



BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	See Graph	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	See Graph	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	See Graph	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	See Graph	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	See Graph	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	See Graph	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	See Graph	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	See Graph	PASS
Band26	3MHz	QPSK	26705	1RB#0	See Graph	PASS
Band26	3MHz	QPSK	26705	6RB#0	See Graph	PASS
Band26	3MHz	QPSK	26775	1RB#5	See Graph	PASS
Band26	3MHz	QPSK	26775	6RB#0	See Graph	PASS
Band26	3MHz	16QAM	26705	1RB#0	See Graph	PASS
Band26	3MHz	16QAM	26705	6RB#0	See Graph	PASS
Band26	3MHz	16QAM	26775	1RB#5	See Graph	PASS
Band26	3MHz	16QAM	26775	6RB#0	See Graph	PASS
Band26	5MHz	QPSK	26715	1RB#0	See Graph	PASS
Band26	5MHz	QPSK	26715	6RB#0	See Graph	PASS
Band26	5MHz	QPSK	26765	1RB#5	See Graph	PASS
Band26	5MHz	QPSK	26765	6RB#0	See Graph	PASS
Band26	5MHz	16QAM	26715	1RB#0	See Graph	PASS
Band26	5MHz	16QAM	26715	6RB#0	See Graph	PASS
Band26	5MHz	16QAM	26765	1RB#5	See Graph	PASS
Band26	5MHz	16QAM	26765	6RB#0	See Graph	PASS
Band26	10MHz	QPSK	26740	1RB#0	See Graph	PASS
Band26	10MHz	QPSK	26740	1RB#5	See Graph	PASS
Band26	10MHz	QPSK	26740	6RB#0	See Graph	PASS
Band26	10MHz	16QAM	26740	1RB#0	See Graph	PASS
Band26	10MHz	16QAM	26740	1RB#5	See Graph	PASS
Band26	10MHz	16QAM	26740	6RB#0	See Graph	PASS

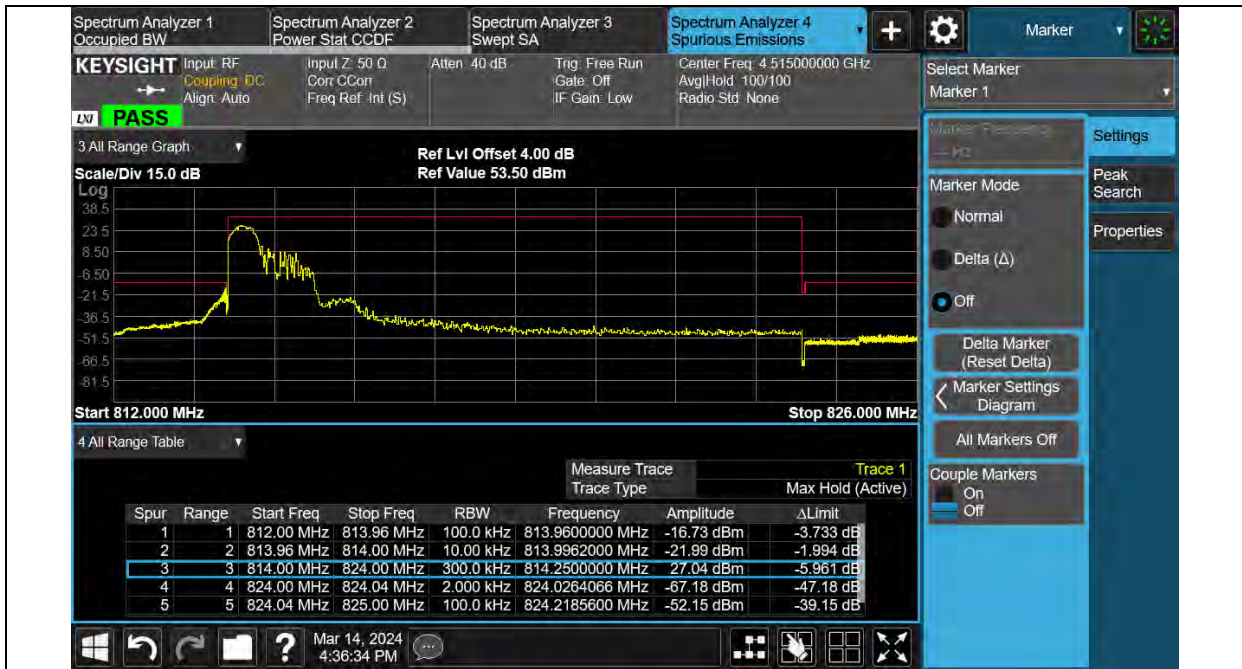
Test Graphs

Band26-1.4MHz-QPSK-26697-1RB#0

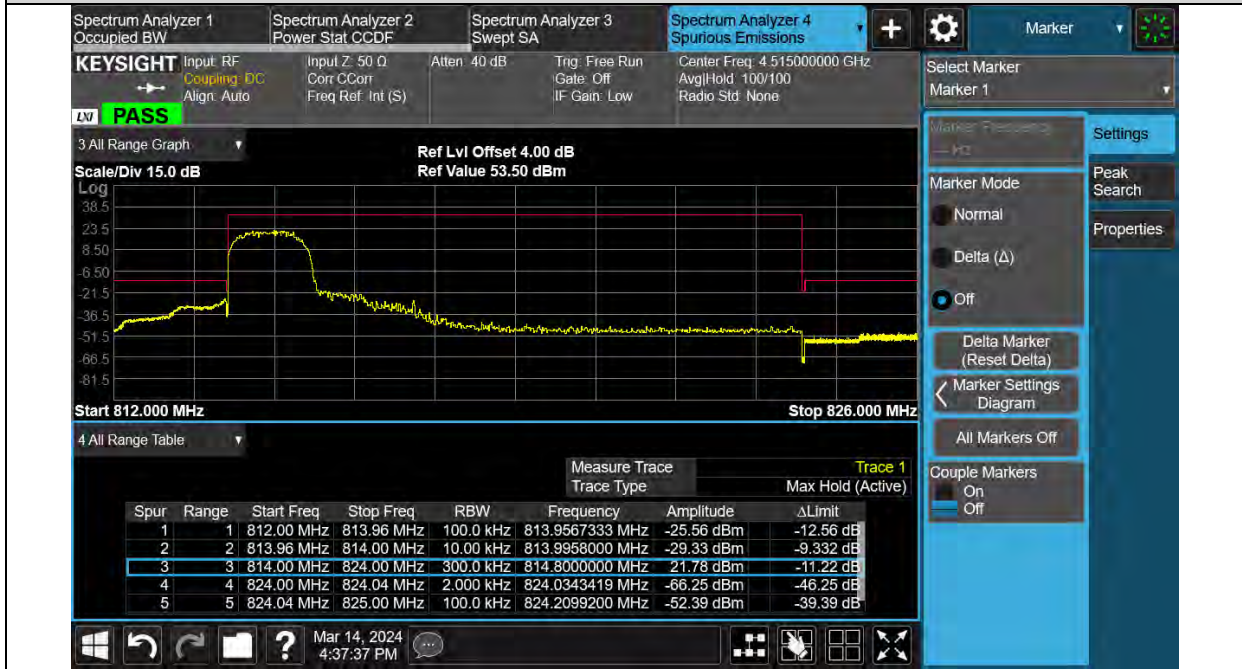


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VERITAS

Test Report No.: W7L-240204W001RF05



Band26-1.4MHz-QPSK-26697-6RB#0

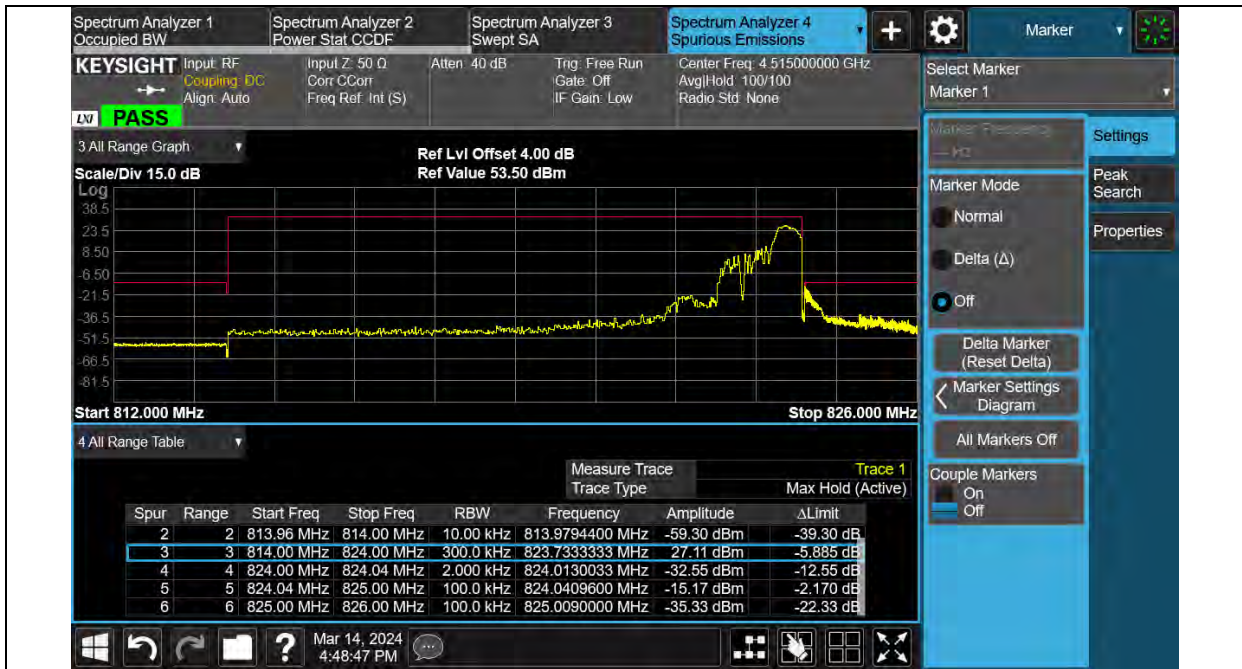


Band26-1.4MHz-QPSK-26783-1RB#5

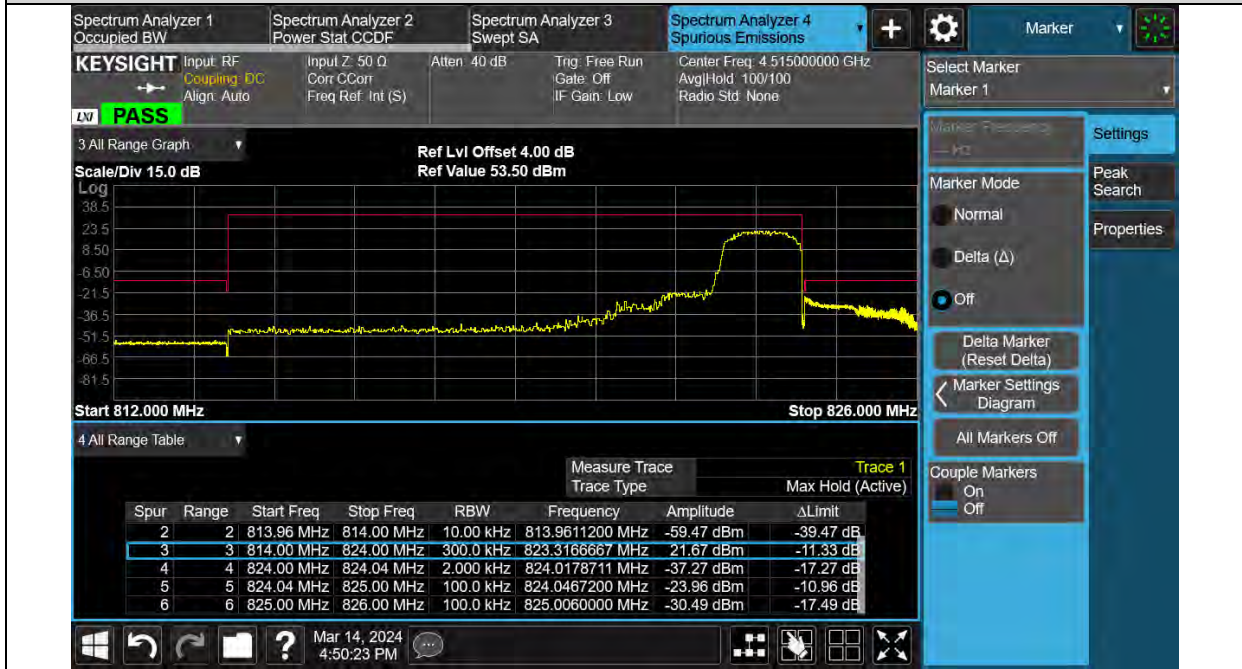


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Test Report No.: W7L-240204W001RF05



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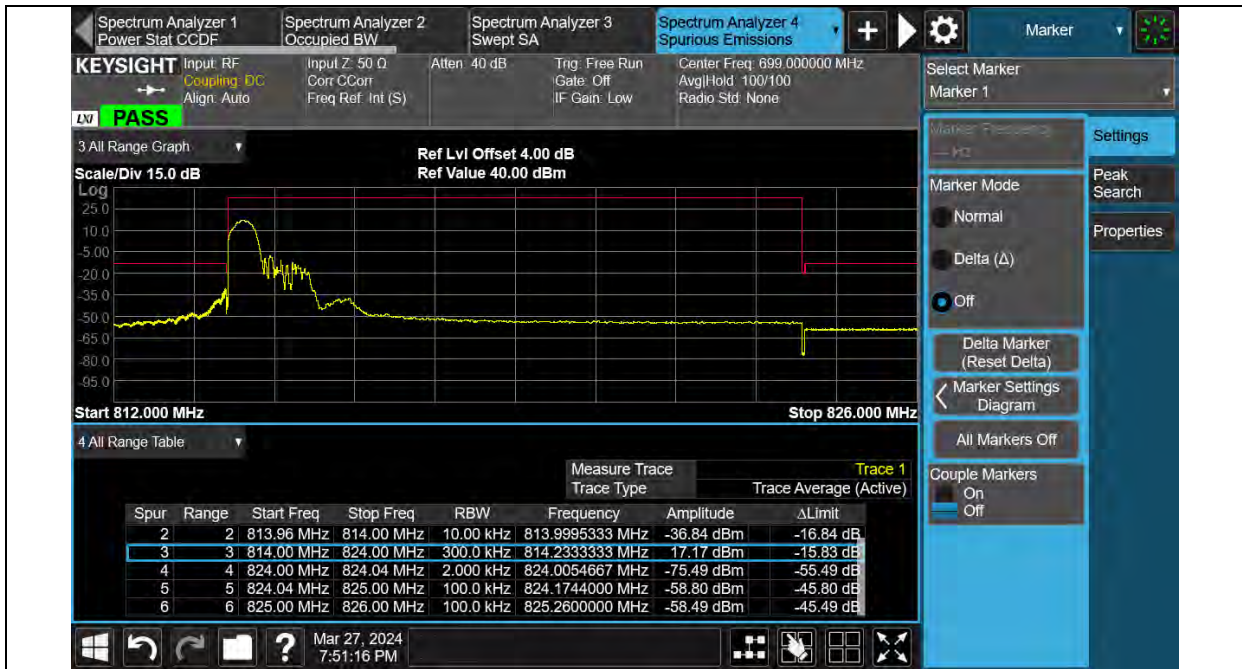


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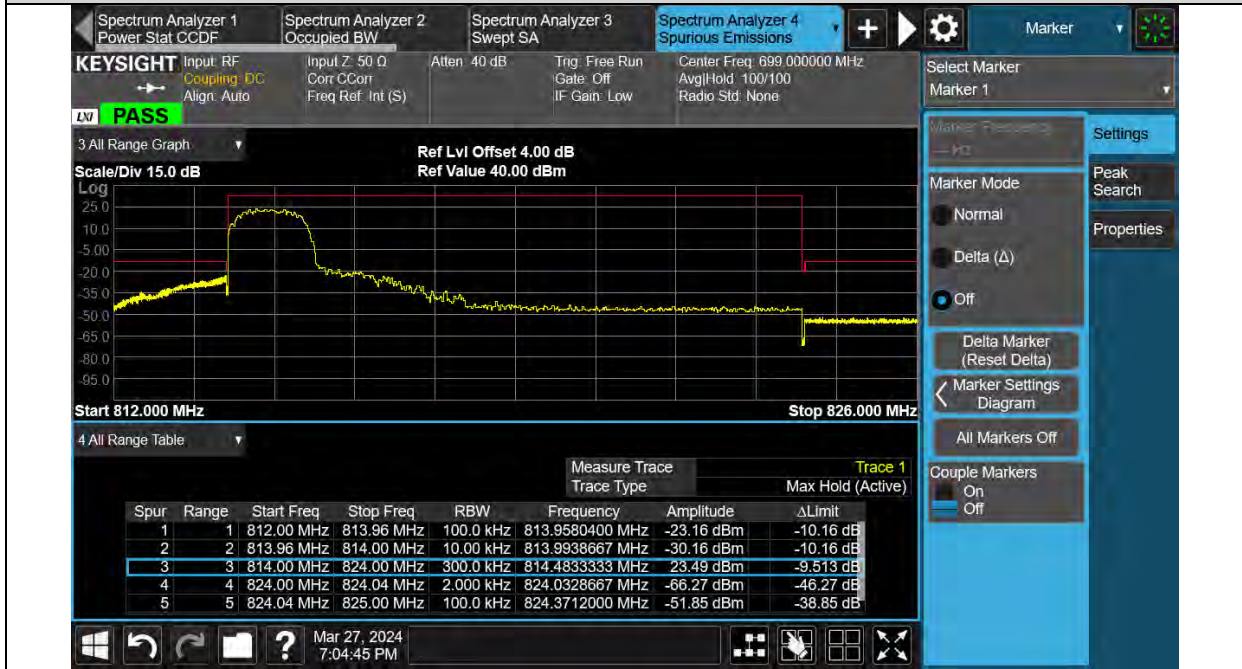


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Test Report No.: W7L-240204W001RF05



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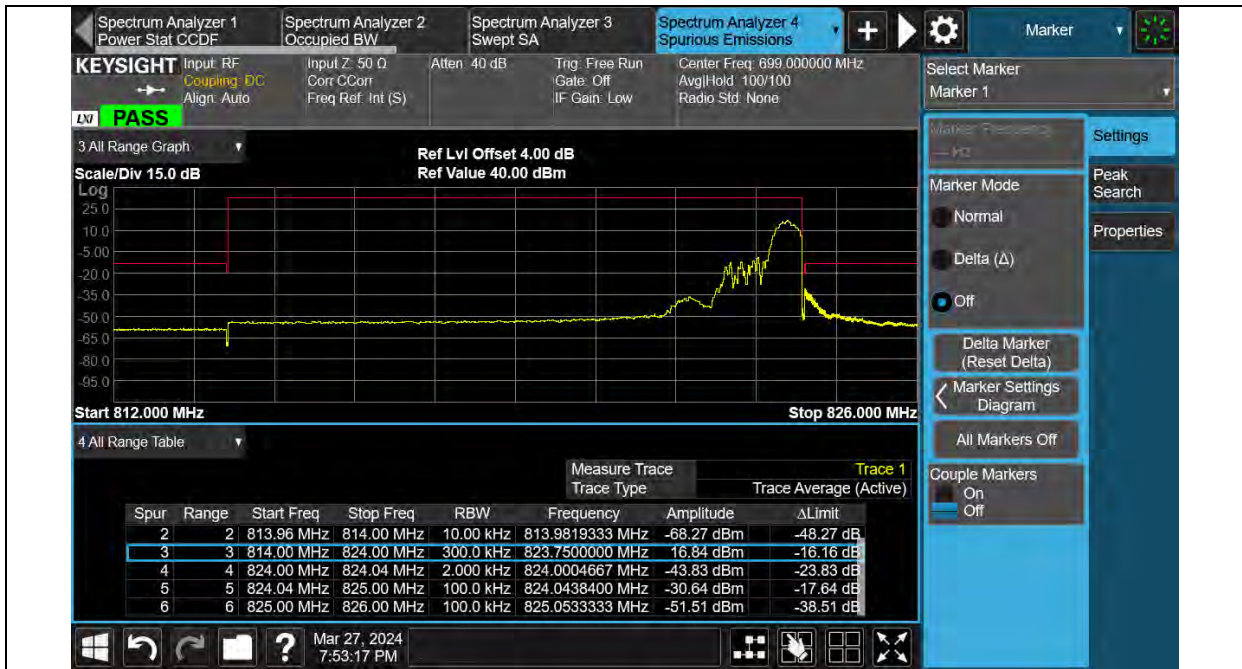


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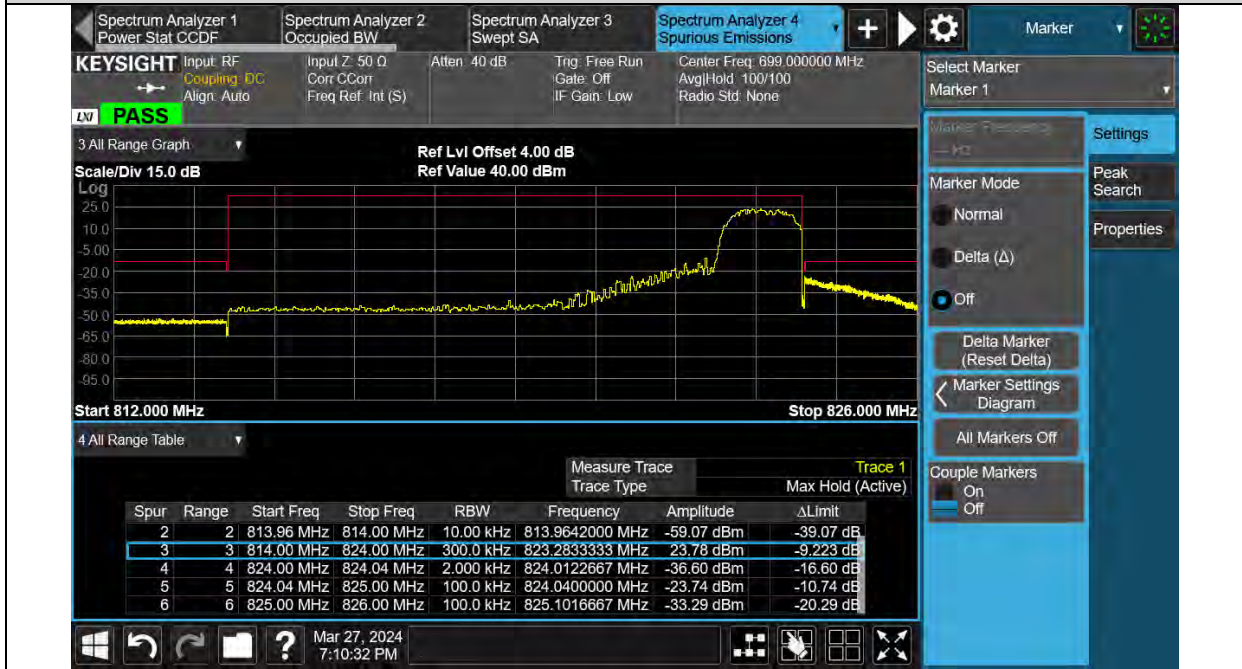


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Test Report No.: W7L-240204W001RF05



Band26-1.4MHz-16QAM-26783-6RB#0

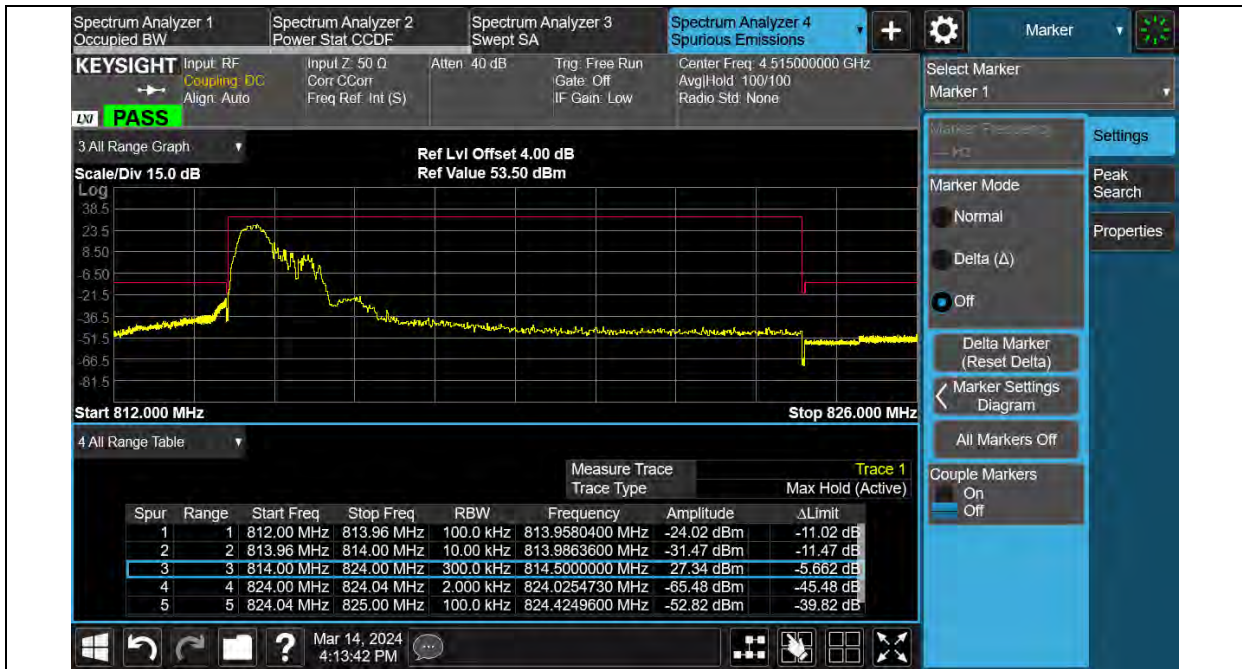


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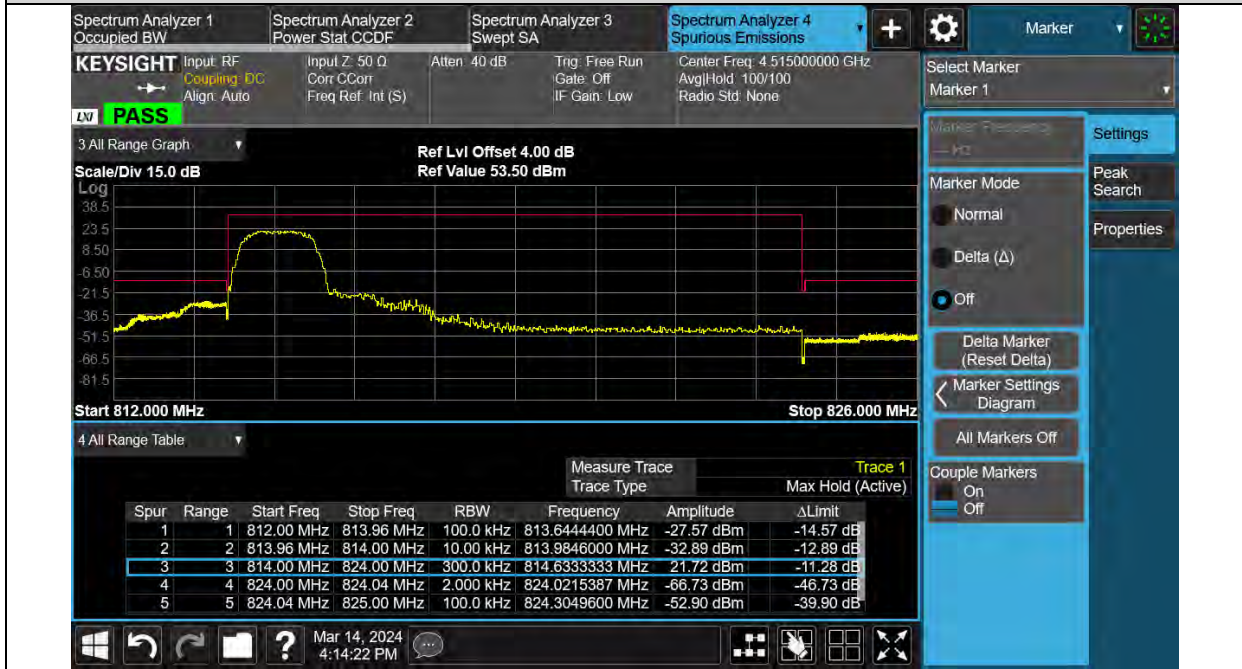


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Test Report No.: W7L-240204W001RF05



Band26-3MHz-QPSK-26705-6RB#0

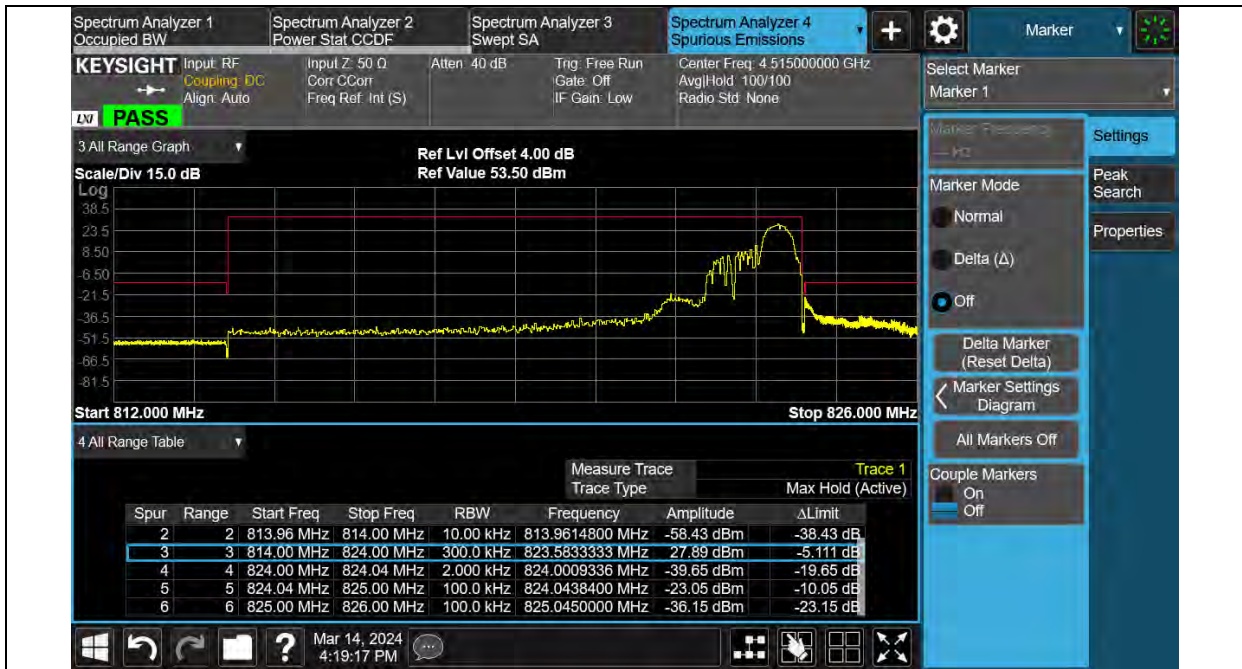


Band26-3MHz-QPSK-26775-1RB#5

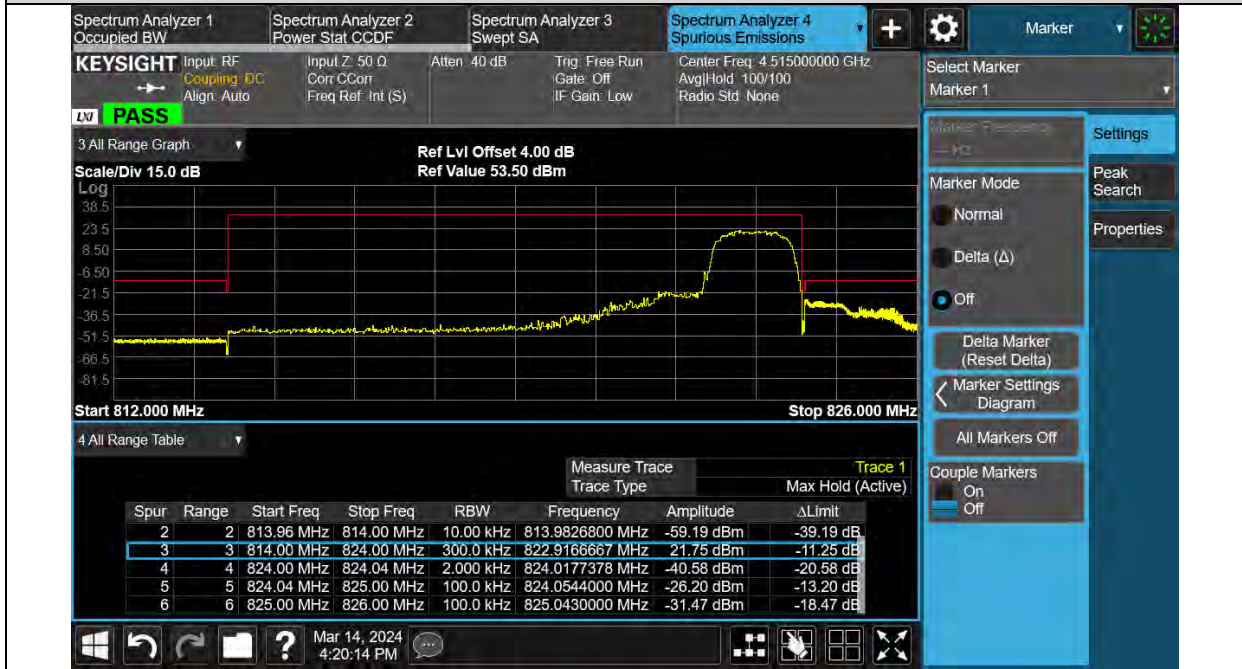


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Test Report No.: W7L-240204W001RF05



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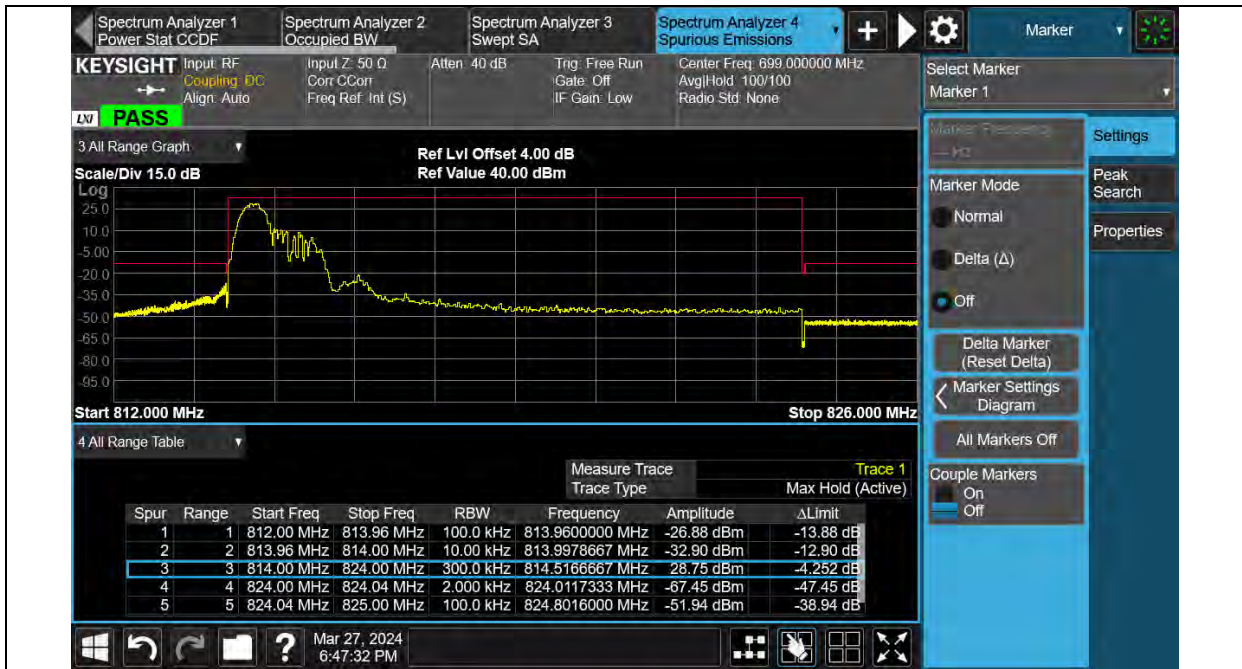


Band26-3MHz-16QAM-26705-1RB#0

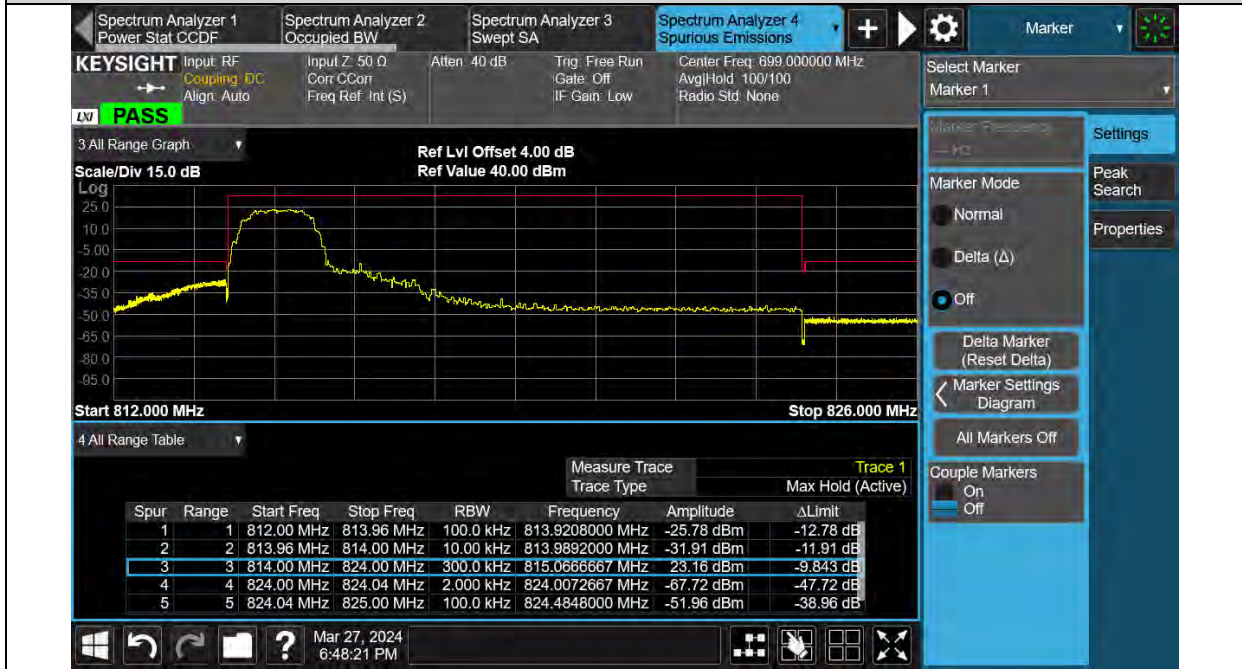


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Test Report No.: W7L-240204W001RF05



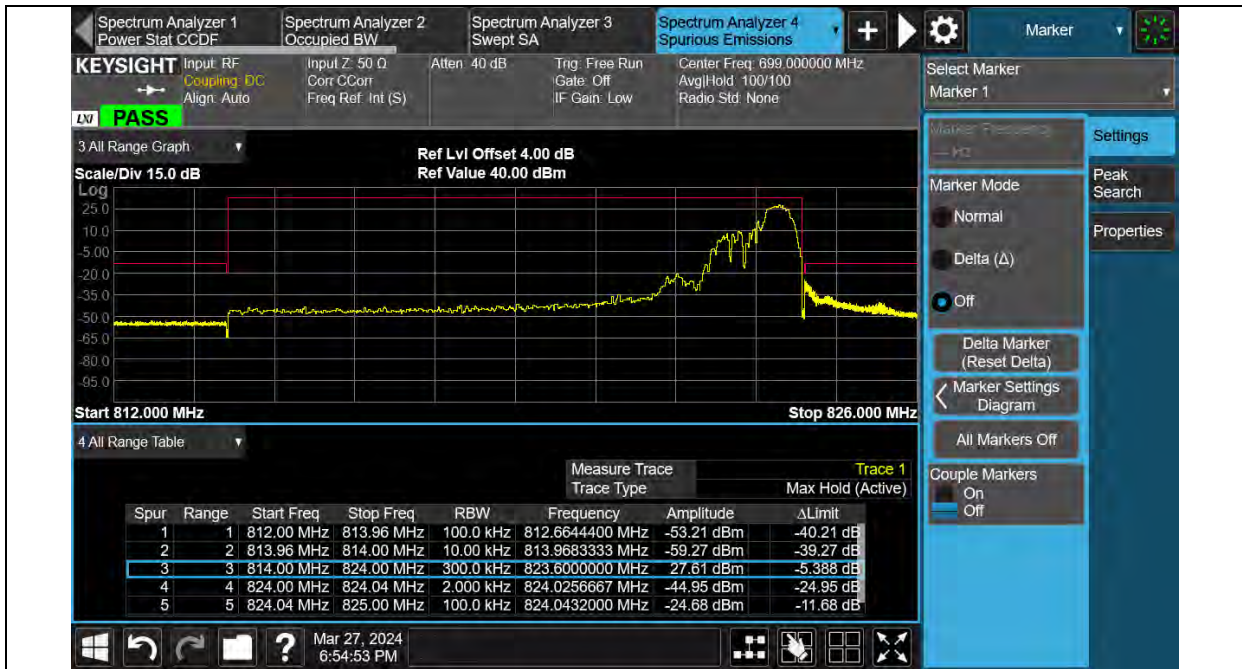
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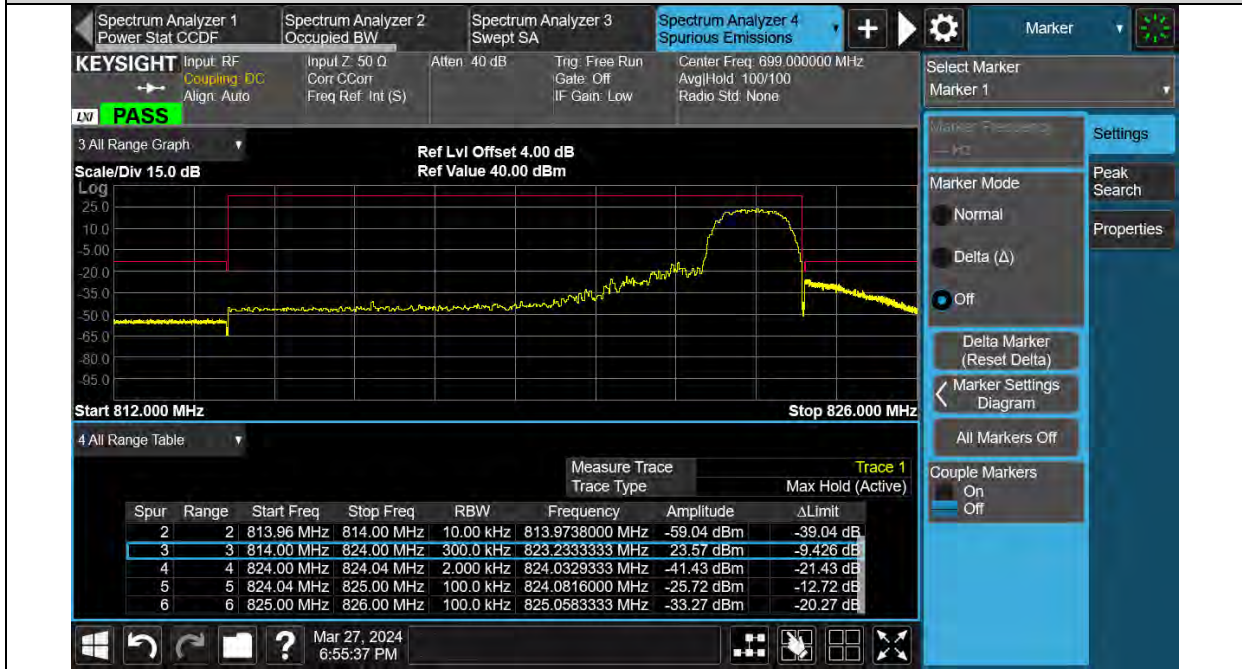
Band26-3MHz-16QAM-26775-1RB#5



Test Report No.: W7L-240204W001RF05



Band26-3MHz-16QAM-26775-6RB#0

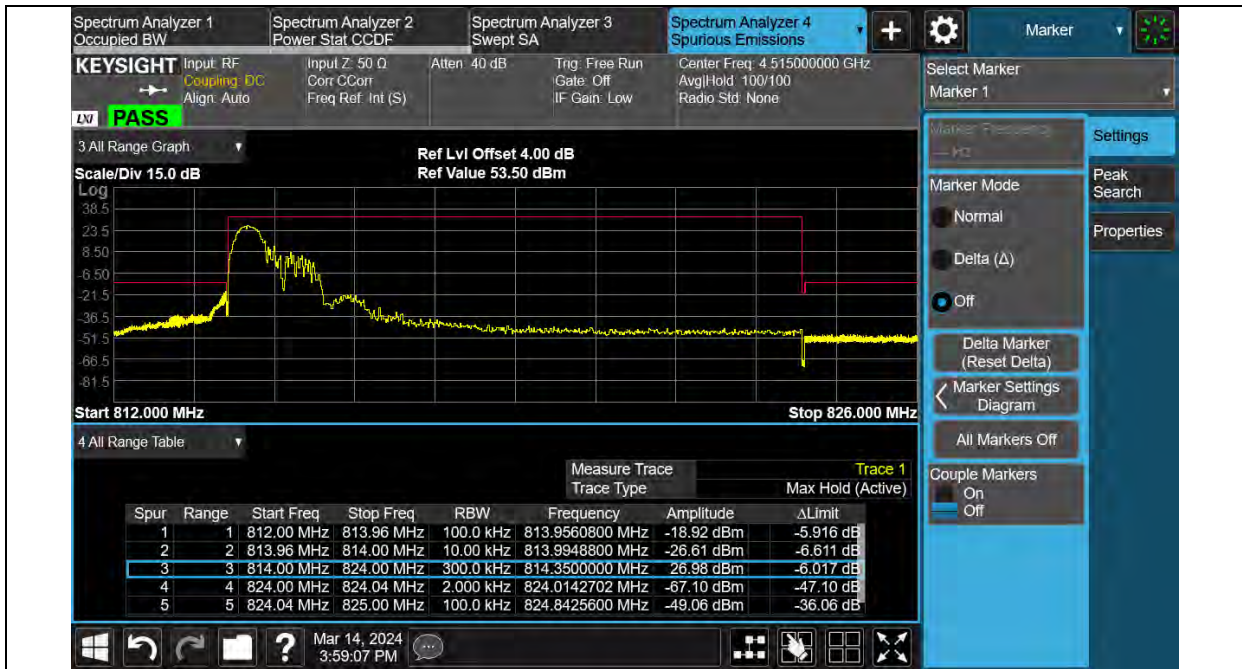


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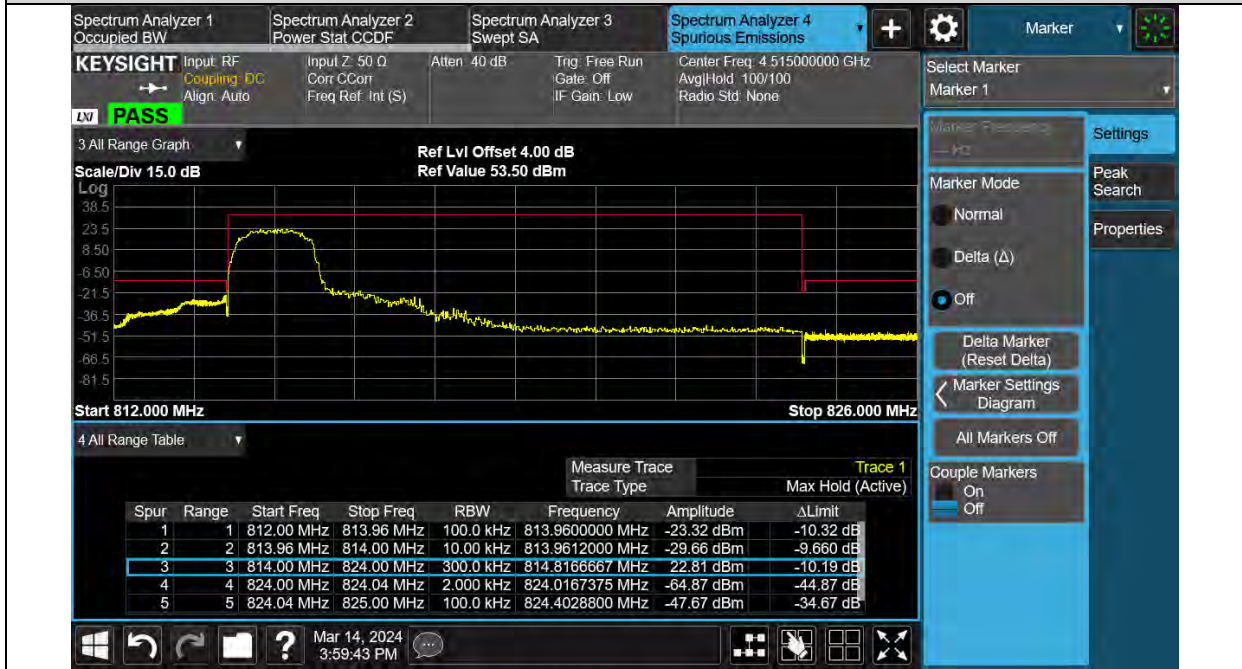


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Test Report No.: W7L-240204W001RF05



Band26-5MHz-QPSK-26715-6RB#0

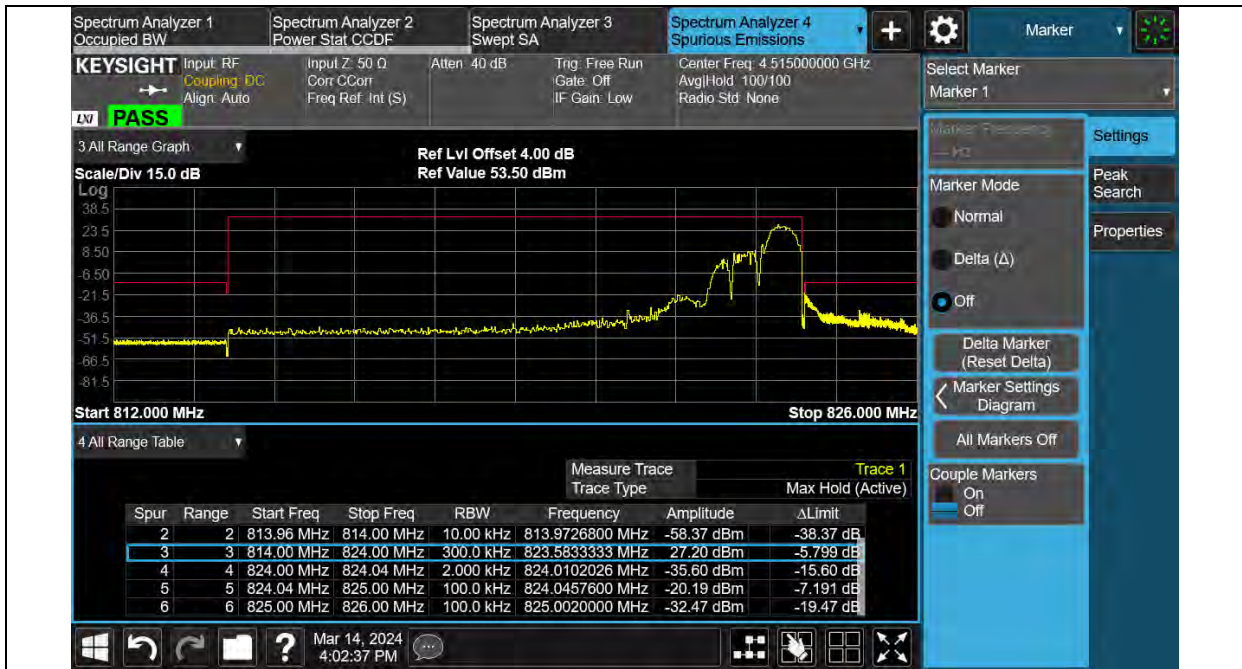


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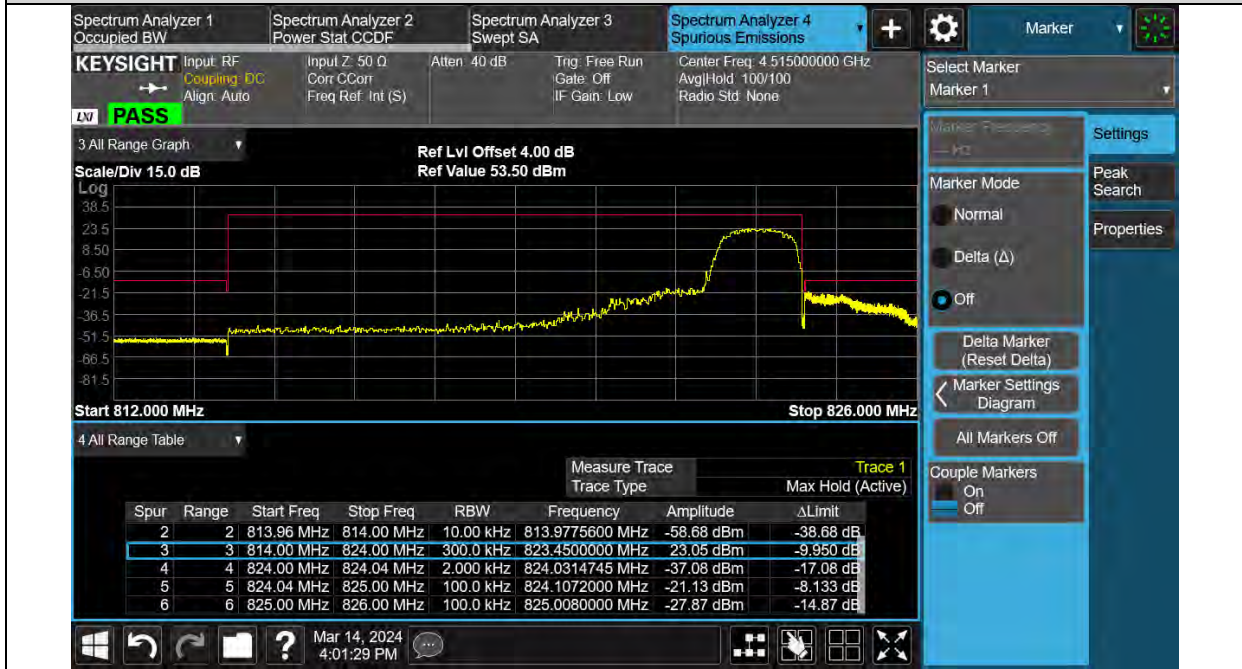


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Test Report No.: W7L-240204W001RF05



Band26-5MHz-QPSK-26765-6RB#0

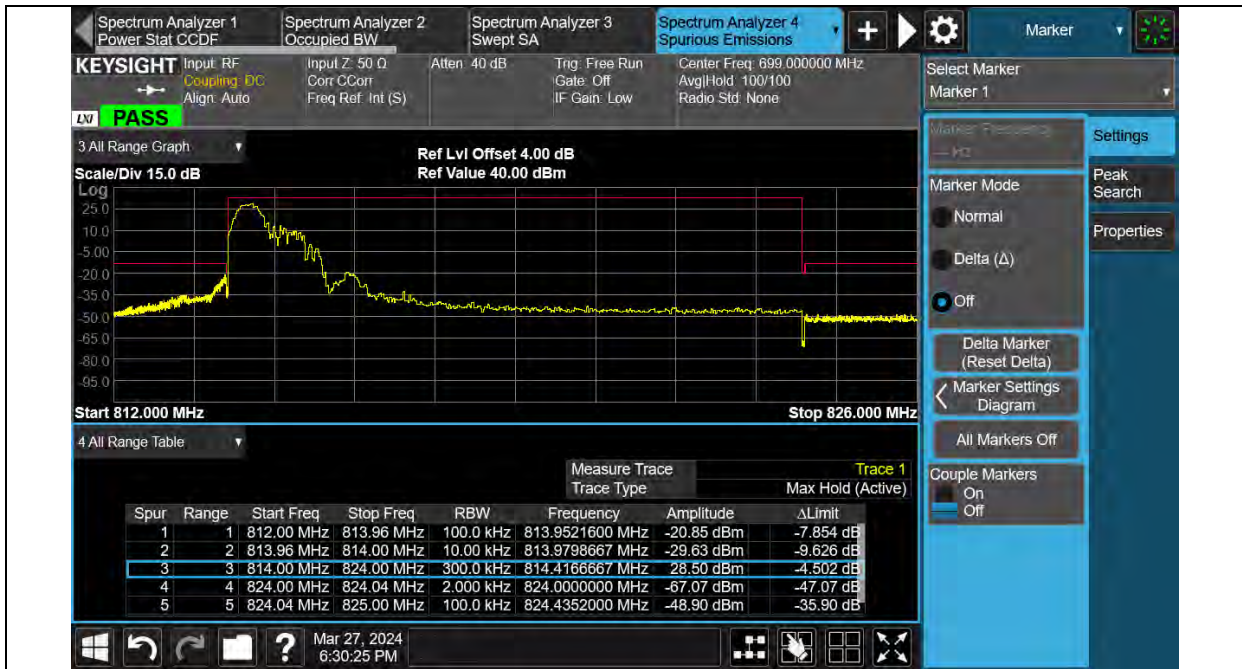


Band26-5MHz-16QAM-26715-1RB#0

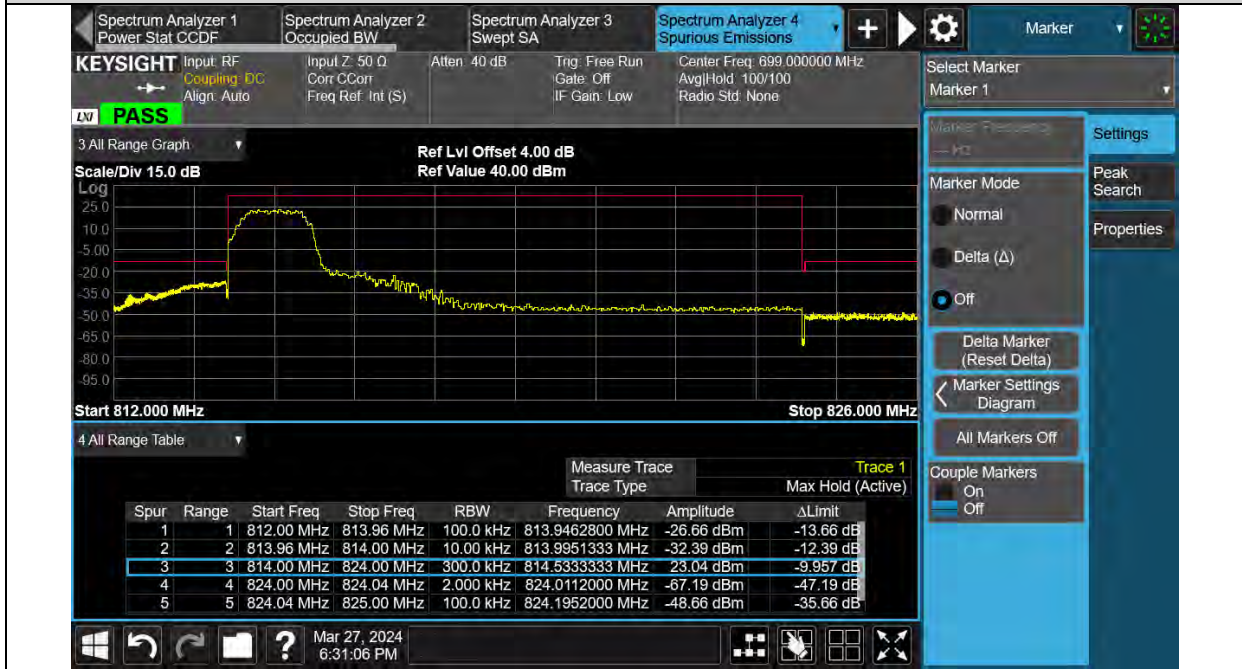


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Test Report No.: W7L-240204W001RF05



Band26-5MHz-16QAM-26715-6RB#0

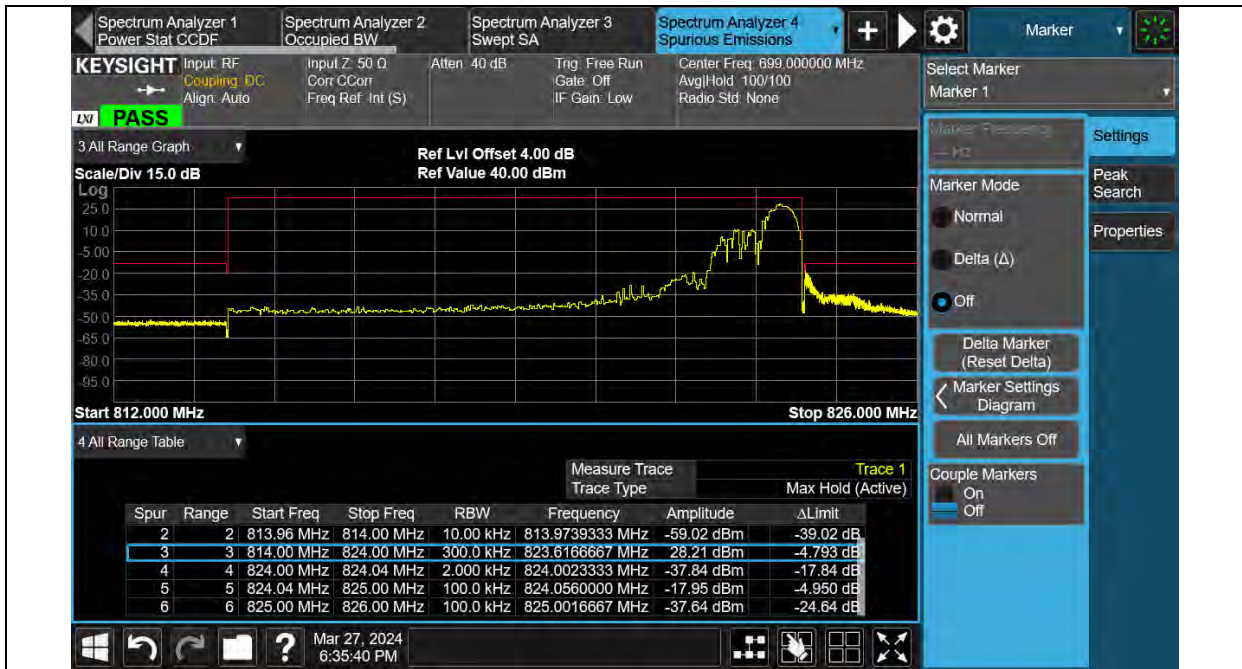


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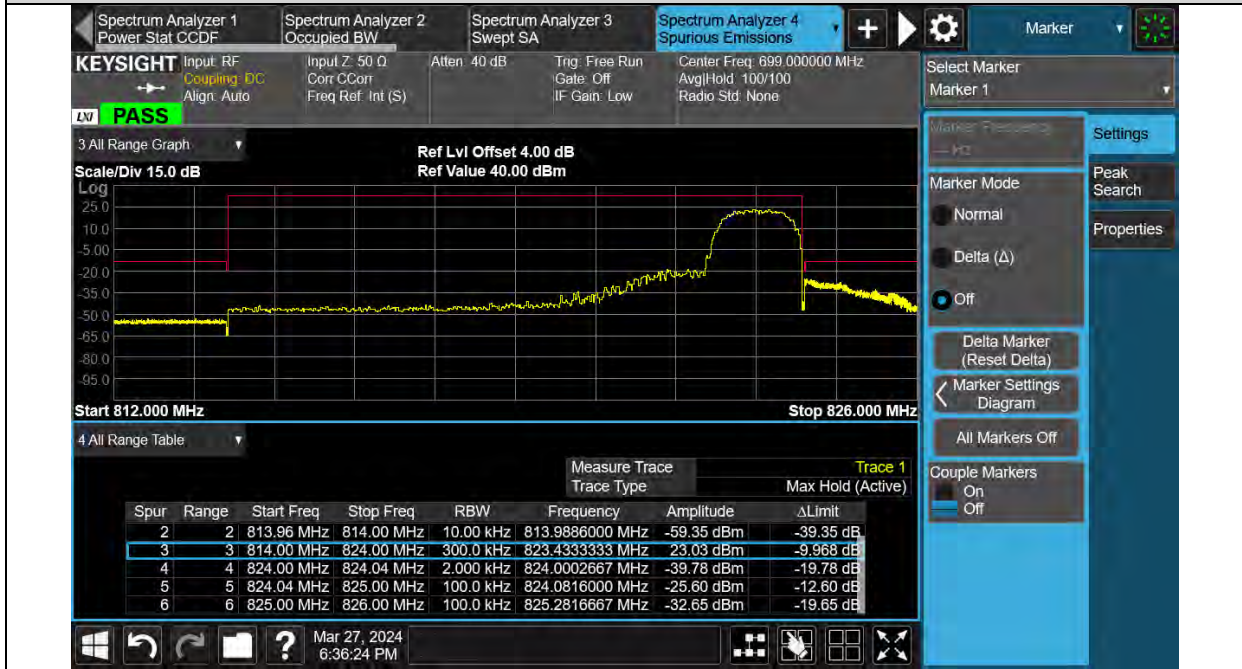


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Test Report No.: W7L-240204W001RF05



Band26-5MHz-16QAM-26765-6RB#0

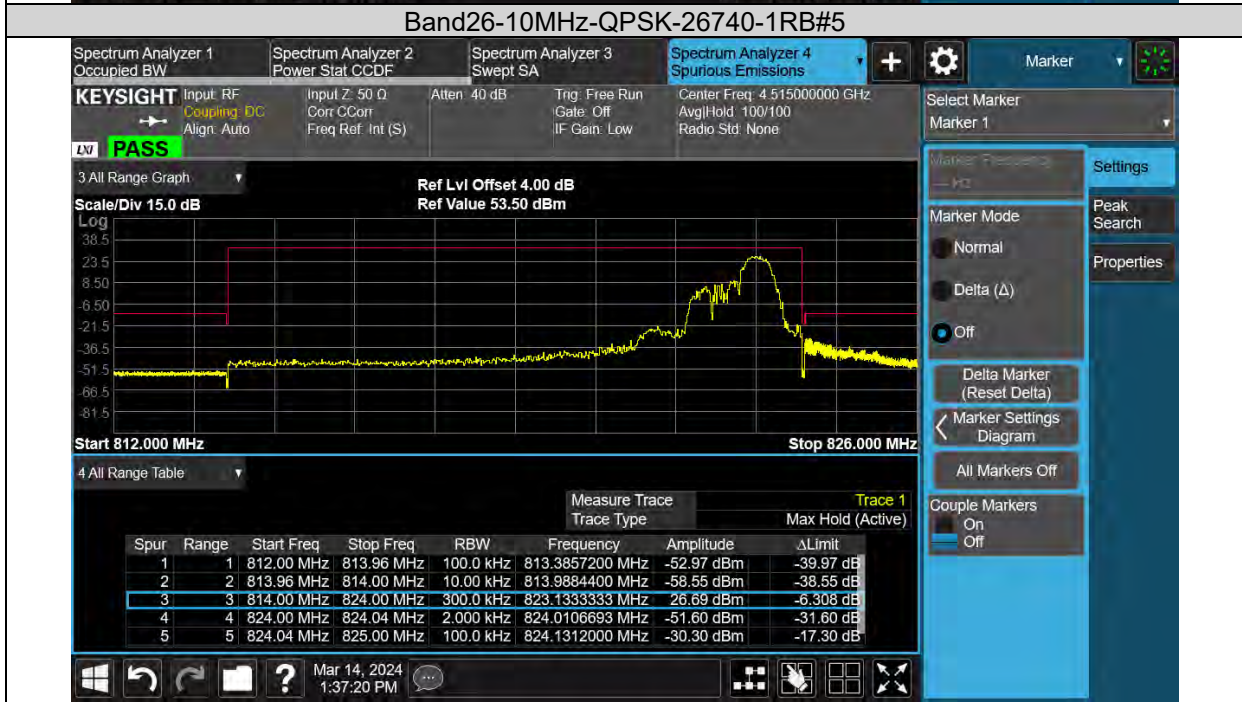
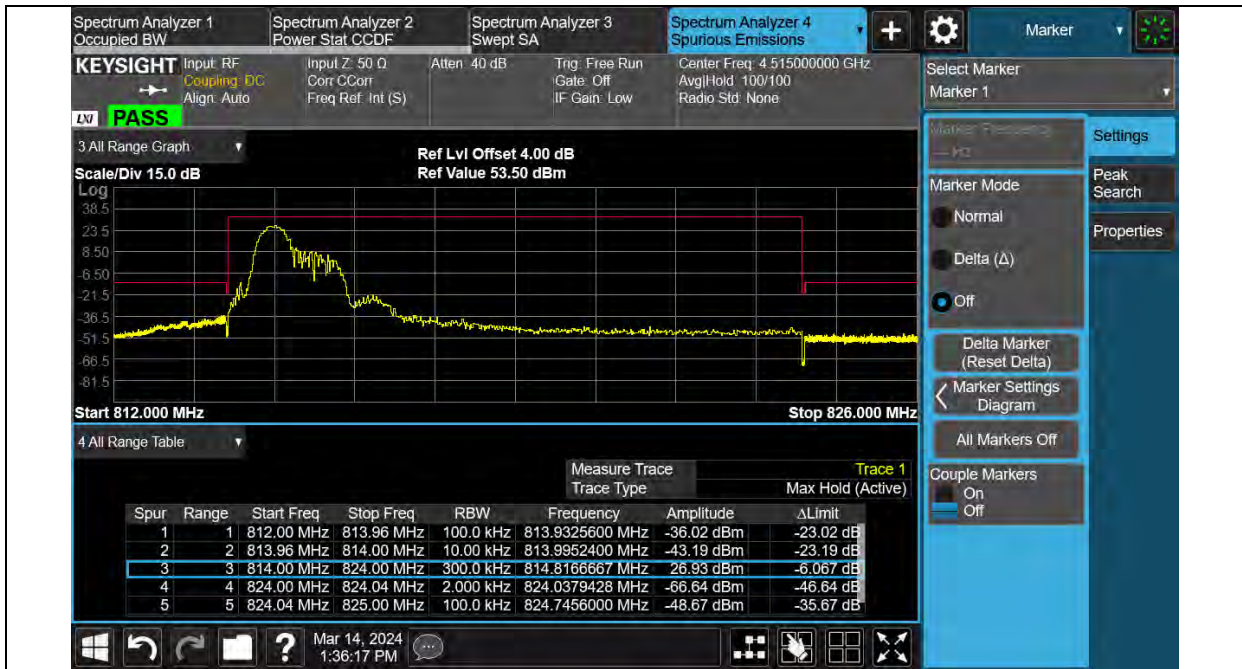


Band26-10MHz-QPSK-26740-1RB#0



BUREAU VERITAS

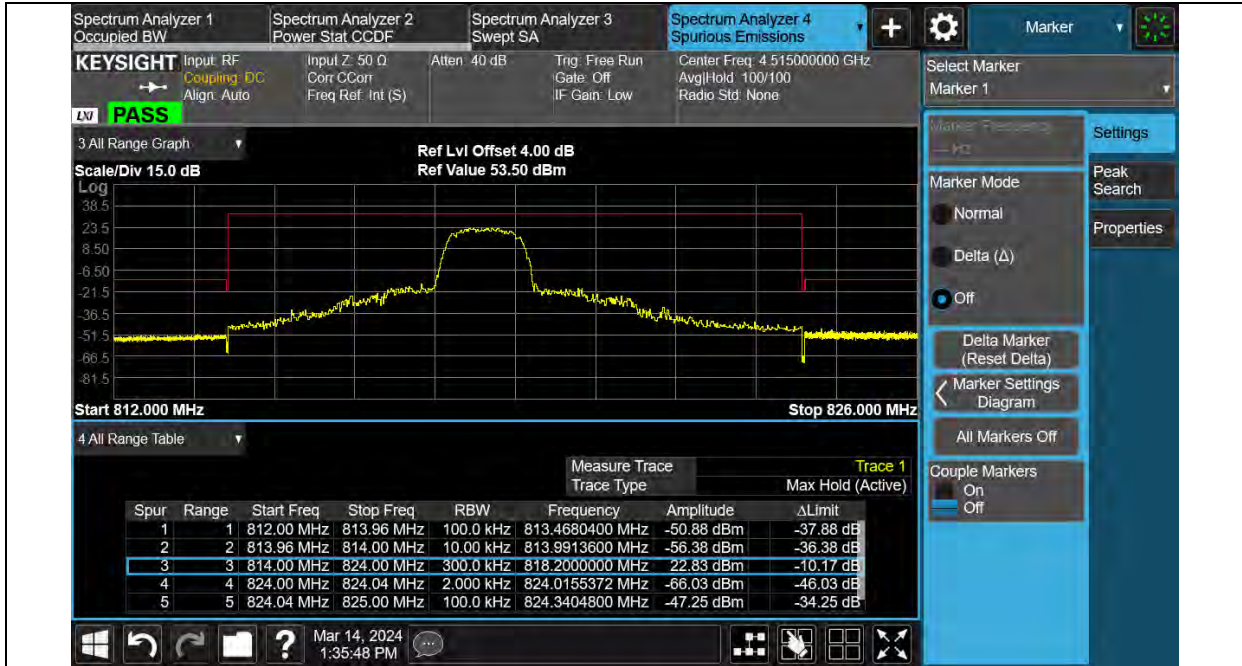
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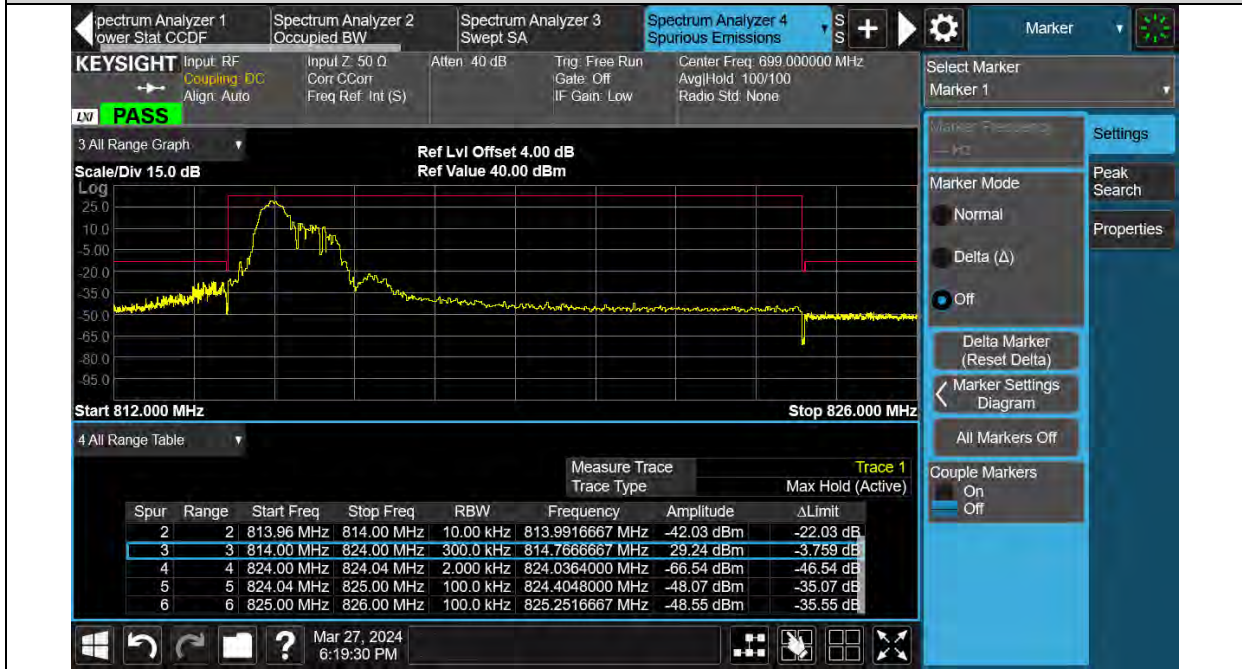


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-10MHz-16QAM-26740-1RB#0

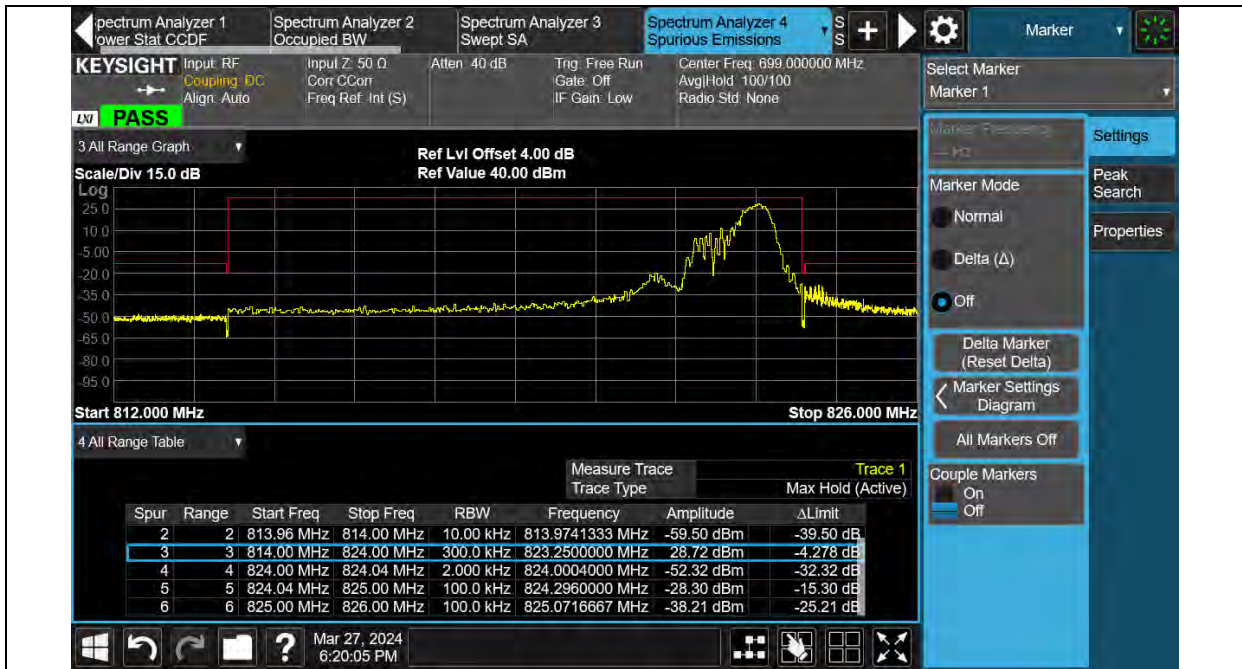


Band26-10MHz-16QAM-26740-1RB#5

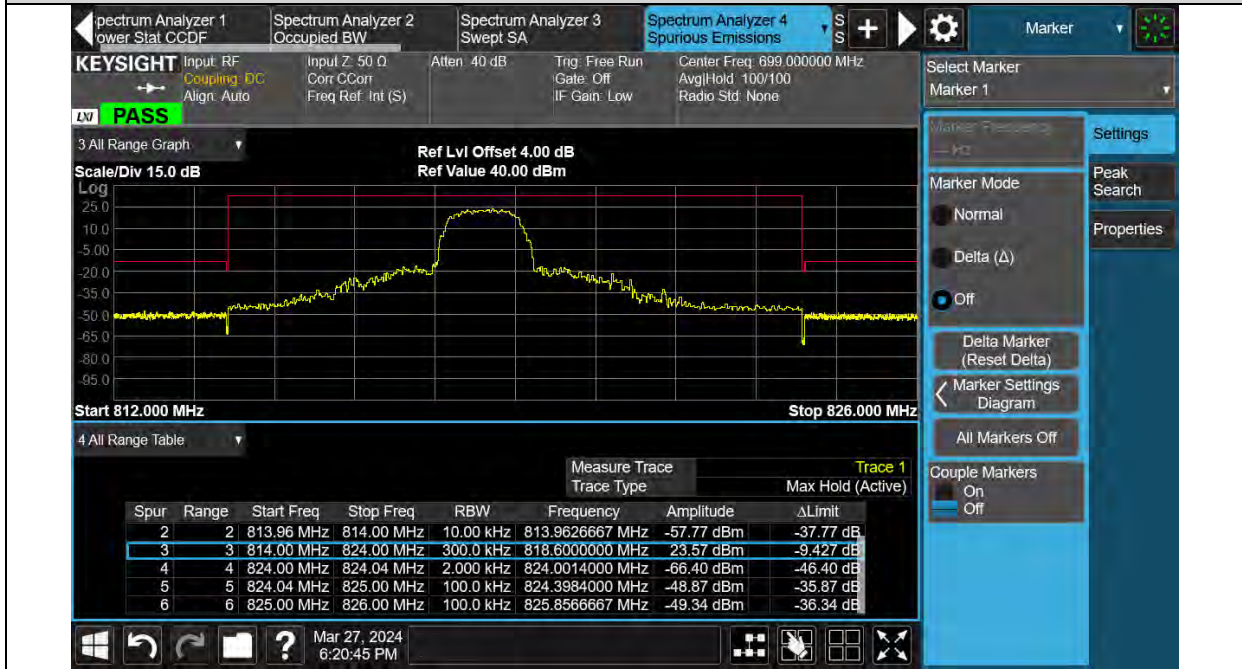


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Test Report No.: W7L-240204W001RF05



Band26-10MHz-16QAM-26740-6RB#0





Test Report No.: W7L-240204W001RF05

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

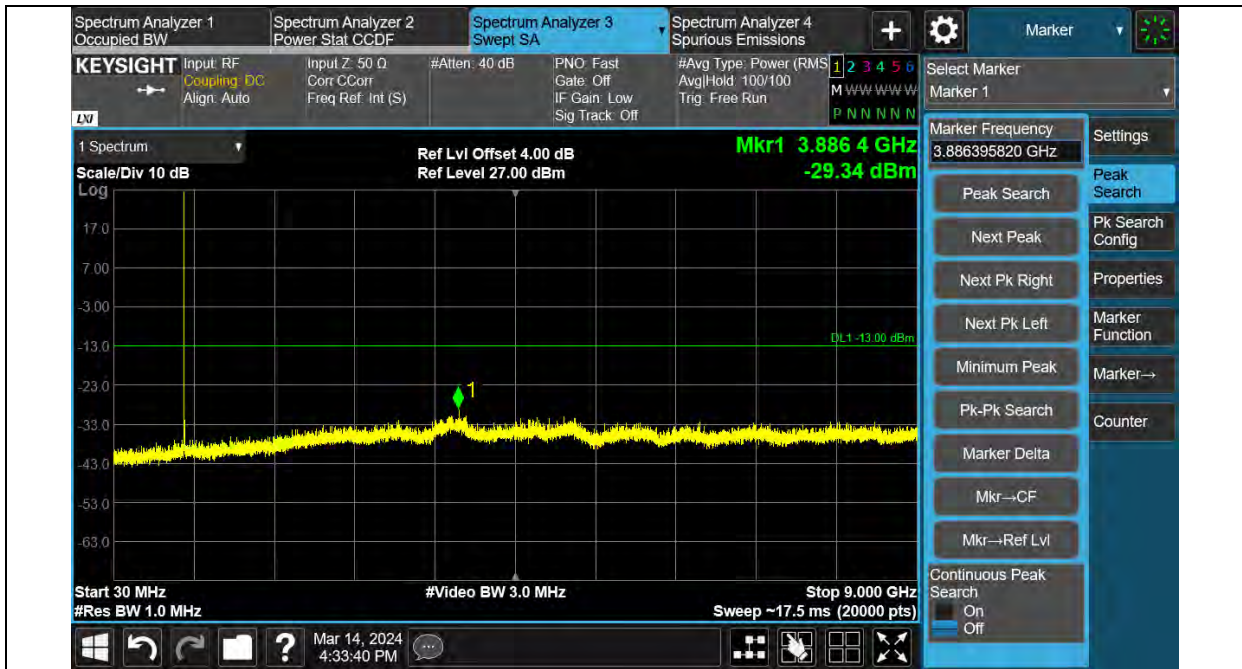
Test Graphs

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

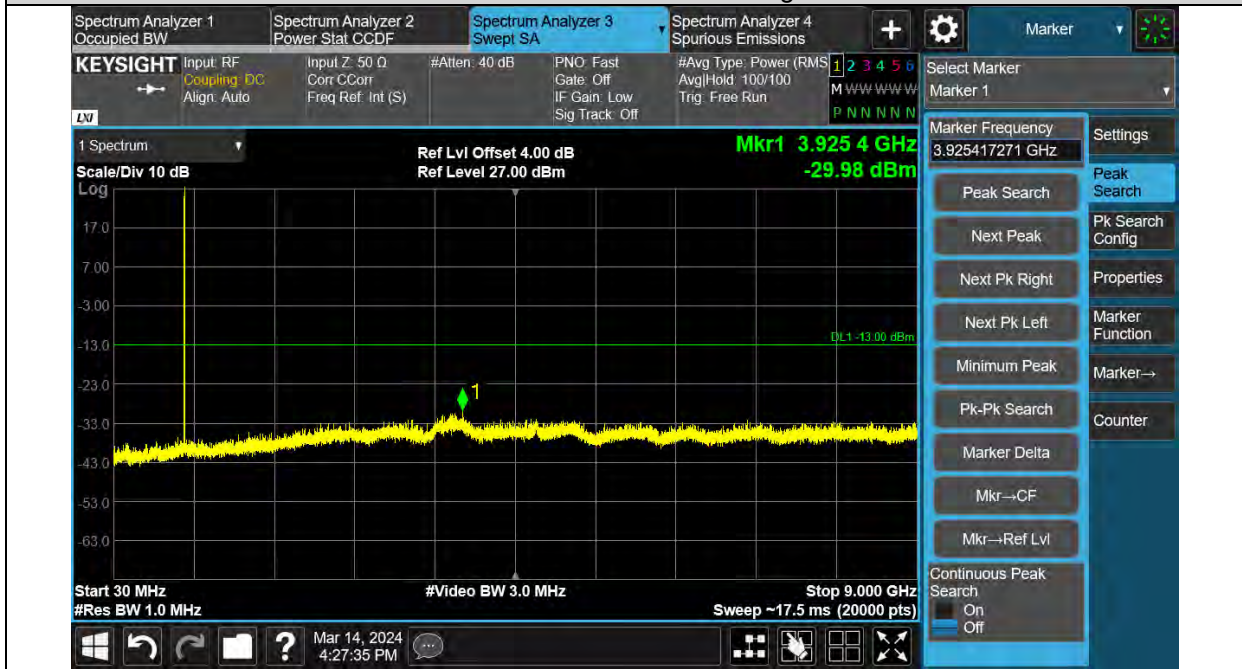


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Test Report No.: W7L-240204W001RF05



Band26-1.4MHz-QPSK-26740-1RB#0-Range:30~9000MHz

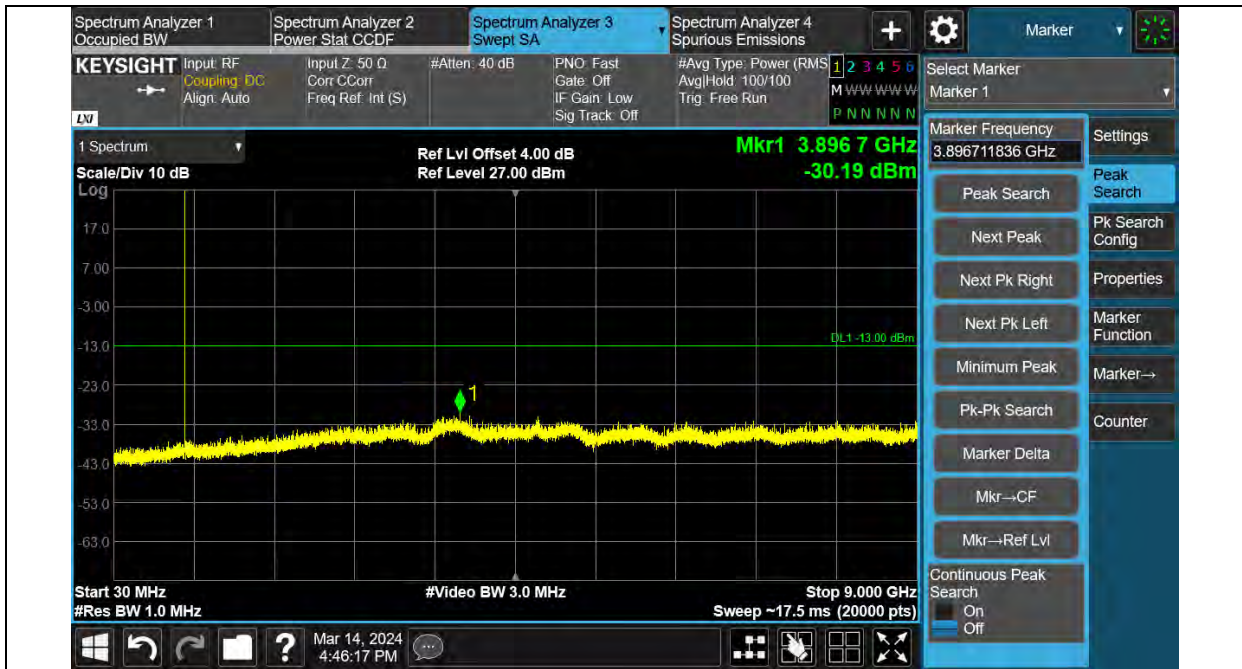


Band26-1.4MHz-QPSK-26783-1RB#0-Range:30~9000MHz

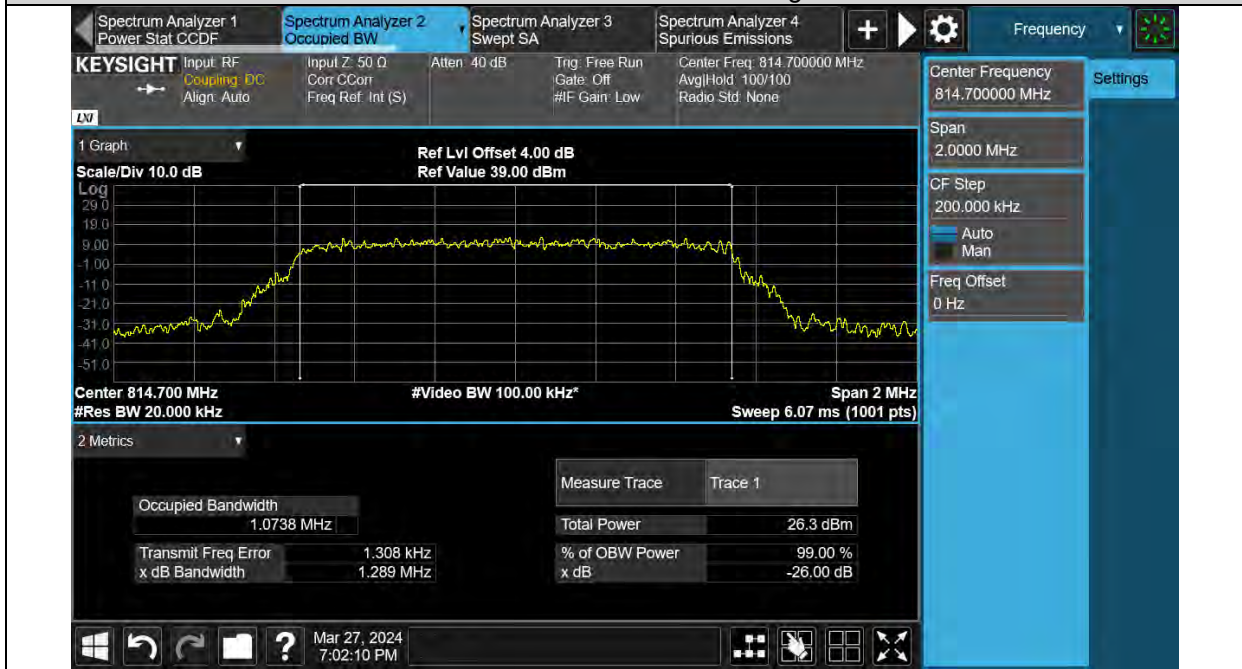


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Test Report No.: W7L-240204W001RF05



Band26-1.4MHz-16QAM-26697-1RB#0-Range:30~9000MHz

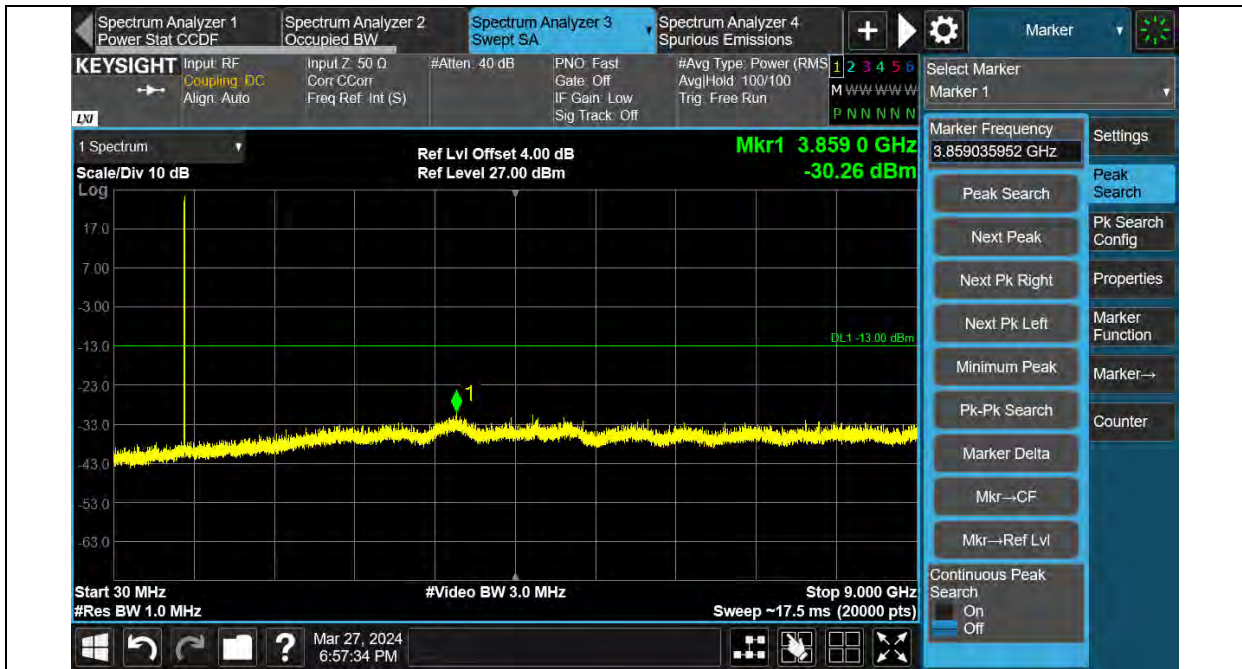


Band26-1.4MHz-16QAM-26740-1RB#0-Range:30~9000MHz



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Test Report No.: W7L-240204W001RF05



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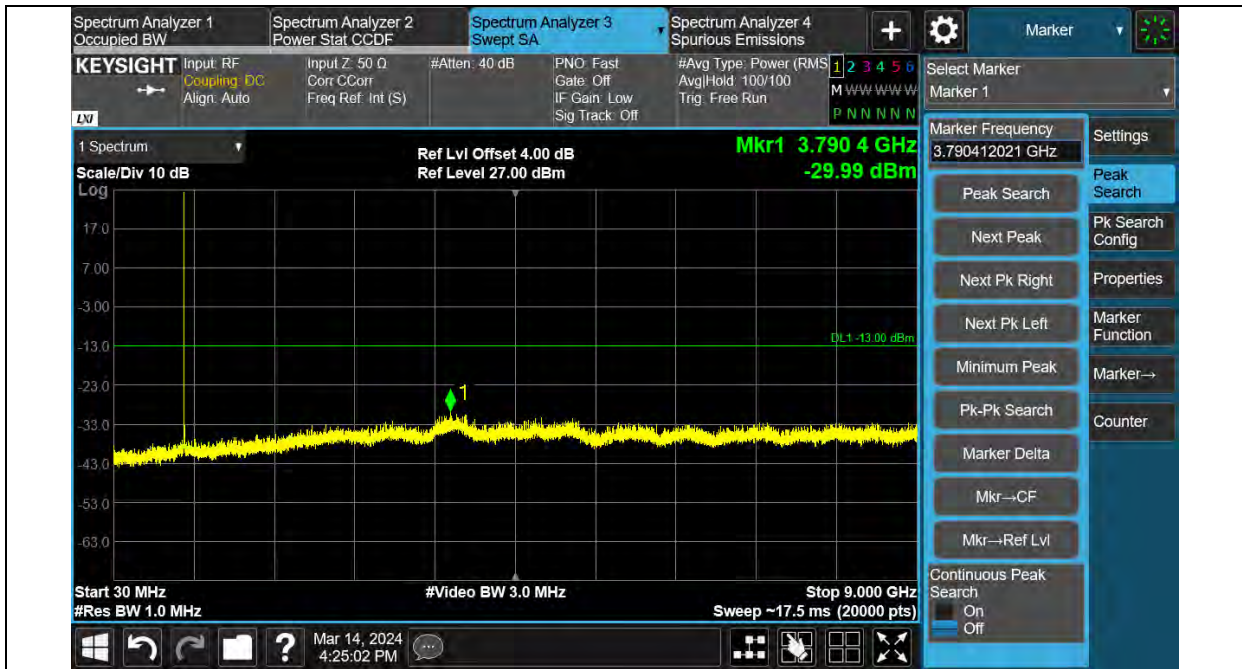


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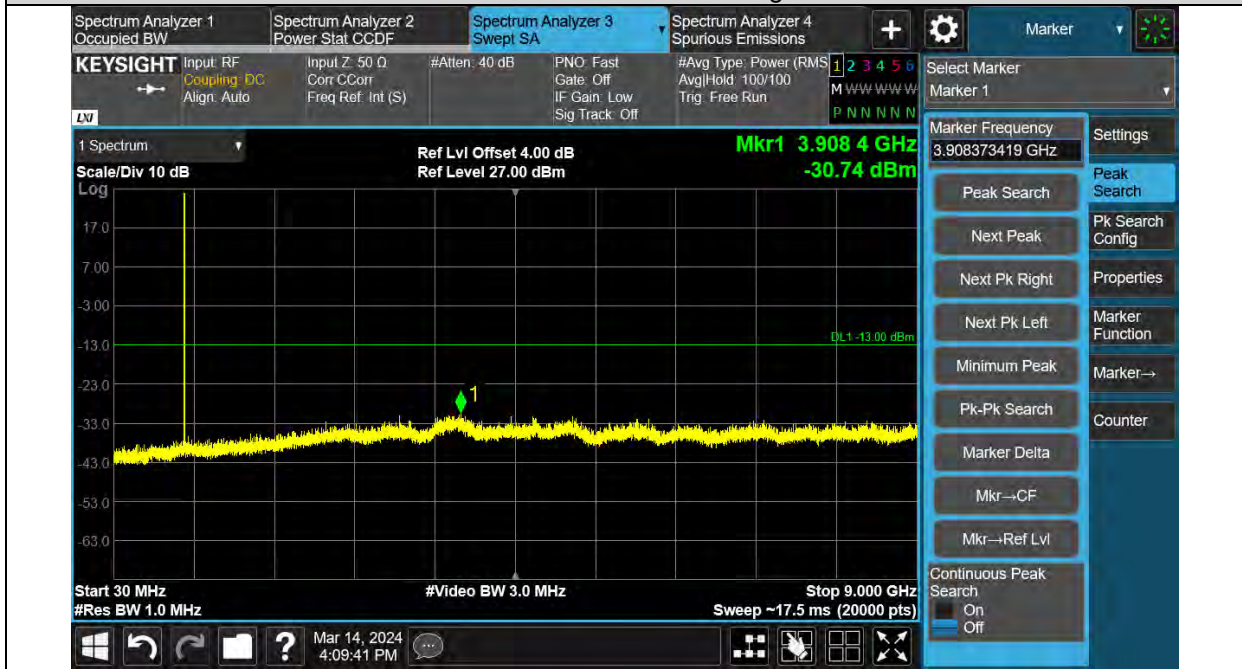


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Test Report No.: W7L-240204W001RF05



Band26-3MHz-QPSK-26740-1RB#0-Range:30~9000MHz

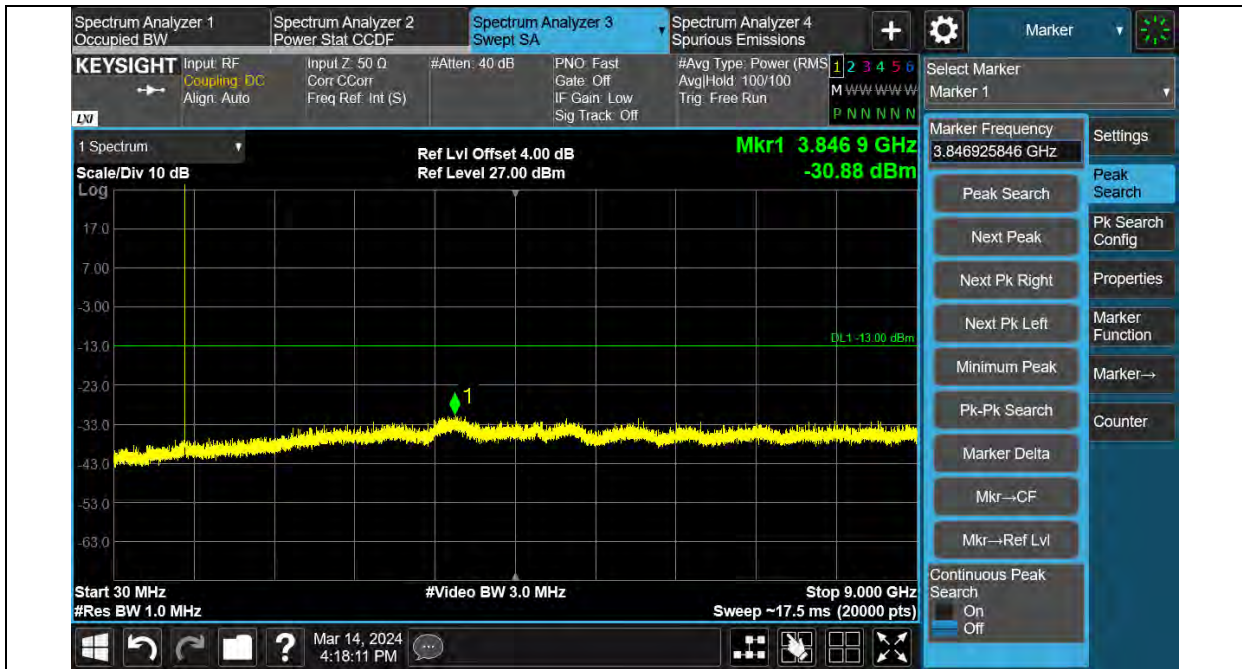


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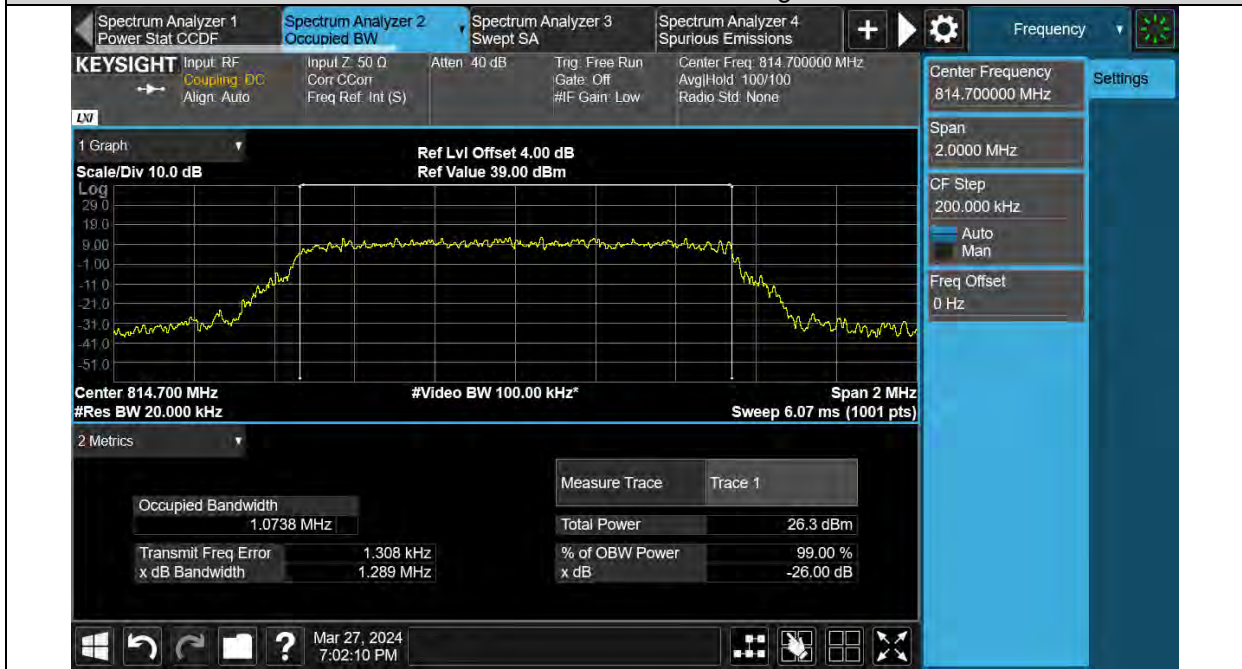


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-3MHz-16QAM-26705-1RB#0-Range:30~9000MHz

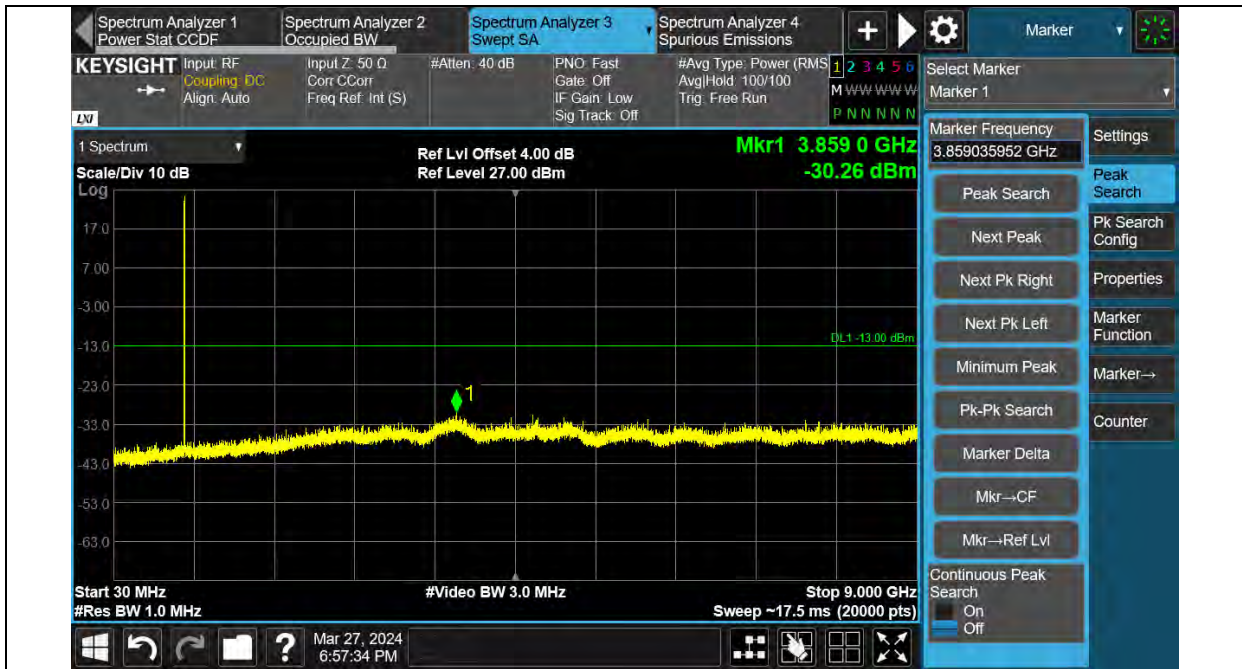


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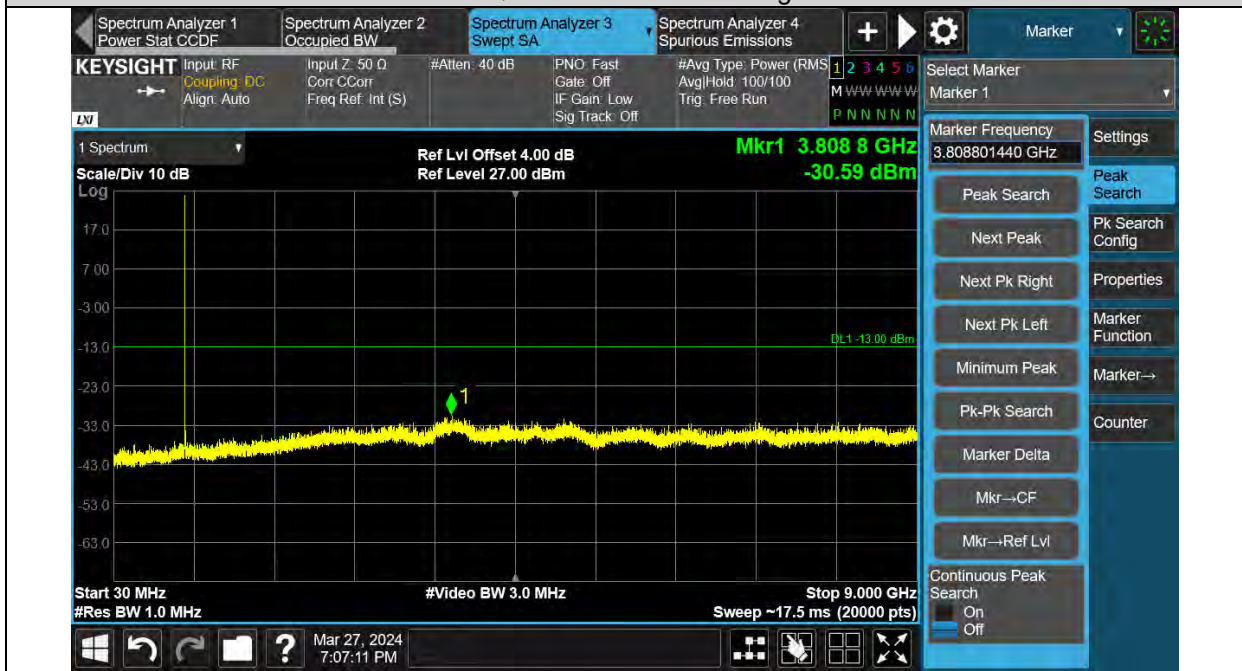


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-3MHz-16QAM-26775-1RB#0-Range:30~9000MHz

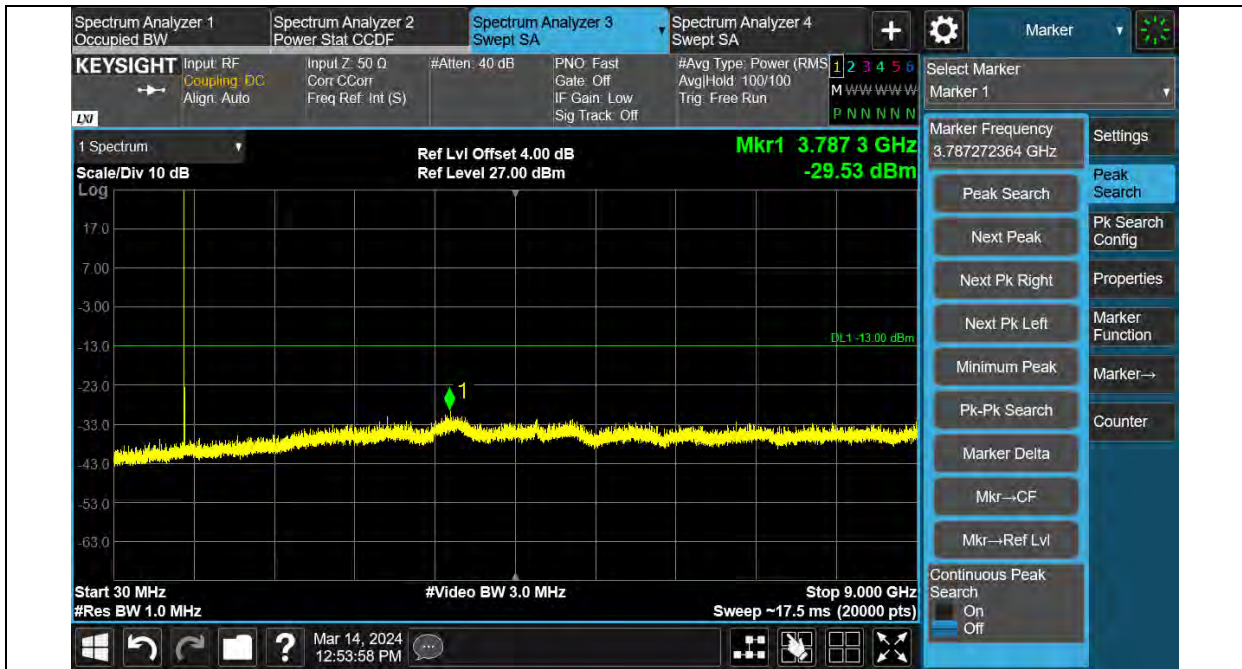


Band26-5MHz-QPSK-26715-1RB#0Range:30~9000MHz

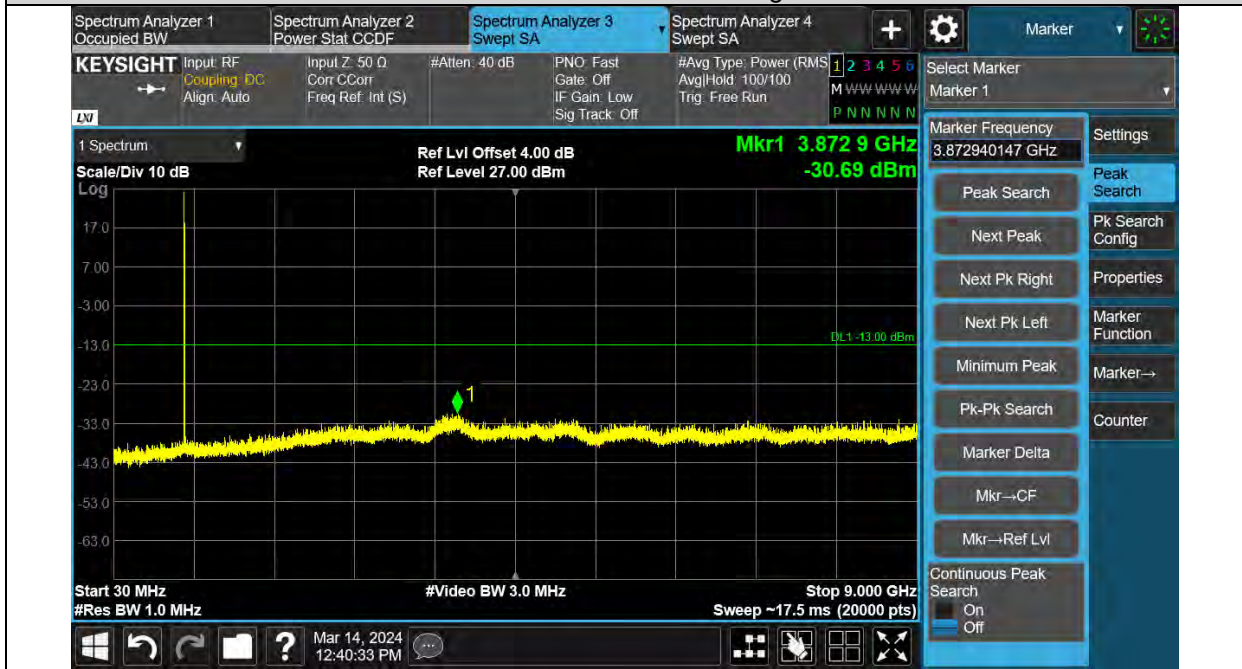


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-5MHz-QPSK-26740-1RB#0-Range:30~9000MHz

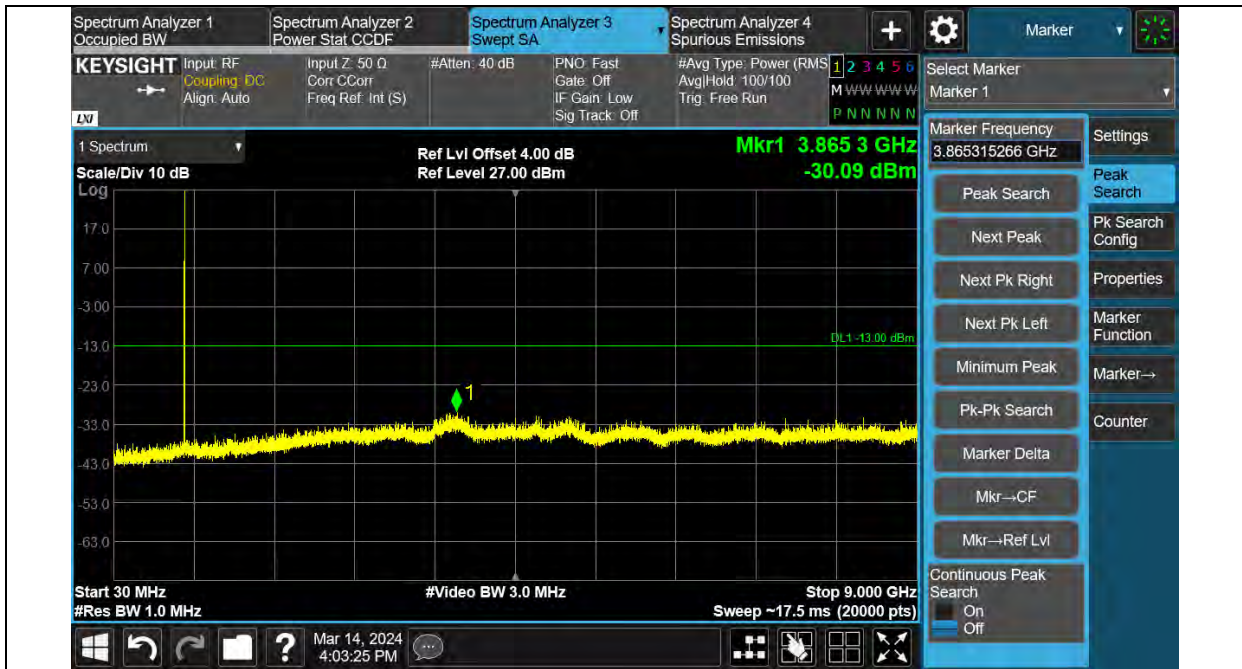


Band26-5MHz-QPSK-26765-1RB#0-Range:30~9000MHz

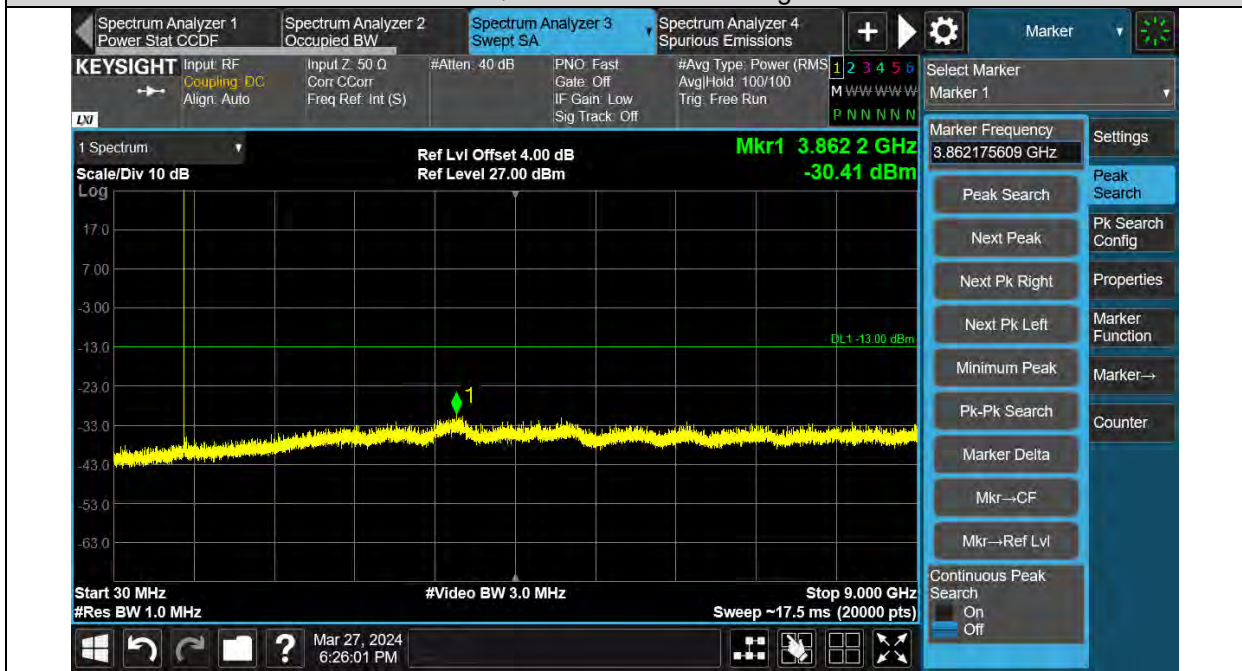


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Test Report No.: W7L-240204W001RF05



Band26-5MHz-16QAM-26715-1RB#0-Range:30~9000MHz

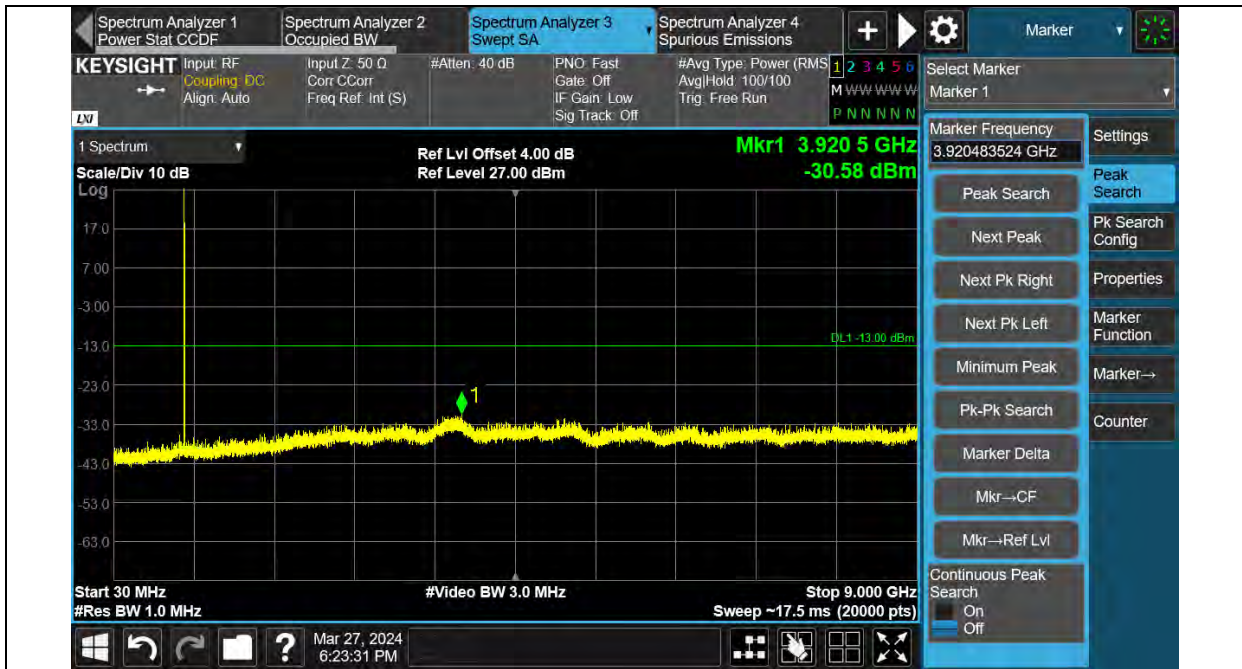


Band26-5MHz-16QAM-26740-1RB#0-Range:30~9000MHz

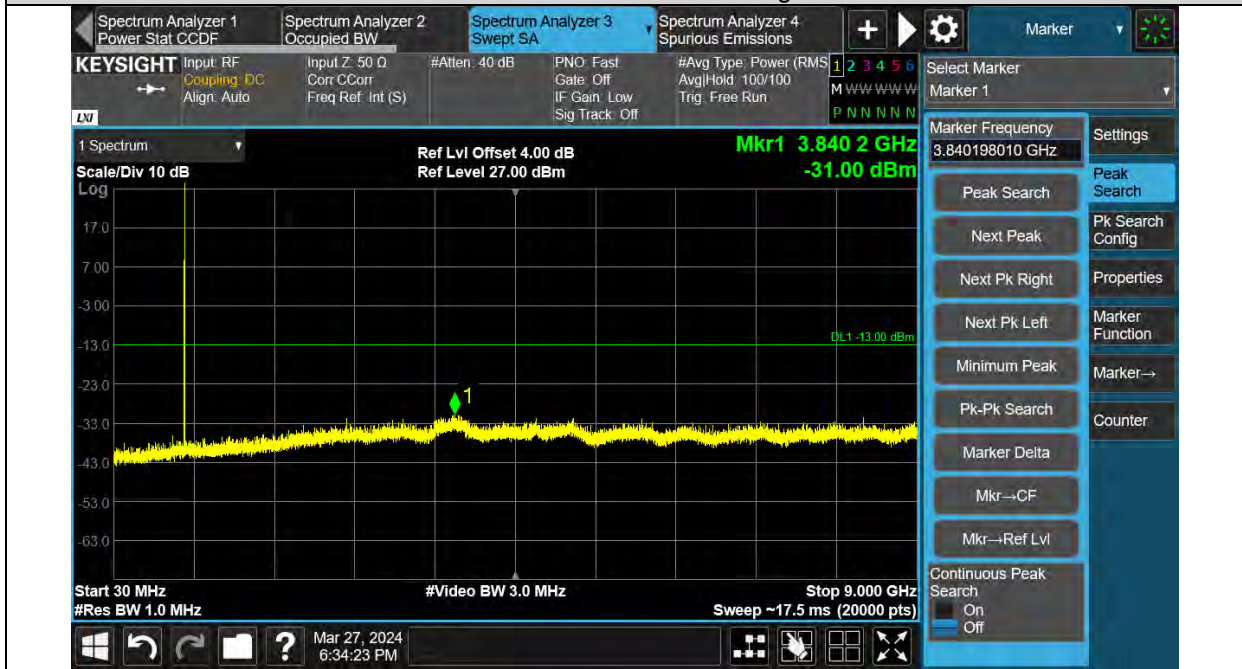


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Test Report No.: W7L-240204W001RF05



Band 26-5MHz-16QAM-26765-1RB#0-Range:30~9000MHz

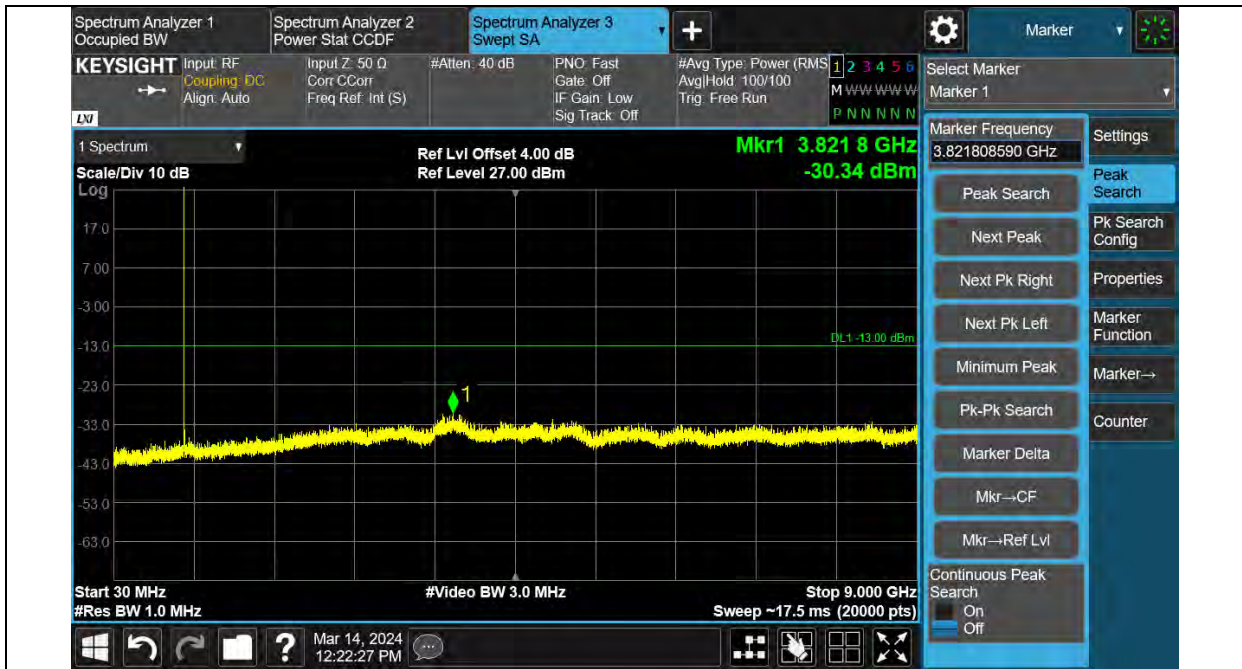


Band 26-10MHz-QPSK-26740-1RB#0-Range:30~9000MHz

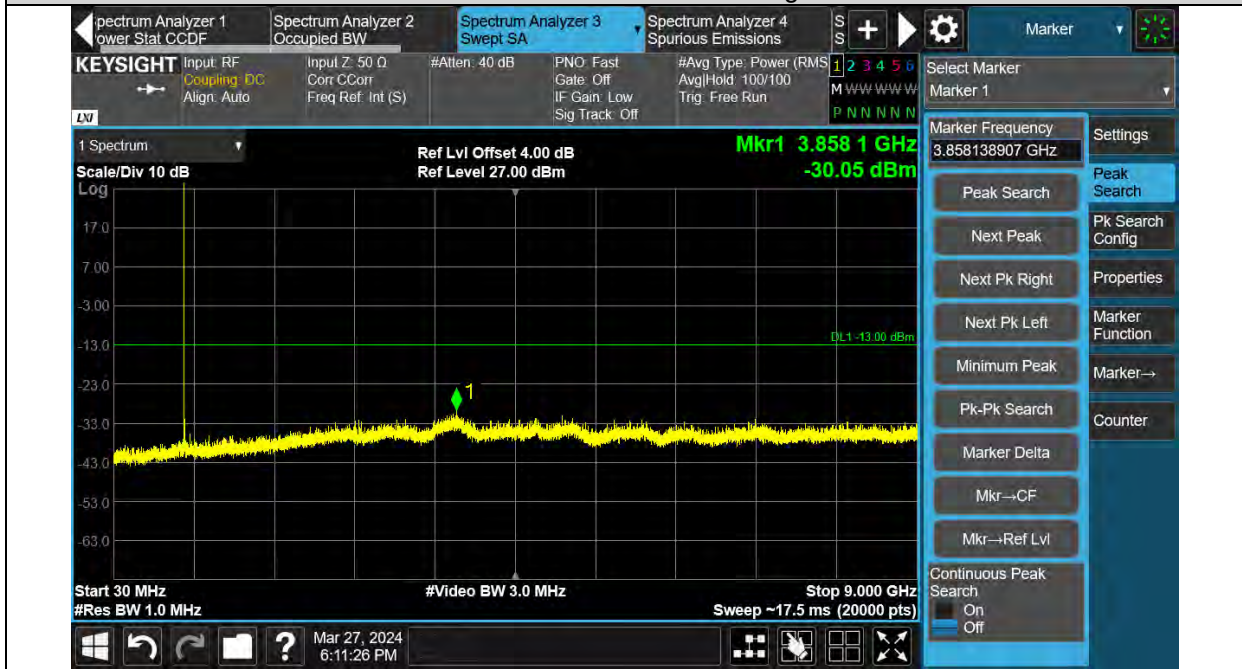


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Test Report No.: W7L-240204W001RF05



Band26-10MHz-16QAM-26740-1RB#0-Range:30~9000MHz



FREQUENCY STABILITY

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
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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Test Report No.: W7L-240204W001RF05

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



Test Report No.: W7L-240204W001RF05

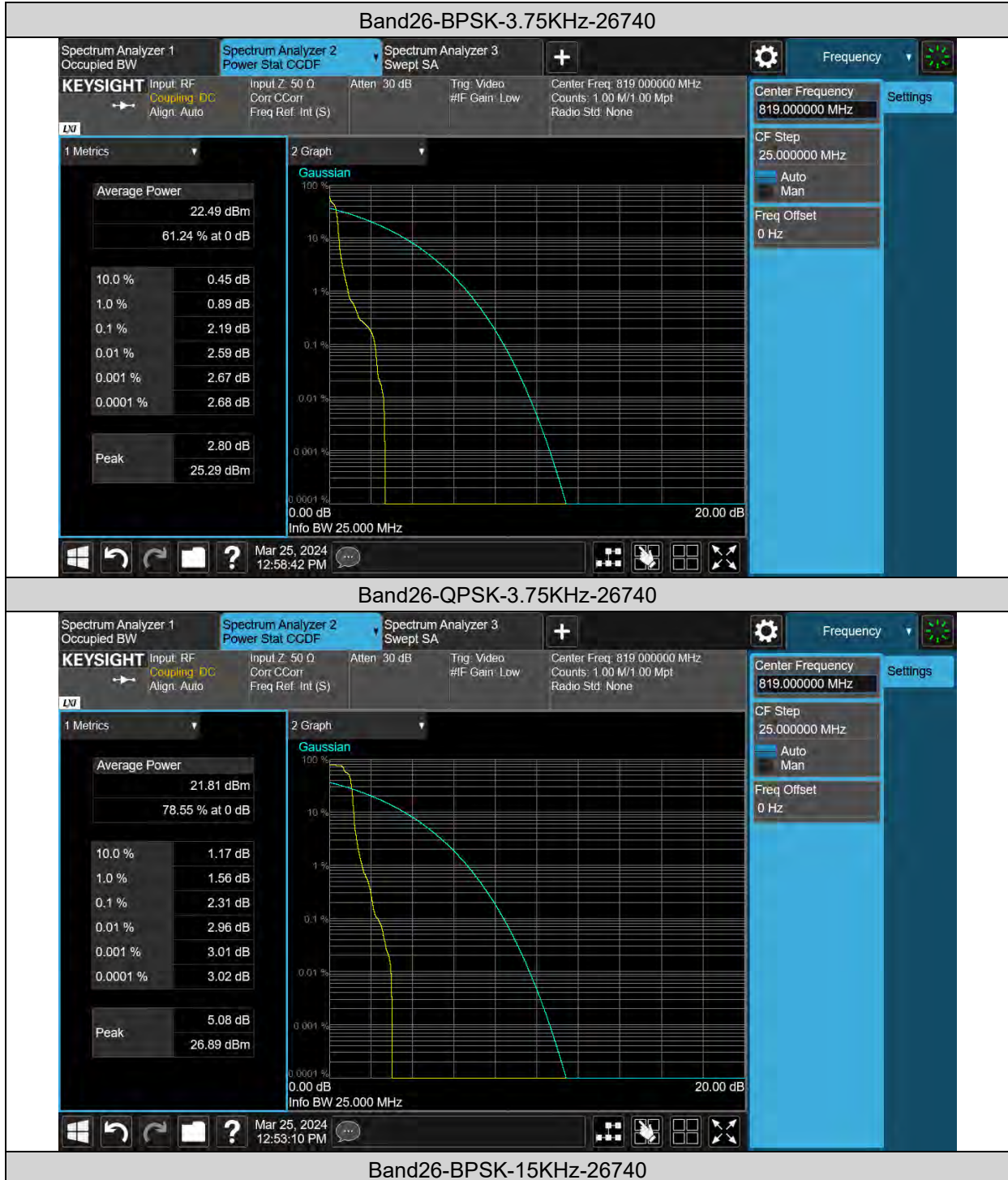
NB-IOT: LTE BAND26

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

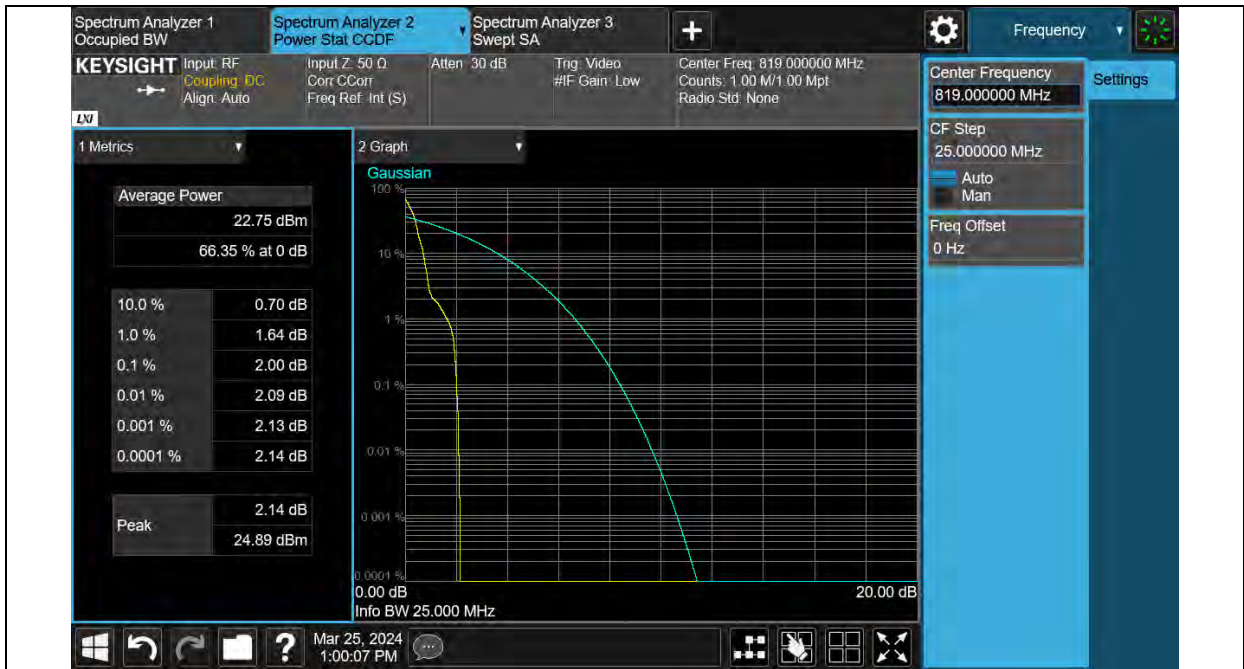
Test Graphs



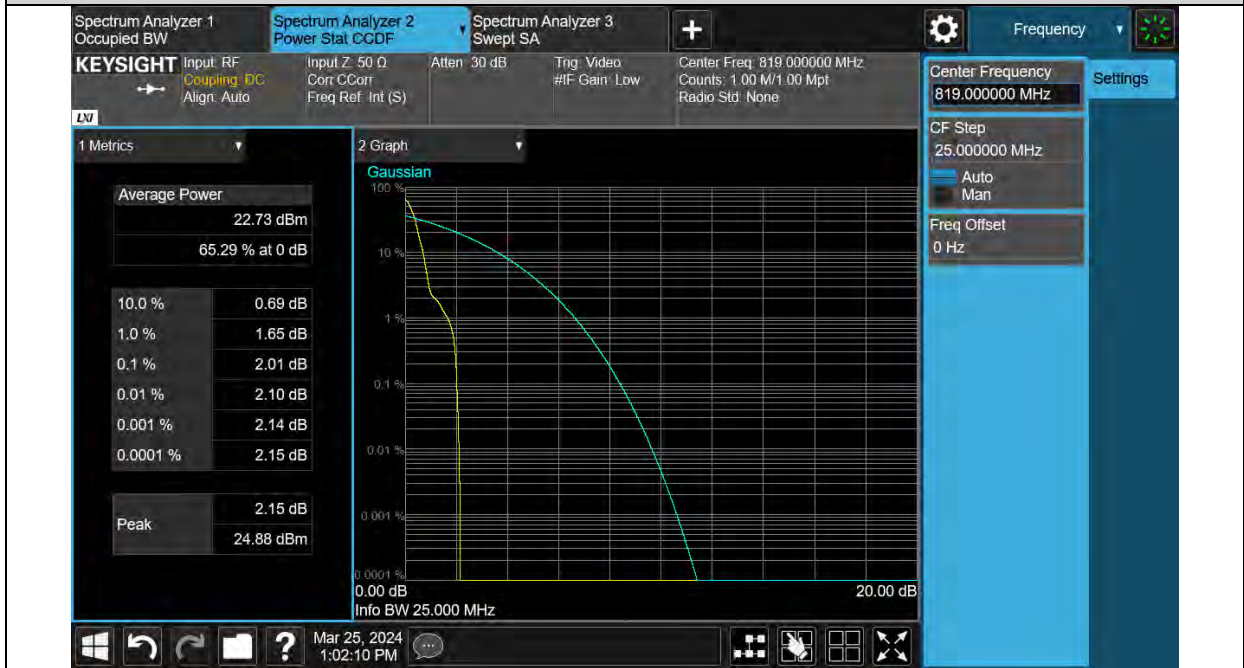


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-15KHz-26740





Test Report No.: W7L-240204W001RF05

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

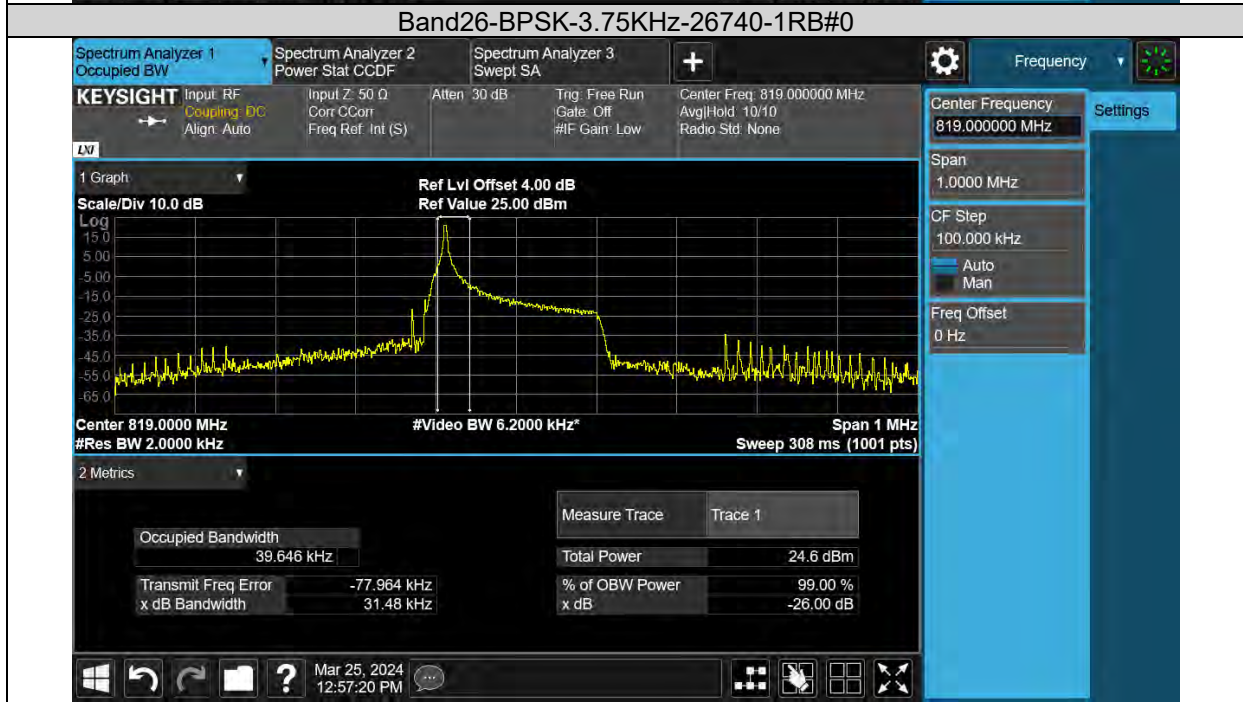
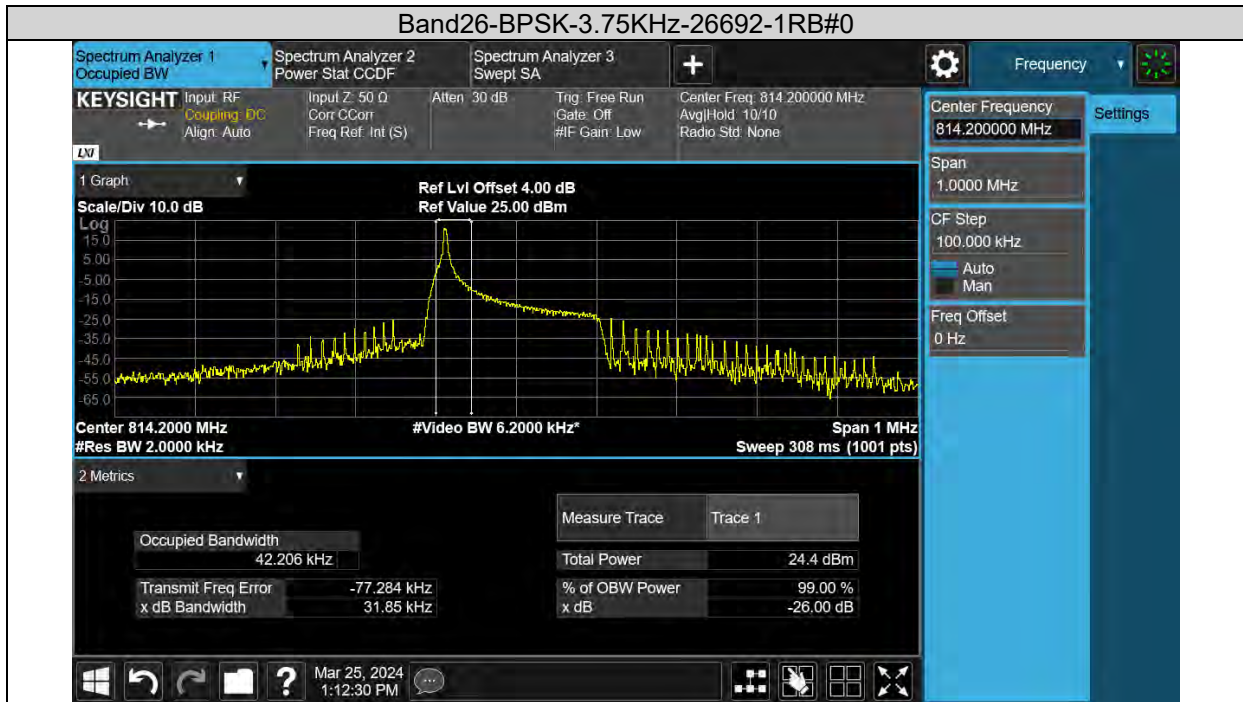
Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Verdict
Band26	BPSK	3.75	26692	1RB#0	42.206	31.85	PASS
Band26	BPSK	3.75	26740	1RB#0	39.646	31.48	PASS
Band26	BPSK	3.75	26788	1RB#0	50.387	31.68	PASS
Band26	QPSK	3.75	26692	1RB#0	47.480	34.81	PASS
Band26	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



BUREAU VERITAS

Test Report No.: W7L-240204W001RF05

Test Graphs

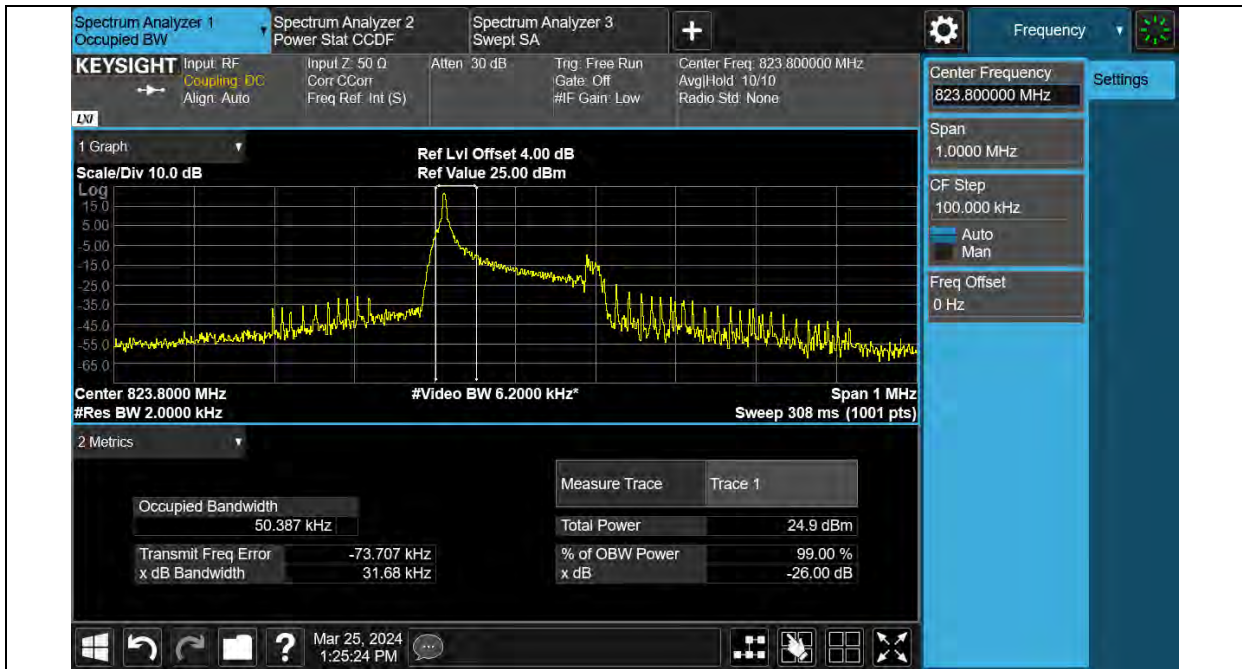


Band26-BPSK-3.75KHz-26788-1RB#0

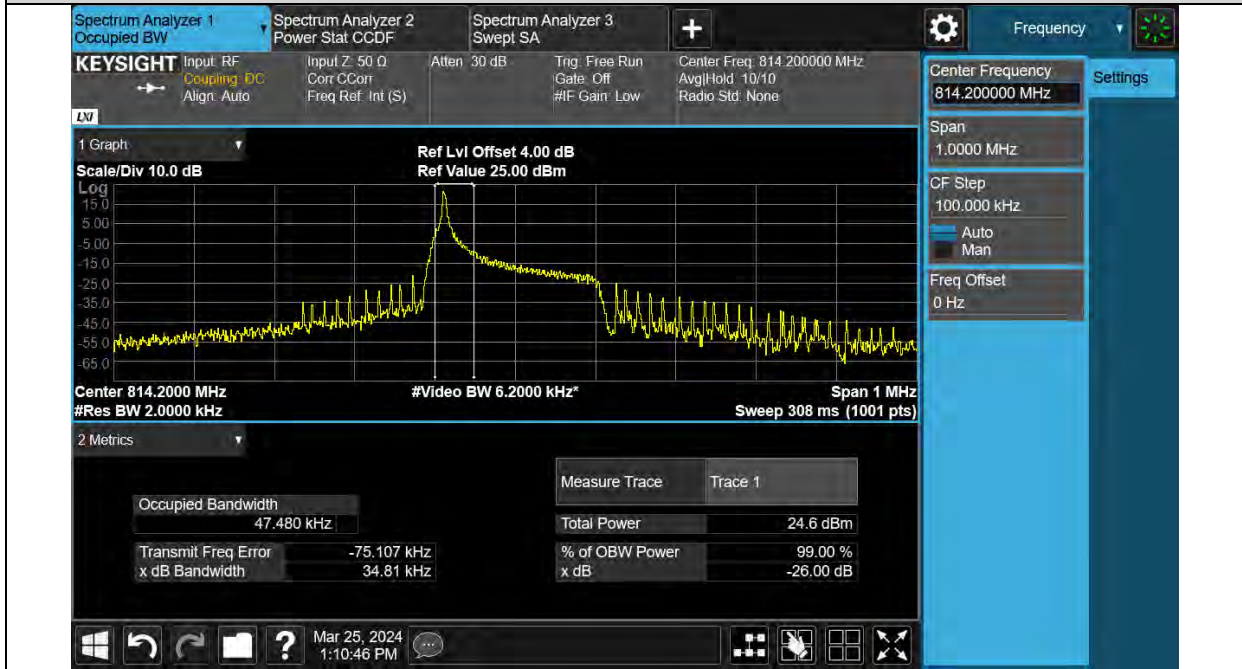


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-3.75KHz-26692-1RB#0

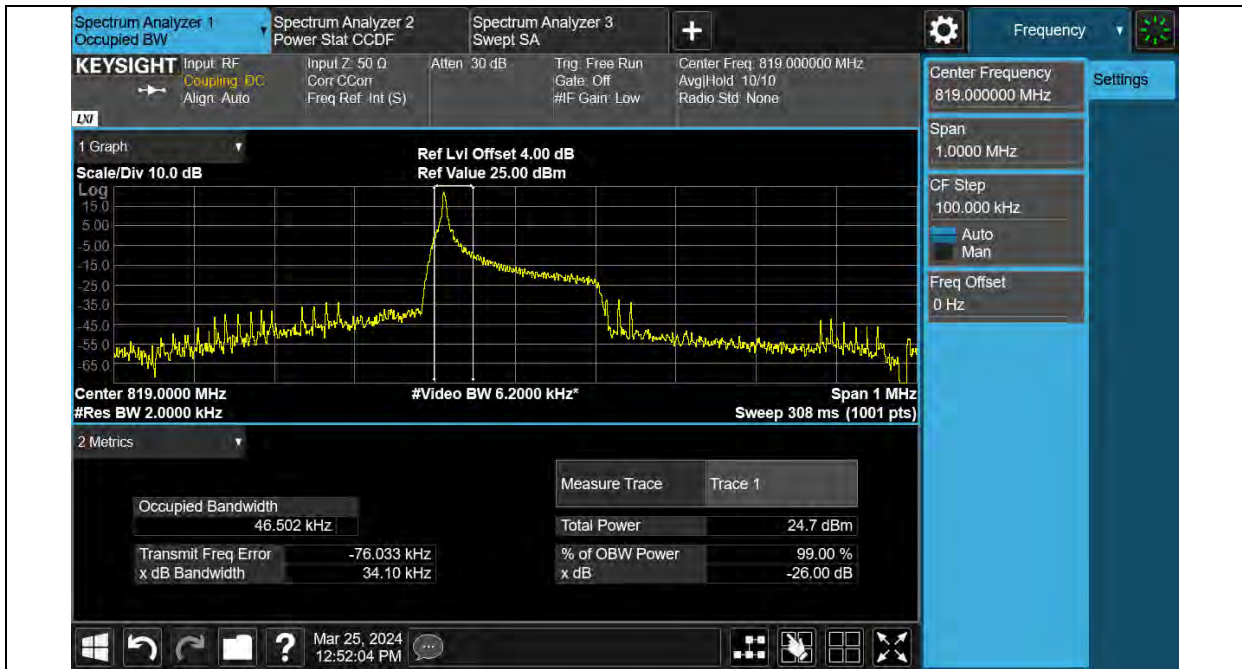


Band26-QPSK-3.75KHz-26740-1RB#0

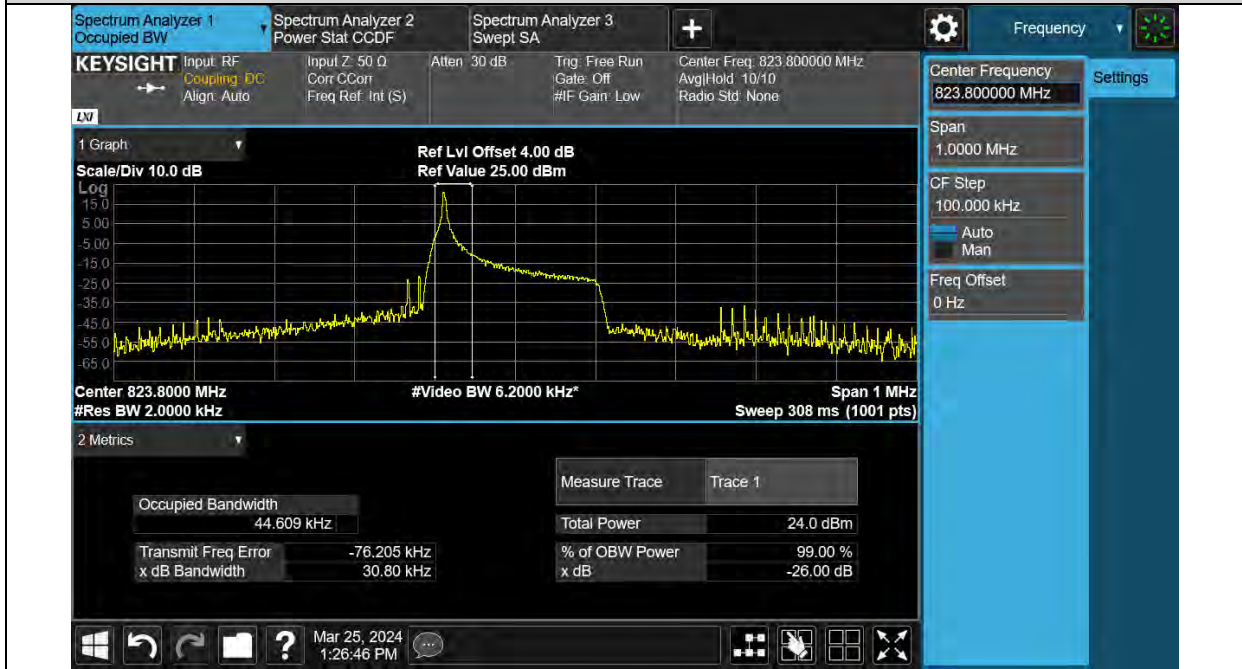


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-3.75KHz-26788-1RB#0

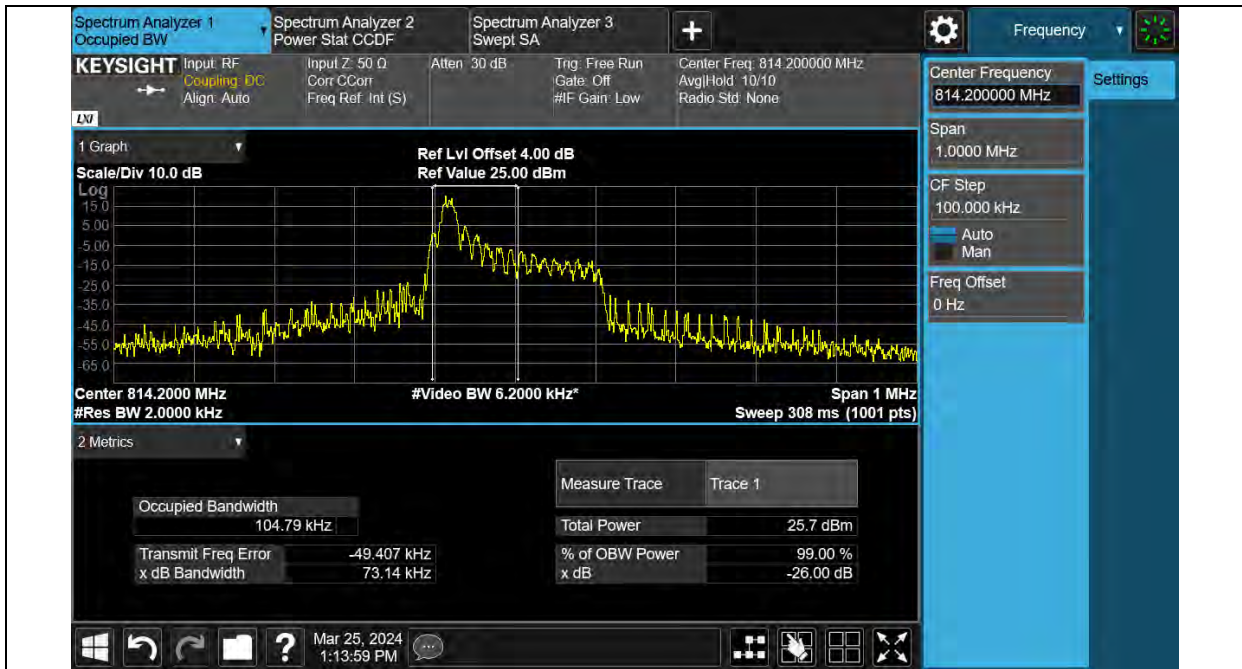


Band26-BPSK-15KHz-26692-1RB#0

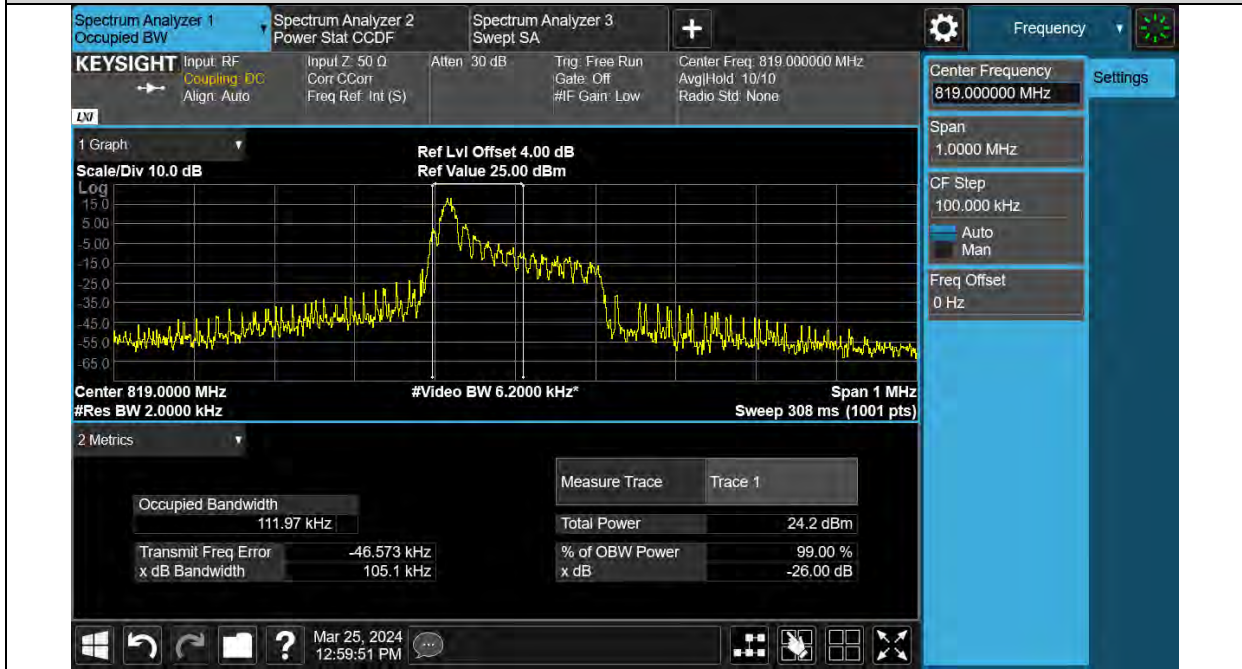


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-BPSK-15KHz-26740-1RB#0



Band26-BPSK-15KHz-26788-1RB#0

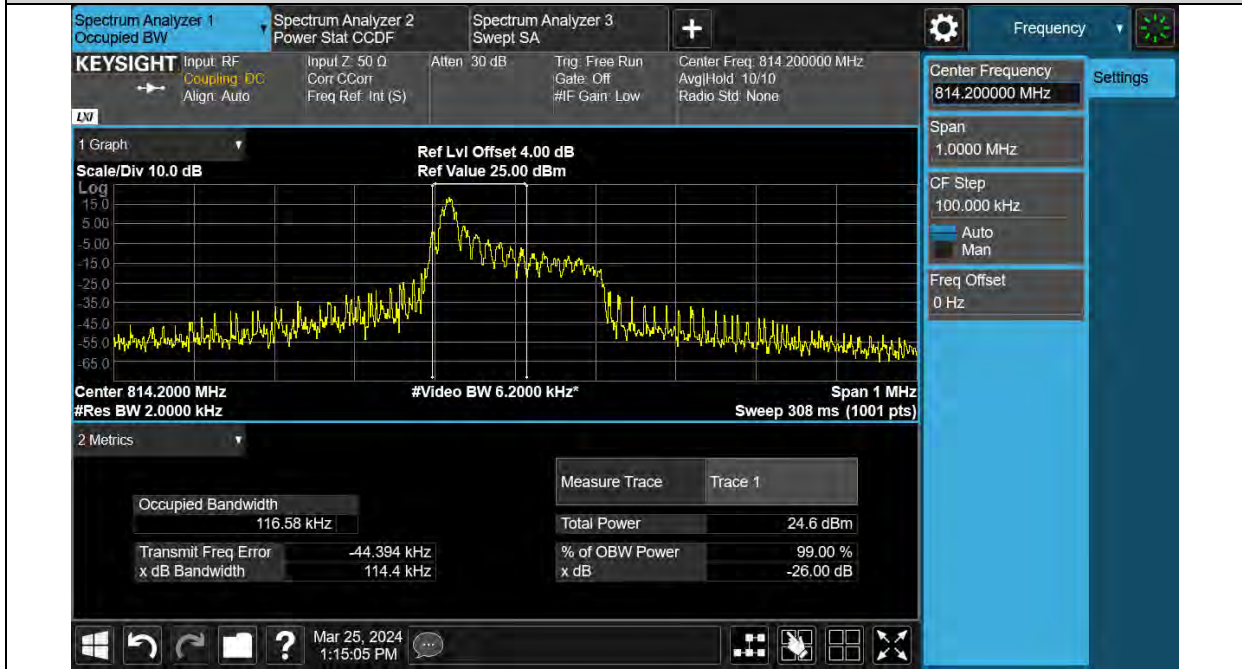


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-15KHz-26692-1RB#0

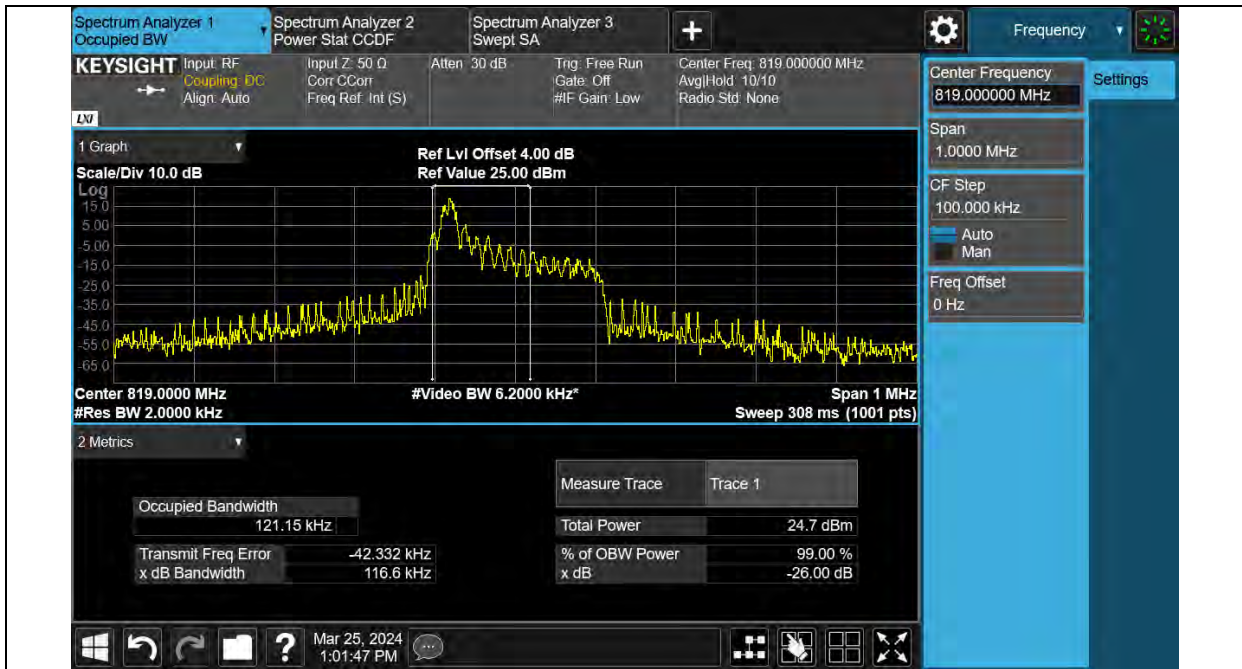


Band26-QPSK-15KHz-26740-1RB#0

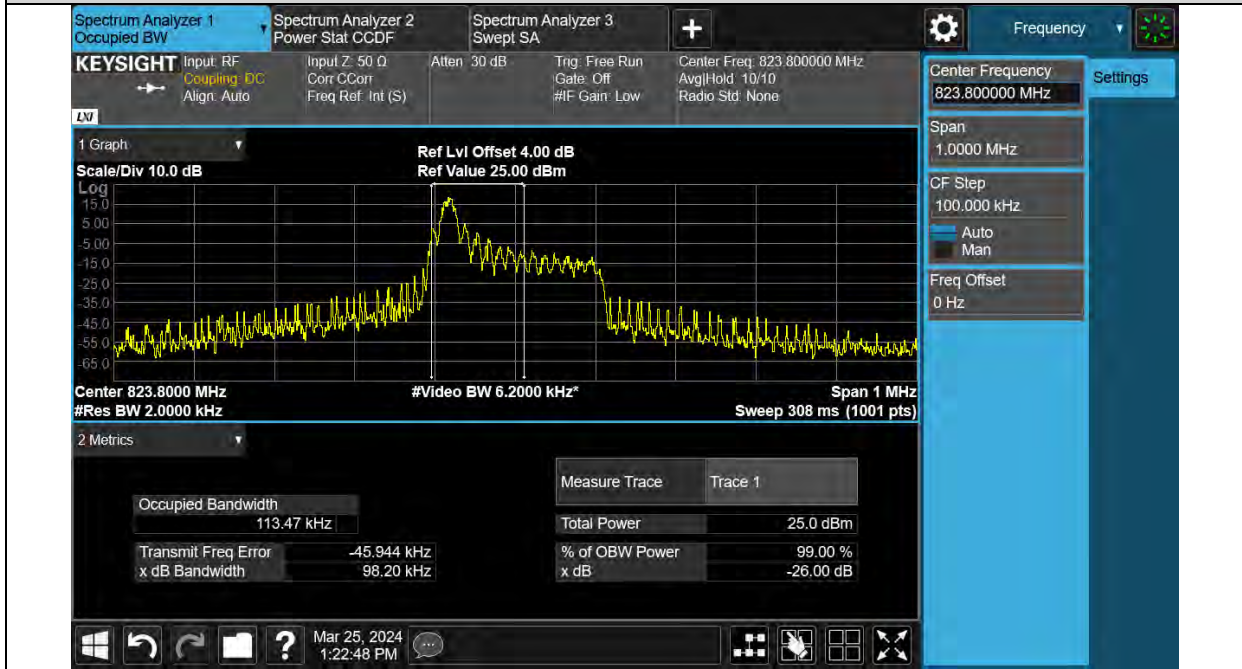


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-15KHz-26788-1RB#0

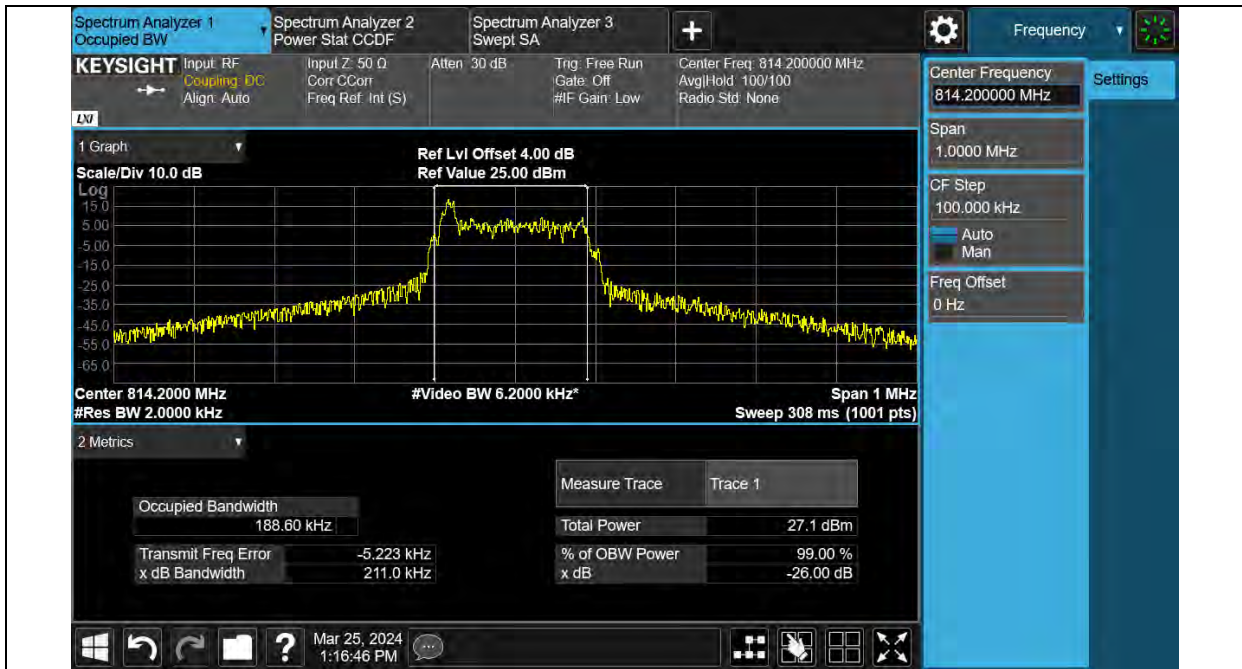


Band26-QPSK-15KHz-26692-12RB#0

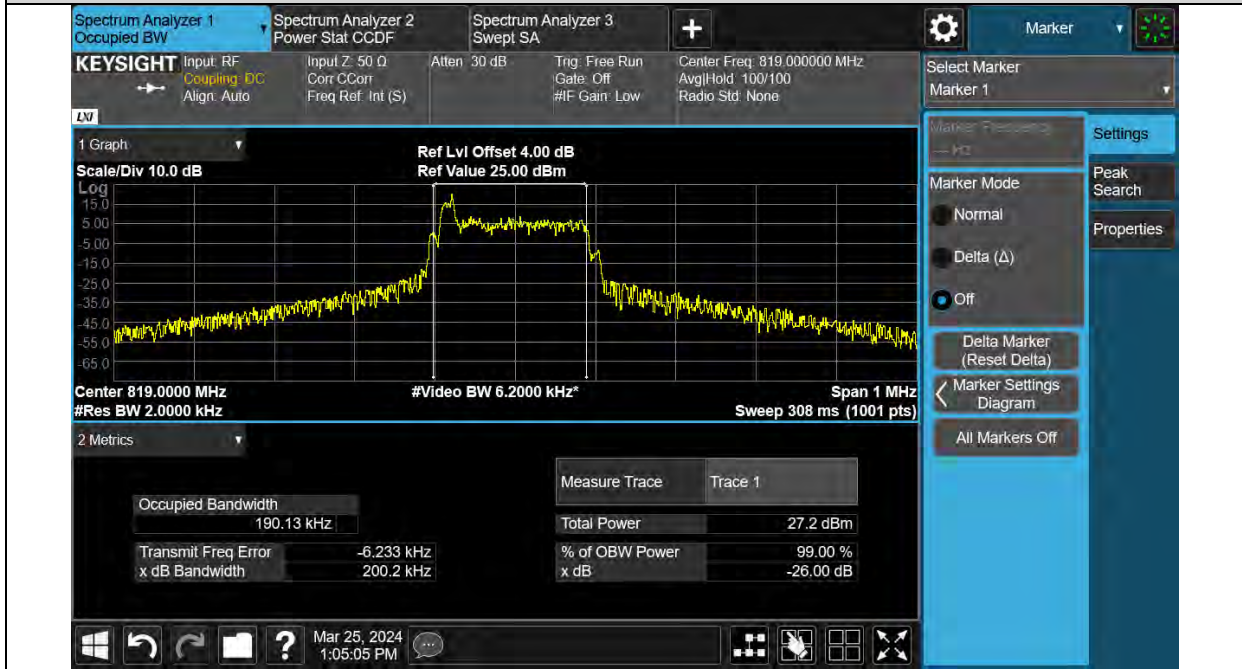


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-15KHz-26740-12RB#0

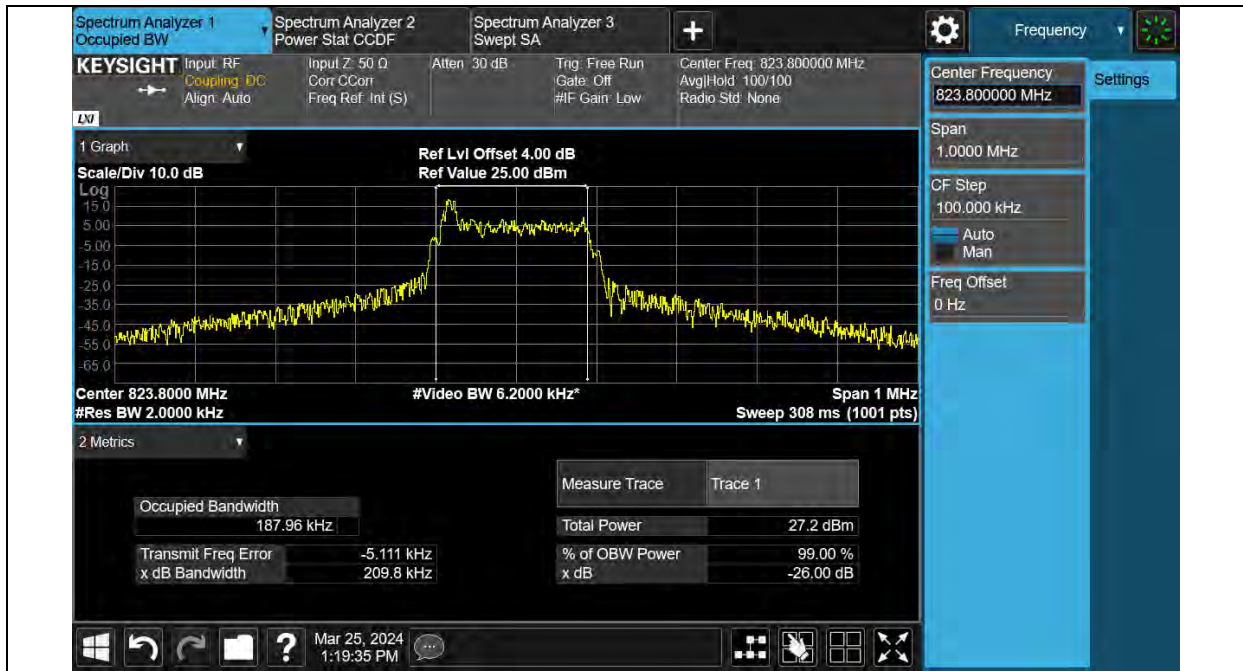


Band26-QPSK-15KHz-26788-12RB#0



BUREAU
VERITAS

Test Report No.: W7L-240204W001RF05

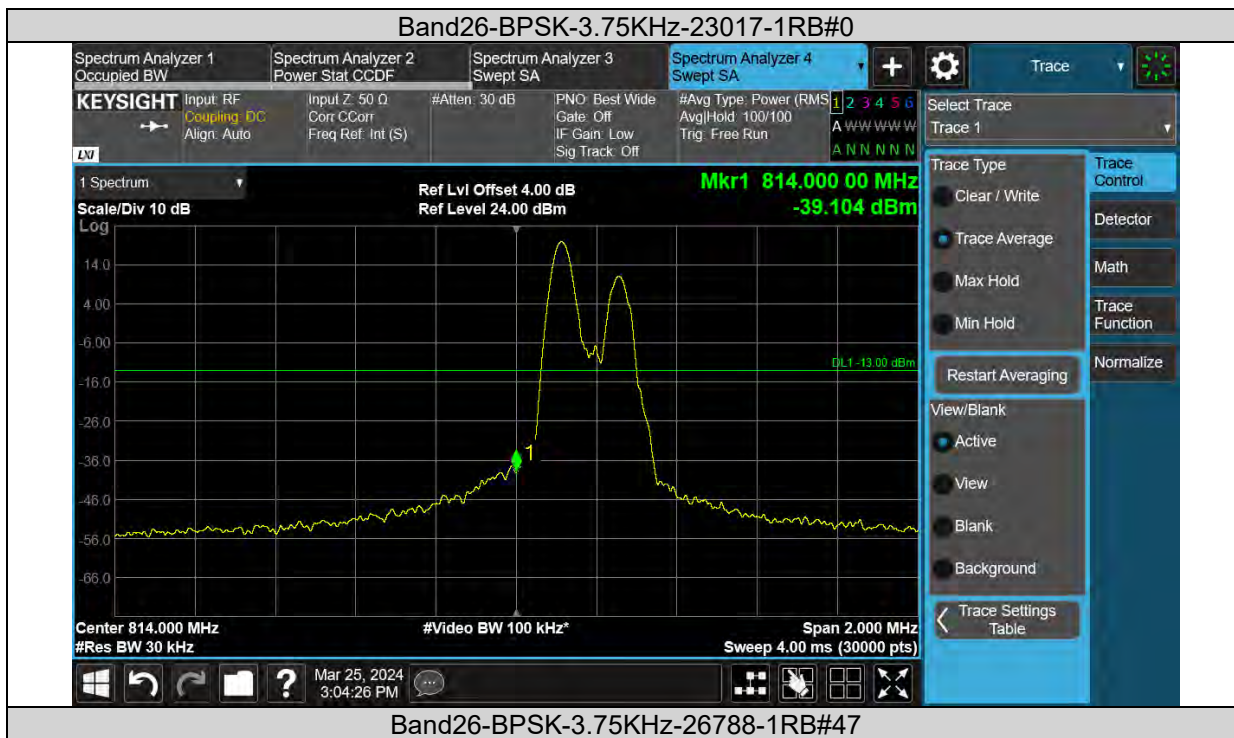


BAND EDGE

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

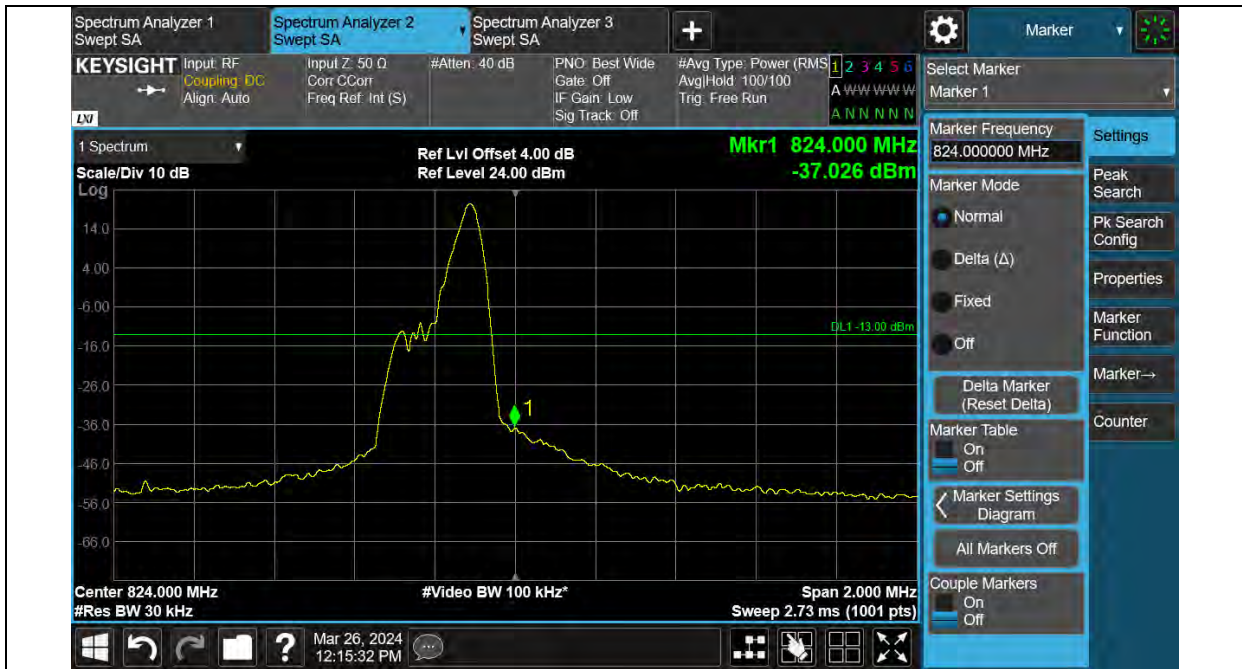
Test Graphs



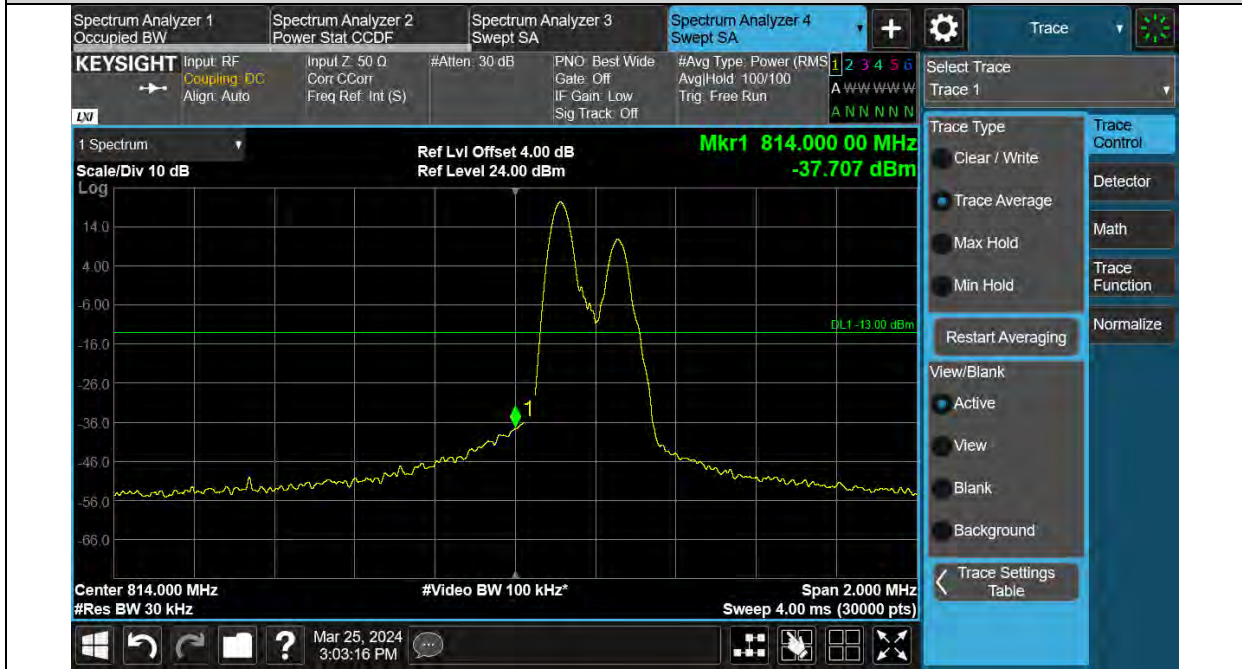


BUREAU
VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-3.75KHz-23017-1RB#0

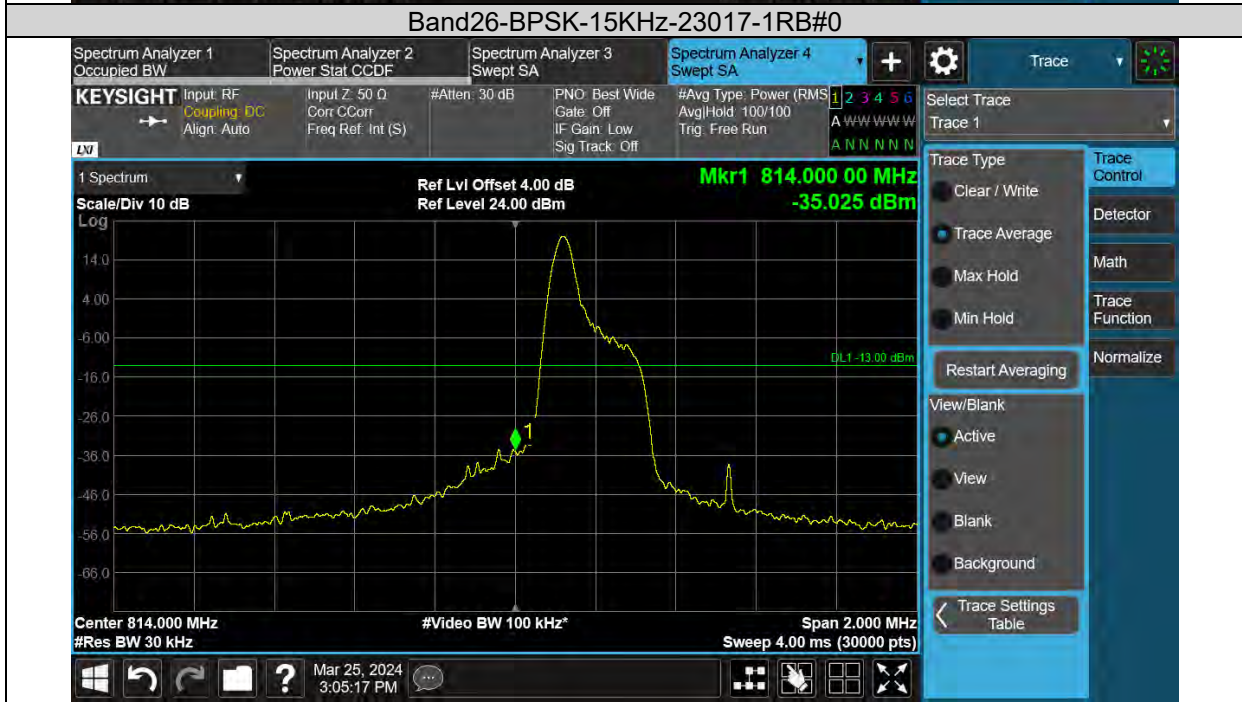


Band26-QPSK-3.75KHz-26788-1RB#47



BUREAU VERITAS

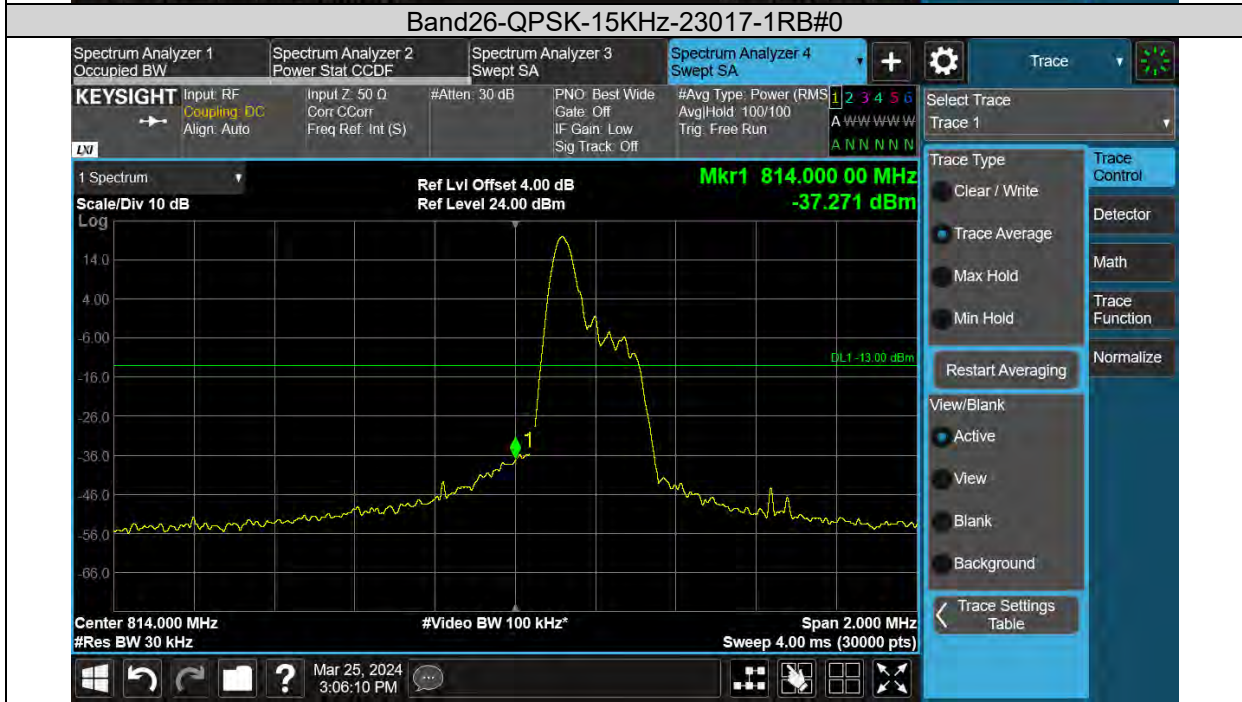
Test Report No.: W7L-240204W001RF05





BUREAU VERITAS

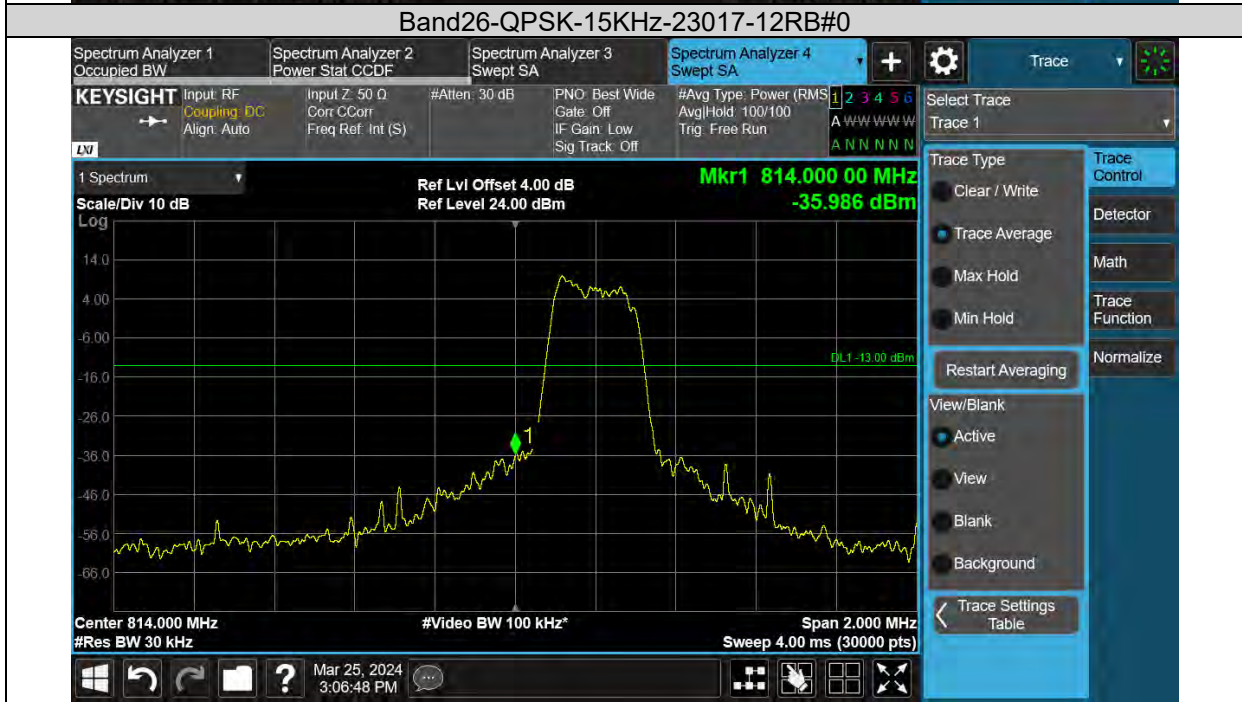
Test Report No.: W7L-240204W001RF05





BUREAU VERITAS

Test Report No.: W7L-240204W001RF05





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VERITAS

Test Report No.: W7L-240204W001RF05





Test Report No.: W7L-240204W001RF05

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Modulation	Sub-carrier spacing(KHz)	Channel	Ntones	Frequency Range	Result (dBm)	Verdict
Band26	BPSK	3.75	26692	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	BPSK	3.75	26740	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	BPSK	3.75	26788	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	3.75	26692	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	3.75	26740	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	3.75	26788	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	BPSK	15	26692	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	BPSK	15	26740	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	BPSK	15	26788	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	15	26692	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	15	26740	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	15	26788	1RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	15	26692	12RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	15	26740	12RB#0	Range:30M~9000M	See Graph	PASS
Band26	QPSK	15	26788	12RB#0	Range:30M~9000M	See Graph	PASS

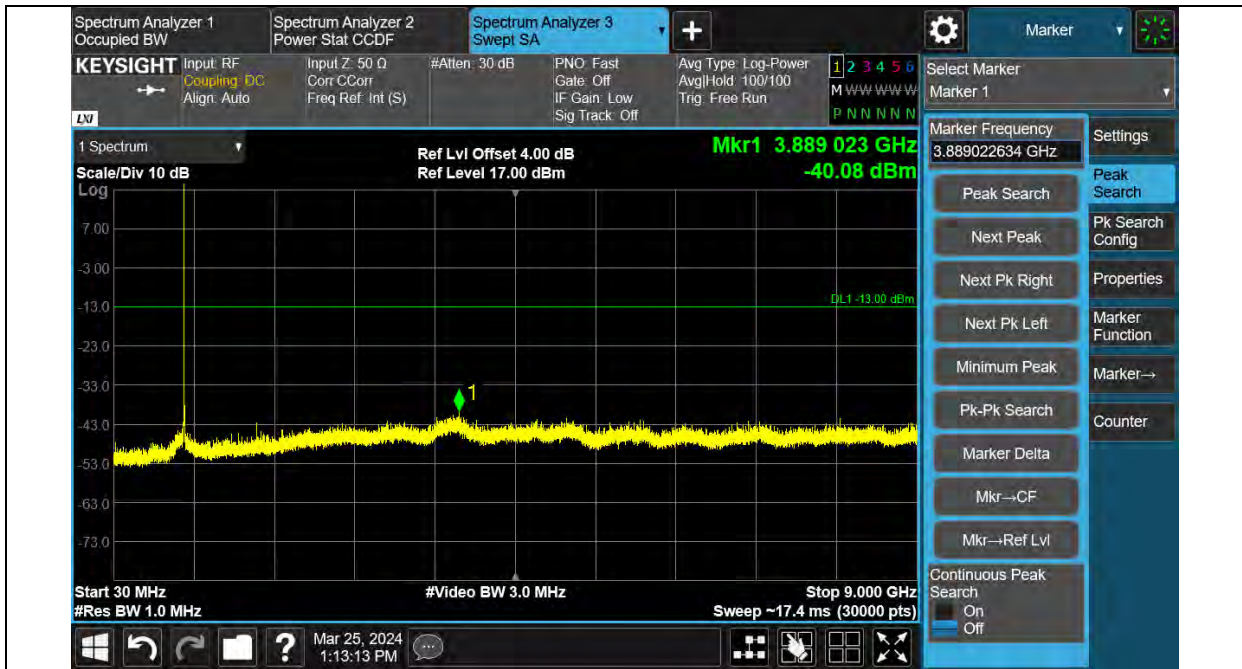
Test Graphs

Band26-BPSK-3.75KHz-26692-1RB#0

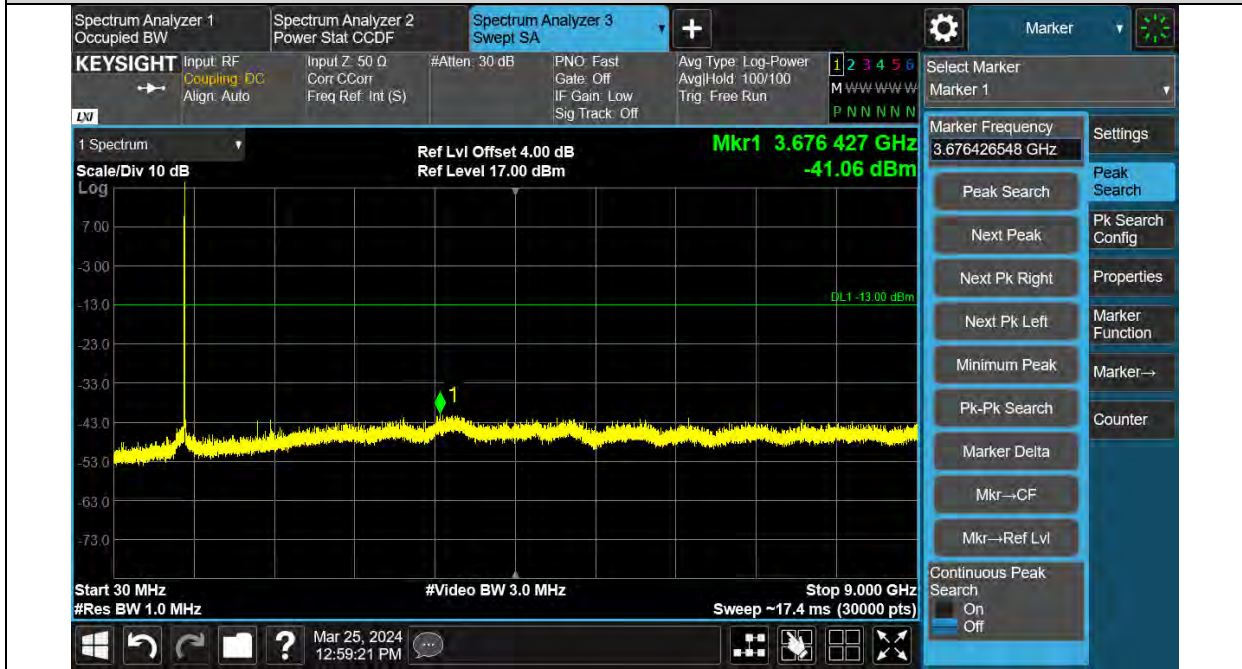


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-BPSK-3.75KHz-26740-1RB#0

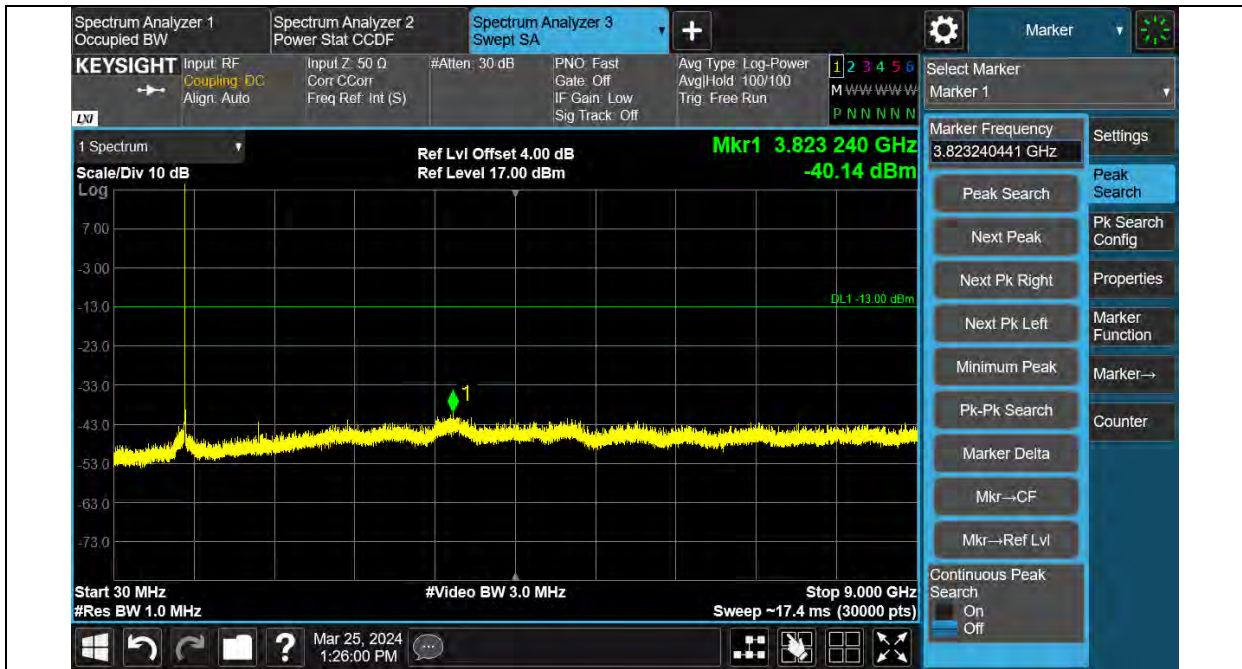


Band26-BPSK-3.75KHz-26788-1RB#0

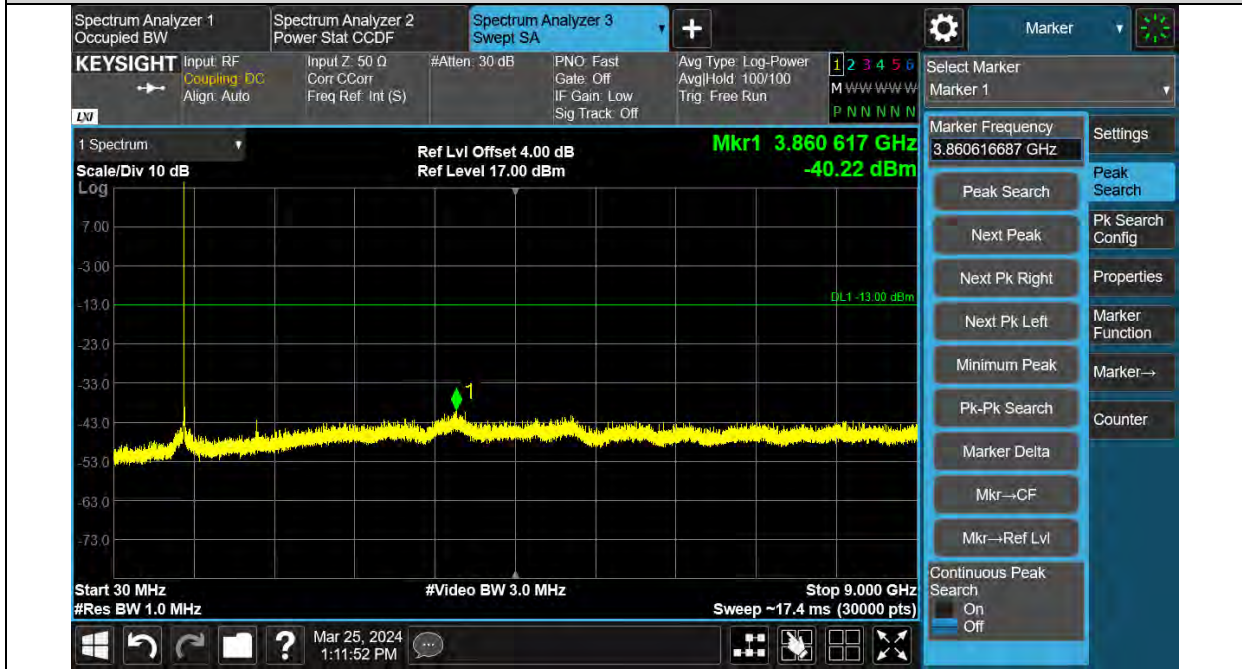


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-3.75KHz-26692-1RB#0

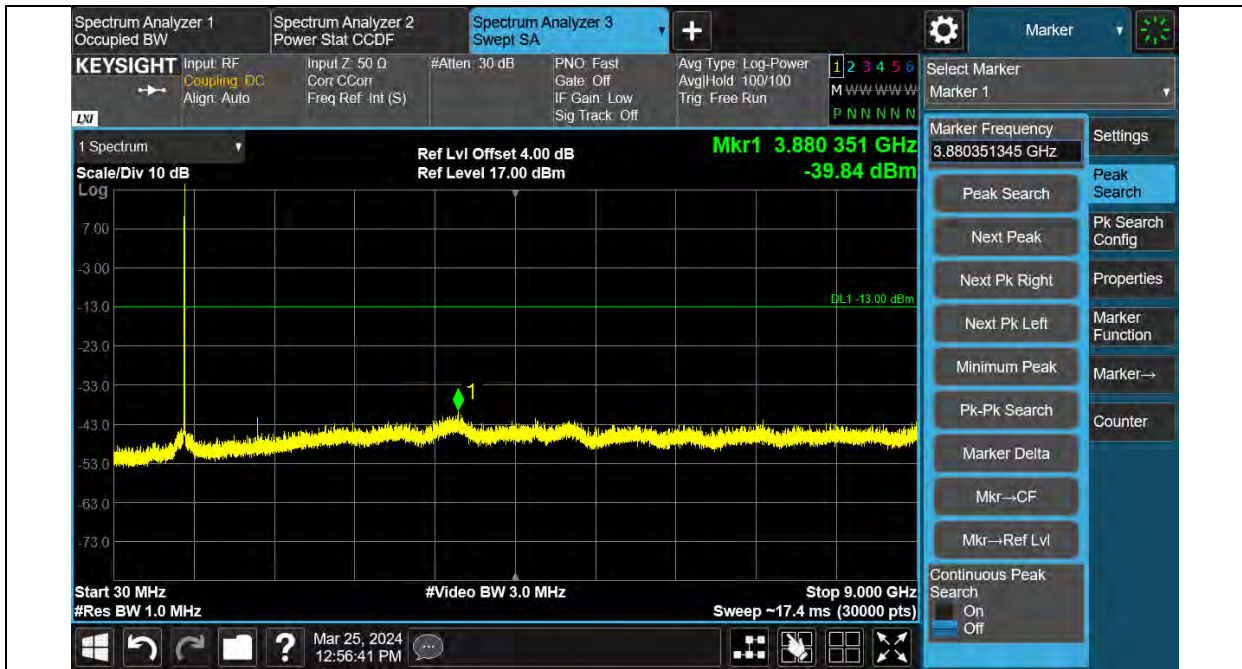


Band26-QPSK-3.75KHz-26740-1RB#0

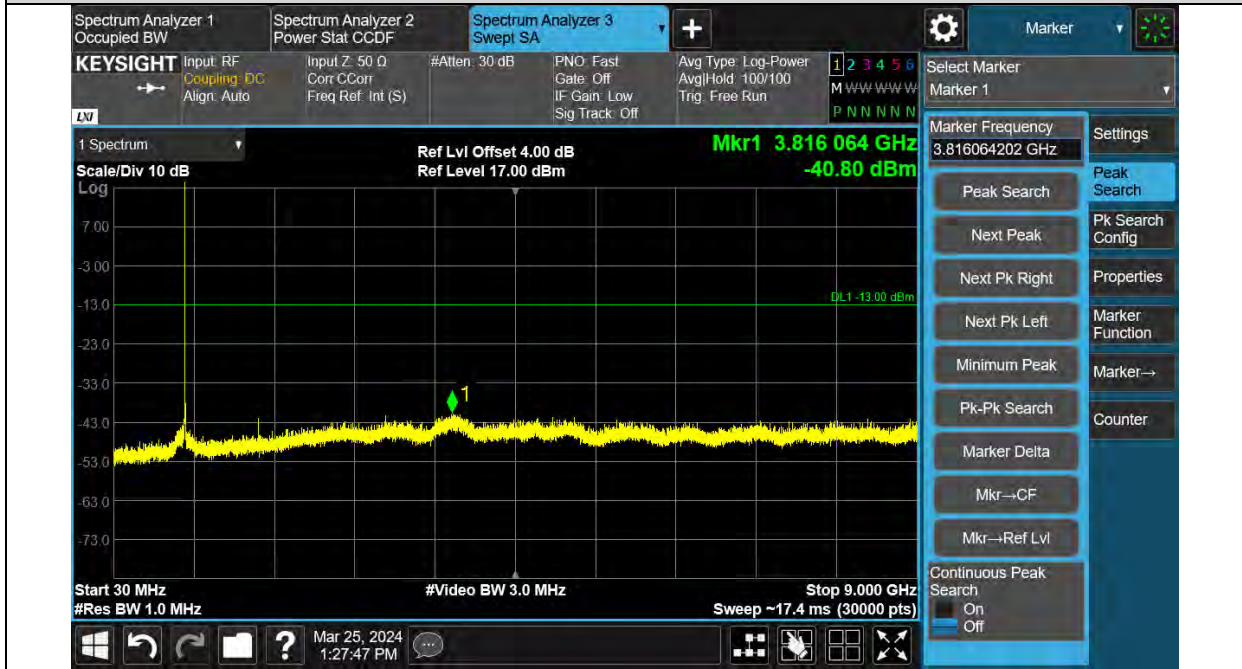


BUREAU VERITAS

Test Report No.: W7L-240204W001RF05



Band26-QPSK-3.75KHz-26788-1RB#0



Band26-BPSK-15KHz-26692-1RB#0