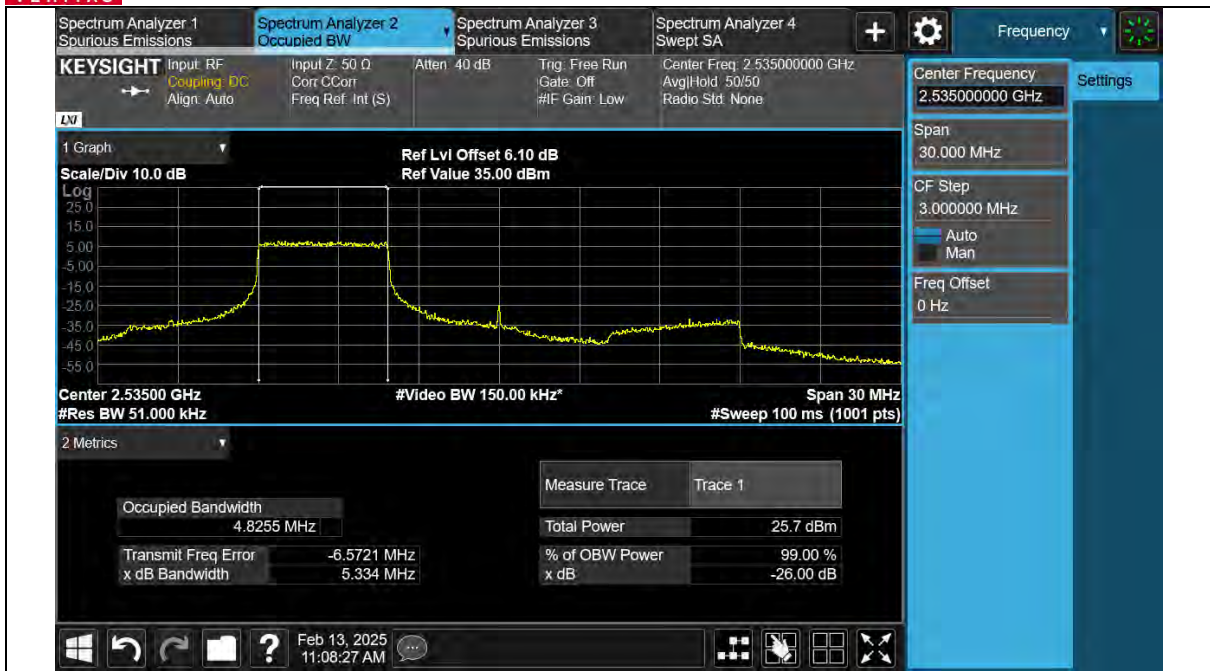




Band7-20MHz-16QAM-21350-27RB#0





BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	See Graph	PASS
Band7	5MHz	QPSK	20775	25RB#0	See Graph	PASS
Band7	5MHz	QPSK	21425	1RB#24	See Graph	PASS
Band7	5MHz	QPSK	21425	25RB#0	See Graph	PASS
Band7	5MHz	16QAM	20775	1RB#0	See Graph	PASS
Band7	5MHz	16QAM	20775	25RB#0	See Graph	PASS
Band7	5MHz	16QAM	21425	1RB#24	See Graph	PASS
Band7	5MHz	16QAM	21425	25RB#0	See Graph	PASS
Band7	10MHz	QPSK	20800	1RB#0	See Graph	PASS
Band7	10MHz	QPSK	20800	50RB#0	See Graph	PASS
Band7	10MHz	QPSK	21400	1RB#49	See Graph	PASS
Band7	10MHz	QPSK	21400	50RB#0	See Graph	PASS
Band7	10MHz	16QAM	20800	1RB#0	See Graph	PASS
Band7	10MHz	16QAM	20800	27RB#0	See Graph	PASS
Band7	10MHz	16QAM	21400	1RB#49	See Graph	PASS
Band7	10MHz	16QAM	21400	27RB#23	See Graph	PASS
Band7	15MHz	QPSK	20825	1RB#0	See Graph	PASS
Band7	15MHz	QPSK	20825	75RB#0	See Graph	PASS
Band7	15MHz	QPSK	21375	1RB#74	See Graph	PASS
Band7	15MHz	QPSK	21375	75RB#0	See Graph	PASS
Band7	15MHz	16QAM	20825	1RB#0	See Graph	PASS
Band7	15MHz	16QAM	20825	27RB#0	See Graph	PASS
Band7	15MHz	16QAM	21375	1RB#74	See Graph	PASS
Band7	15MHz	16QAM	21375	27RB#48	See Graph	PASS
Band7	20MHz	QPSK	20850	1RB#0	See Graph	PASS
Band7	20MHz	QPSK	20850	100RB#0	See Graph	PASS
Band7	20MHz	QPSK	21350	1RB#99	See Graph	PASS
Band7	20MHz	QPSK	21350	100RB#0	See Graph	PASS
Band7	20MHz	16QAM	20850	1RB#0	See Graph	PASS
Band7	20MHz	16QAM	20850	27RB#0	See Graph	PASS
Band7	20MHz	16QAM	21350	1RB#99	See Graph	PASS
Band7	20MHz	16QAM	21350	27RB#73	See Graph	PASS



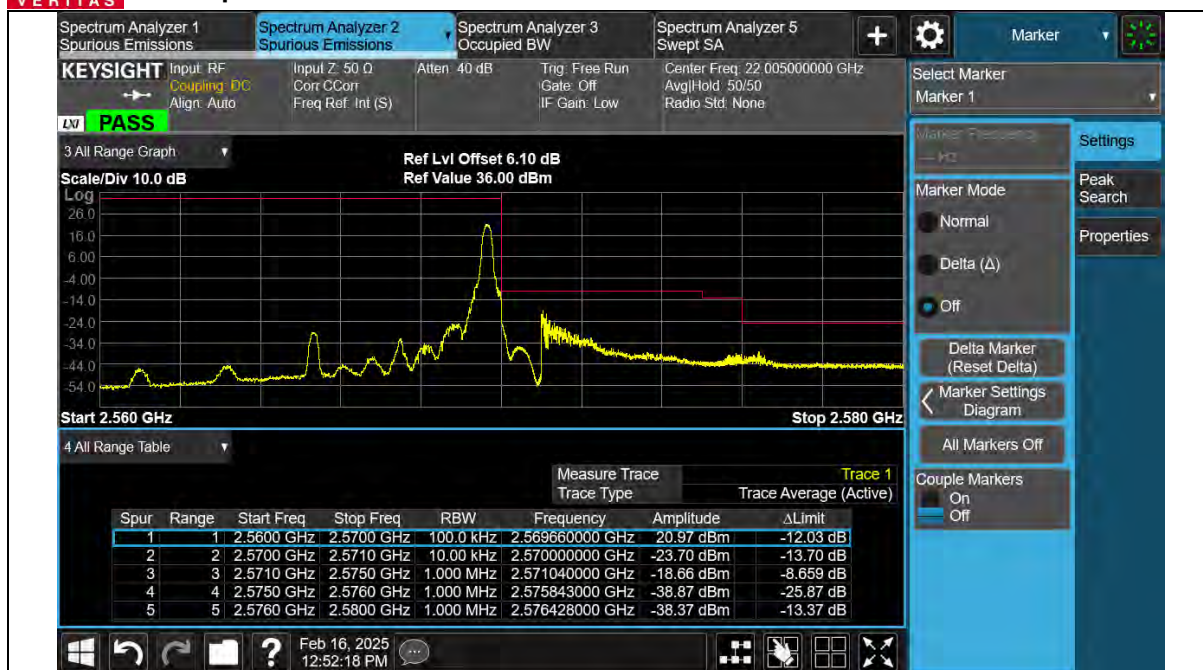
Test Graphs



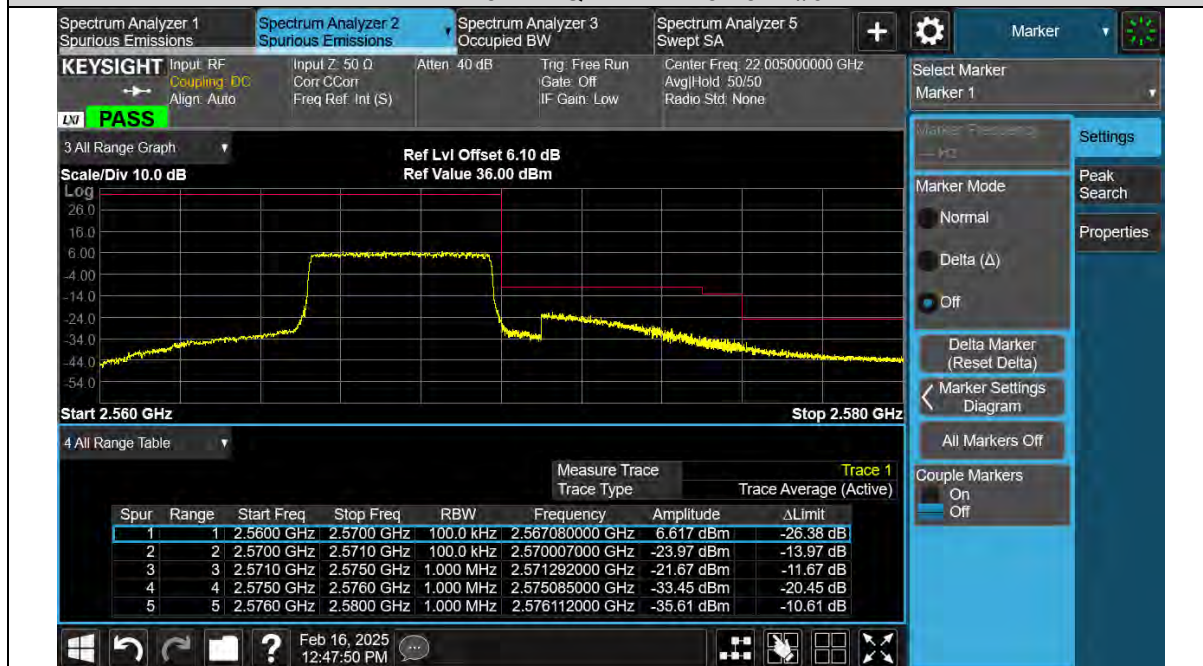


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Test Report No.: PSZ-NQN2412300616RF03



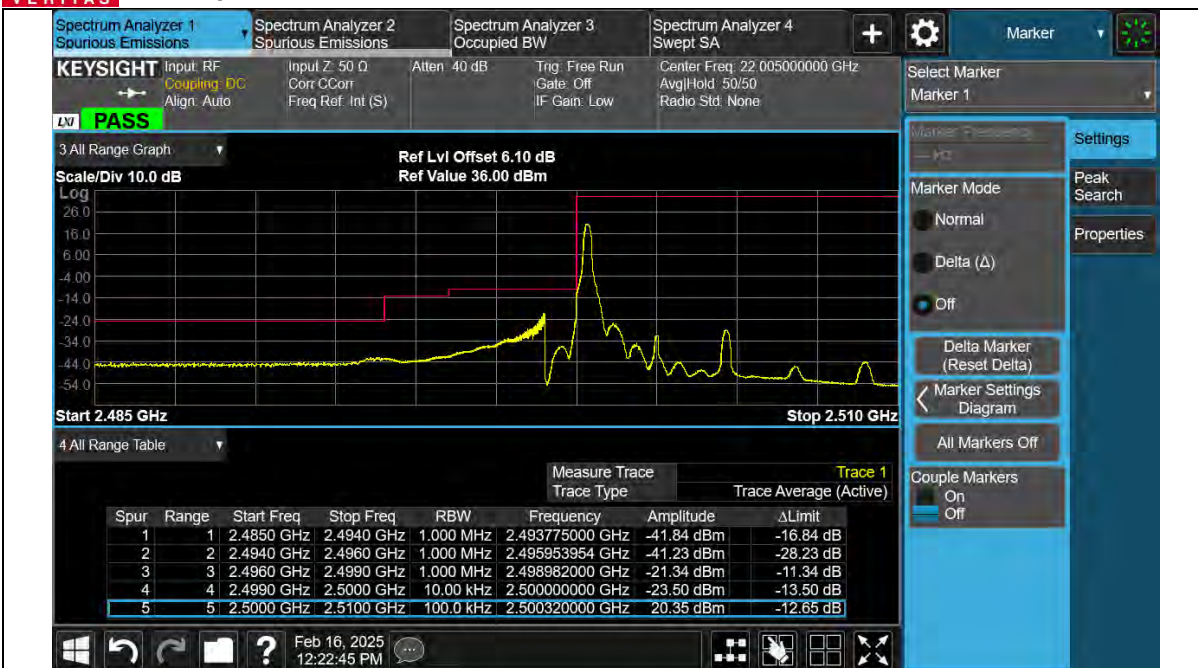
Band7-5MHz-QPSK-21425-25RB#0



Band7-5MHz-16QAM-20775-1RB#0



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



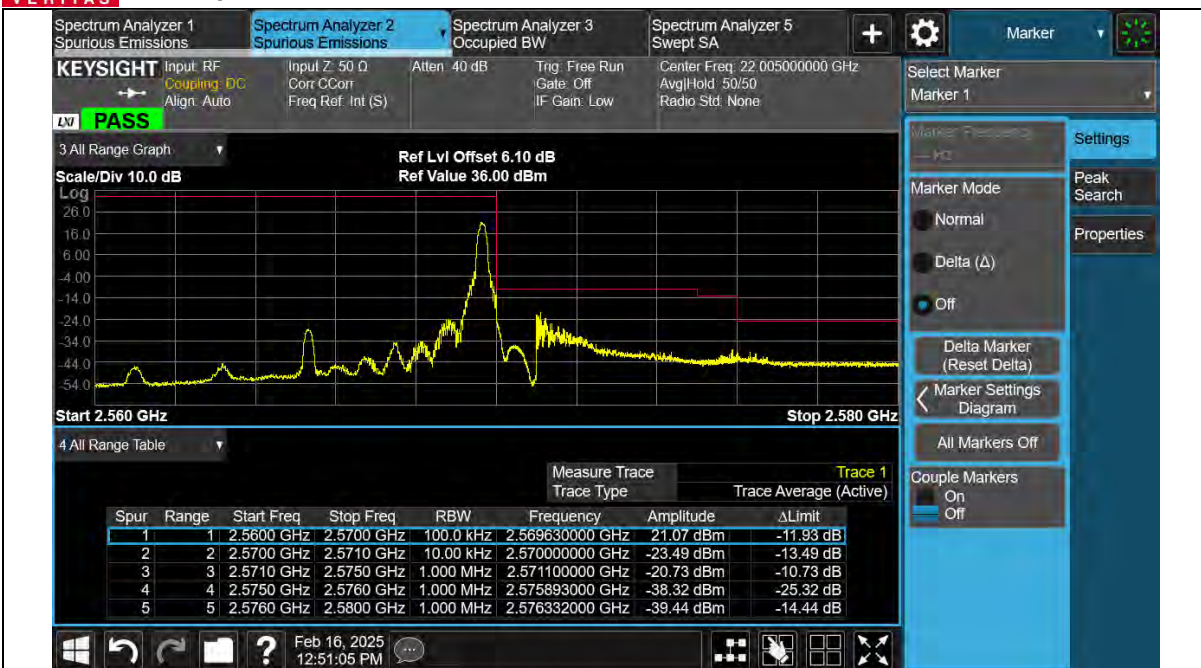
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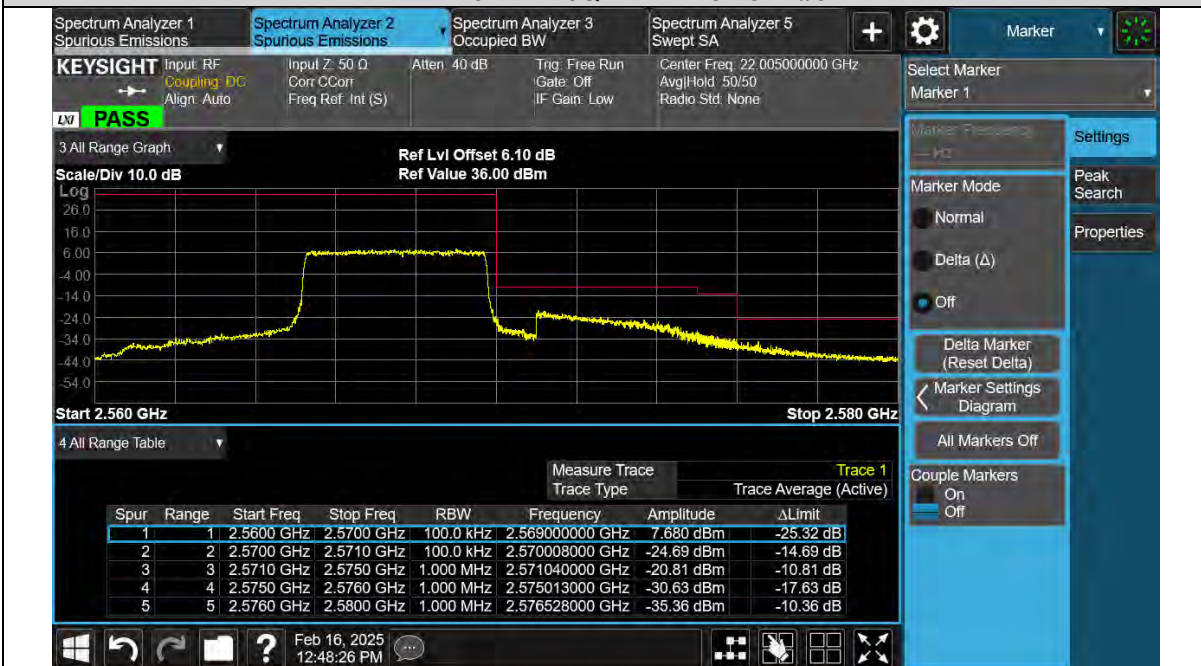
Band7-5MHz-16QAM-21425-1RB#24



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



Band7-5MHz-16QAM-21425-25RB#0

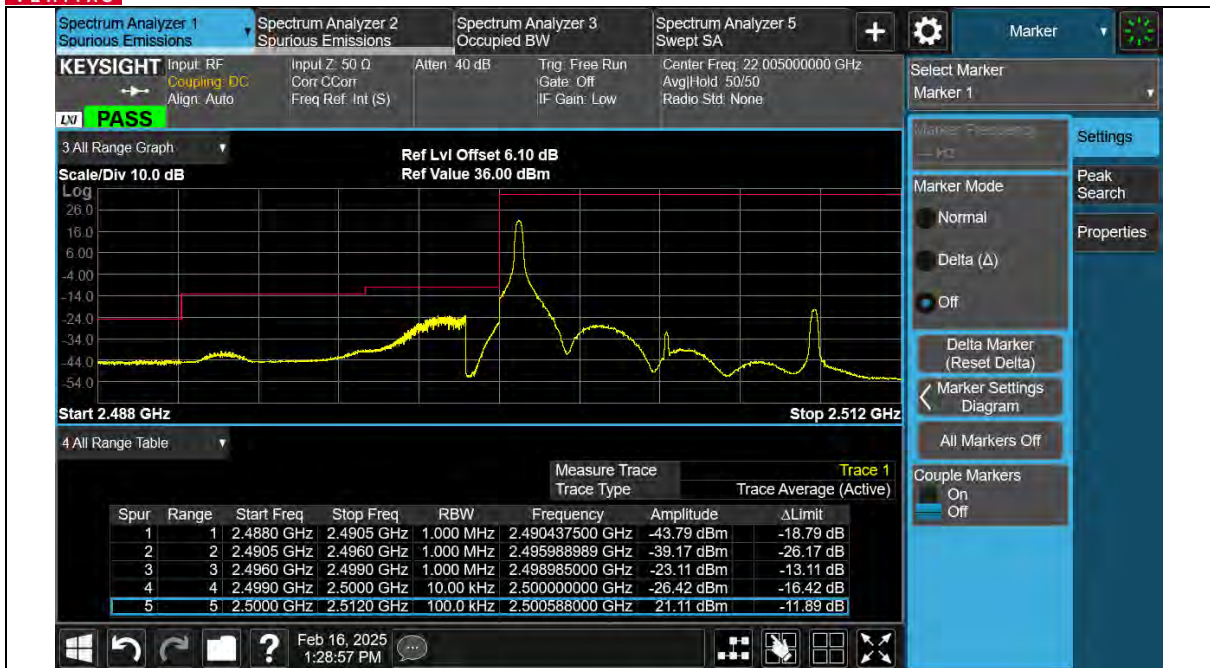


Band7-10MHz-QPSK-20800-1RB#0

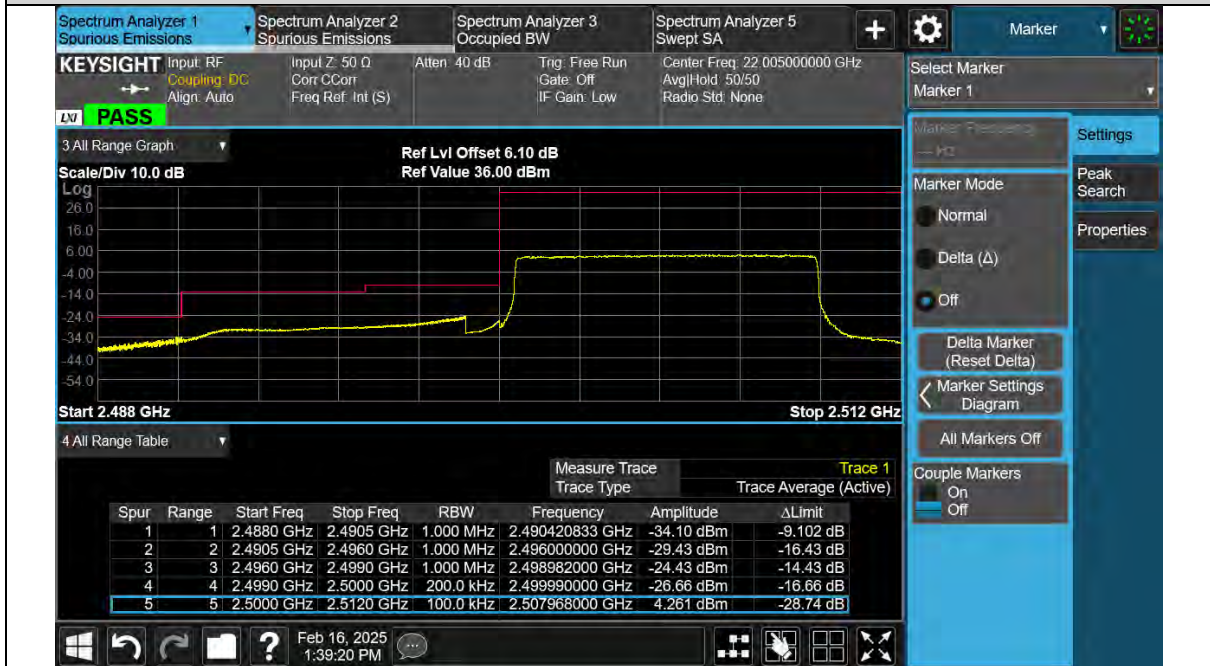


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Test Report No.: PSZ-NQN2412300616RF03



Band7-10MHz-QPSK-20800-50RB#0

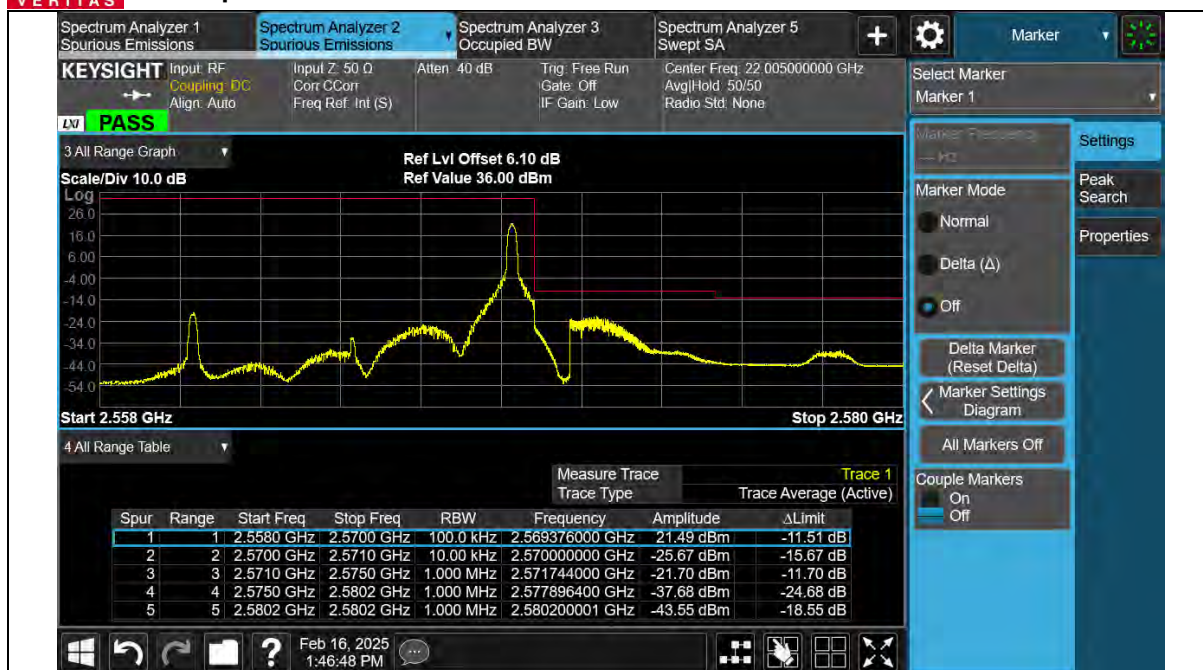


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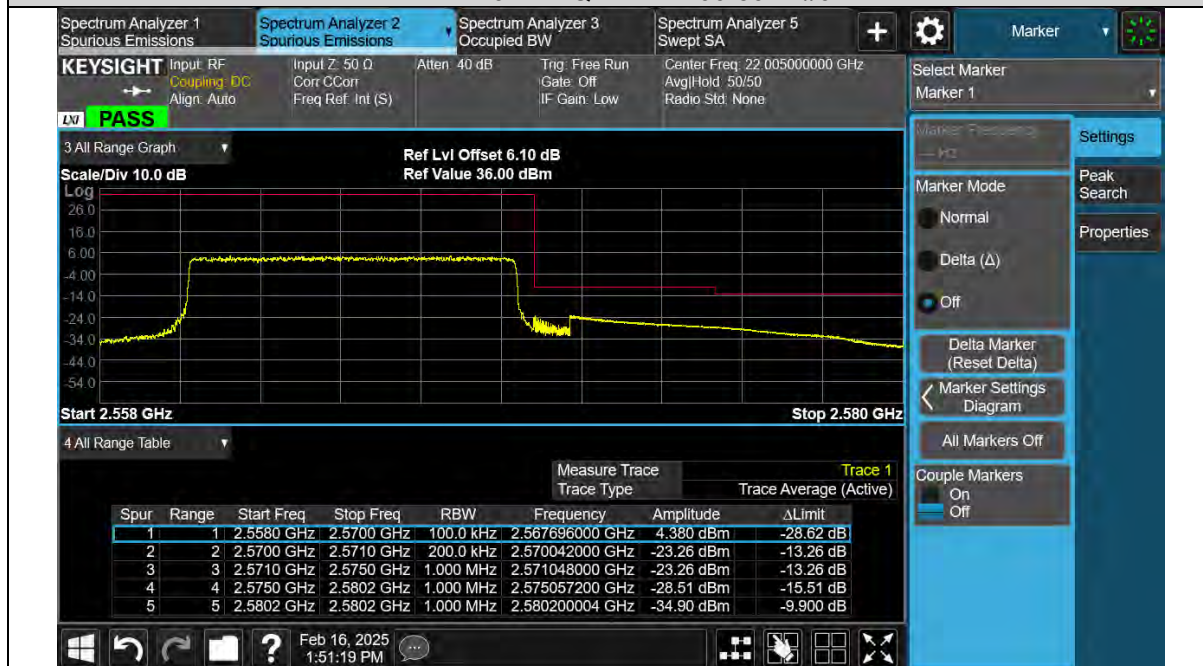


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Test Report No.: PSZ-NQN2412300616RF03



Band7-10MHz-QPSK-21400-50RB#0

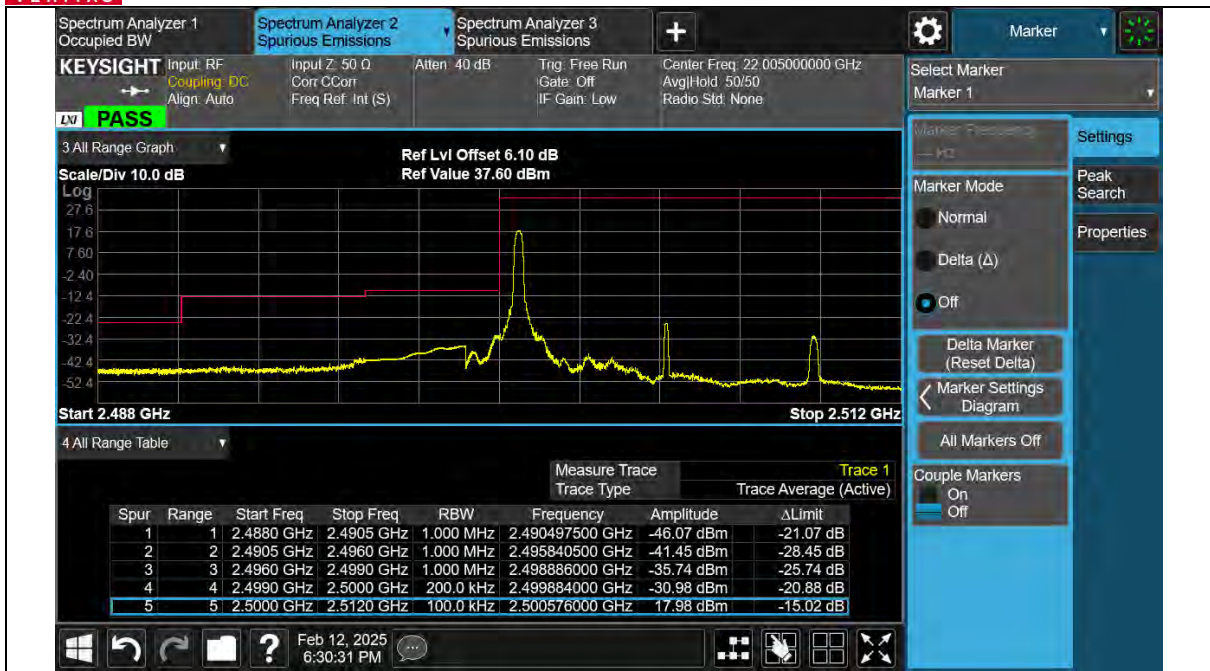


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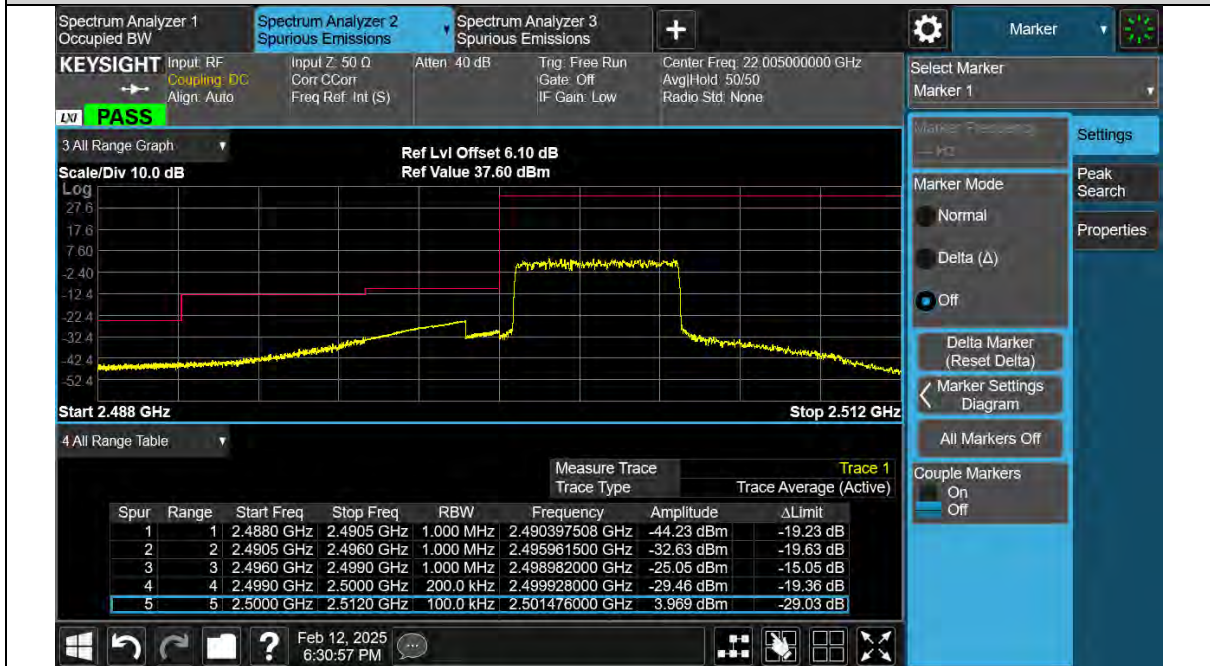


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band7-10MHz-16QAM-20800-27RB#0

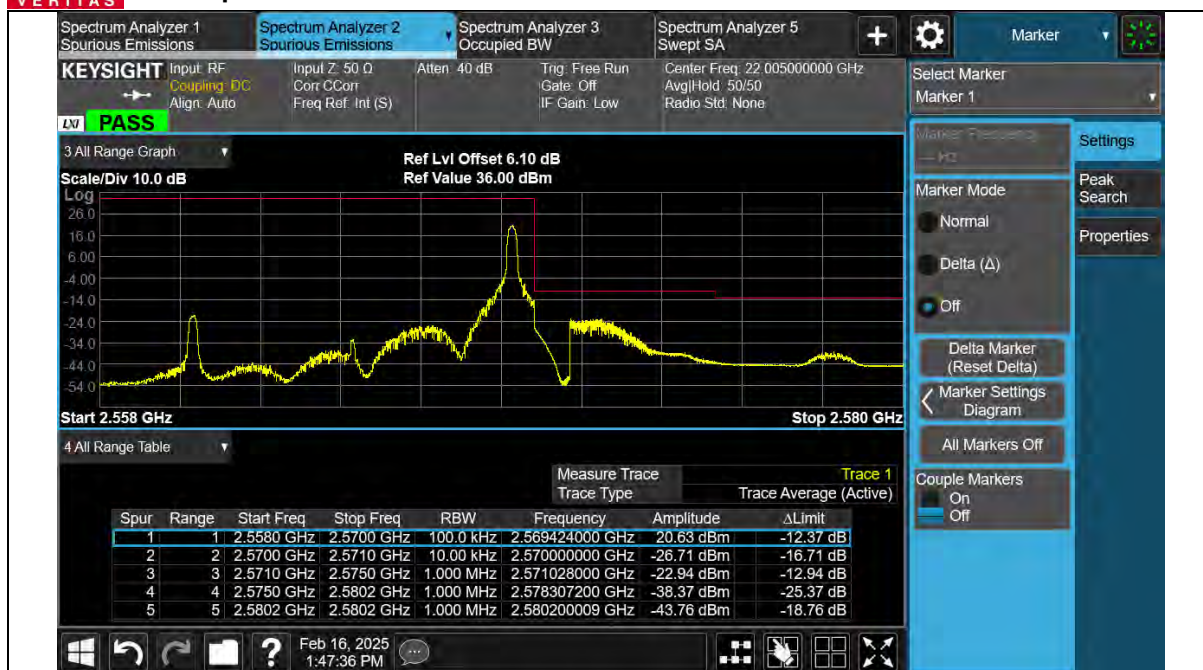


Band7-10MHz-16QAM-21400-1RB#49

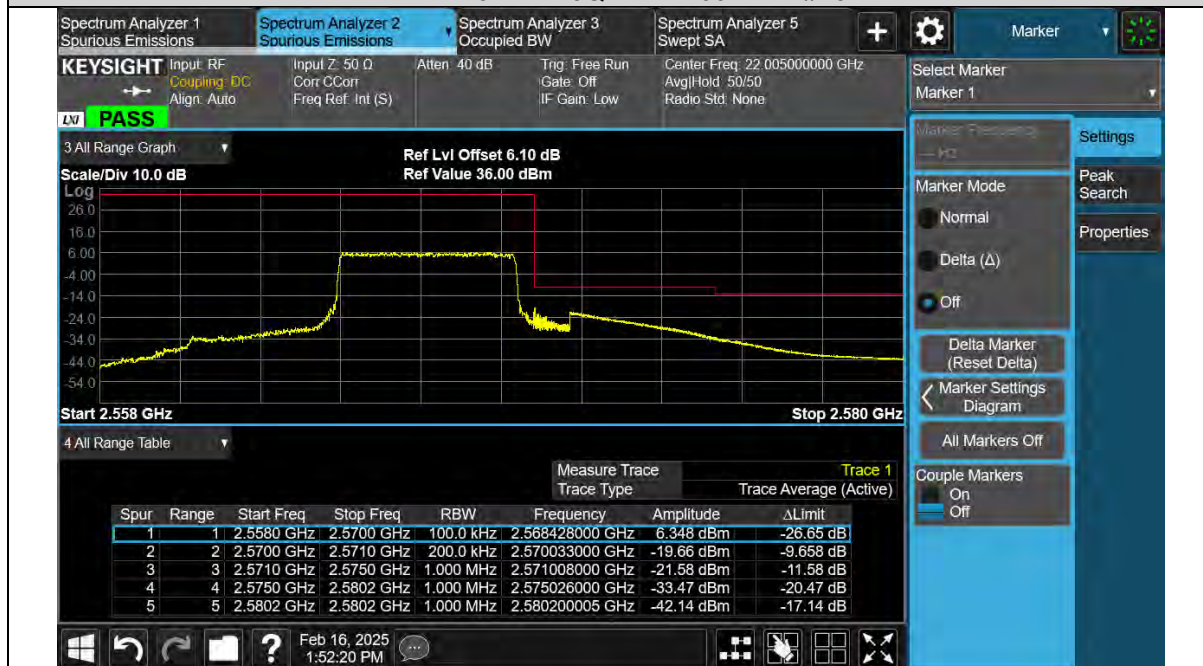


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



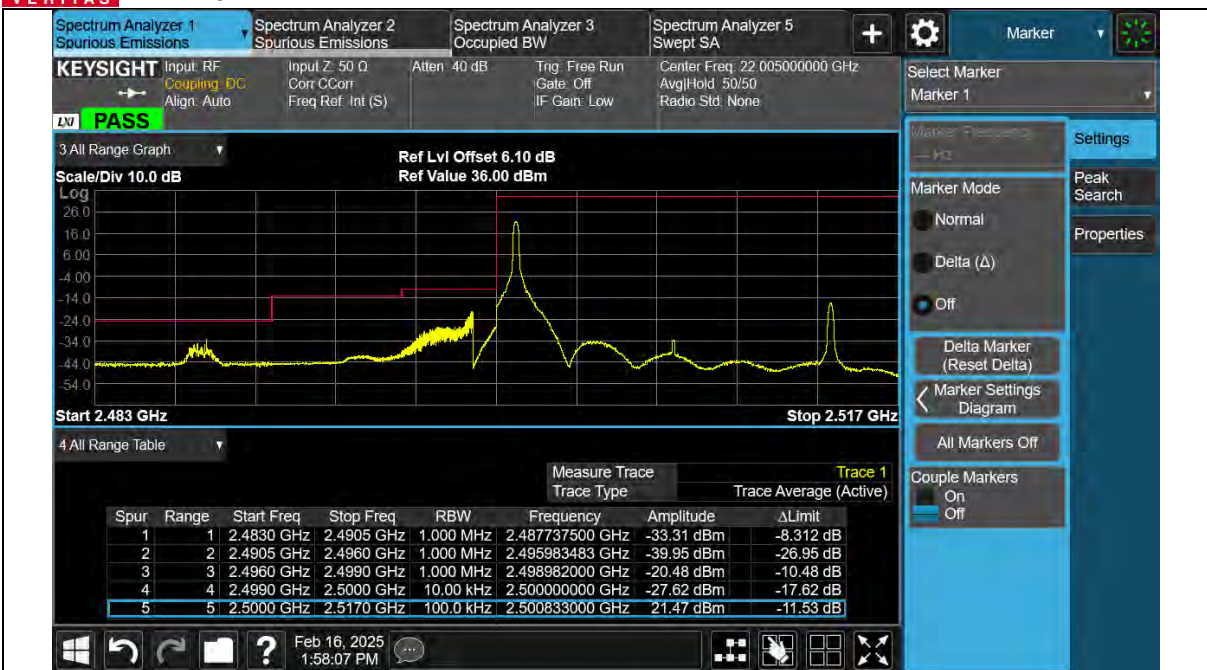
Band7-10MHz-16QAM-21400-27RB#23



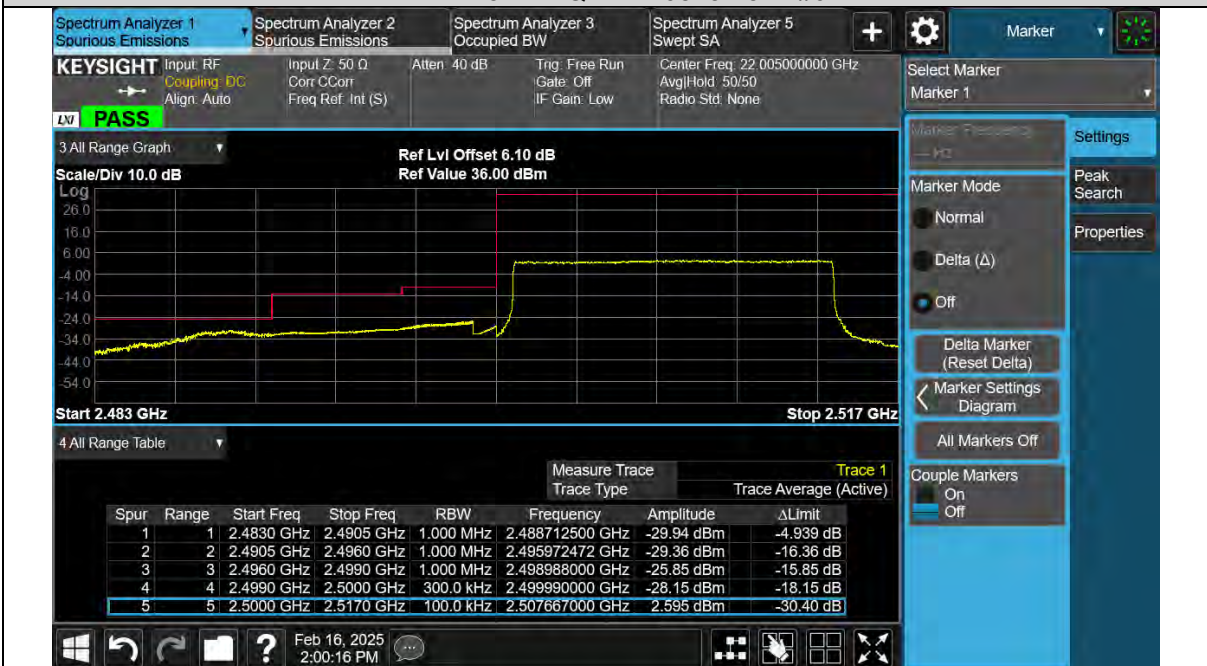
Band7-15MHz-QPSK-20825-1RB#0



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



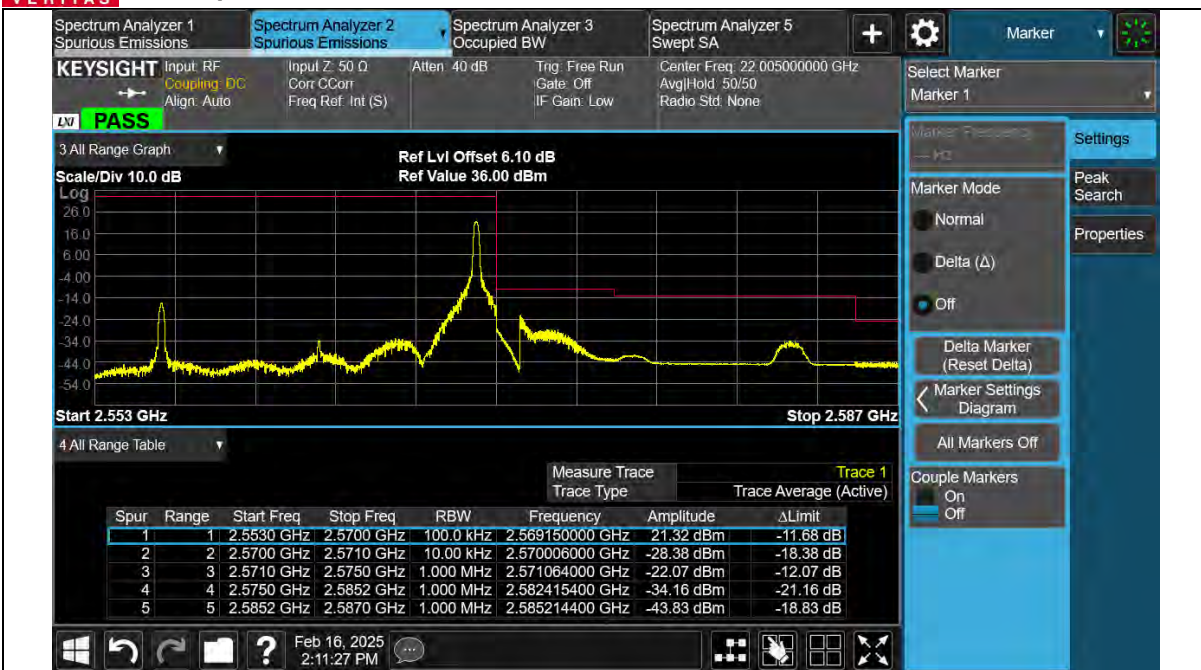
Band7-15MHz-QPSK-20825-75RB#0



Band7-15MHz-QPSK-21375-1RB#74



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



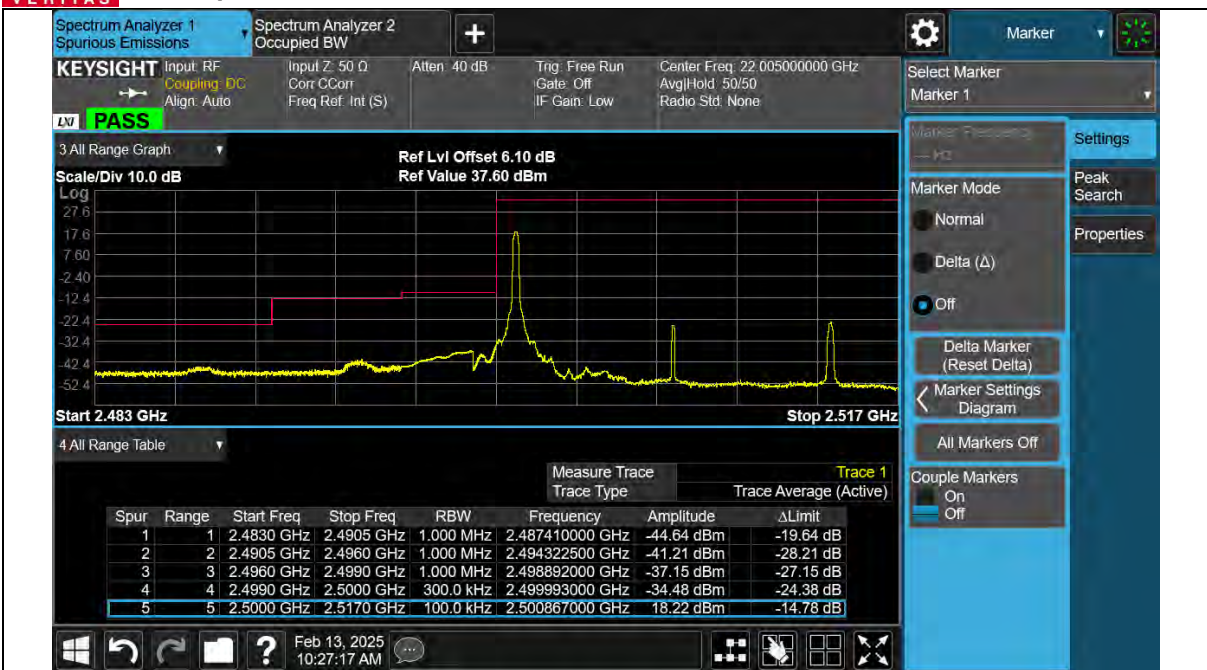
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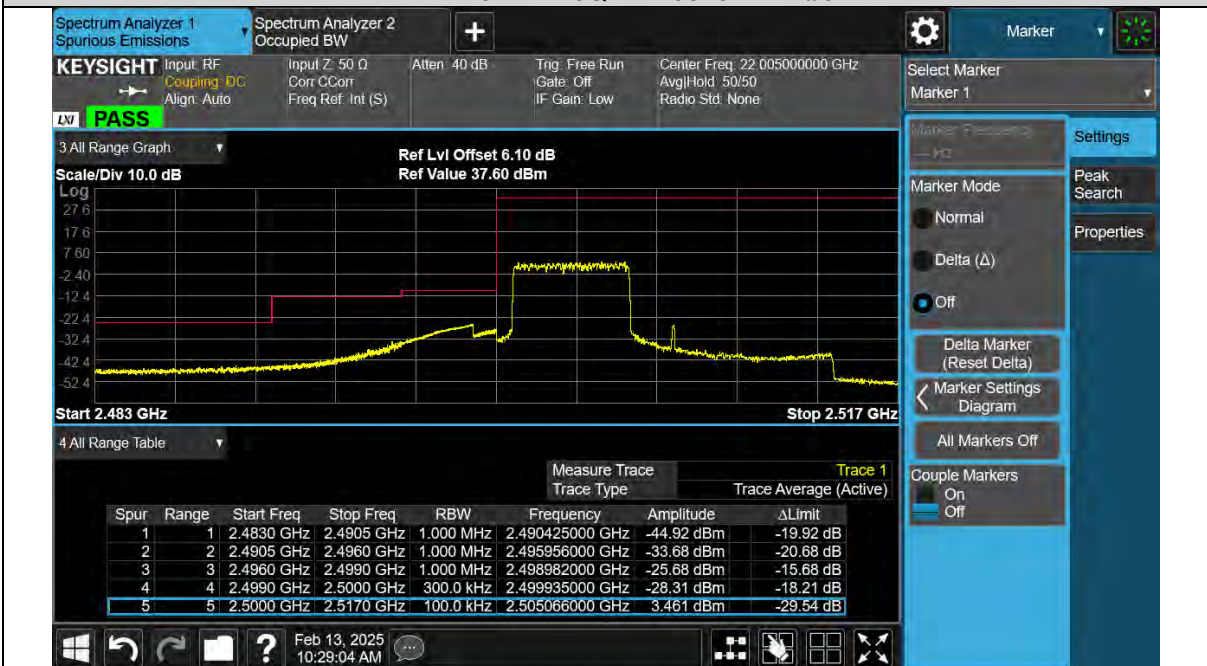
Band7-15MHz-16QAM-20825-1RB#0



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



Band7-15MHz-16QAM-20825-27RB#0

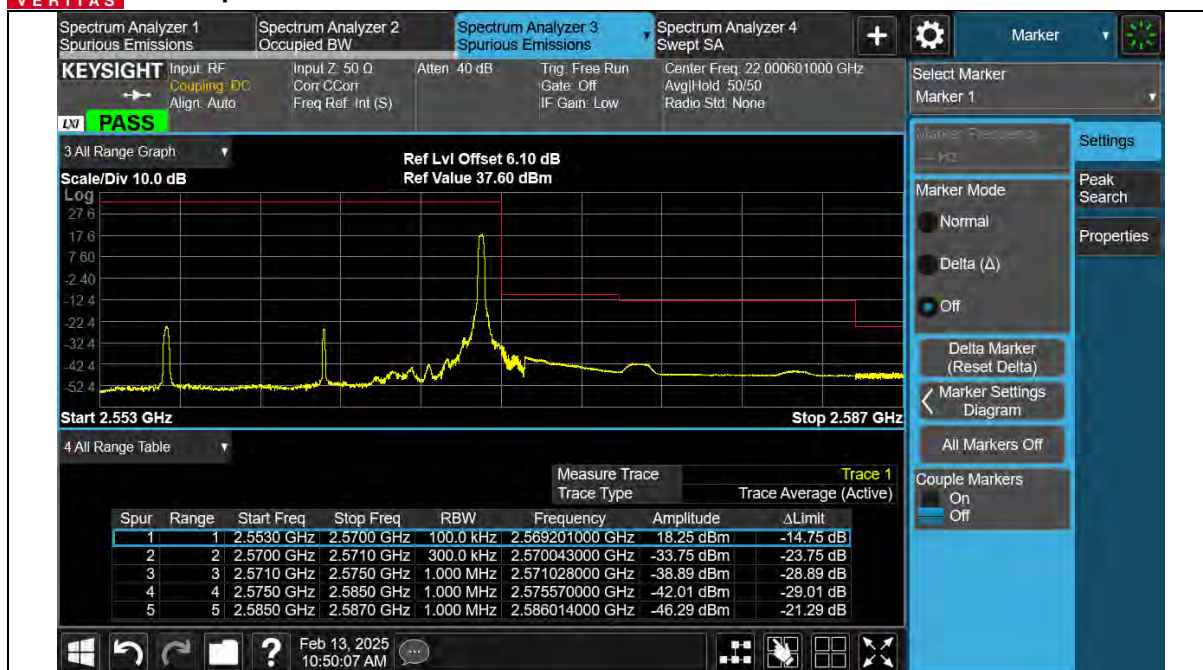


Band7-15MHz-16QAM-21375-1RB#74



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Test Report No.: PSZ-NQN2412300616RF03



Band7-15MHz-16QAM-21375-27RB#48

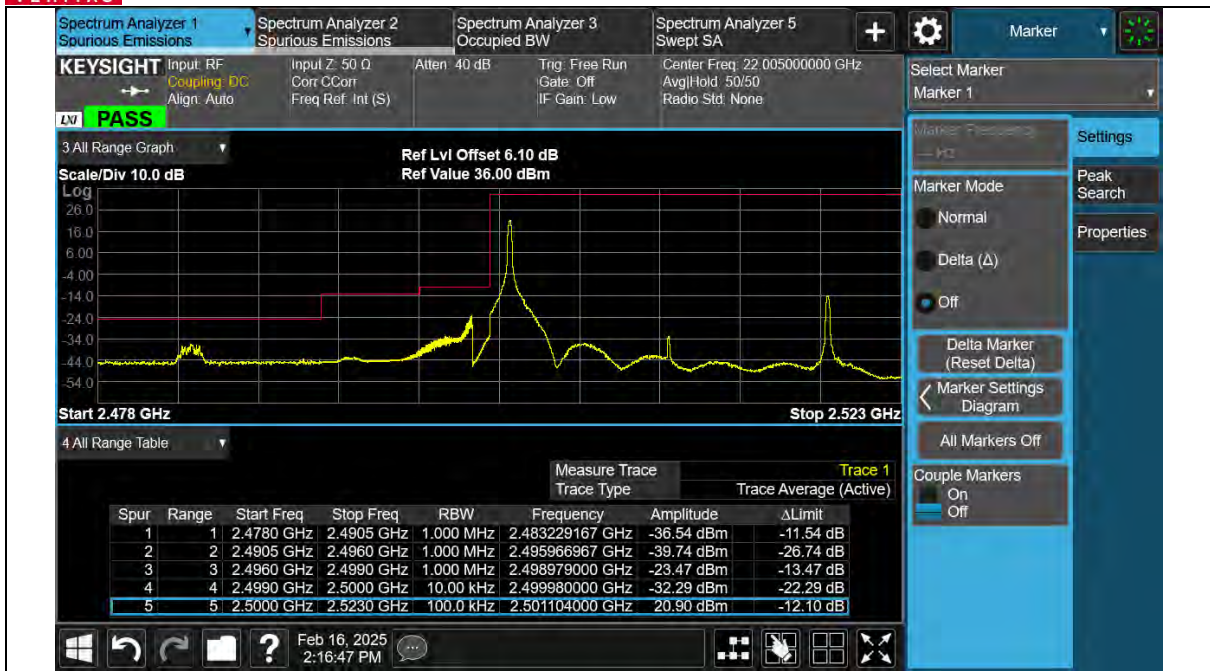


Band7-20MHz-QPSK-20850-1RB#0

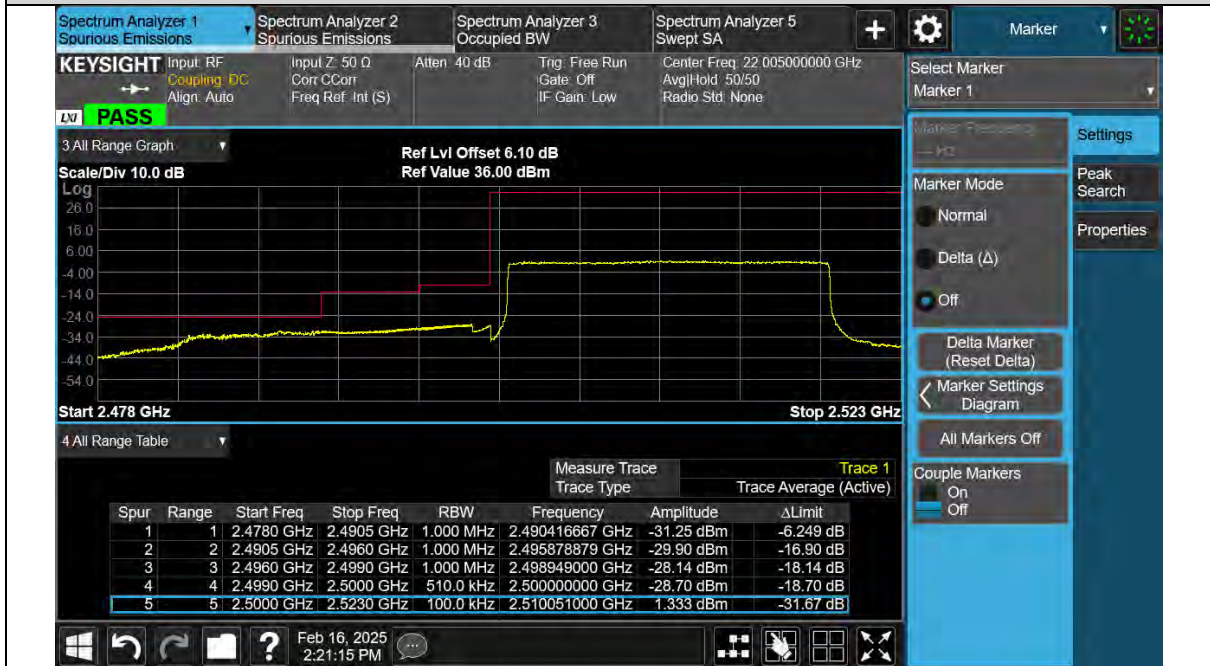


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Test Report No.: PSZ-NQN2412300616RF03



Band7-20MHz-QPSK-20850-100RB#0

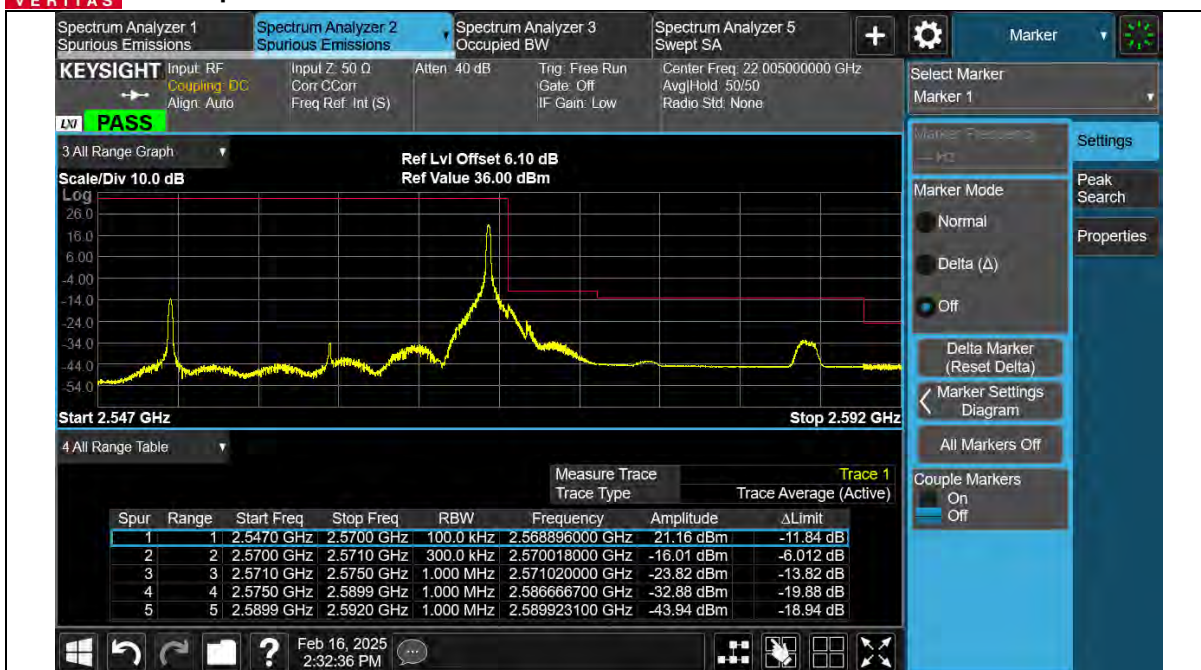


Band7-20MHz-QPSK-21350-1RB#99

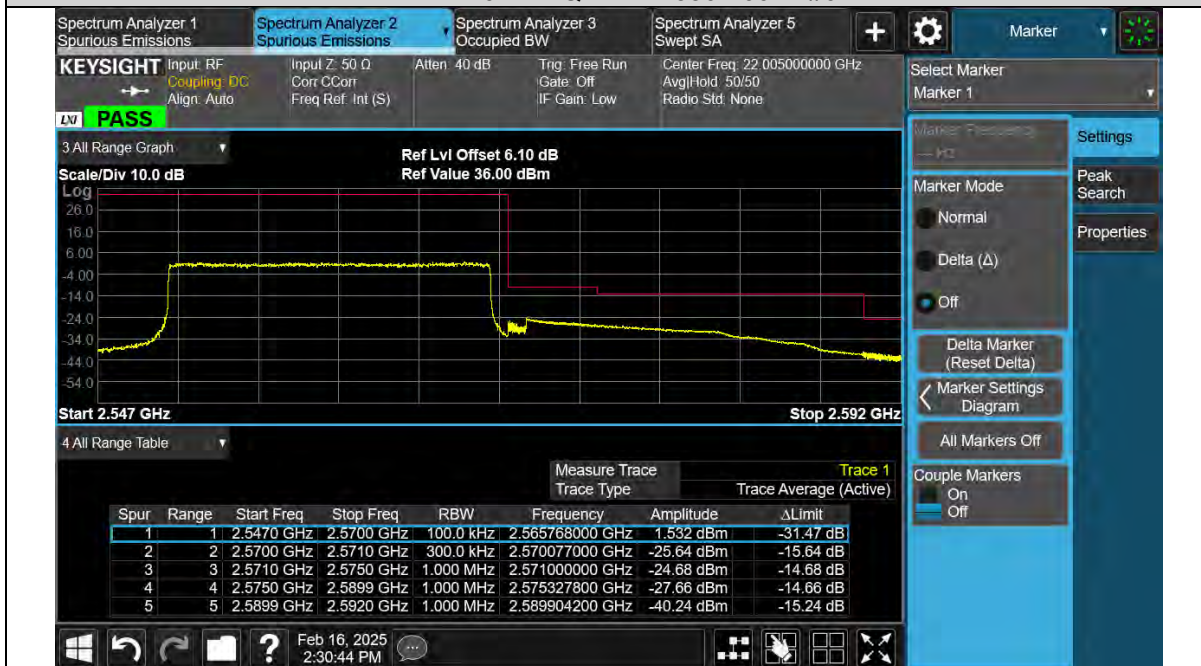


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Test Report No.: PSZ-NQN2412300616RF03



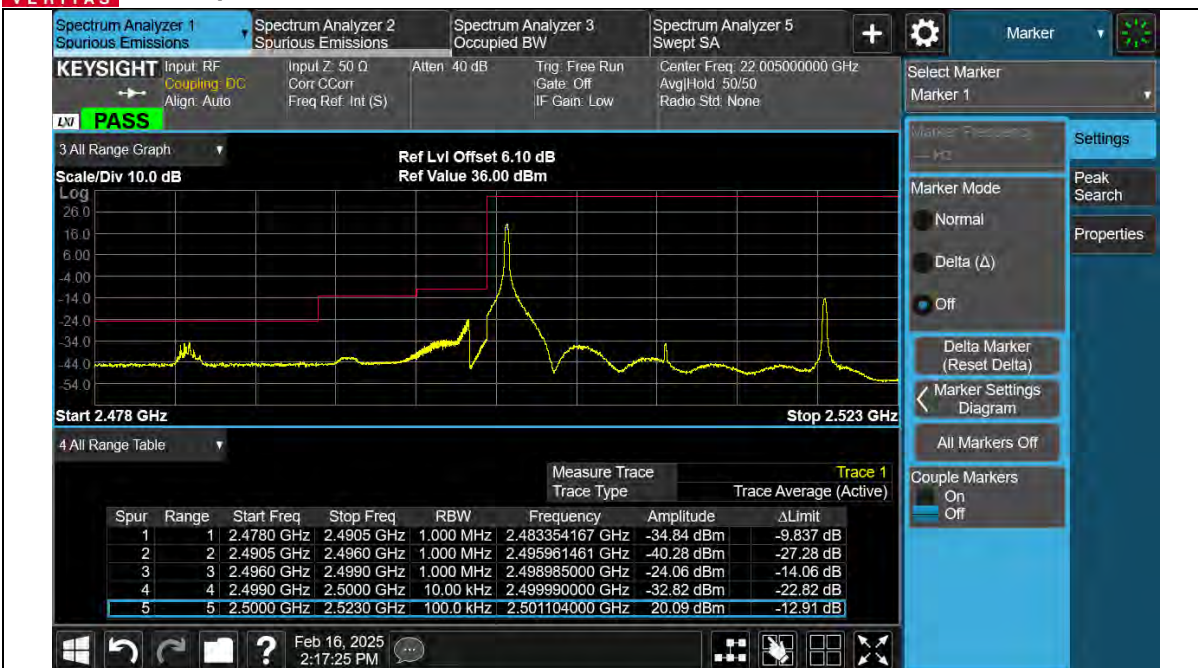
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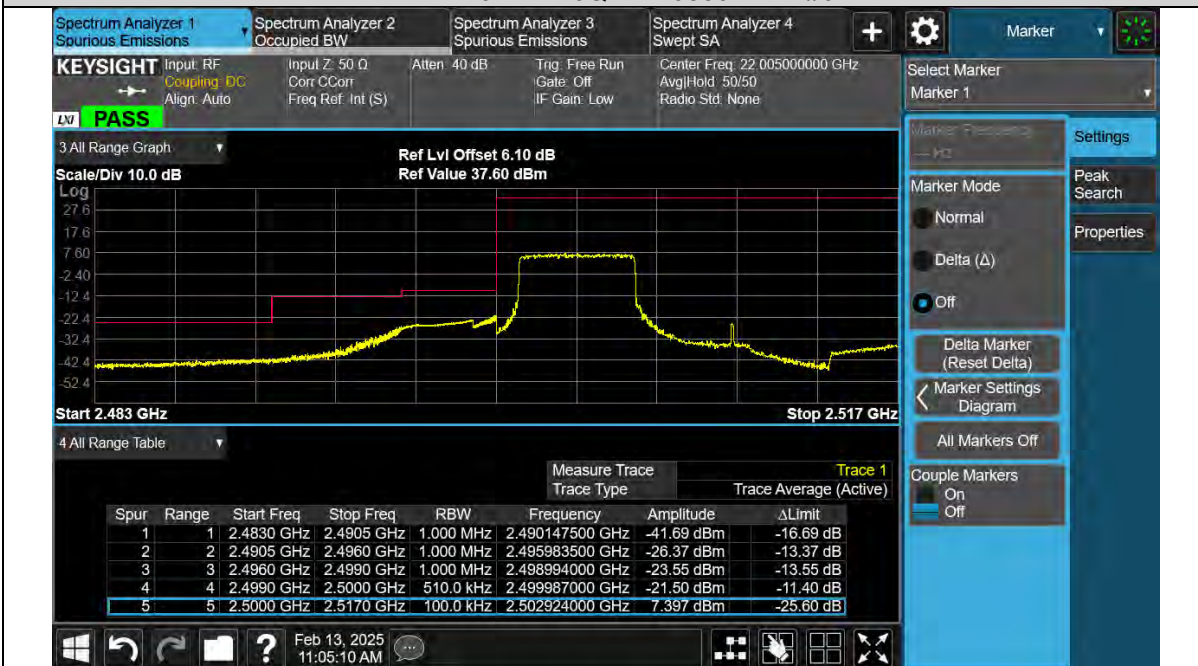
Band7-20MHz-16QAM-20850-1RB#0



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



Band7-20MHz-16QAM-20850-27RB#0

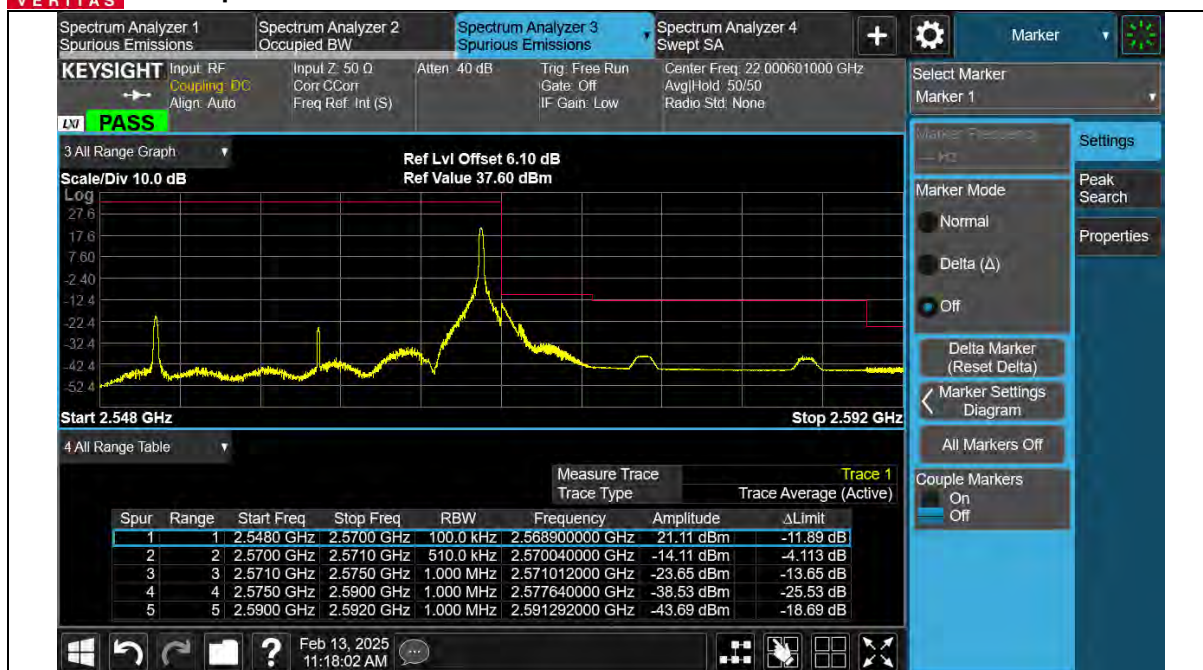


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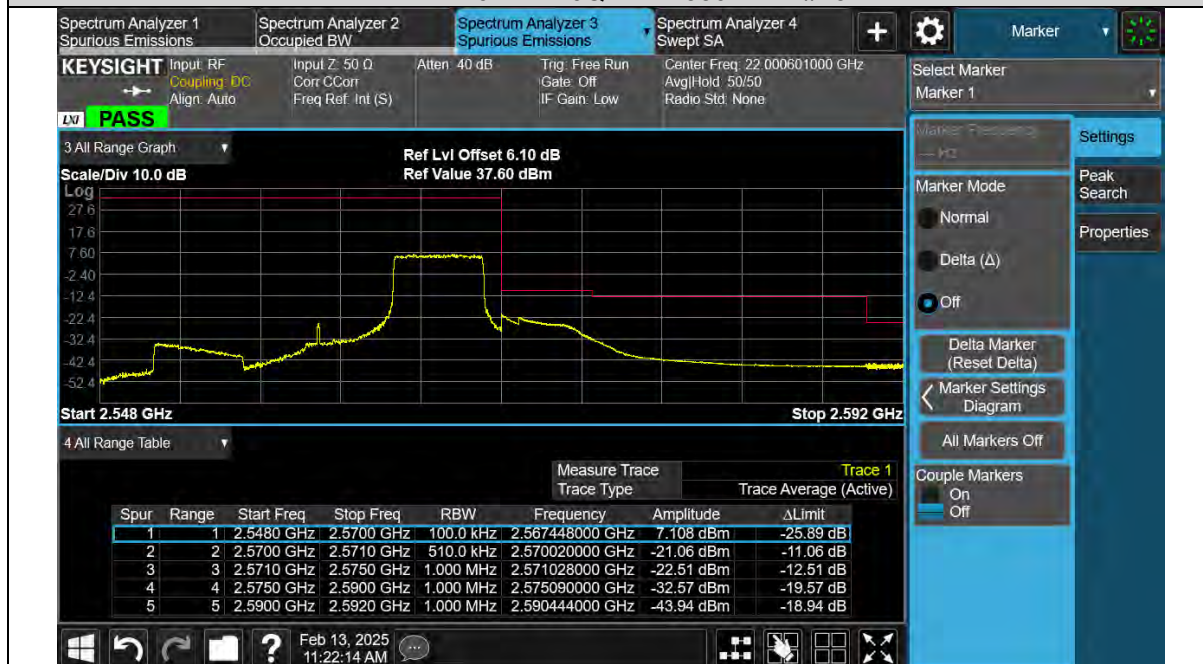


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band7-20MHz-16QAM-21350-27RB#73





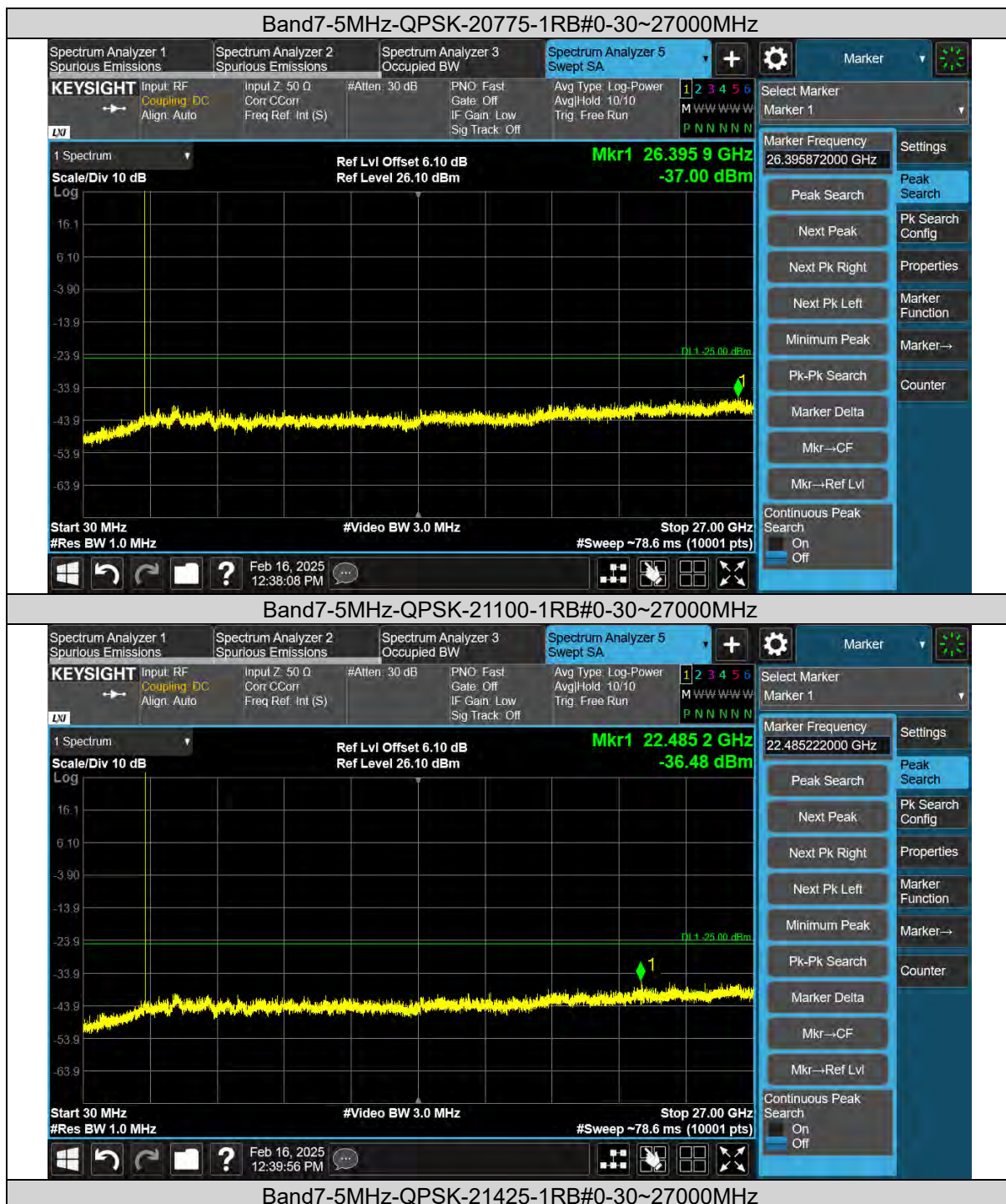
BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	30~27000MHz	See Graph	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~27000MHz	See Graph	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~27000MHz	See Graph	PASS
Band7	10MHz	QPSK	20800	1RB#0	30~27000MHz	See Graph	PASS
Band7	10MHz	QPSK	21100	1RB#0	30~27000MHz	See Graph	PASS
Band7	10MHz	QPSK	21400	1RB#0	30~27000MHz	See Graph	PASS
Band7	15MHz	QPSK	20825	1RB#0	30~27000MHz	See Graph	PASS
Band7	15MHz	QPSK	21100	1RB#0	30~27000MHz	See Graph	PASS
Band7	15MHz	QPSK	21375	1RB#0	30~27000MHz	See Graph	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~27000MHz	See Graph	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~27000MHz	See Graph	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~27000MHz	See Graph	PASS

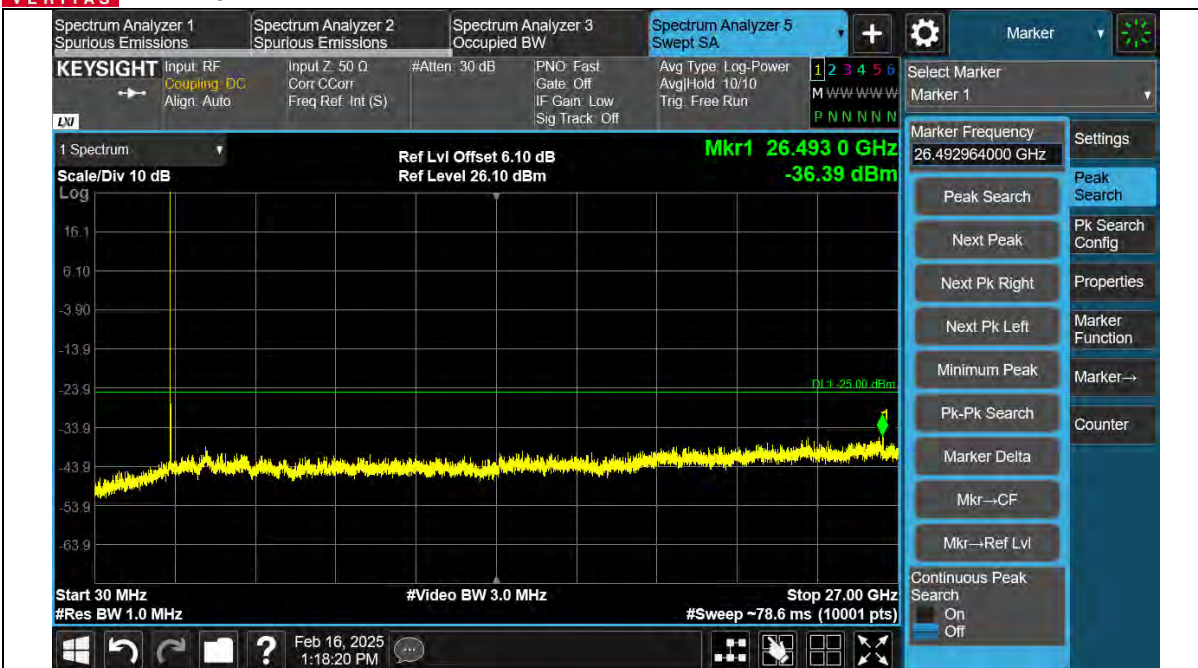


Test Graphs

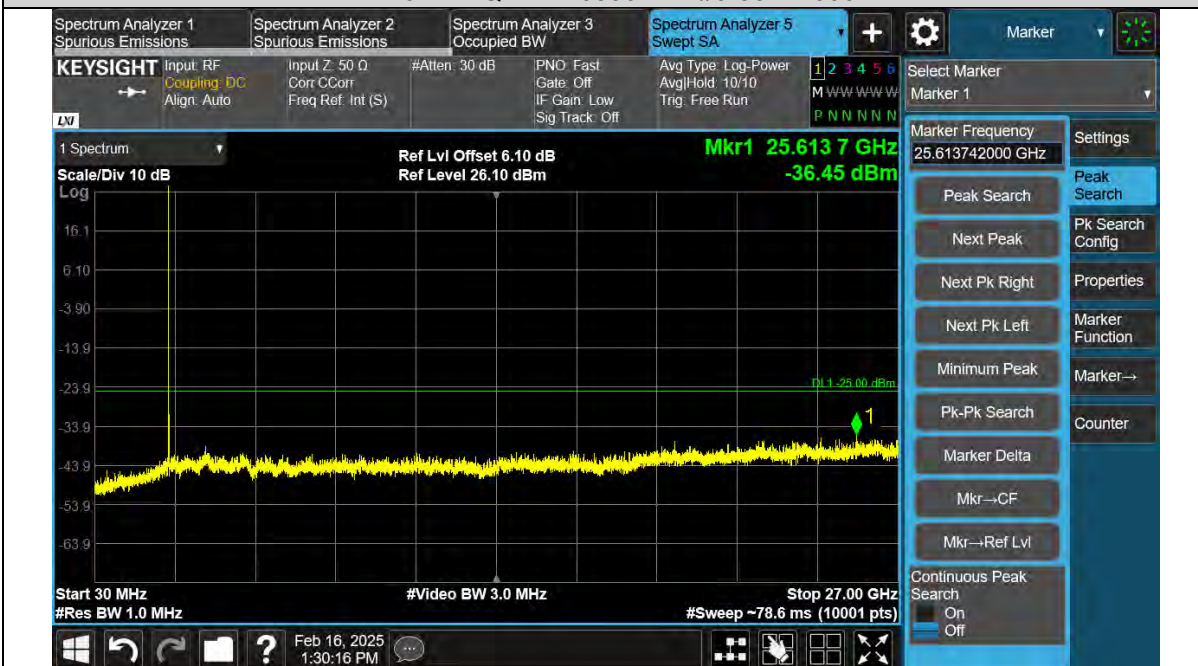




BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



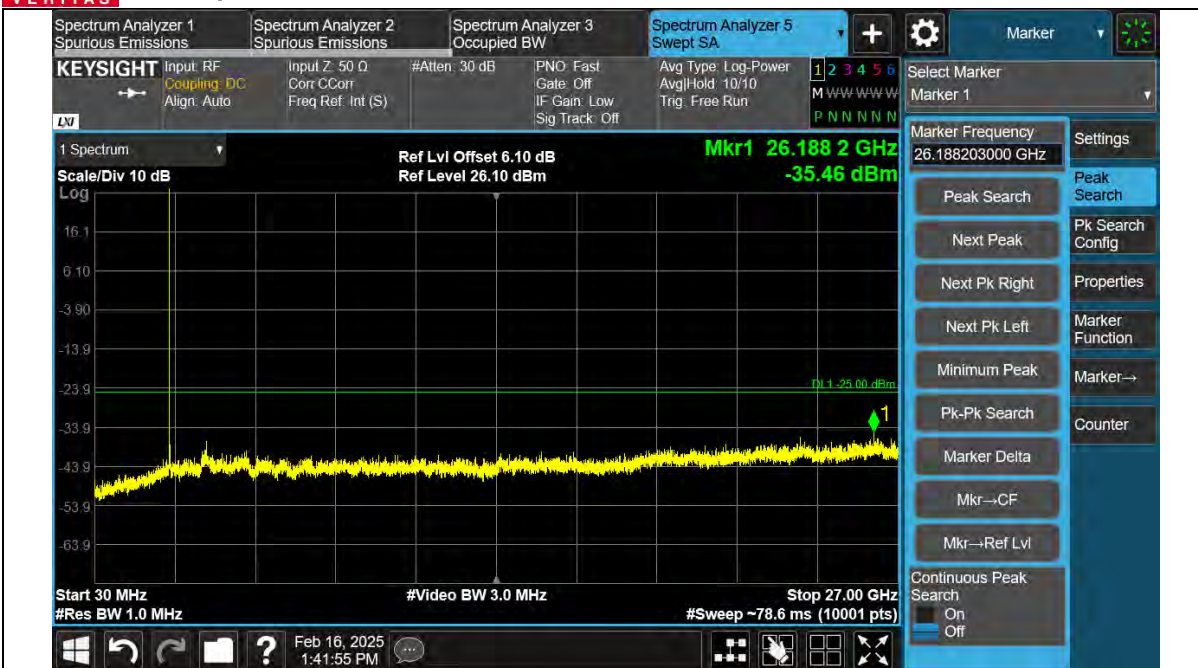
Band7-10MHz-QPSK-20800-1RB#0-30~27000MHz



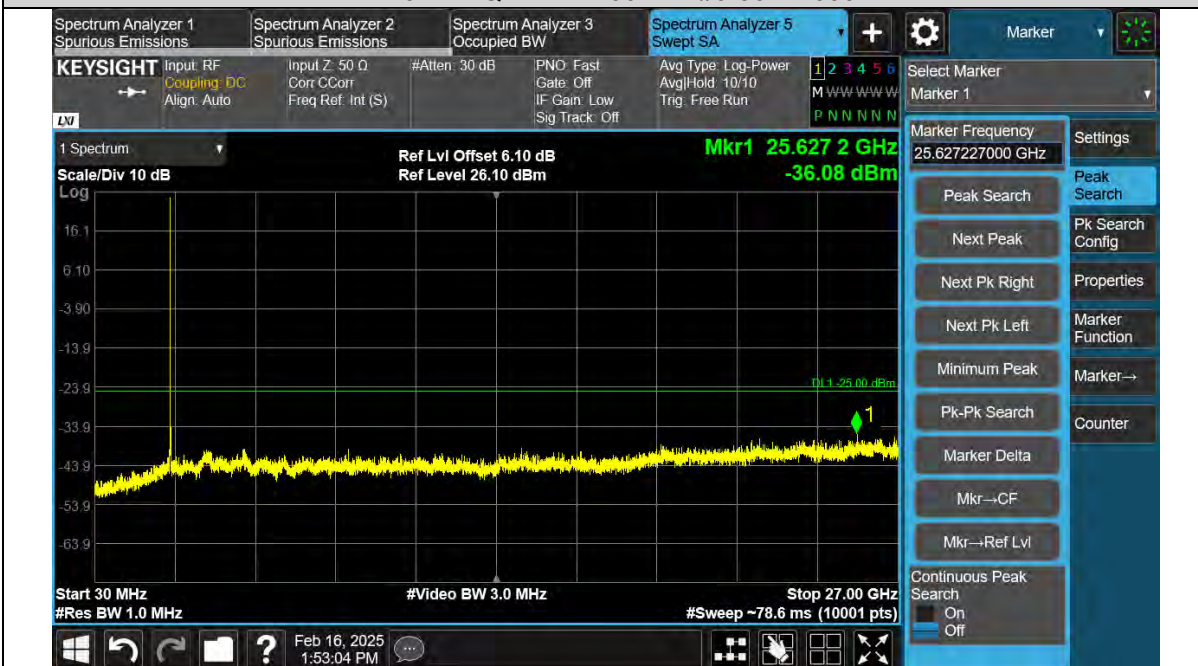
Band7-10MHz-QPSK-21100-1RB#0-30~27000MHz



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



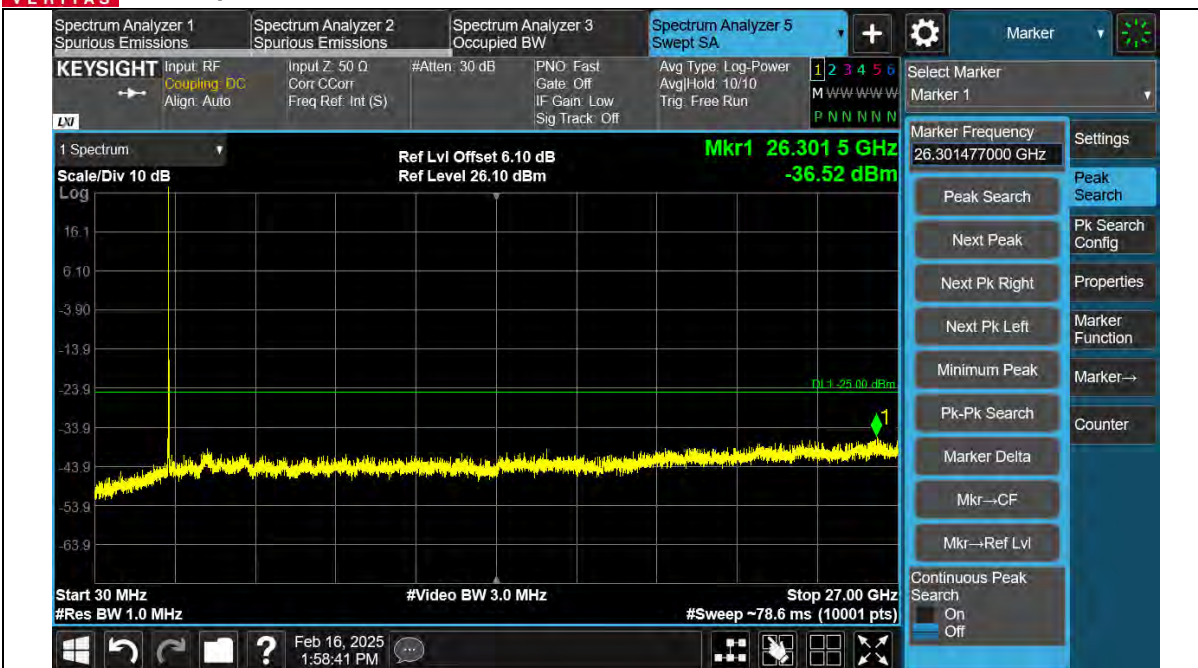
Band7-10MHz-QPSK-21400-1RB#0-30~27000MHz



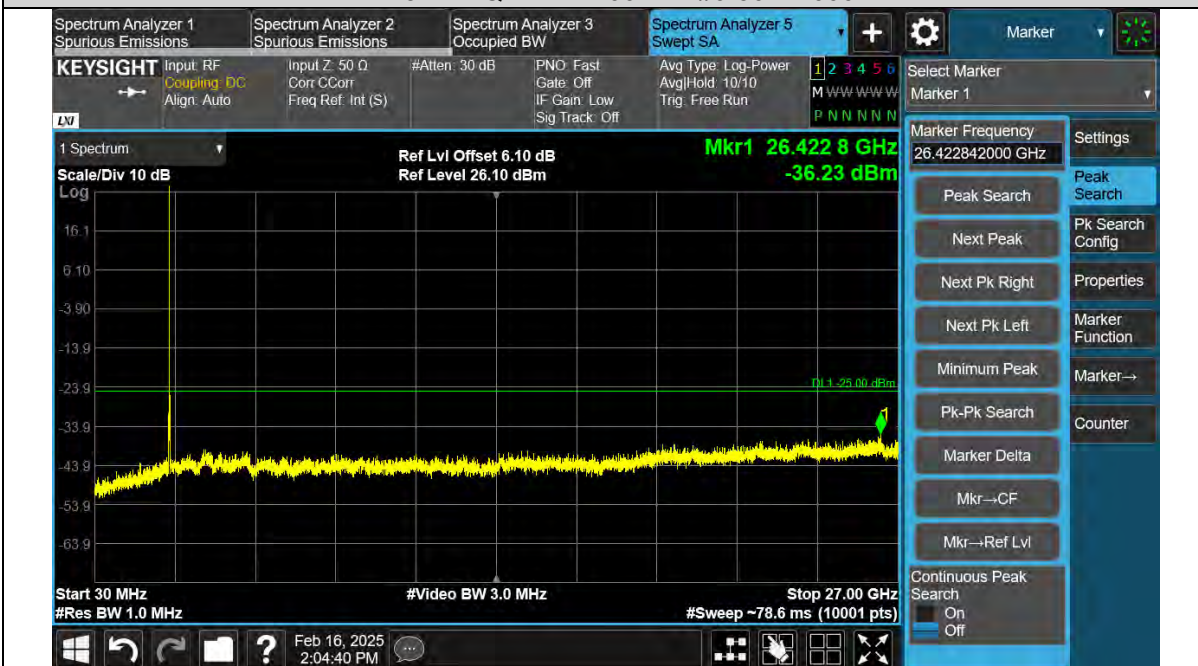
Band7-15MHz-QPSK-20825-1RB#0-30~27000MHz



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



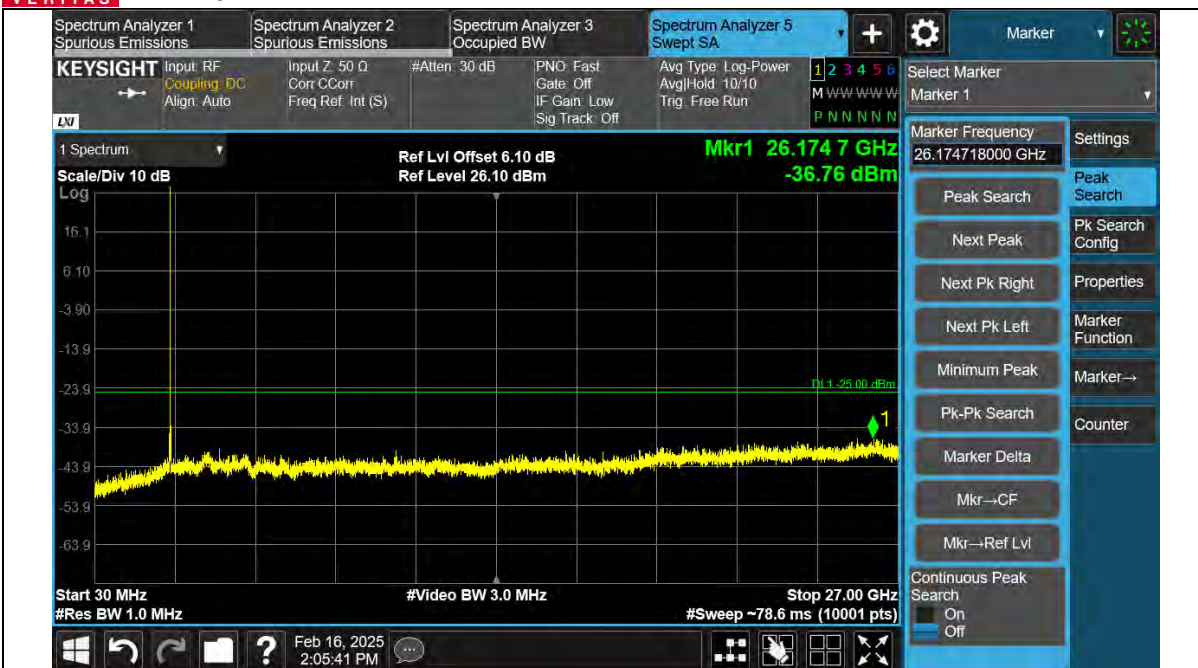
Band7-15MHz-QPSK-21100-1RB#0-30~27000MHz



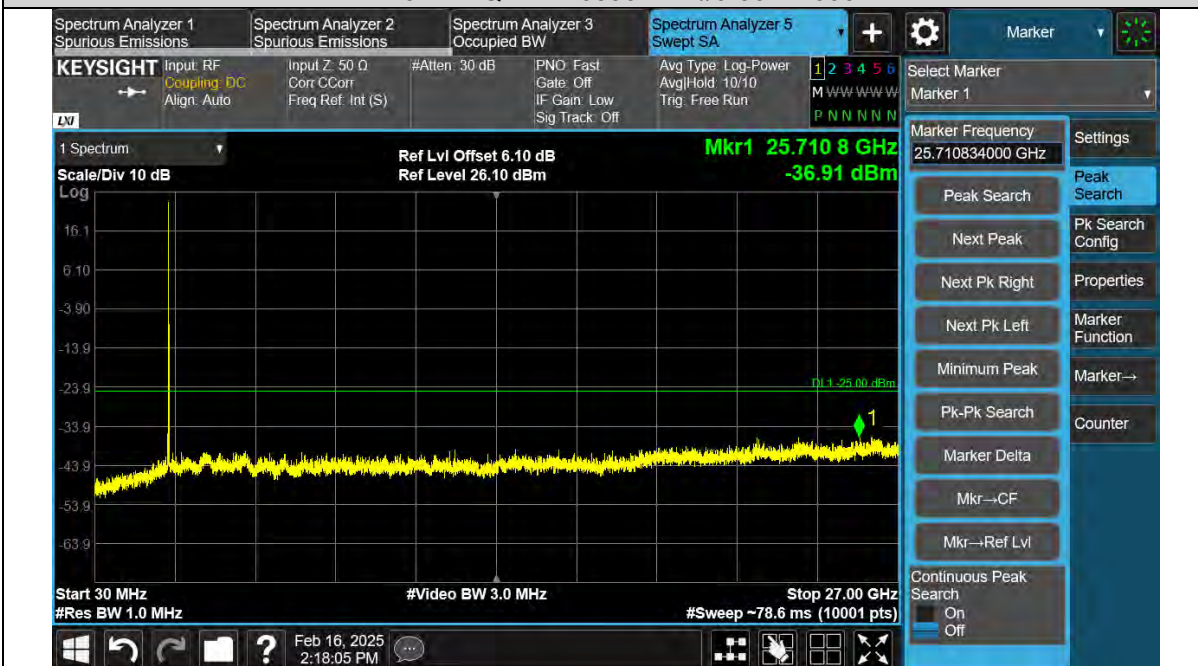
Band7-15MHz-QPSK-21375-1RB#0-30~27000MHz



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



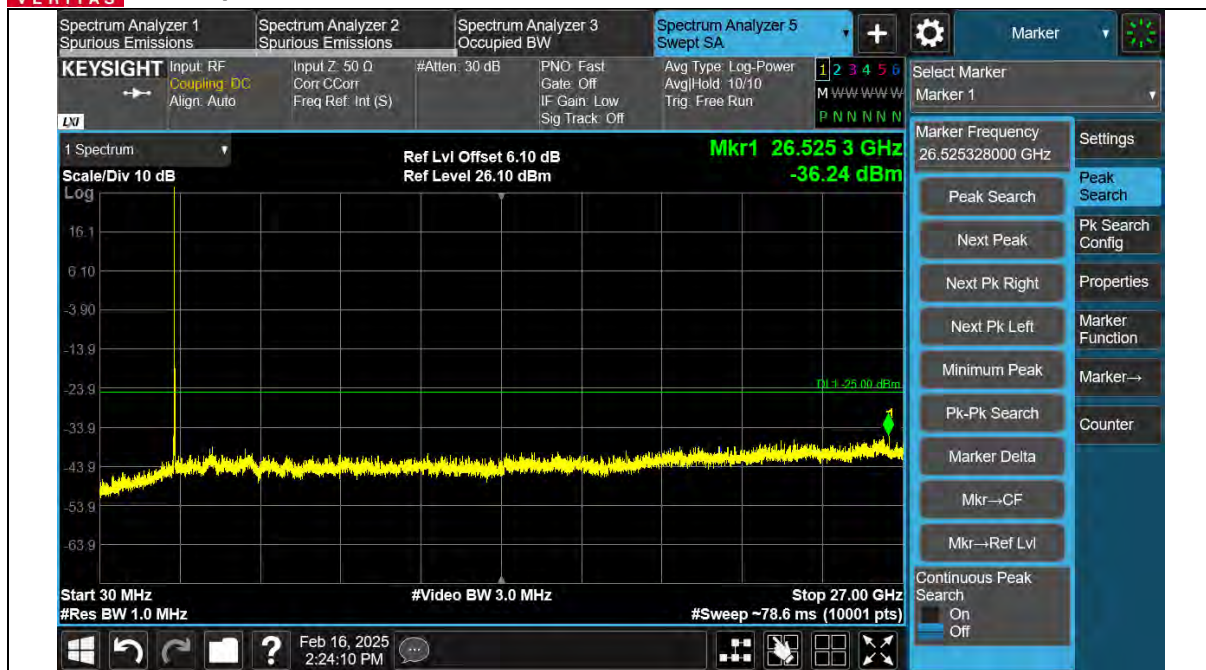
Band7-20MHz-QPSK-20850-1RB#0-30~27000MHz



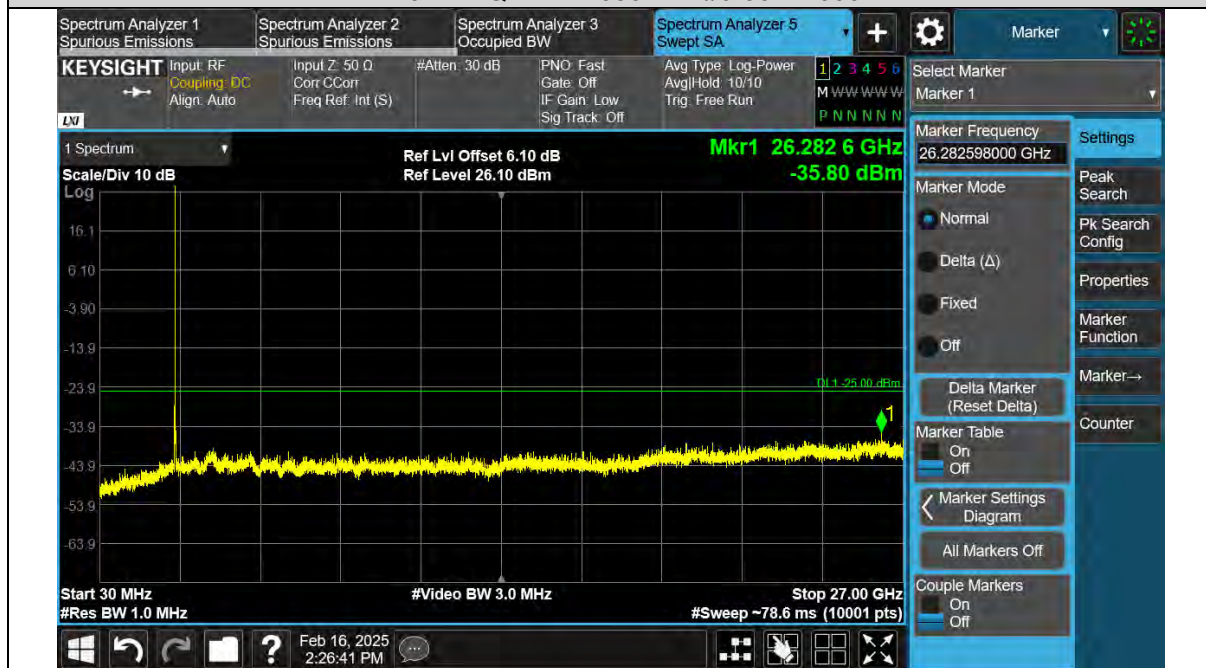
Band7-20MHz-QPSK-21100-1RB#0-30~27000MHz



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF03



Band7-20MHz-QPSK-21350-1RB#0-30~27000MHz





FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	8.37	0.000401	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	17.4	0.000835	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-8.1	-0.000388	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	13.4	0.000635	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-15.5	-0.000735	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	17.2	0.000815	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-0.9	-0.000042	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	10.8	0.000506	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	12.8	0.000600	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-0.14	-0.000056	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	4.5	0.001793	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	23	0.009163	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	11.2	0.004462	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	0.5	0.000199	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	29.8	0.011873	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-9	-0.003586	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-21.3	-0.008486	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	22.6	0.009004	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	29.5	0.011637	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-13.9	-0.005483	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-3.3	-0.001302	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	25.5	0.010059	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	24.2	0.009546	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	10.3	0.004063	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-4.1	-0.001617	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	15.3	0.006036	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	6.8	0.002682	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-7.8	-0.003047	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	3.6	0.001406	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-22.2	-0.008672	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	28.1	0.010977	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-0.6	-0.000234	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-1.6	-0.000625	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-26.4	-0.010313	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	20.8	0.008125	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	-25.7	-0.010039	±2.5	PASS

LTE BAND12

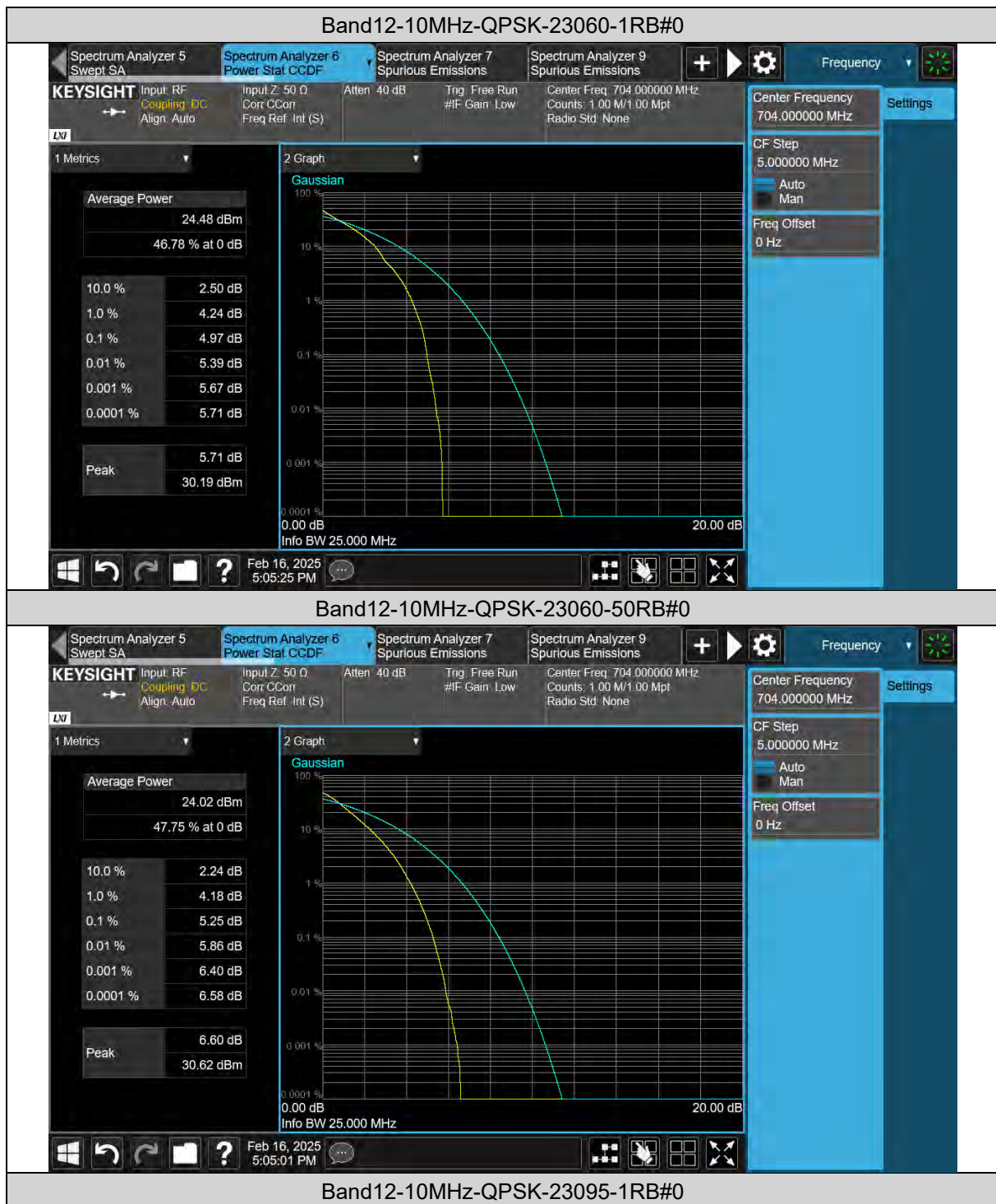
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	4.97	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.25	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.82	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.55	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.35	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.63	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.81	13	PASS
Band12	10MHz	16QAM	23060	27RB#0	6.08	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.46	13	PASS
Band12	10MHz	16QAM	23095	27RB#0	6.33	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.27	13	PASS
Band12	10MHz	16QAM	23130	27RB#0	6.44	13	PASS



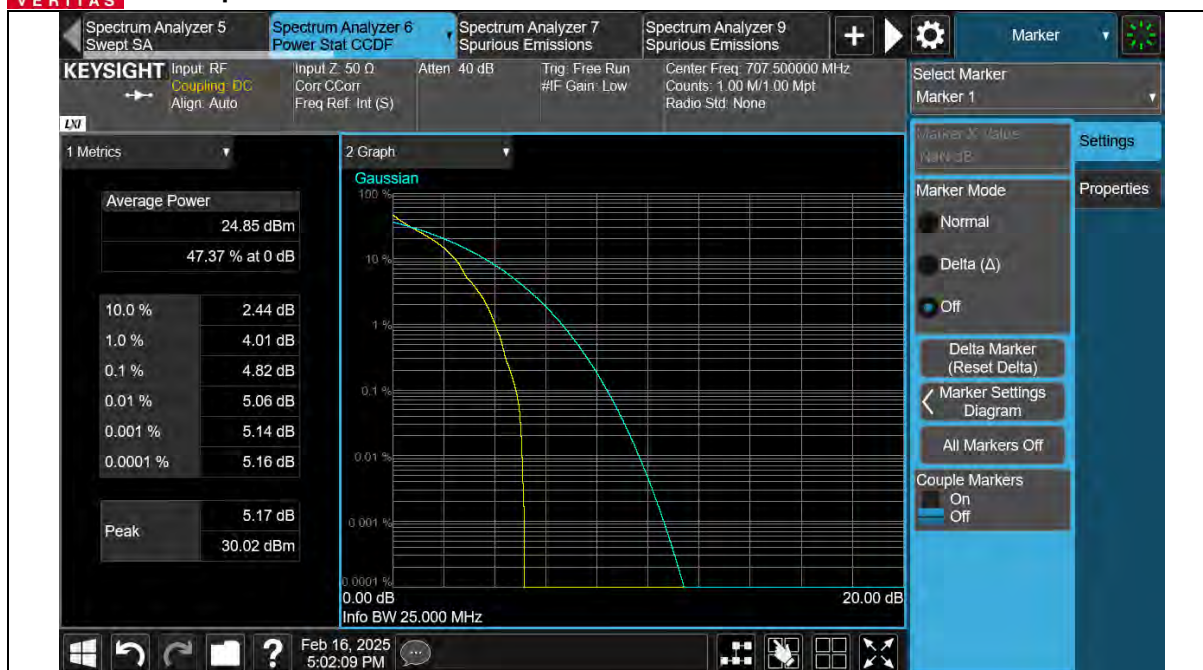
Test Graphs



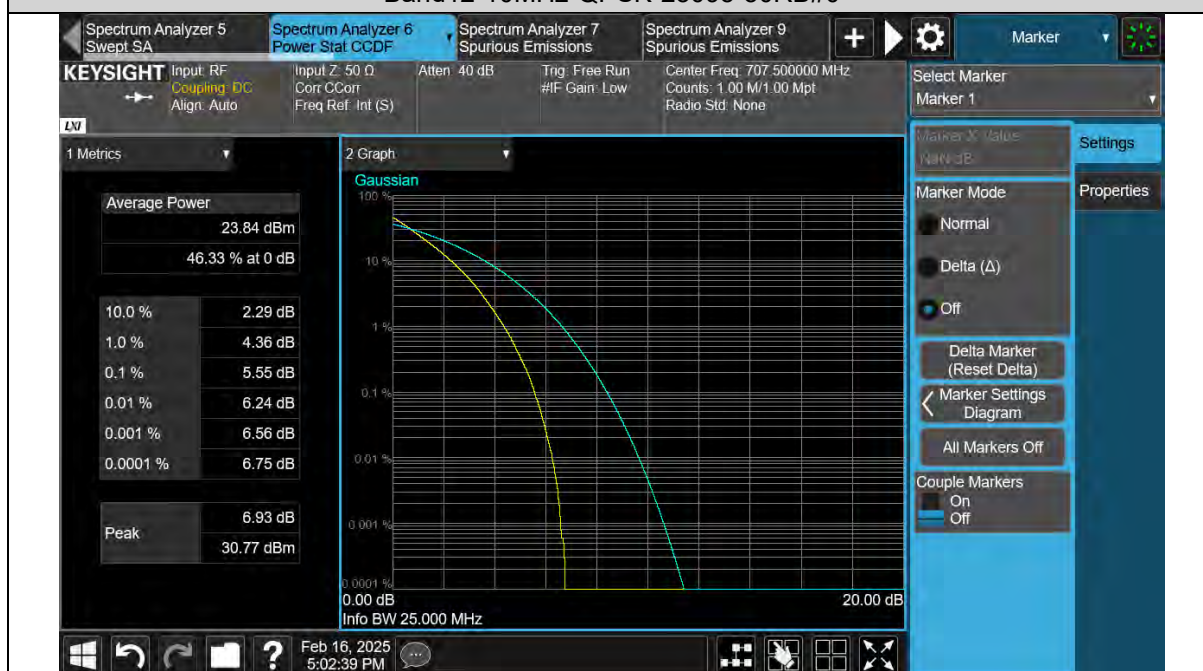


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Test Report No.: PSZ-NQN2412300616RF03



Band12-10MHz-QPSK-23095-50RB#0

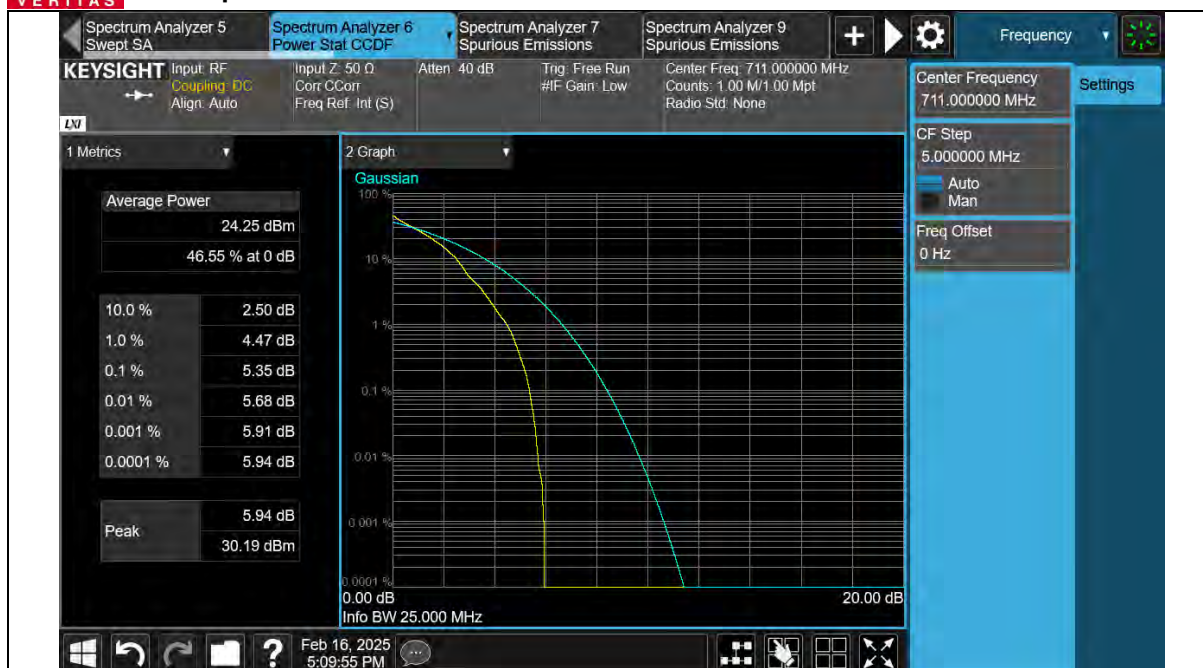


Band12-10MHz-QPSK-23130-1RB#0

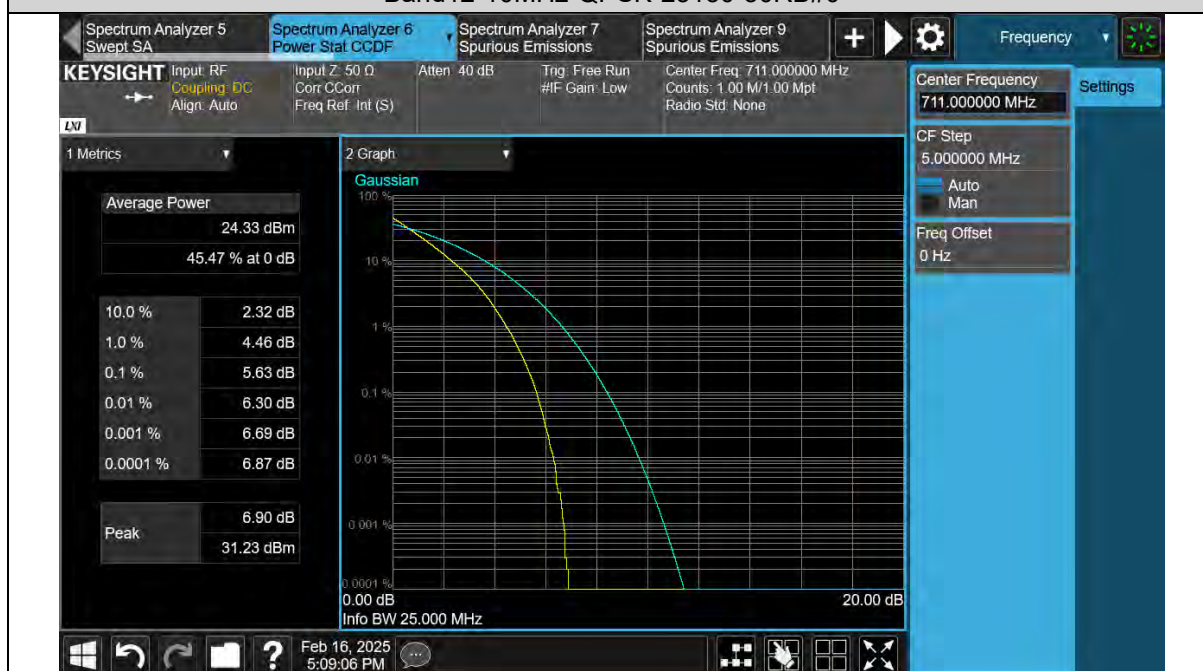


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



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

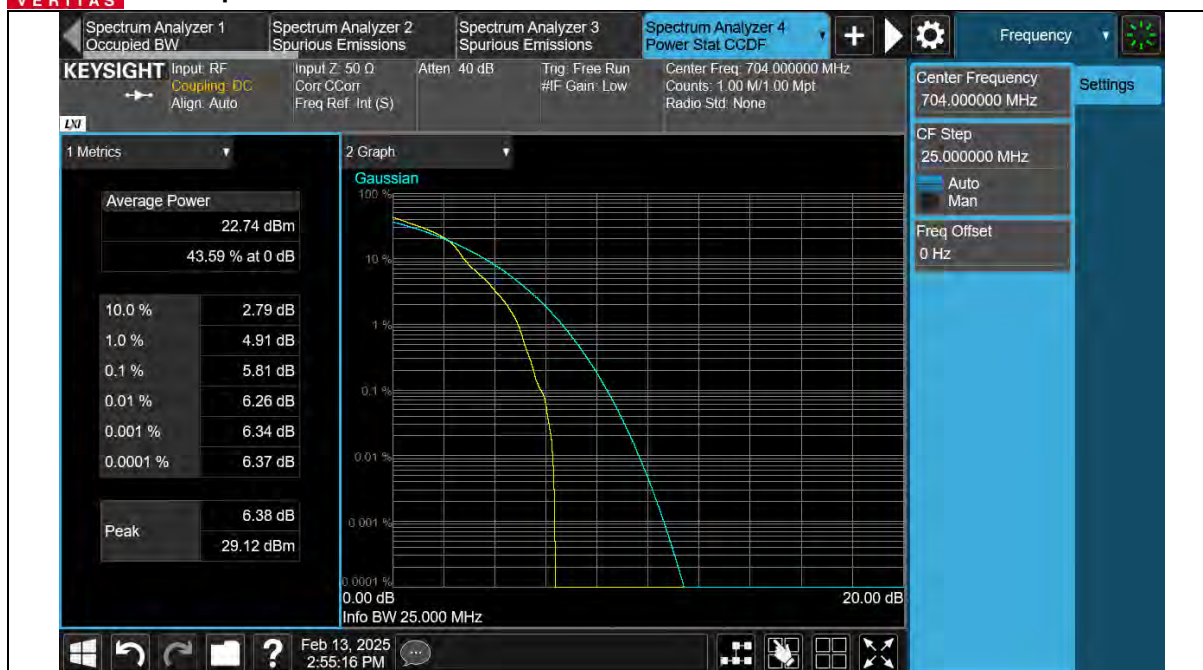


Band12-10MHz-16QAM-23060-1RB#0

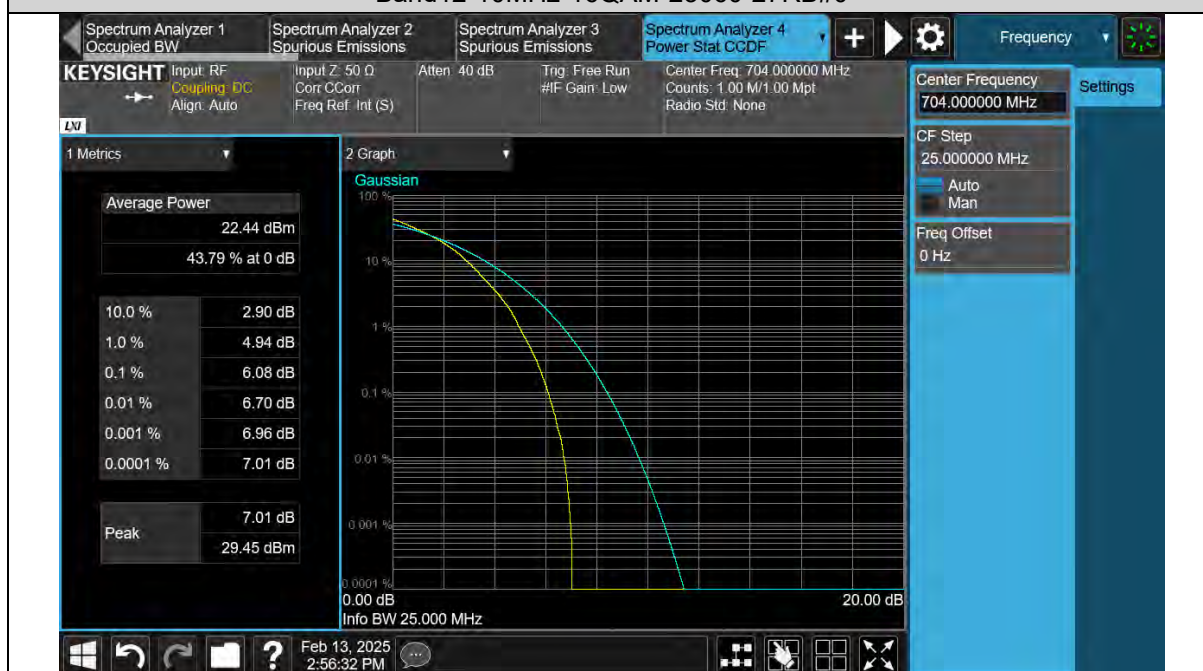


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Test Report No.: PSZ-NQN2412300616RF03



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

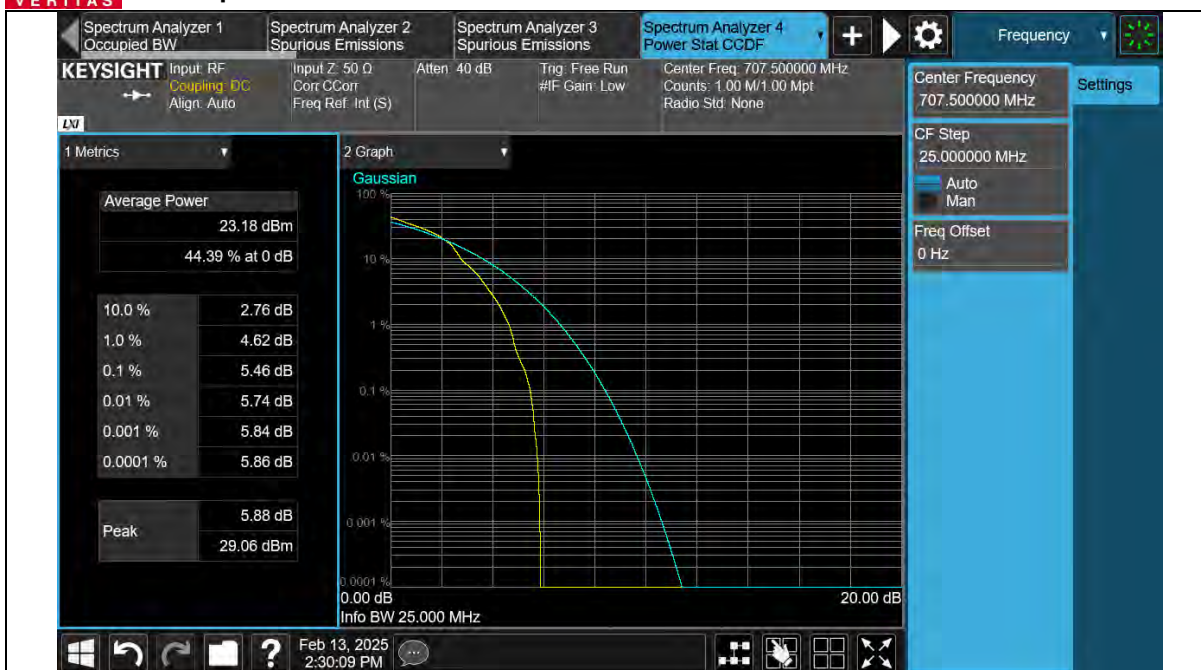


Band12-10MHz-16QAM-23095-1RB#0

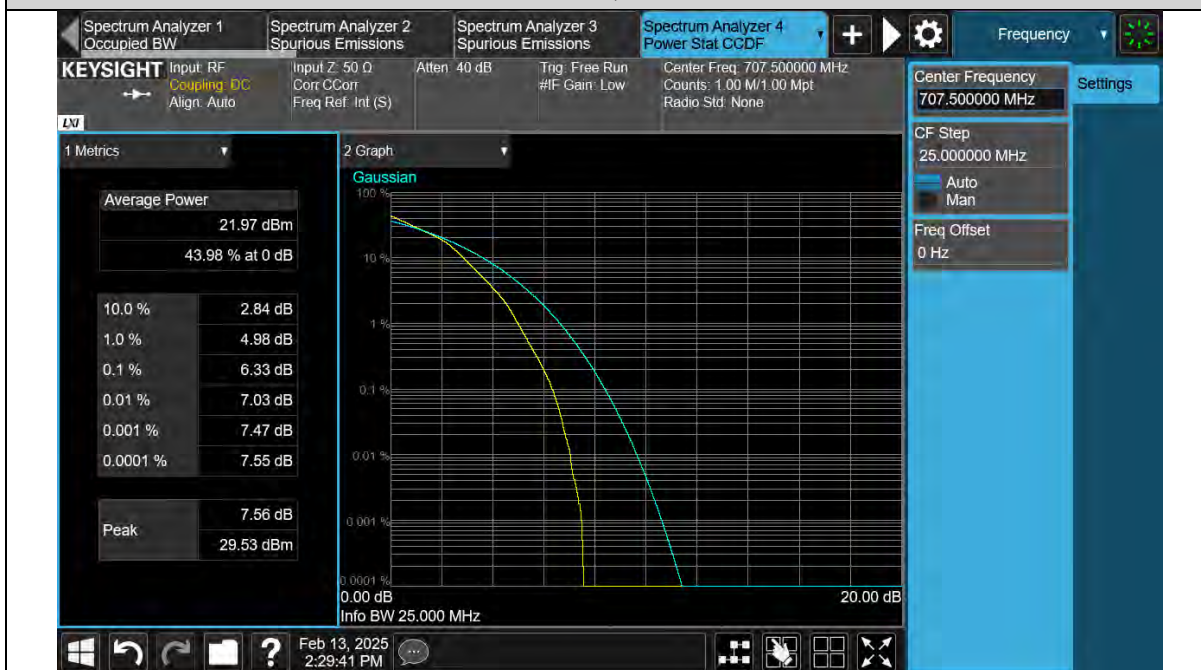


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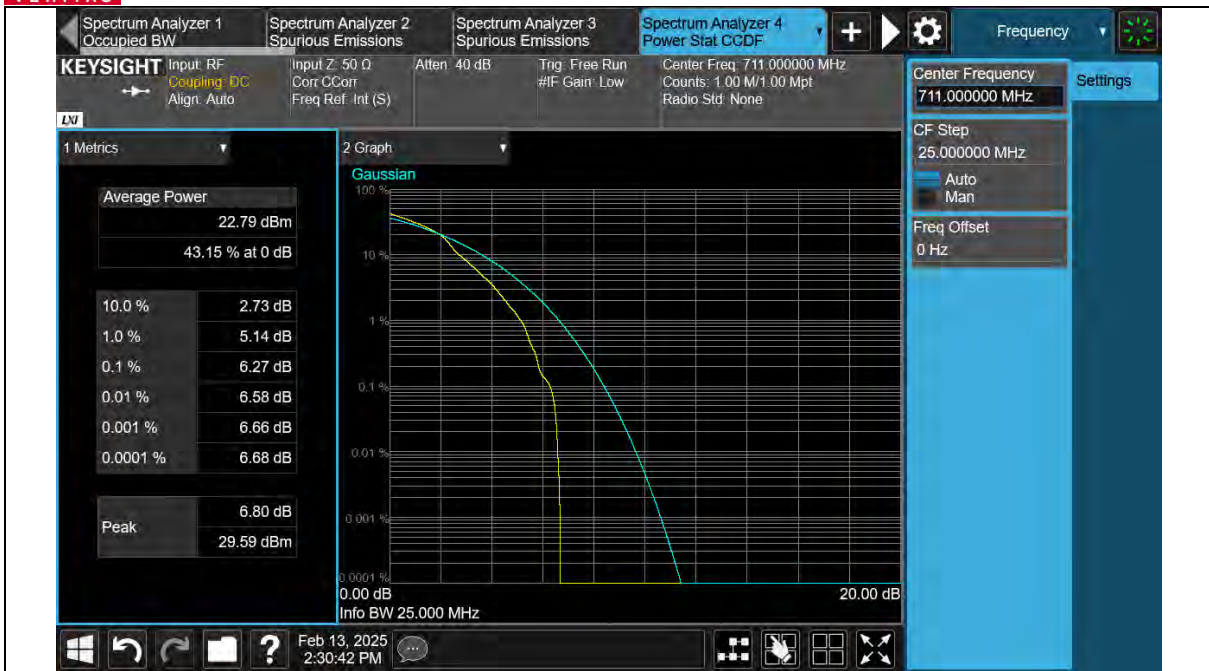
Test Report No.: PSZ-NQN2412300616RF03



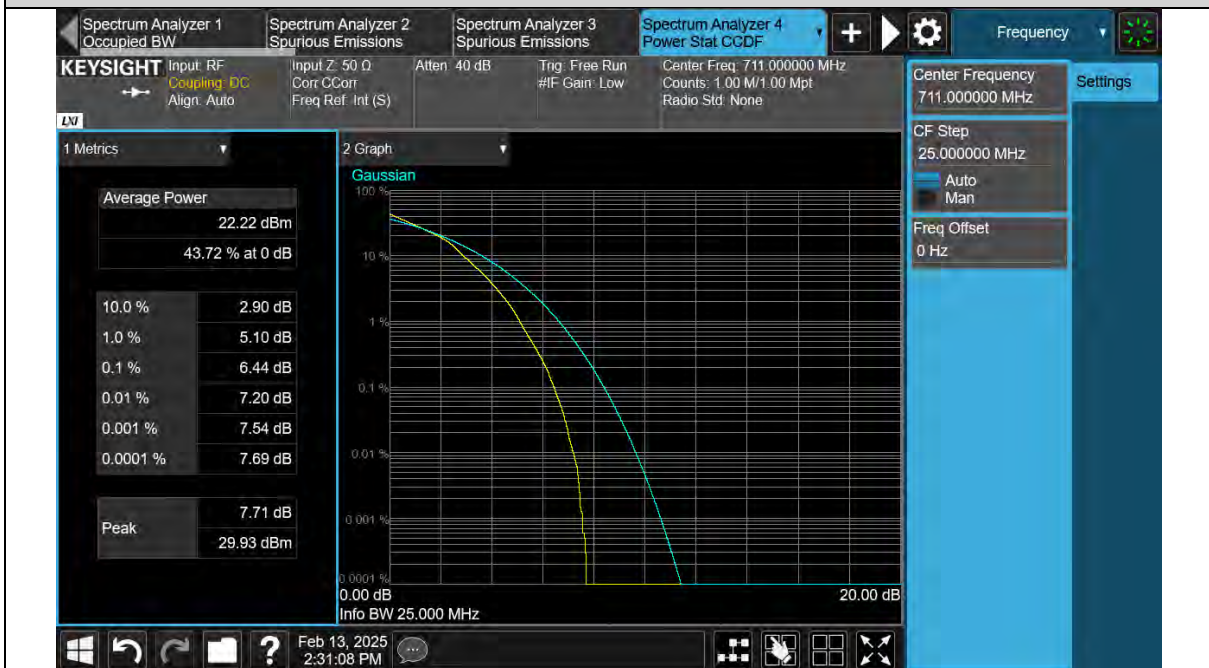
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Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-16QAM-23130-27RB#0



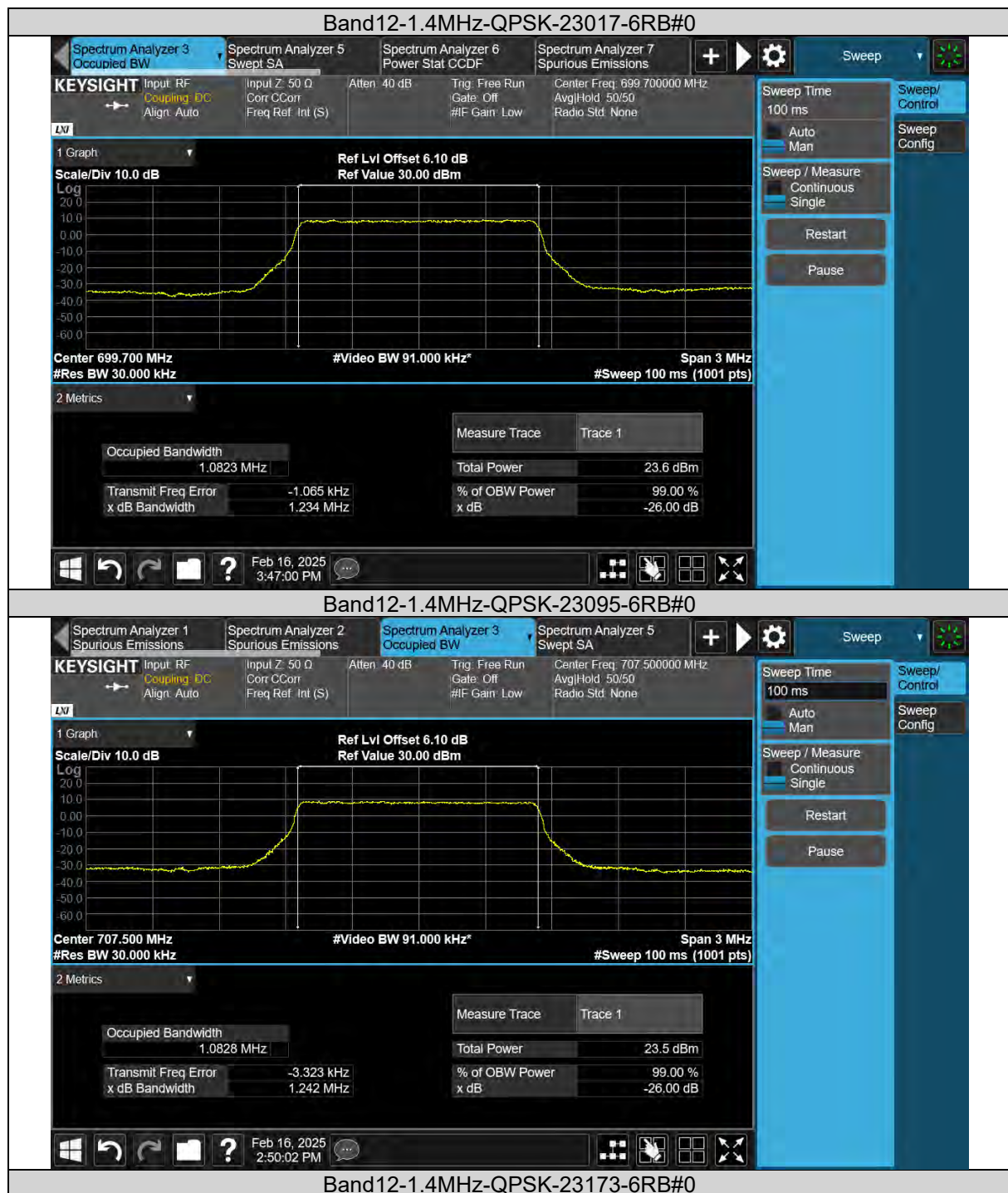
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.082	1.234	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.083	1.242	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.084	1.236	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.083	1.248	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.083	1.247	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.083	1.244	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.675	2.858	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.675	2.866	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.681	2.866	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.676	2.858	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.677	2.872	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.678	2.869	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.459	4.725	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.464	4.753	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.456	4.737	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.459	4.728	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.456	4.748	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.458	4.728	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.881	9.264	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.904	9.296	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.922	9.362	PASS
Band12	10MHz	16QAM	23060	27RB#0	4.813	5.181	PASS
Band12	10MHz	16QAM	23095	27RB#0	4.810	5.200	PASS
Band12	10MHz	16QAM	23130	27RB#0	4.818	5.230	PASS



Test Graphs





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Test Report No.: PSZ-NQN2412300616RF03



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



Band12-1.4MHz-16QAM-23095-6RB#0



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Test Report No.: PSZ-NQN2412300616RF03



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



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



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Test Report No.: PSZ-NQN2412300616RF03



Band12-3MHz-QPSK-23095-15RB#0



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

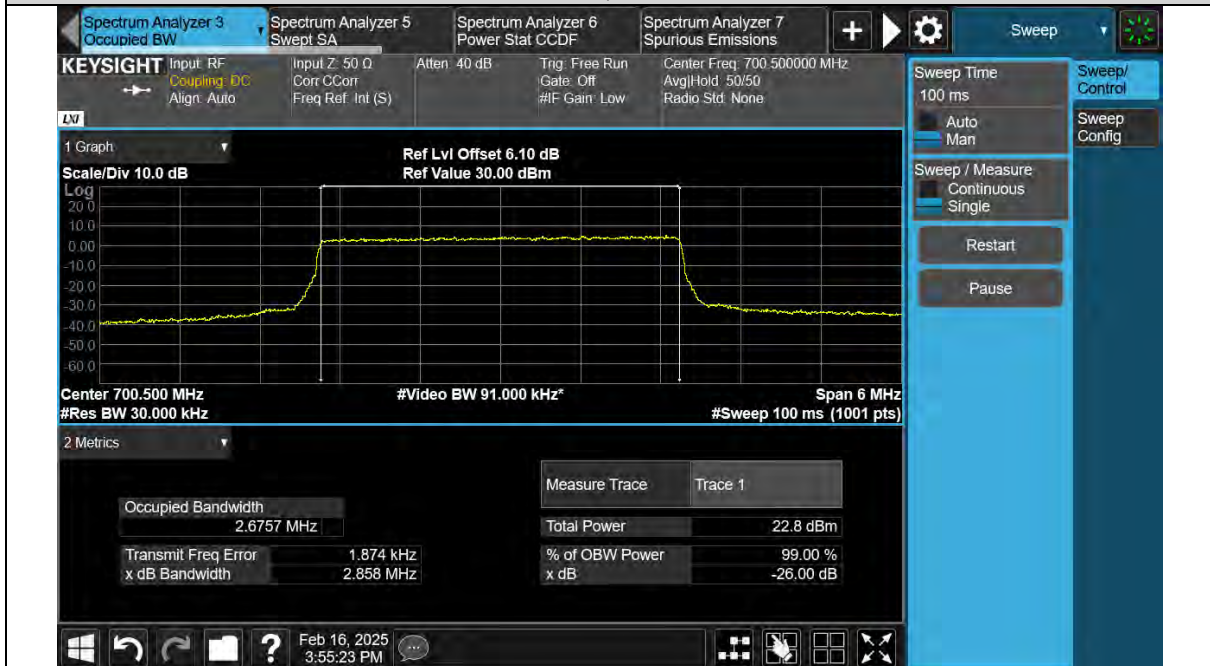


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Test Report No.: PSZ-NQN2412300616RF03



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



Band12-3MHz-16QAM-23095-15RB#0

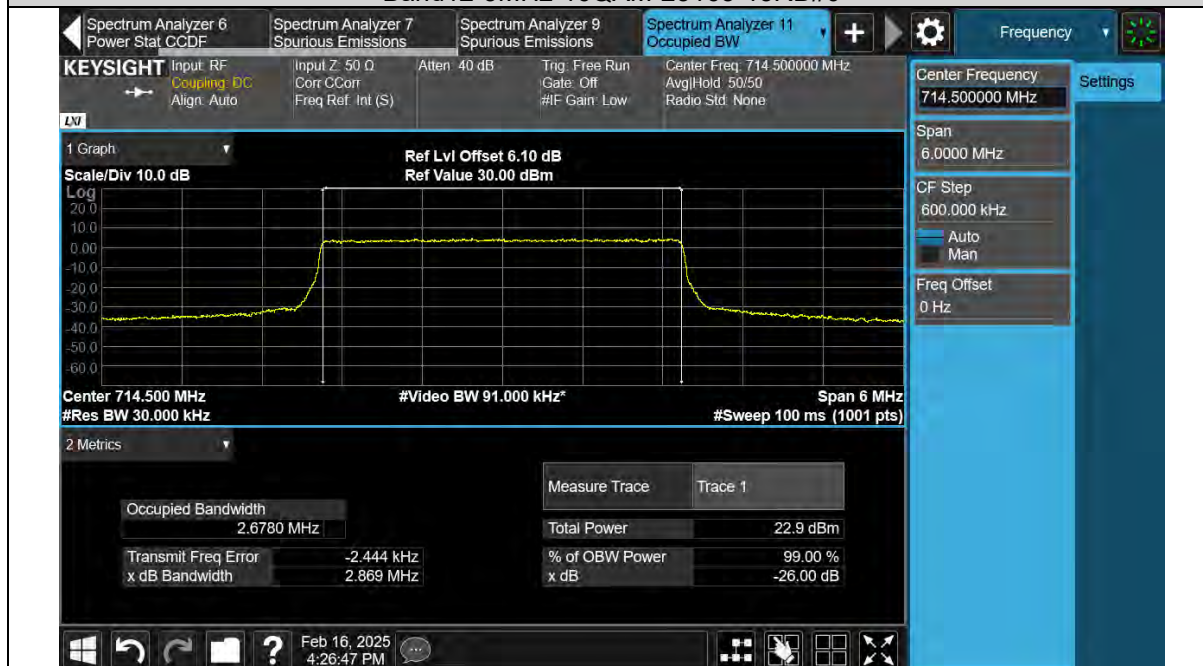


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Test Report No.: PSZ-NQN2412300616RF03



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



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



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-5MHz-QPSK-23095-25RB#0



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

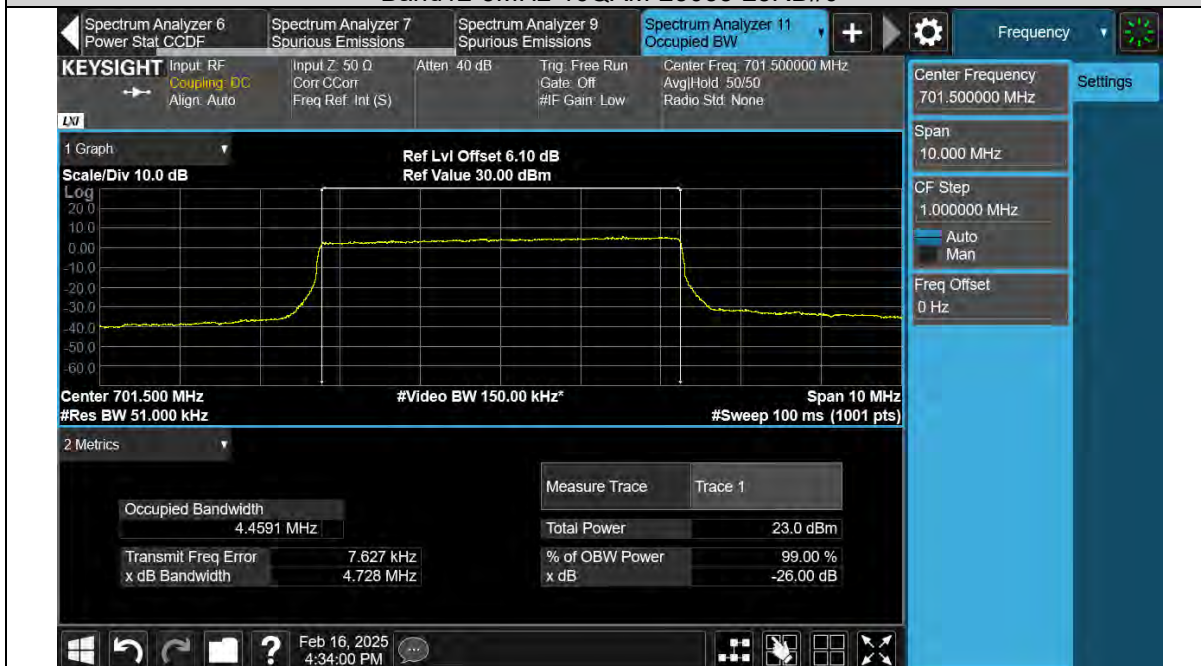


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Test Report No.: PSZ-NQN2412300616RF03



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



Band12-5MHz-16QAM-23095-25RB#0

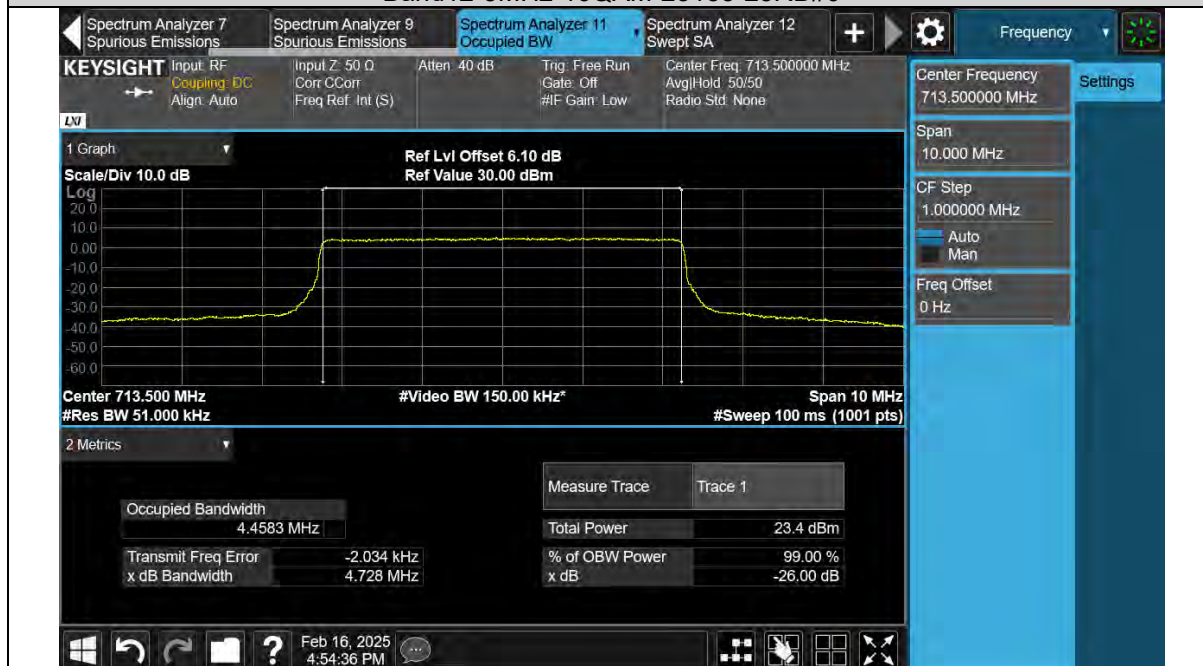


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



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



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



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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-10MHz-QPSK-23095-50RB#0



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

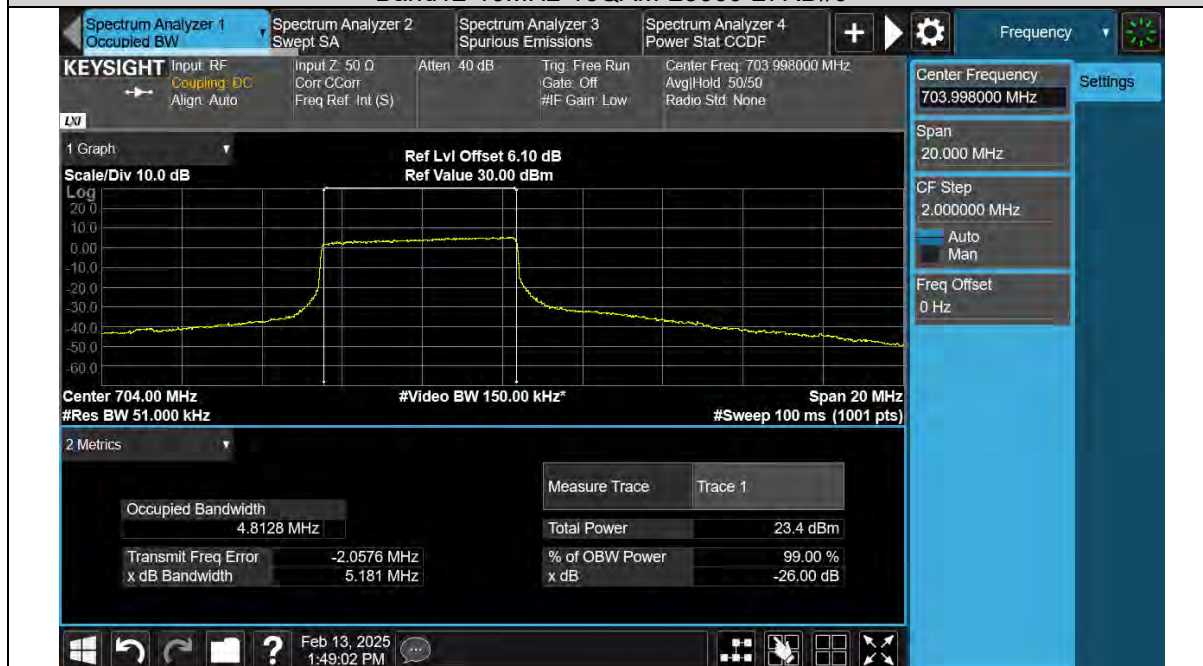


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VERITAS

Test Report No.: PSZ-NQN2412300616RF03



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

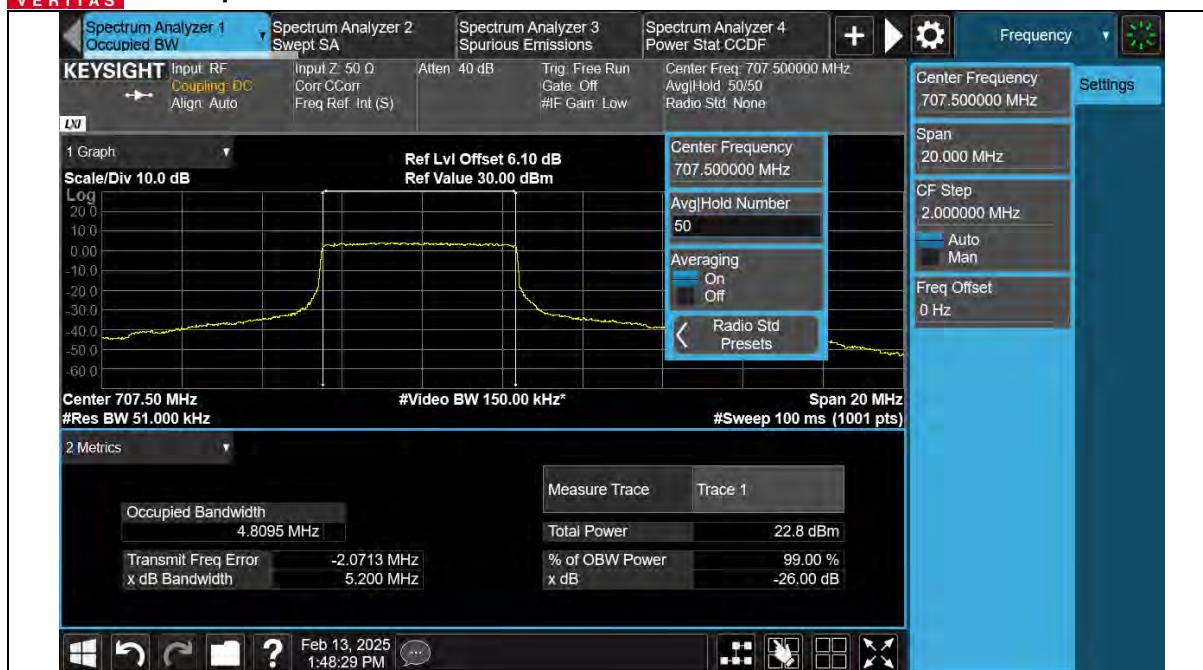


Band12-10MHz-16QAM-23095-27RB#0



BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF03



Band12-10MHz-16QAM-23130-27RB#0



BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	See Graph	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	See Graph	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	See Graph	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	See Graph	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	See Graph	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	See Graph	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	See Graph	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	See Graph	PASS
Band12	3MHz	QPSK	23025	1RB#0	See Graph	PASS
Band12	3MHz	QPSK	23025	15RB#0	See Graph	PASS
Band12	3MHz	QPSK	23165	1RB#14	See Graph	PASS
Band12	3MHz	QPSK	23165	15RB#0	See Graph	PASS
Band12	3MHz	16QAM	23025	1RB#0	See Graph	PASS
Band12	3MHz	16QAM	23025	15RB#0	See Graph	PASS
Band12	3MHz	16QAM	23165	1RB#14	See Graph	PASS
Band12	3MHz	16QAM	23165	15RB#0	See Graph	PASS
Band12	5MHz	QPSK	23035	1RB#0	See Graph	PASS
Band12	5MHz	QPSK	23035	25RB#0	See Graph	PASS
Band12	5MHz	QPSK	23155	1RB#24	See Graph	PASS
Band12	5MHz	QPSK	23155	25RB#0	See Graph	PASS
Band12	5MHz	16QAM	23035	1RB#0	See Graph	PASS
Band12	5MHz	16QAM	23035	25RB#0	See Graph	PASS
Band12	5MHz	16QAM	23155	1RB#24	See Graph	PASS
Band12	5MHz	16QAM	23155	25RB#0	See Graph	PASS
Band12	10MHz	QPSK	23060	1RB#0	See Graph	PASS
Band12	10MHz	QPSK	23060	50RB#0	See Graph	PASS
Band12	10MHz	QPSK	23130	1RB#49	See Graph	PASS
Band12	10MHz	QPSK	23130	50RB#0	See Graph	PASS
Band12	10MHz	16QAM	23060	1RB#0	See Graph	PASS
Band12	10MHz	16QAM	23060	27RB#0	See Graph	PASS
Band12	10MHz	16QAM	23130	1RB#49	See Graph	PASS
Band12	10MHz	16QAM	23130	27RB#23	See Graph	PASS



Test Graphs

