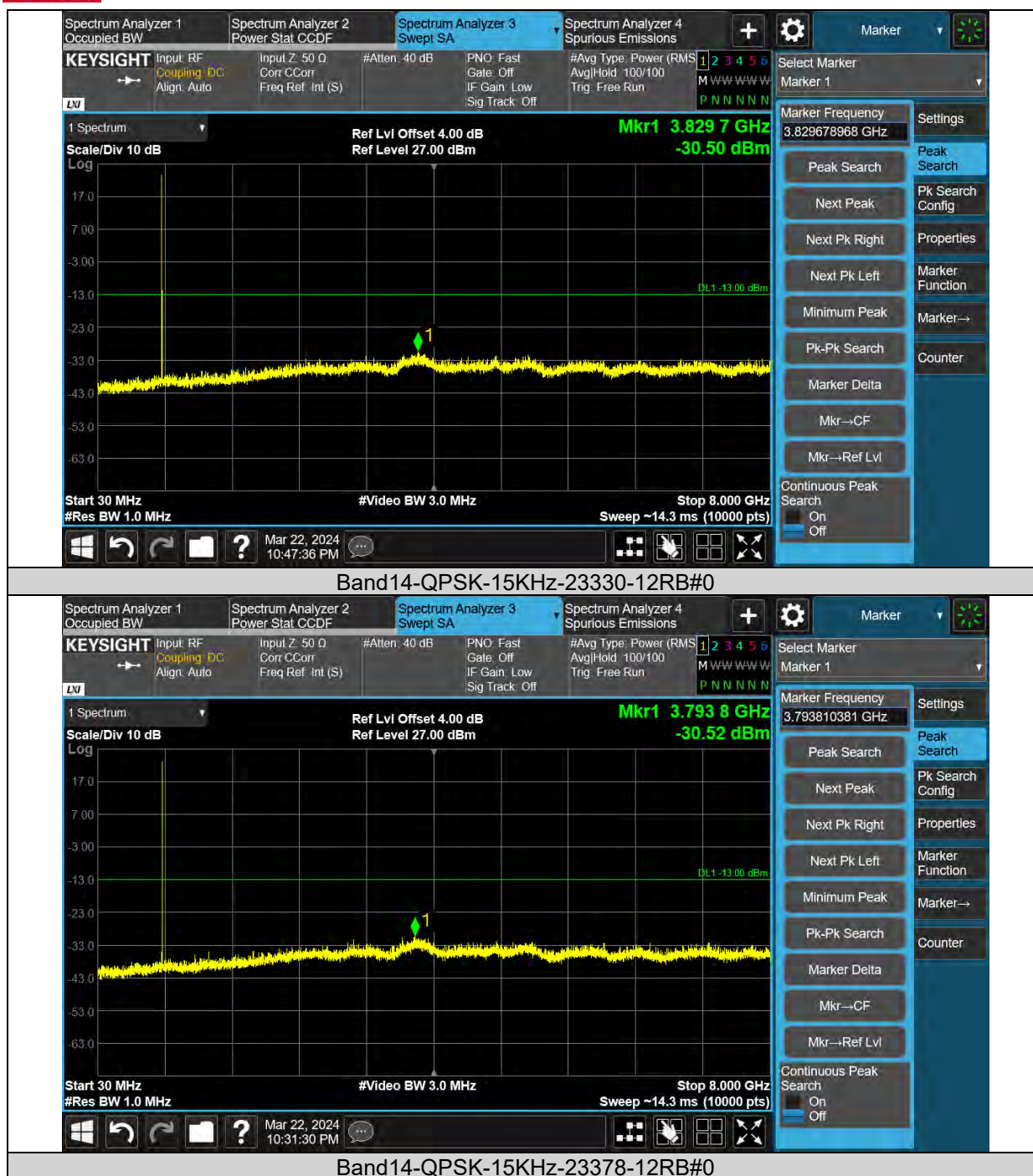
Test Report No.: W7L-240204W001RF05





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VERITAS

Test Report No.: W7L-240204W001RF05





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VERITAS

Test Report No.: W7L-240204W001RF05



FREQUENCY STABILITY

Test Result

Voltage								
Band	Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	QPSK	23330	VL	NT	7.73	0.031828	±2.5	PASS
Band14	QPSK	23330	VN	NT	24.35	0.031238	±2.5	PASS
Band14	QPSK	23330	VH	NT	25.69	0.032957	±2.5	PASS
Band14	BPSK	23330	VL	NT	33.93	0.043389	±2.5	PASS
Band14	BPSK	23330	VN	NT	13.76	0.017596	±2.5	PASS
Band14	BPSK	23330	VH	NT	21.76	0.027826	±2.5	PASS

Temperature								
Band	Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	QPSK	23330	NV	-30	6.31	0.008069	±2.5	PASS
Band14	QPSK	23330	NV	-20	-24.2	-0.030946	±2.5	PASS
Band14	QPSK	23330	NV	-10	-14.5	-0.018542	±2.5	PASS
Band14	QPSK	23330	NV	0	-8.4	-0.010742	±2.5	PASS
Band14	QPSK	23330	NV	10	7.1	0.009079	±2.5	PASS
Band14	QPSK	23330	NV	20	-4.8	-0.006138	±2.5	PASS
Band14	QPSK	23330	NV	30	-1.5	-0.001918	±2.5	PASS
Band14	QPSK	23330	NV	40	-16.5	-0.021100	±2.5	PASS
Band14	QPSK	23330	NV	50	-5.4	-0.006905	±2.5	PASS
Band14	BPSK	23330	NV	-30	23.5	0.030051	±2.5	PASS
Band14	BPSK	23330	NV	-20	15.3	0.019565	±2.5	PASS
Band14	BPSK	23330	NV	-10	-12.8	-0.016368	±2.5	PASS
Band14	BPSK	23330	NV	0	0.8	0.001023	±2.5	PASS
Band14	BPSK	23330	NV	10	1.2	0.001535	±2.5	PASS
Band14	BPSK	23330	NV	20	13	0.016624	±2.5	PASS
Band14	BPSK	23330	NV	30	-6	-0.007673	±2.5	PASS
Band14	BPSK	23330	NV	40	-9.1	-0.011637	±2.5	PASS
Band14	BPSK	23330	NV	50	22.1	0.028261	±2.5	PASS

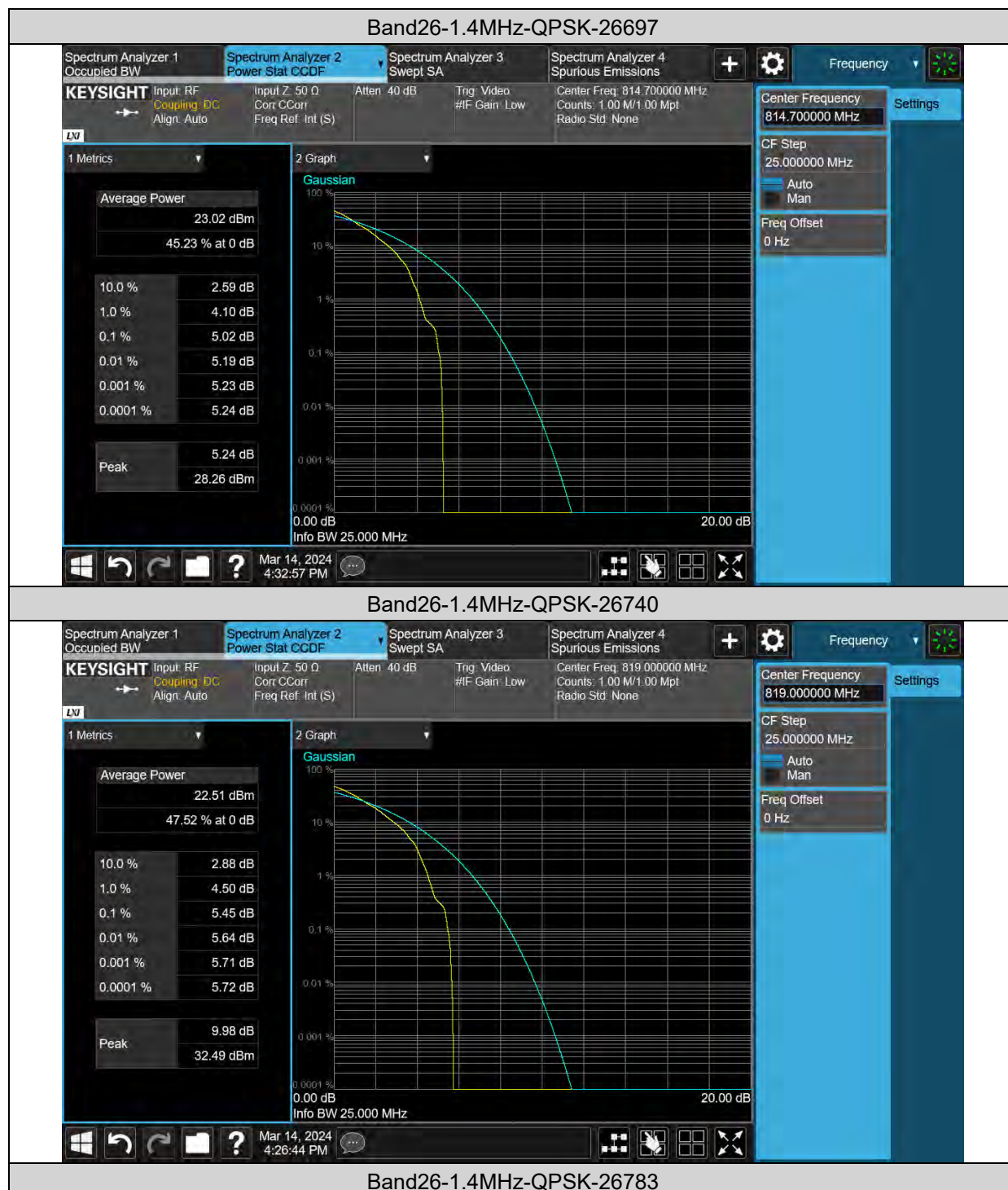
CAT-M: LTE BAND26

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	QPSK	26697	5.02	13	PASS
Band26	1.4MHz	QPSK	26740	5.45	13	PASS
Band26	1.4MHz	QPSK	26783	5.01	13	PASS
Band26	1.4MHz	16QAM	26697	4.97	13	PASS
Band26	1.4MHz	16QAM	26740	6.26	13	PASS
Band26	1.4MHz	16QAM	26783	6.59	13	PASS
Band26	3MHz	QPSK	26705	5.00	13	PASS
Band26	3MHz	QPSK	26740	5.01	13	PASS
Band26	3MHz	QPSK	26775	4.87	13	PASS
Band26	3MHz	16QAM	26705	6.25	13	PASS
Band26	3MHz	16QAM	26740	6.15	13	PASS
Band26	3MHz	16QAM	26775	6.60	13	PASS
Band26	5MHz	QPSK	26715	6.26	13	PASS
Band26	5MHz	QPSK	26740	5.82	13	PASS
Band26	5MHz	QPSK	26765	6.32	13	PASS
Band26	5MHz	16QAM	26715	5.94	13	PASS
Band26	5MHz	16QAM	26740	5.28	13	PASS
Band26	5MHz	16QAM	26765	6.07	13	PASS
Band26	10MHz	QPSK	26740	7.24	13	PASS
Band26	10MHz	16QAM	26740	6.76	13	PASS

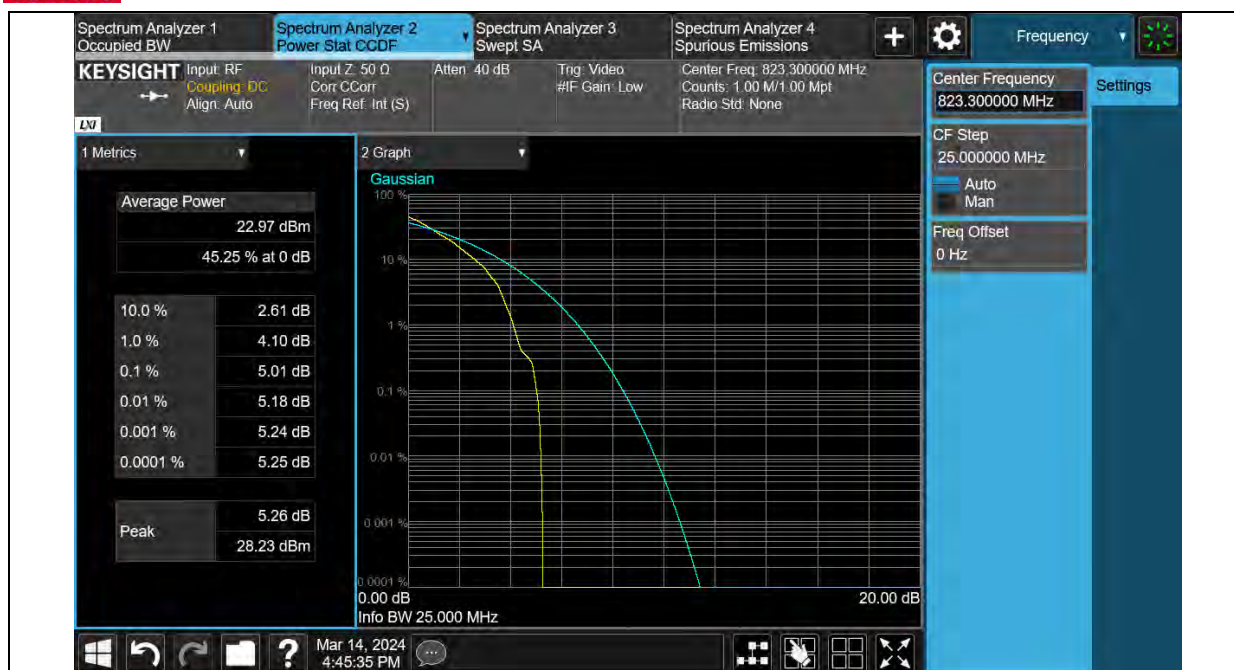
est Graphs



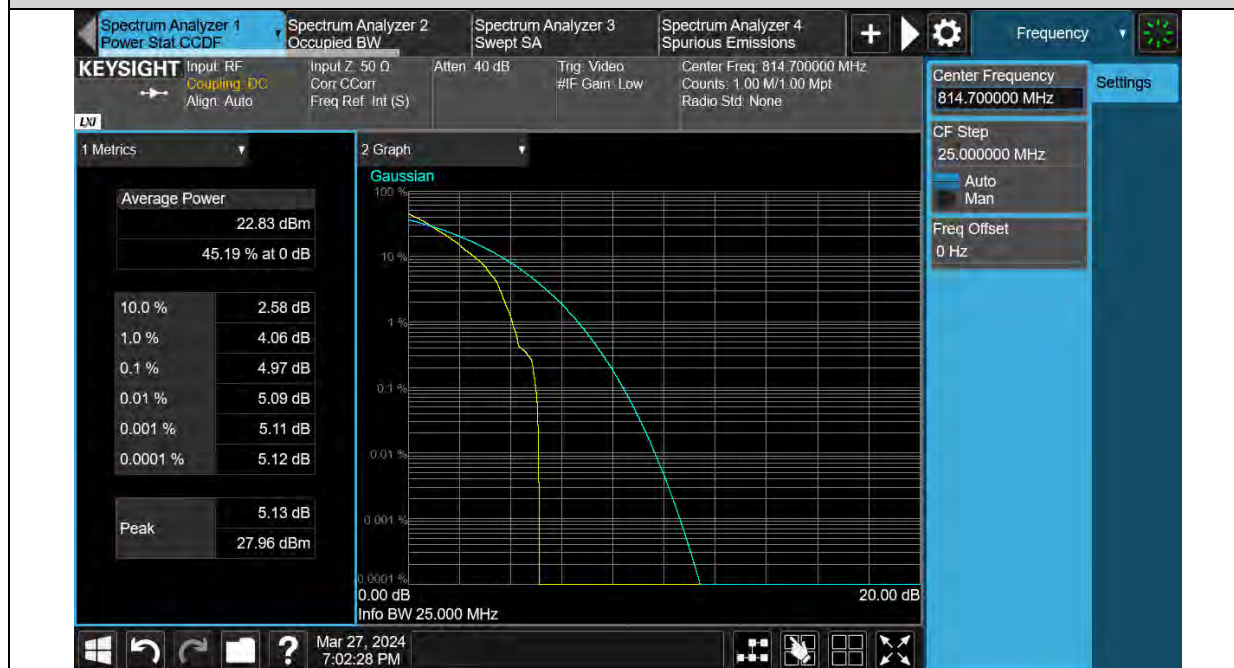


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VERITAS

Test Report No.: W7L-240204W001RF05



Band26-1.4MHz-16QAM-26697

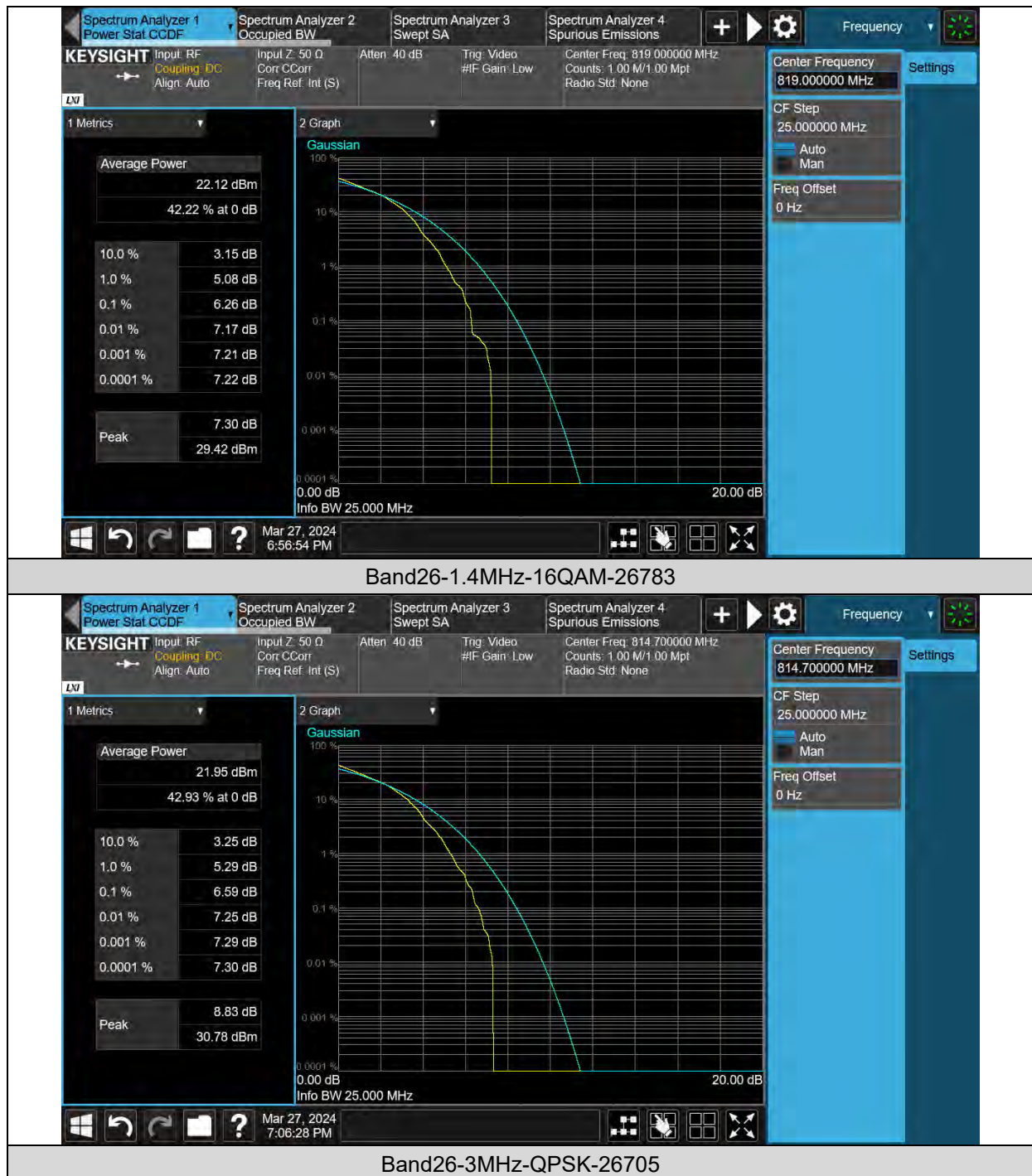


Band26-1.4MHz-16QAM-26740



BUREAU
VERITAS

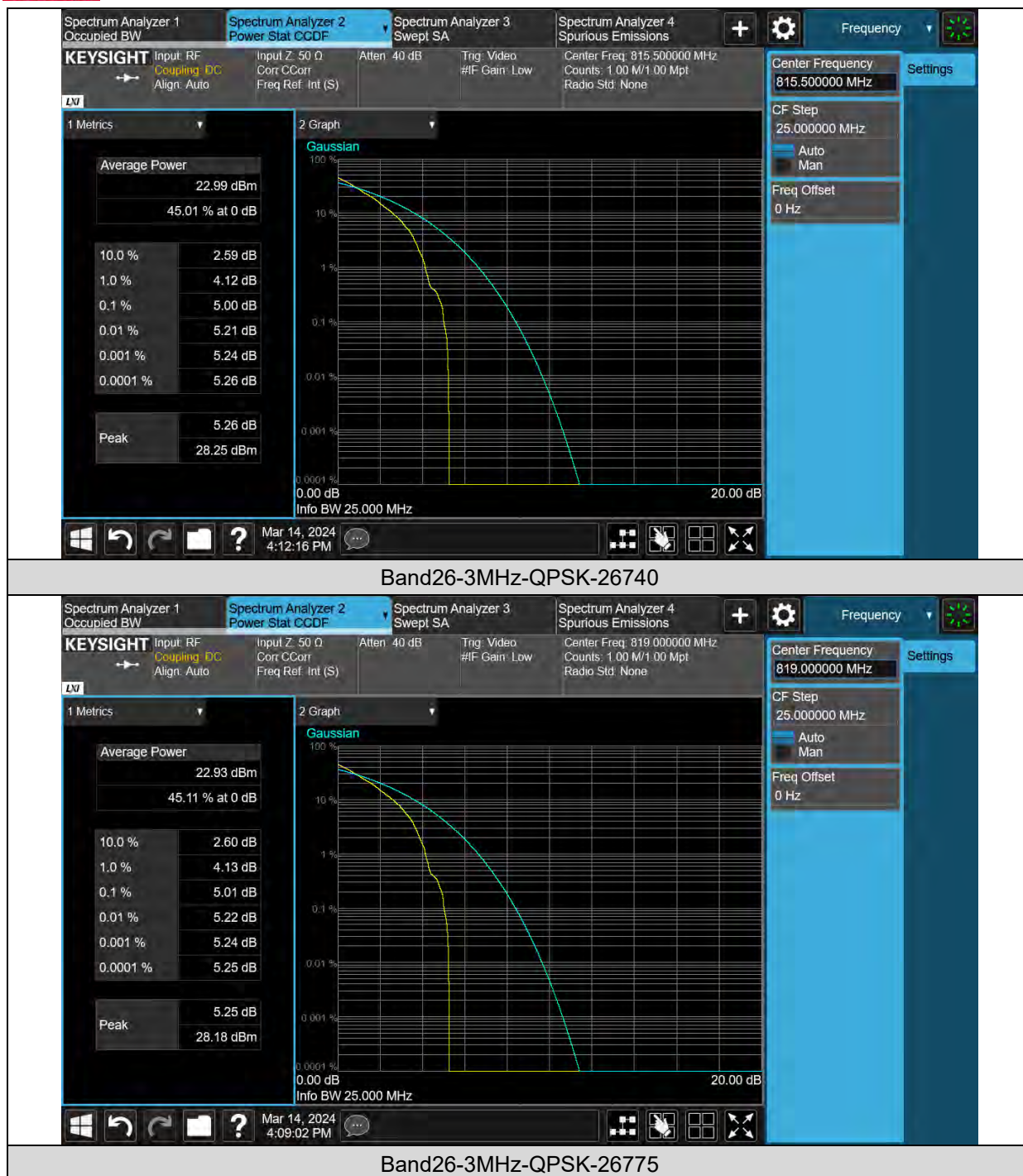
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

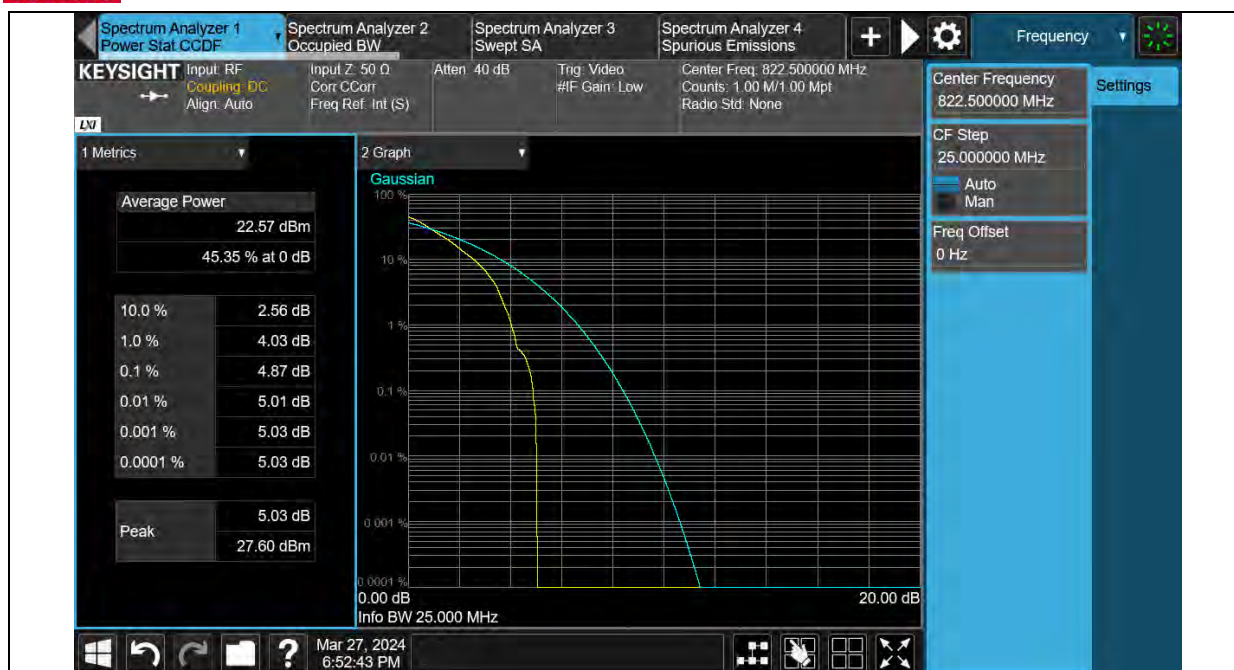
Test Report No.: W7L-240204W001RF05



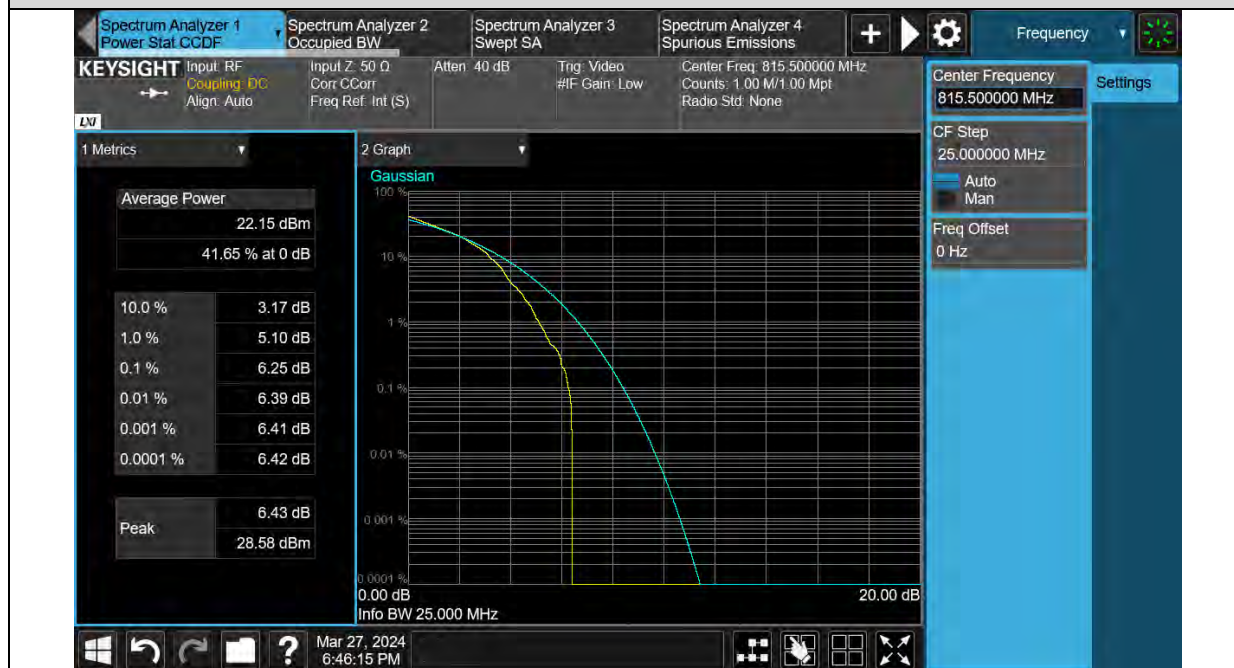


BUREAU
VERITAS

Test Report No.: W7L-240204W001RF05



Band26-3MHz-16QAM-26705

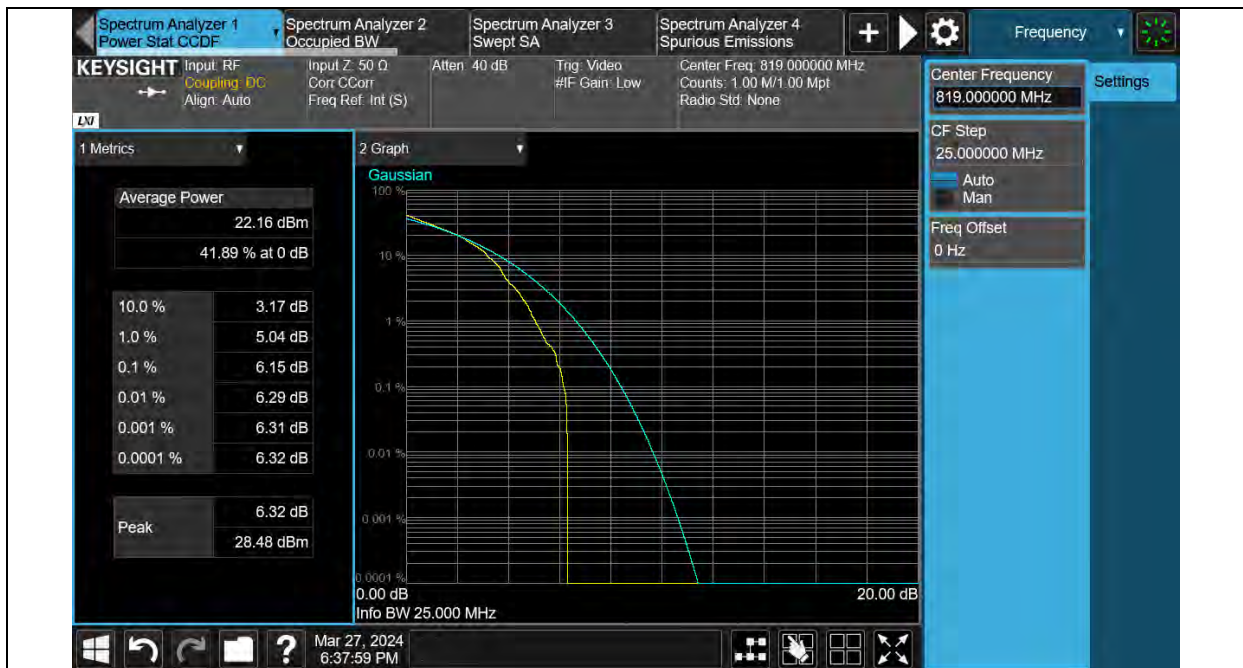


Band26-3MHz-16QAM-26740

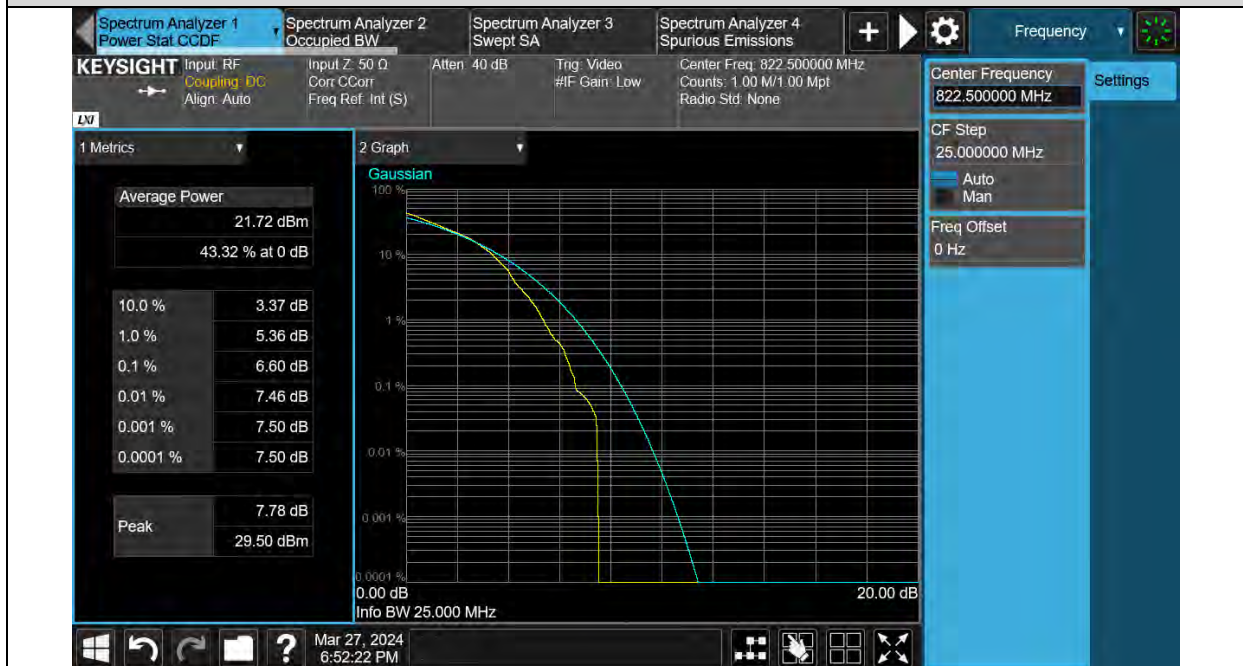


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VERITAS

Test Report No.: W7L-240204W001RF05



Band26-3MHz-16QAM-26775

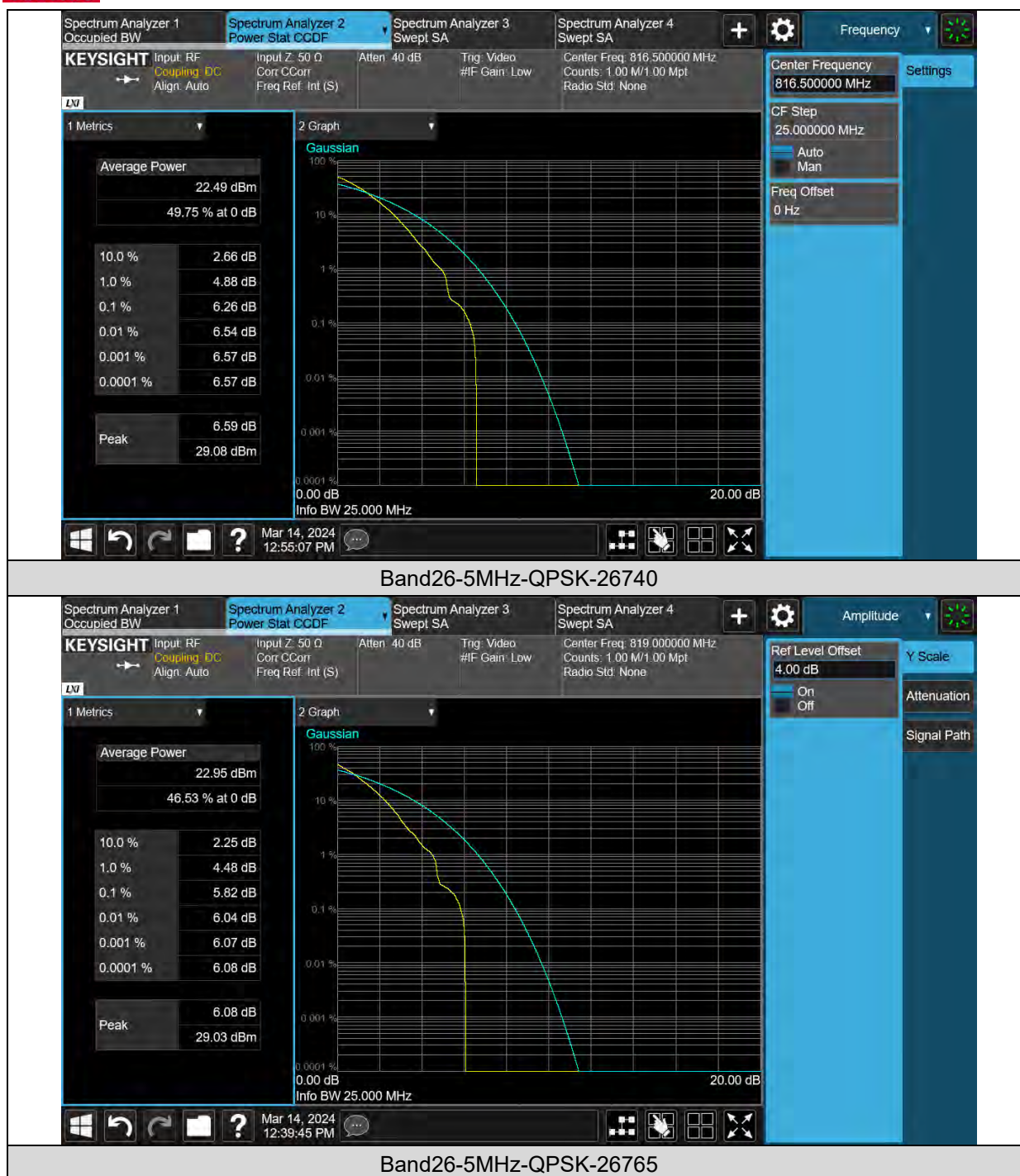


Band26-5MHz-QPSK-26715



BUREAU
VERITAS

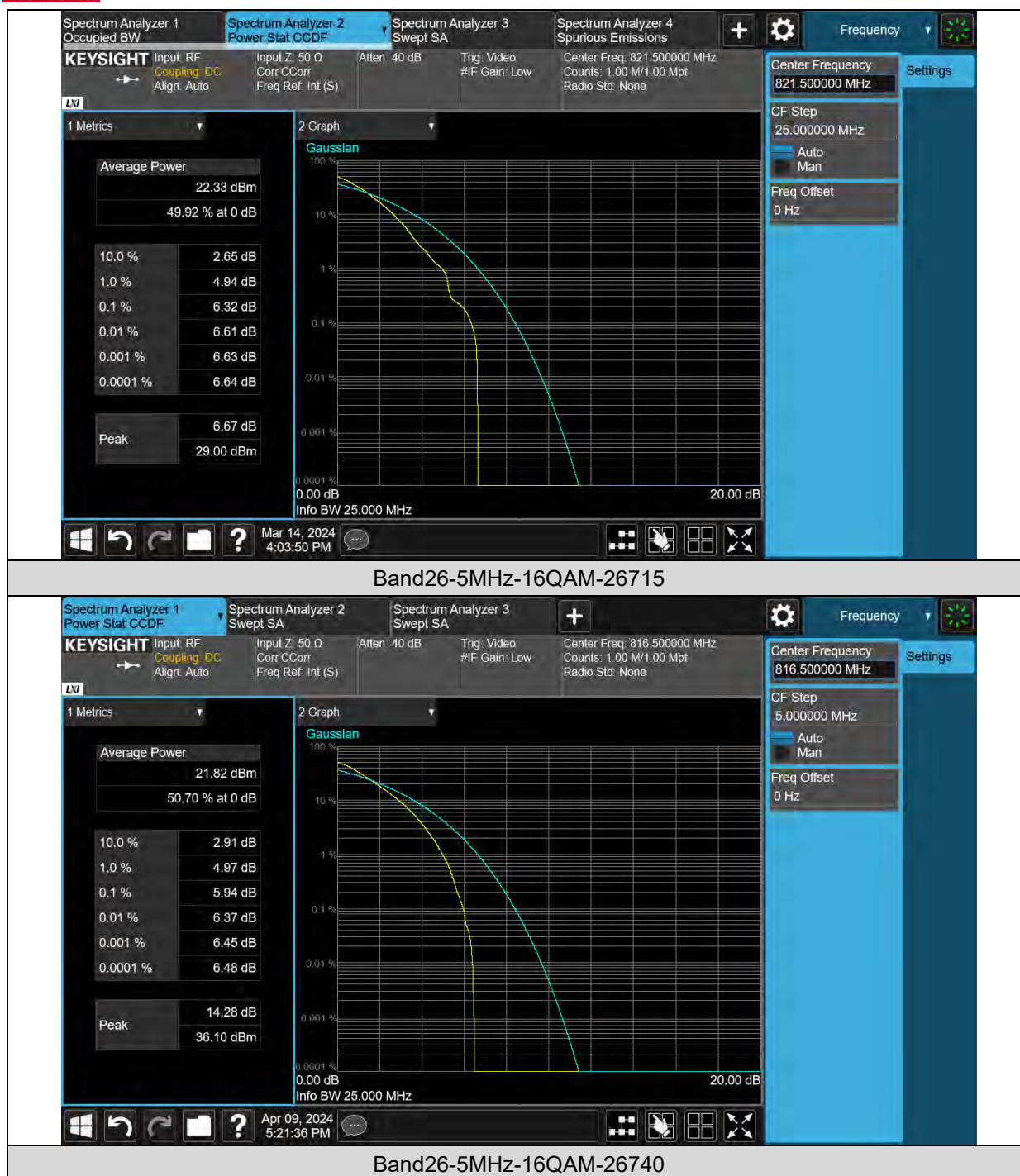
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

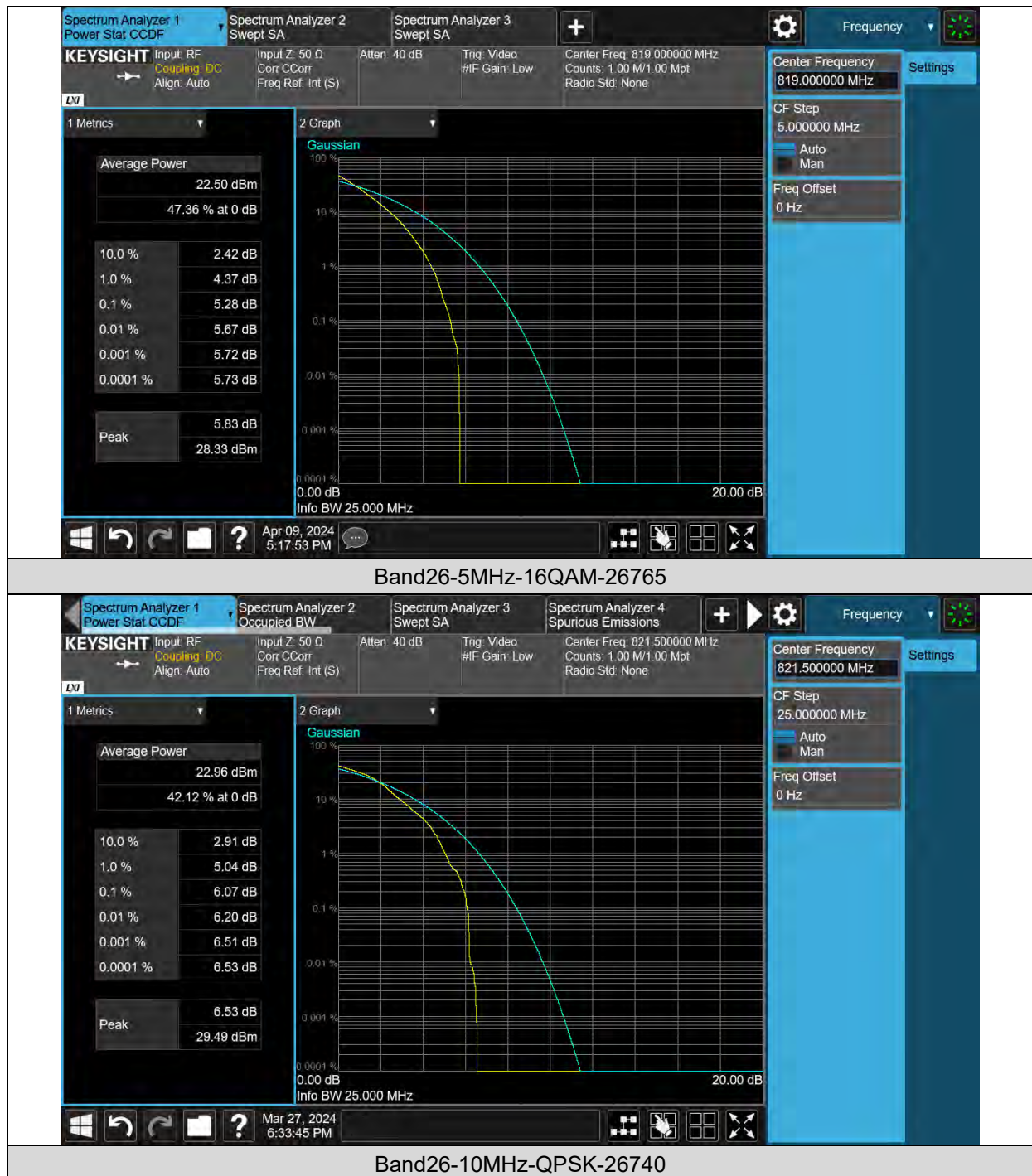
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

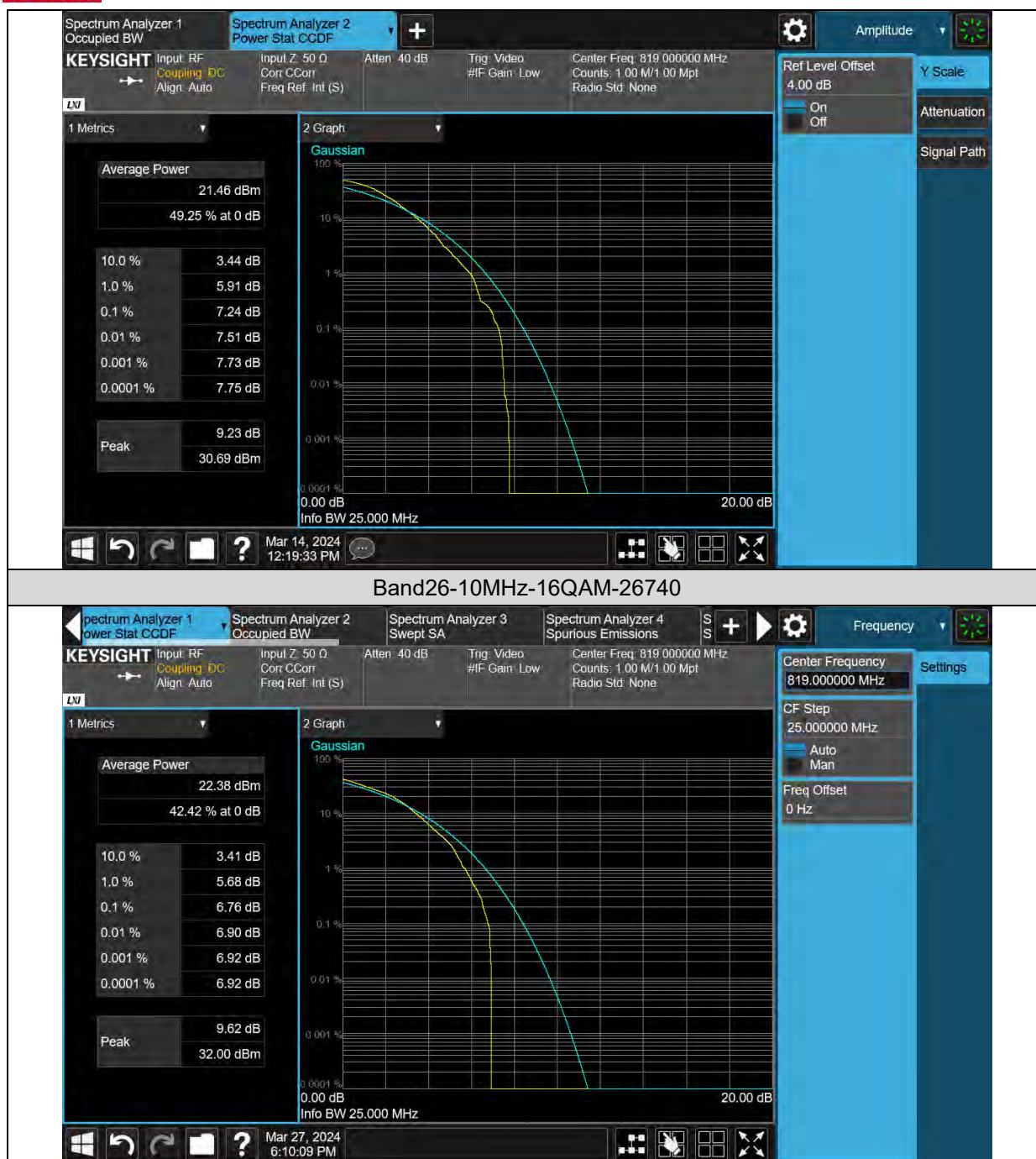
Test Report No.: W7L-240204W001RF05





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VERITAS

Test Report No.: W7L-240204W001RF05



26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.0762	1.256	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.0847	1.254	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.0786	1.233	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.0739	1.265	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.0811	1.283	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.0791	1.245	PASS
Band26	3MHz	QPSK	26705	6RB#0	1.0740	1.251	PASS
Band26	3MHz	QPSK	26740	6RB#0	1.0820	1.268	PASS
Band26	3MHz	QPSK	26775	6RB#0	1.0742	1.271	PASS
Band26	3MHz	16QAM	26705	6RB#0	1.0825	1.256	PASS
Band26	3MHz	16QAM	26740	6RB#0	1.0715	1.268	PASS
Band26	3MHz	16QAM	26775	6RB#0	1.0793	1.248	PASS
Band26	5MHz	QPSK	26715	6RB#0	1.0753	1.264	PASS
Band26	5MHz	QPSK	26740	6RB#0	1.0773	1.266	PASS
Band26	5MHz	QPSK	26765	6RB#0	1.0812	1.268	PASS
Band26	5MHz	16QAM	26715	6RB#0	1.0736	1.254	PASS
Band26	5MHz	16QAM	26740	6RB#0	1.0733	1.285	PASS
Band26	5MHz	16QAM	26765	6RB#0	1.0749	1.258	PASS
Band26	10MHz	QPSK	26740	6RB#0	1.0761	1.264	PASS
Band26	10MHz	16QAM	26740	6RB#0	1.0732	1.278	PASS

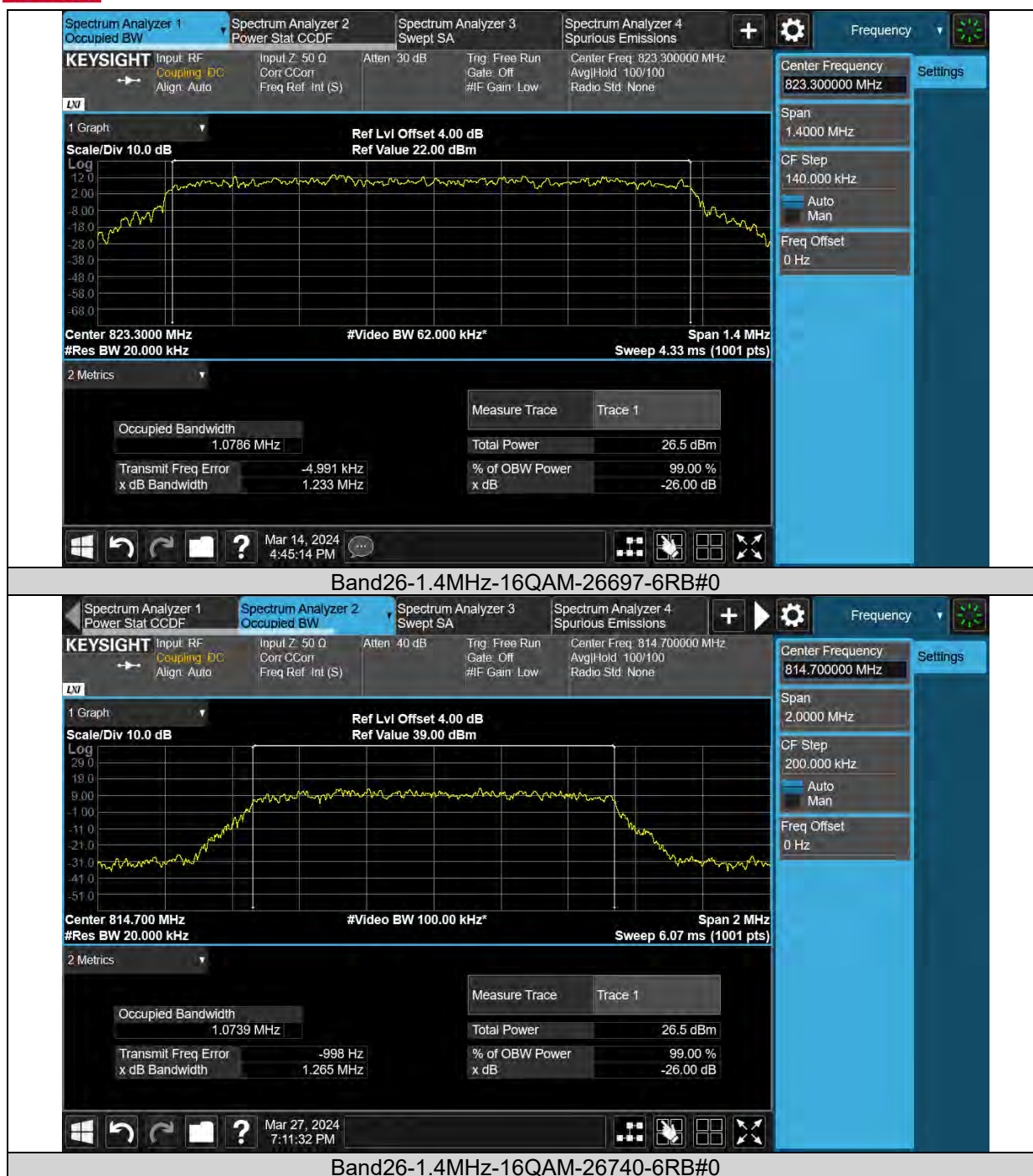
Test Graphs





BUREAU
VERITAS

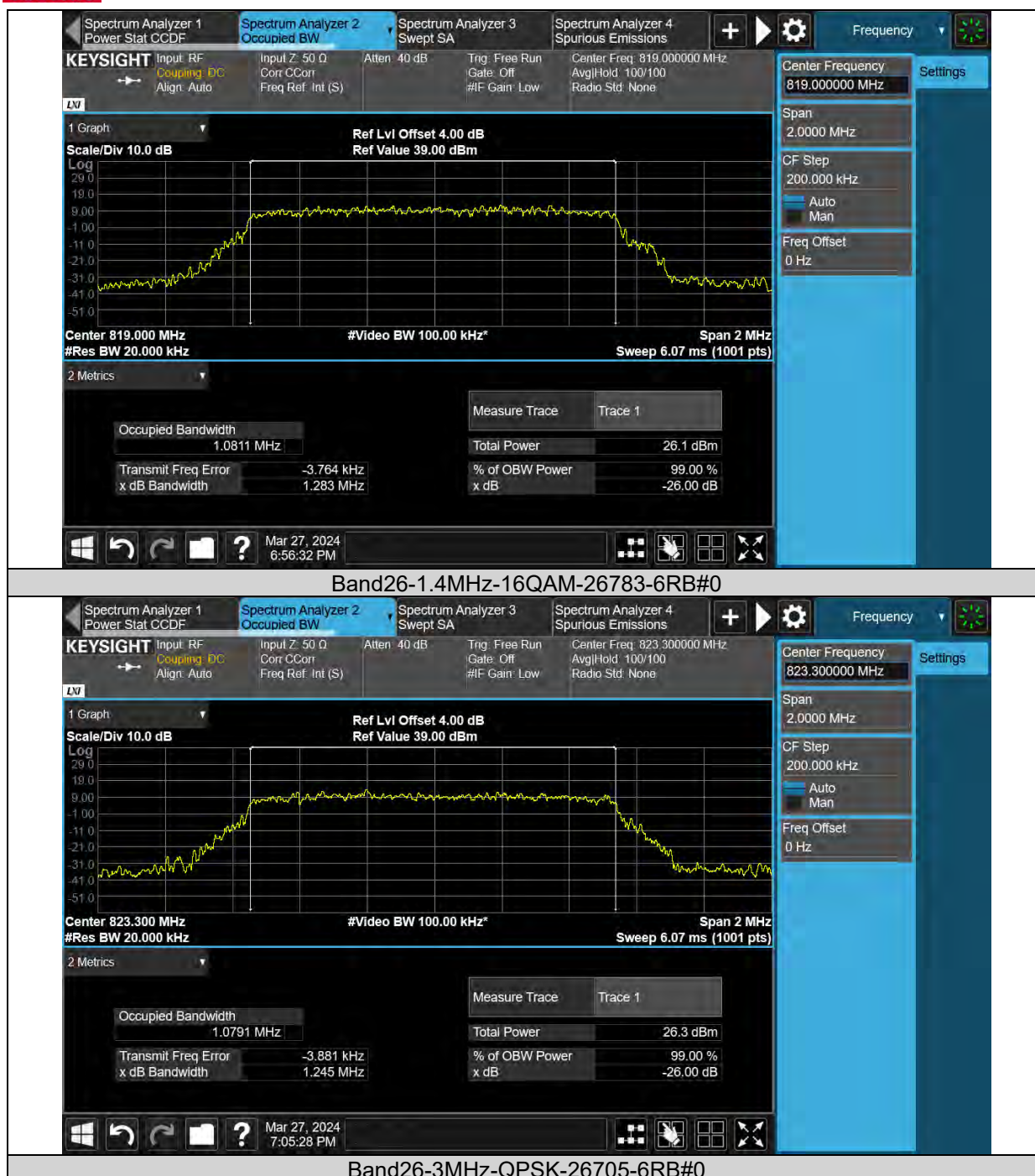
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

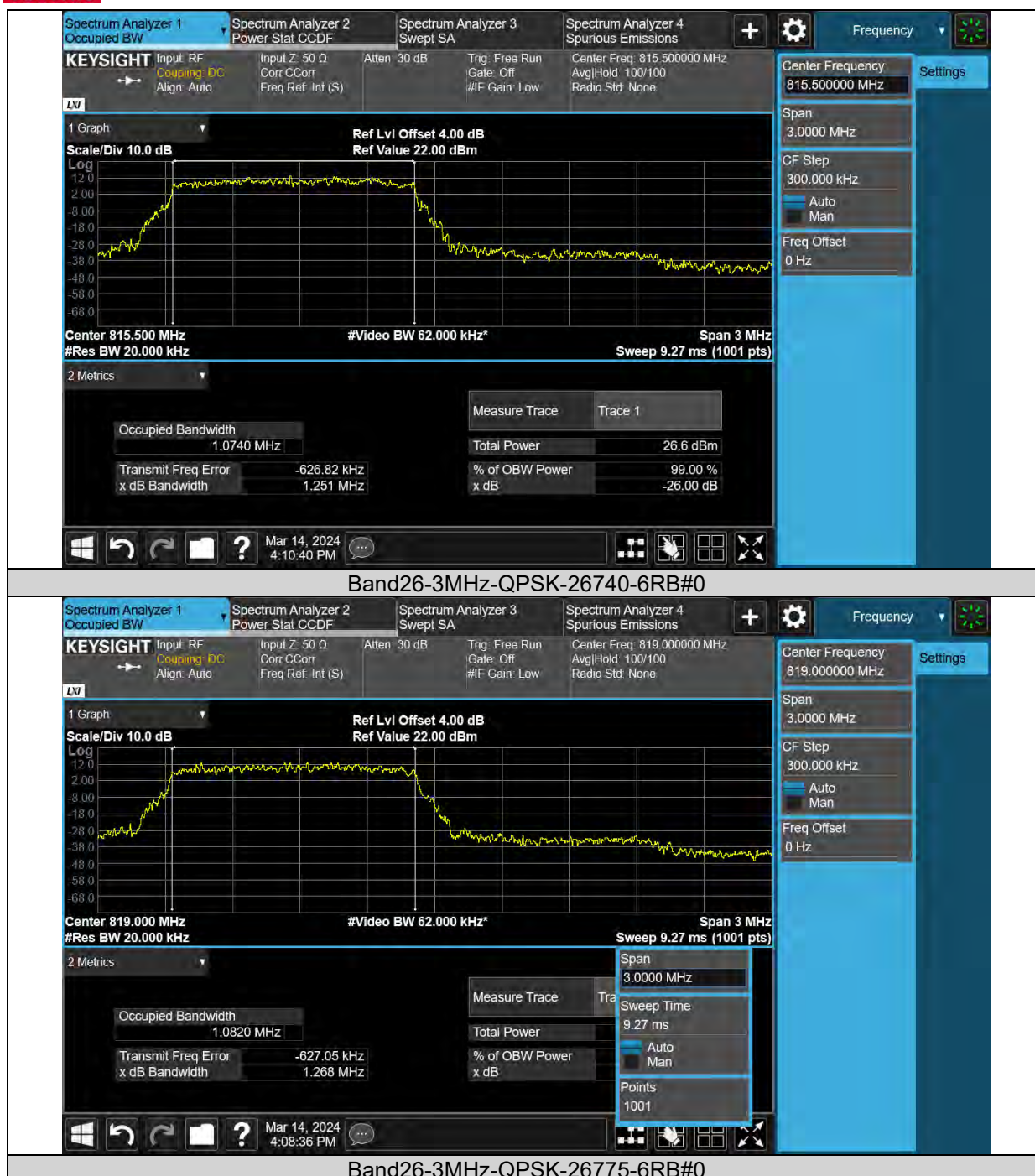
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

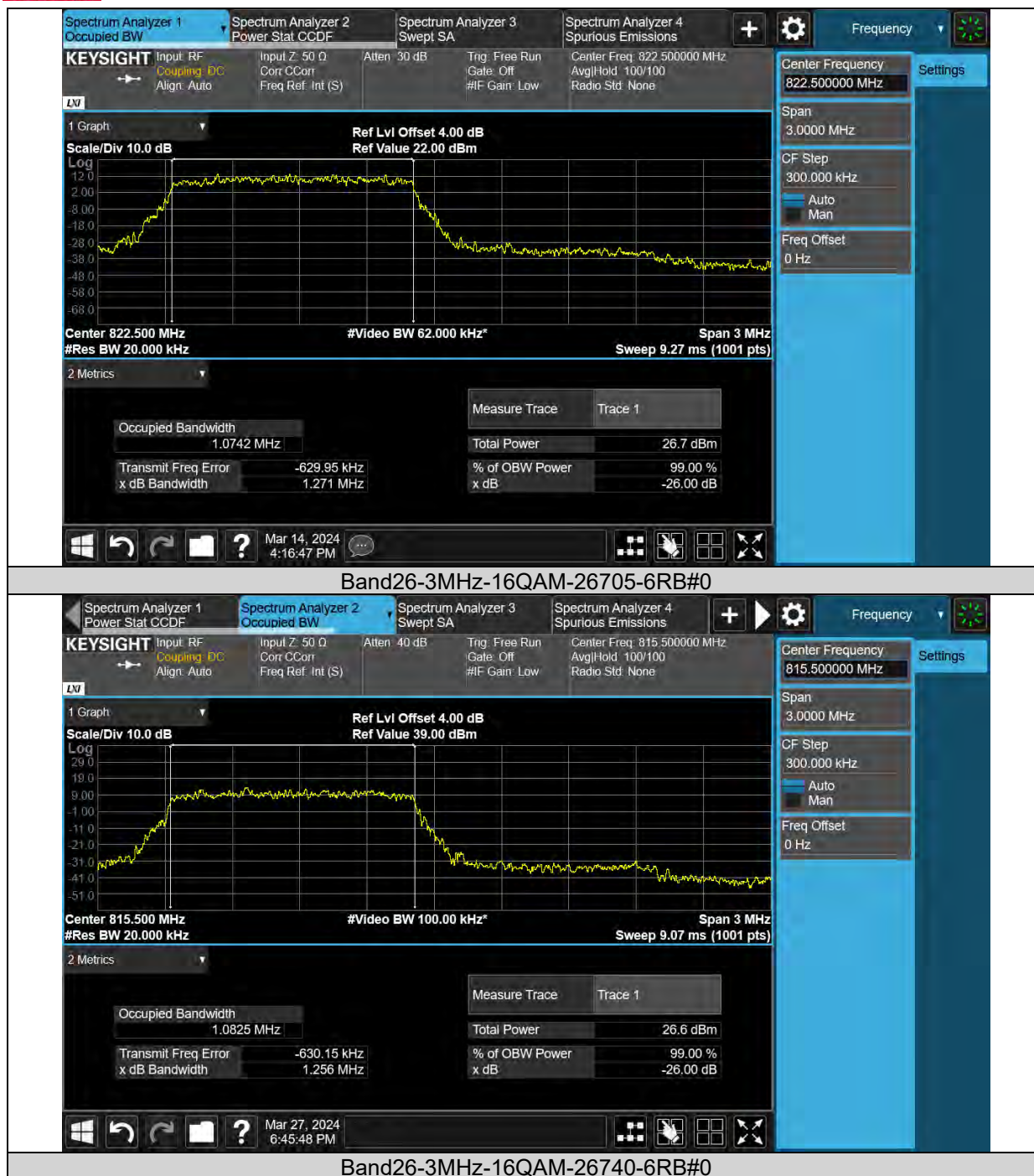
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BUREAU
VERITAS

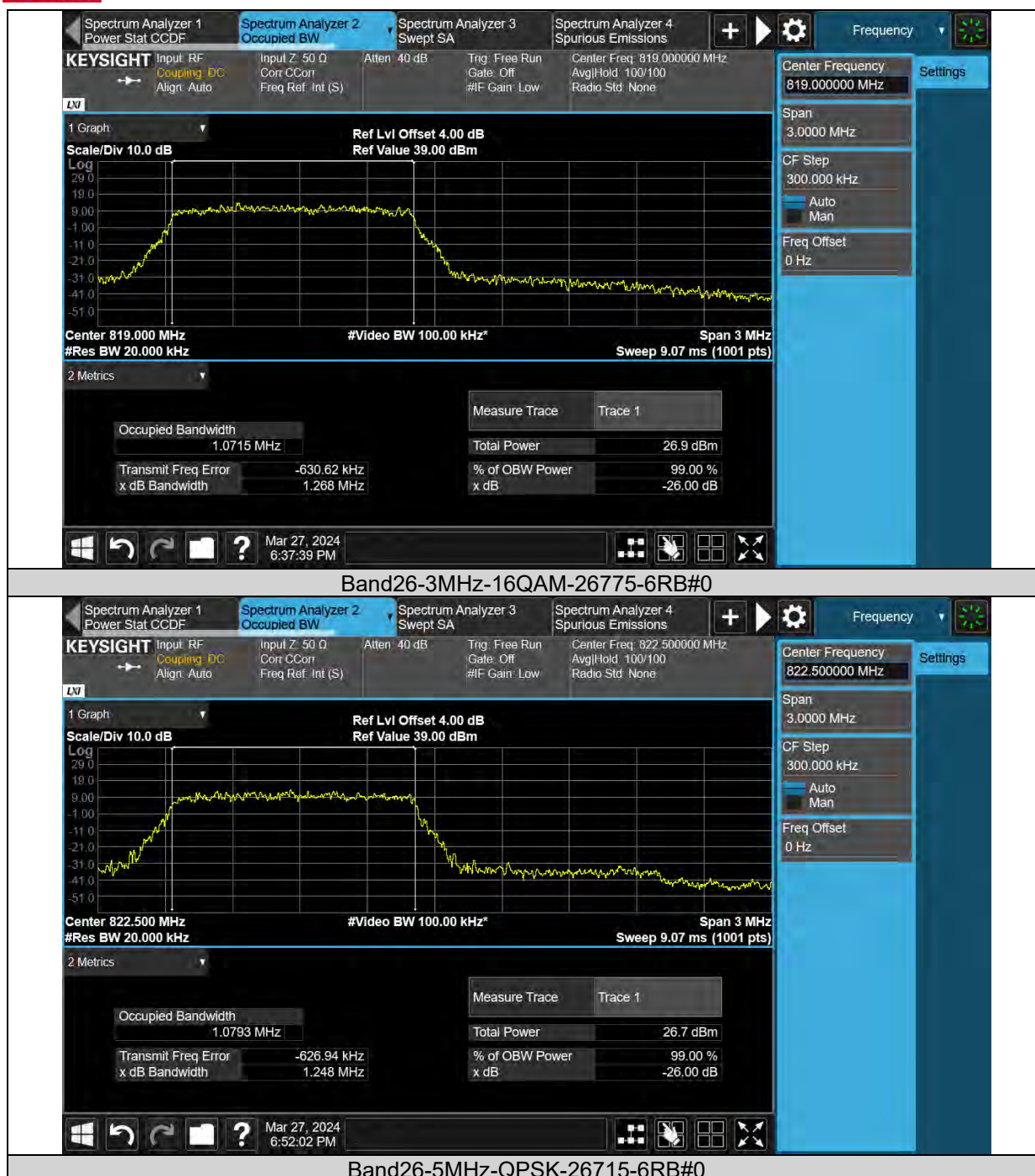
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

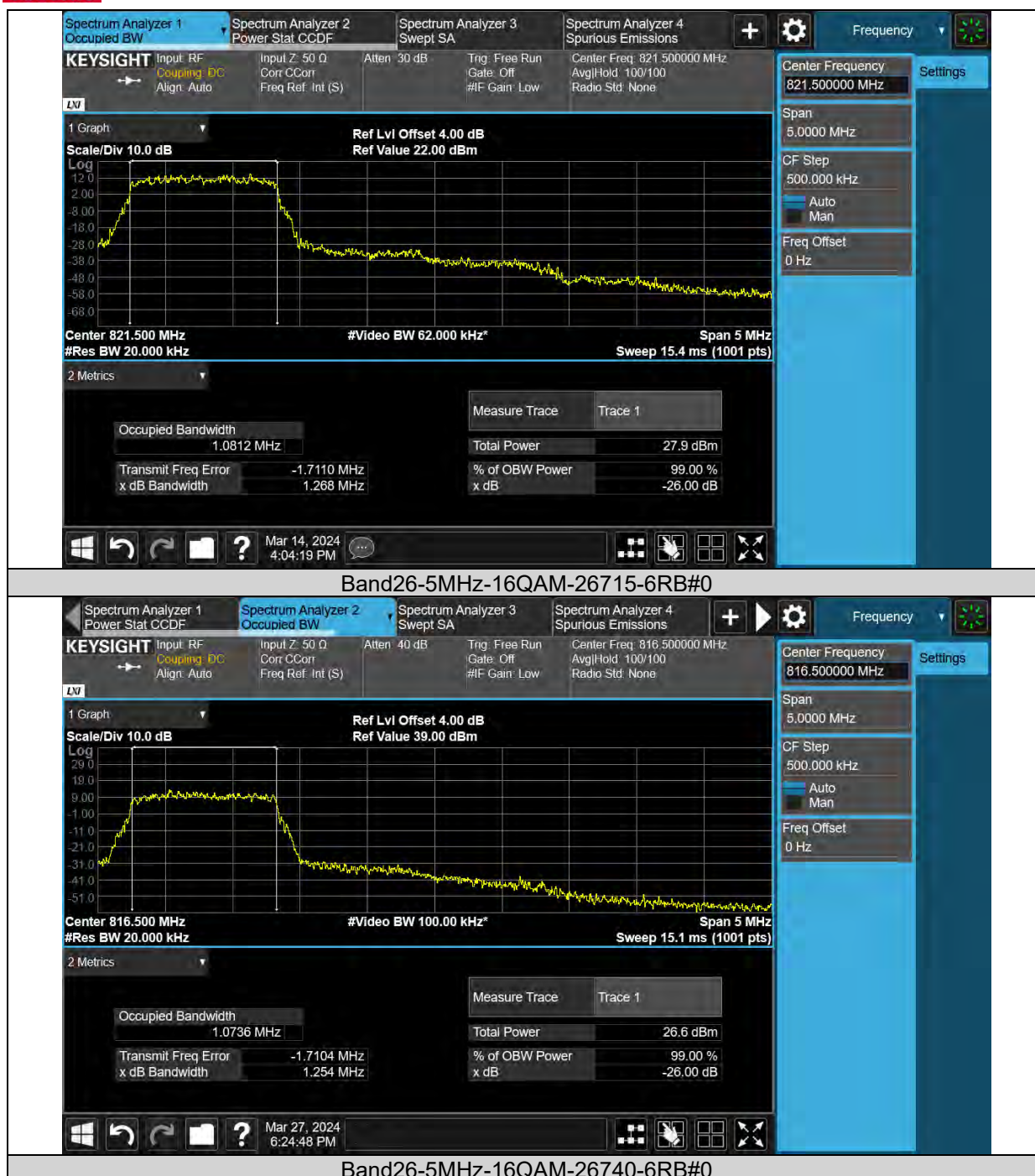
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

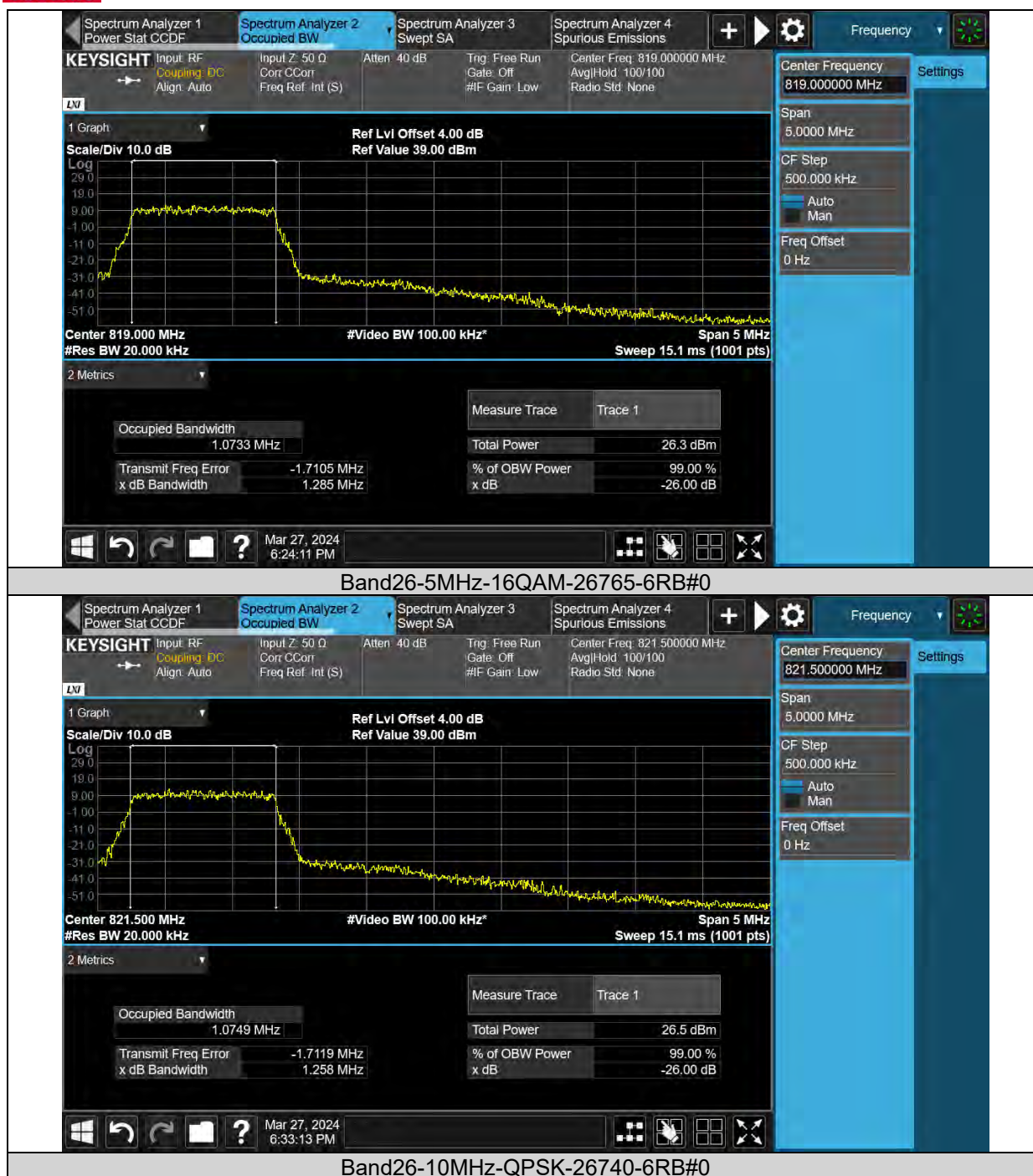
Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF05





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF05

