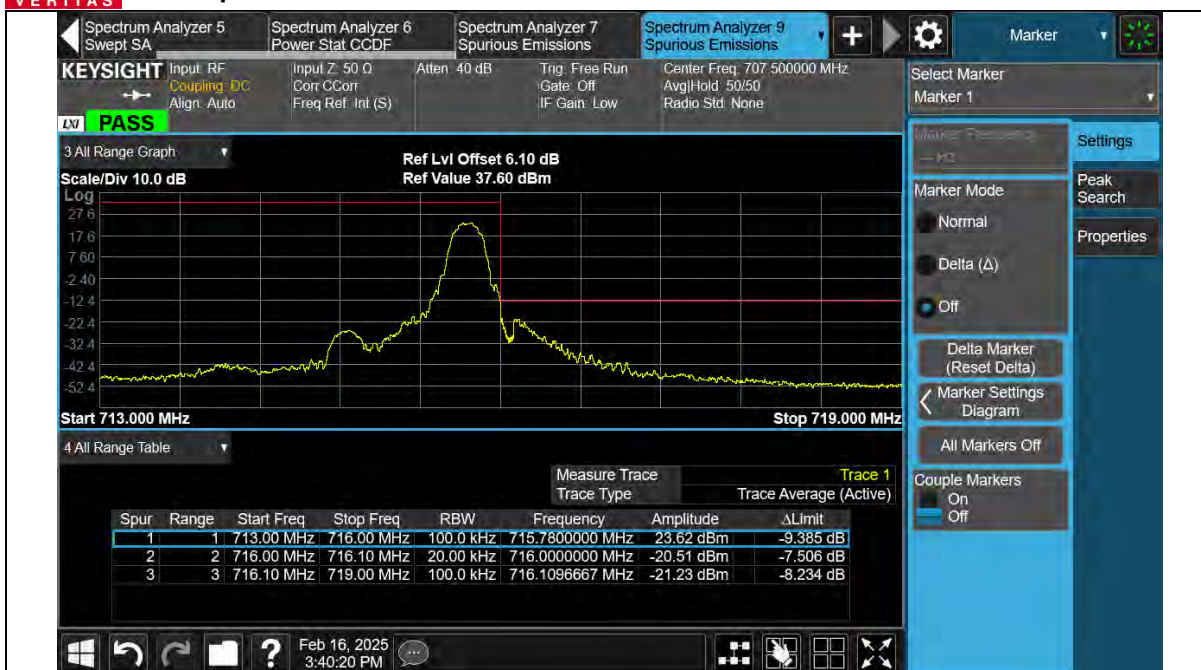




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Test Report No.: PSZ-NQN2412300616RF03



Band12-1.4MHz-QPSK-23173-6RB#0

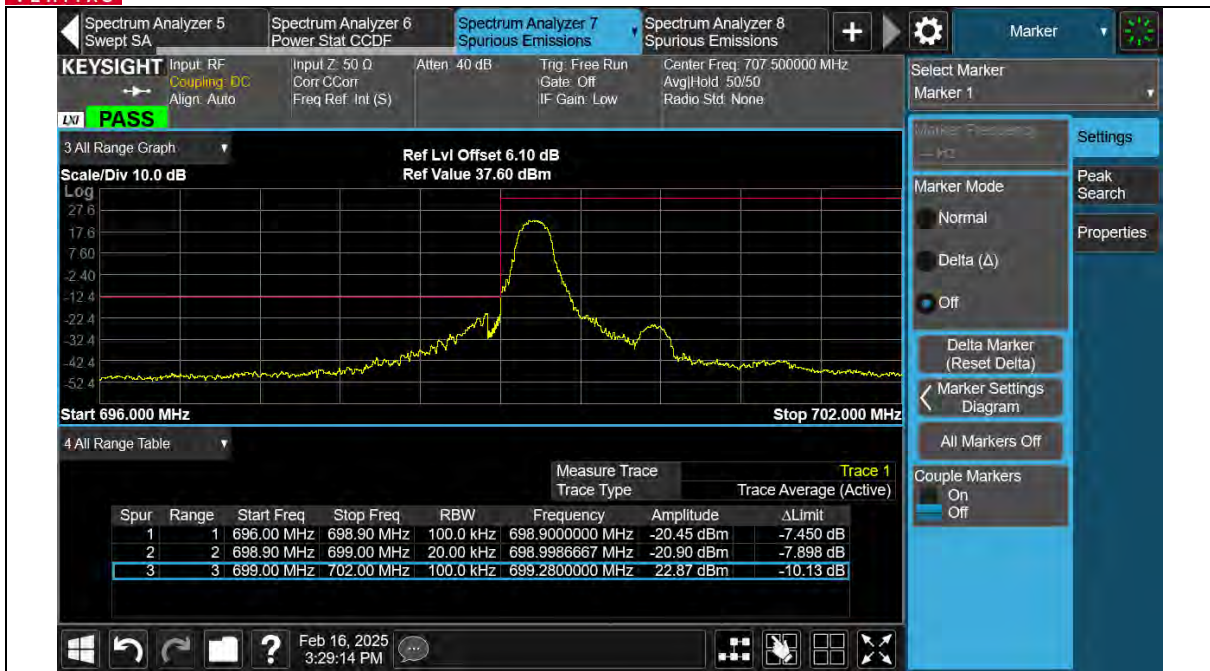


Band12-1.4MHz-16QAM-23017-1RB#0



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-1.4MHz-16QAM-23017-6RB#0

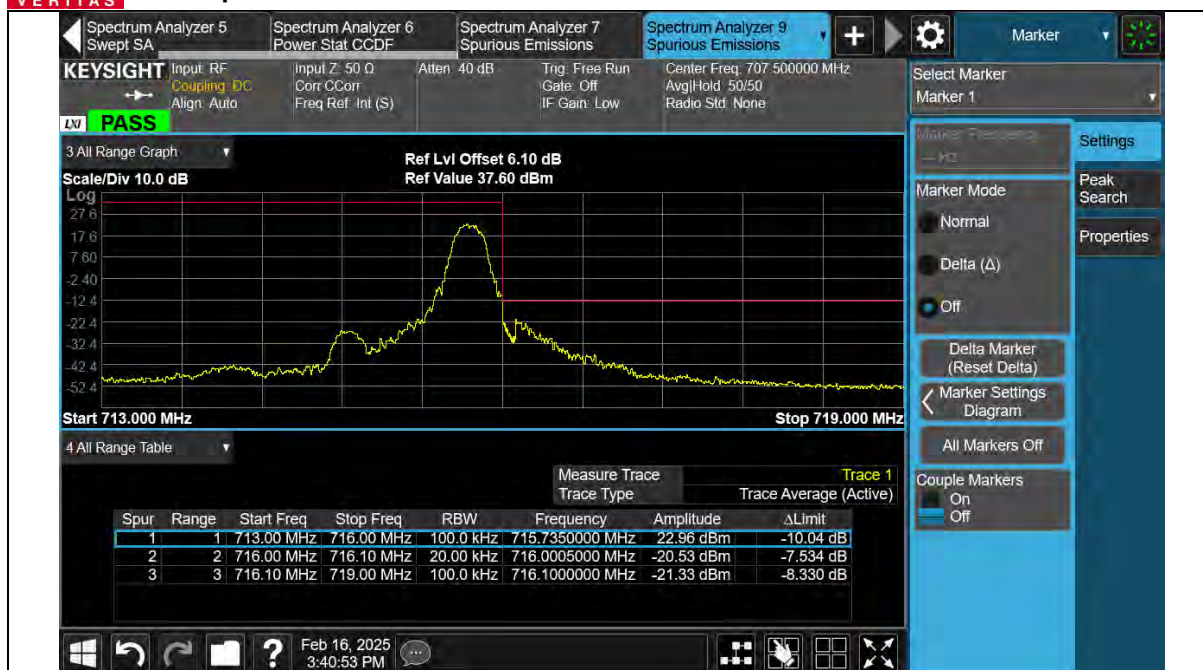


Band12-1.4MHz-16QAM-23173-1RB#5



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-1.4MHz-16QAM-23173-6RB#0

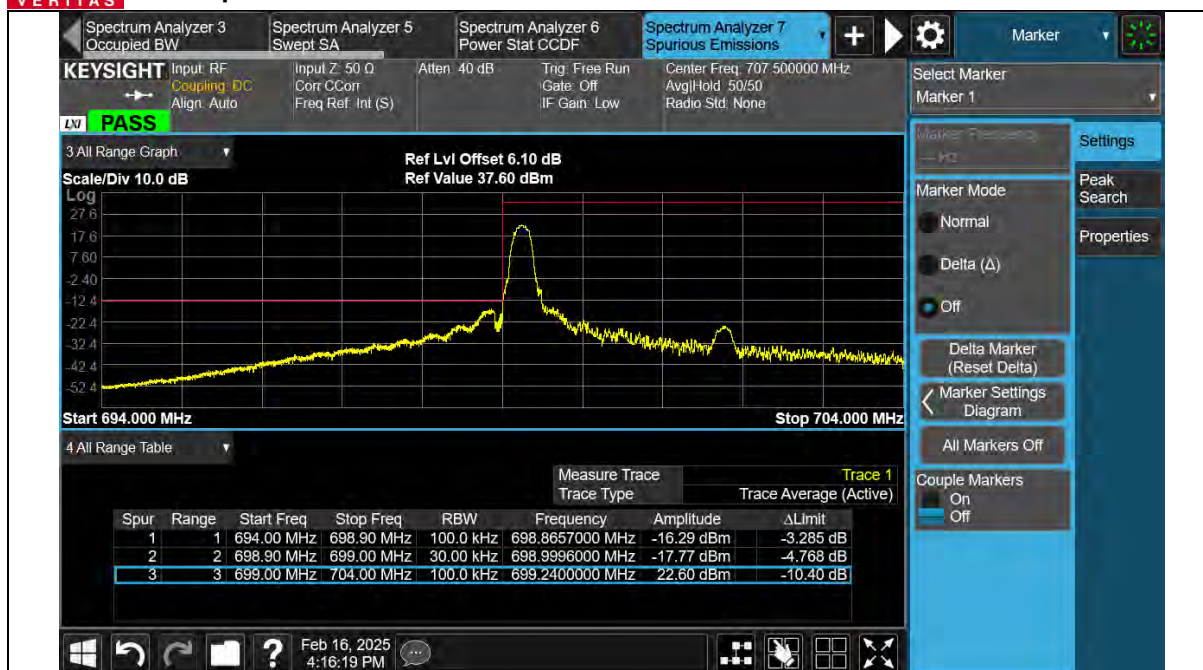


Band12-3MHz-QPSK-23025-1RB#0



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-3MHz-QPSK-23025-15RB#0

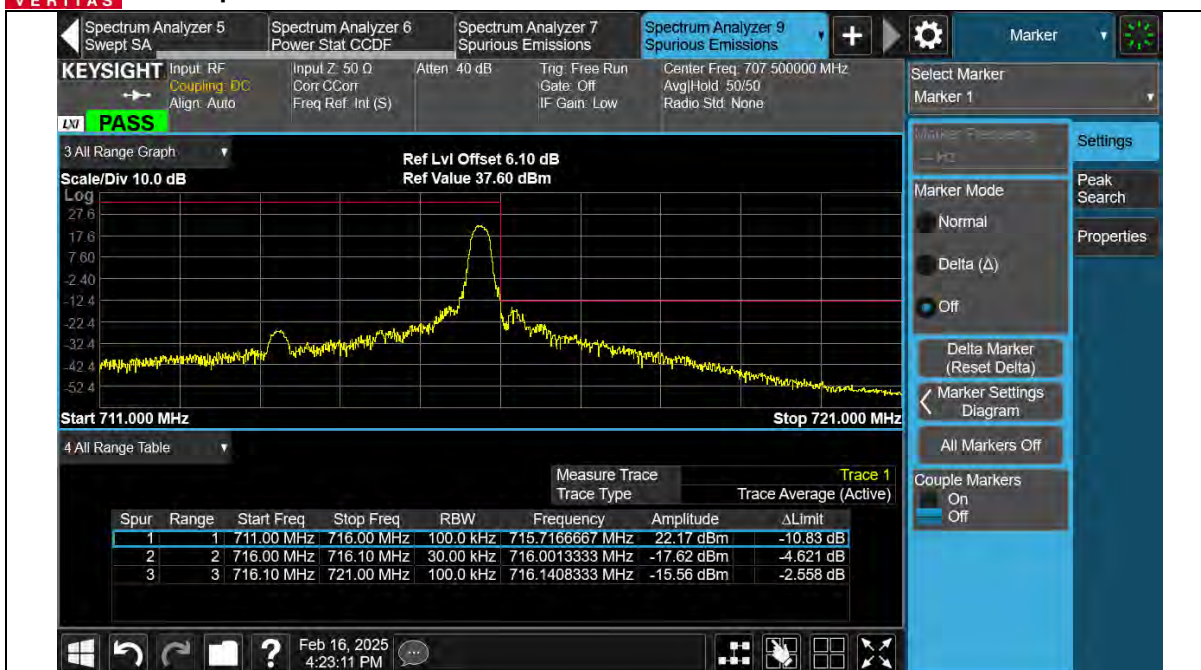


Band12-3MHz-QPSK-23165-1RB#14



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-3MHz-QPSK-23165-15RB#0

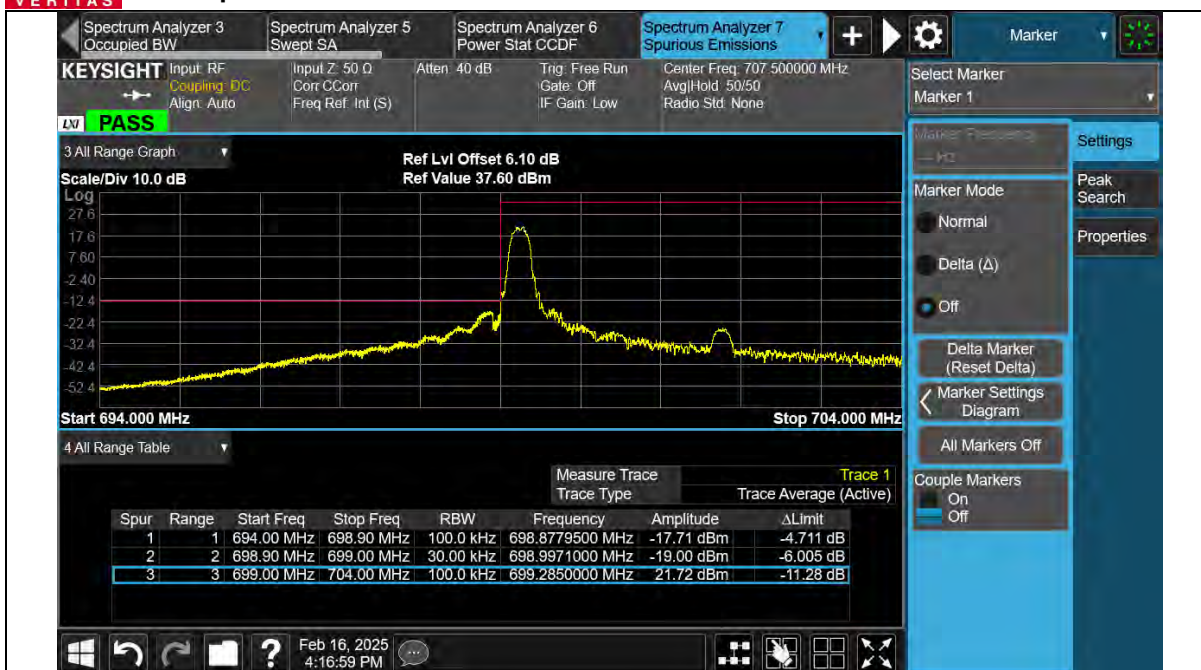


Band12-3MHz-16QAM-23025-1RB#0



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-3MHz-16QAM-23025-15RB#0

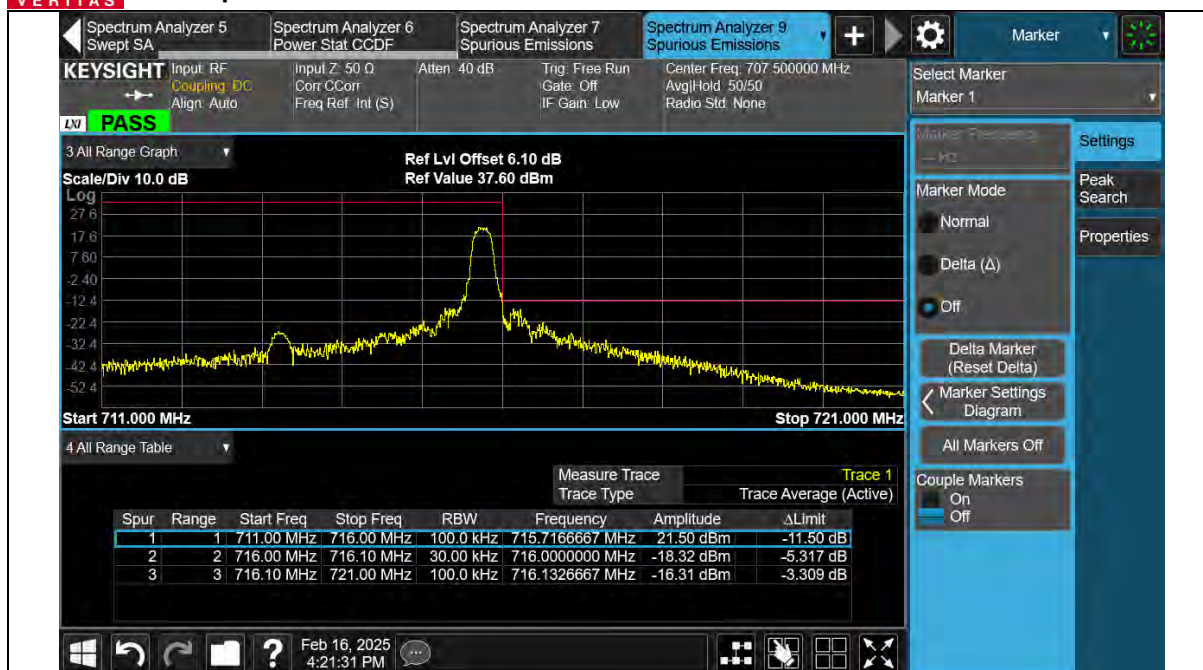


Band12-3MHz-16QAM-23165-1RB#14



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VERITAS

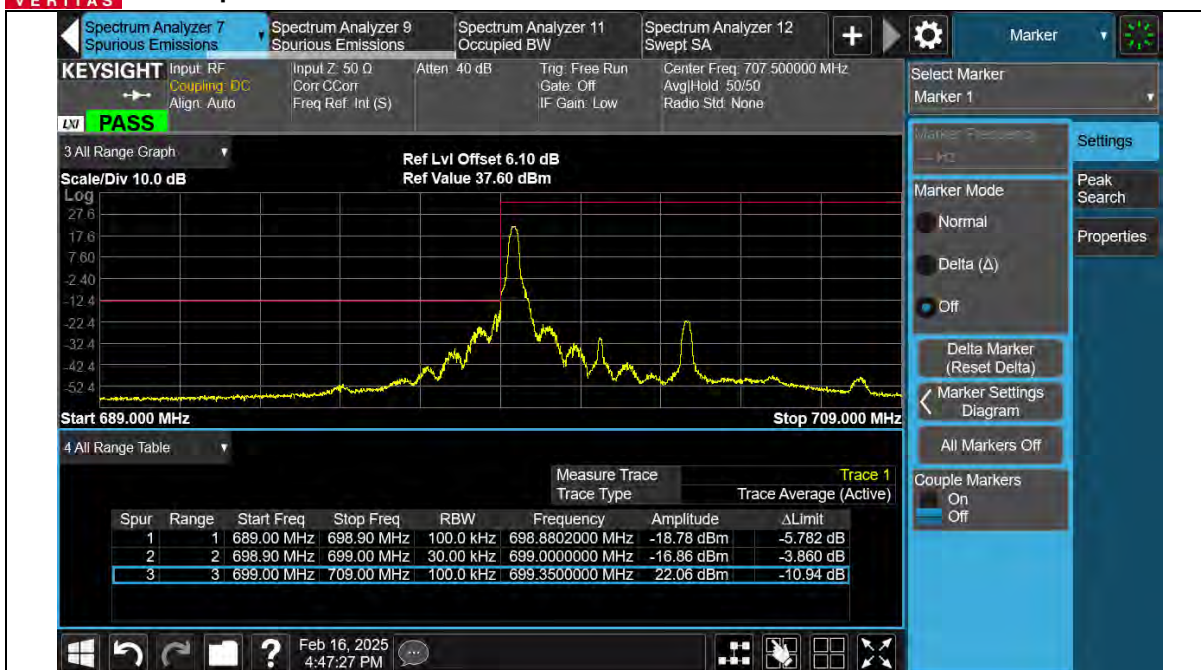
Test Report No.: PSZ-NQN2412300616RF03



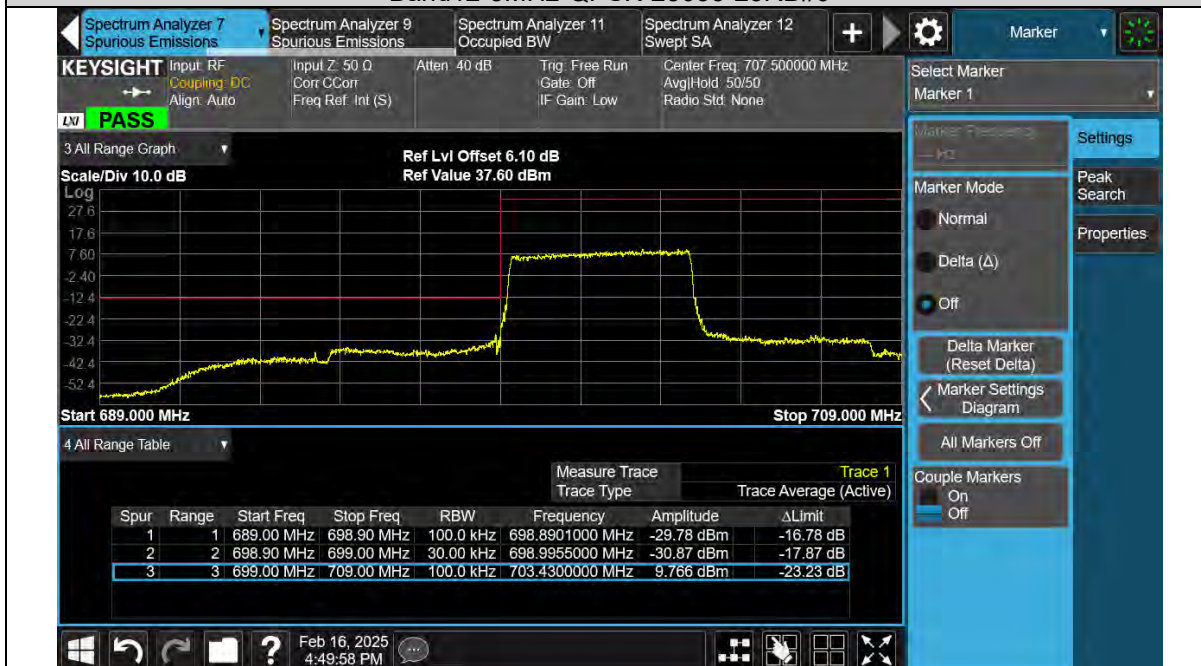
Band12-3MHz-16QAM-23165-15RB#0



Band12-5MHz-QPSK-23035-1RB#0



Band12-5MHz-QPSK-23035-25RB#0

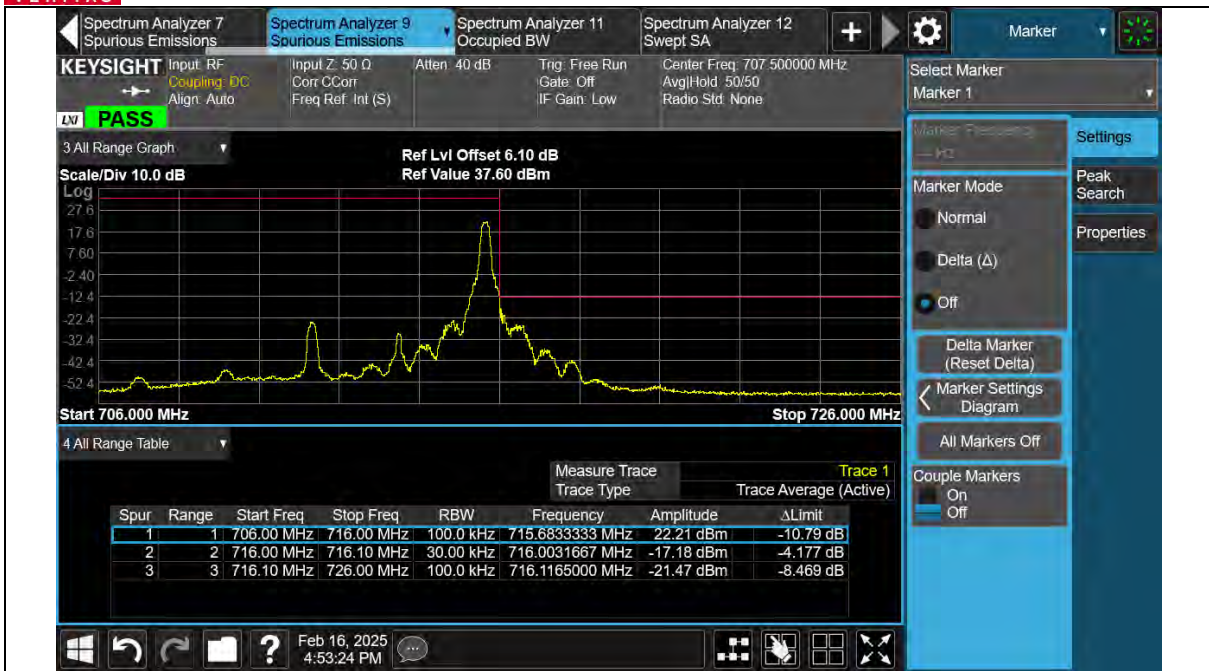


Band12-5MHz-QPSK-23155-1RB#24



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Test Report No.: PSZ-NQN2412300616RF03



Band12-5MHz-QPSK-23155-25RB#0

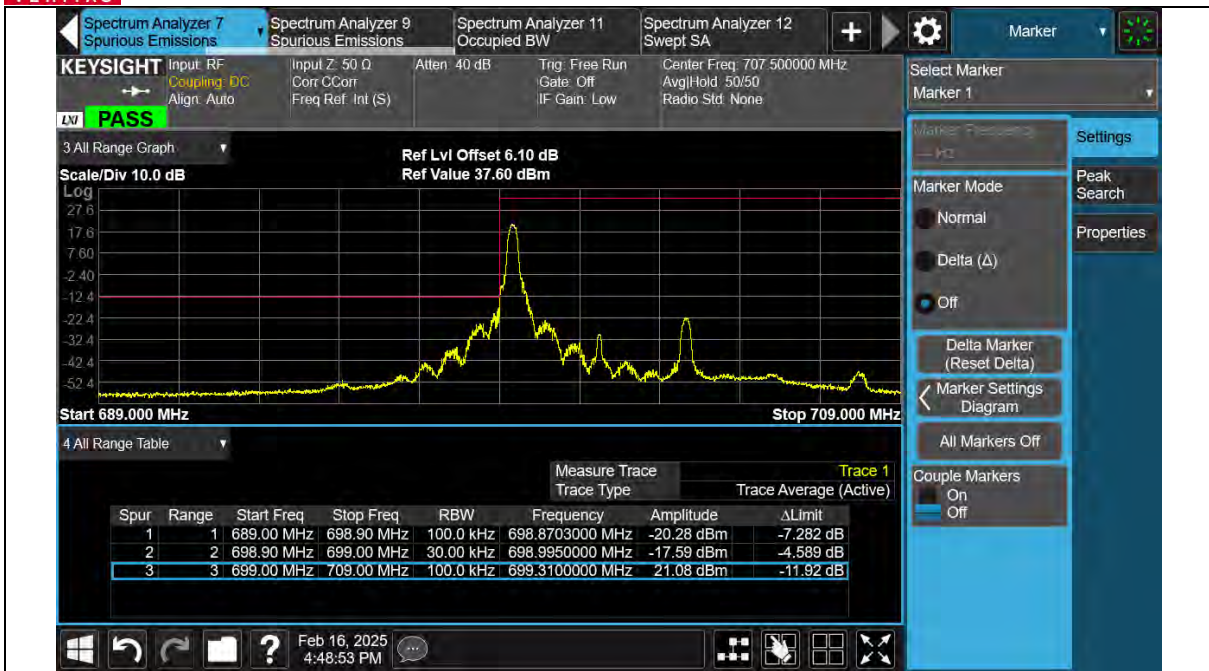


Band12-5MHz-16QAM-23035-1RB#0

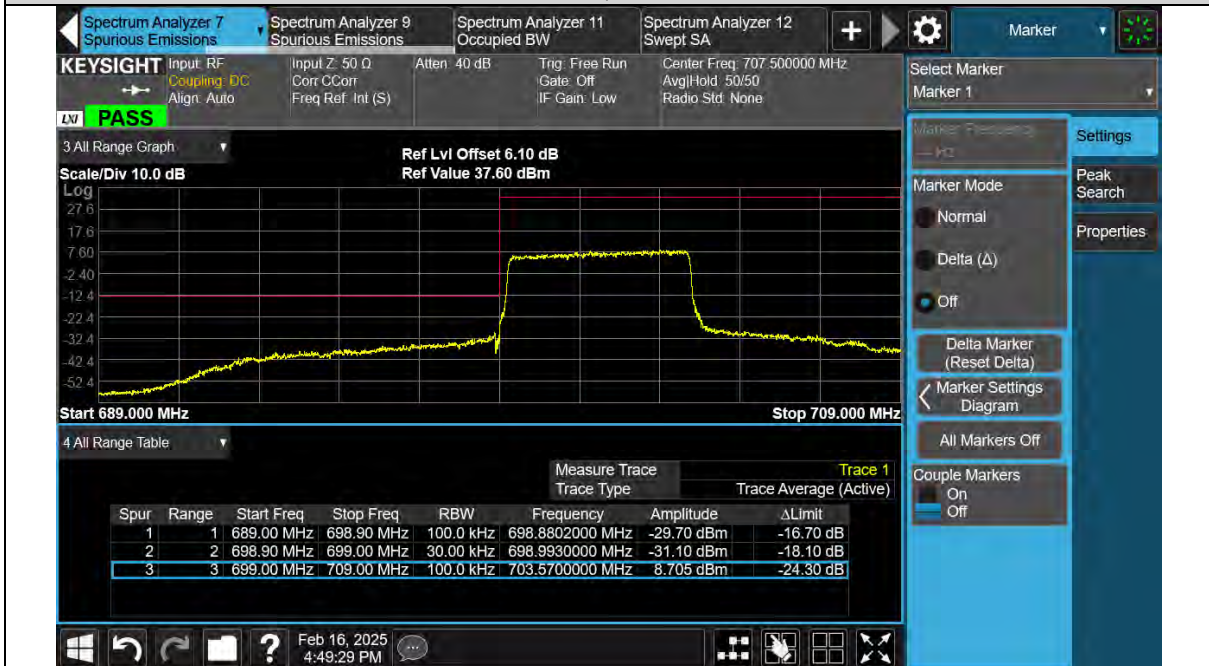


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-5MHz-16QAM-23035-25RB#0

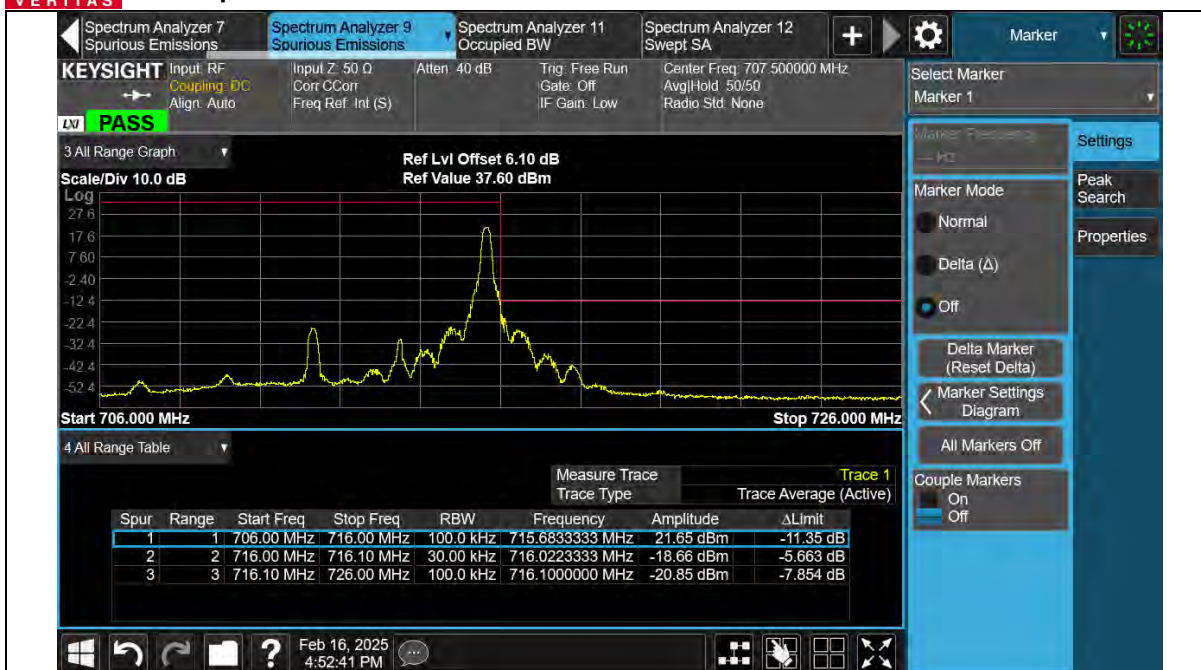


Band12-5MHz-16QAM-23155-1RB#24

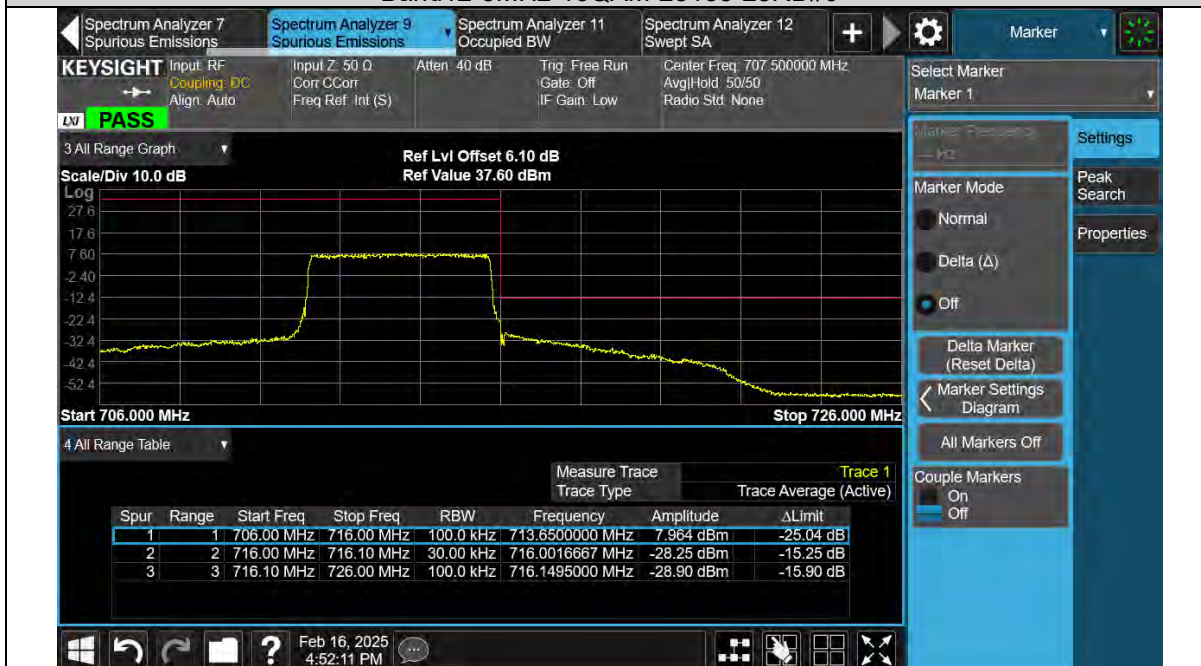


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-5MHz-16QAM-23155-25RB#0

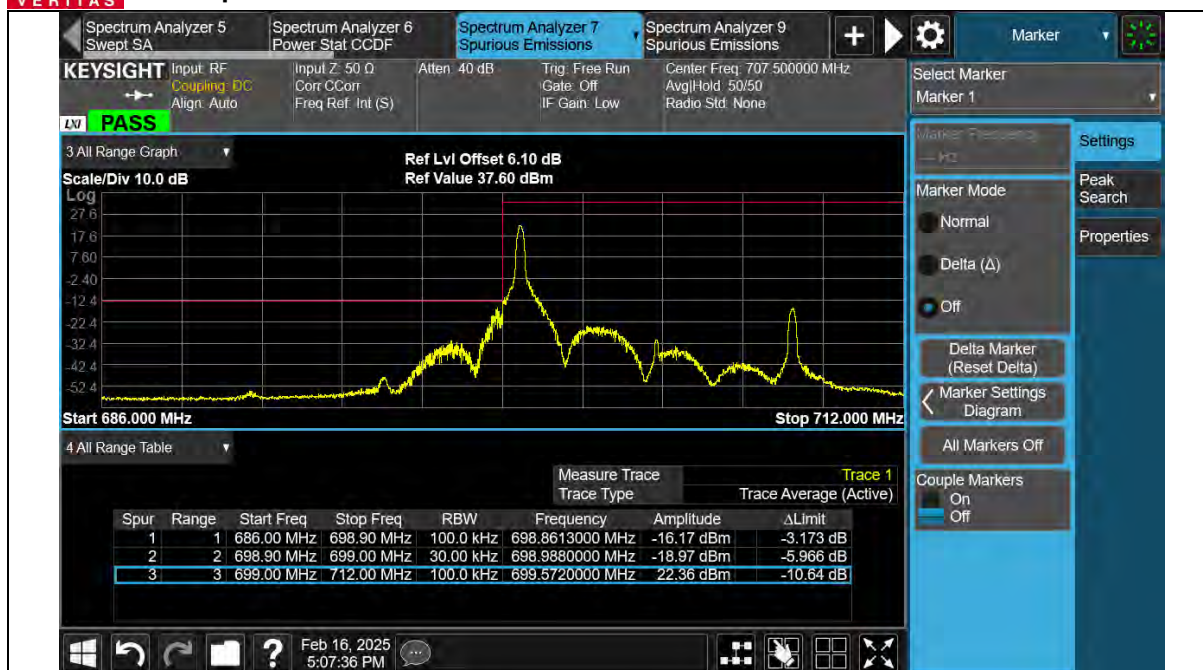


Band12-10MHz-QPSK-23060-1RB#0



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-10MHz-QPSK-23060-50RB#0

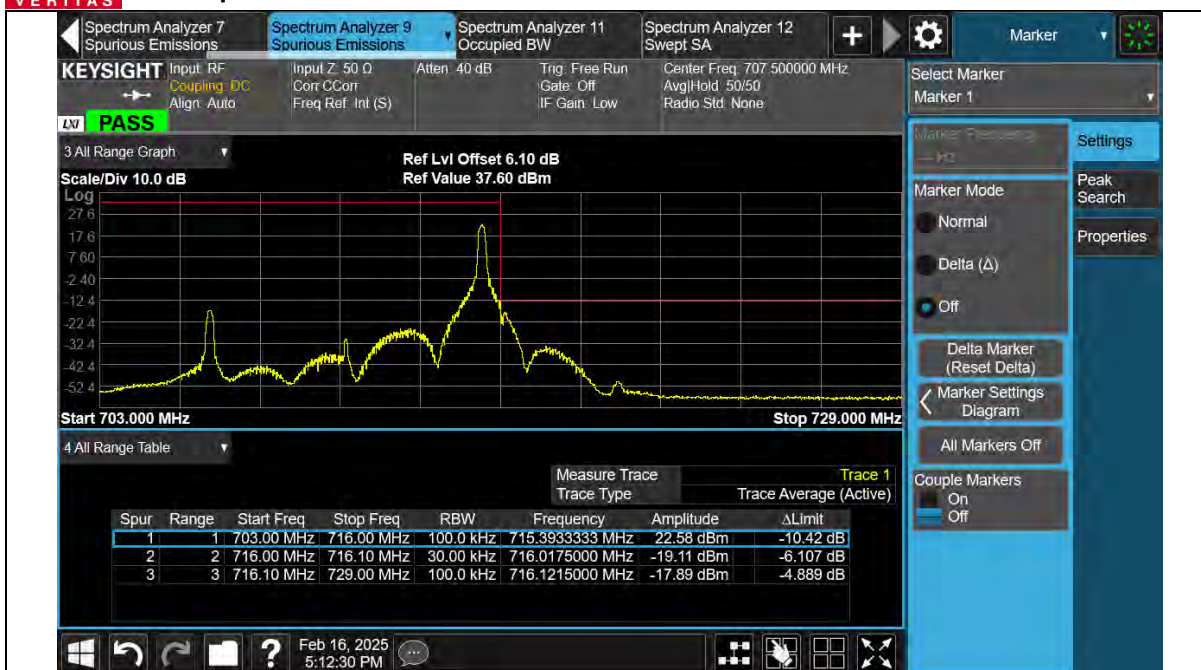


Band12-10MHz-QPSK-23130-1RB#49

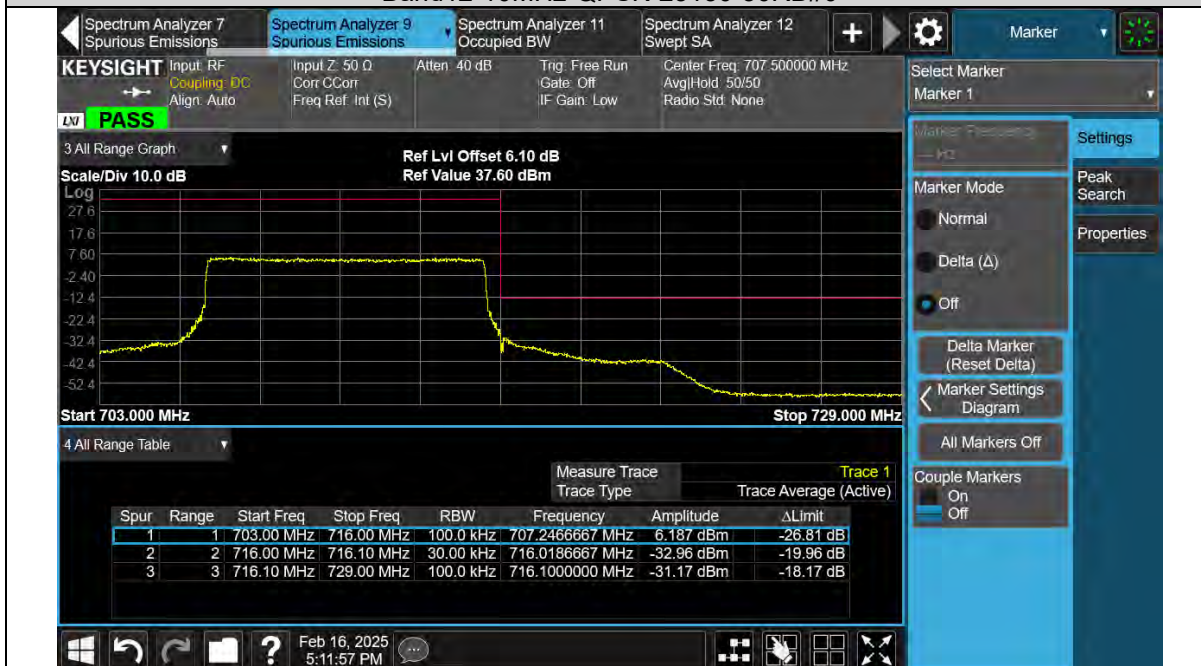


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Test Report No.: PSZ-NQN2412300616RF03



Band12-10MHz-QPSK-23130-50RB#0

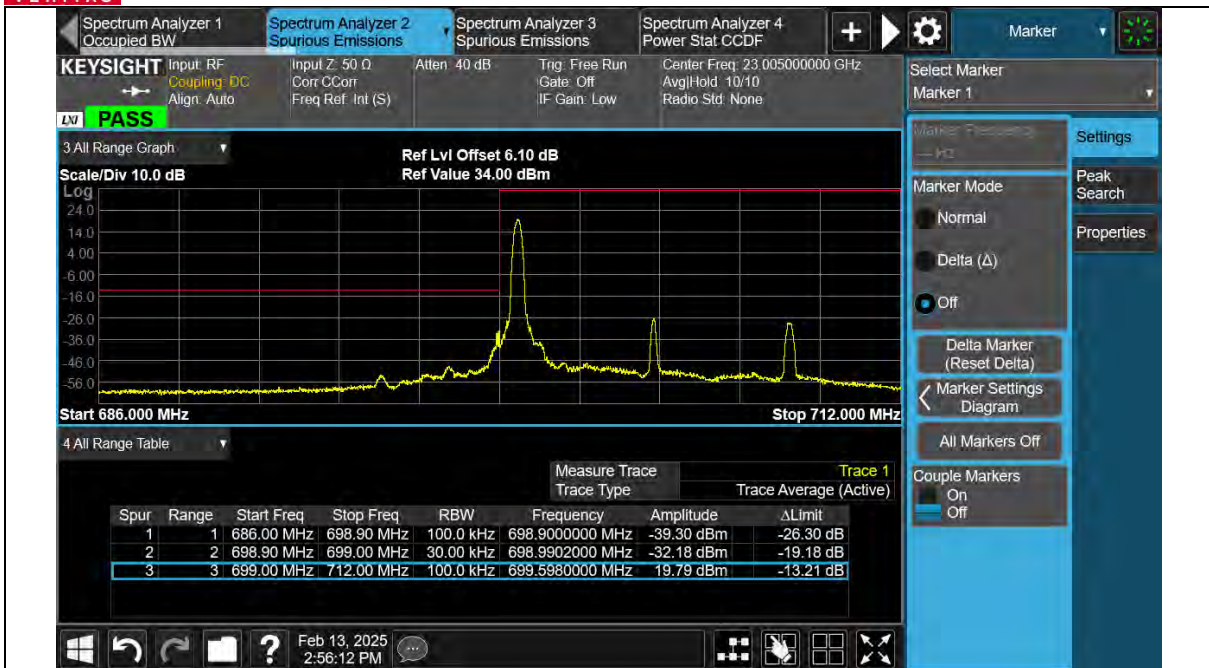


Band12-10MHz-16QAM-23060-1RB#0

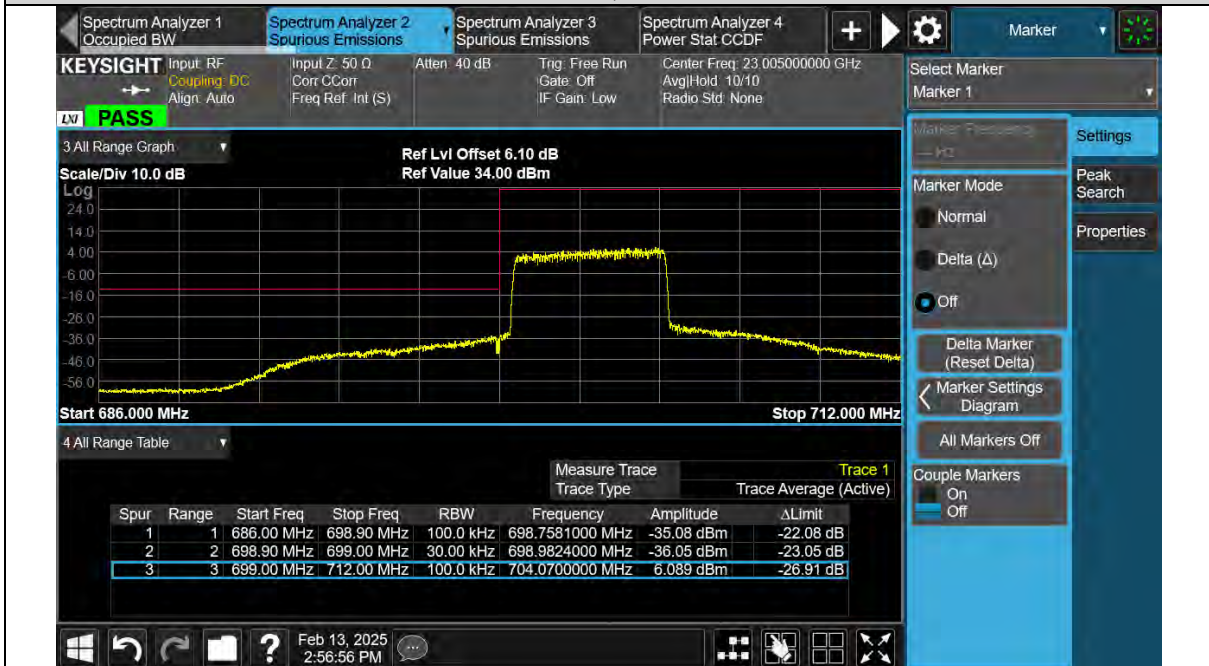


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Test Report No.: PSZ-NQN2412300616RF03



Band12-10MHz-16QAM-23060-27RB#0

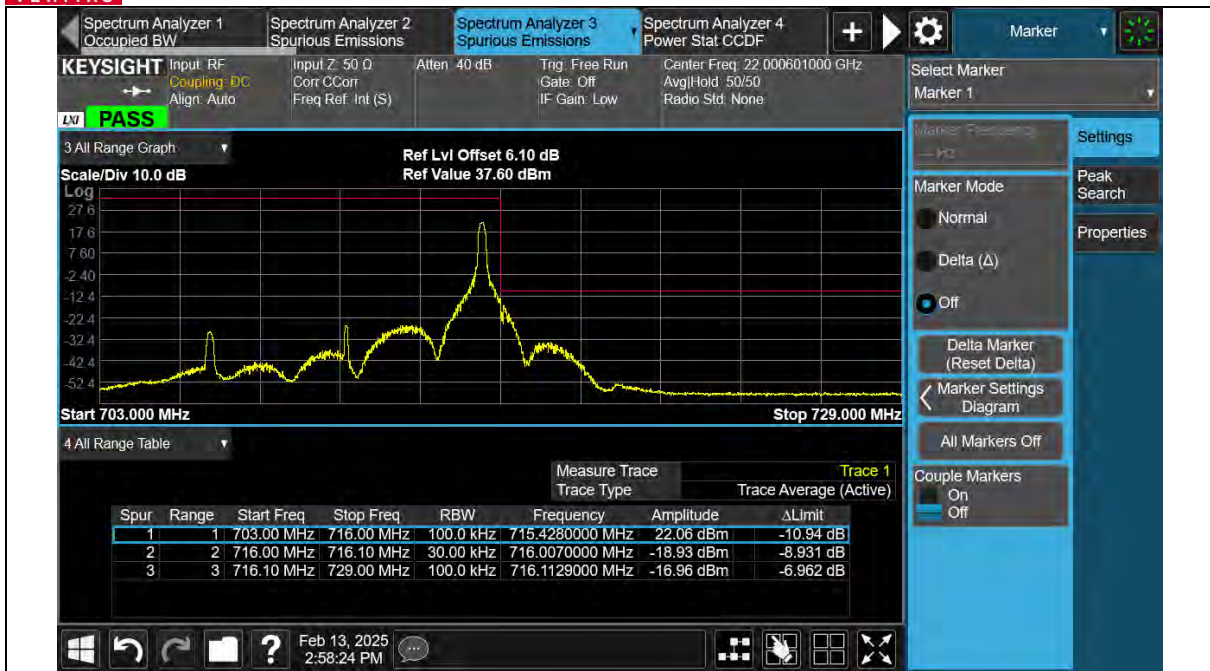


Band12-10MHz-16QAM-23130-1RB#49

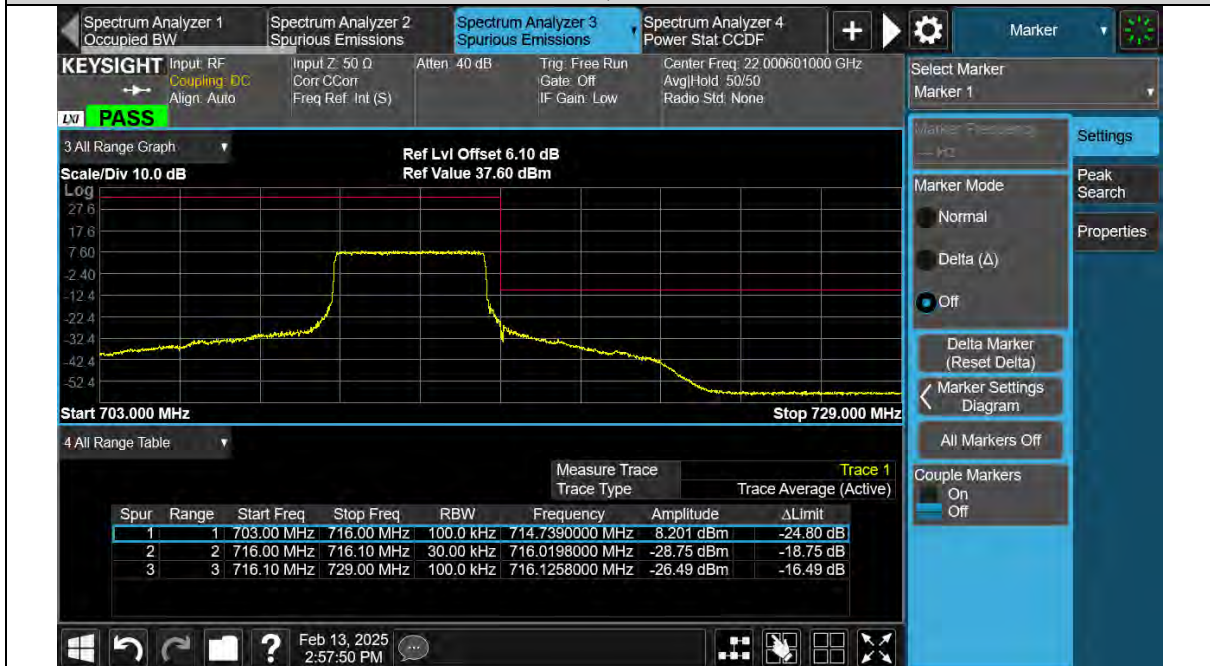


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-10MHz-16QAM-23130-27RB#23



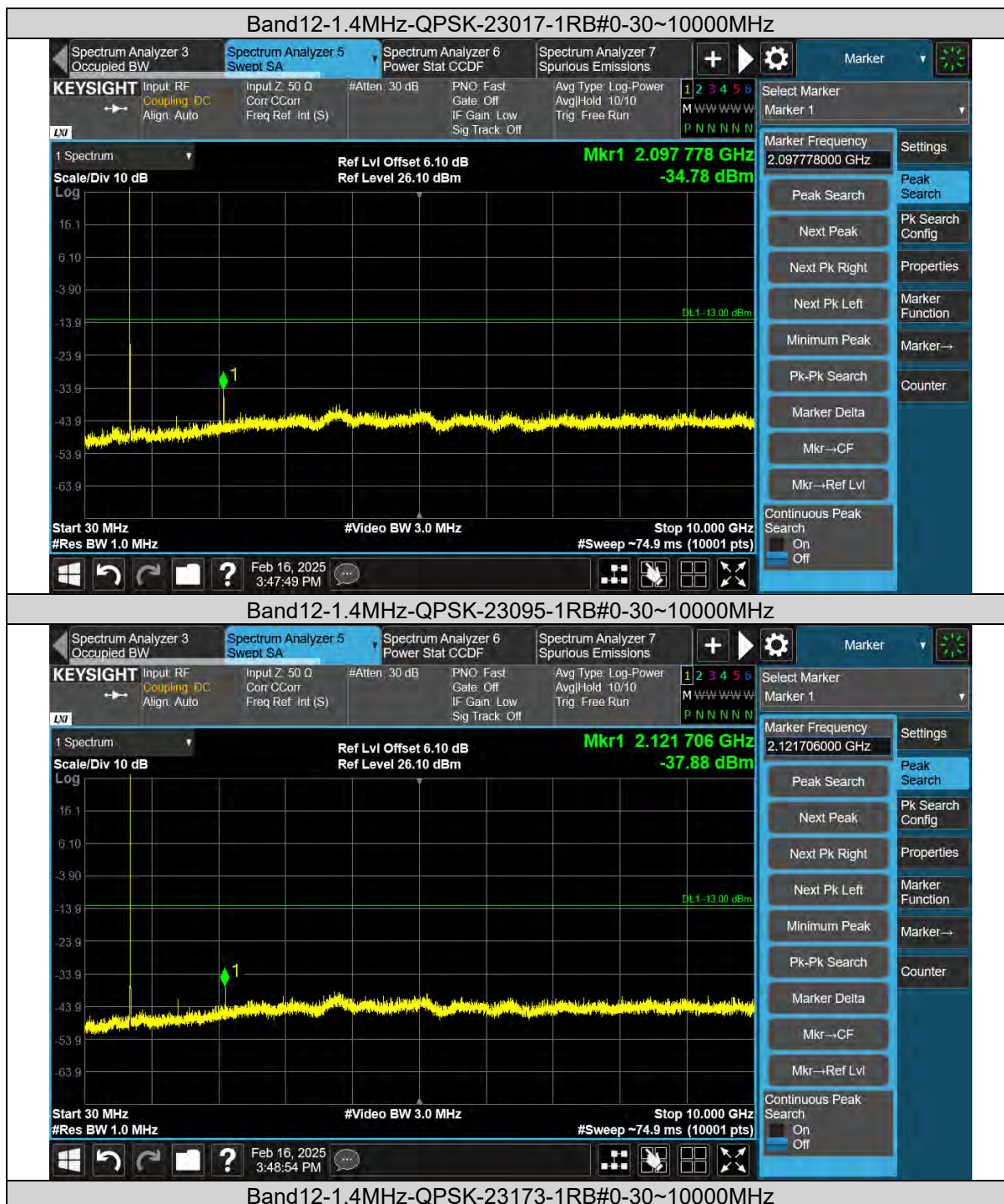
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	30~10000MHz	See Graph	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~10000MHz	See Graph	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~10000MHz	See Graph	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~10000MHz	See Graph	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~10000MHz	See Graph	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~10000MHz	See Graph	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~10000MHz	See Graph	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~10000MHz	See Graph	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~10000MHz	See Graph	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~10000MHz	See Graph	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~10000MHz	See Graph	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~10000MHz	See Graph	PASS

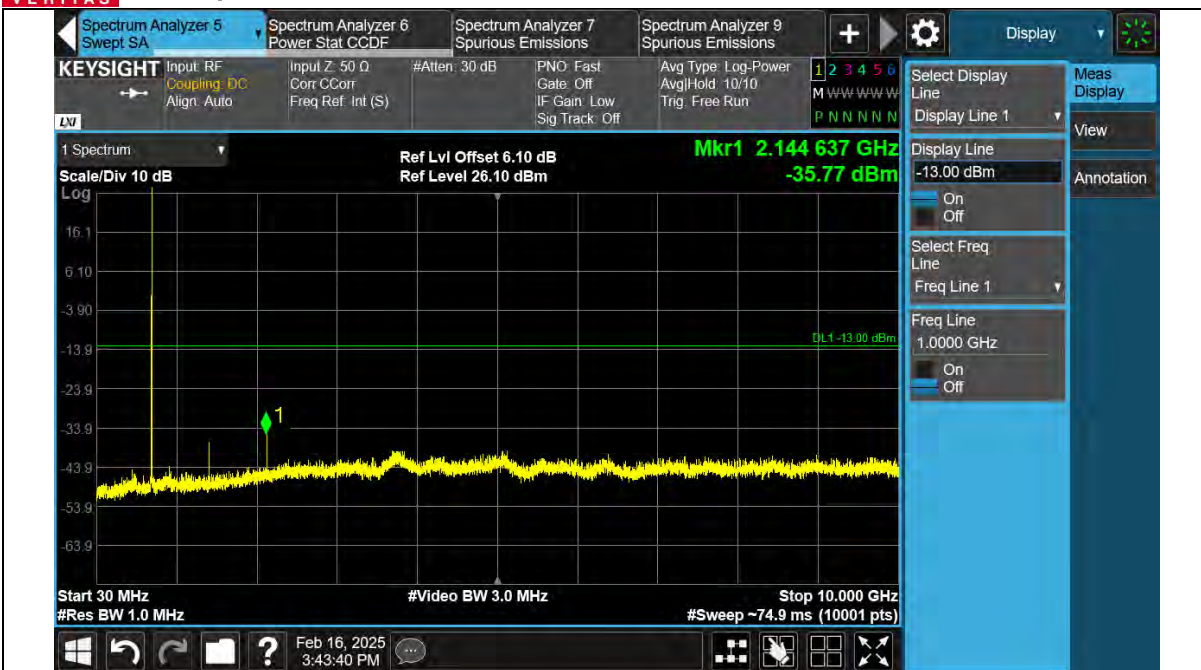


Test Graphs

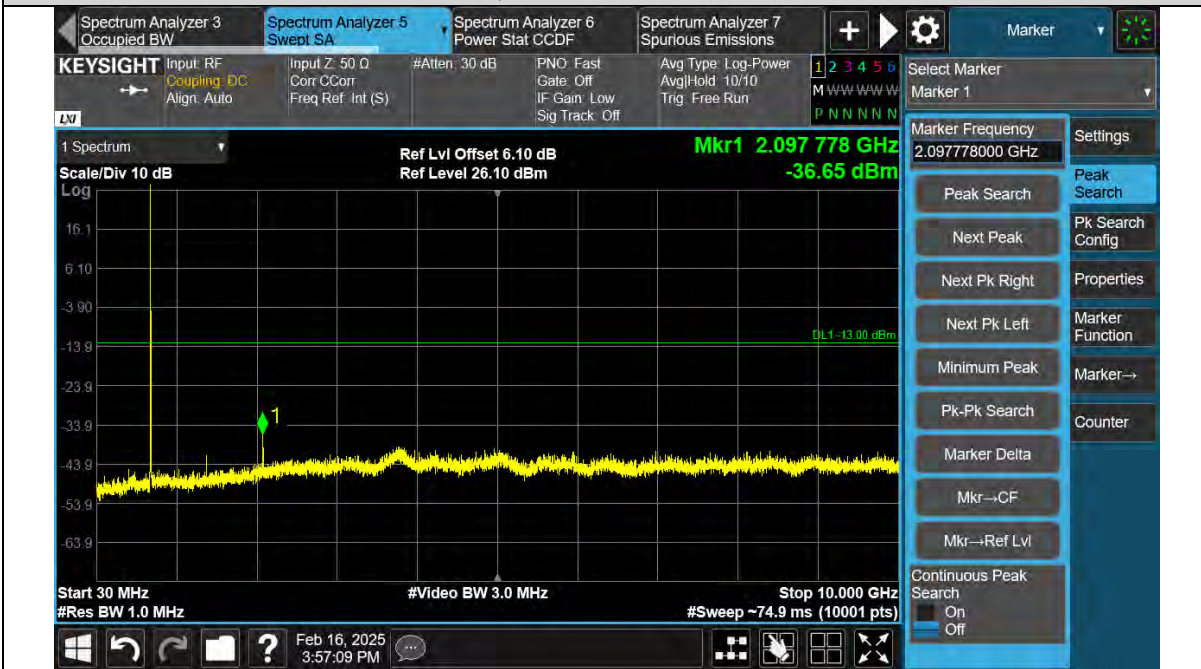




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Band12-3MHz-QPSK-23025-1RB#0-30~10000MHz

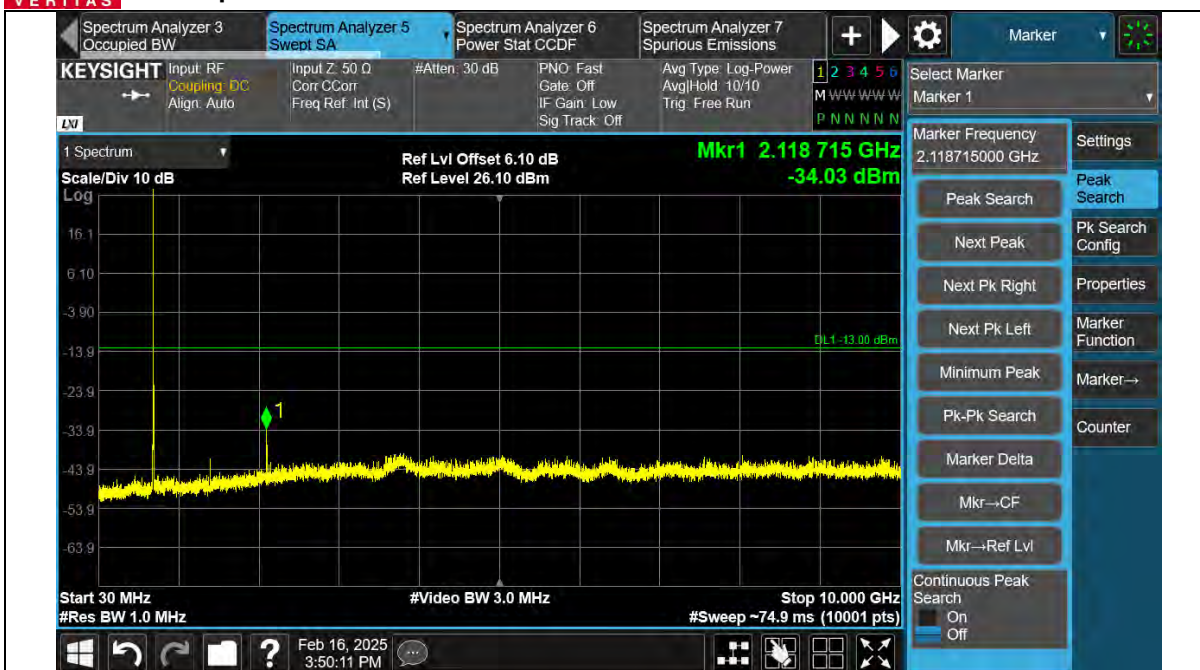


Band12-3MHz-QPSK-23095-1RB#0-30~10000MHz

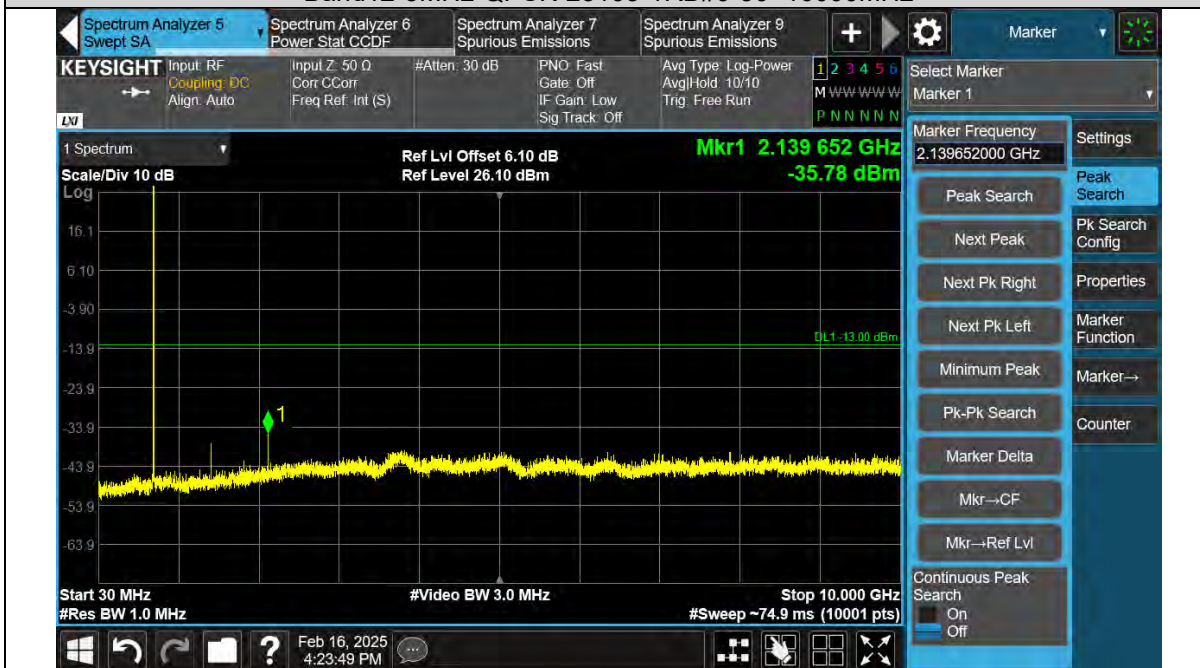


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Test Report No.: PSZ-NQN2412300616RF03



Band12-3MHz-QPSK-23165-1RB#0-30~10000MHz

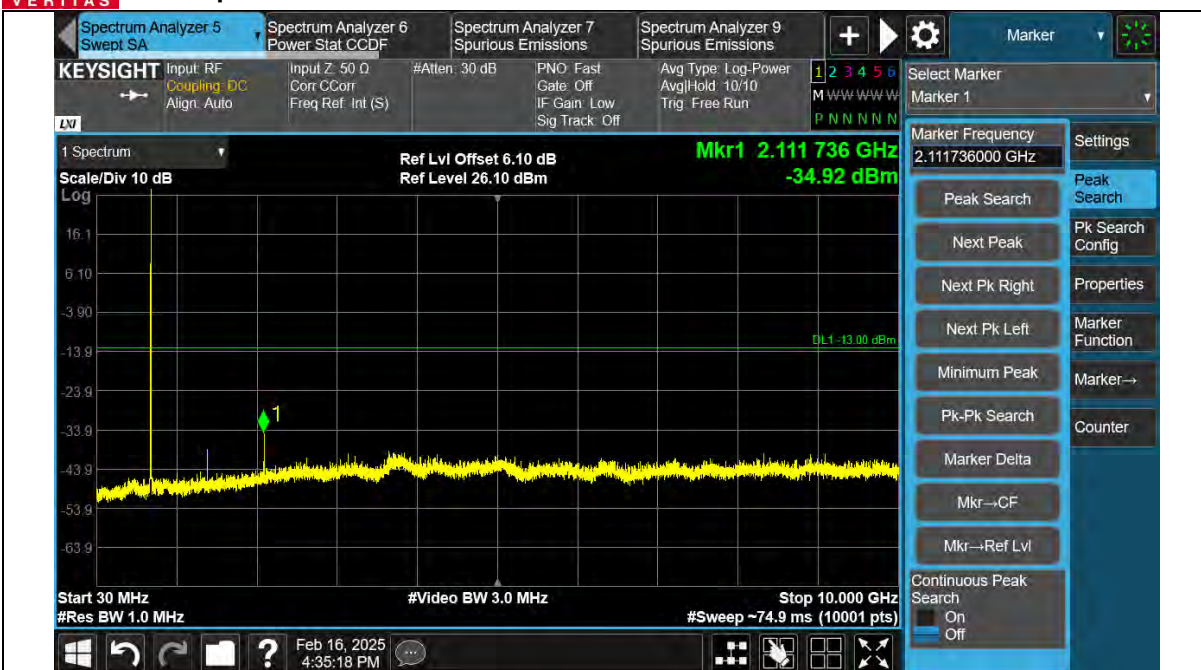


Band12-5MHz-QPSK-23035-1RB#0-30~10000MHz

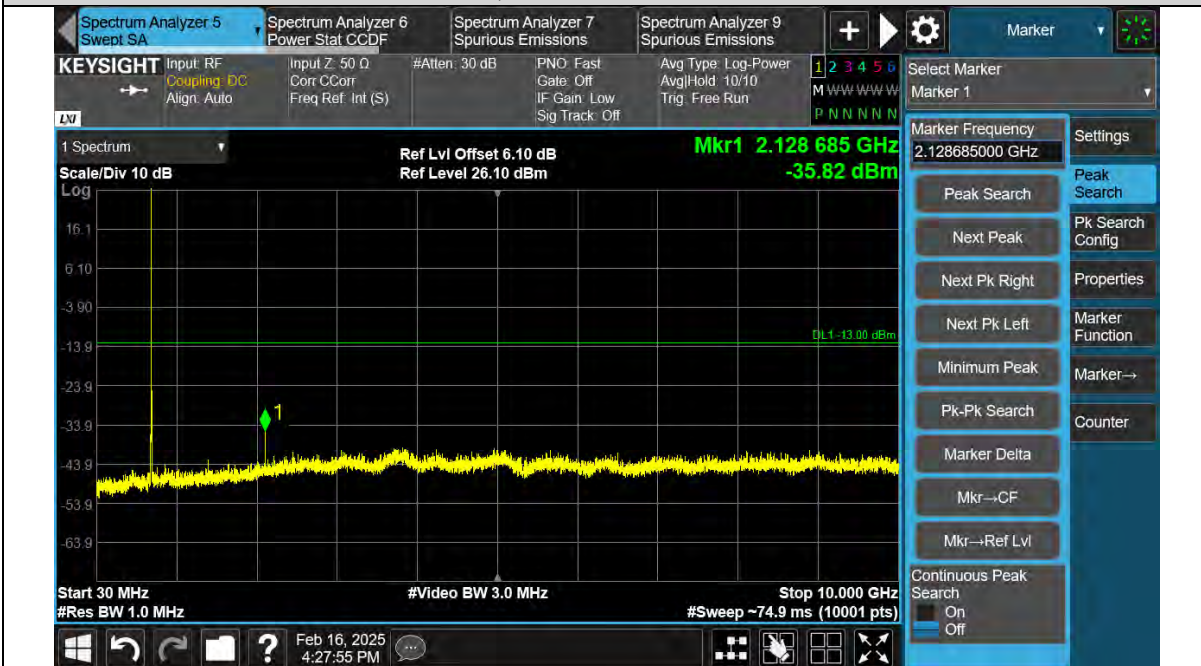


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Test Report No.: PSZ-NQN2412300616RF03



Band12-5MHz-QPSK-23095-1RB#0-30~10000MHz

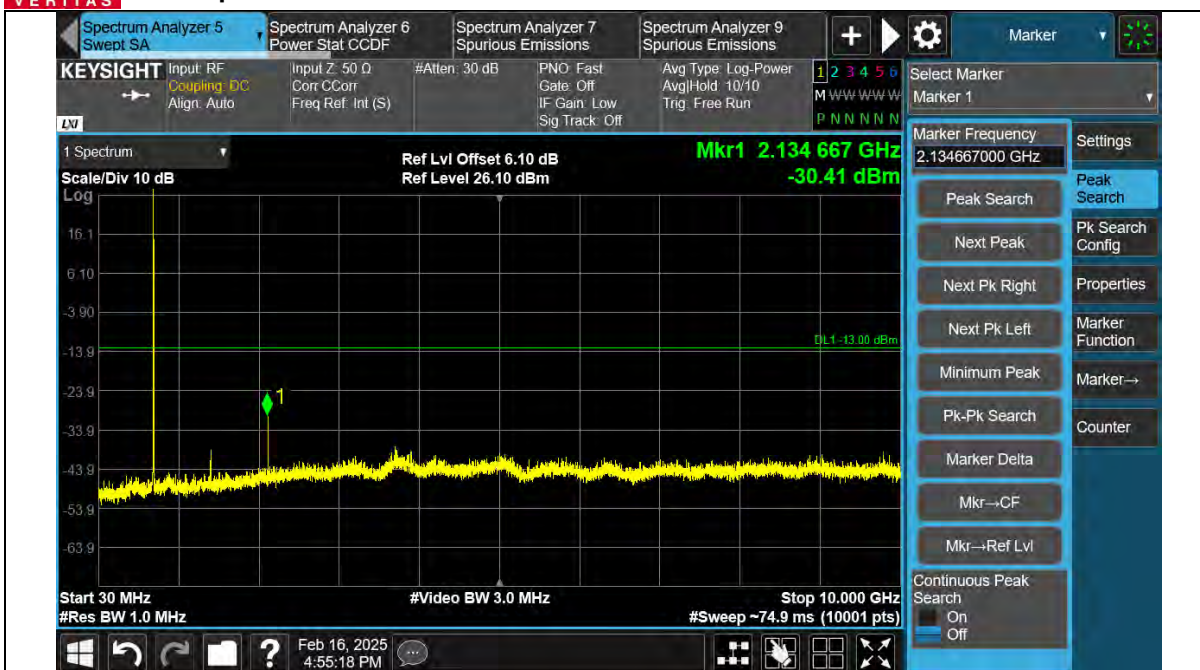


Band12-5MHz-QPSK-23155-1RB#0-30~10000MHz

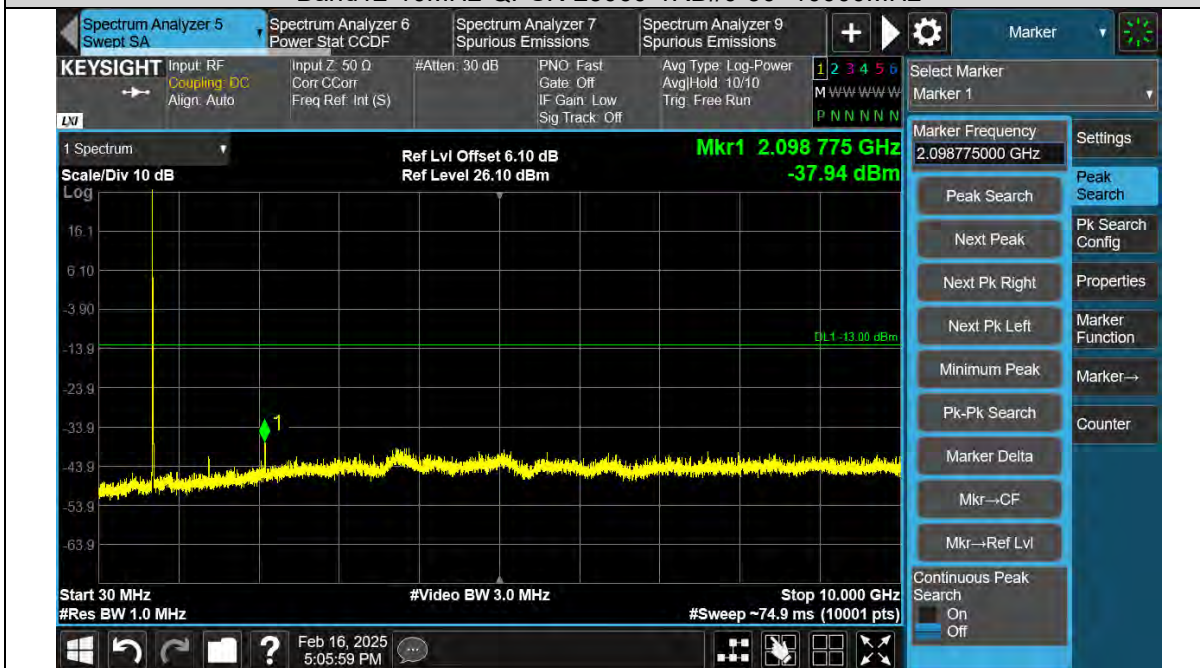


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Test Report No.: PSZ-NQN2412300616RF03



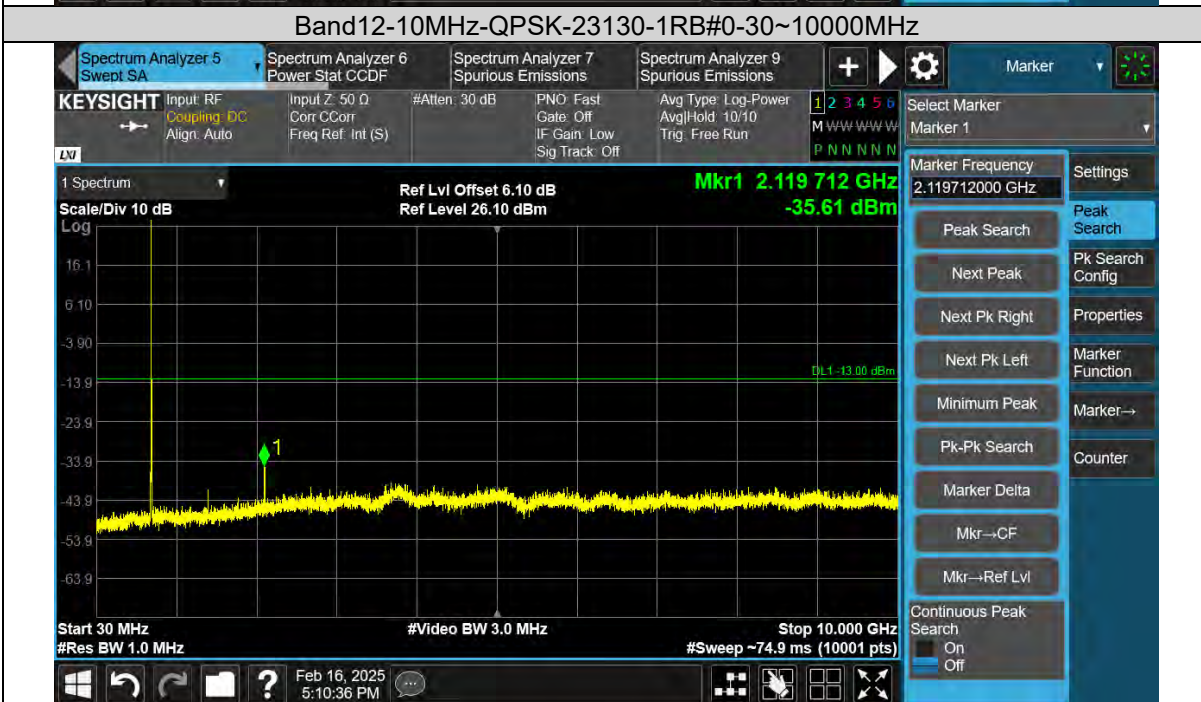
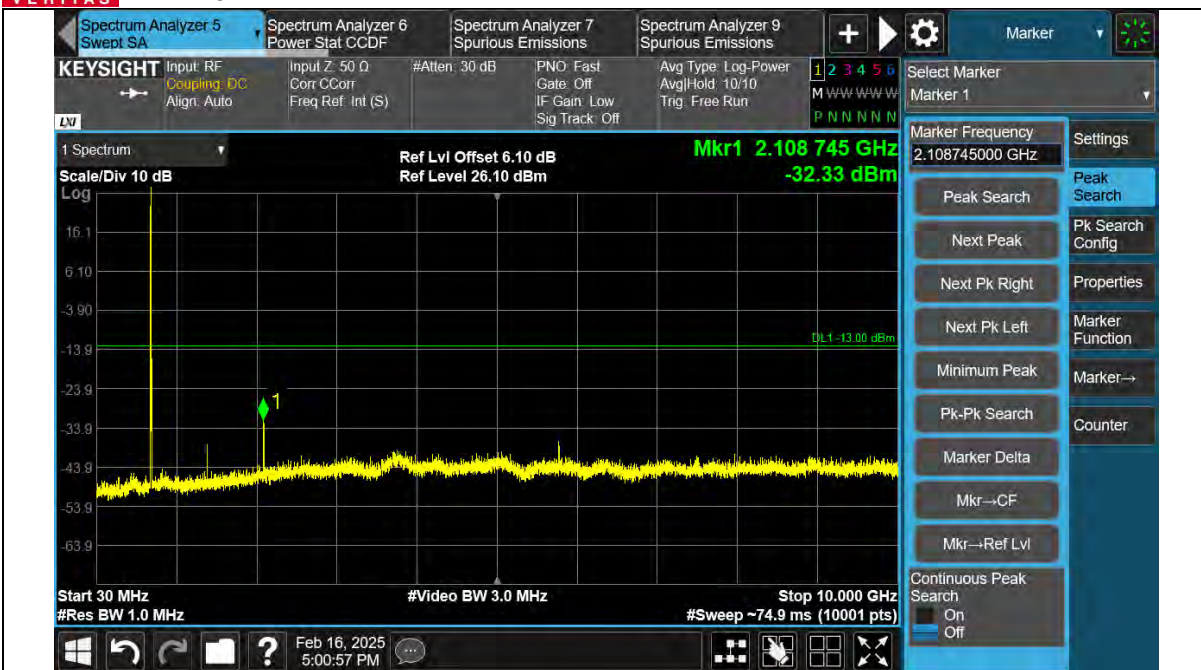
Band12-10MHz-QPSK-23060-1RB#0-30~10000MHz



Band12-10MHz-QPSK-23095-1RB#0-30~10000MHz



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03





BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	LV	NT	-9.53	-0.000413	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	NT	-14.1	-0.000611	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	HV	NT	-0.4	-0.000017	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	LV	NT	2.2	0.000095	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	NT	-8.1	-0.000351	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	HV	NT	-13	-0.000563	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	LV	NT	7.7	0.000333	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	NT	7.4	0.000320	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	HV	NT	13	0.000562	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-4.9	-0.000212	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	-10.3	-0.000447	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-20.1	-0.000872	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	17.8	0.000772	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	4.4	0.000191	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	8.3	0.000360	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	9.6	0.000416	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	-21.5	-0.000932	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	15.7	0.000680	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	19.1	0.000827	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-12.2	-0.000528	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	15.4	0.000667	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-4.7	-0.000204	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-16.5	-0.000714	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	13.4	0.000580	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	9.5	0.000411	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	2	0.000086	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-16	-0.000692	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	12.3	0.000532	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-20.4	-0.000882	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-22	-0.000951	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	6.9	0.000298	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	11.5	0.000497	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	8.5	0.000367	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-4.9	-0.000212	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-10.3	-0.000447	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-20.1	-0.000872	±2.5	PASS

LTE BAND13

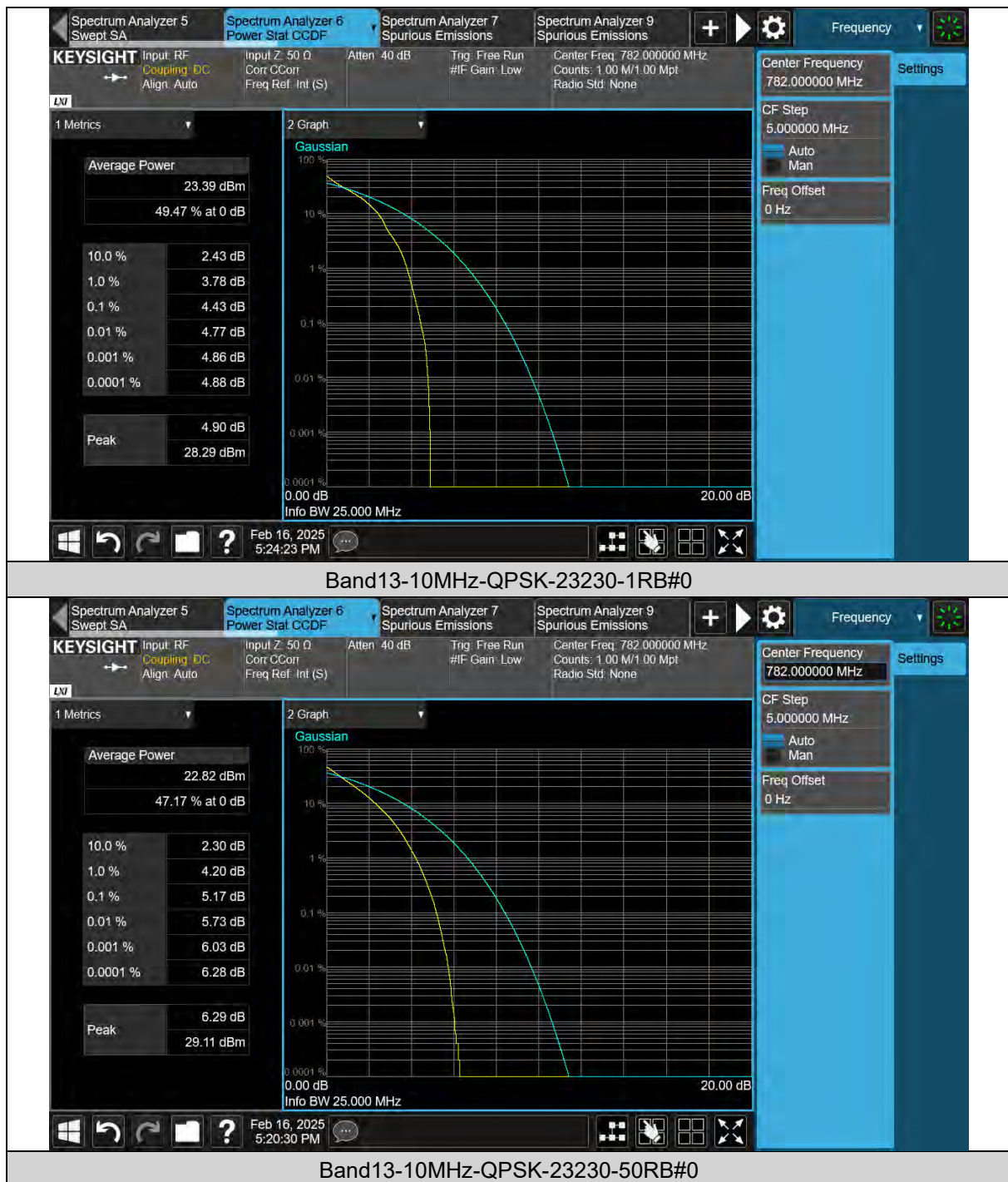
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	4.43	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.17	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.38	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.78	13	PASS



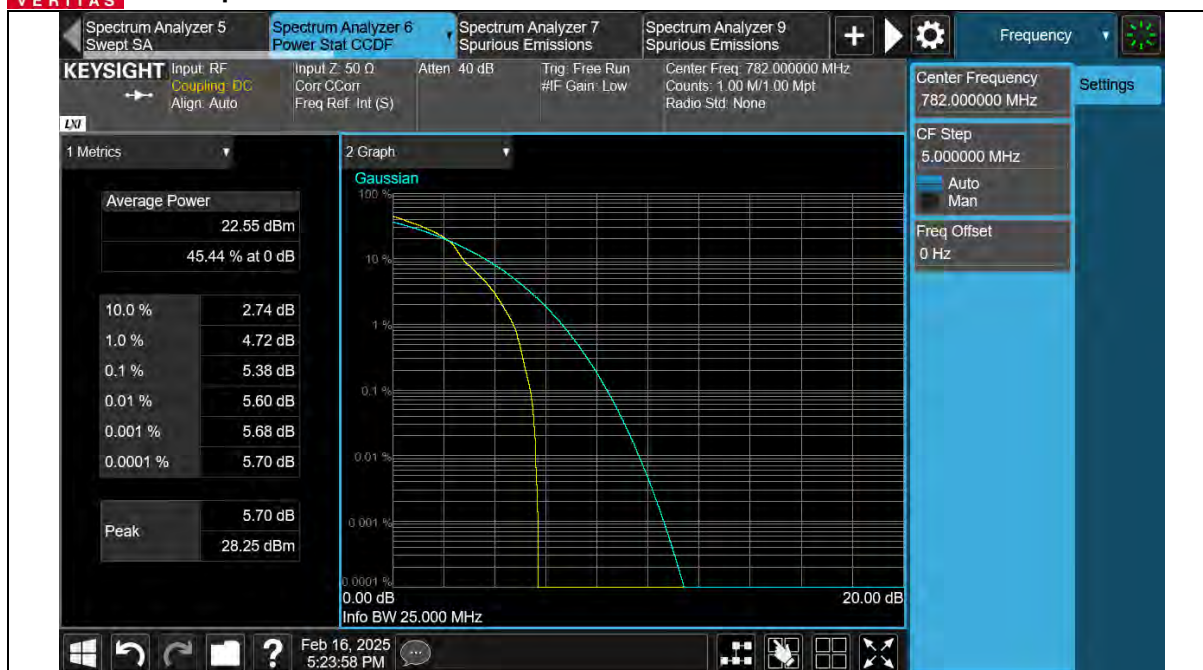
Test Graphs



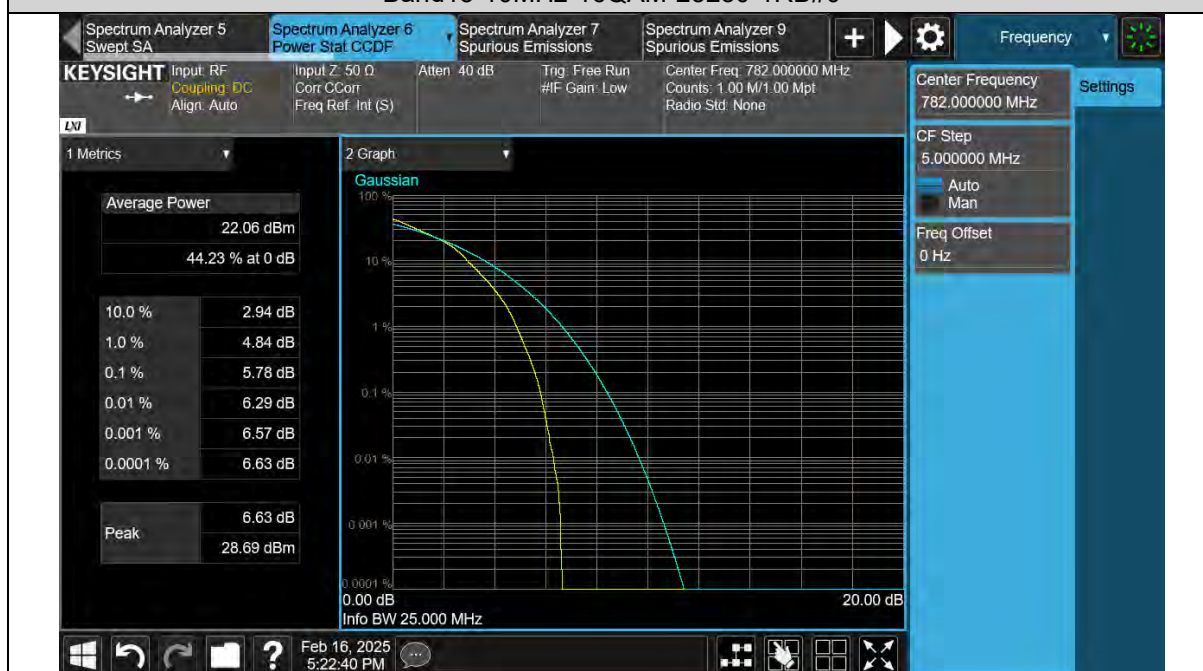


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Test Report No.: PSZ-NQN2412300616RF03



Band13-10MHz-16QAM-23230-1RB#0



Band13-10MHz-16QAM-23230-27RB#0

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.459	4.747	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.464	4.765	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.455	4.740	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.459	4.742	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.459	4.742	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.454	4.747	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.904	9.264	PASS
Band13	10MHz	16QAM	23230	27RB#0	4.812	5.207	PASS



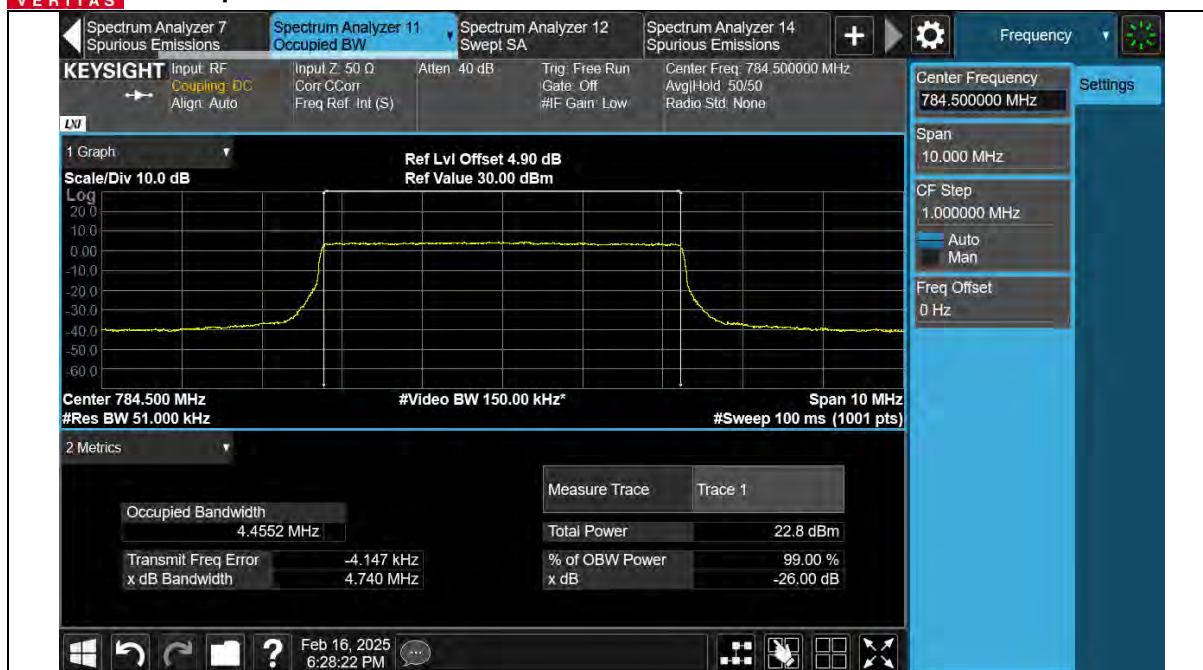
Test Graphs



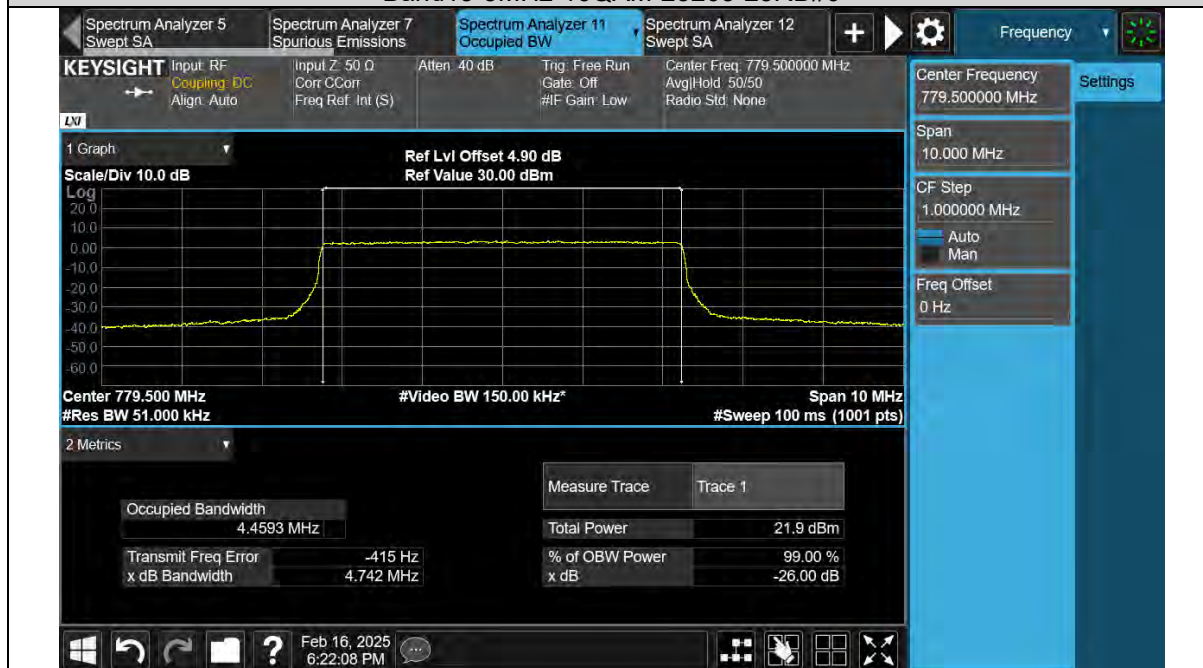


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Test Report No.: PSZ-NQN2412300616RF03



Band13-5MHz-16QAM-23205-25RB#0



Band13-5MHz-16QAM-23230-25RB#0

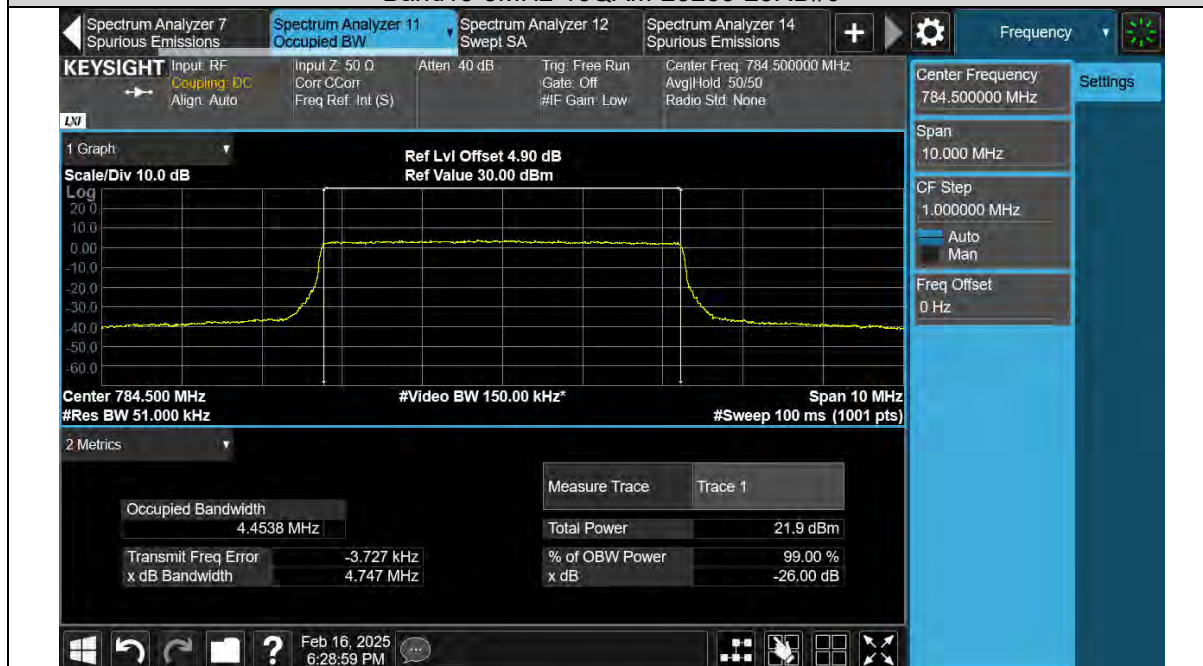


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band13-5MHz-16QAM-23255-25RB#0

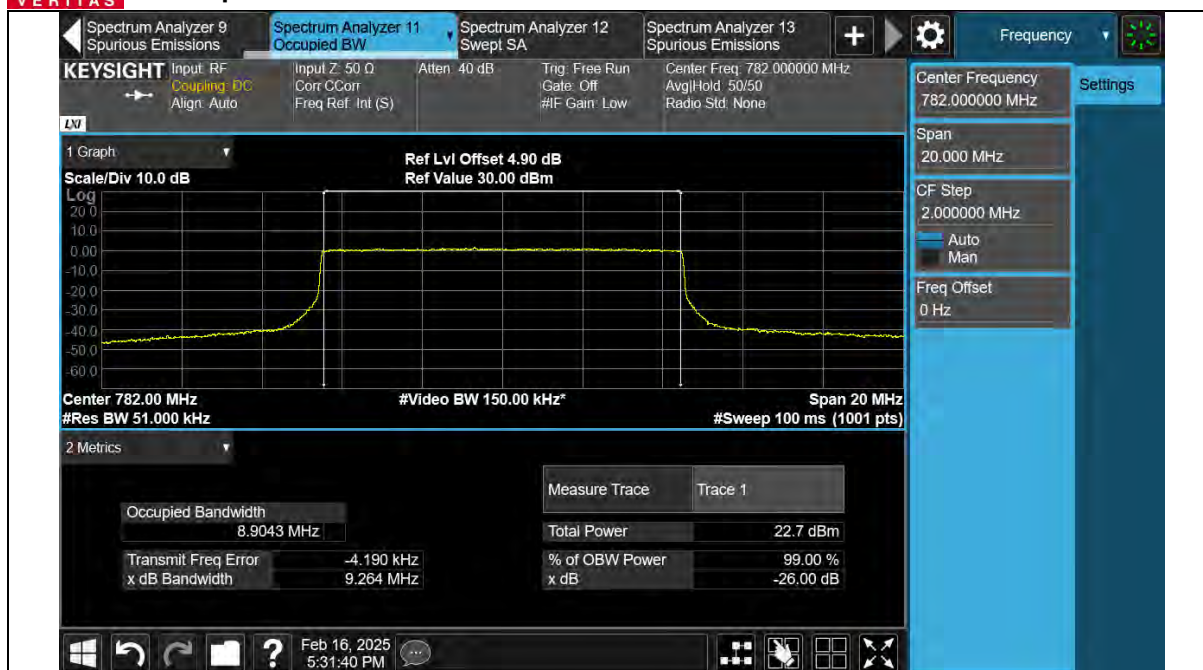


Band13-10MHz-QPSK-23230-50RB#0



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Test Report No.: PSZ-NQN2412300616RF03



Band13-10MHz-16QAM-23230-27RB#0



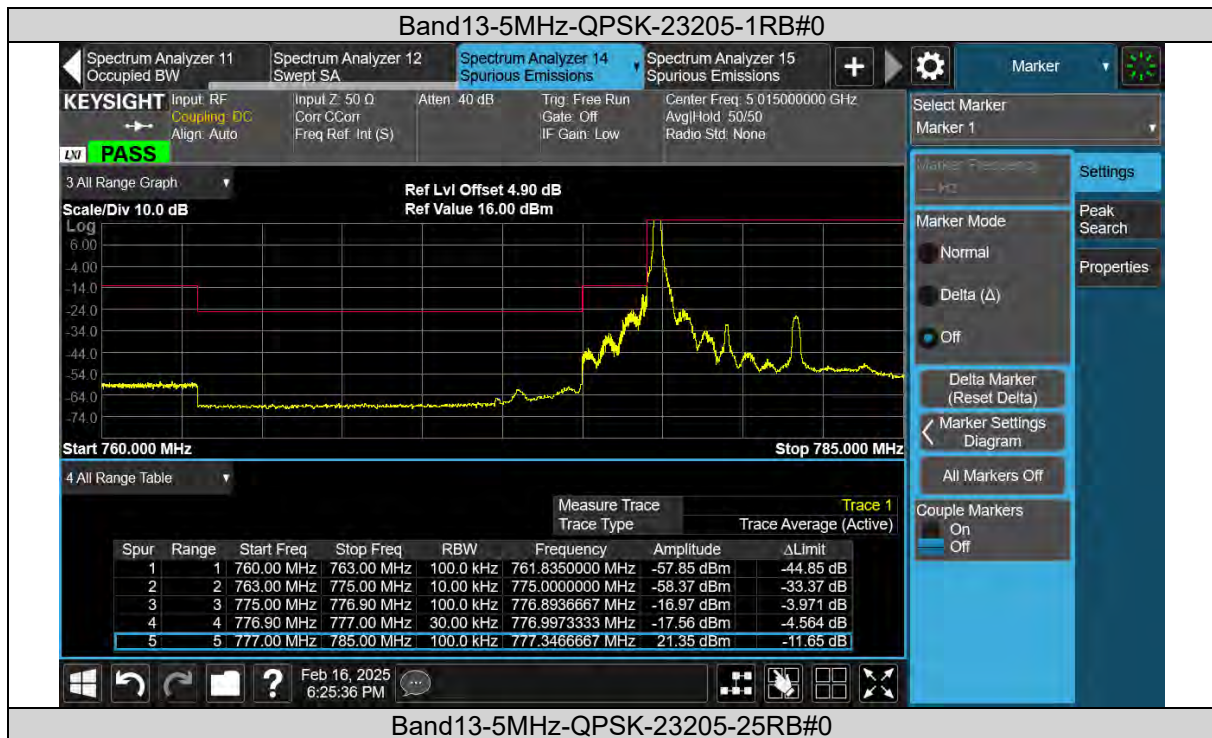


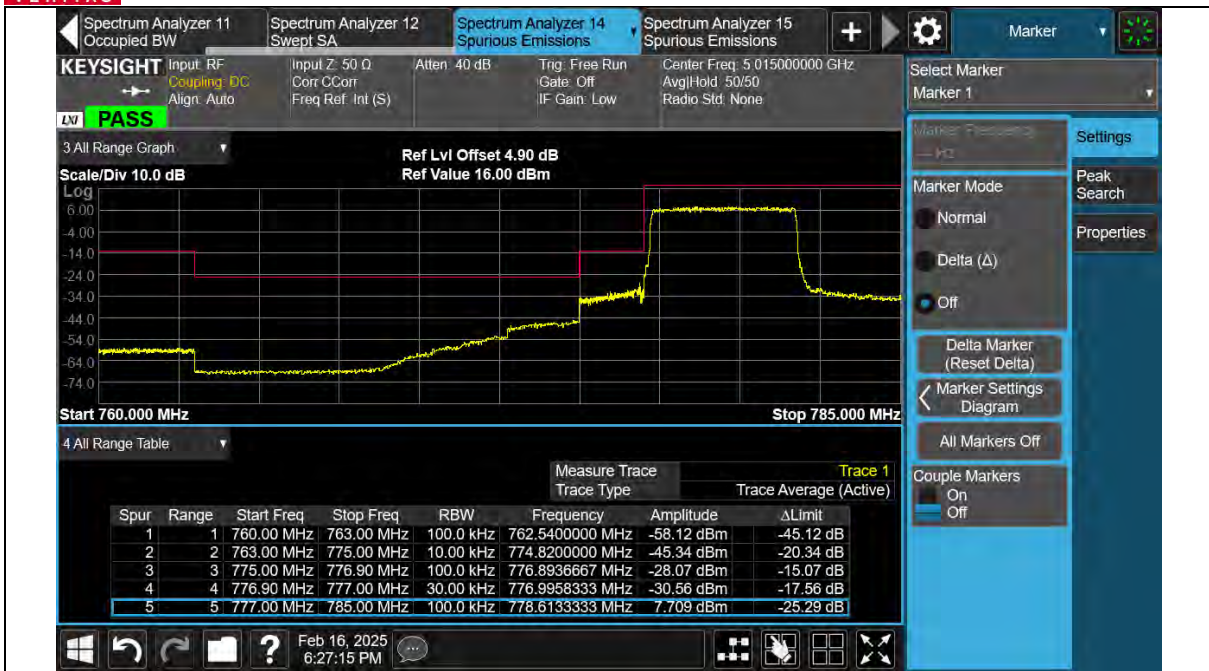
BAND EDGE

Test Result

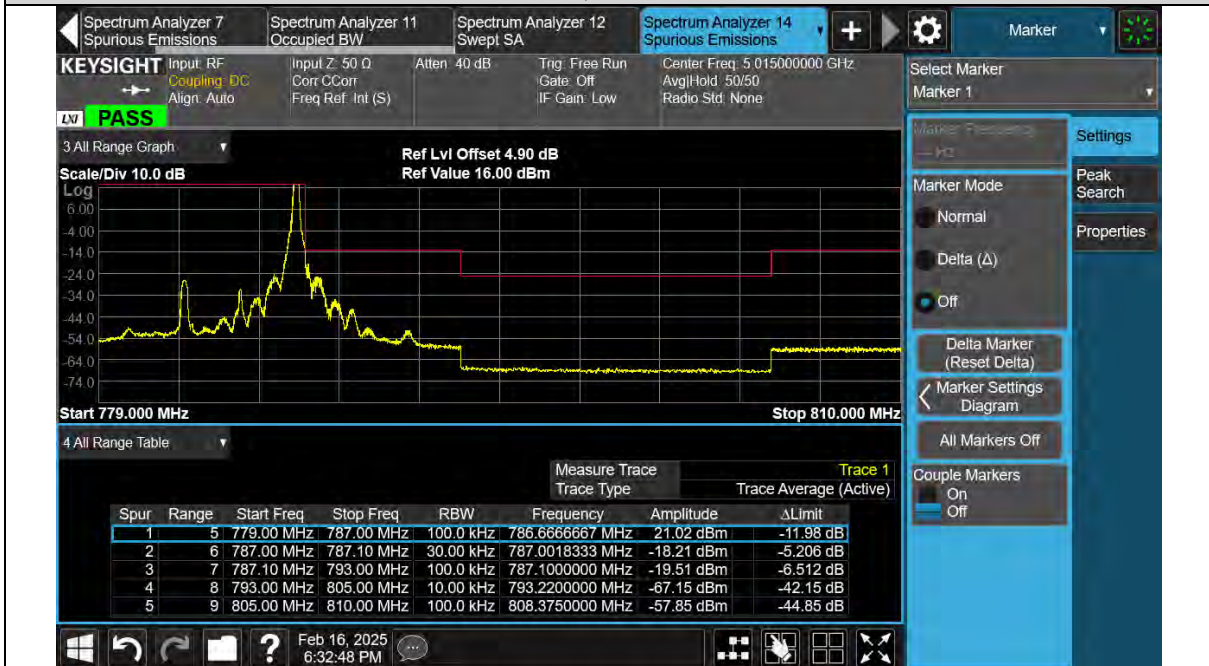
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	See Graph	PASS
Band13	5MHz	QPSK	23205	25RB#0	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#24	See Graph	PASS
Band13	5MHz	QPSK	23255	25RB#0	See Graph	PASS
Band13	5MHz	16QAM	23205	1RB#0	See Graph	PASS
Band13	5MHz	16QAM	23205	25RB#0	See Graph	PASS
Band13	5MHz	16QAM	23255	1RB#24	See Graph	PASS
Band13	5MHz	16QAM	23255	25RB#0	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#49	See Graph	PASS
Band13	10MHz	QPSK	23230	50RB#0	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#0	See Graph	PASS
Band13	10MHz	16QAM	23230	1RB#49	See Graph	PASS
Band13	10MHz	16QAM	23230	27RB#0	See Graph	PASS
Band13	10MHz	16QAM	23230	27RB#23	See Graph	PASS

Test Graphs





Band13-5MHz-QPSK-23255-1RB#24

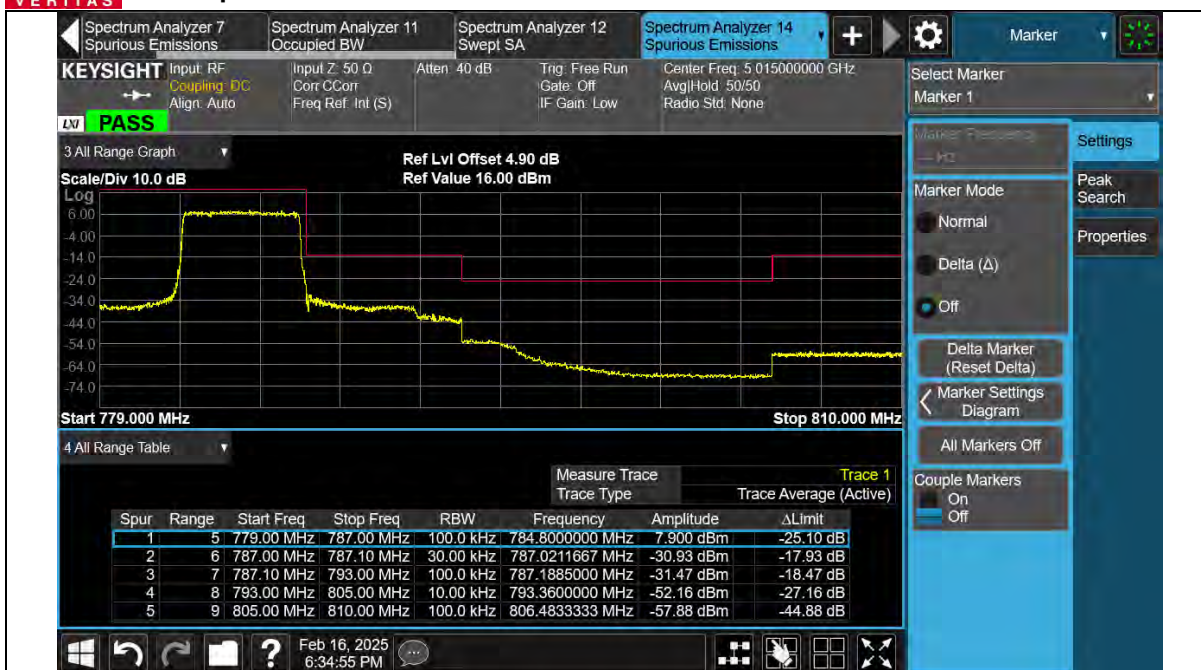


Band13-5MHz-QPSK-23255-25RB#0

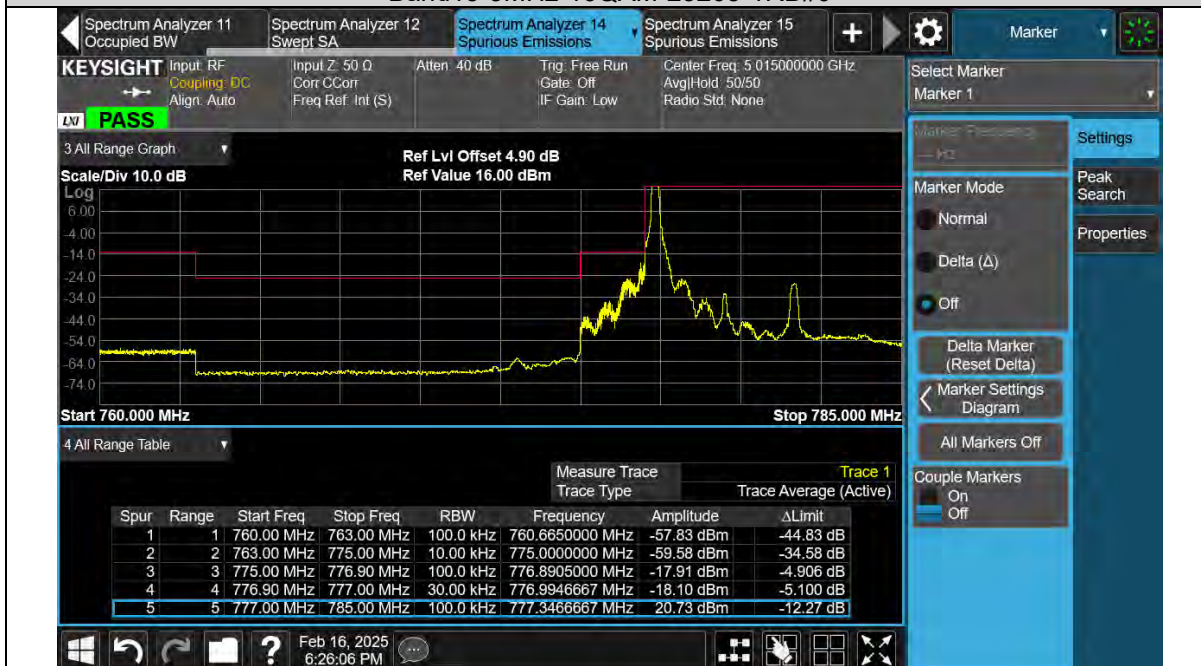


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Test Report No.: PSZ-NQN2412300616RF03



Band13-5MHz-16QAM-23205-1RB#0

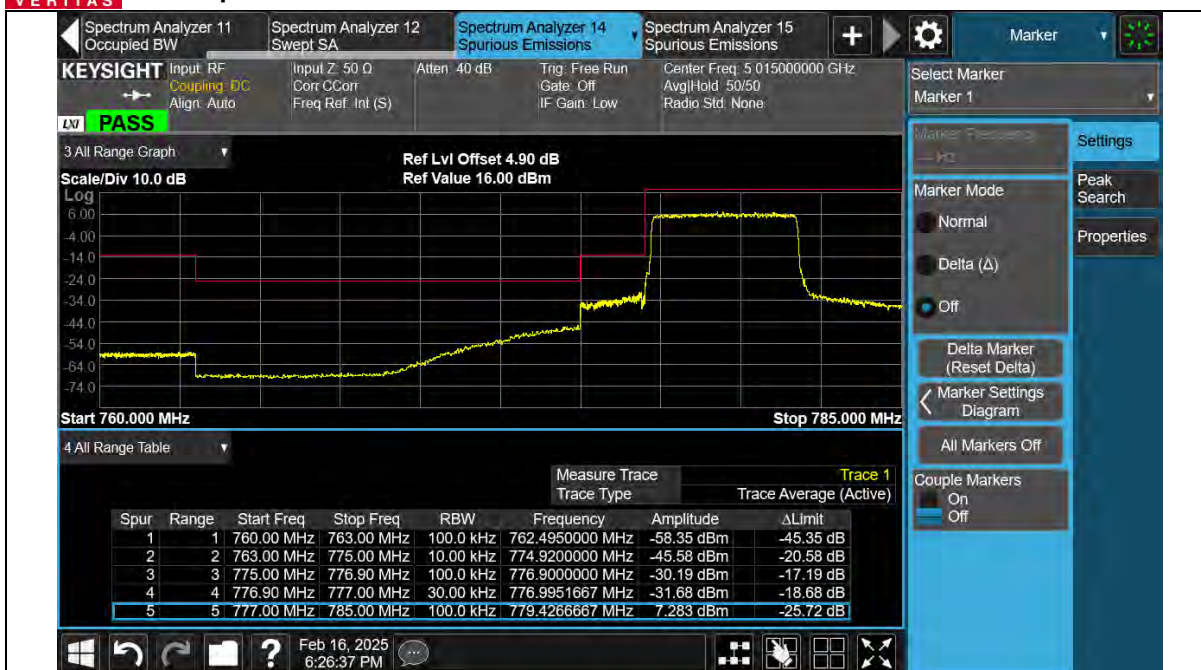


Band13-5MHz-16QAM-23205-25RB#0

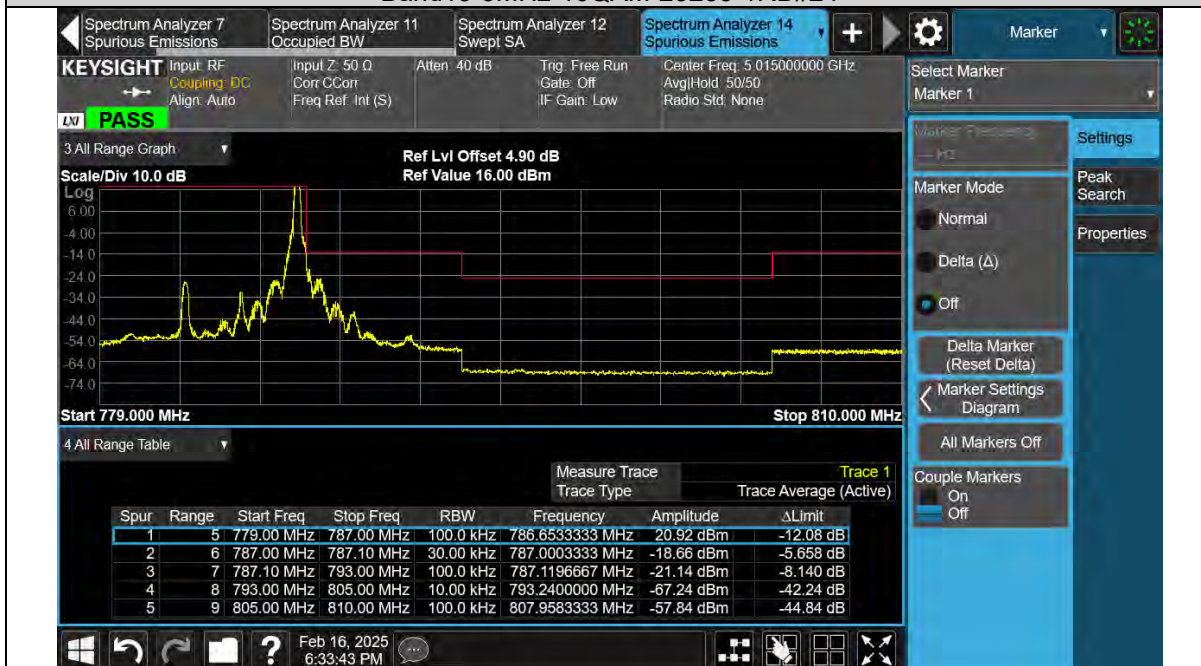


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band13-5MHz-16QAM-23255-1RB#24

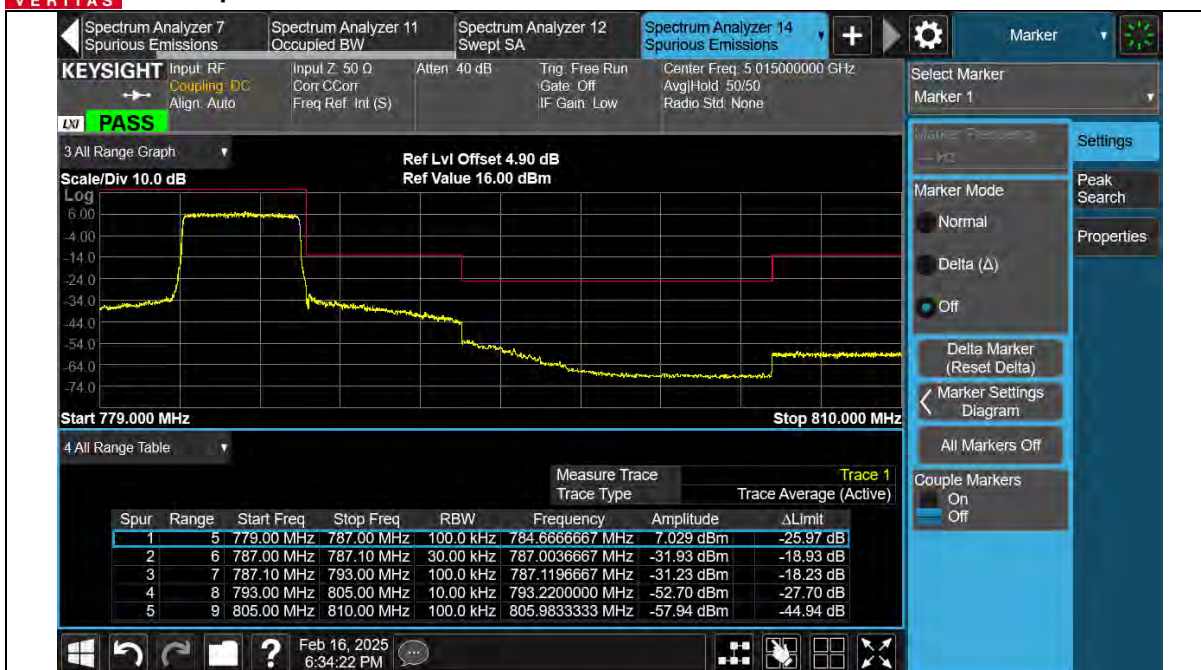


Band13-5MHz-16QAM-23255-25RB#0

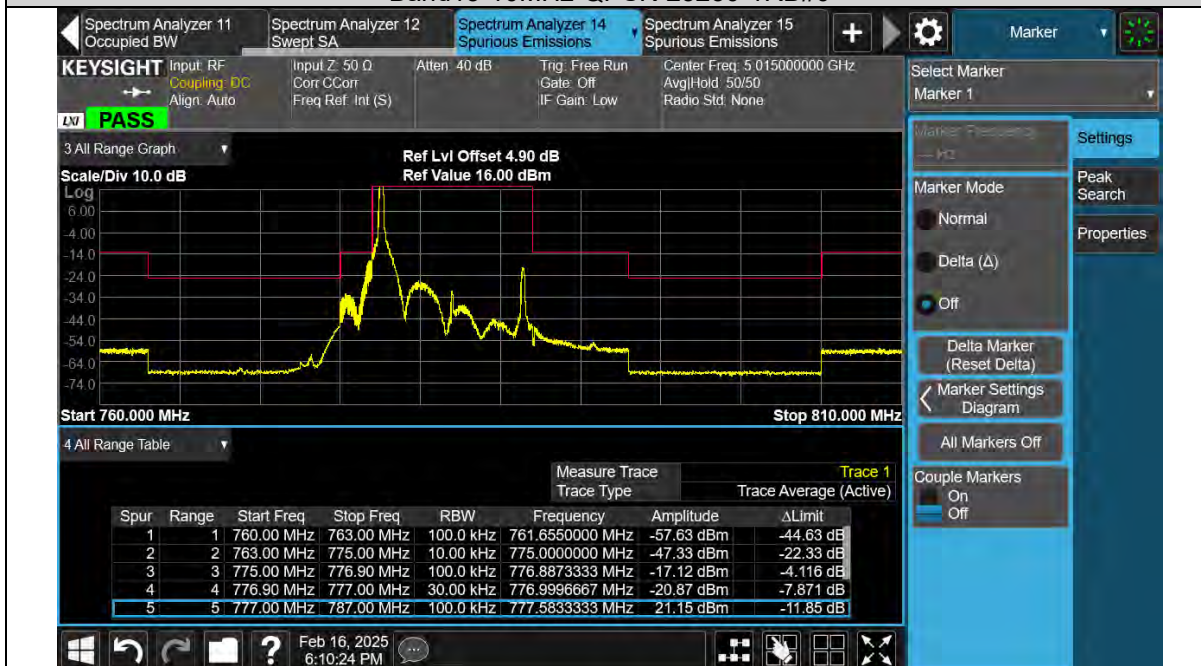


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band13-10MHz-QPSK-23230-1RB#0

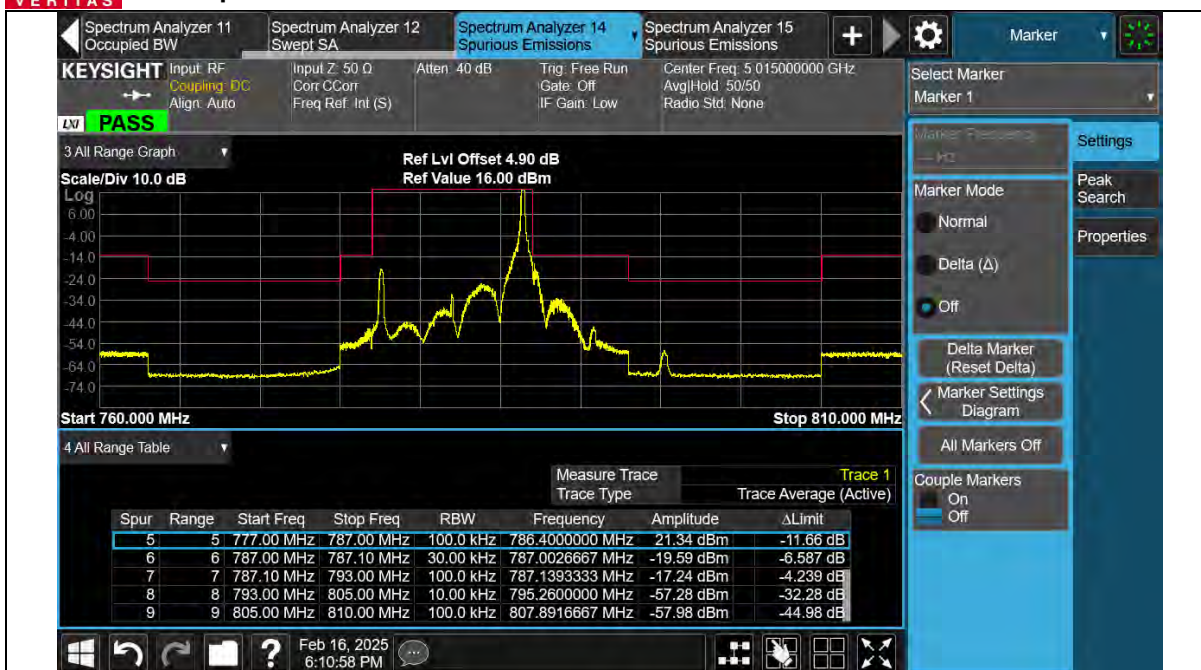


Band13-10MHz-QPSK-23230-1RB#49

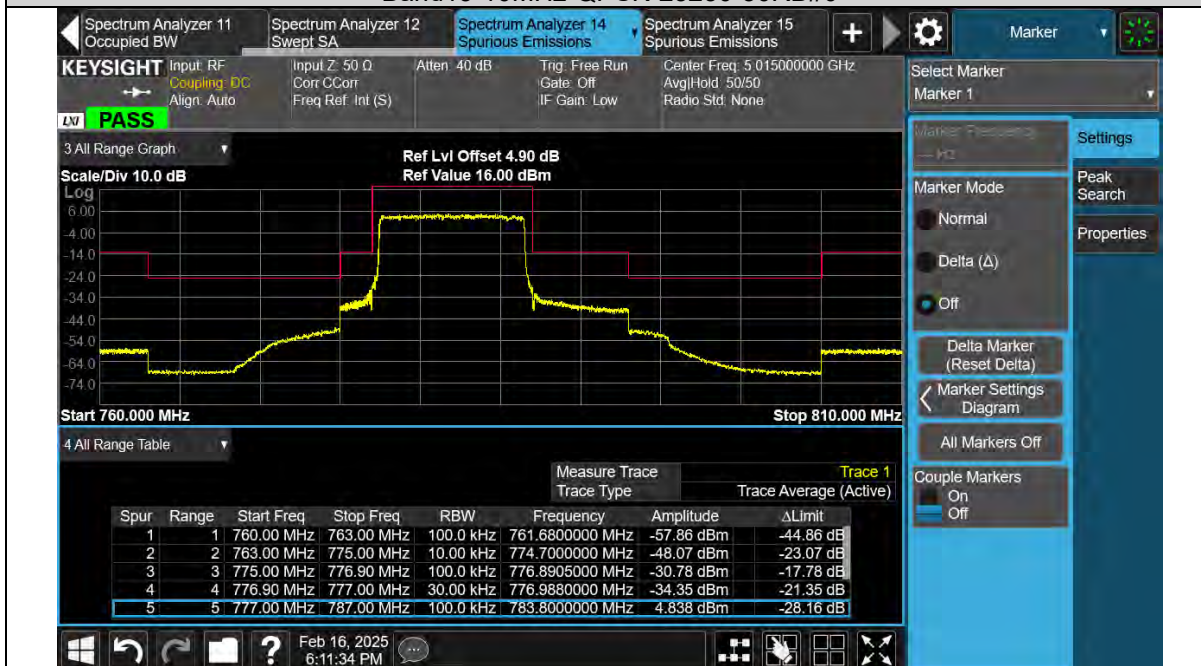


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VERITAS

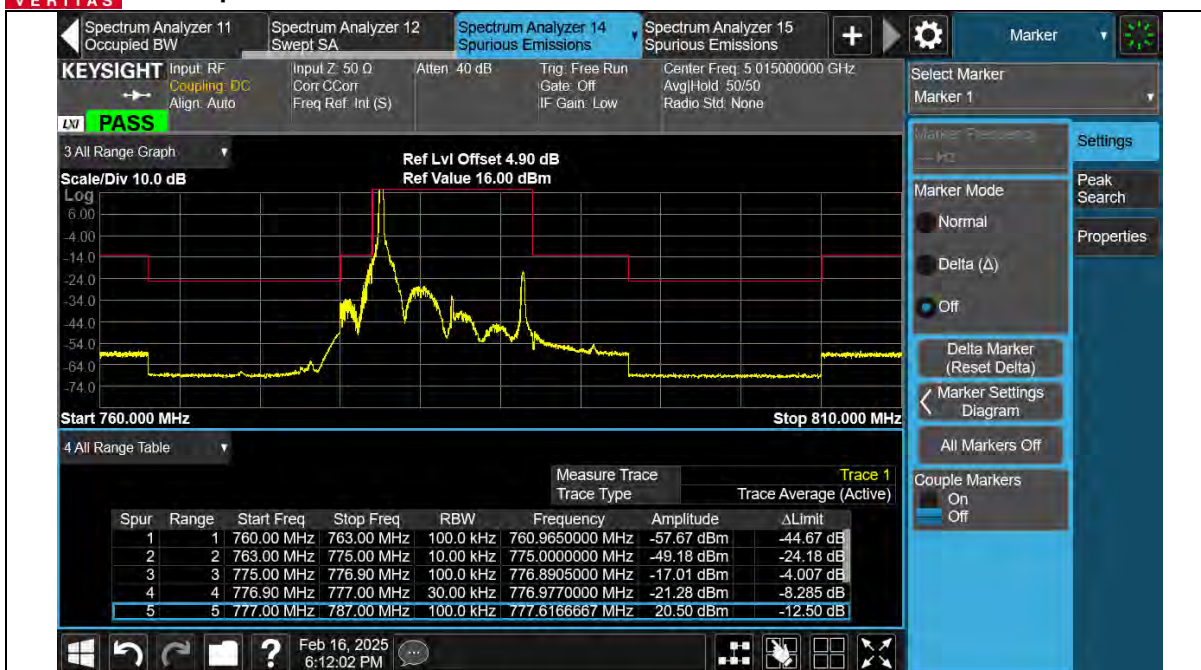
Test Report No.: PSZ-NQN2412300616RF03



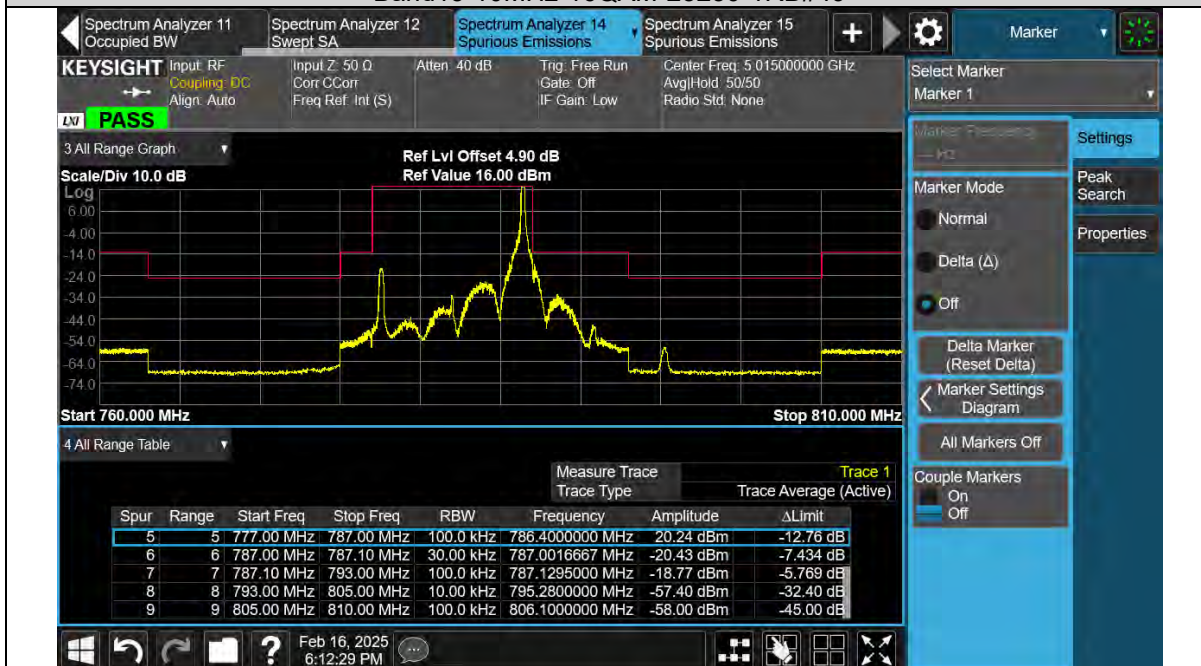
Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-1RB#0



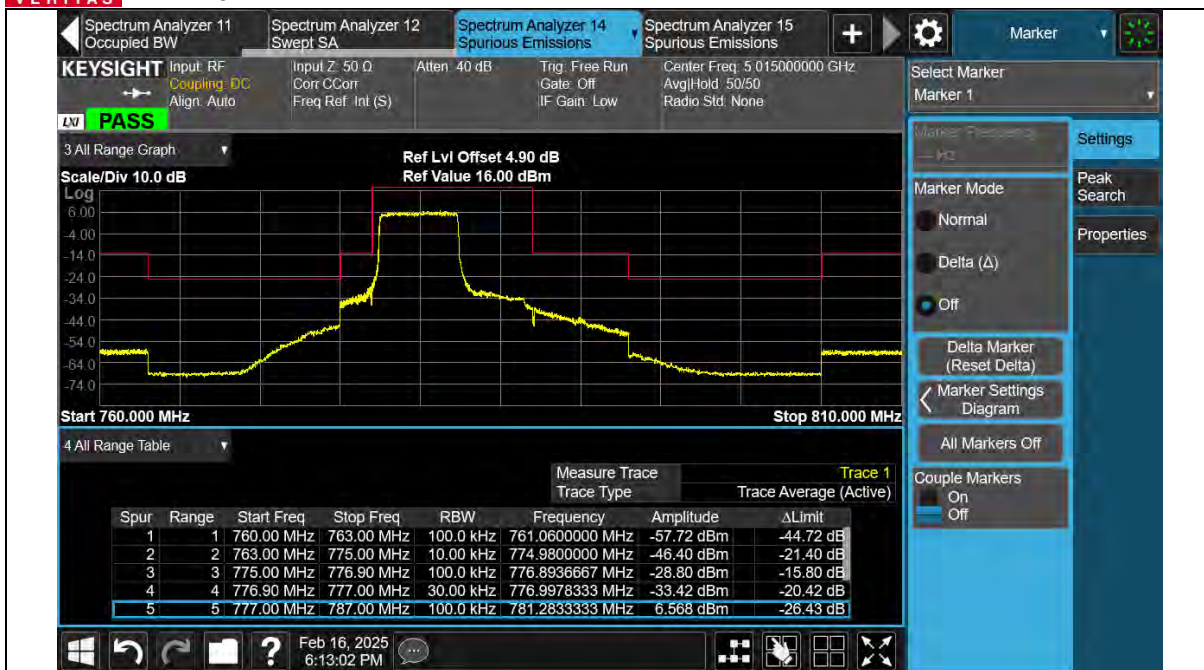
Band13-10MHz-16QAM-23230-1RB#49



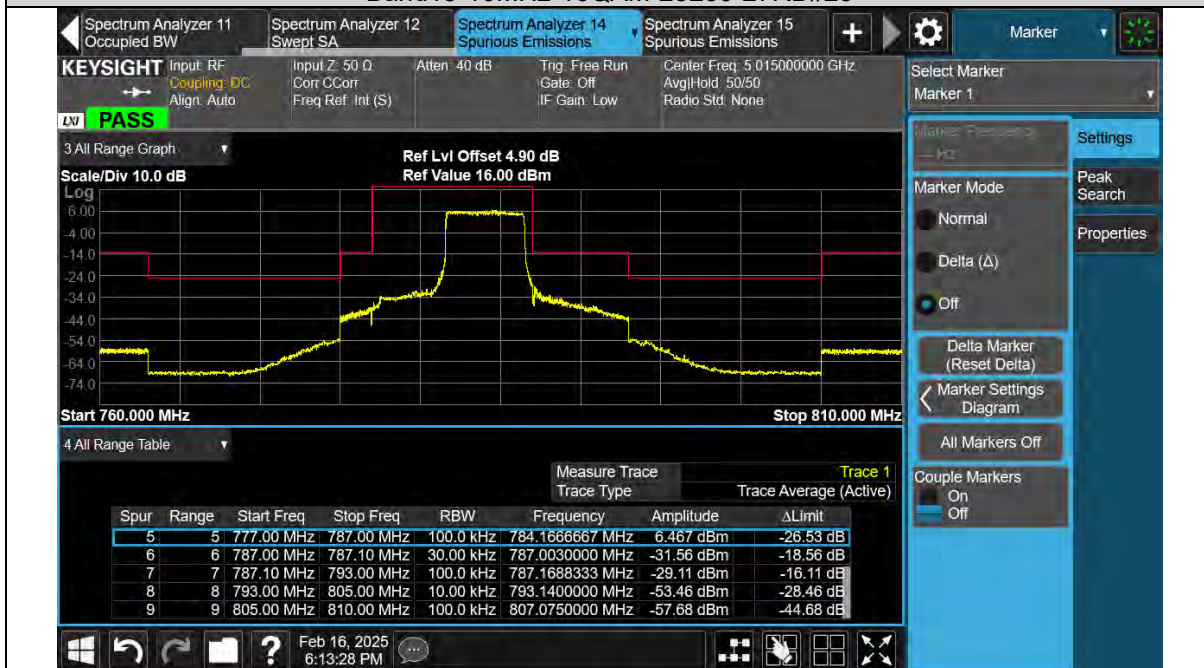
Band13-10MHz-16QAM-23230-27RB#0



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



Band13-10MHz-16QAM-23230-27RB#23



CONDUCTED SPURIOUS EMISSION

Test Result

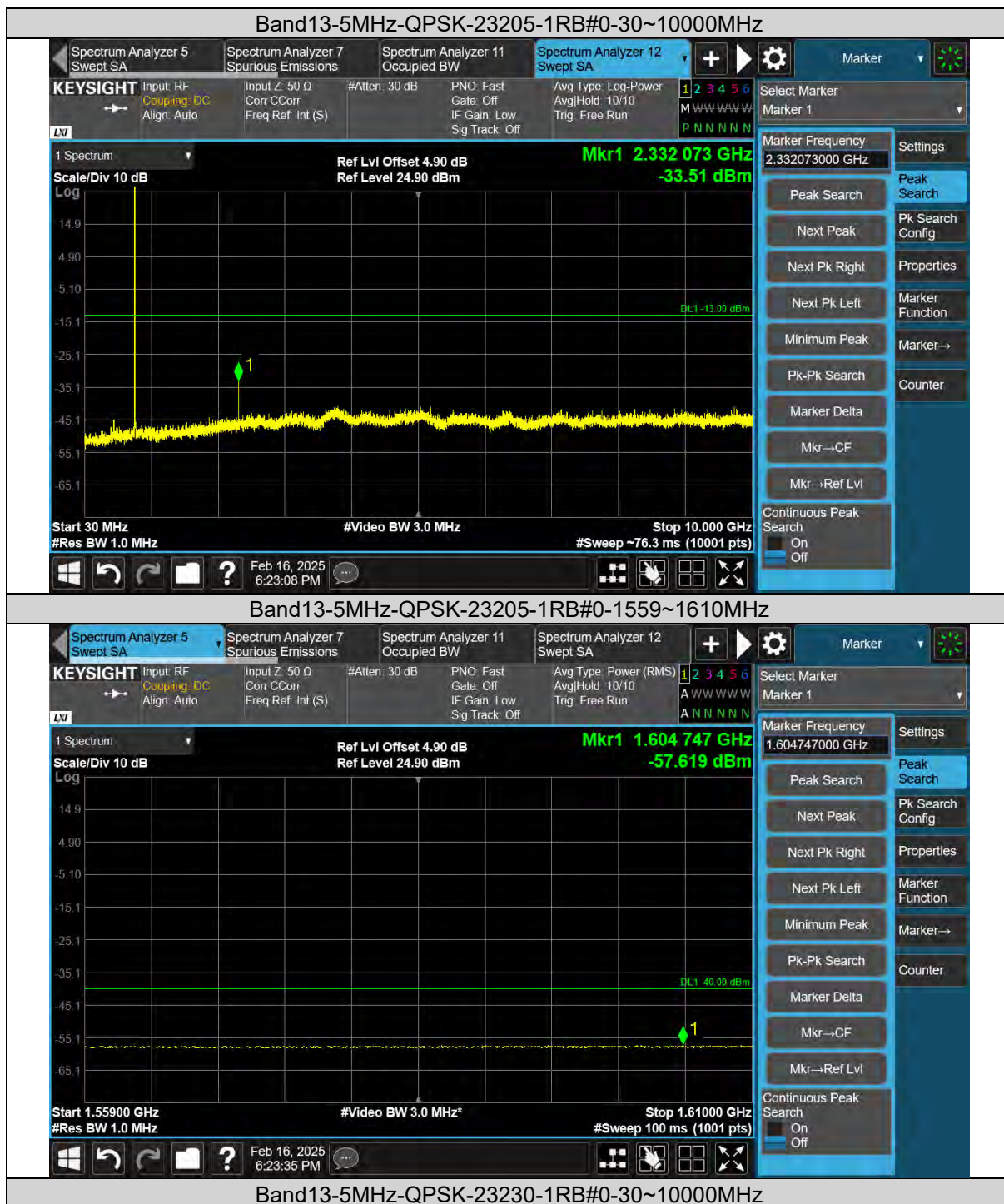
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~10000MHz	See Graph	PASS
Band13	5MHz	QPSK	23205	1RB#0	1559~1610MHz	See Graph	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~10000MHz	See Graph	PASS
Band13	5MHz	QPSK	23230	1RB#0	1559~1610MHz	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~10000MHz	See Graph	PASS
Band13	5MHz	QPSK	23255	1RB#0	1559~1610MHz	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~10000MHz	See Graph	PASS
Band13	10MHz	QPSK	23230	1RB#0	1559~1610MHz	See Graph	PASS



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03

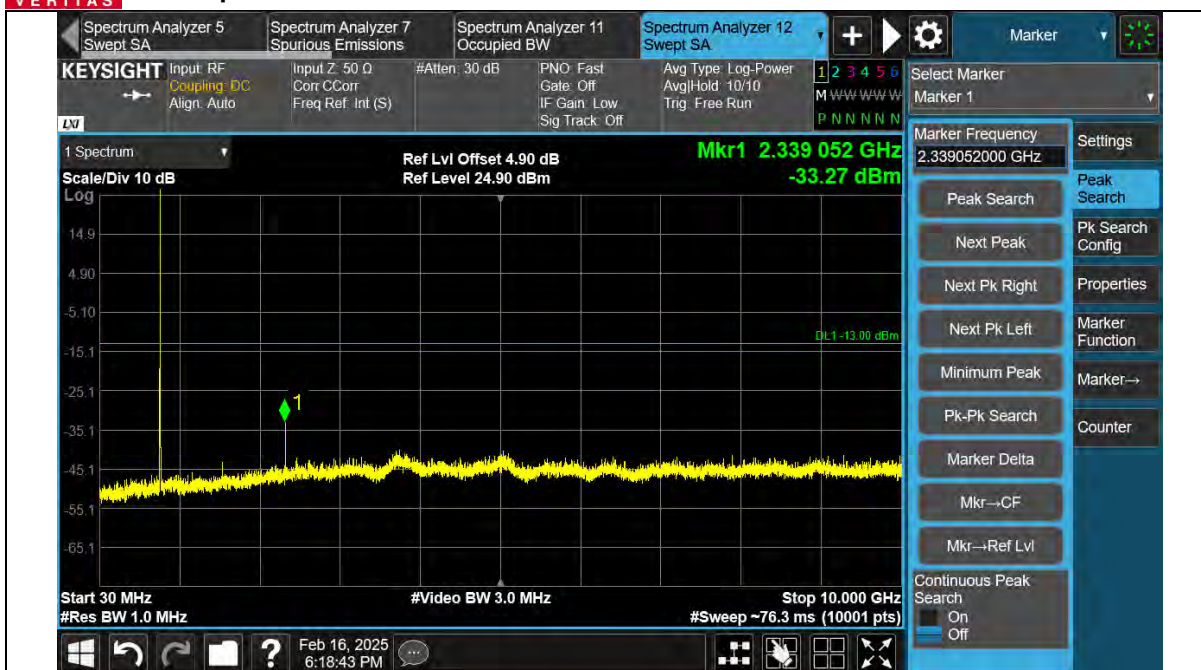
Test Graphs



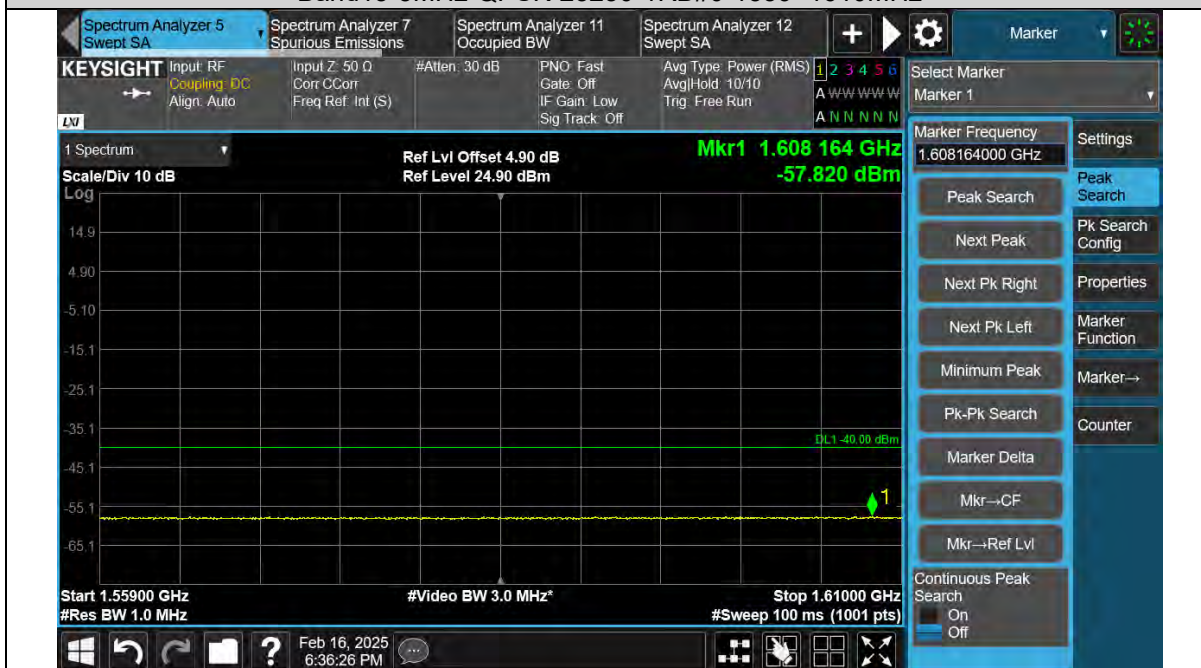


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band13-5MHz-QPSK-23230-1RB#0-1559~1610MHz



Band13-5MHz-QPSK-23255-1RB#0-30~10000MHz

Huarui 7layers High Technology
(Suzhou) Co., Ltd.

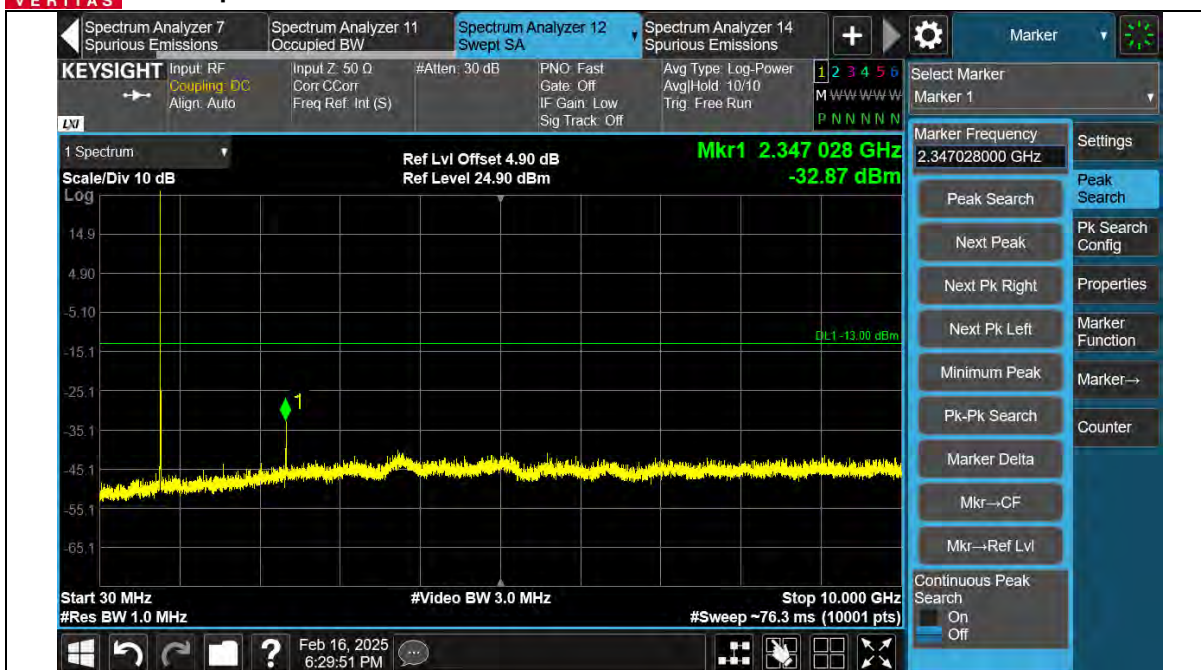
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008

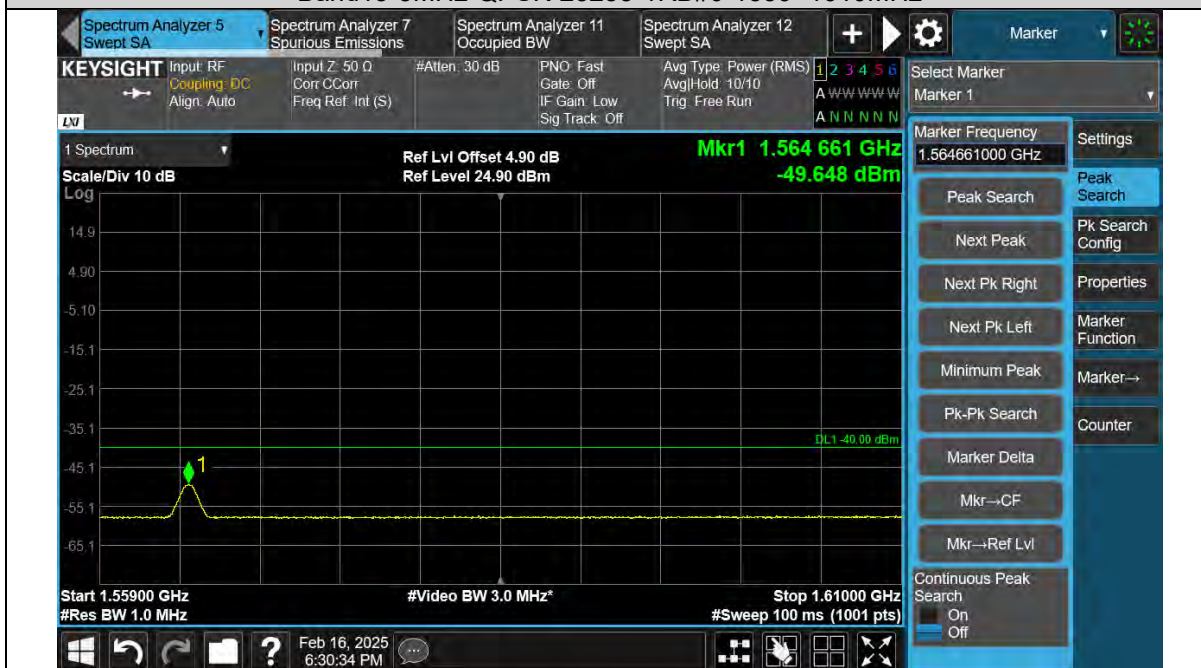


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band13-5MHz-QPSK-23255-1RB#0-1559~1610MHz

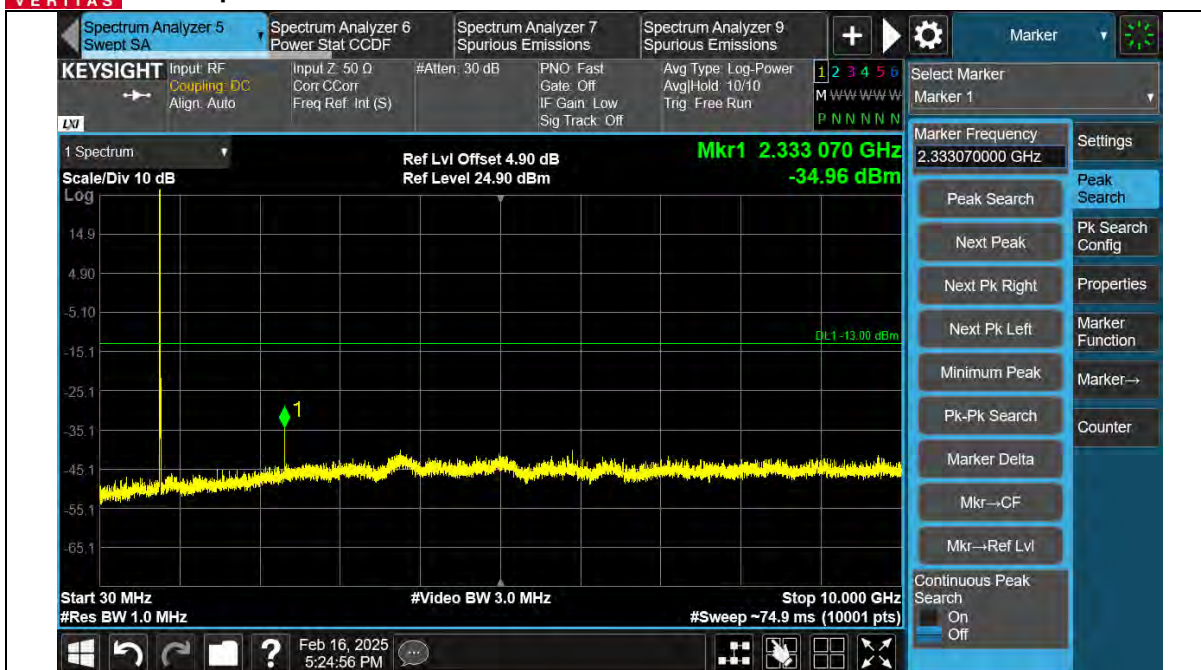


Band13-10MHz-QPSK-23230-1RB#0-30~10000MHz

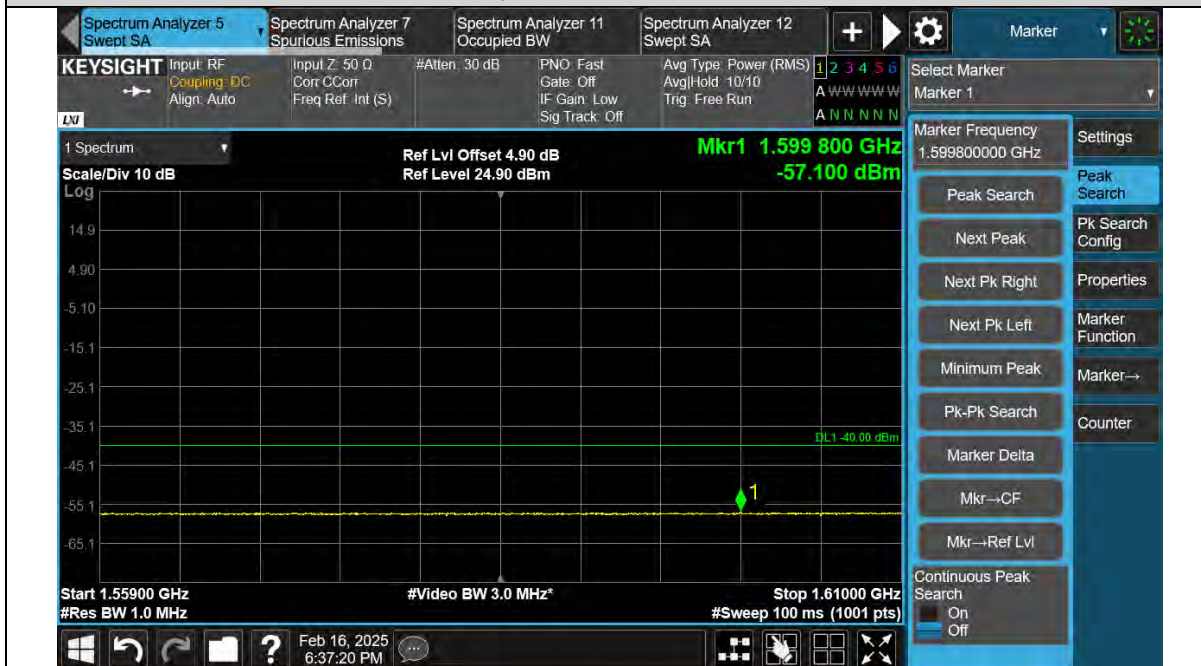


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band13-10MHz-QPSK-23230-1RB#0-1559~1610MHz



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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
Band13	10MHz	QPSK	23230	50RB#0	LV	NT	18.4	0.000792	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	NT	-2.3	-0.000099	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	HV	NT	-0.2	-0.000009	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-24.0	-0.001033	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	7.3	0.000314	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	11.7	0.000504	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	15.6	0.000672	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	22.4	0.000964	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-2.2	-0.000095	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	13	0.000560	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-19.9	-0.000857	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-21.5	-0.000926	±2.5	PASS

--END--