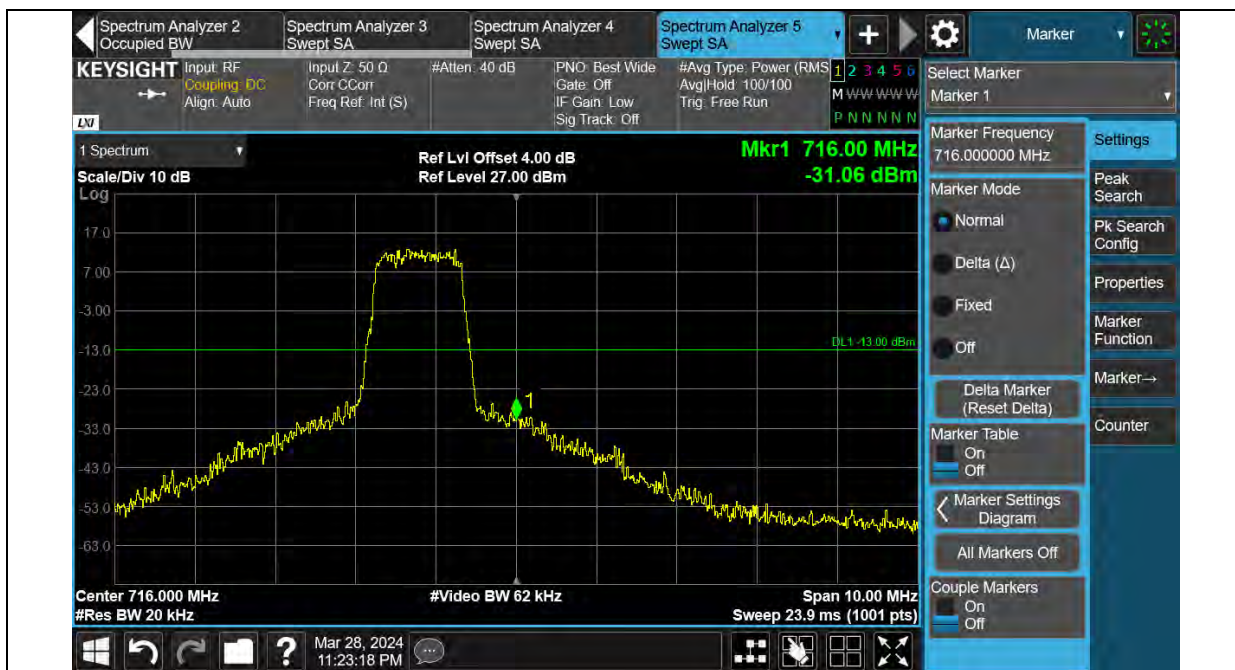


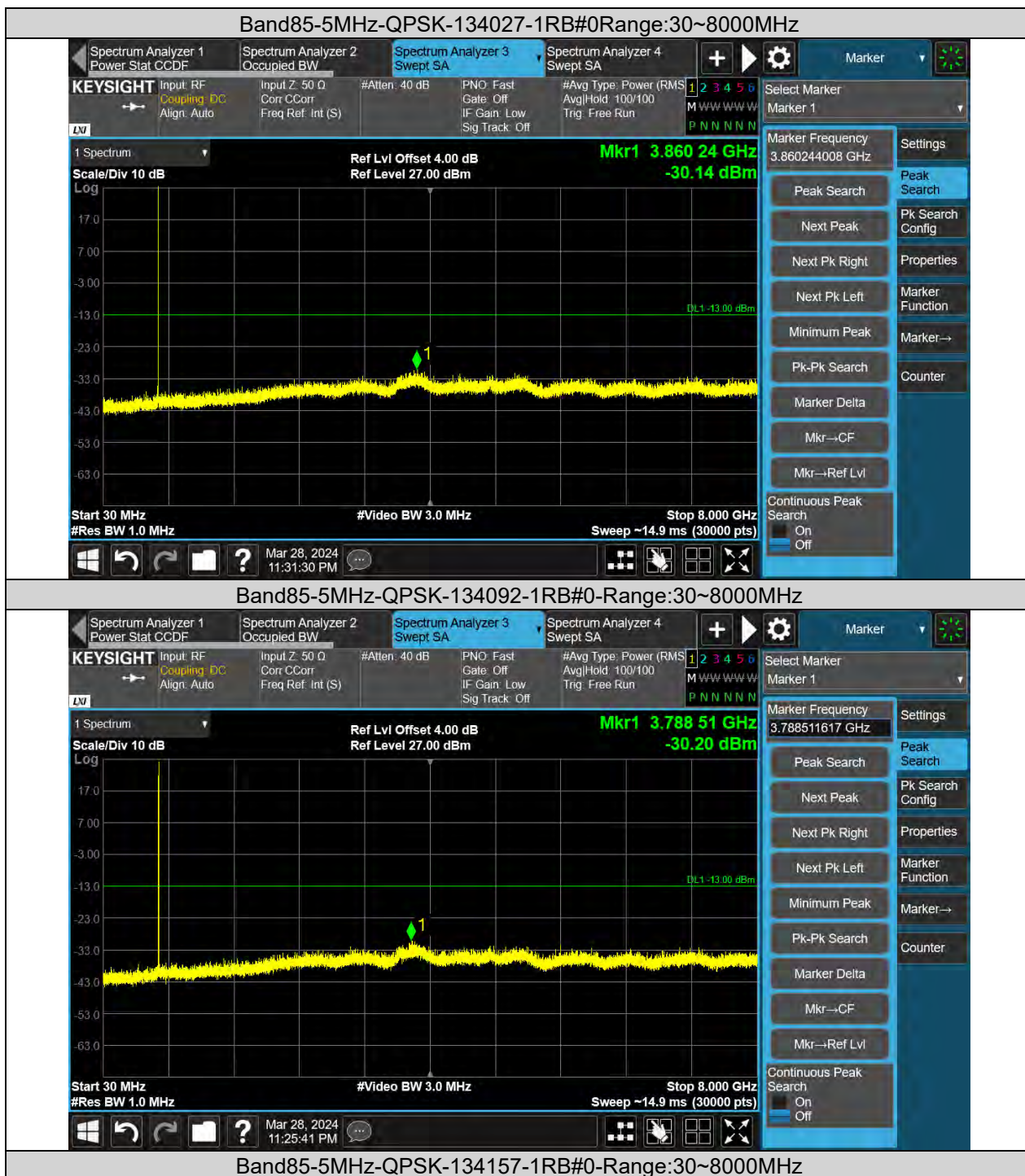


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band85	5MHz	QPSK	134027	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	5MHz	QPSK	134092	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	5MHz	QPSK	134157	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	5MHz	16QAM	134027	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	5MHz	16QAM	134092	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	5MHz	16QAM	134157	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	10MHz	QPSK	134052	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	10MHz	QPSK	133272	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	10MHz	QPSK	134132	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	10MHz	16QAM	134052	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	10MHz	16QAM	133272	1RB#0	Range:30~8000MHz	See Graph	PASS
Band85	10MHz	16QAM	134132	1RB#0	Range:30~8000MHz	See Graph	PASS

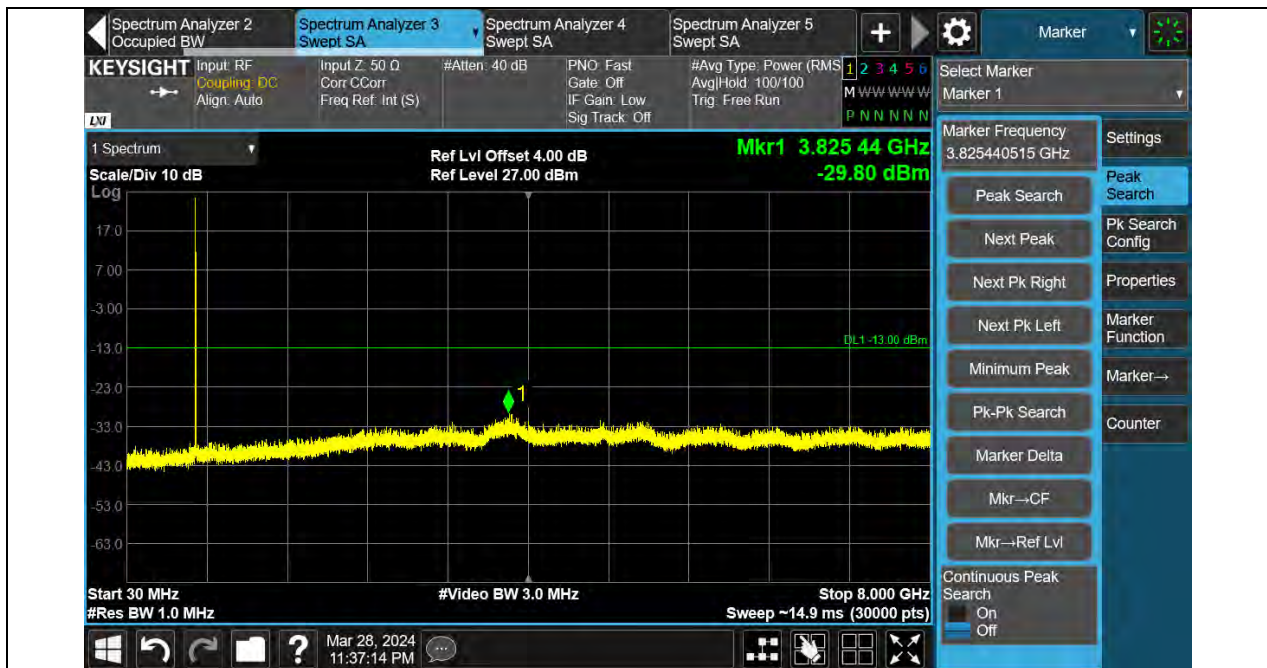
Test Graphs



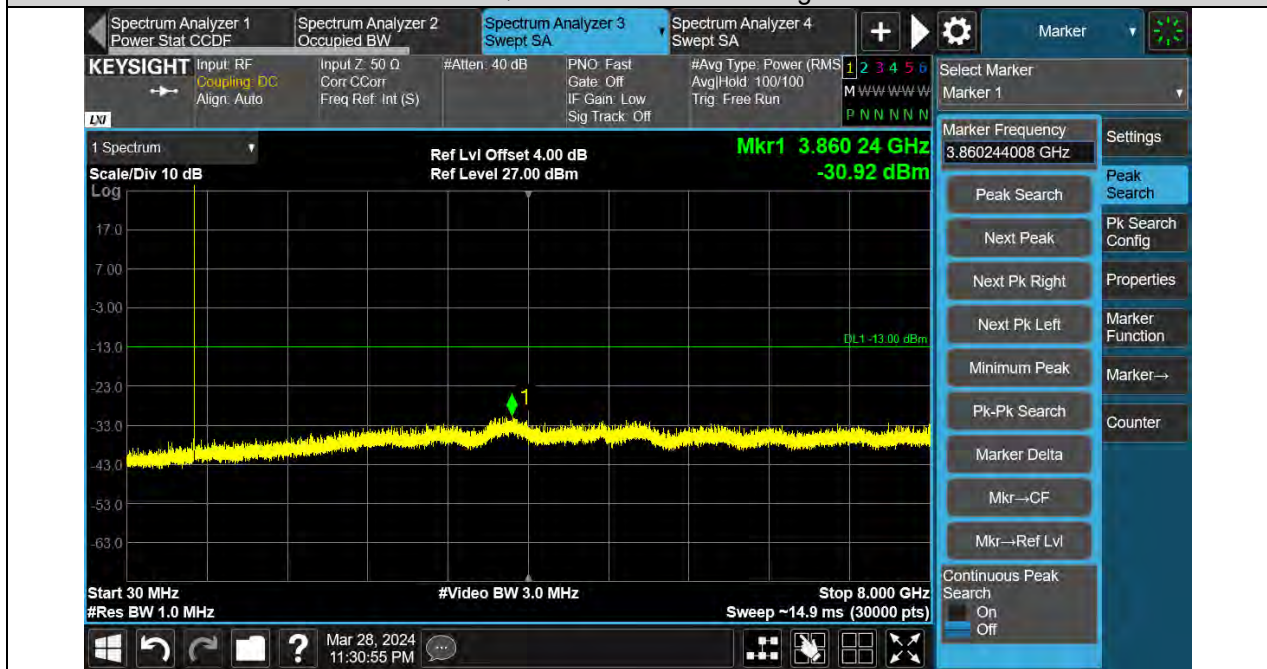


BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03



Band85-5MHz-16QAM-134027-1RB#0-Range:30~8000MHz



Band85-5MHz-16QAM-134092-1RB#0-Range:30~8000MHz

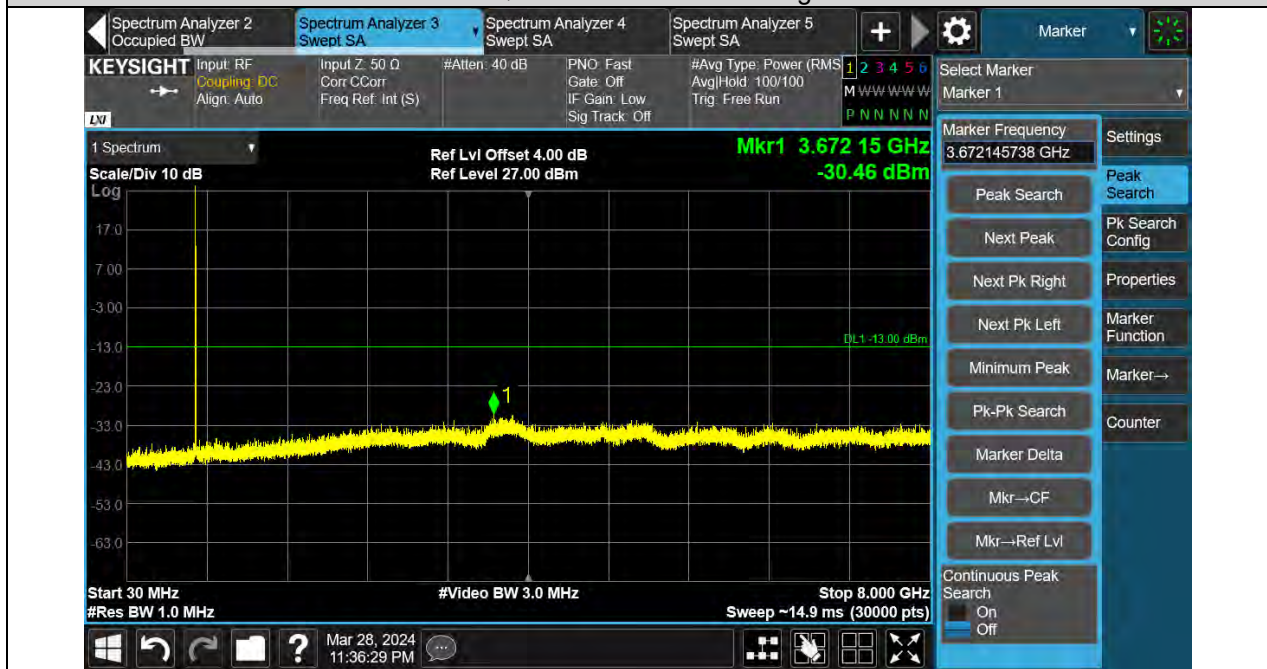


BUREAU
VERITAS

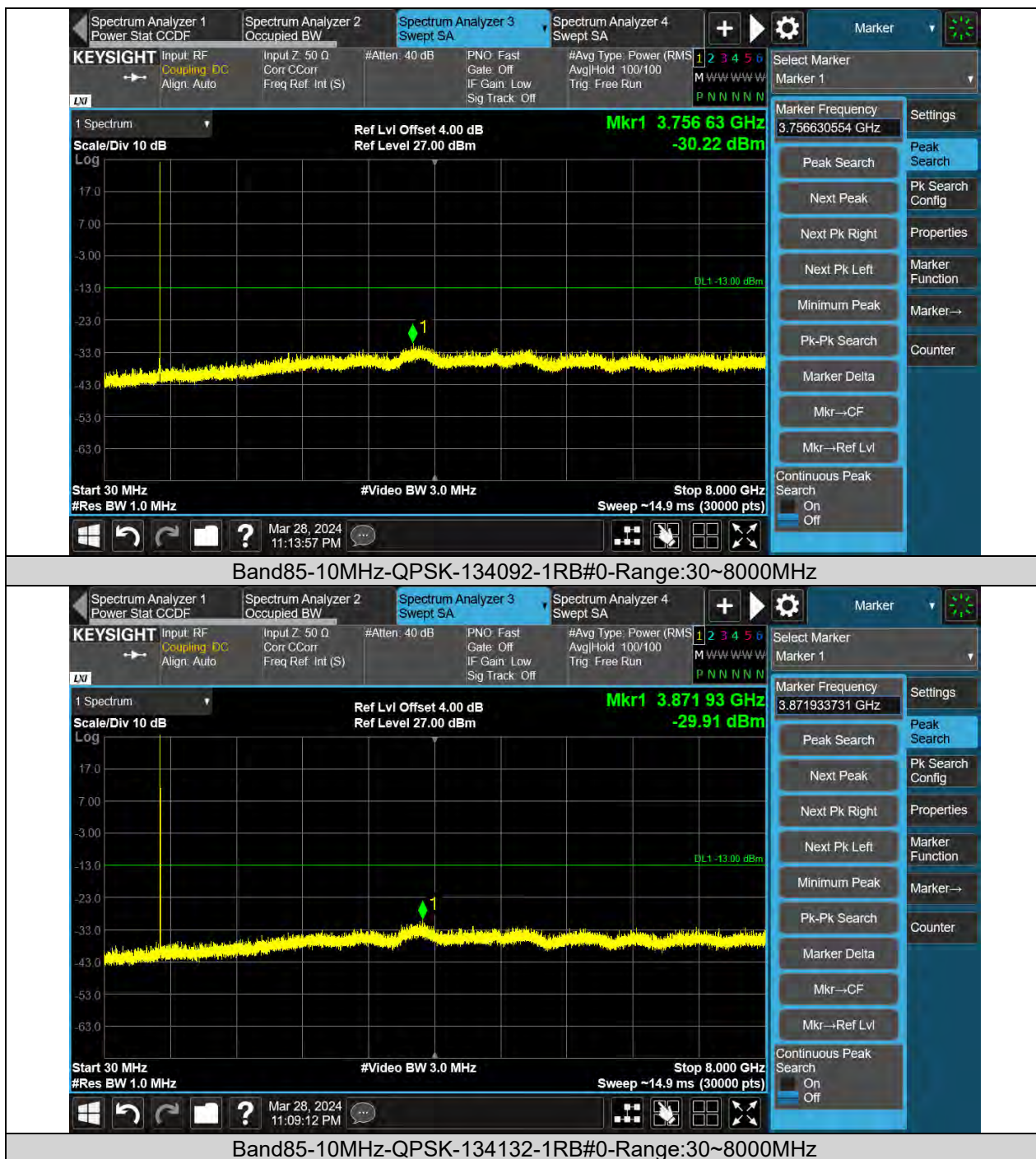
Test Report No.: W7L-240204W001RF03



Band85-5MHz-16QAM-134157-1RB#0-Range:30~8000MHz



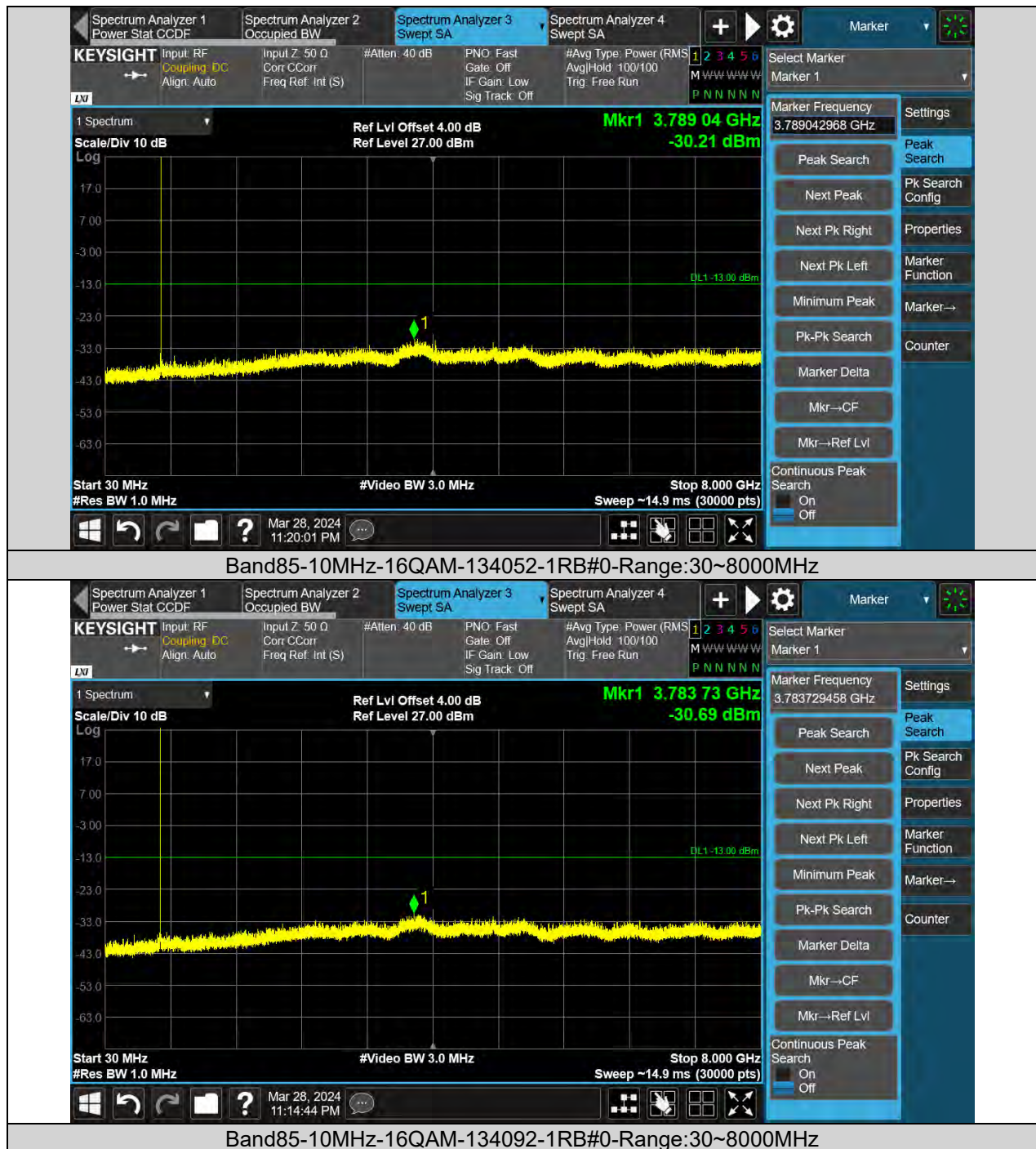
Band85-10MHz-QPSK-134052-1RB#0-Range:30~8000MHz

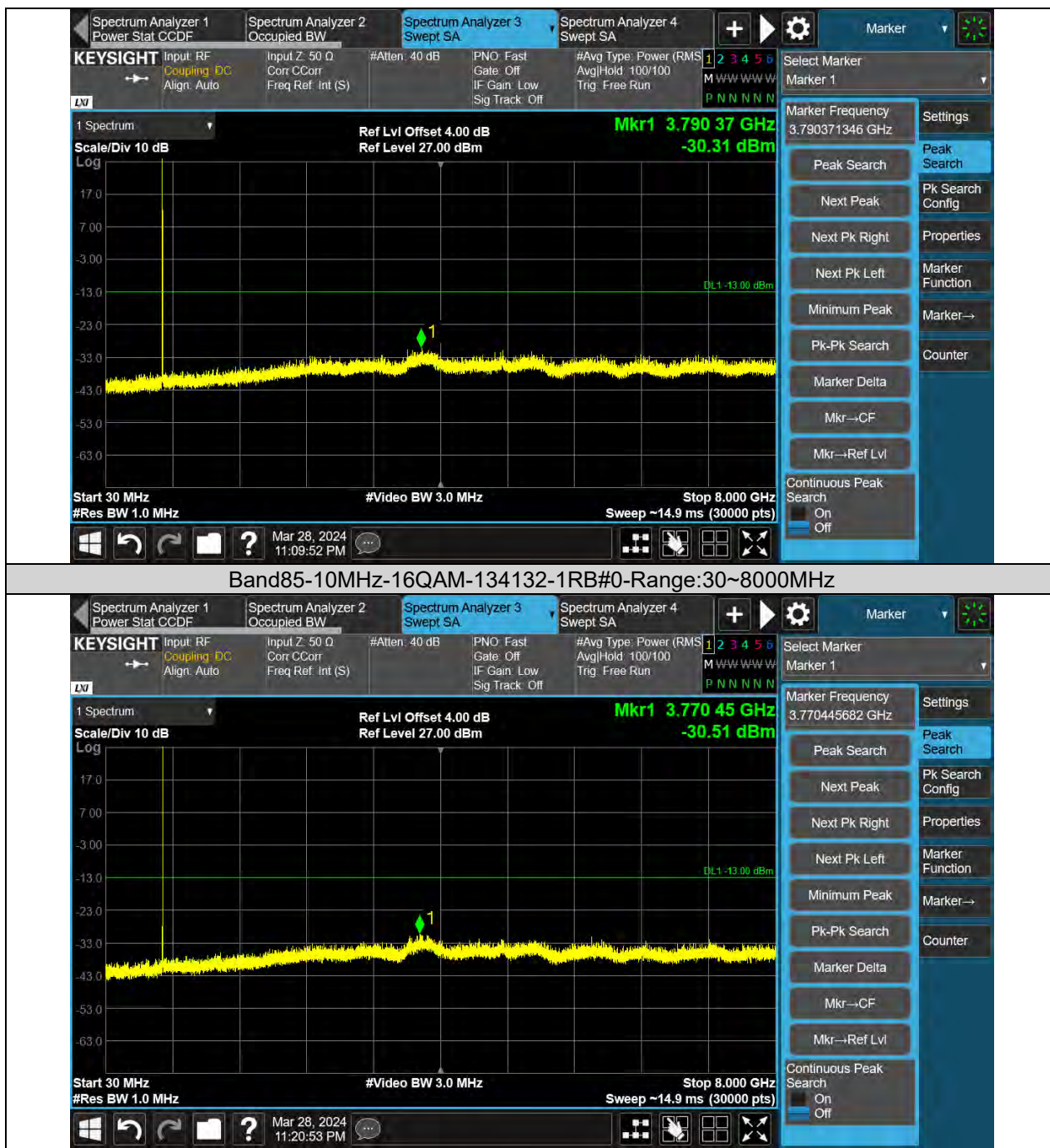




BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03





FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band85	10MHz	QPSK	134052	6RB#0	VL	NT	12.5	0.007267	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	VN	NT	30.8	0.017907	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	VH	NT	1.3	0.000756	±2.5	PASS

**Test Report No.: W7L-240204W001RF03**

Band85	10MHz	QPSK	134092	6RB#0	VL	NT	6	0.003438	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	VN	NT	-18.1	-0.010372	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	VH	NT	2.3	0.001318	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	VL	NT	31	0.017514	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	VN	NT	4.4	0.002486	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	VH	NT	30	0.016949	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	VL	NT	-8.8	-0.005116	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	VN	NT	-16	-0.009302	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	VH	NT	8.8	0.005116	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	VL	NT	-2.6	-0.001490	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	VN	NT	-34.4	-0.019713	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	VH	NT	-13.9	-0.007966	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	VL	NT	-6.9	-0.003898	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	VN	NT	28	0.015819	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	VH	NT	-15.7	-0.008870	±2.5	PASS

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band85	10MHz	QPSK	134052	6RB#0	NV	-30	27.4	0.015930	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	NV	-20	10.3	0.005988	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	NV	-10	4.6	0.002674	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	NV	0	-34.2	-0.019884	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	NV	10	-22	-0.012791	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	NV	20	24.4	0.014186	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	NV	30	29.9	0.017384	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	NV	40	-15.1	-0.008779	±2.5	PASS
Band85	10MHz	QPSK	134052	6RB#0	NV	50	15	0.008721	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	-30	10	0.005731	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	-20	26.3	0.015072	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	-10	26.1	0.014957	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	0	-28.2	-0.016160	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	10	20.6	0.011805	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	20	-11.3	-0.006476	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	30	25.8	0.014785	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	40	14.6	0.008367	±2.5	PASS
Band85	10MHz	QPSK	134092	6RB#0	NV	50	-8.5	-0.004871	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	-30	-2.4	-0.001356	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	-20	31.7	0.017910	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	-10	-31.1	-0.017571	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	0	5	0.002825	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	10	16.8	0.009492	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	20	24.8	0.014011	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	30	-10.8	-0.006102	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	40	-26.5	-0.014972	±2.5	PASS
Band85	10MHz	QPSK	134132	6RB#0	NV	50	30.9	0.017458	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	NV	-30	-14.4	-0.008372	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	NV	-20	-3.8	-0.002209	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	NV	-10	13.5	0.007849	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	NV	0	5.9	0.003430	±2.5	PASS

Band85	10MHz	16QAM	134052	6RB#0	NV	10	21.4	0.012442	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	NV	20	-20.3	-0.011802	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	NV	30	7.7	0.004477	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	NV	40	-5.3	-0.003081	±2.5	PASS
Band85	10MHz	16QAM	134052	6RB#0	NV	50	12.9	0.007500	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	-30	-17.3	-0.009914	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	-20	-33.5	-0.019198	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	-10	-19.2	-0.011003	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	0	0.7	0.000401	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	10	-31.3	-0.017937	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	20	28.5	0.016332	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	30	21.5	0.012321	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	40	-18.5	-0.010602	±2.5	PASS
Band85	10MHz	16QAM	134092	6RB#0	NV	50	26.1	0.014957	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	-30	33.5	0.018927	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	-20	2.8	0.001582	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	-10	20.5	0.011582	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	0	7.3	0.004124	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	10	18.4	0.010395	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	20	7	0.003955	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	30	-9.1	-0.005141	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	40	28.5	0.016102	±2.5	PASS
Band85	10MHz	16QAM	134132	6RB#0	NV	50	20.7	0.011695	±2.5	PASS

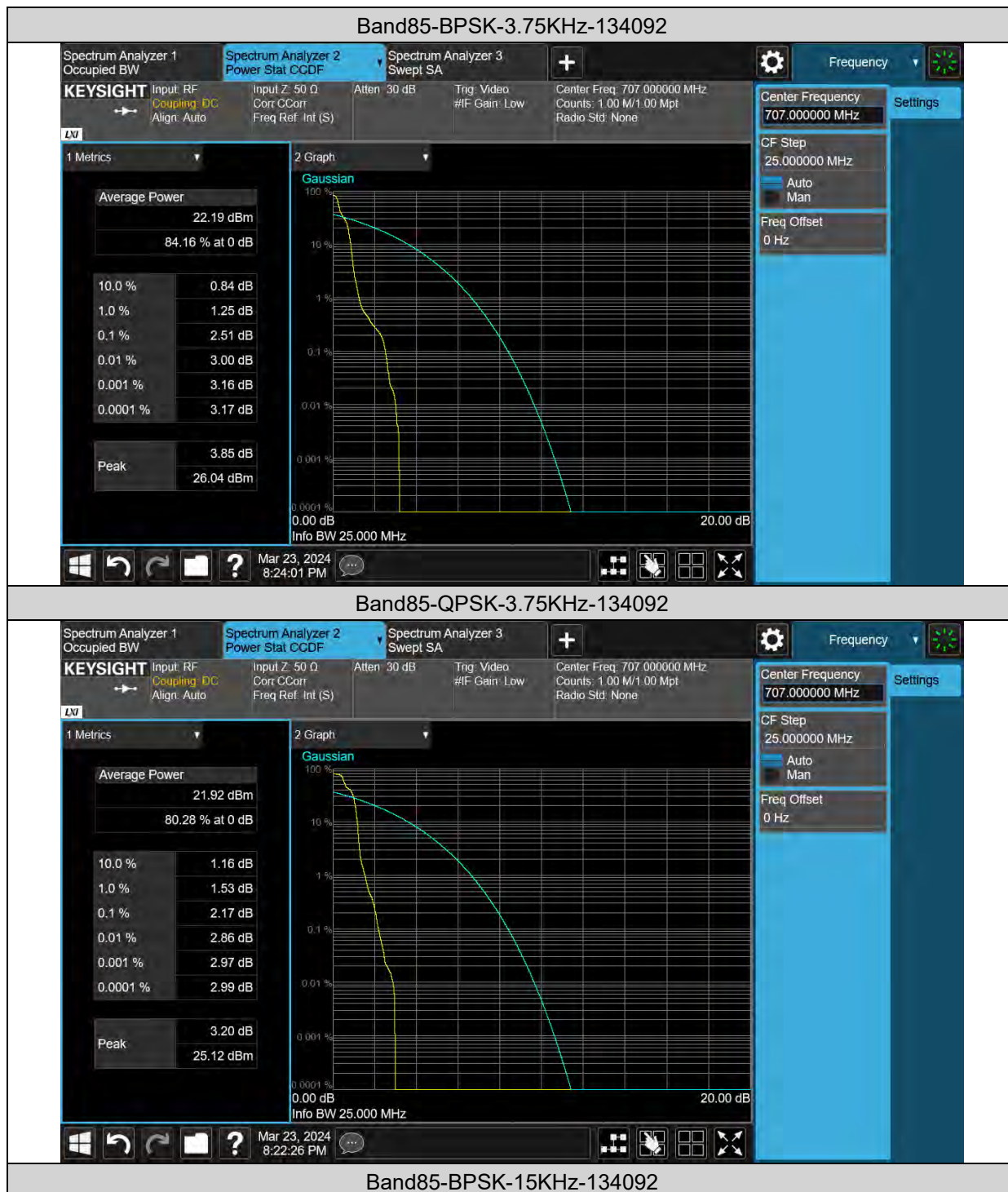
NB-IOT: LTE BAND85

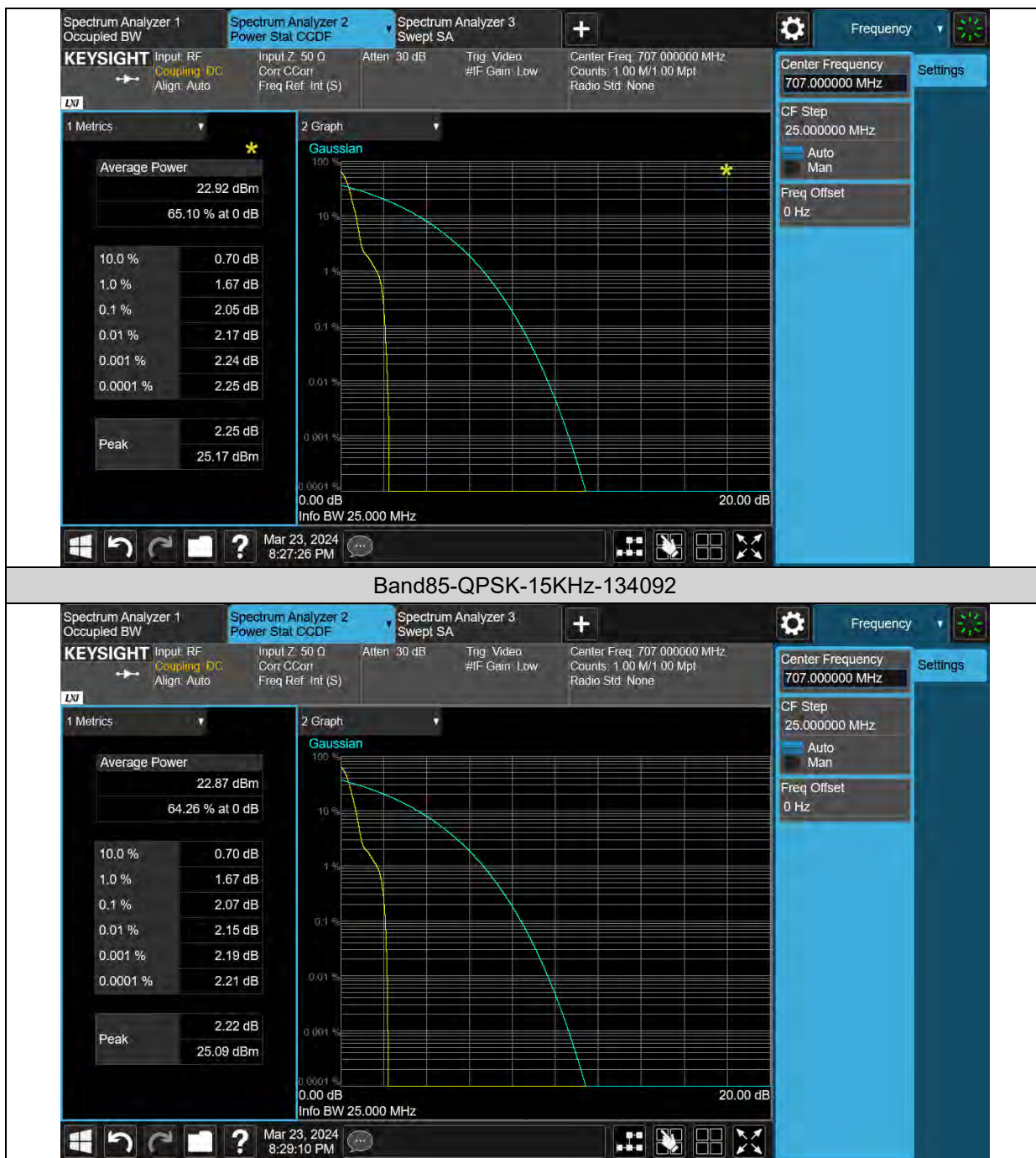
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channe	Result(dB)	Limit(dB)	Verdict
Band85	BPSK	3.75	134092	2.51	13	PASS
	QPSK	3.75	134092	2.17	13	PASS
	BPSK	15	134092	2.05	13	PASS
	QPSK	15	134092	2.07	13	PASS

Test Graphs



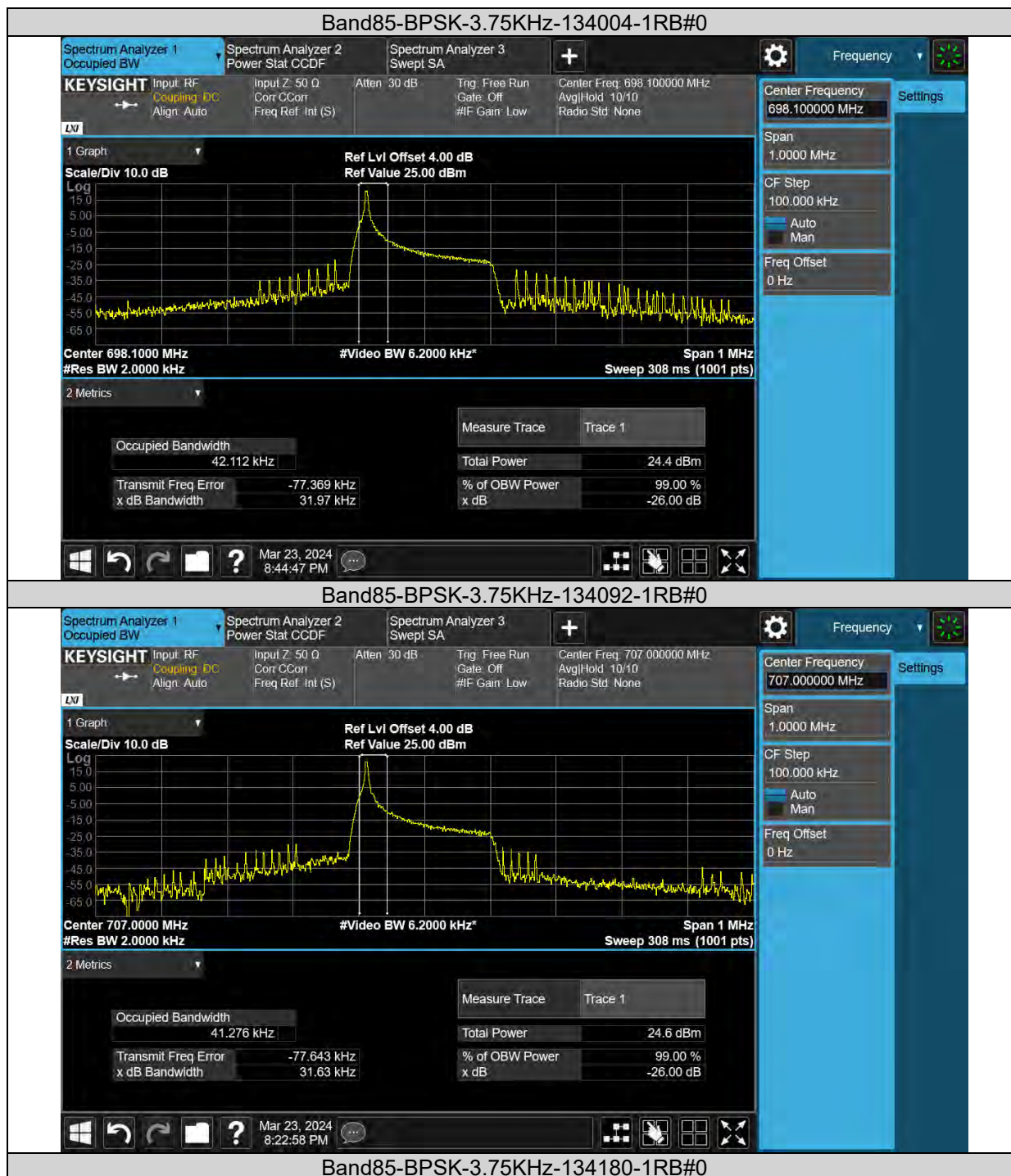


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Verdict
Band85	BPSK	3.75	134004	1RB#0	42.112	31.97	PASS
Band85	BPSK	3.75	134092	1RB#0	41.276	31.63	PASS
Band85	BPSK	3.75	134180	1RB#0	40.956	31.48	PASS
Band85	QPSK	3.75	134004	1RB#0	47.208	34.59	PASS
Band85	QPSK	3.75	134092	1RB#0	49.083	30.72	PASS
Band85	QPSK	3.75	134180	1RB#0	49.838	34.32	PASS
Band85	BPSK	15	134004	1RB#0	107.48	91.99	PASS
Band85	BPSK	15	134092	1RB#0	110.36	104.9	PASS
Band85	BPSK	15	134180	1RB#0	125.10	101.9	PASS
Band85	QPSK	15	134004	1RB#0	107.00	104.1	PASS
Band85	QPSK	15	134092	1RB#0	120.94	117.6	PASS
Band85	QPSK	15	134180	1RB#0	113.16	157.6	PASS
Band85	QPSK	15	134004	12RB#0	185.83	201.7	PASS
Band85	QPSK	15	134092	12RB#0	185.82	200.1	PASS
Band85	QPSK	15	134180	12RB#0	191.02	202.7	PASS

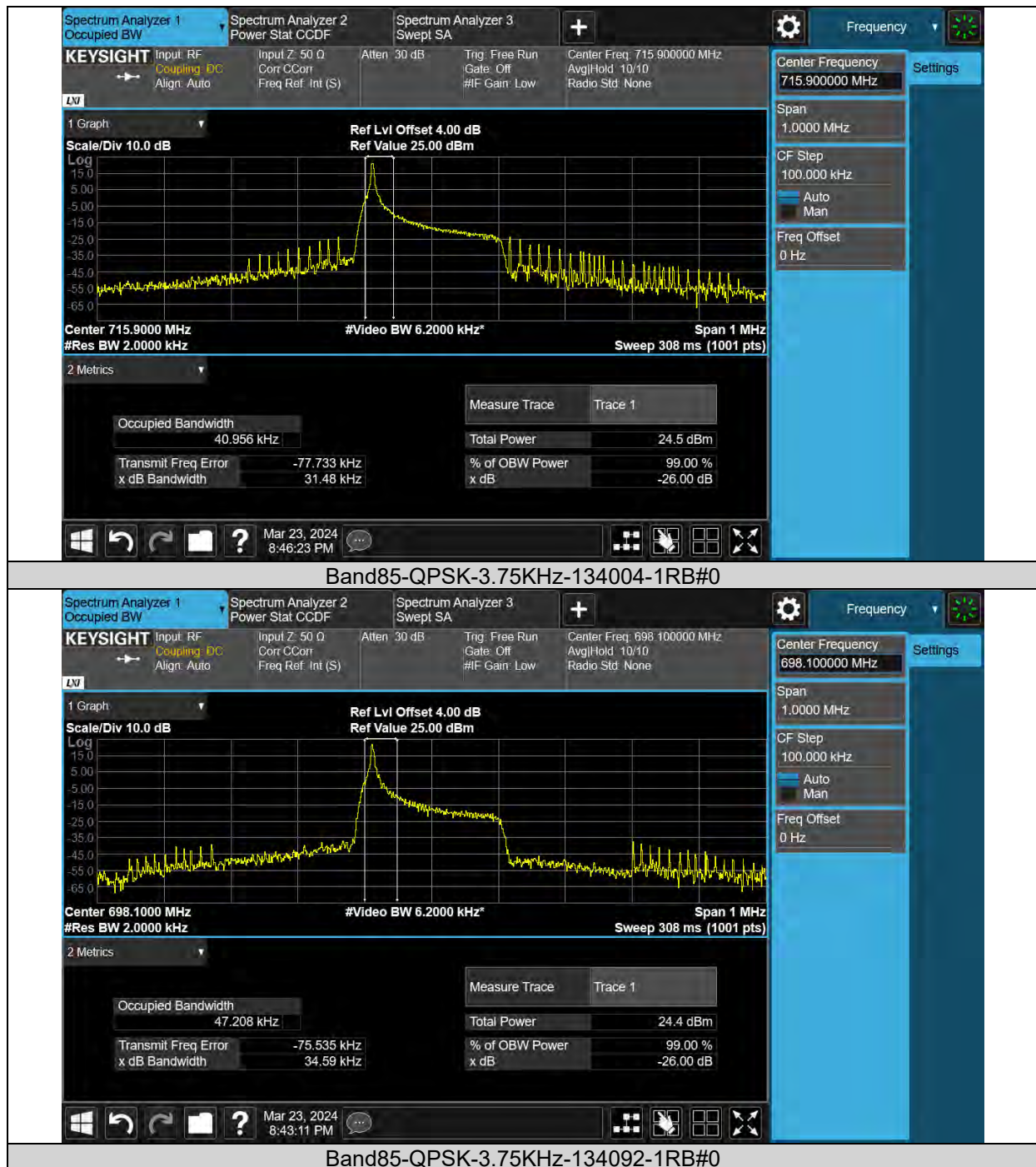
Test Graphs





BUREAU
VERITAS

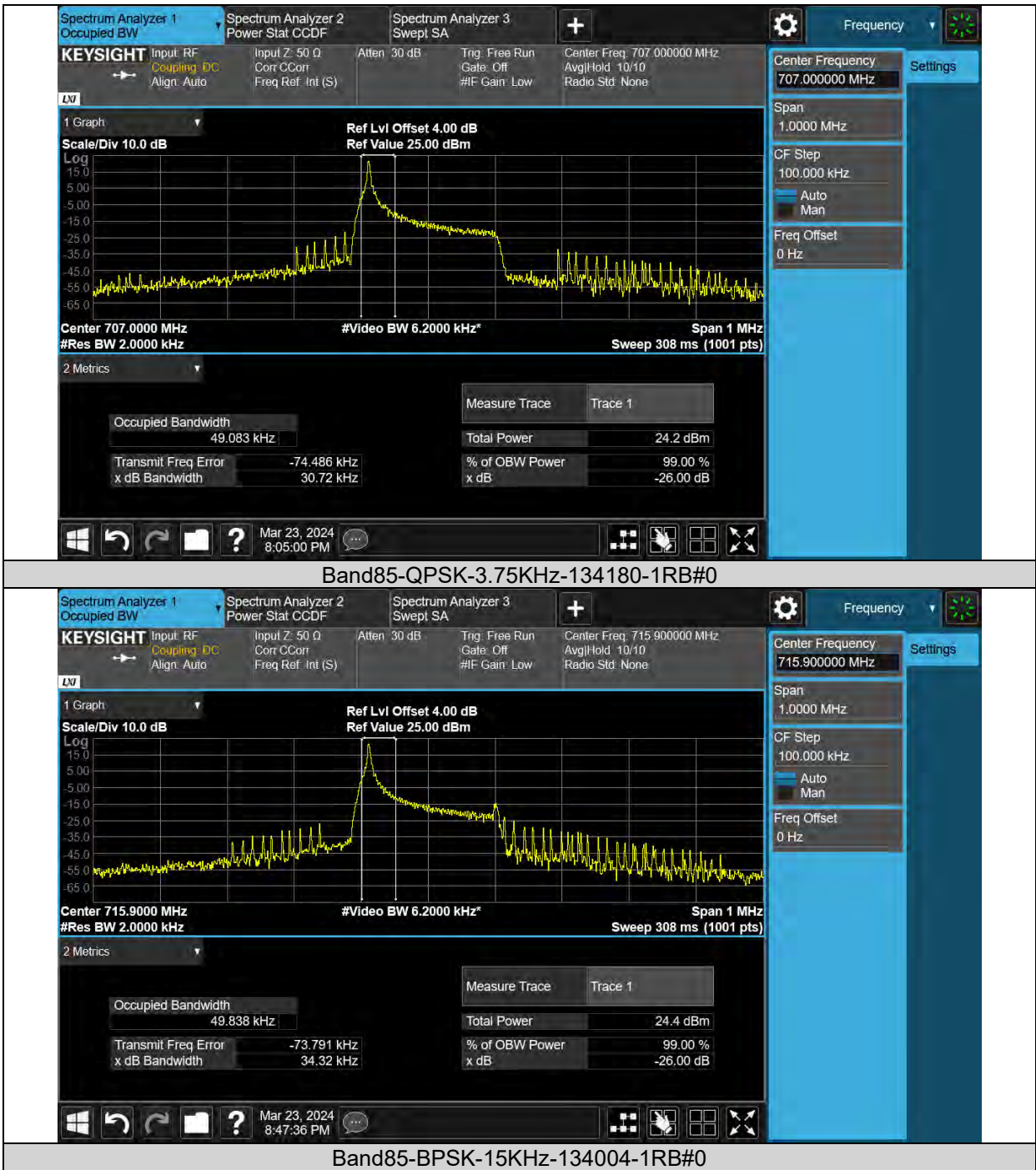
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

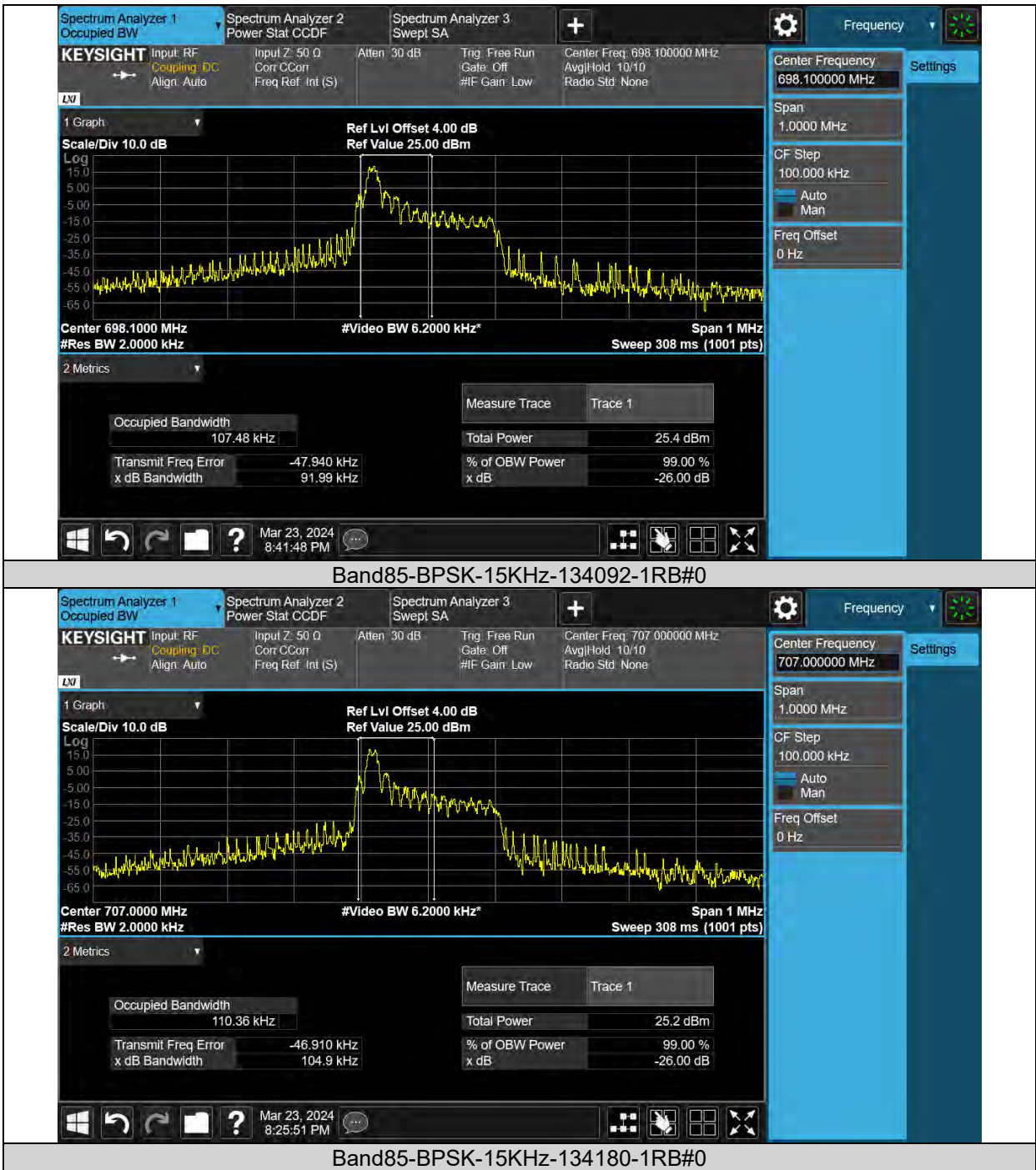
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03





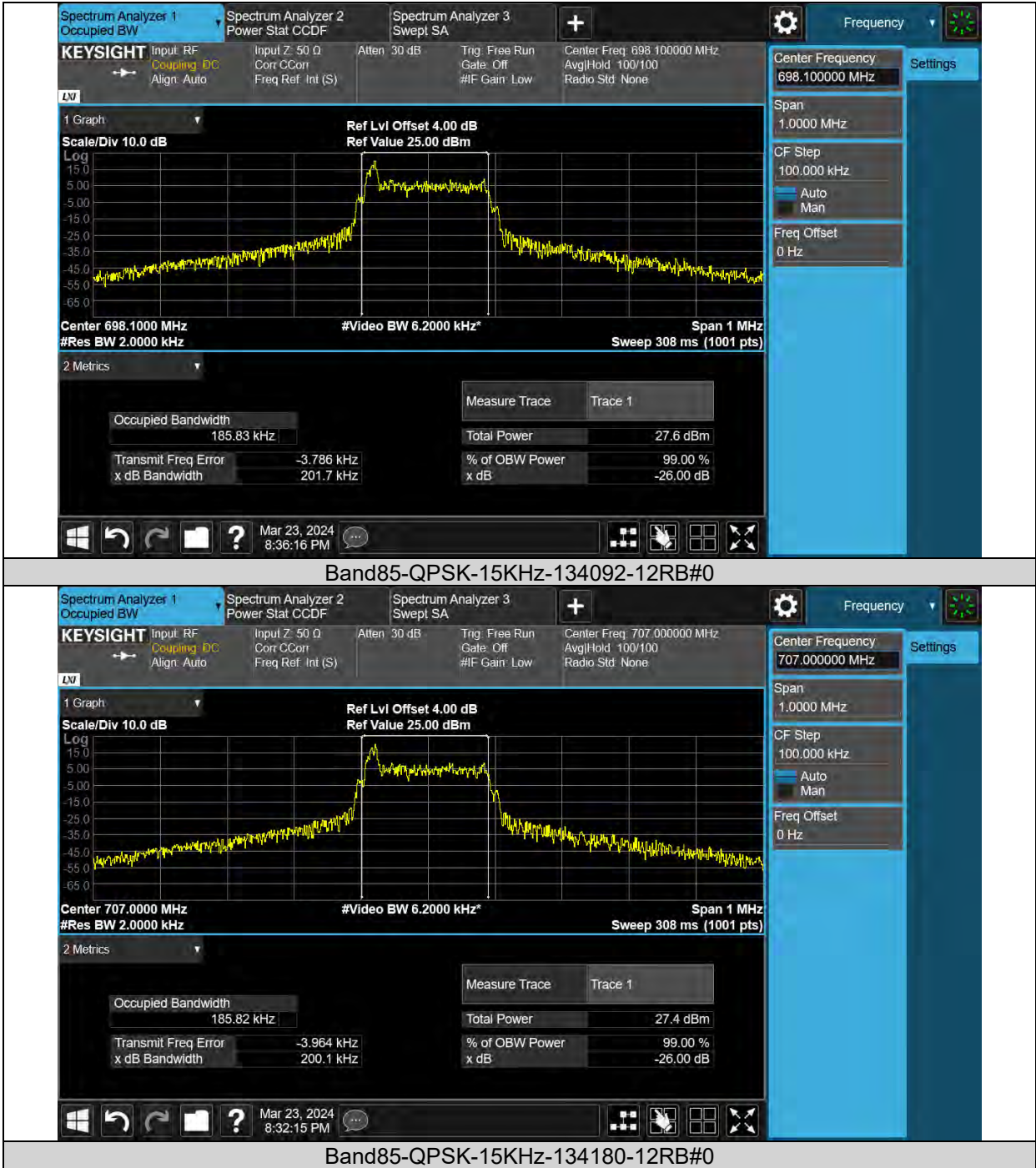
BUREAU
VERITAS

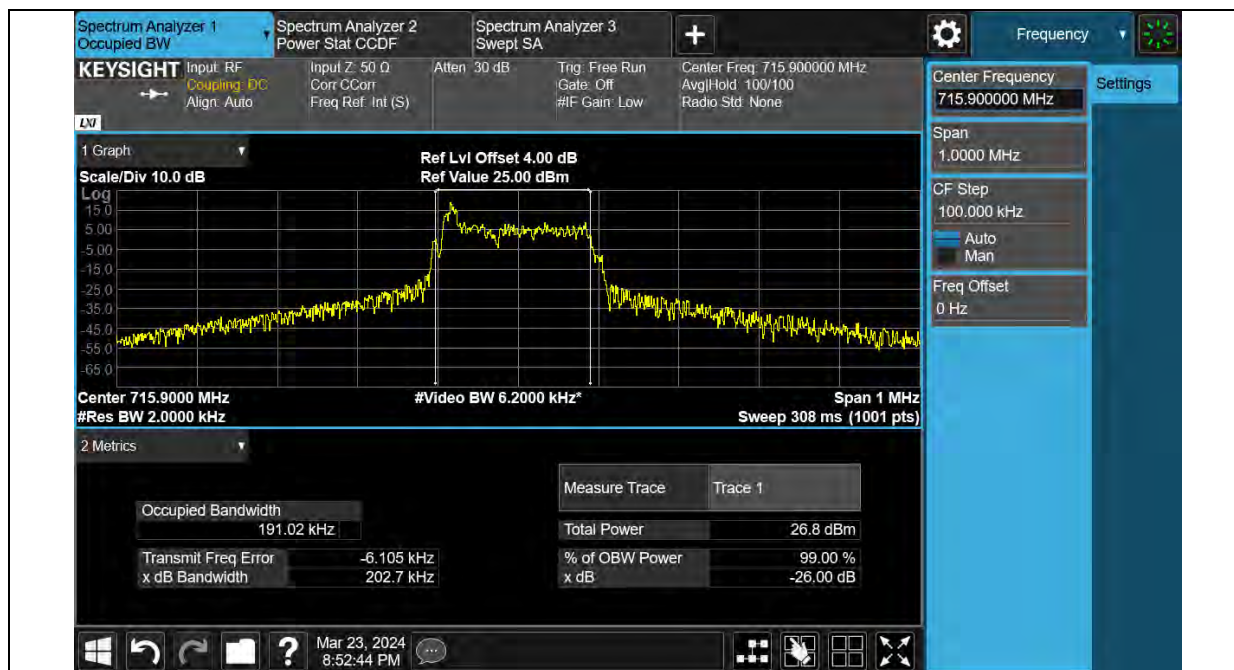
Test Report No.: W7L-240204W001RF03





Test Report No.: W7L-240204W001RF03



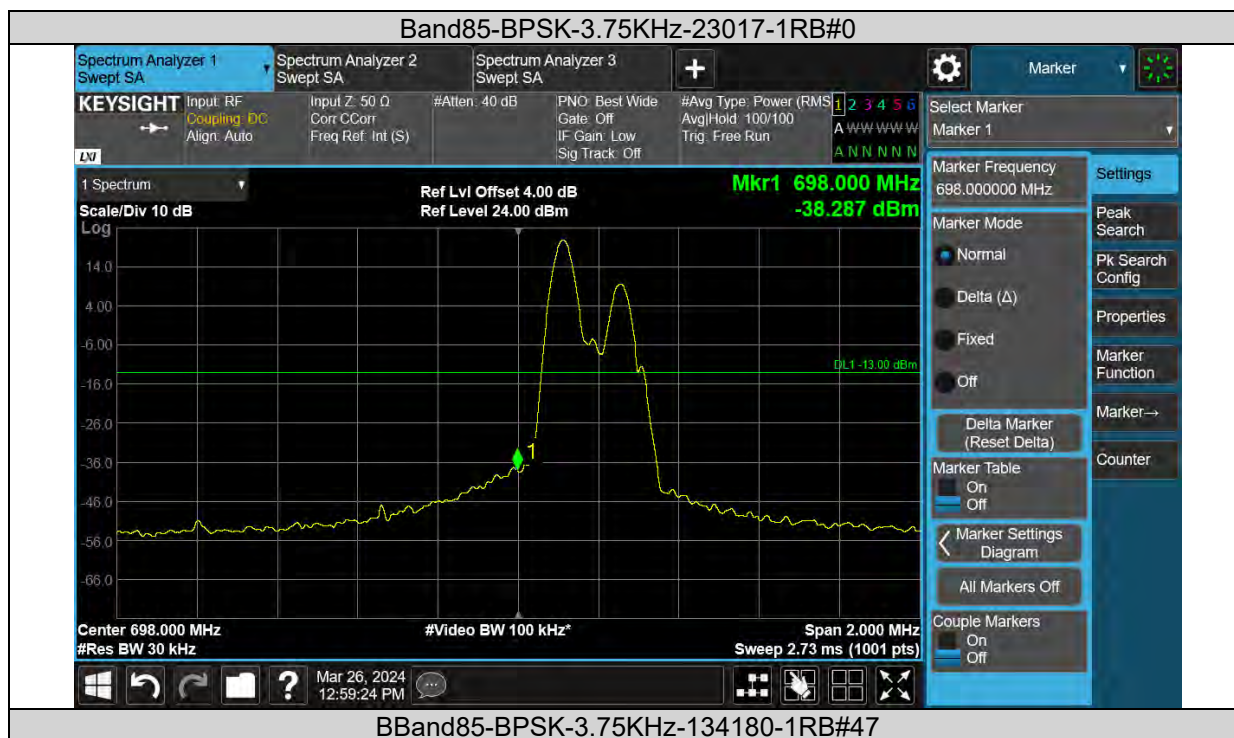


BAND EDGE

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Result(dBm)	Verdict
Band85	BPSK	3.75	134004	1RB#0	See Graph	PASS
Band85	BPSK	3.75	134180	1RB#47	See Graph	PASS
Band85	QPSK	3.75	134004	1RB#0	See Graph	PASS
Band85	QPSK	3.75	134180	1RB#47	See Graph	PASS
Band85	BPSK	15	134004	1RB#0	See Graph	PASS
Band85	BPSK	15	134180	1RB#11	See Graph	PASS
Band85	QPSK	15	134004	1RB#0	See Graph	PASS
Band85	QPSK	15	134180	1RB#11	See Graph	PASS
Band85	QPSK	15	134004	12RB#0	See Graph	PASS
Band85	QPSK	15	134180	12RB#0	See Graph	PASS

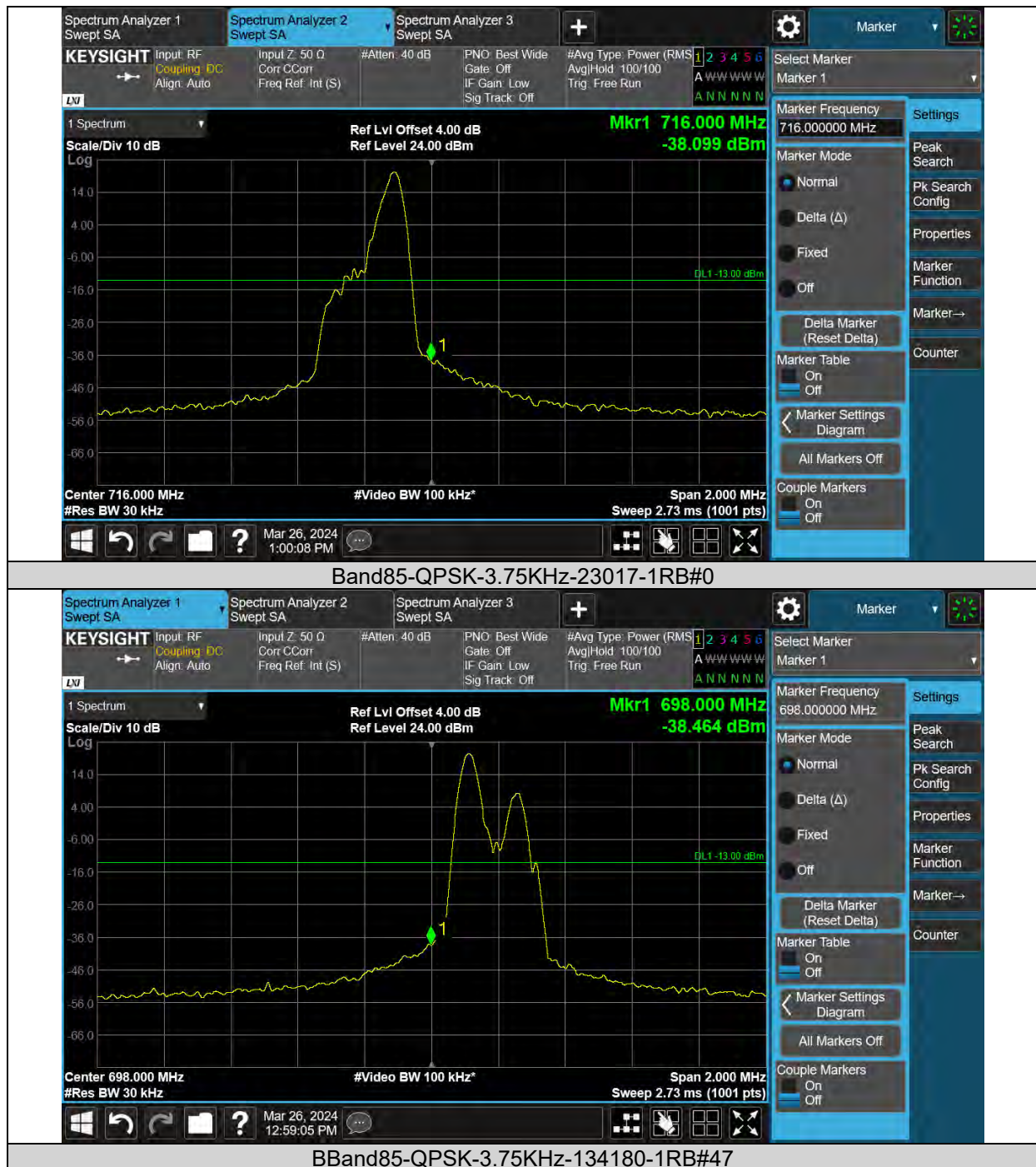
Test Graphs





BUREAU
VERITAS

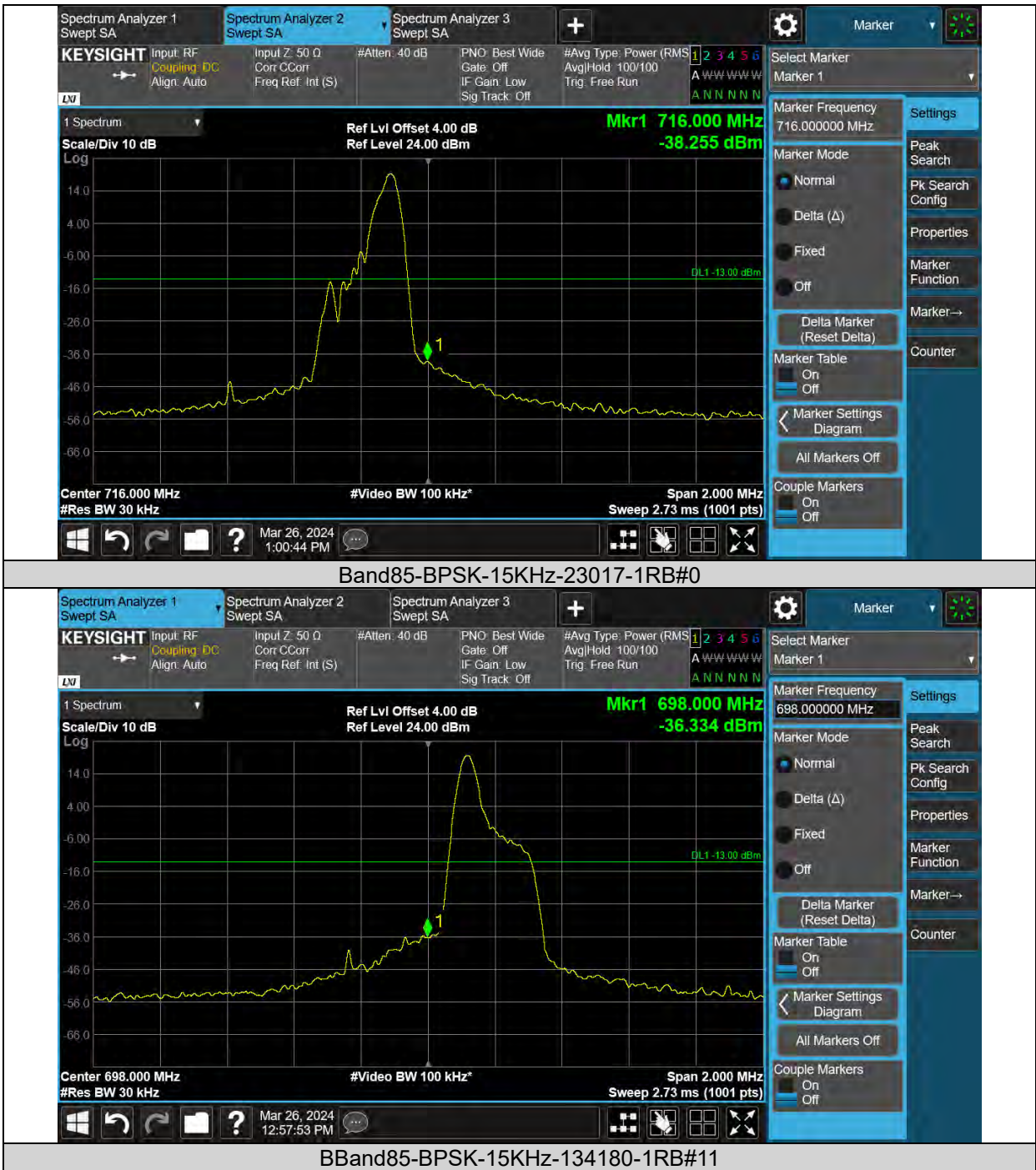
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

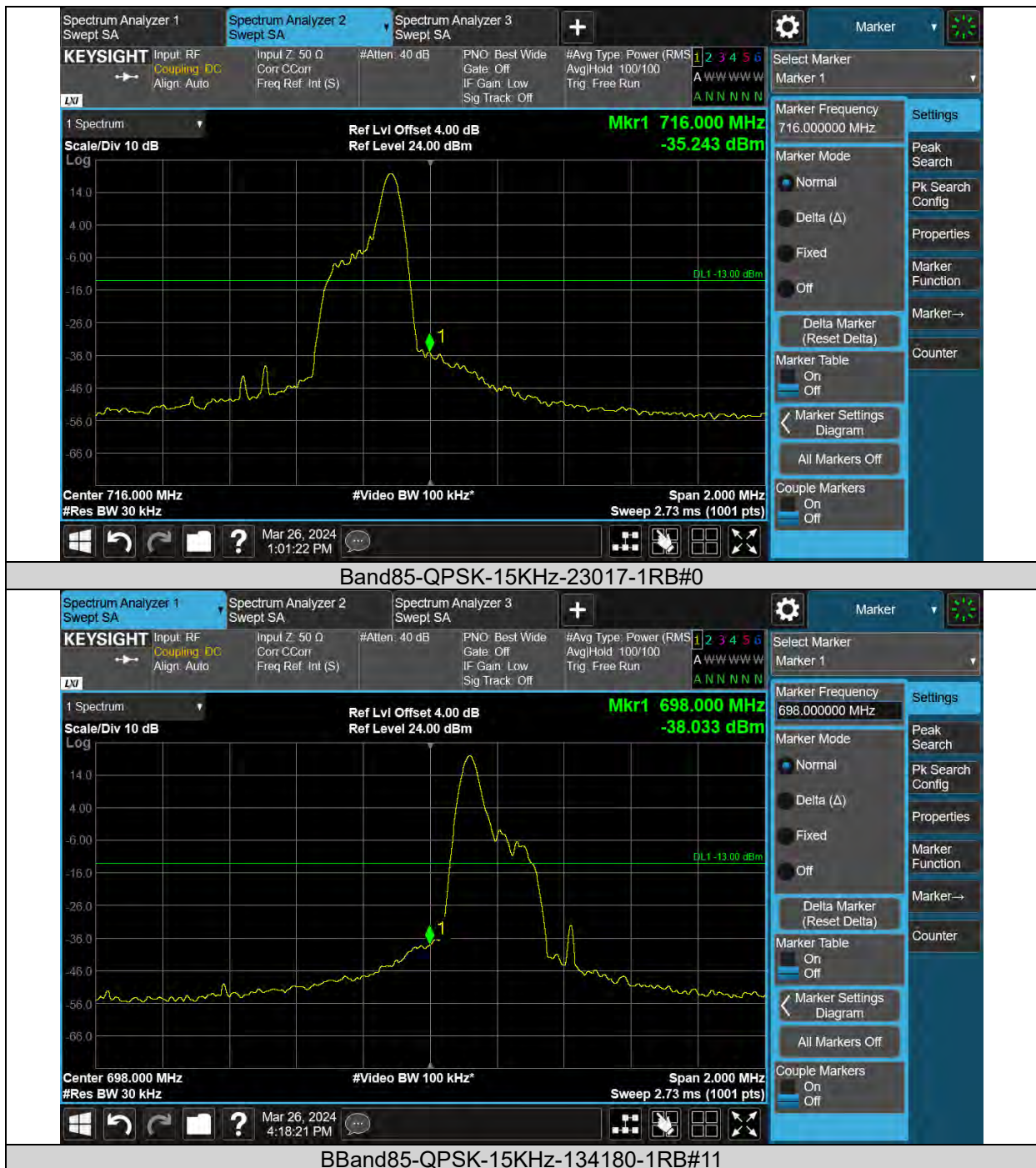
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

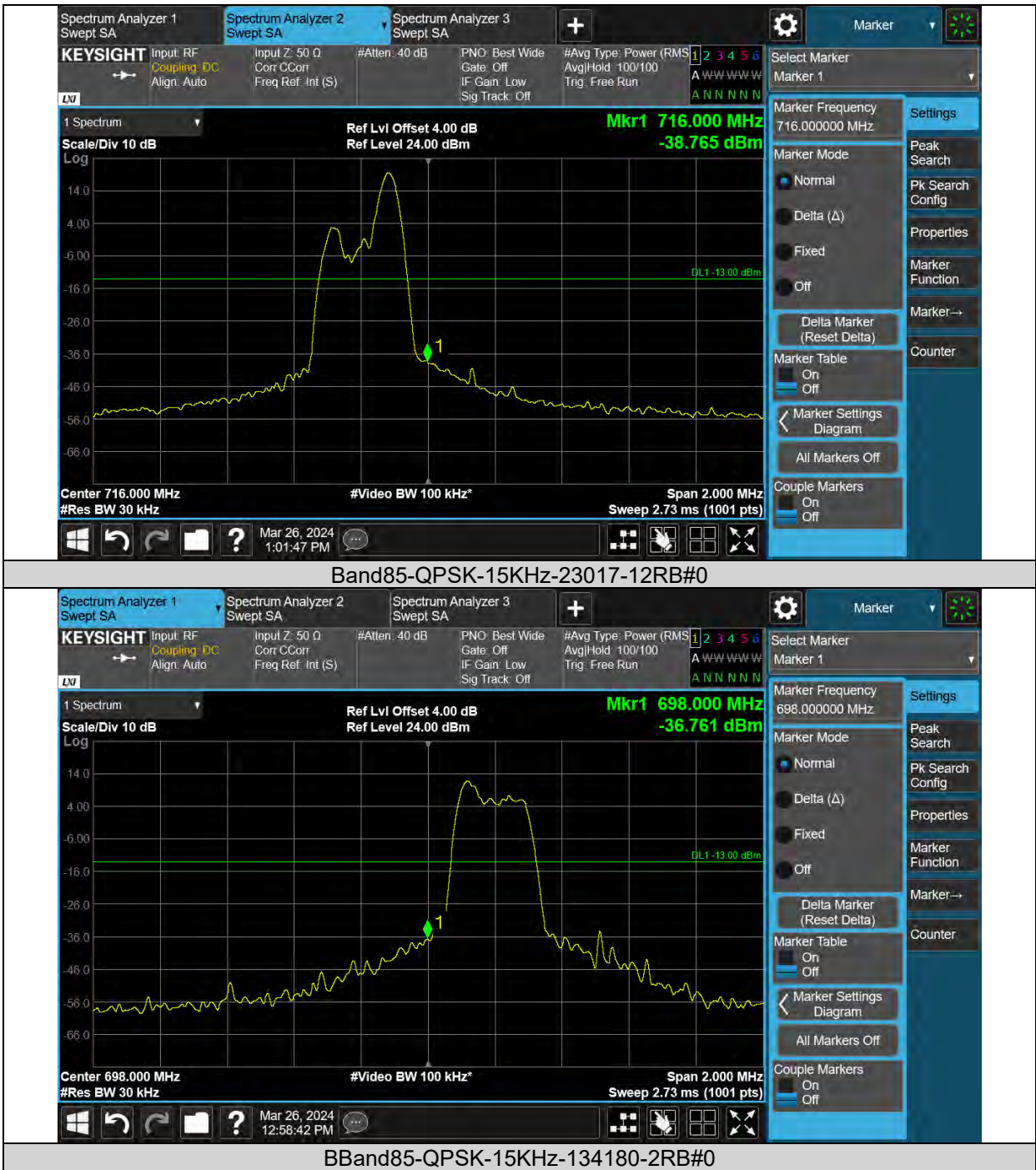
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03



CONDUCTED SPURIOUS EMISSION

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Frequency Range	Result (dBm)	Verdict
Band85	BPSK	3.75	134004	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	BPSK	3.75	134092	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	BPSK	3.75	134180	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	3.75	134004	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	3.75	134092	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	3.75	134180	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	BPSK	15	134004	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	BPSK	15	134092	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	BPSK	15	134180	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	15	134004	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	15	134092	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	15	134180	1RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	15	134004	12RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	15	134092	12RB#0	Range:30M~9000M	See Graph	PASS
Band85	QPSK	15	134180	12RB#0	Range:30M~9000M	See Graph	PASS

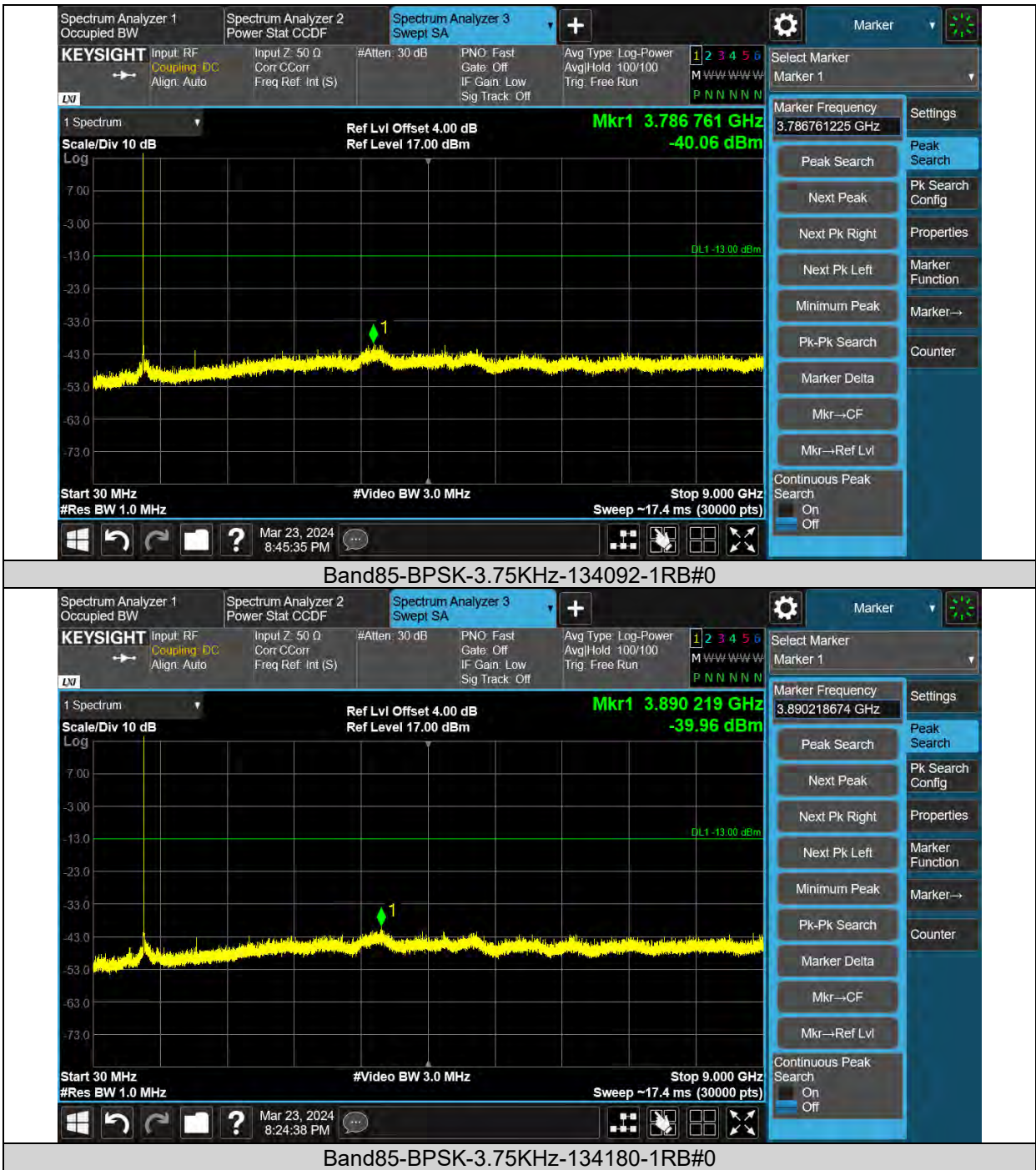
Test Graphs

Band85-BPSK-3.75KHz-134004-1RB#0



BUREAU
VERITAS

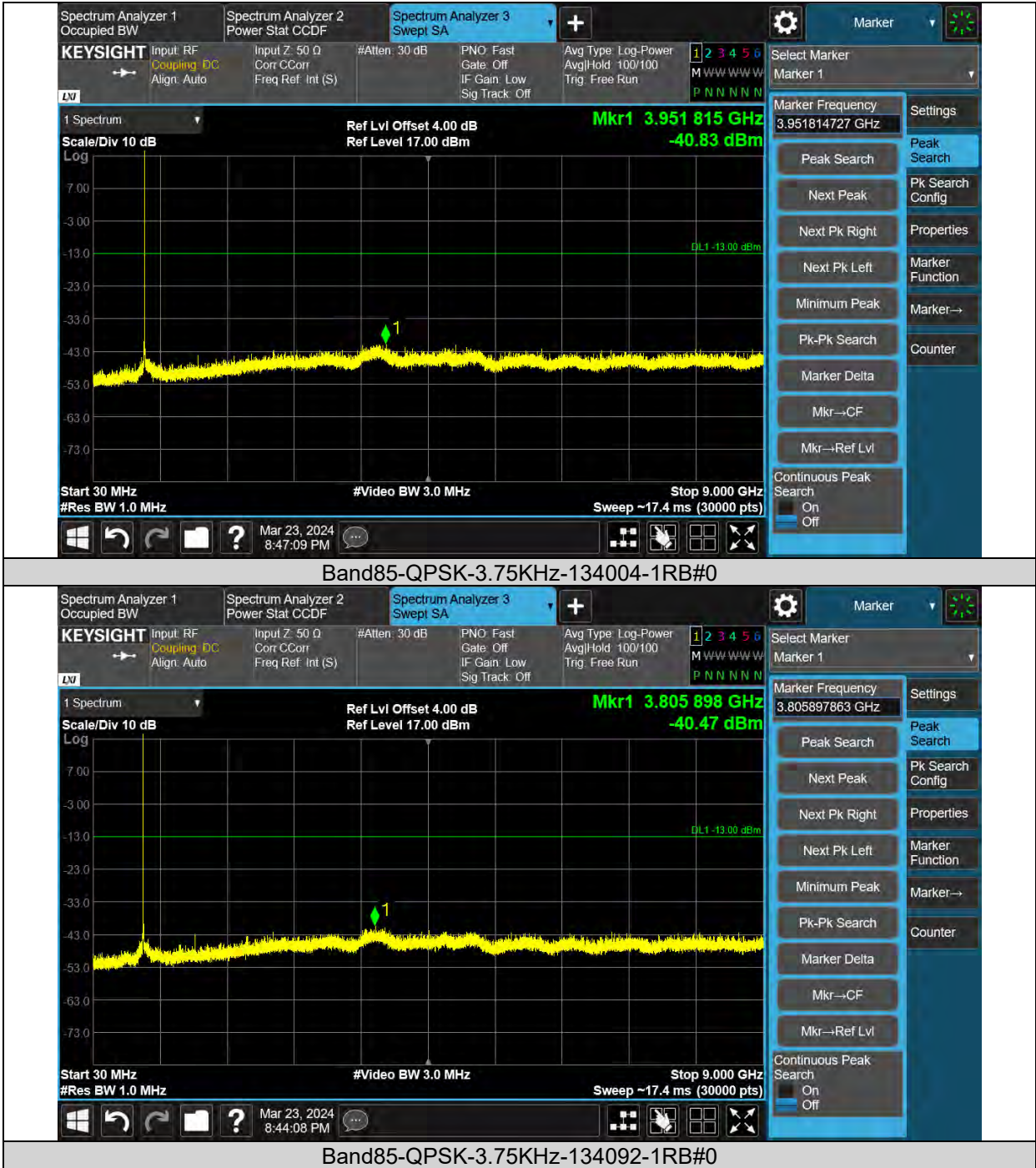
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

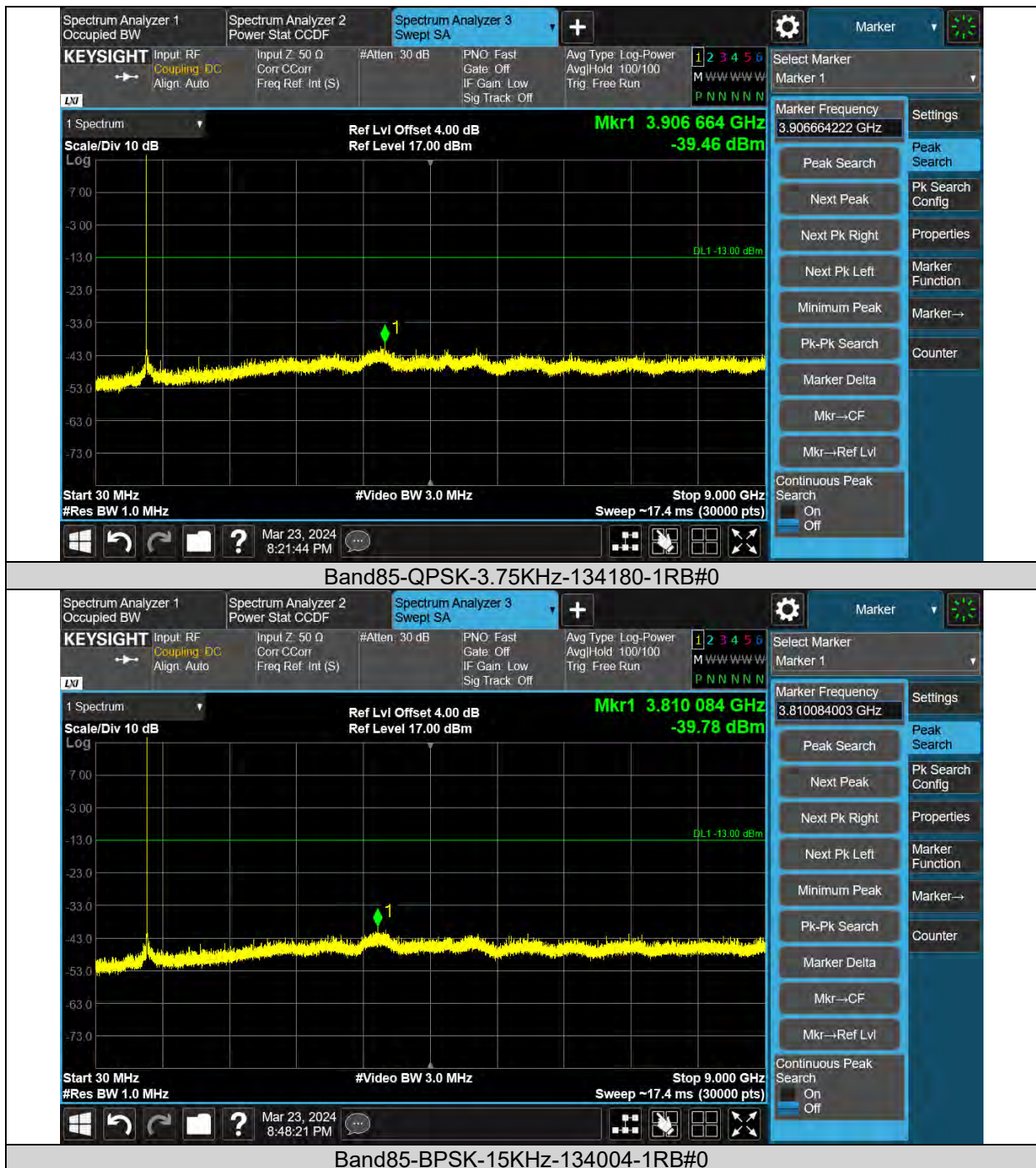
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

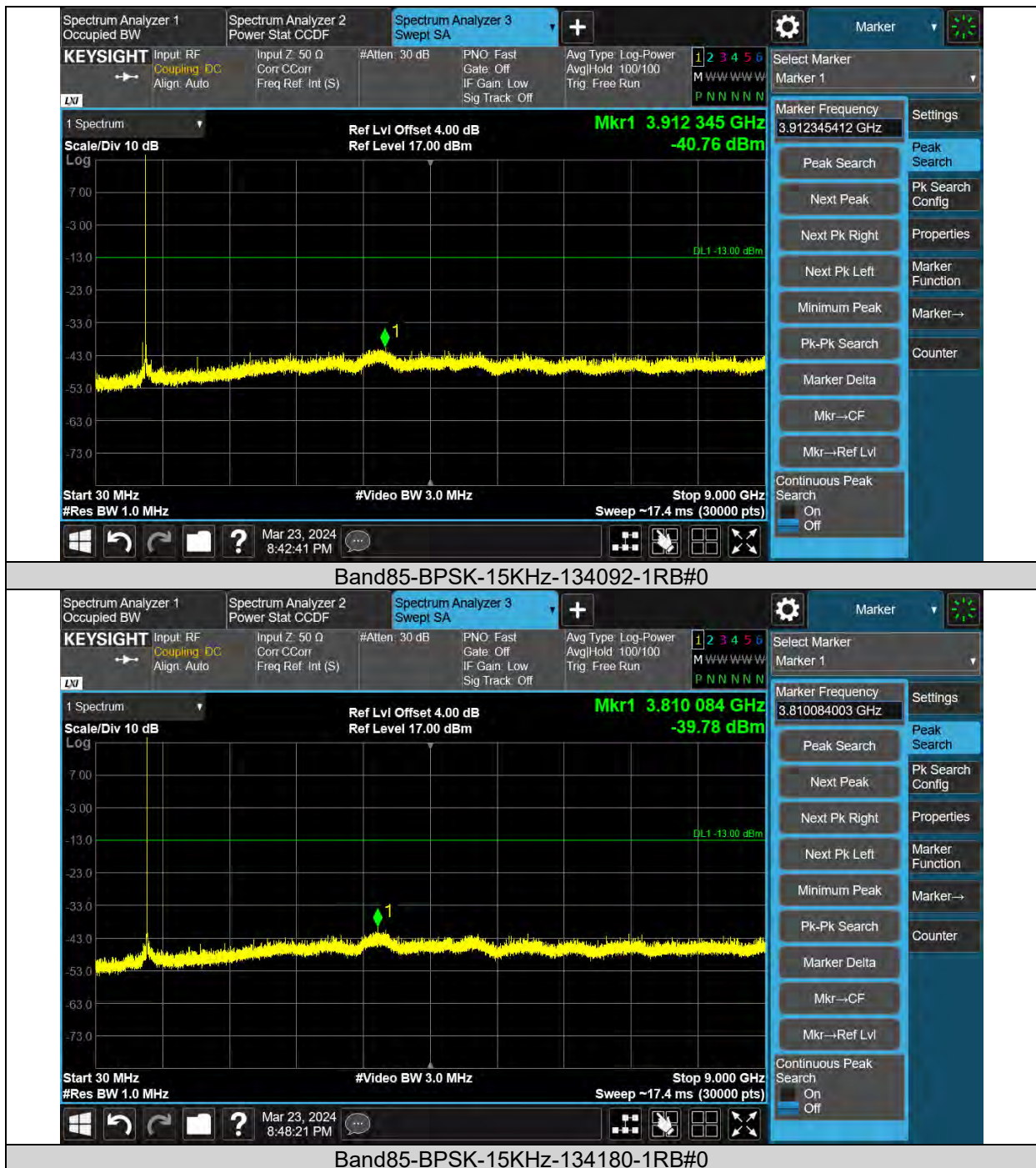
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

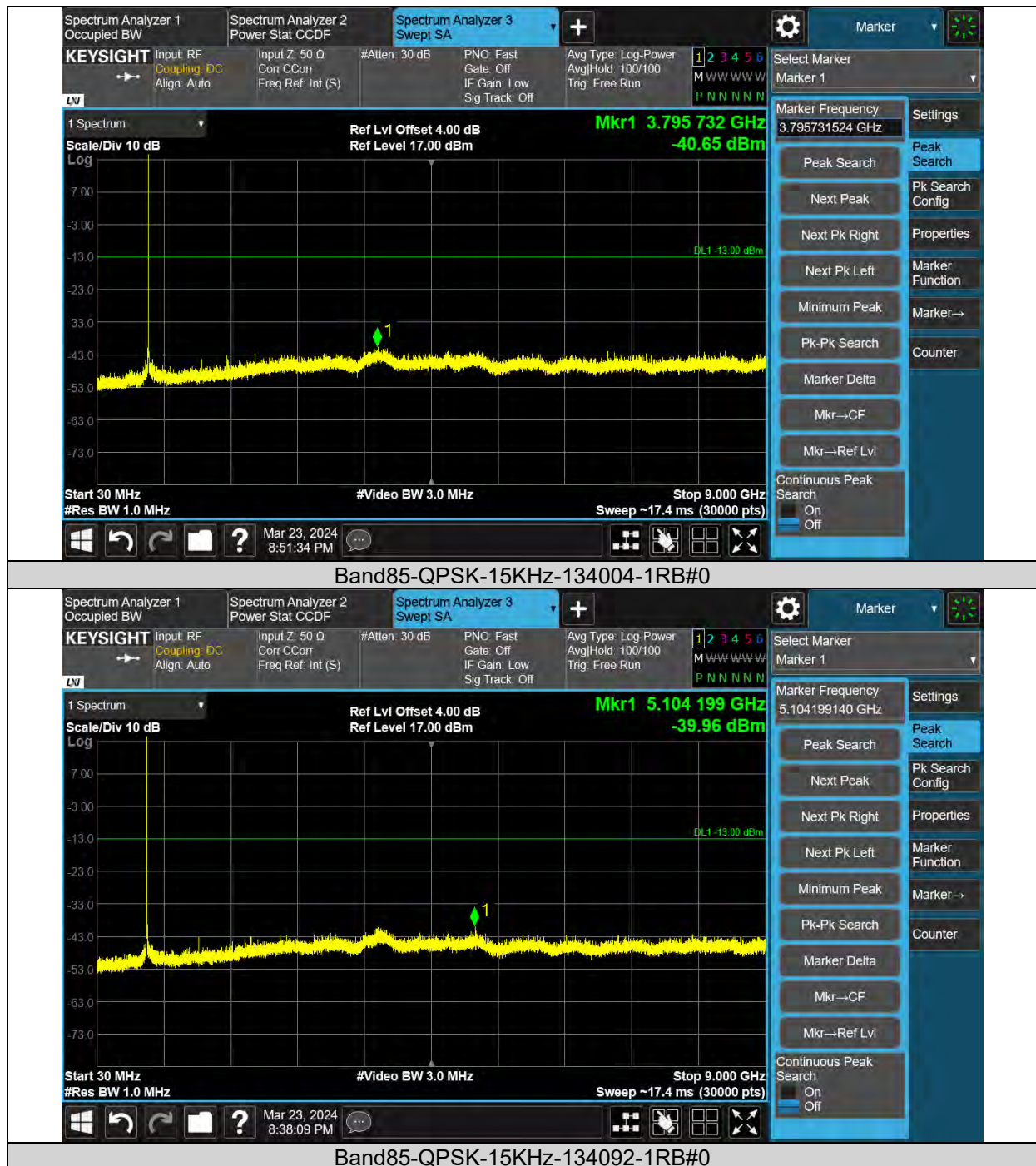
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

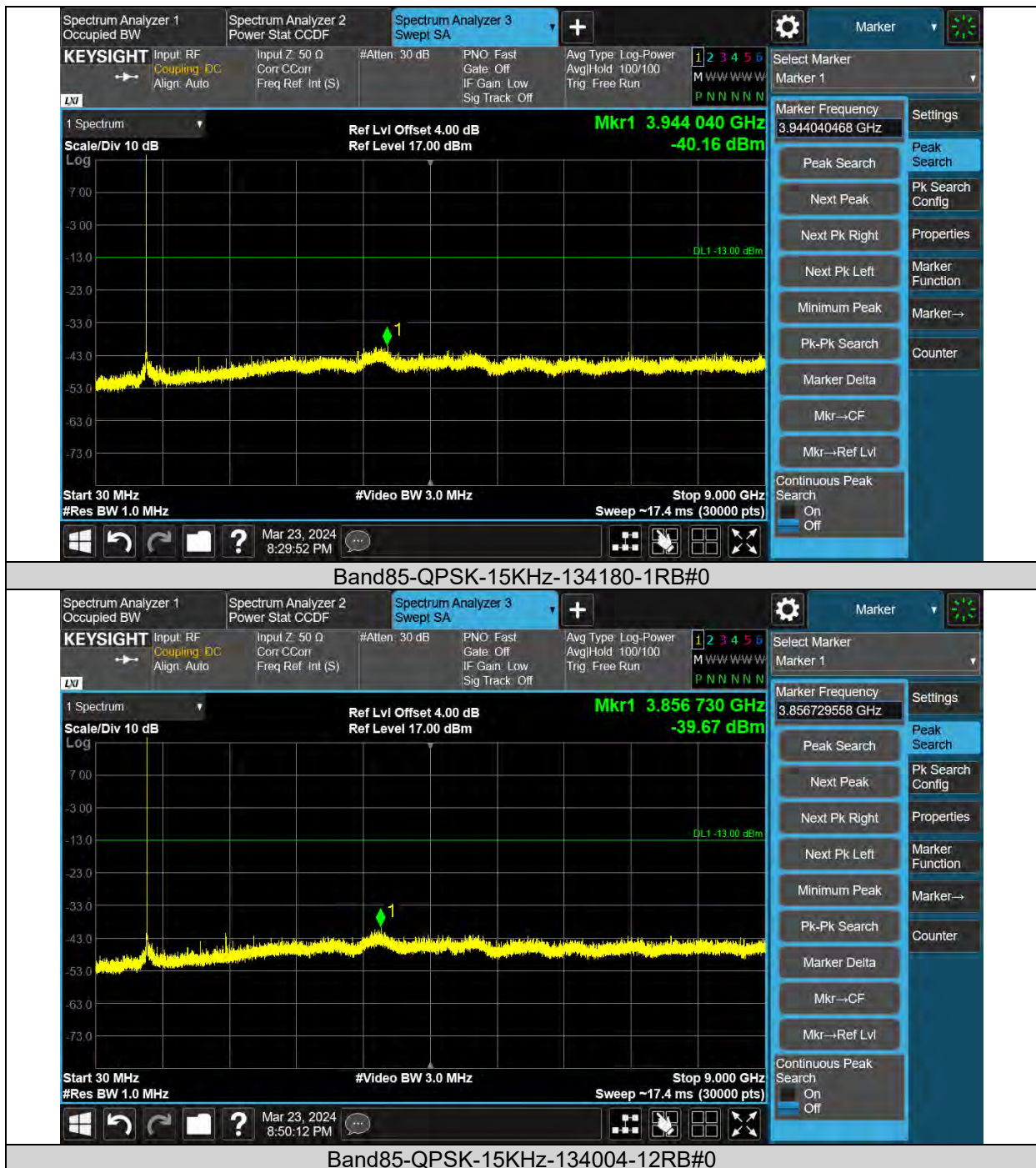
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

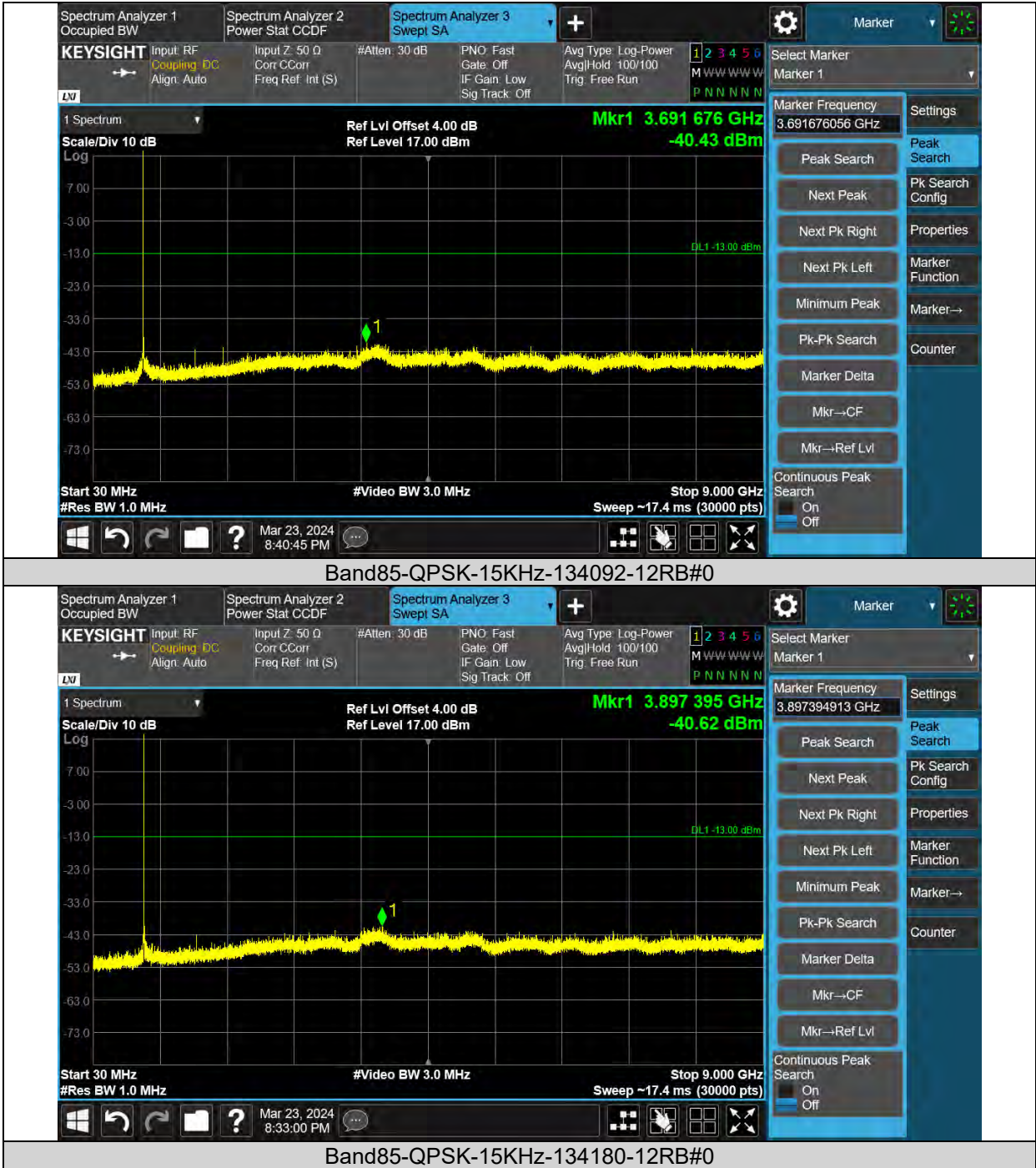
Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03





FREQUENCY STABILITY

Test Result

Voltage								
Band	Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band85	QPSK	134092	VL	NT	6.2	0.009212	±2.5	PASS
Band85	QPSK	134092	VN	NT	29.3	0.043536	±2.5	PASS
Band85	QPSK	134092	VH	NT	3.7	0.005498	±2.5	PASS
Band85	BPSK	134092	VL	NT	22.4	0.032796	±2.5	PASS
Band85	BPSK	134092	VN	NT	9.2	0.013470	±2.5	PASS
Band85	BPSK	134092	VH	NT	-23.5	-0.034407	±2.5	PASS

Temperature								
Band	Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band85	QPSK	134092	NV	-30	21.5	0.031947	±2.5	PASS
Band85	QPSK	134092	NV	-20	1.9	0.002823	±2.5	PASS
Band85	QPSK	134092	NV	-10	27.9	0.041456	±2.5	PASS
Band85	QPSK	134092	NV	0	19.4	0.028826	±2.5	PASS
Band85	QPSK	134092	NV	10	21.8	0.032392	±2.5	PASS
Band85	QPSK	134092	NV	20	31.4	0.046657	±2.5	PASS
Band85	QPSK	134092	NV	30	16.1	0.023923	±2.5	PASS
Band85	QPSK	134092	NV	40	28	0.041605	±2.5	PASS
Band85	QPSK	134092	NV	50	-31.9	-0.047400	±2.5	PASS
Band85	BPSK	134092	NV	-30	-6.6	-0.009663	±2.5	PASS
Band85	BPSK	134092	NV	-20	-5.3	-0.007760	±2.5	PASS
Band85	BPSK	134092	NV	-10	23	0.033675	±2.5	PASS
Band85	BPSK	134092	NV	0	-7.7	-0.011274	±2.5	PASS
Band85	BPSK	134092	NV	10	9	0.013177	±2.5	PASS
Band85	BPSK	134092	NV	20	22.7	0.033236	±2.5	PASS
Band85	BPSK	134092	NV	30	10.2	0.014934	±2.5	PASS
Band85	BPSK	134092	NV	40	21	0.030747	±2.5	PASS
Band85	BPSK	134092	NV	50	-27	-0.039531	±2.5	PASS

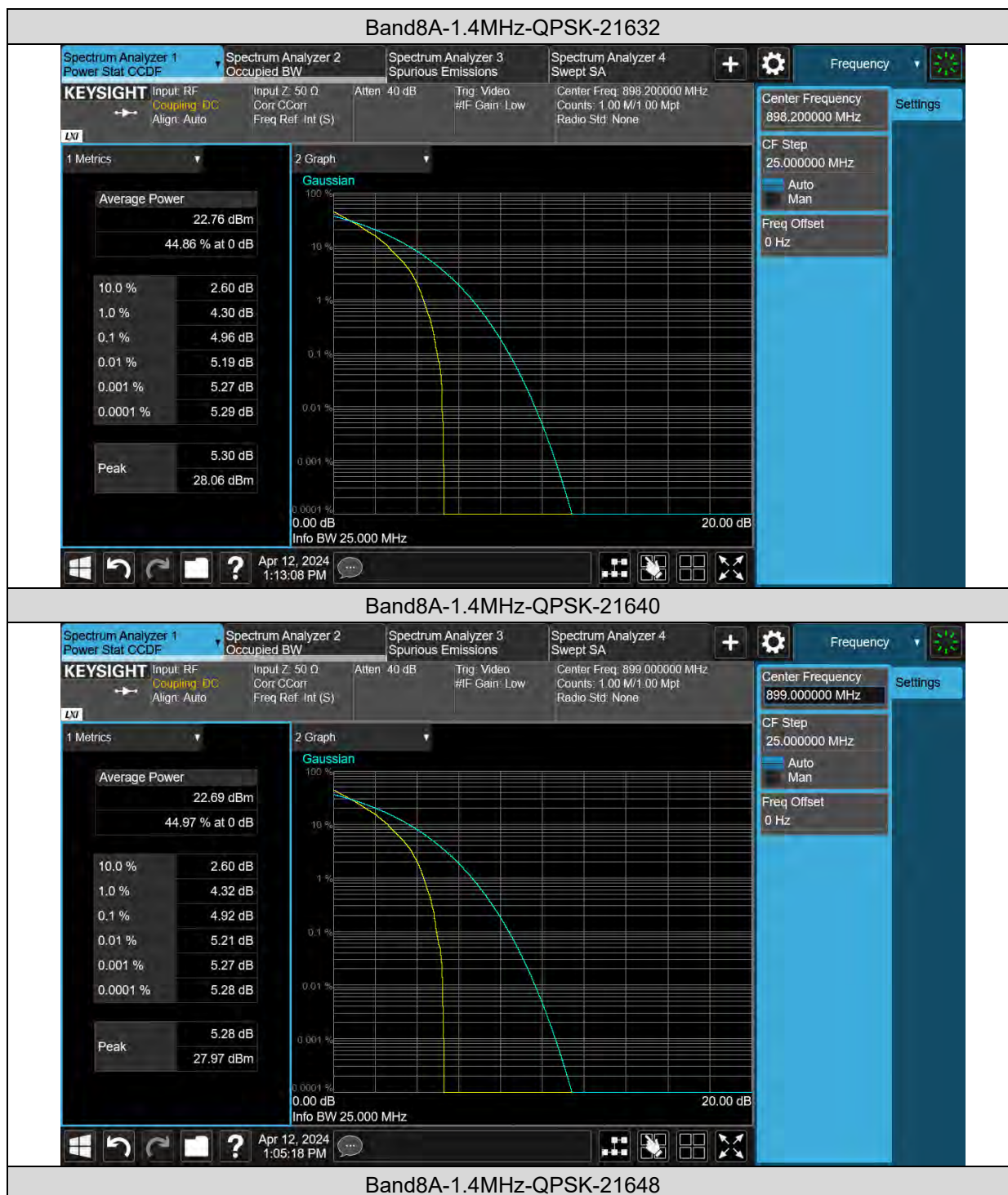
CAM-T: LTE BAND8

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	Result(dB)	Limit(dB)	Verdict
Band8A	1.4MHz	QPSK	21632	4.96	13	PASS
Band8A	1.4MHz	QPSK	21640	4.92	13	PASS
Band8A	1.4MHz	QPSK	21648	4.95	13	PASS
Band8A	1.4MHz	16QAM	21632	5.61	13	PASS
Band8A	1.4MHz	16QAM	21640	5.74	13	PASS
Band8A	1.4MHz	16QAM	21648	5.63	13	PASS
Band8A	3MHz	QPSK	21640	4.92	13	PASS
Band8A	3MHz	16QAM	21640	7.05	13	PASS

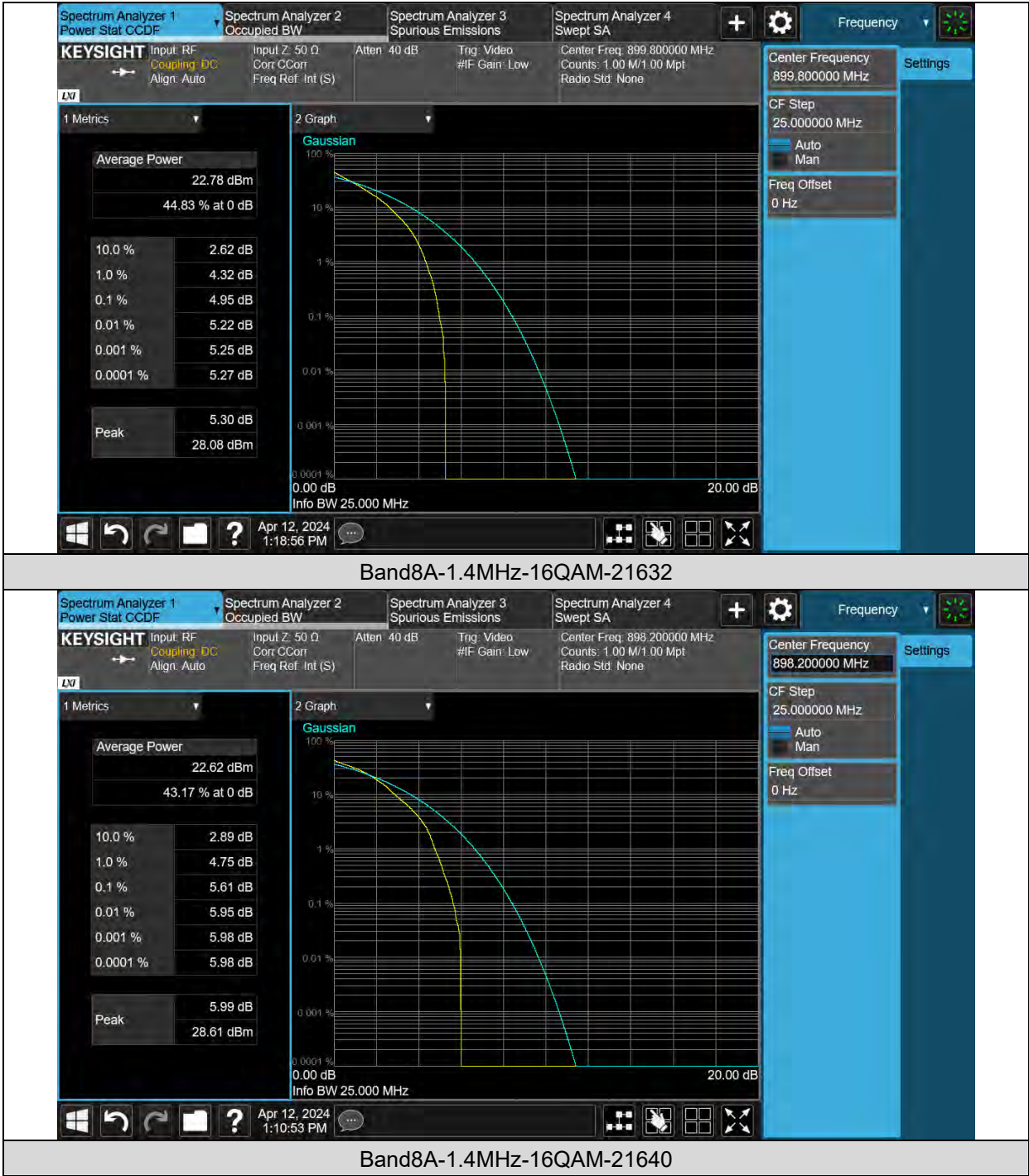
Test Graphs





BUREAU
VERITAS

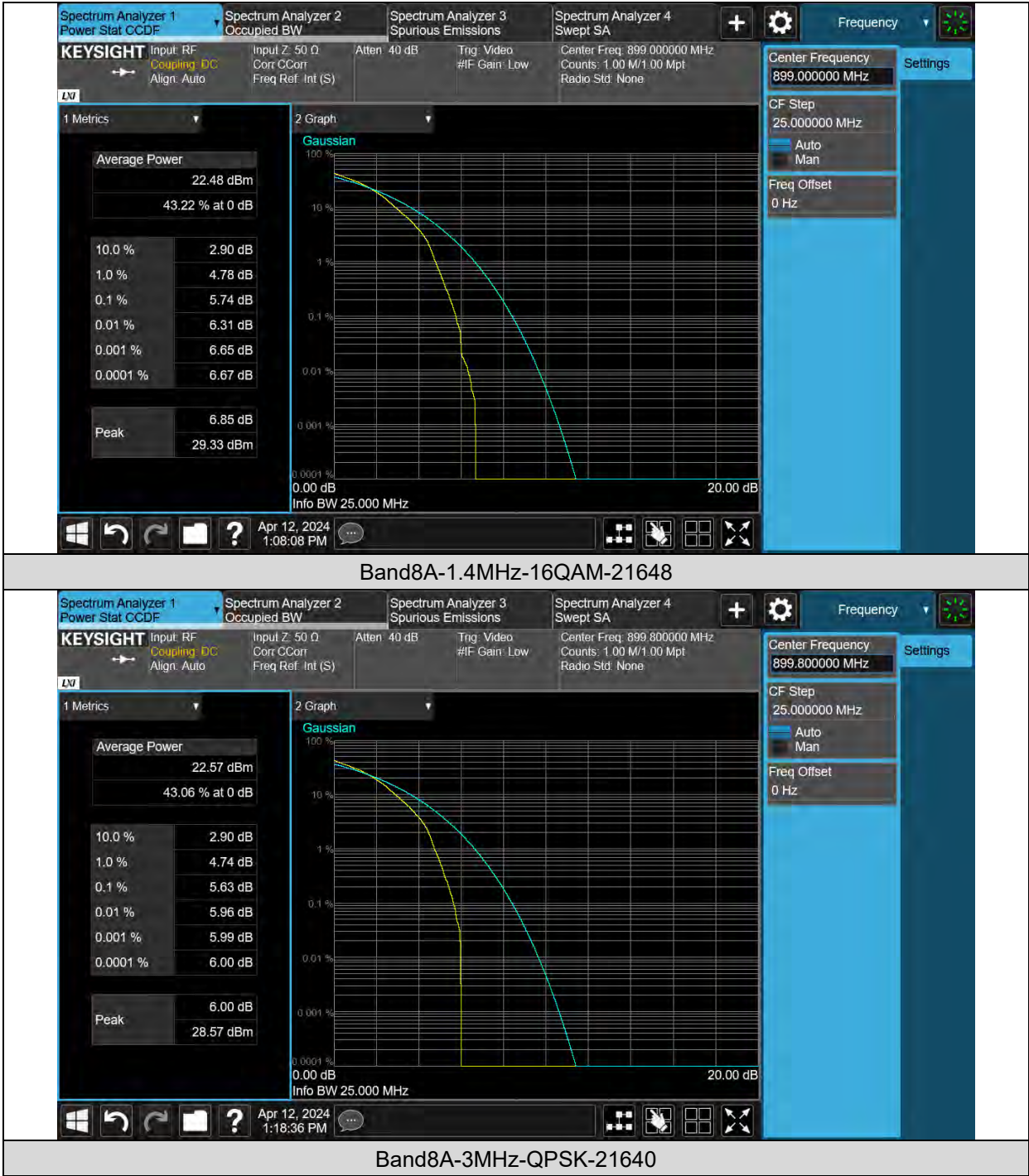
Test Report No.: W7L-240204W001RF03

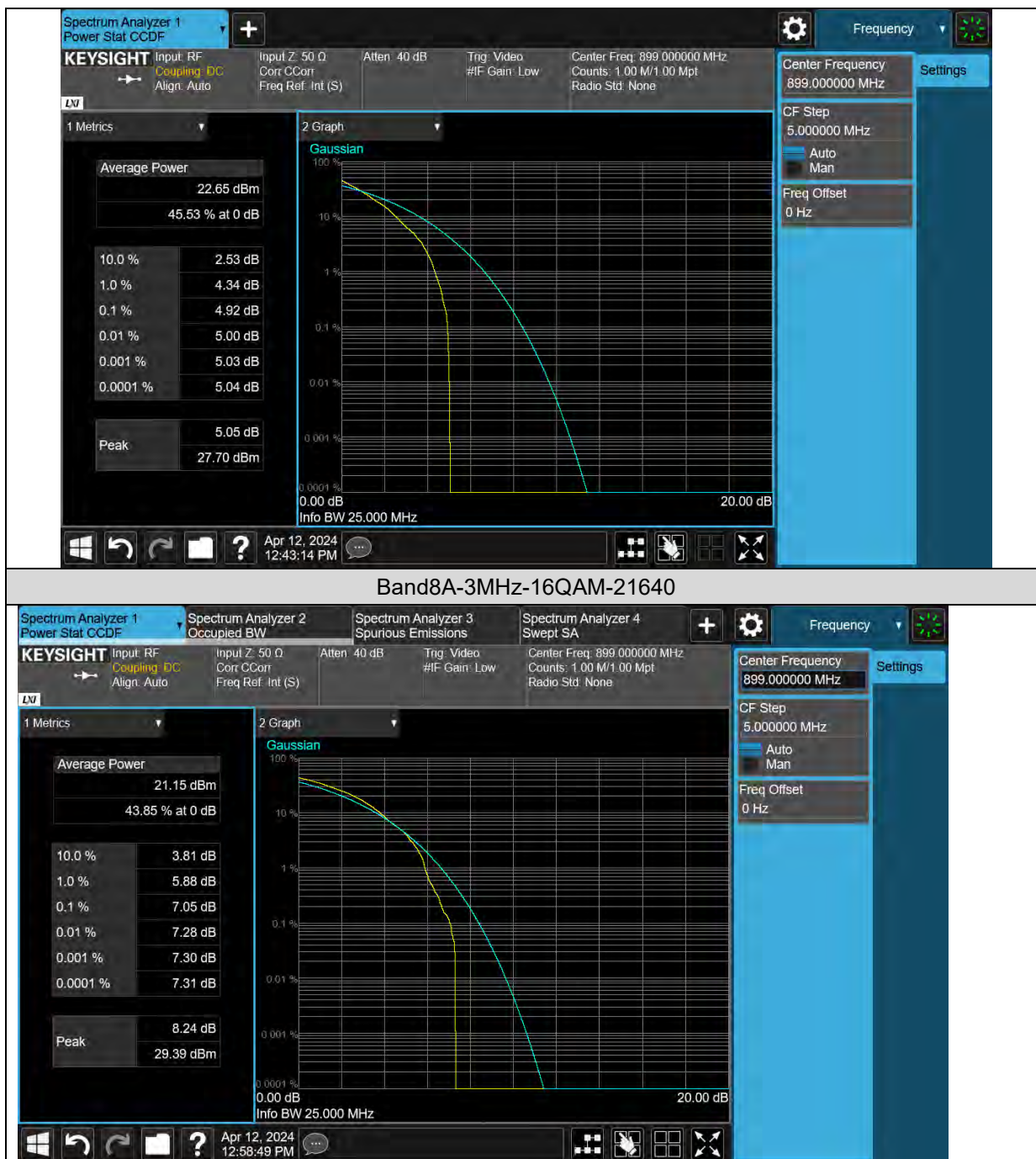




BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03



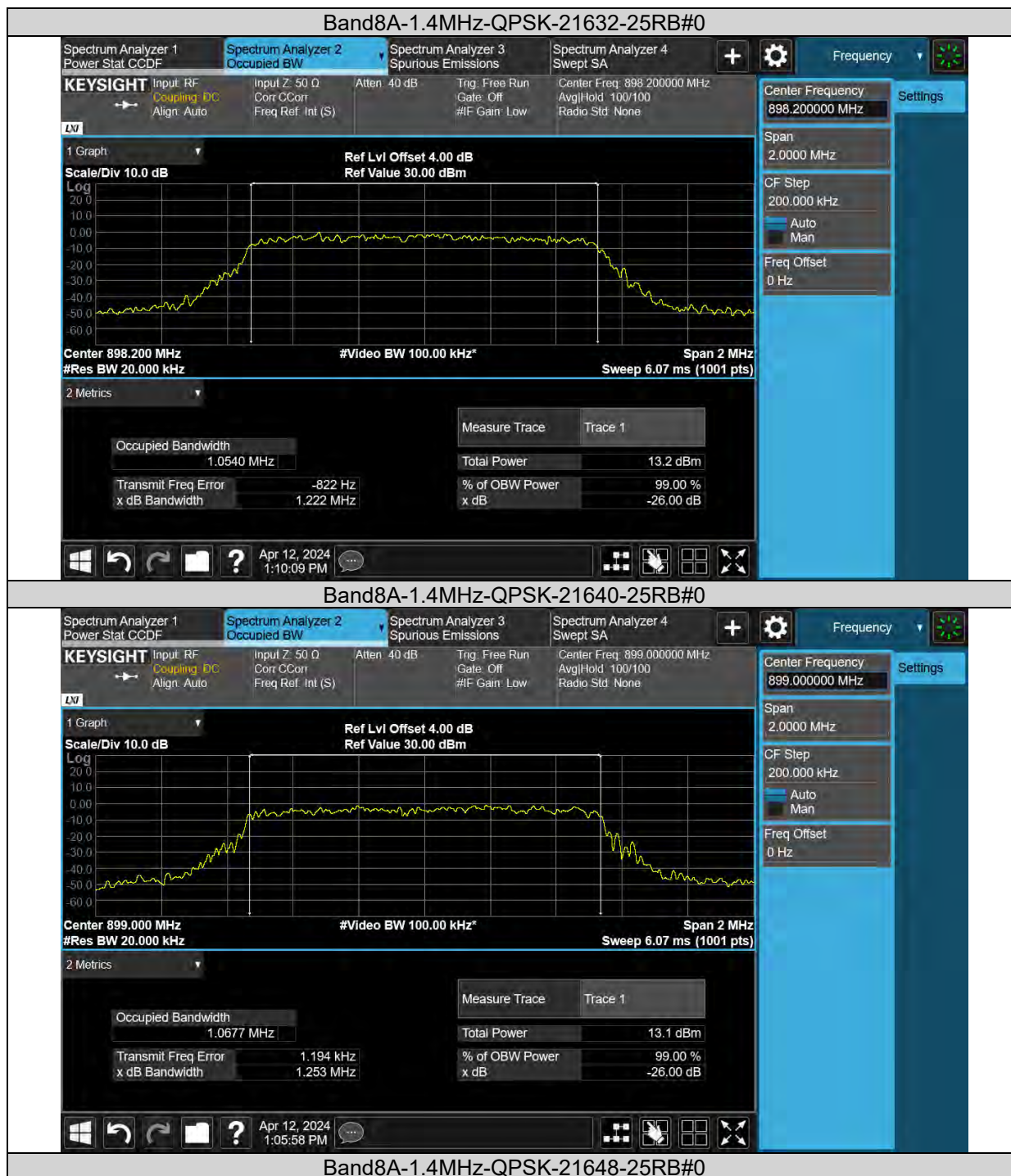


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band8A	1.4MHz	QPSK	21632	6RB#0	1.0540	1.222	PASS
Band8A	1.4MHz	QPSK	21640	6RB#0	1.0677	1.253	PASS
Band8A	1.4MHz	QPSK	21648	6RB#0	1.0620	1.240	PASS
Band8A	1.4MHz	16QAM	21632	6RB#0	1.0789	1.279	PASS
Band8A	1.4MHz	16QAM	21640	6RB#0	1.0715	1.275	PASS
Band8A	1.4MHz	16QAM	21648	6RB#0	1.0695	1.256	PASS
Band8A	3MHz	QPSK	21640	6RB#0	1.0605	1.284	PASS
Band8A	3MHz	16QAM	21640	6RB#0	1.0751	1.266	PASS

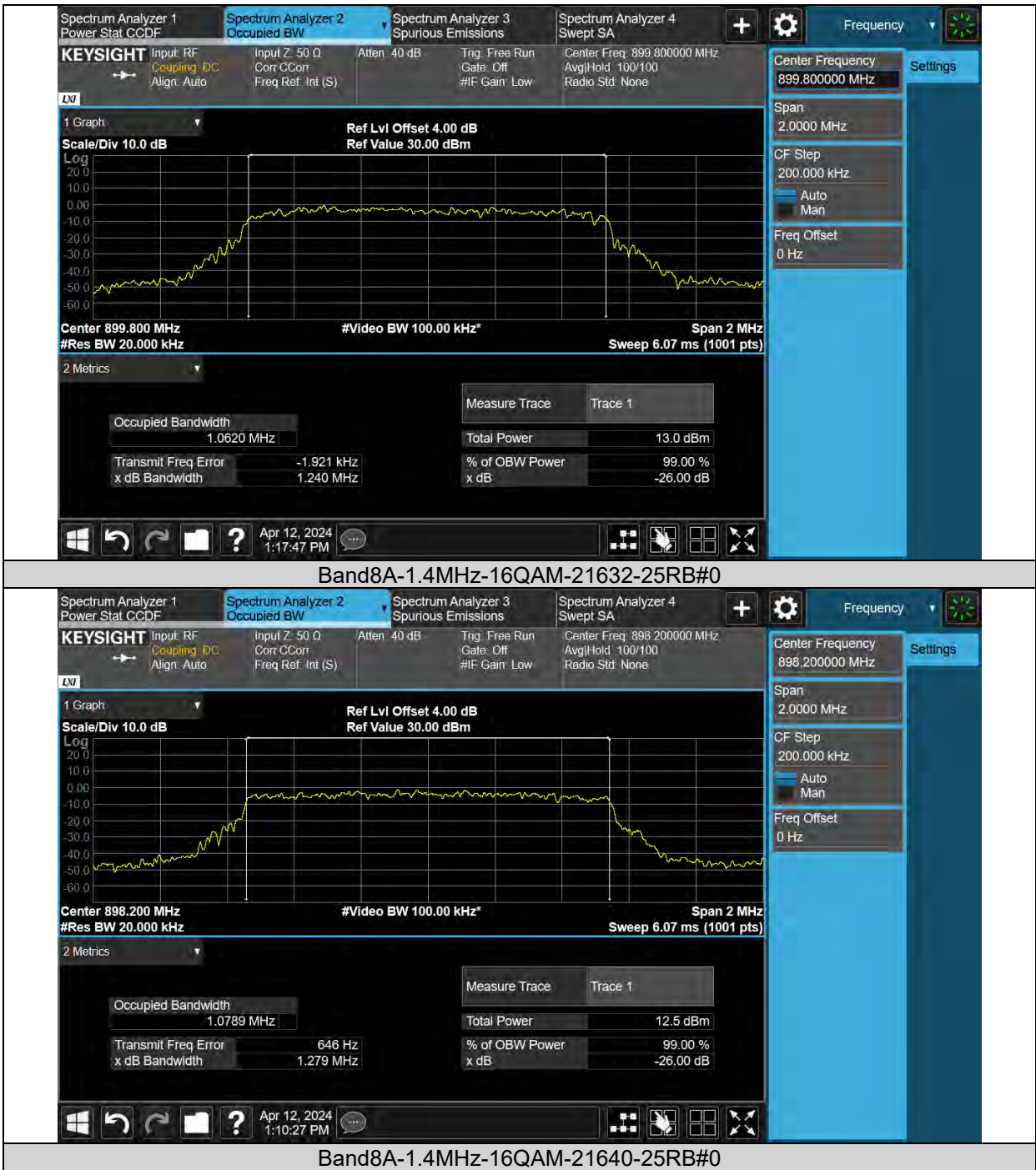
Test Graphs

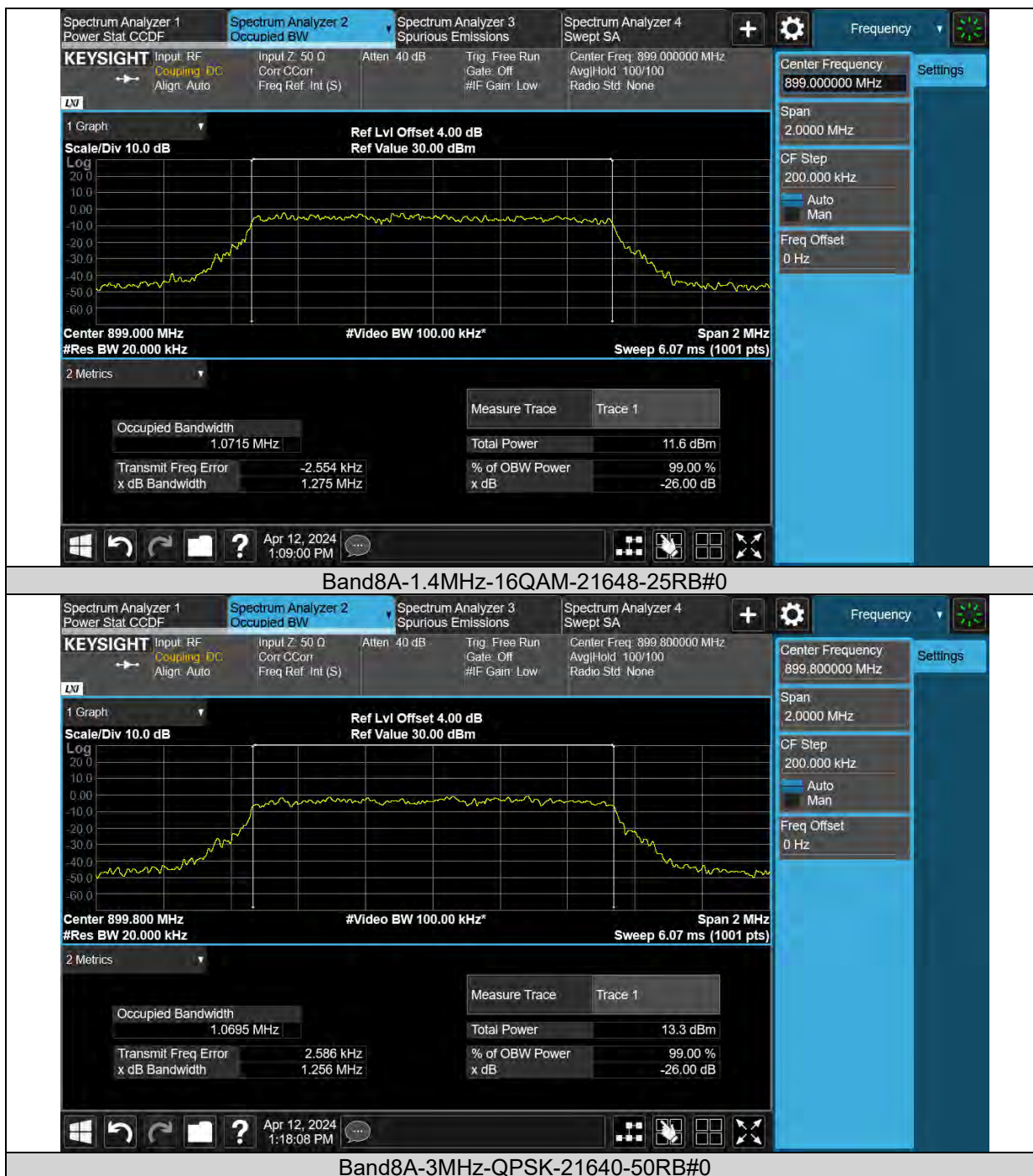




BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03







BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03

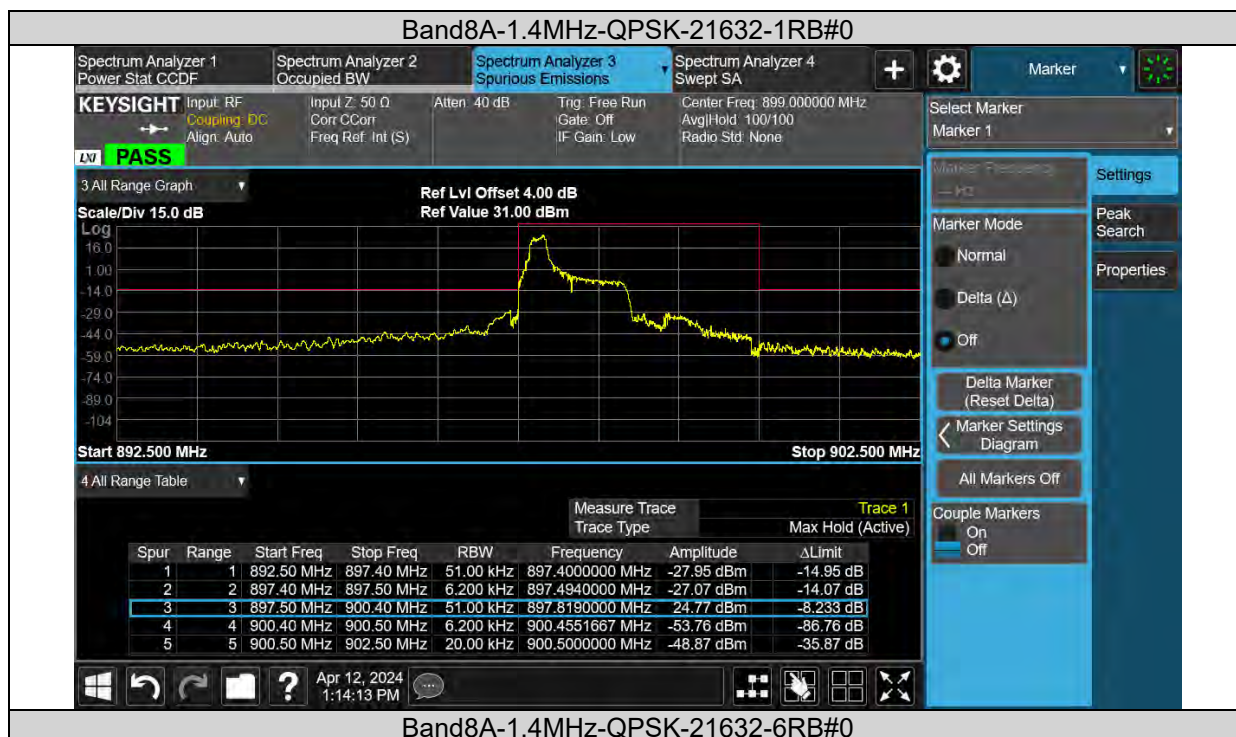


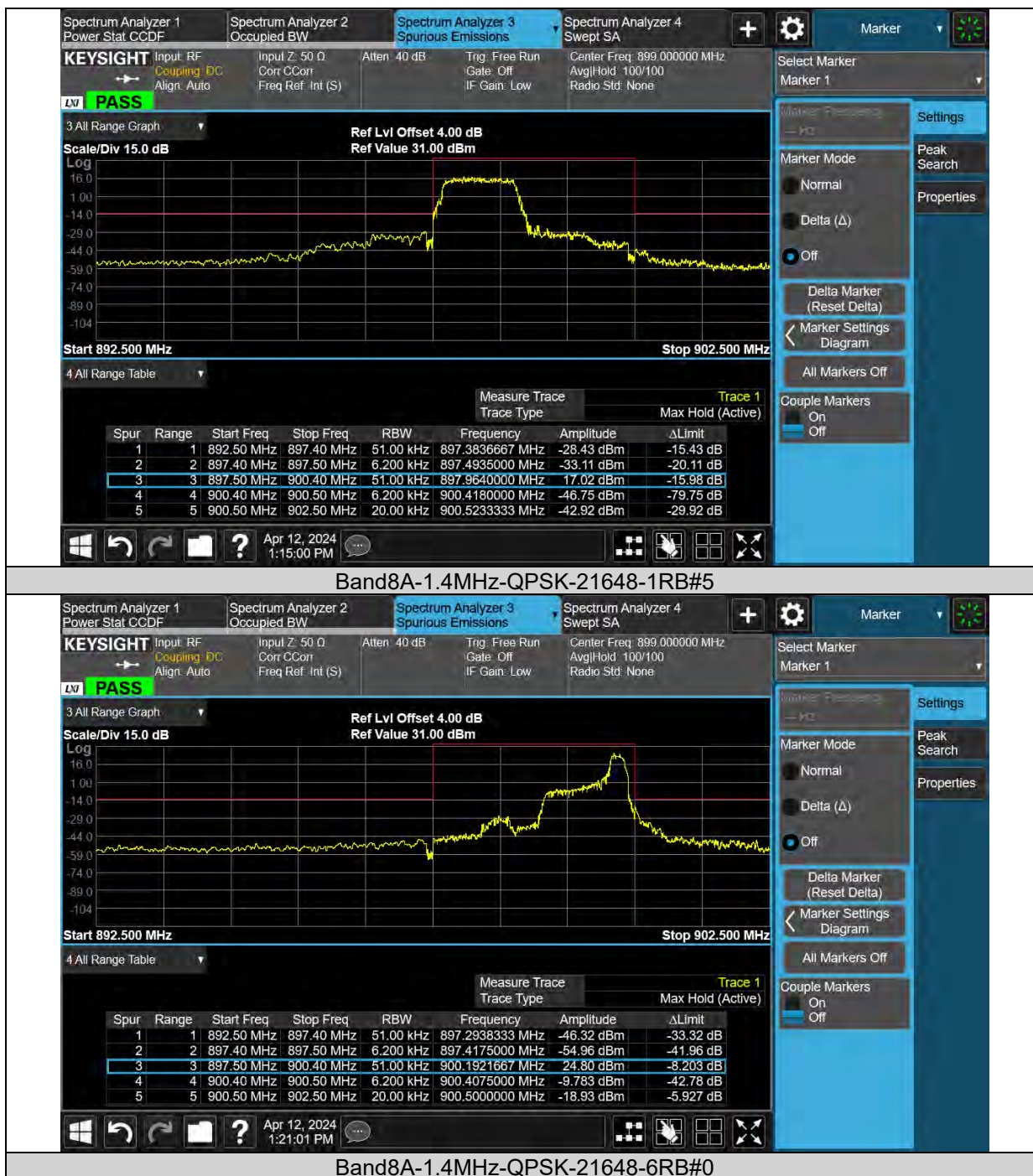
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band8A	1.4MHz	QPSK	21632	1RB#0	See Graph	PASS
Band8A	1.4MHz	QPSK	21632	6RB#0	See Graph	PASS
Band8A	1.4MHz	QPSK	21648	1RB#5	See Graph	PASS
Band8A	1.4MHz	QPSK	21648	6RB#0	See Graph	PASS
Band8A	1.4MHz	16QAM	21632	1RB#0	See Graph	PASS
Band8A	1.4MHz	16QAM	21632	6RB#0	See Graph	PASS
Band8A	1.4MHz	16QAM	21648	1RB#5	See Graph	PASS
Band8A	1.4MHz	16QAM	21648	6RB#0	See Graph	PASS
Band8A	3MHz	QPSK	21640	1RB#0	See Graph	PASS
Band8A	3MHz	QPSK	21640	1RB#5	See Graph	PASS
Band8A	3MHz	QPSK	21640	6RB#0	See Graph	PASS
Band8A	3MHz	16QAM	21640	1RB#0	See Graph	PASS
Band8A	3MHz	16QAM	21640	1RB#5	See Graph	PASS
Band8A	3MHz	16QAM	21640	6RB#0	See Graph	PASS

Test Graphs

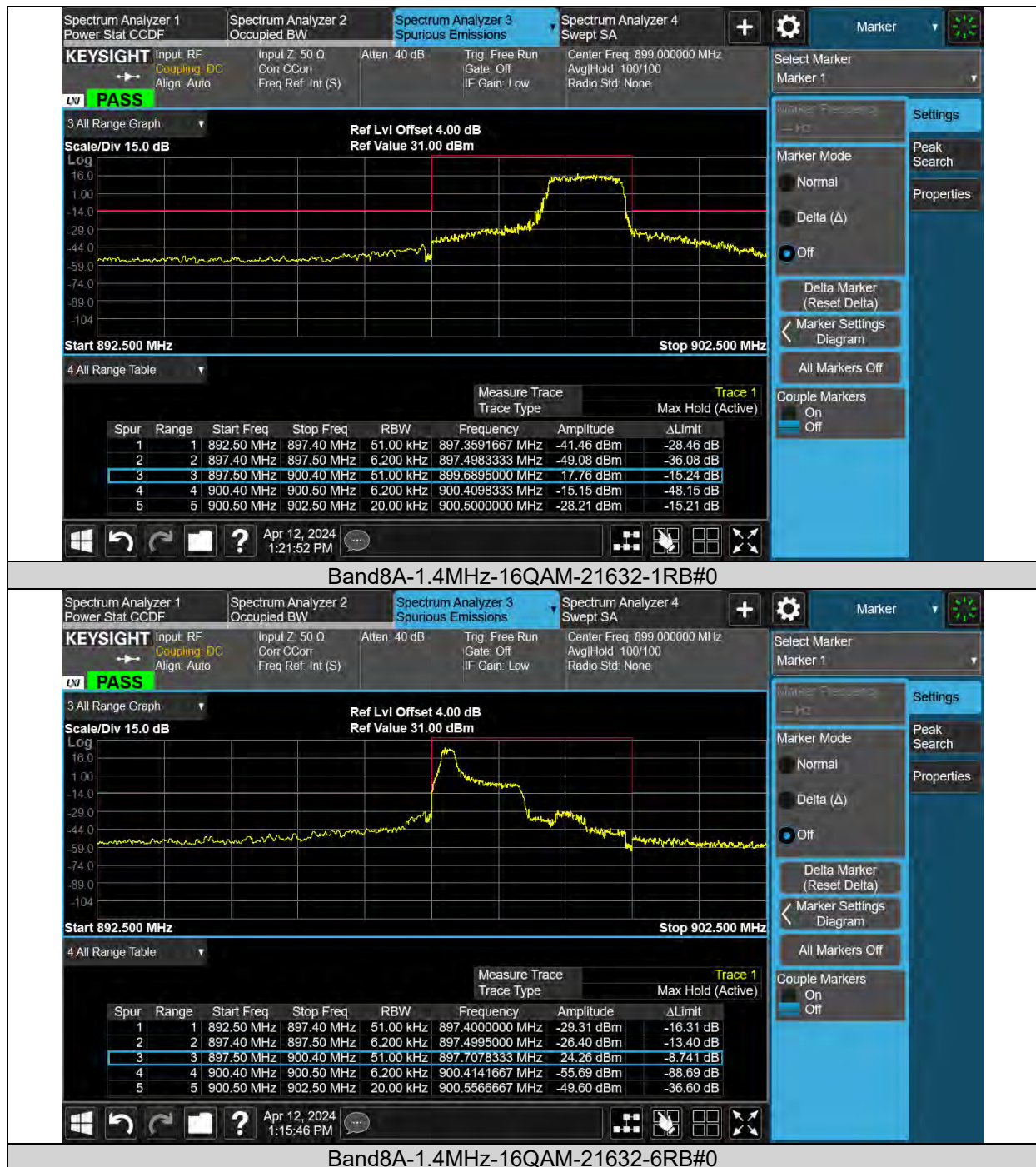






BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03





BUREAU
VERITAS

Test Report No.: W7L-240204W001RF03

