



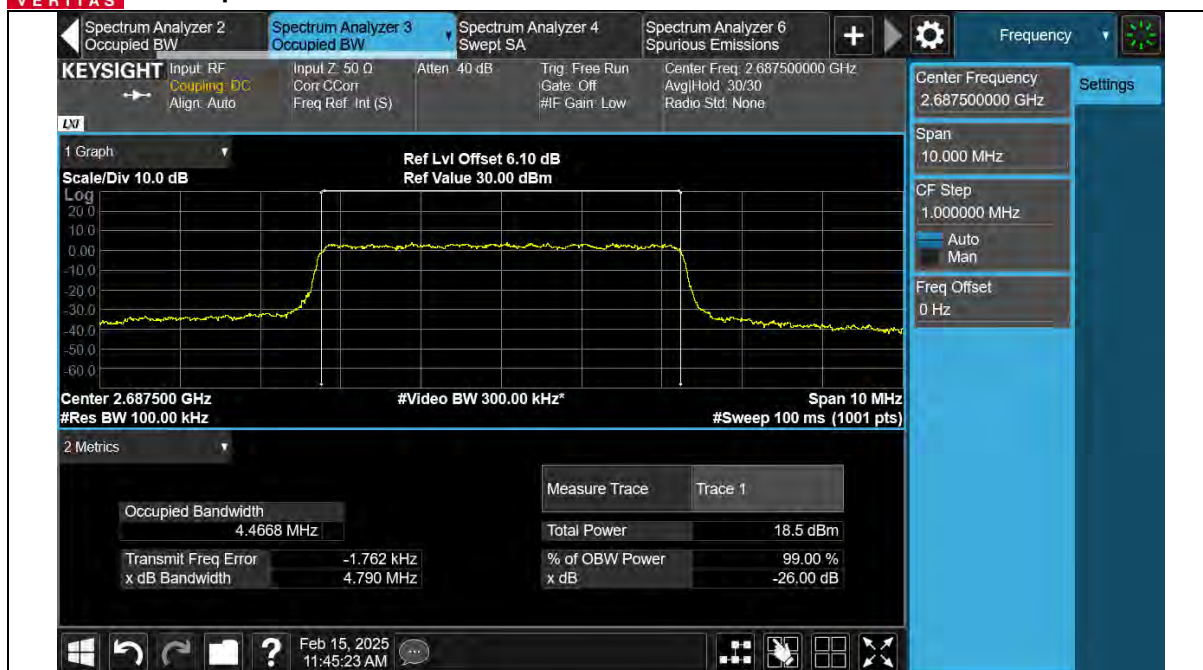
Test Graphs



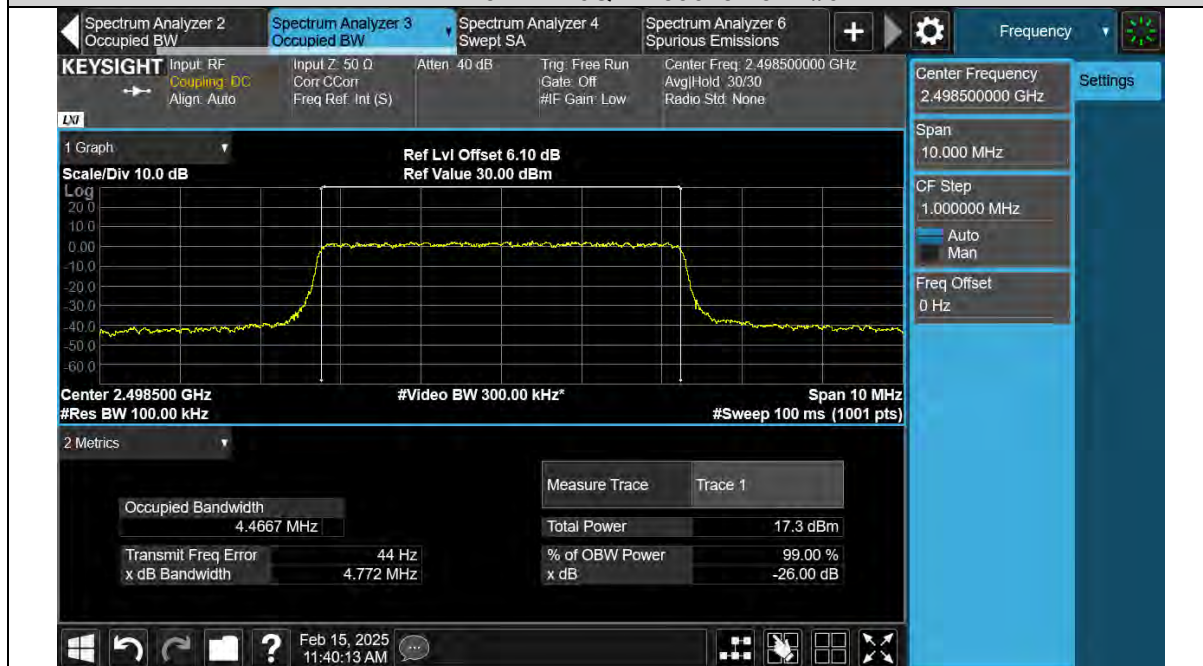


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-5MHz-16QAM-39675-25RB#0

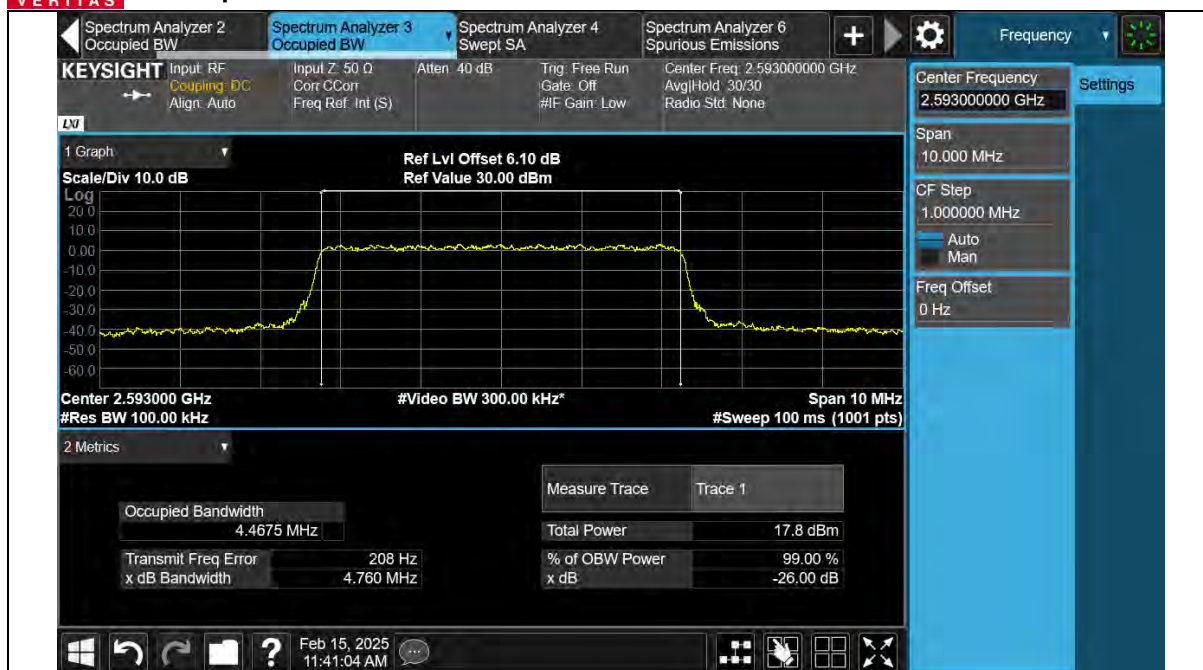


Band41-5MHz-16QAM-40620-25RB#0

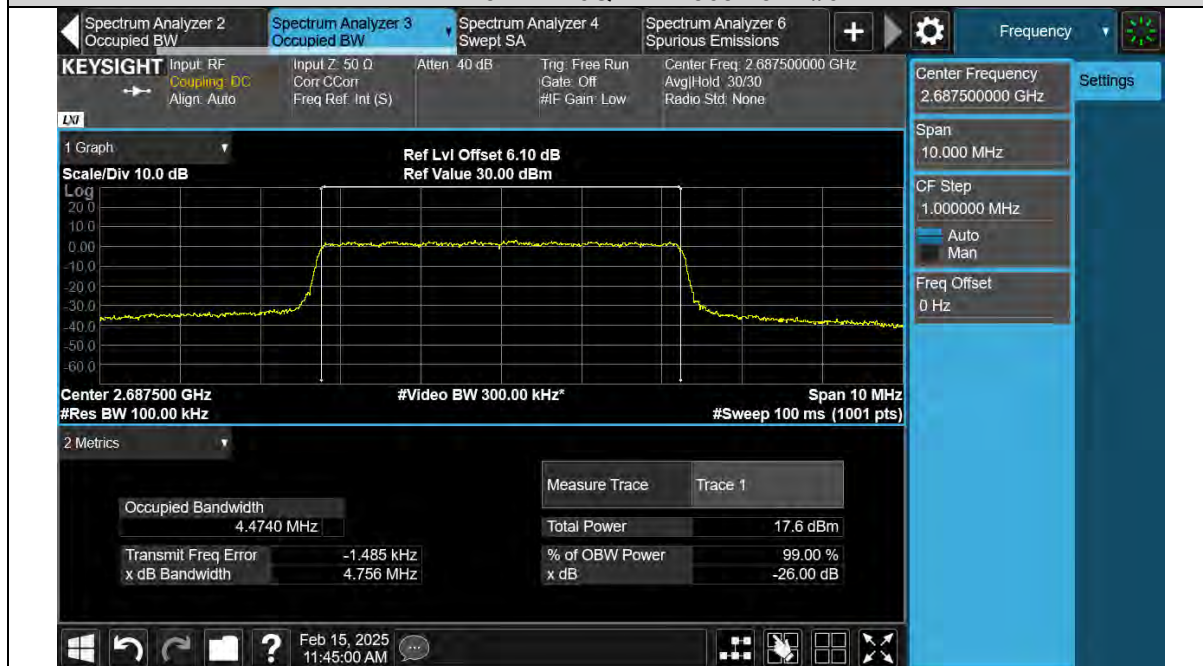


BUREAU
VERITAS

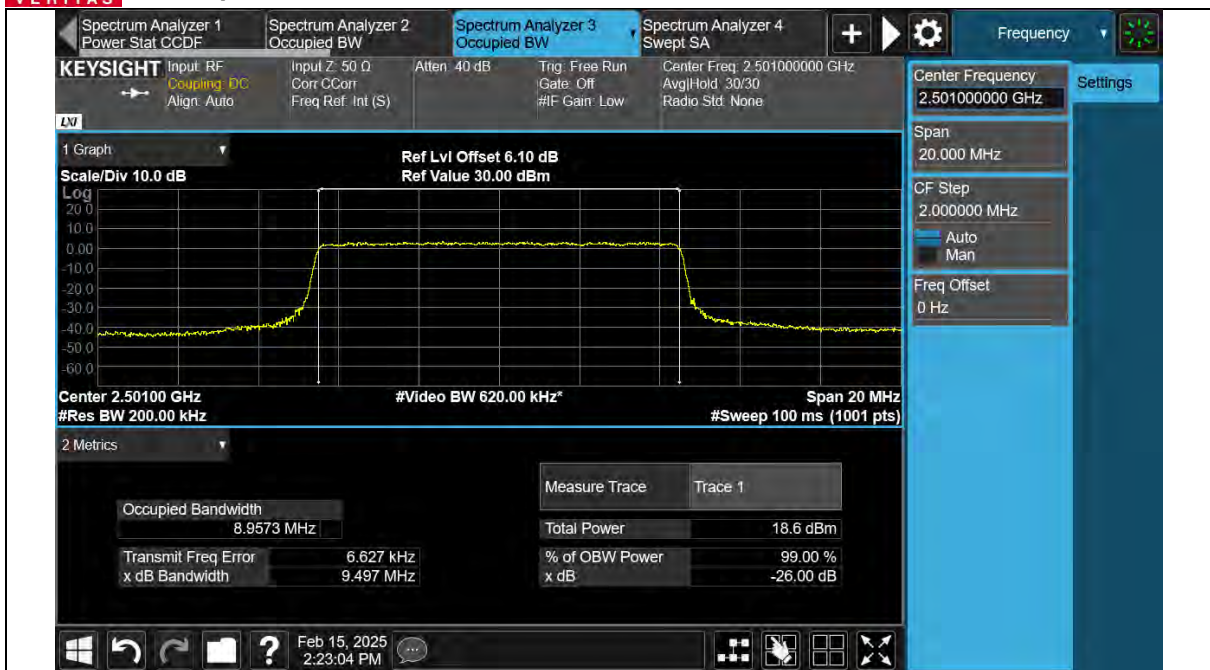
Test Report No.: PSZ-NQN2412300616RF04



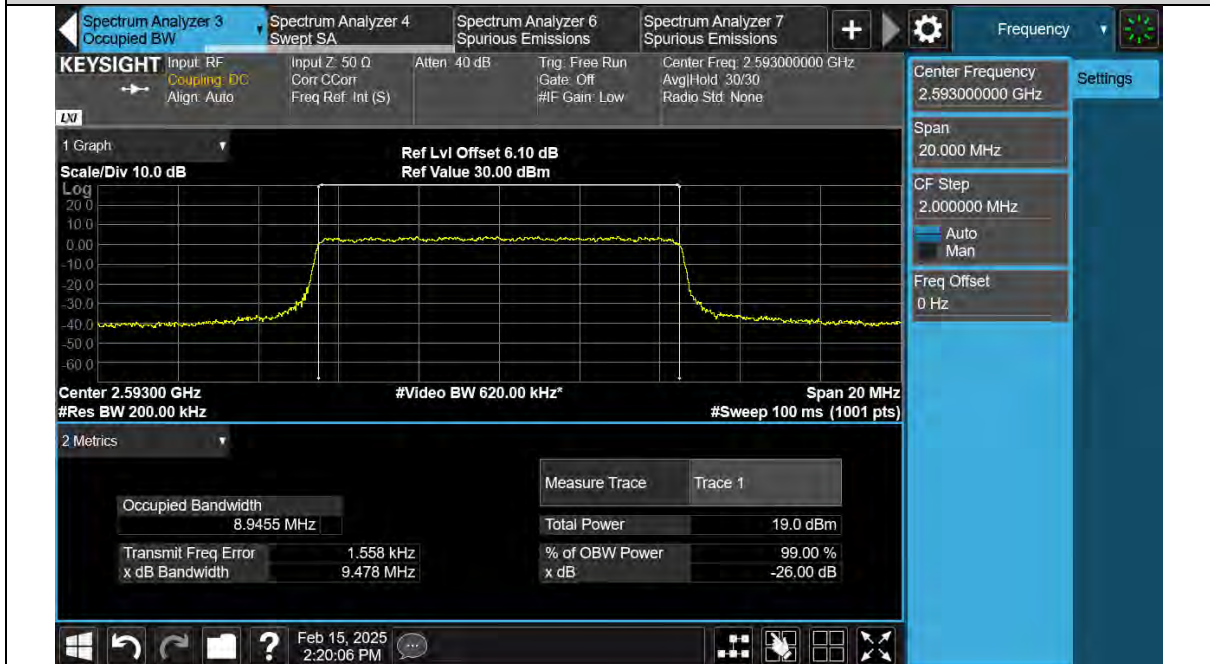
Band41-5MHz-16QAM-41565-25RB#0



Band41-10MHz-QPSK-39700-50RB#0



Band41-10MHz-QPSK-40620-50RB#0



Band41-10MHz-QPSK-41540-50RB#0

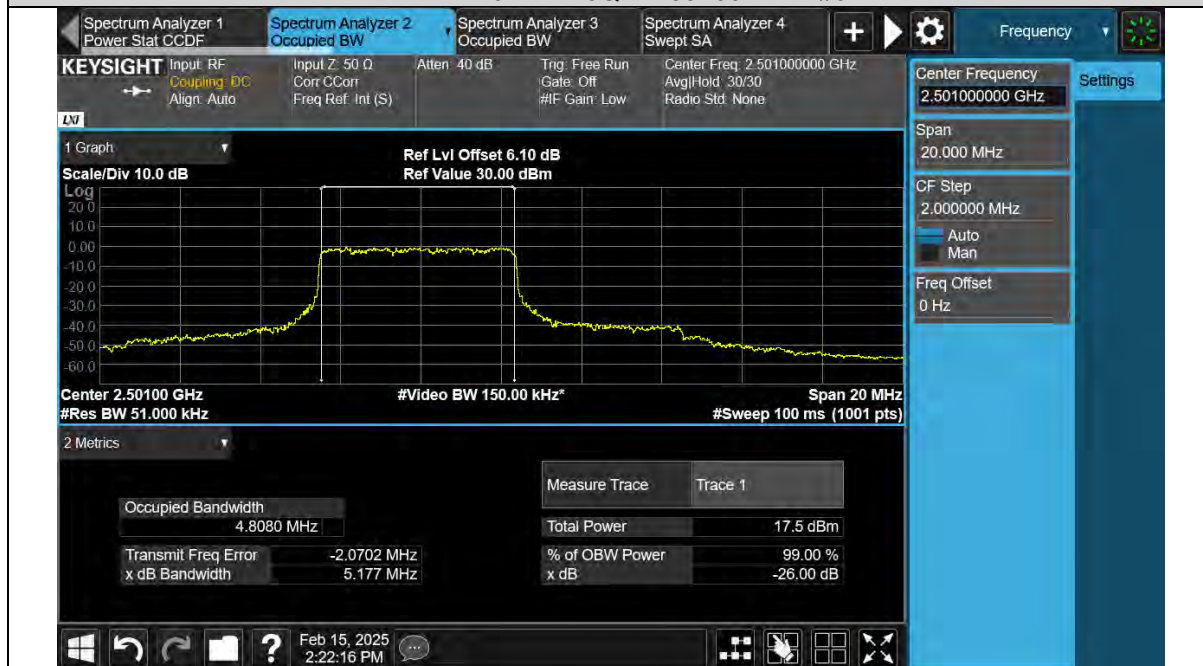


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-10MHz-16QAM-39700-27RB#0



Band41-10MHz-16QAM-40620-27RB#0

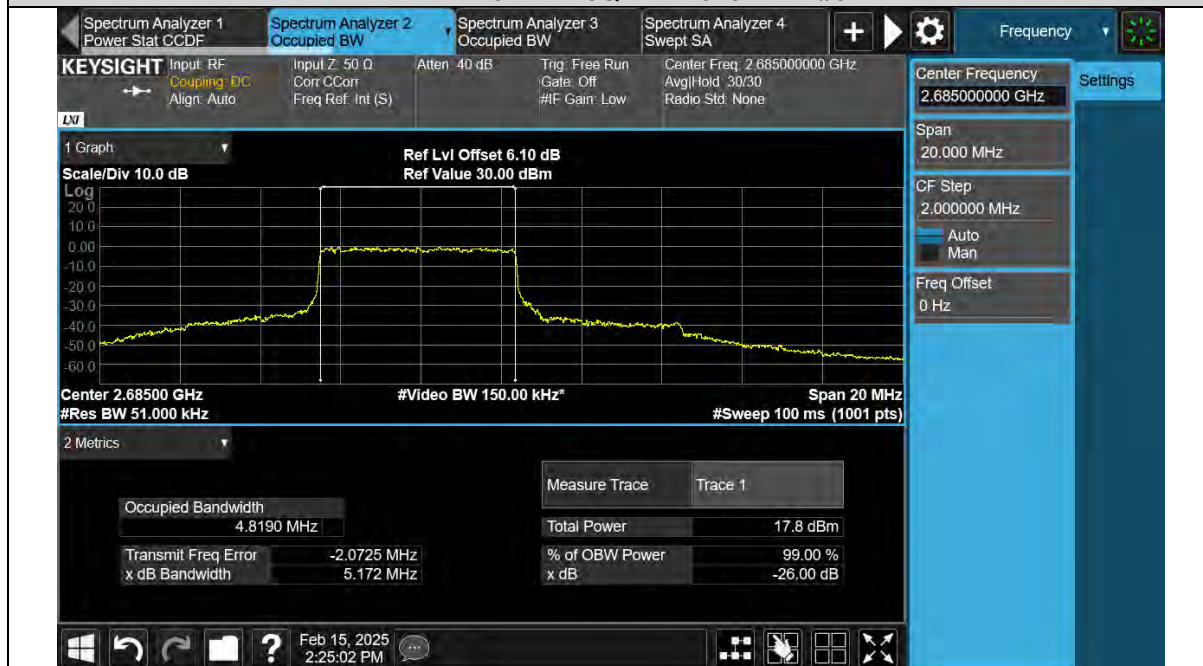


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-10MHz-16QAM-41540-27RB#0

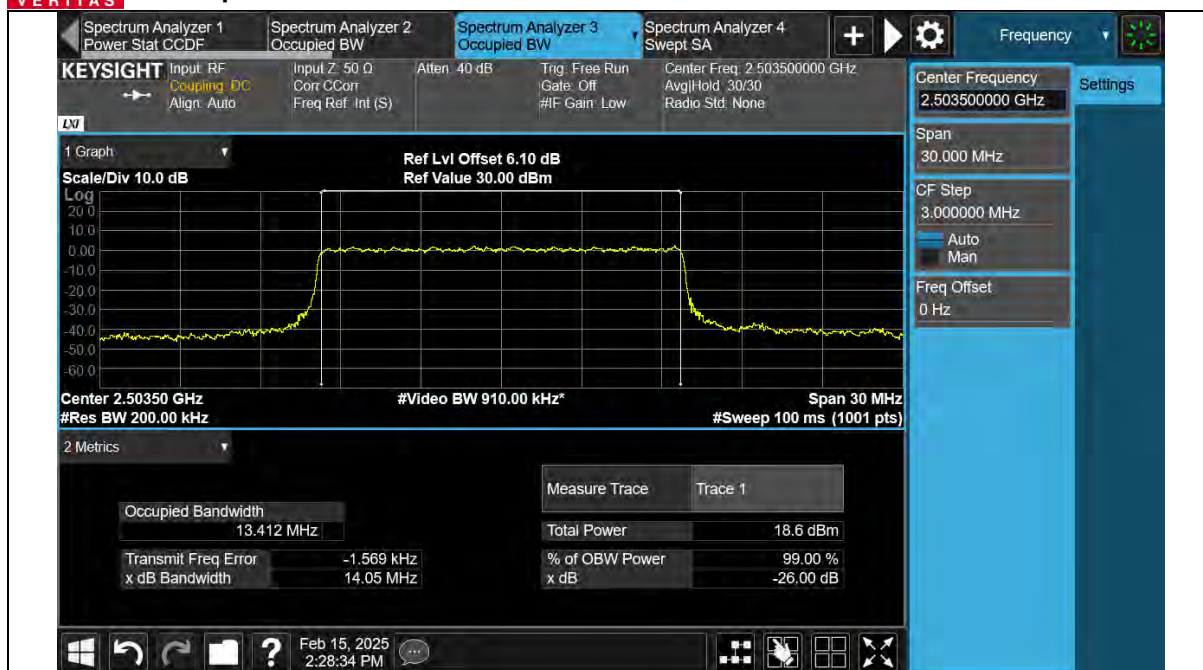


Band41-15MHz-QPSK-39725-75RB#0

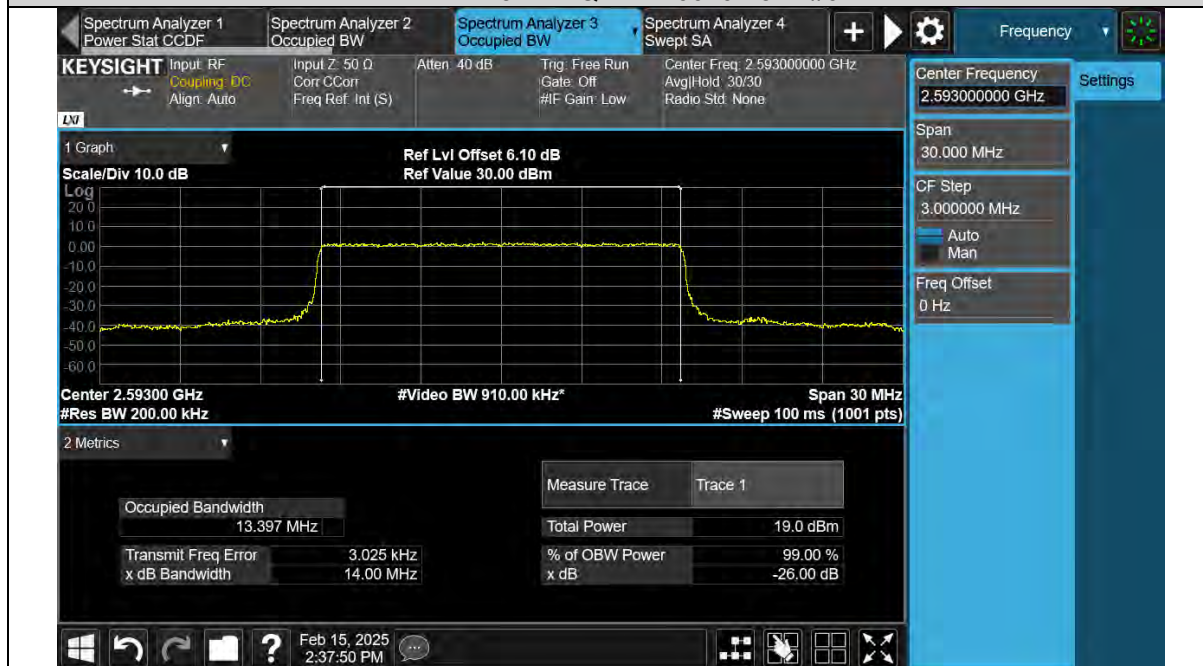


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-15MHz-QPSK-40620-75RB#0

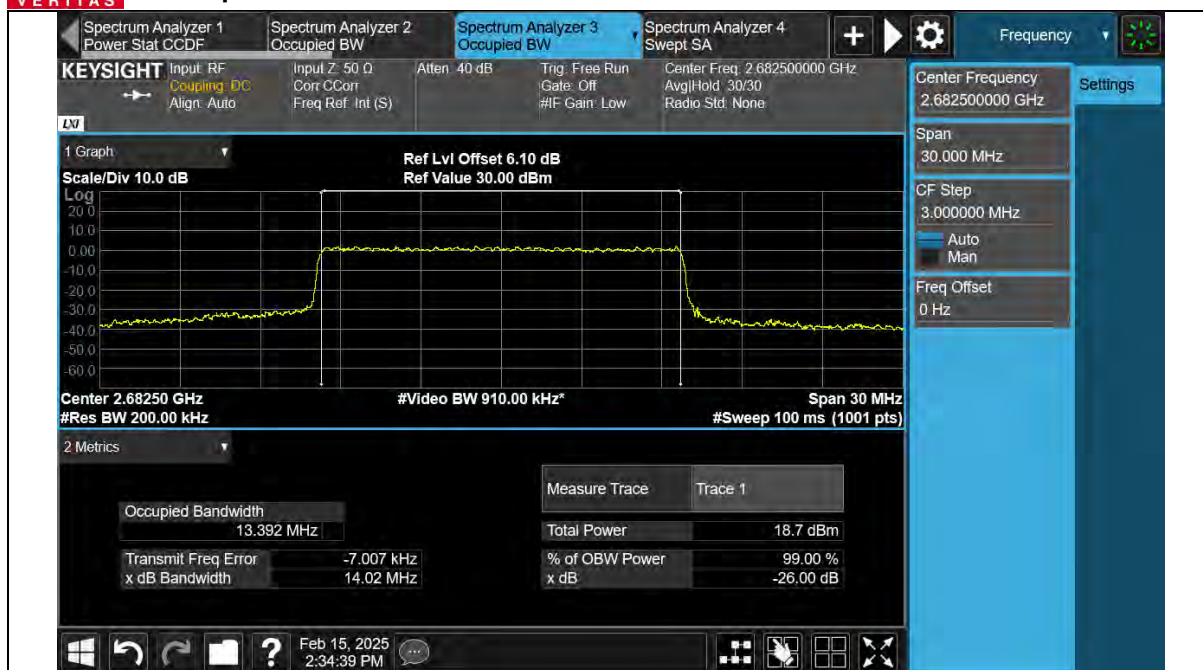


Band41-15MHz-QPSK-41515-75RB#0

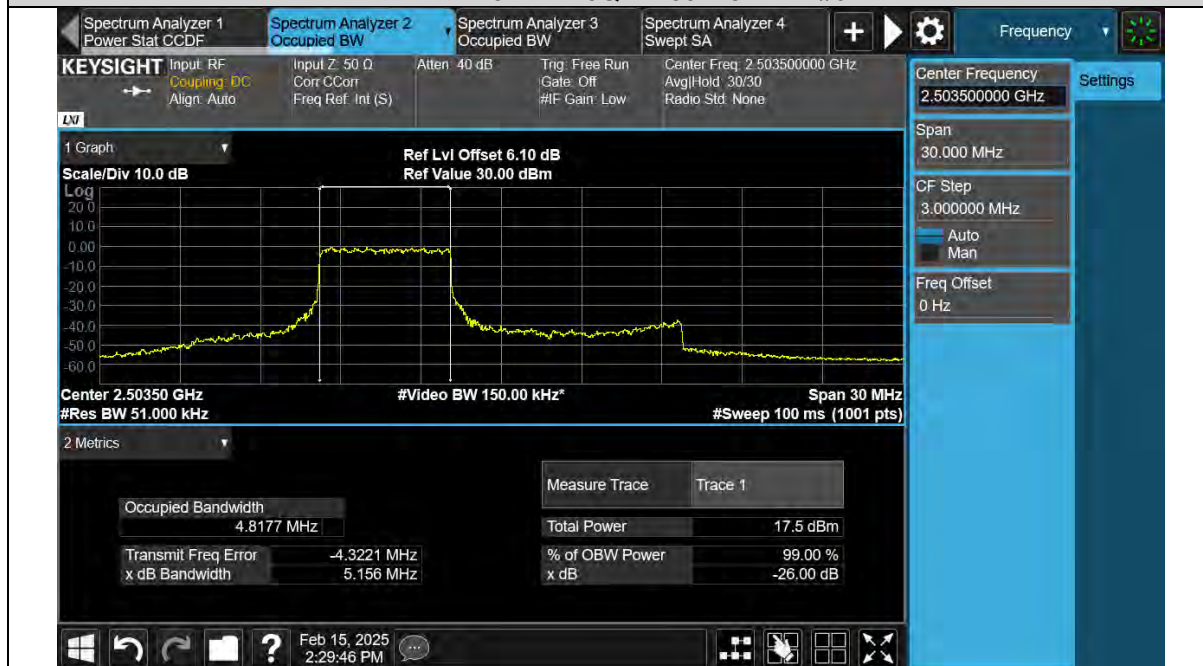


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-15MHz-16QAM-39725-27RB#0



Band41-15MHz-16QAM-40620-27RB#0

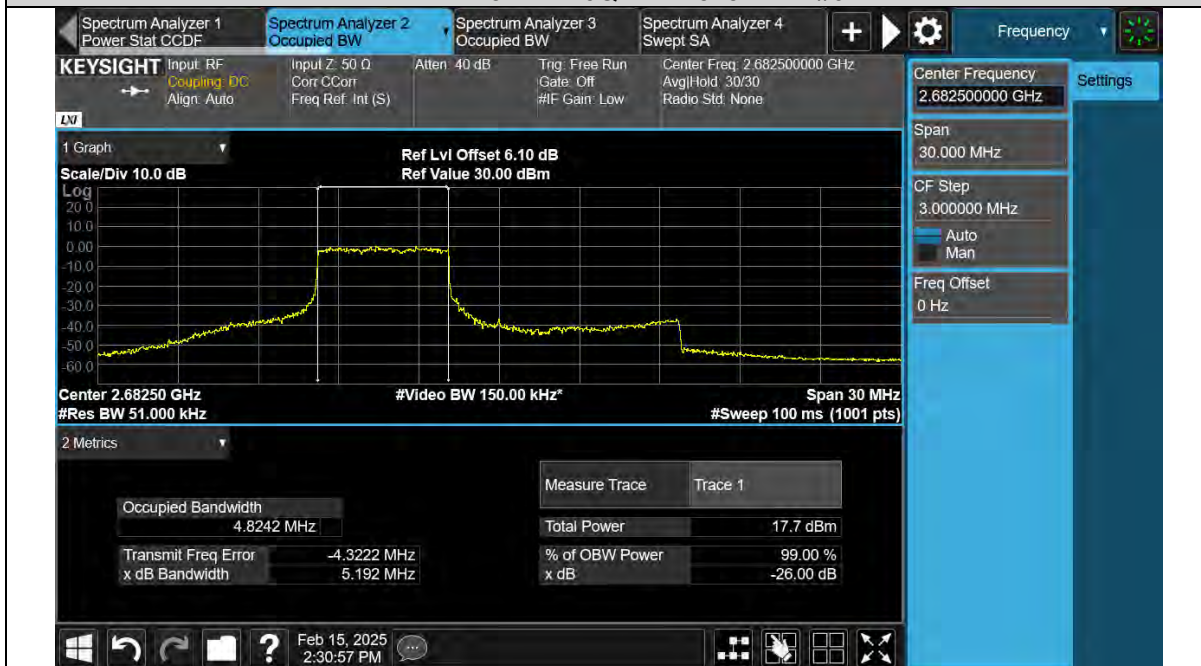


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-15MHz-16QAM-41515-27RB#0

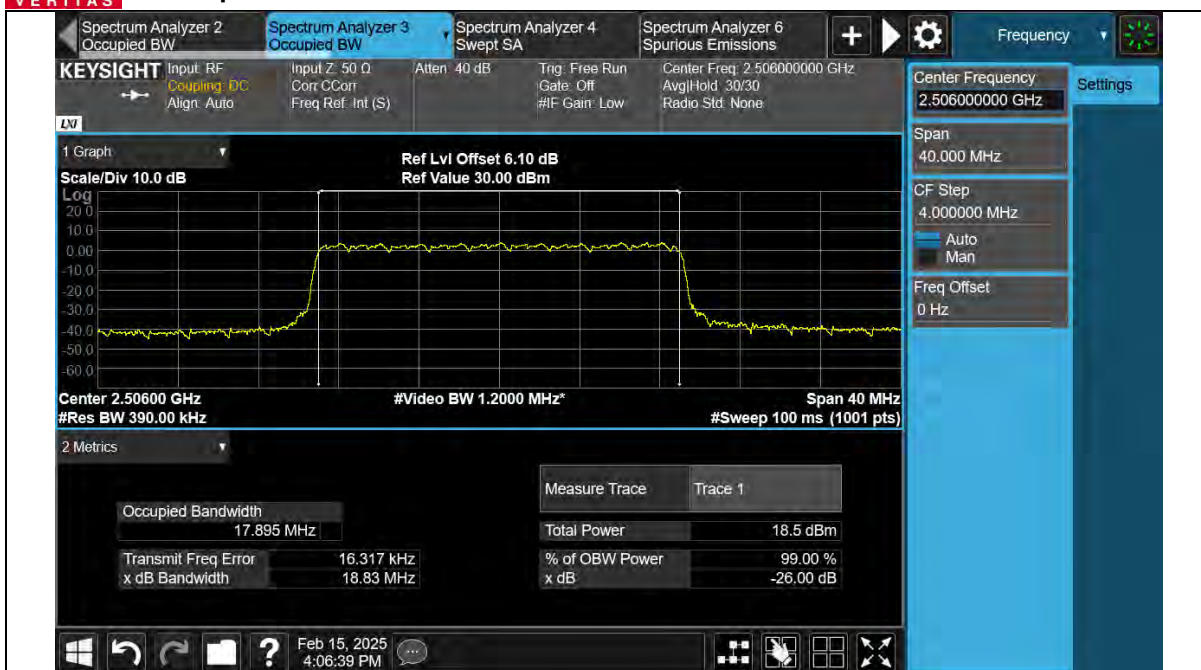


Band41-20MHz-QPSK-39750-100RB#0

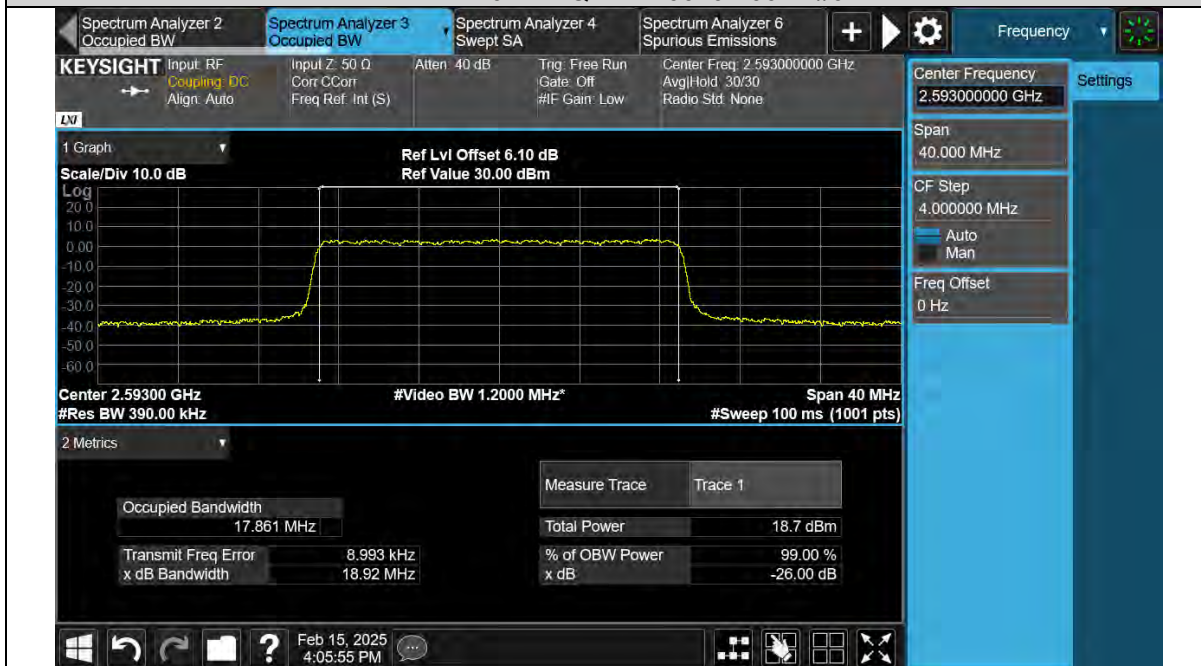


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-20MHz-QPSK-40620-100RB#0

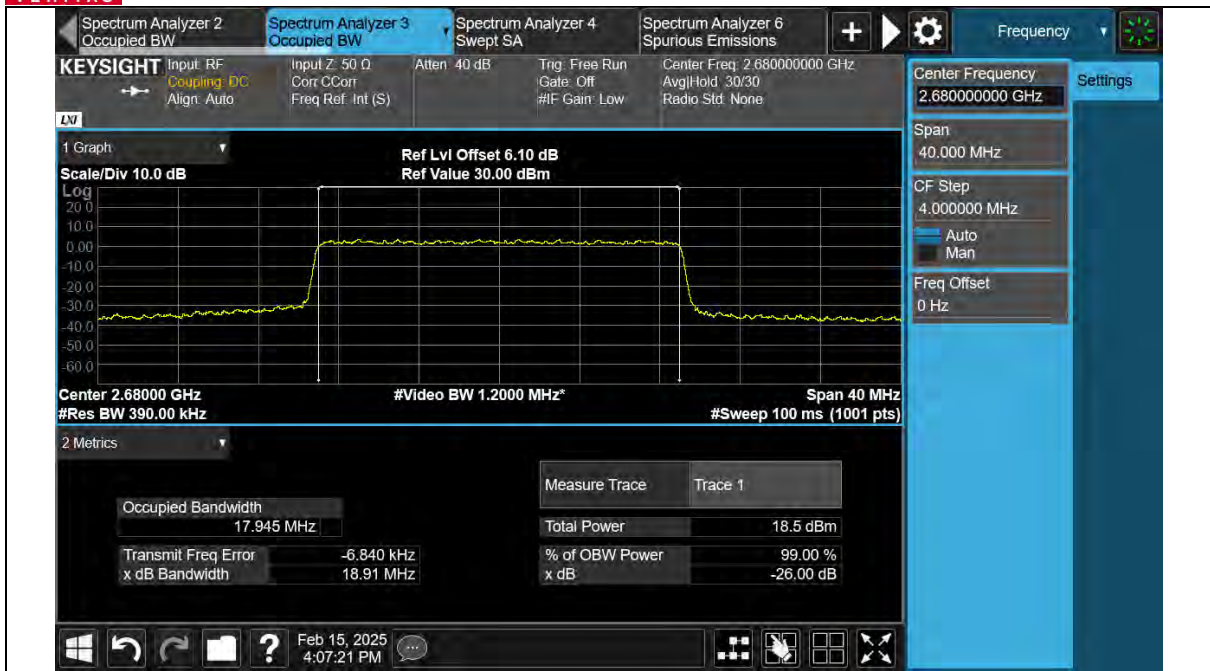


Band41-20MHz-QPSK-41490-100RB#0

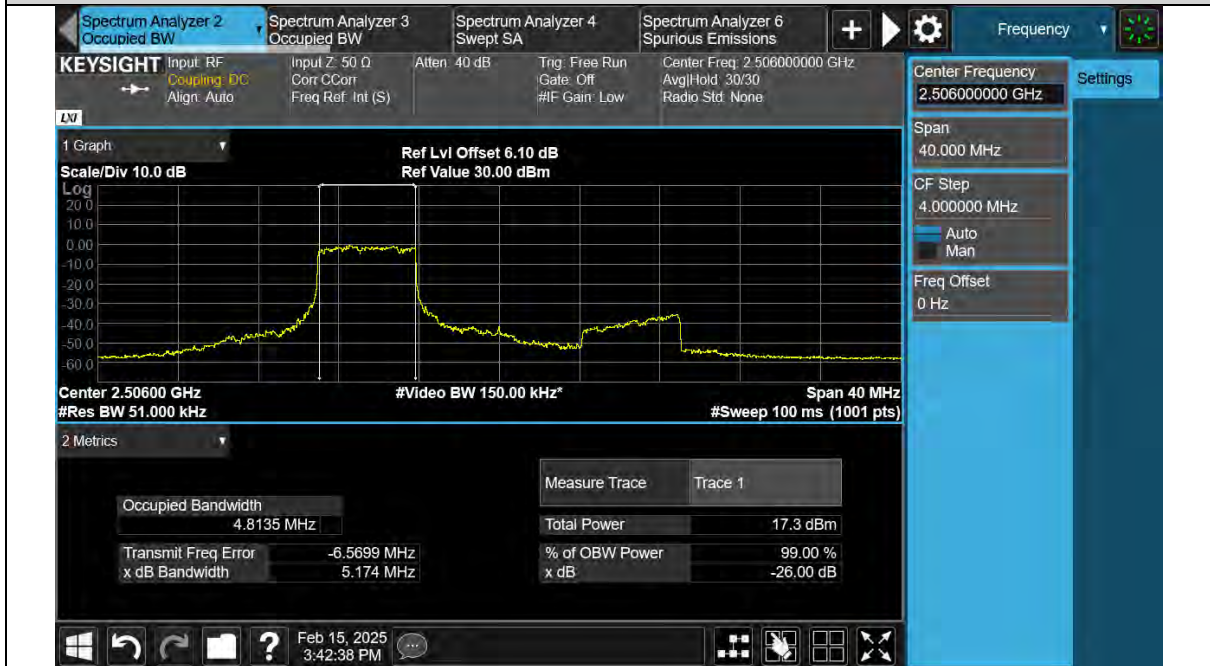


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-20MHz-16QAM-39750-27RB#0



Band41-20MHz-16QAM-40620-27RB#0

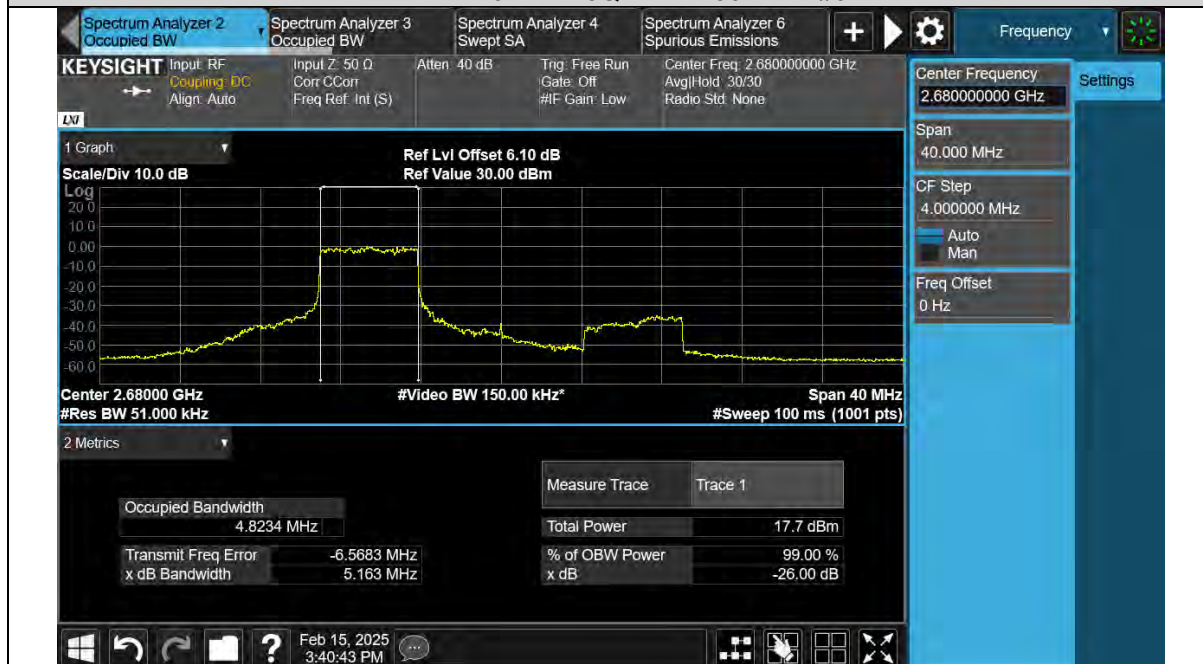


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-20MHz-16QAM-41490-27RB#0



BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	See Graph	PASS
Band41	5MHz	QPSK	39675	25RB#0	See Graph	PASS
Band41	5MHz	QPSK	41565	1RB#24	See Graph	PASS
Band41	5MHz	QPSK	41565	25RB#0	See Graph	PASS
Band41	5MHz	16QAM	39675	1RB#0	See Graph	PASS
Band41	5MHz	16QAM	39675	25RB#0	See Graph	PASS
Band41	5MHz	16QAM	41565	1RB#24	See Graph	PASS
Band41	5MHz	16QAM	41565	25RB#0	See Graph	PASS
Band41	10MHz	QPSK	39700	1RB#0	See Graph	PASS
Band41	10MHz	QPSK	39700	50RB#0	See Graph	PASS
Band41	10MHz	QPSK	41540	1RB#49	See Graph	PASS
Band41	10MHz	QPSK	41540	50RB#0	See Graph	PASS
Band41	10MHz	16QAM	39700	1RB#0	See Graph	PASS
Band41	10MHz	16QAM	39700	27RB#0	See Graph	PASS
Band41	10MHz	16QAM	41540	1RB#49	See Graph	PASS
Band41	10MHz	16QAM	41540	27RB#23	See Graph	PASS
Band41	15MHz	QPSK	39725	1RB#0	See Graph	PASS
Band41	15MHz	QPSK	39725	75RB#0	See Graph	PASS
Band41	15MHz	QPSK	41515	1RB#74	See Graph	PASS
Band41	15MHz	QPSK	41515	75RB#0	See Graph	PASS
Band41	15MHz	16QAM	39725	1RB#0	See Graph	PASS
Band41	15MHz	16QAM	39725	27RB#0	See Graph	PASS
Band41	15MHz	16QAM	41515	1RB#74	See Graph	PASS
Band41	15MHz	16QAM	41515	27RB#48	See Graph	PASS
Band41	20MHz	QPSK	39750	1RB#0	See Graph	PASS
Band41	20MHz	QPSK	39750	100RB#0	See Graph	PASS
Band41	20MHz	QPSK	41490	1RB#99	See Graph	PASS
Band41	20MHz	QPSK	41490	100RB#0	See Graph	PASS
Band41	20MHz	16QAM	39750	1RB#0	See Graph	PASS
Band41	20MHz	16QAM	39750	27RB#0	See Graph	PASS
Band41	20MHz	16QAM	41490	1RB#99	See Graph	PASS
Band41	20MHz	16QAM	41490	27RB#73	See Graph	PASS



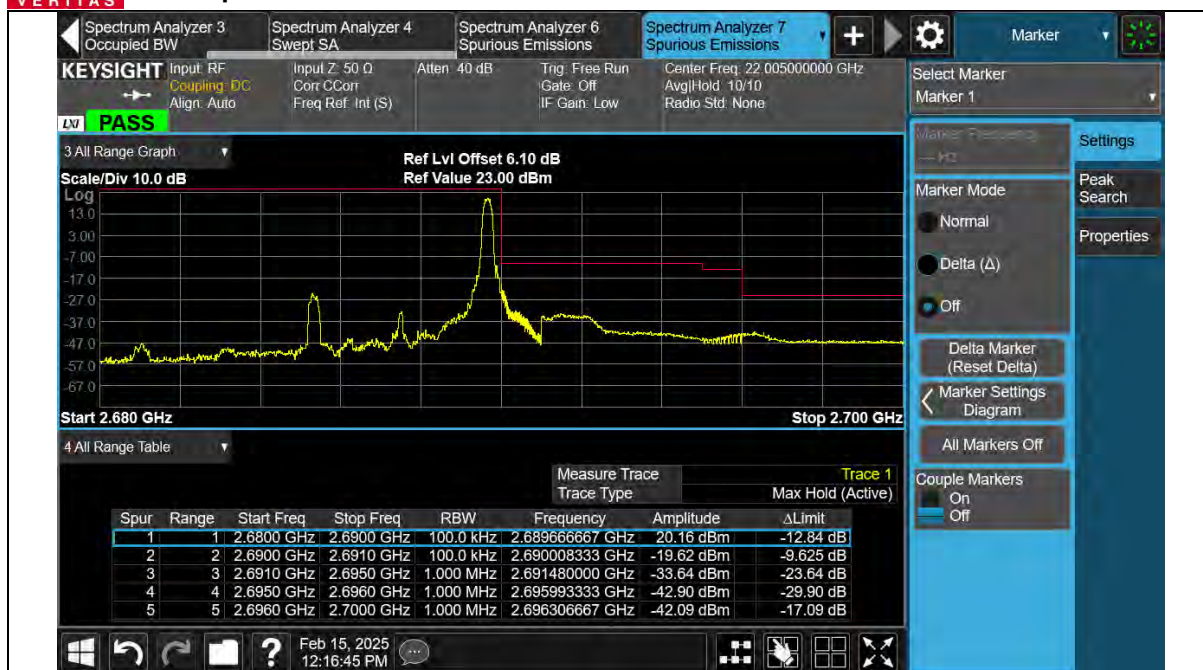
Test Graphs



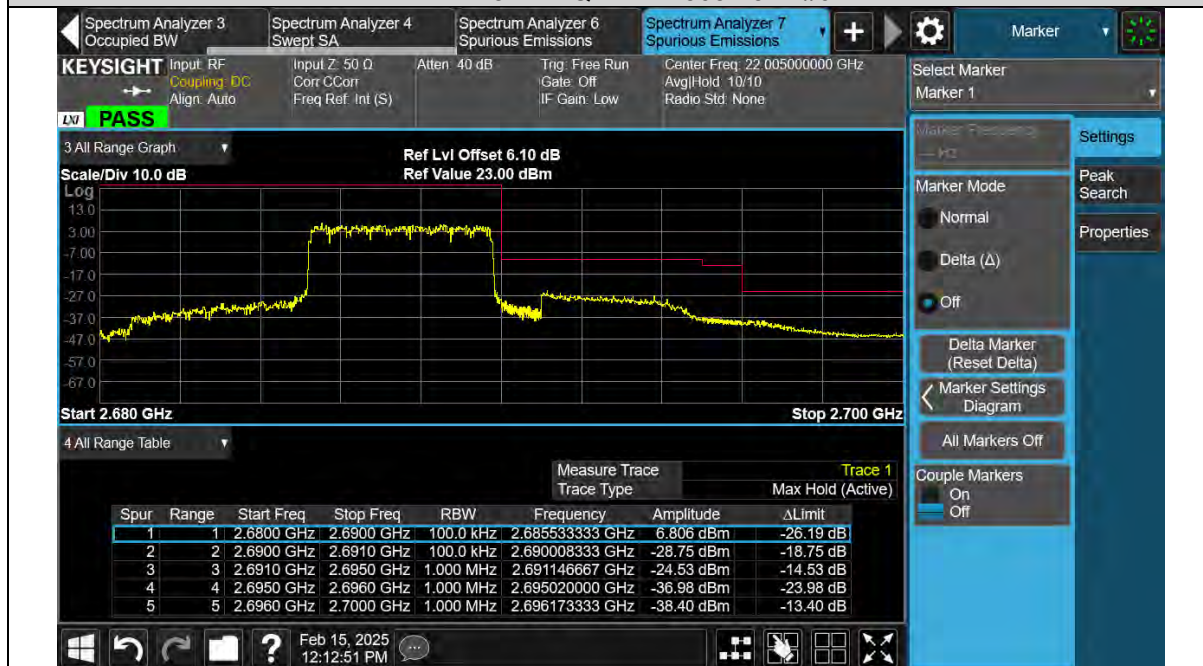


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-5MHz-QPSK-41565-25RB#0

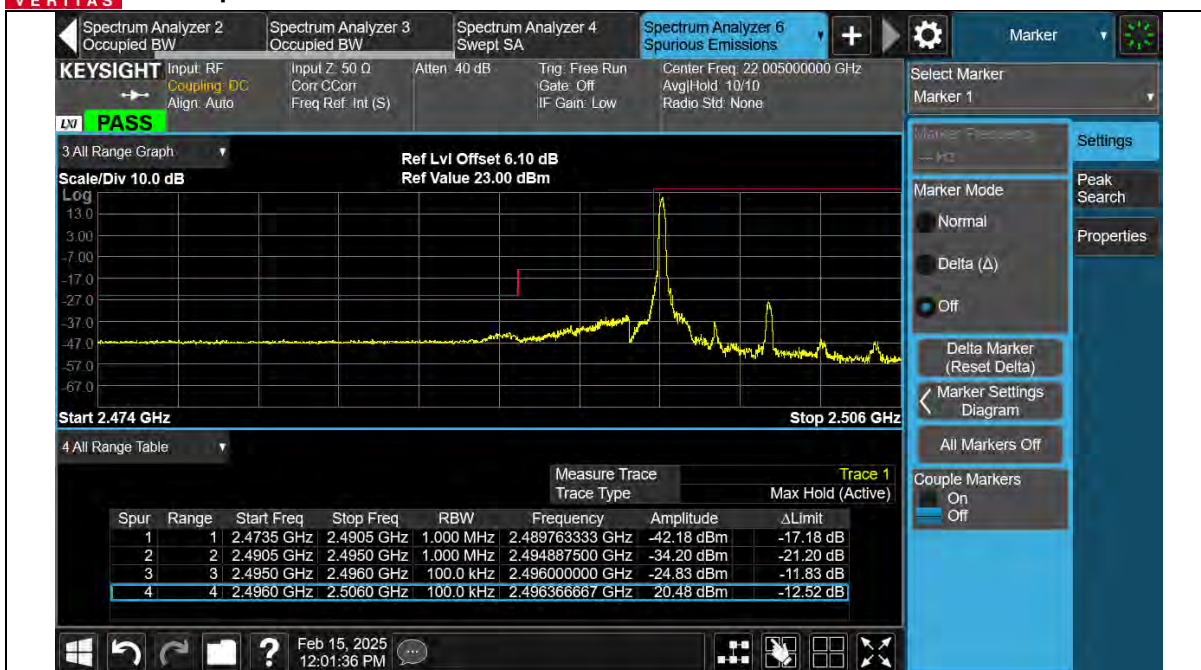


Band41-5MHz-16QAM-39675-1RB#0

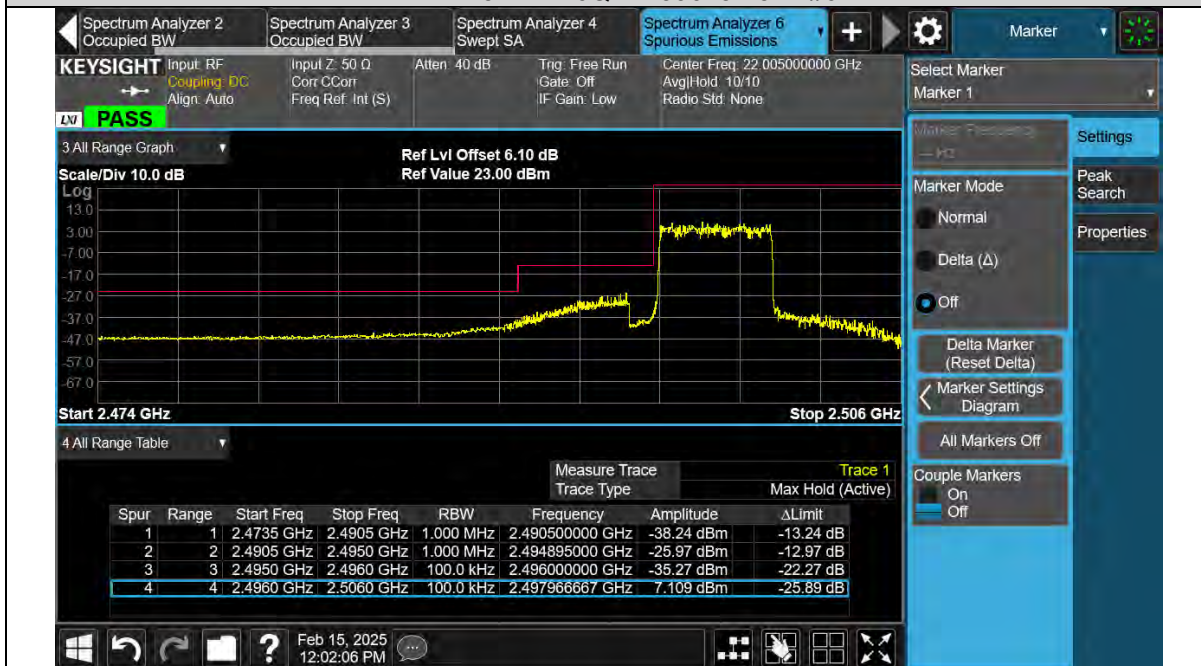


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



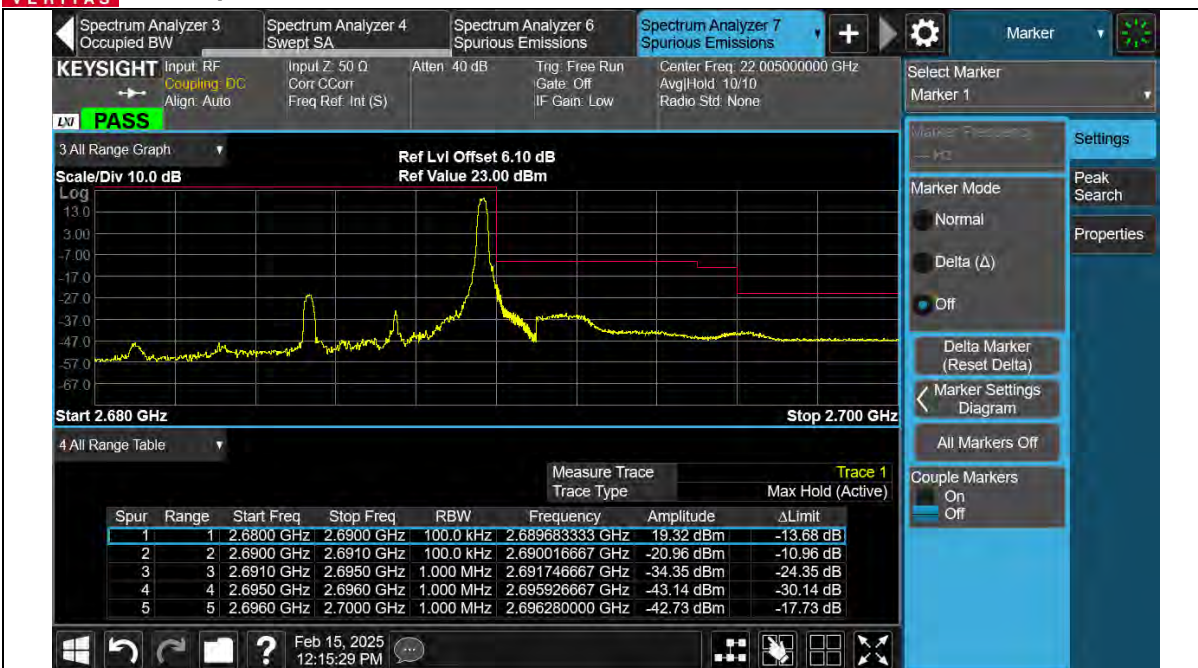
Band41-5MHz-16QAM-39675-25RB#0



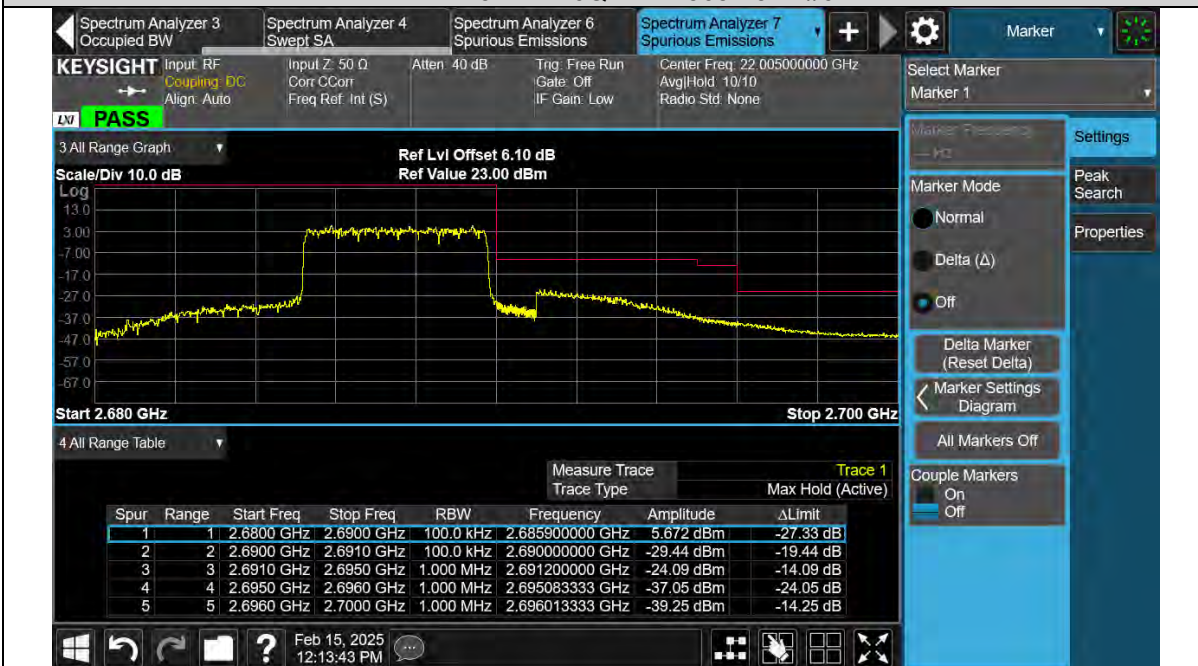
Band41-5MHz-16QAM-41565-1RB#24



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF04



Band41-5MHz-16QAM-41565-25RB#0

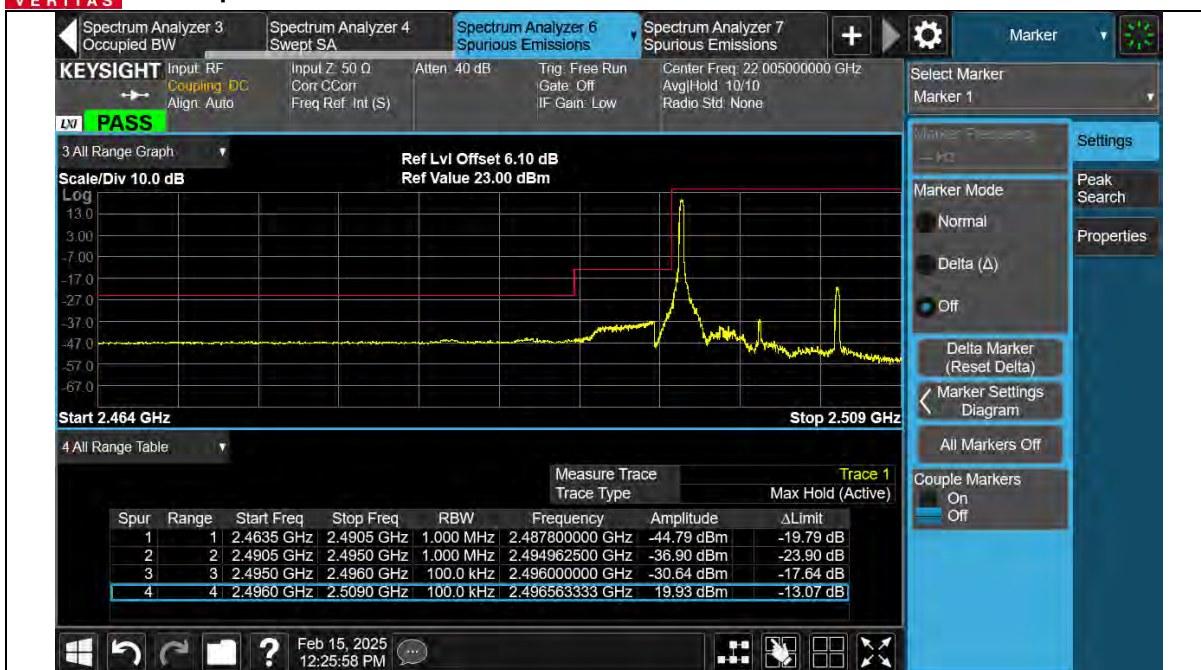


Band41-10MHz-QPSK-39700-1RB#0

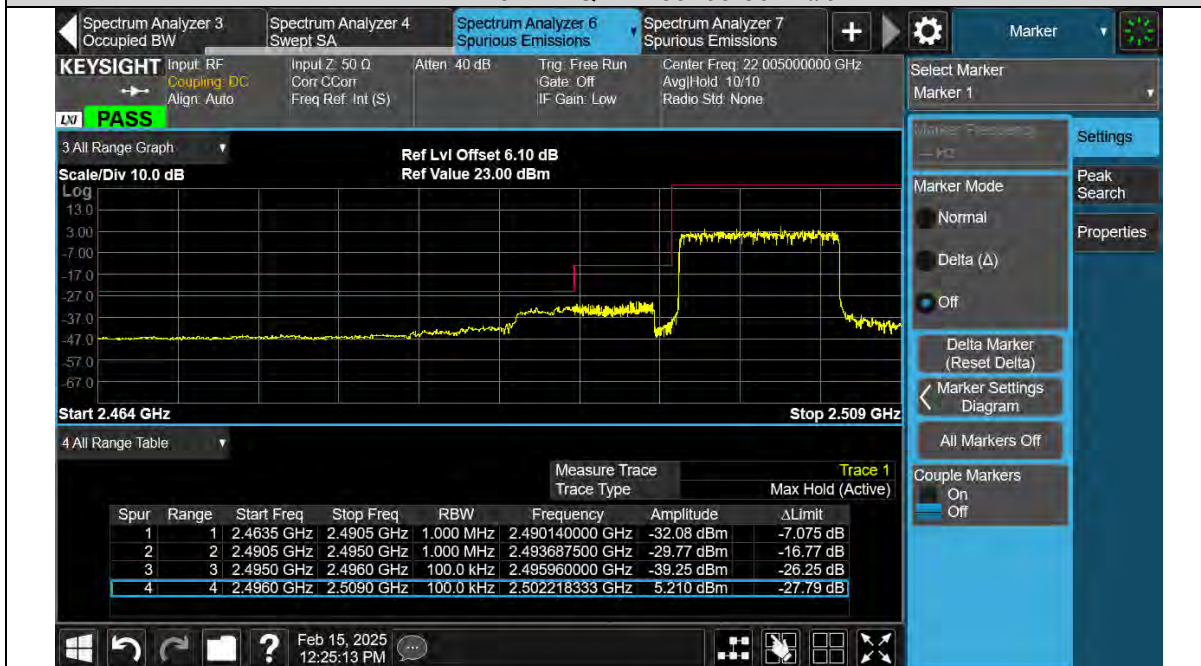


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-10MHz-QPSK-39700-50RB#0



Band41-10MHz-QPSK-41540-1RB#49

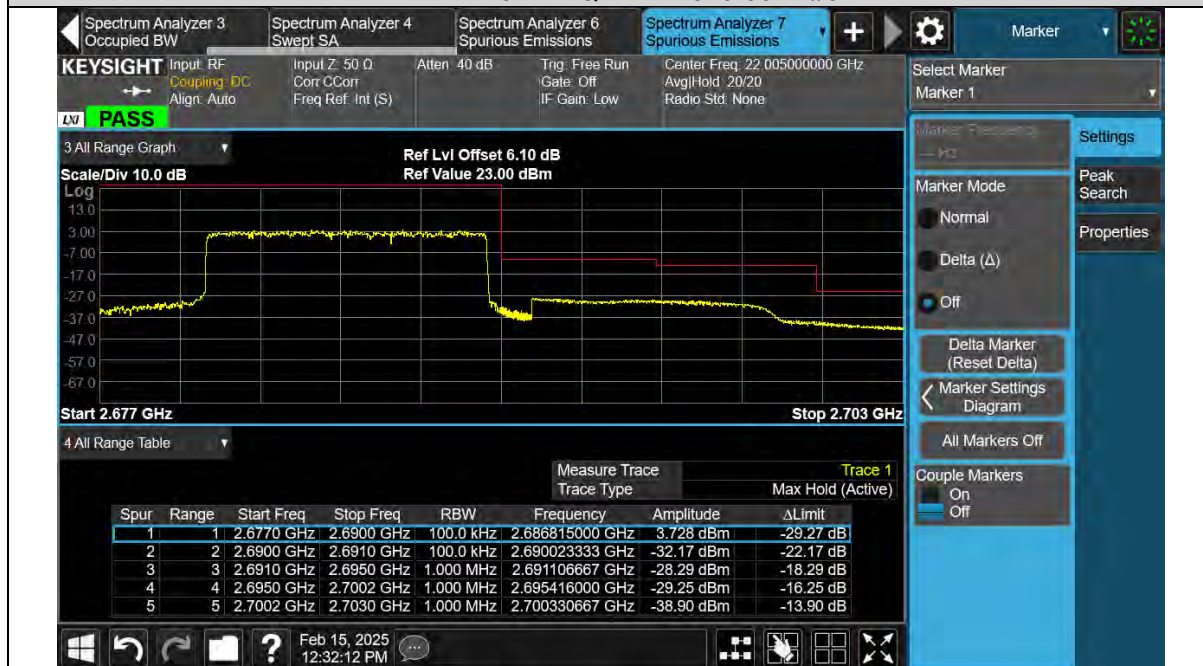


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-10MHz-QPSK-41540-50RB#0

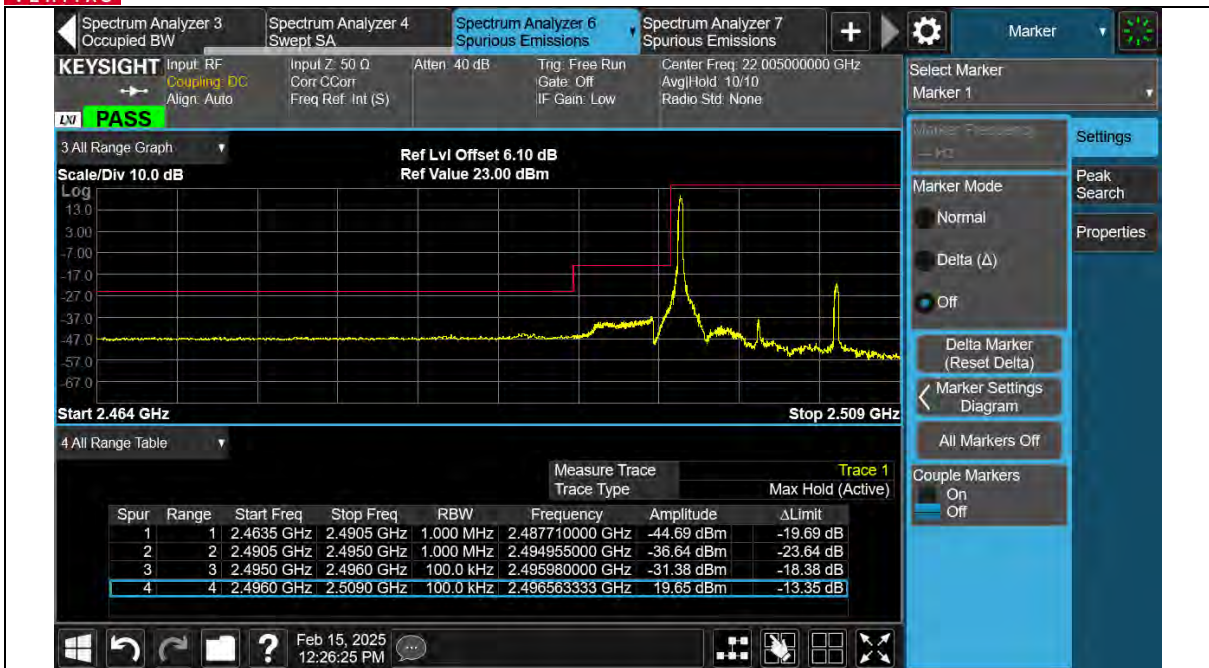


Band41-10MHz-16QAM-39700-1RB#0



BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-10MHz-16QAM-39700-27RB#0

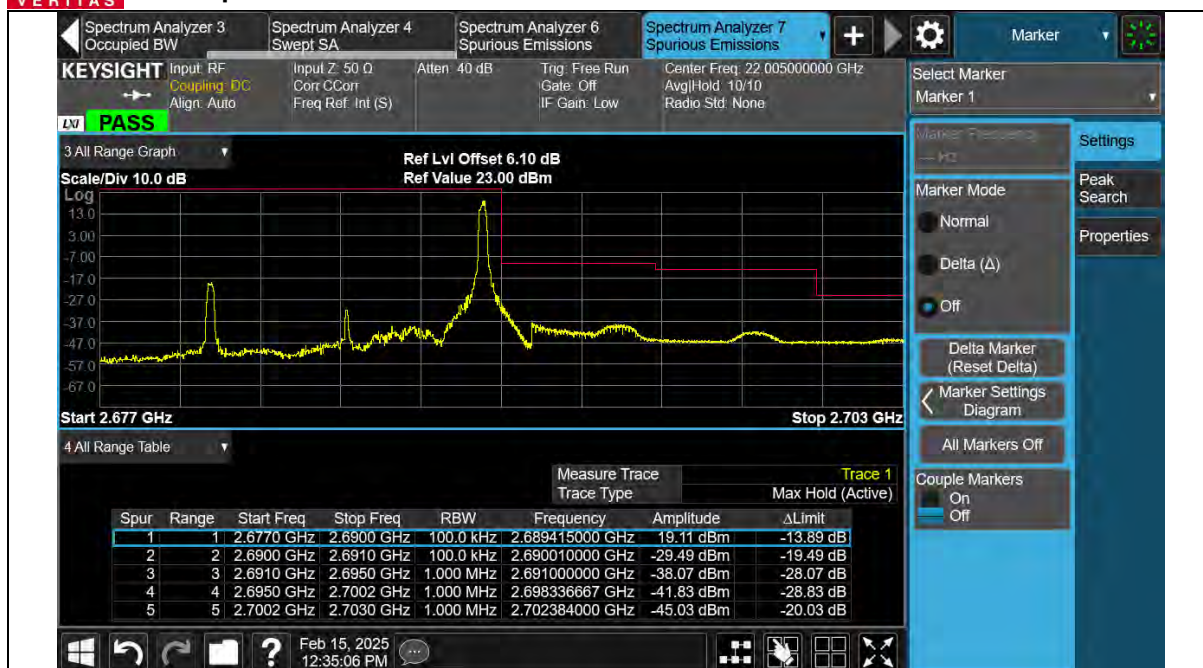


Band41-10MHz-16QAM-41540-1RB#49

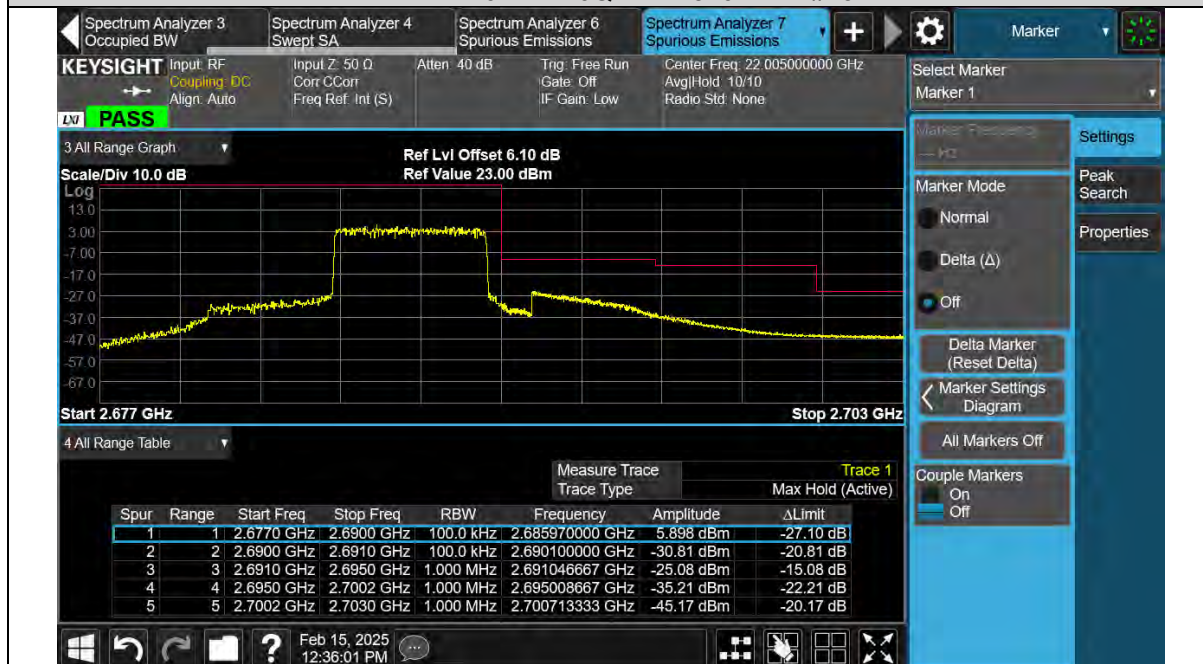


BUREAU
VERITAS

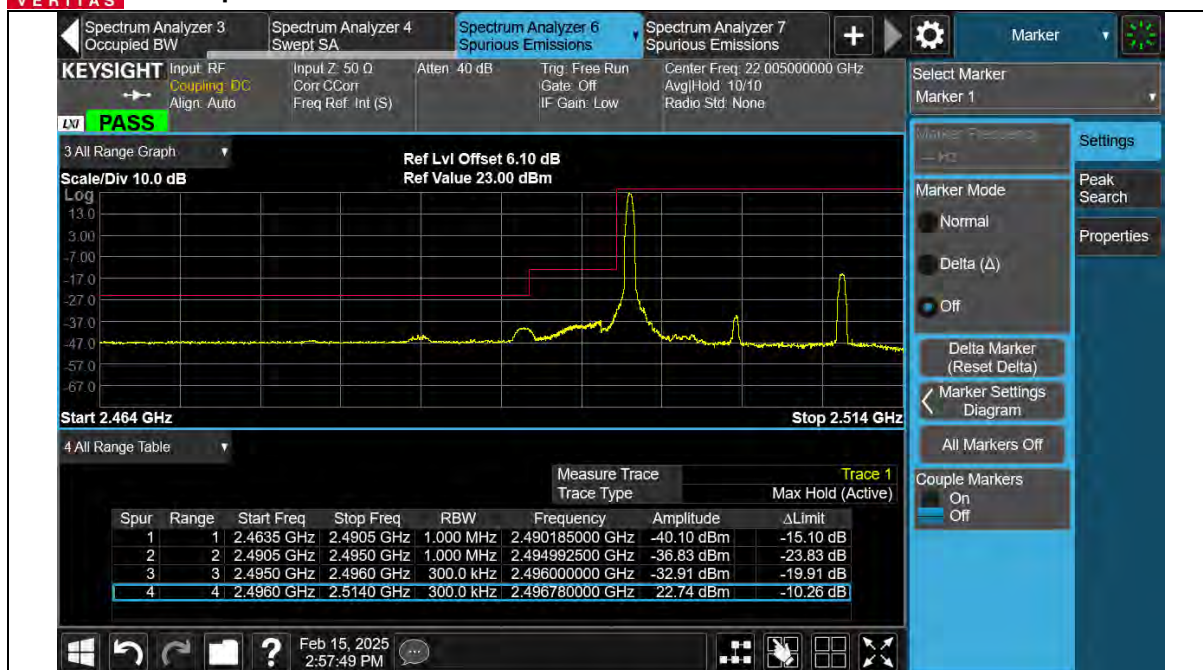
Test Report No.: PSZ-NQN2412300616RF04



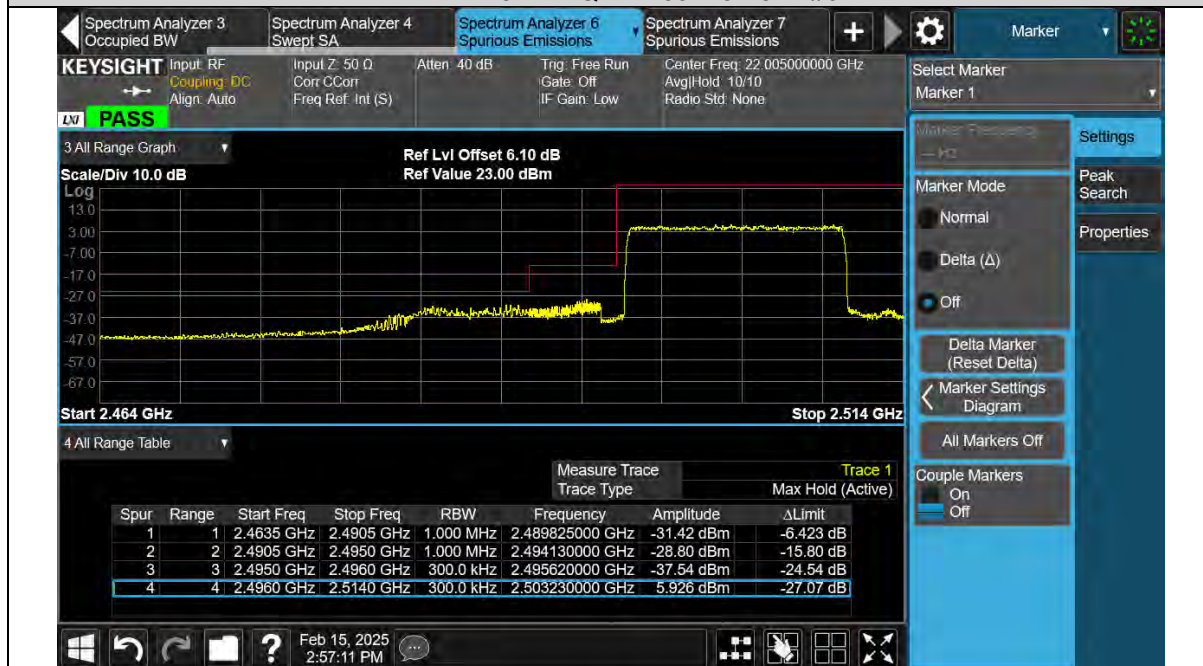
Band41-10MHz-16QAM-41540-27RB#23



Band41-15MHz-QPSK-39725-1RB#0



Band41-15MHz-QPSK-39725-75RB#0

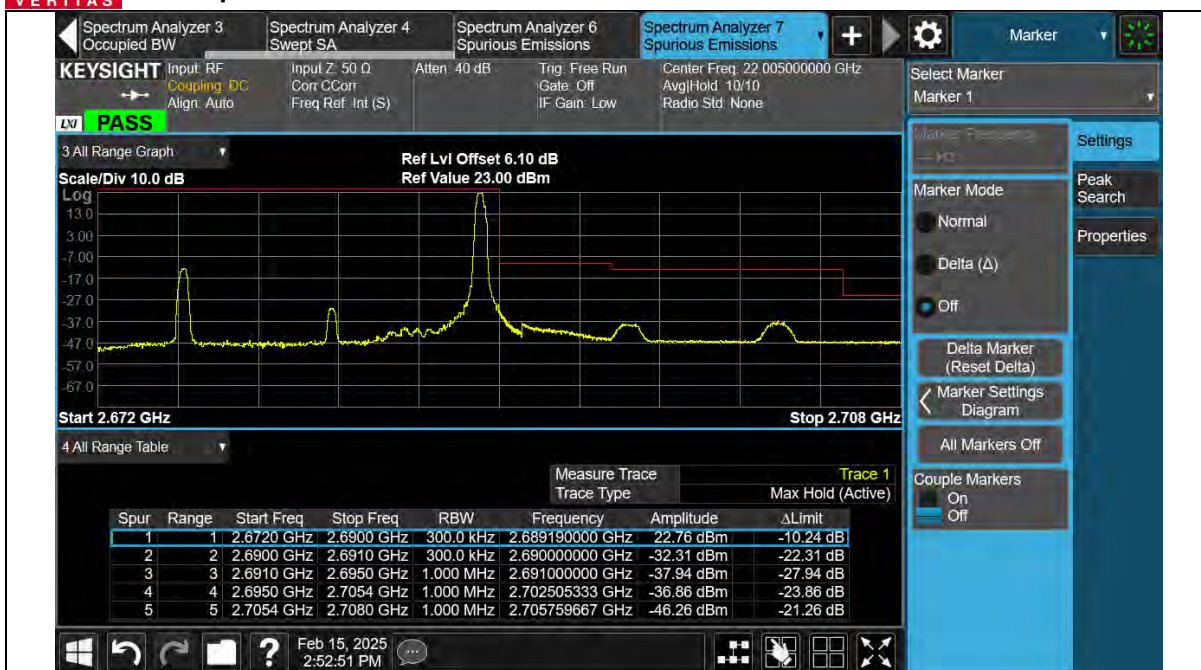


Band41-15MHz-QPSK-41515-1RB#74

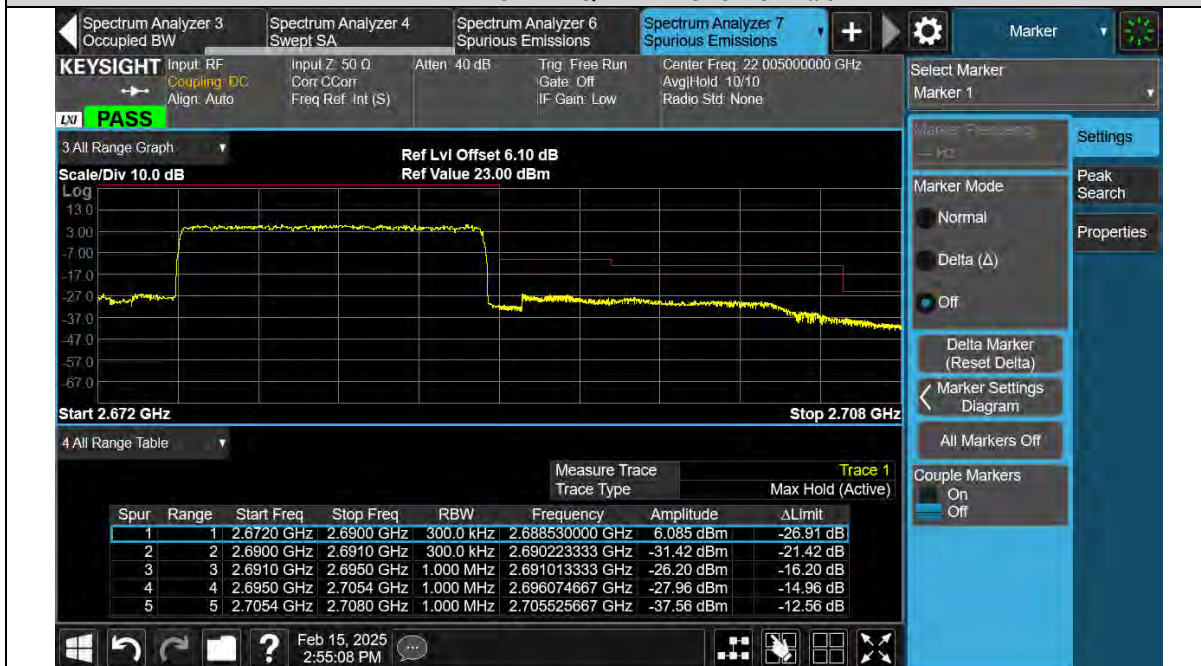


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-15MHz-QPSK-41515-75RB#0

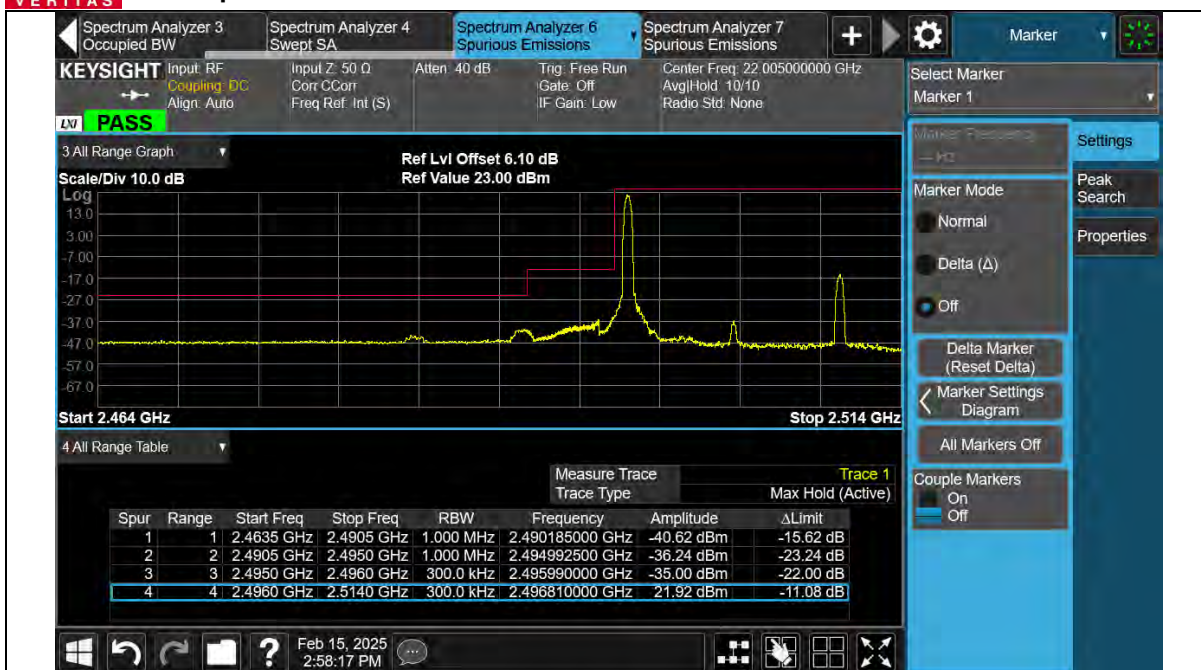


Band41-15MHz-16QAM-39725-1RB#0

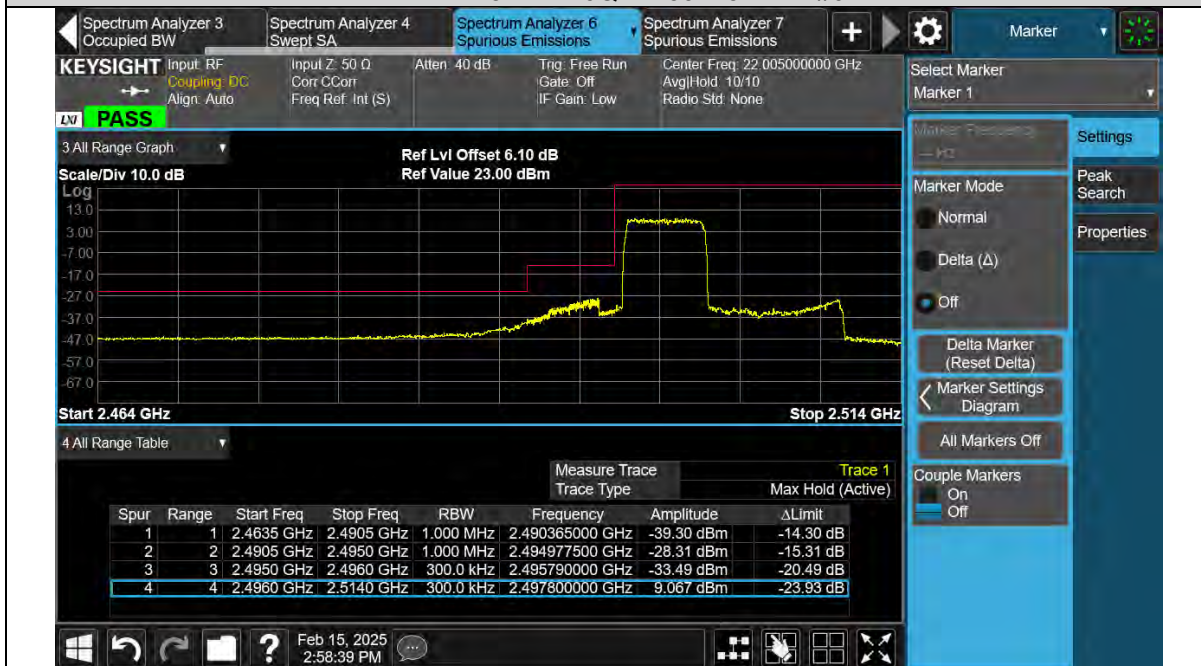


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



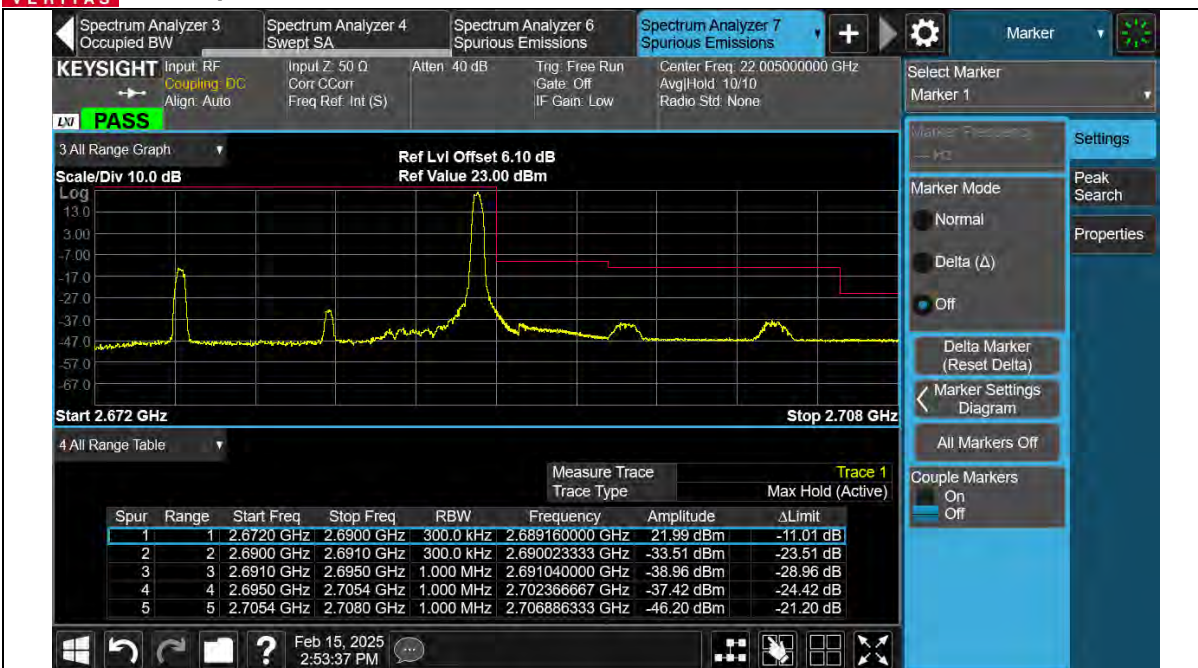
Band41-15MHz-16QAM-39725-27RB#0



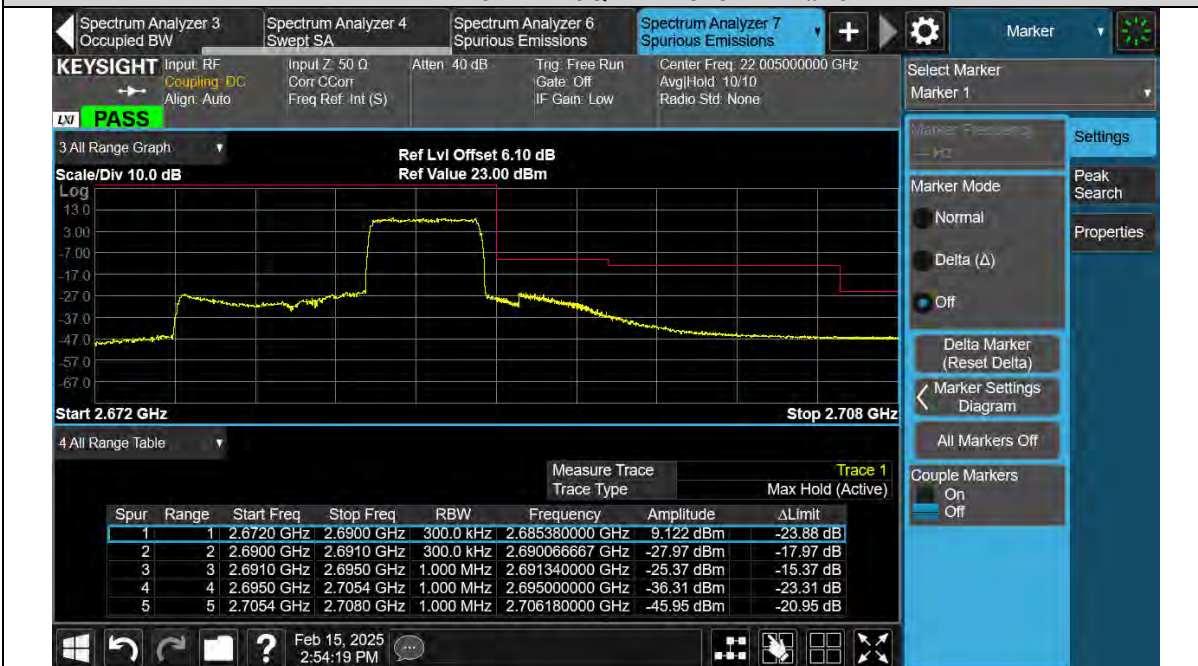
Band41-15MHz-16QAM-41515-1RB#74



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF04



Band41-15MHz-16QAM-41515-27RB#48

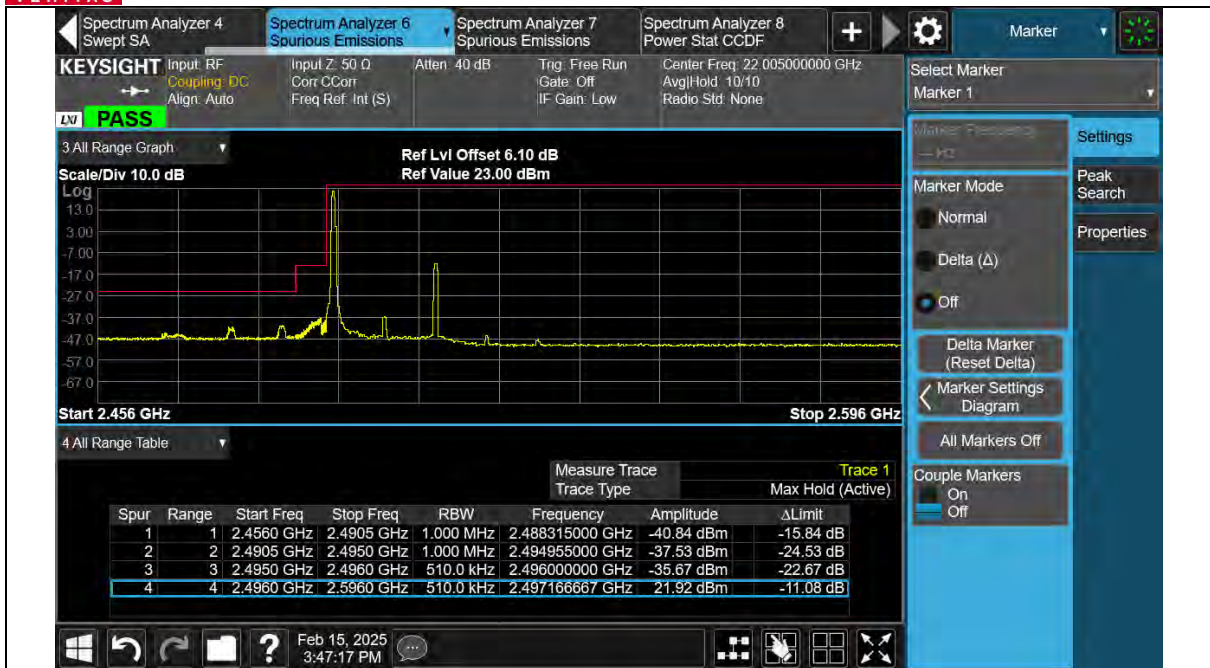


Band41-20MHz-QPSK-39750-1RB#0

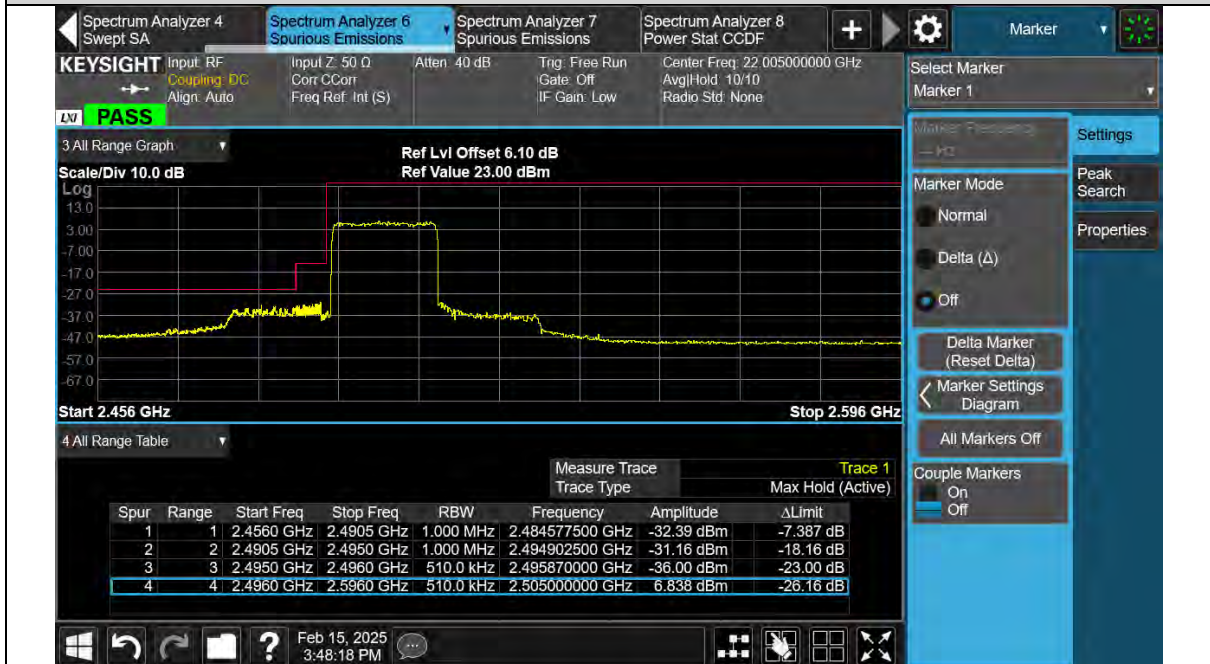


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-20MHz-QPSK-39750-100RB#0

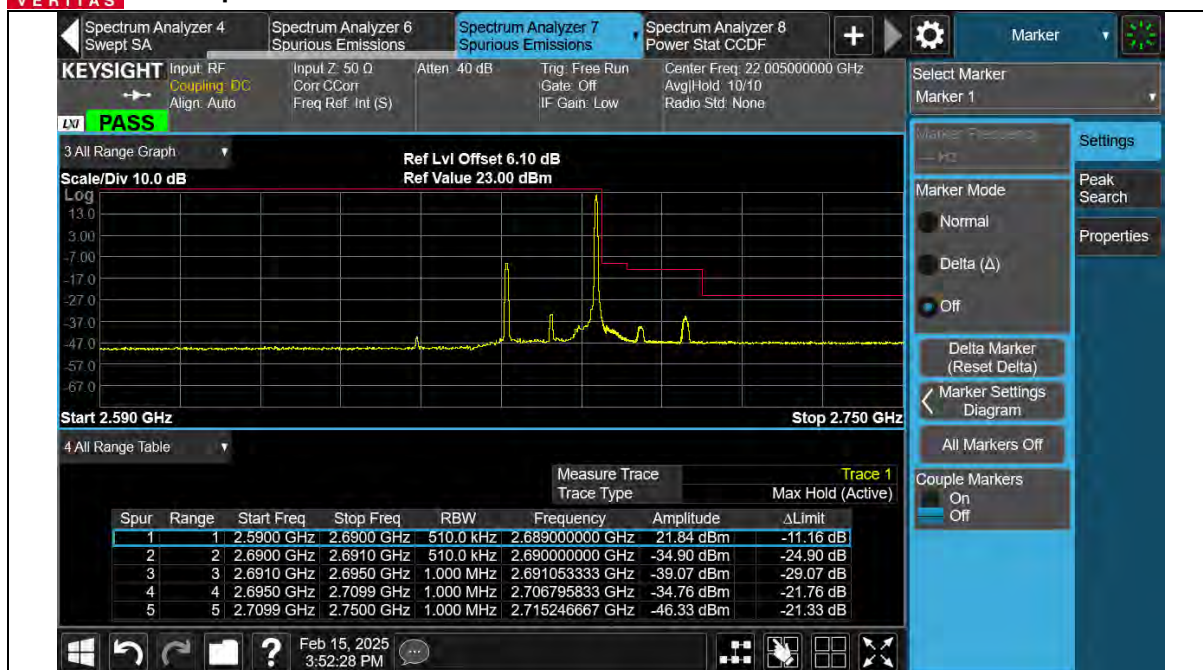


Band41-20MHz-QPSK-41490-1RB#99

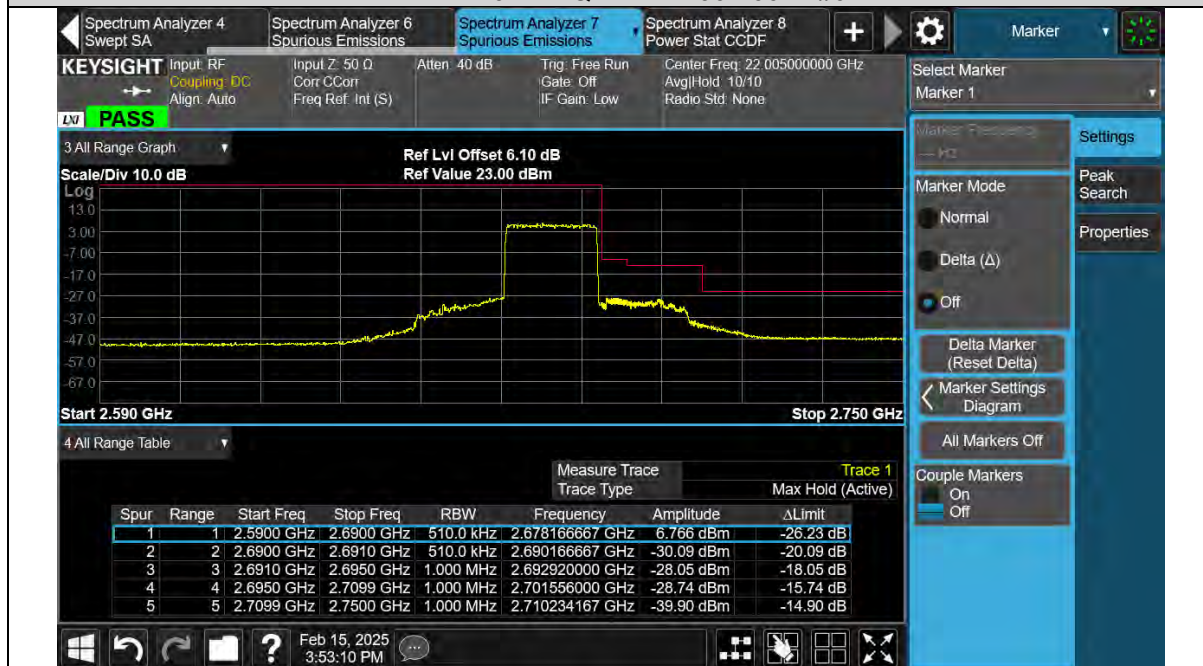


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-20MHz-QPSK-41490-100RB#0

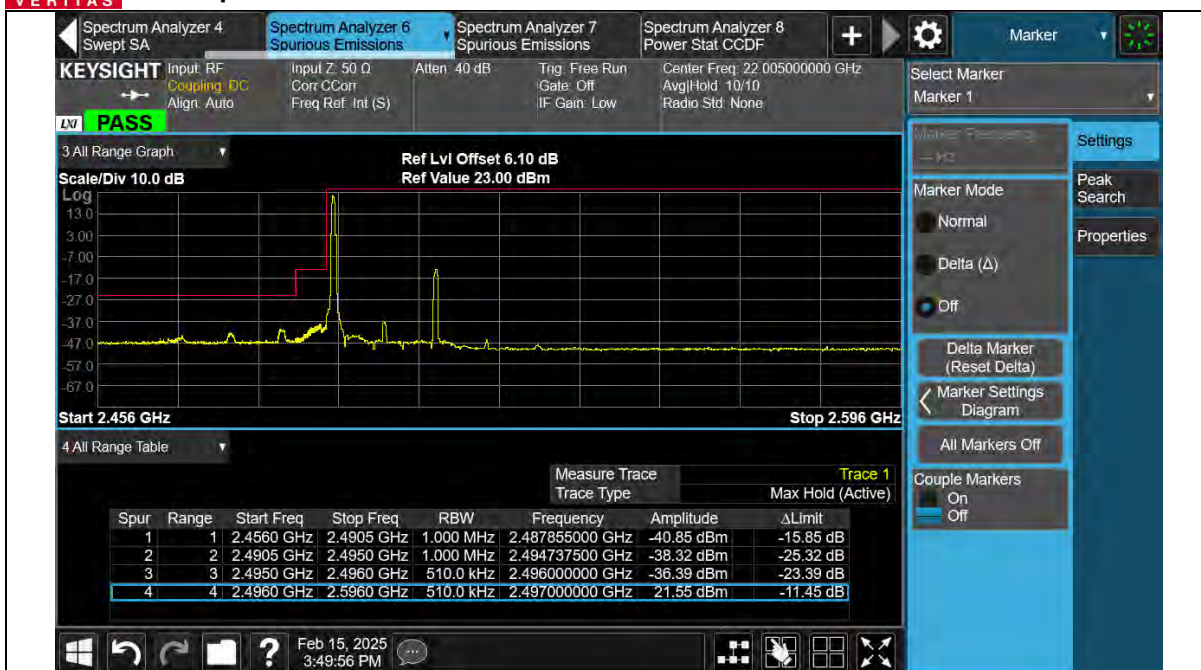


Band41-20MHz-16QAM-39750-1RB#0

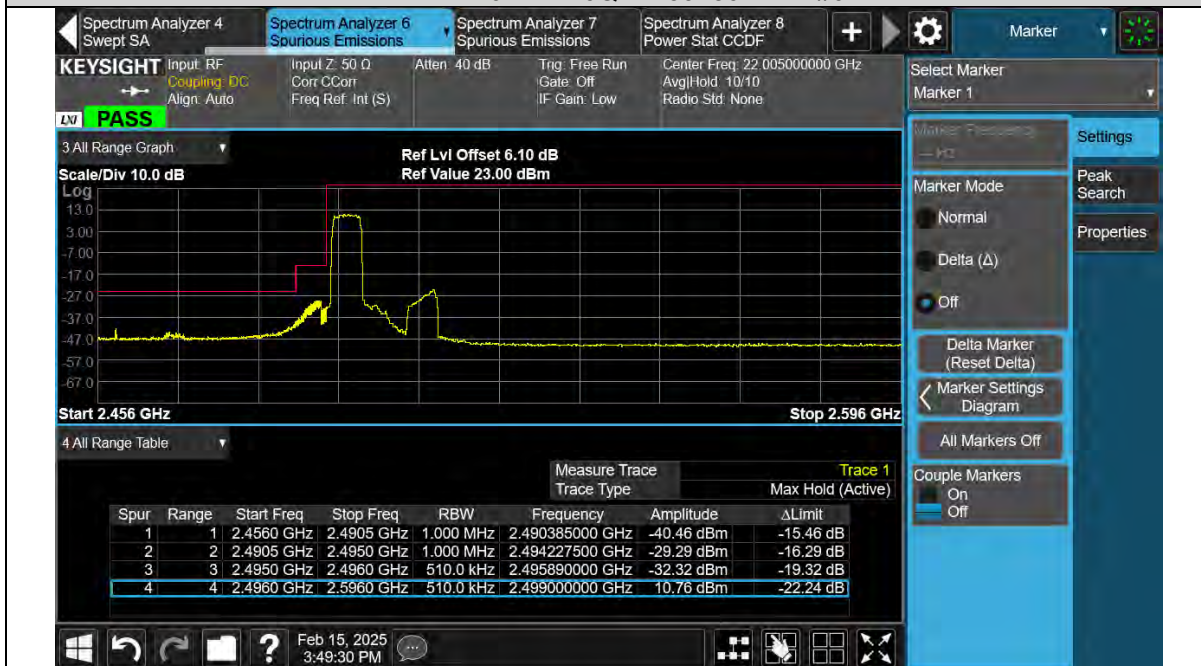


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-20MHz-16QAM-39750-27RB#0

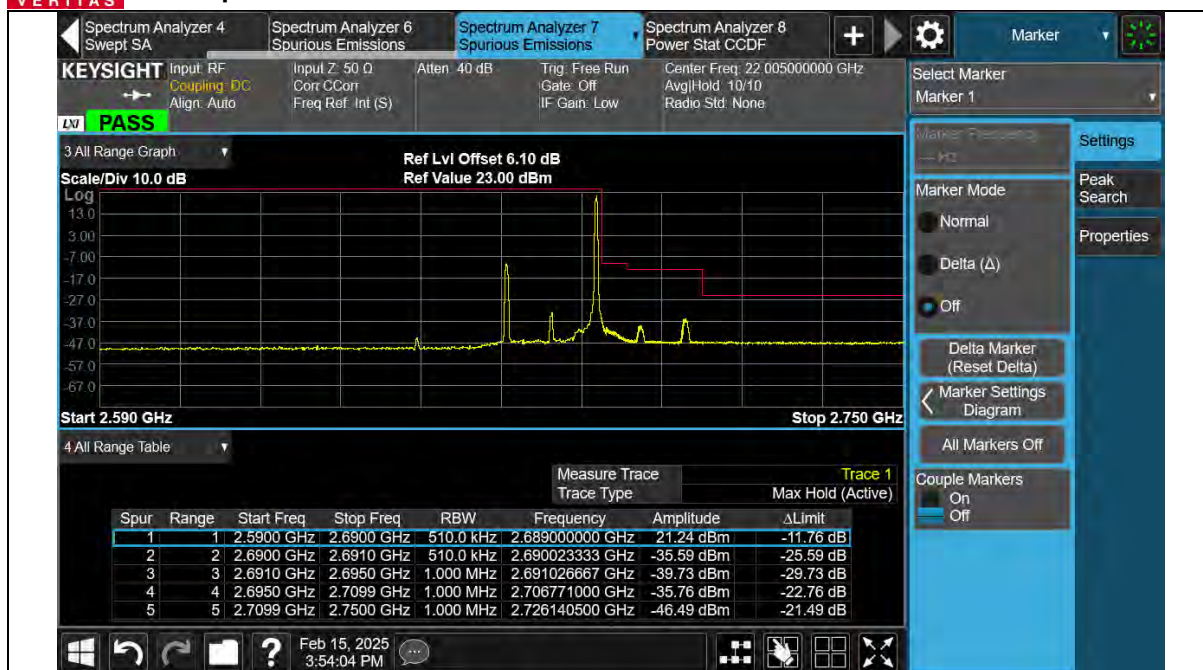


Band41-20MHz-16QAM-41490-1RB#99

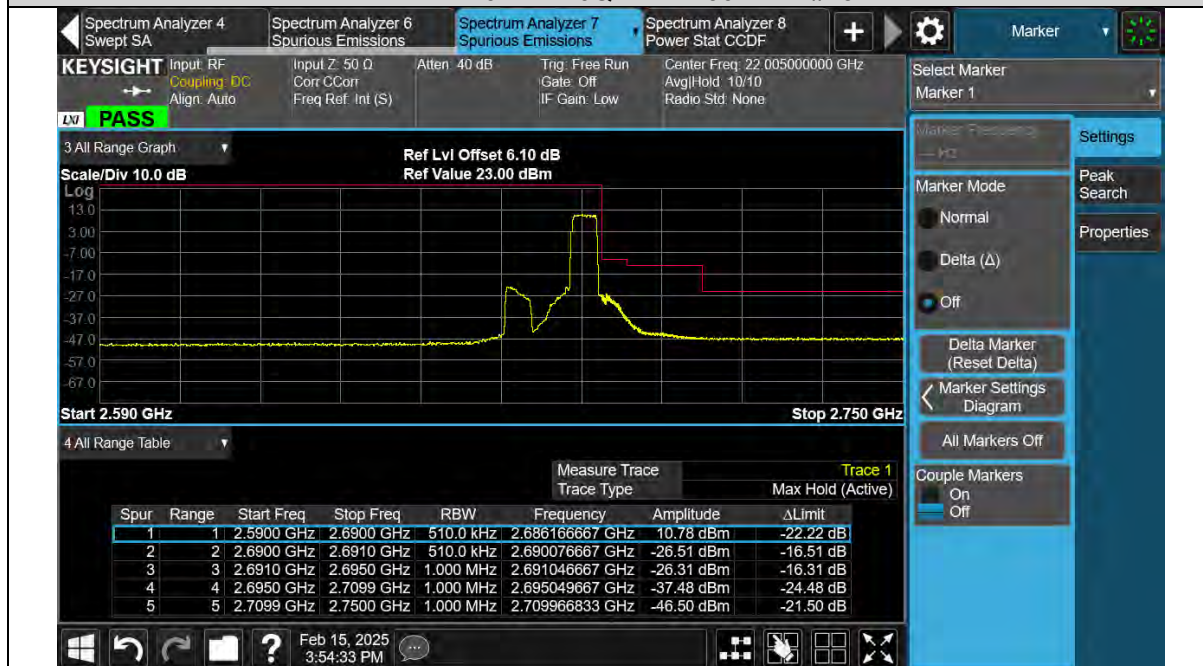


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-20MHz-16QAM-41490-27RB#73



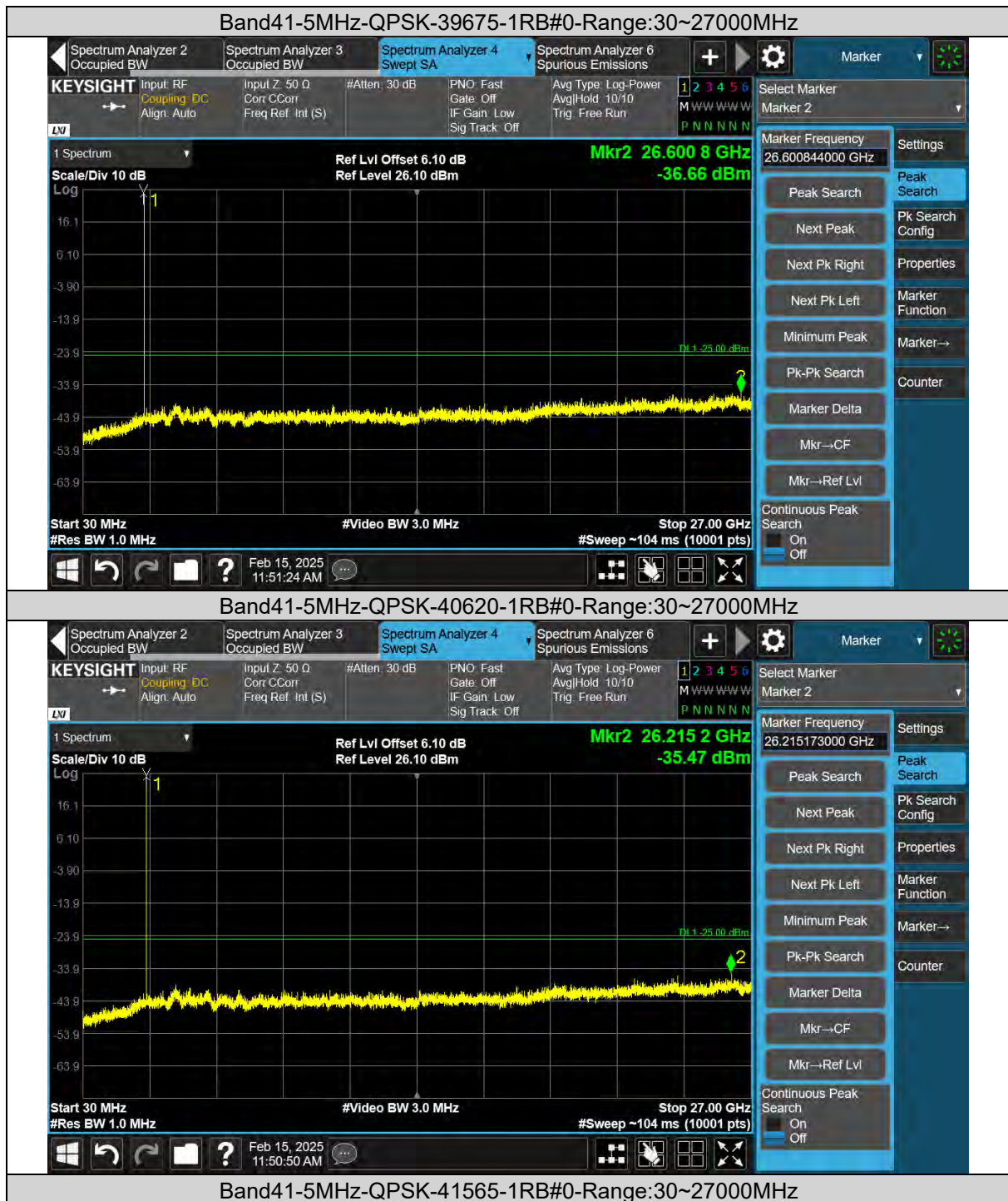
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	15MHz	QPSK	40620	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range:30~27000MHz	See Graph	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range:30~27000MHz	See Graph	PASS

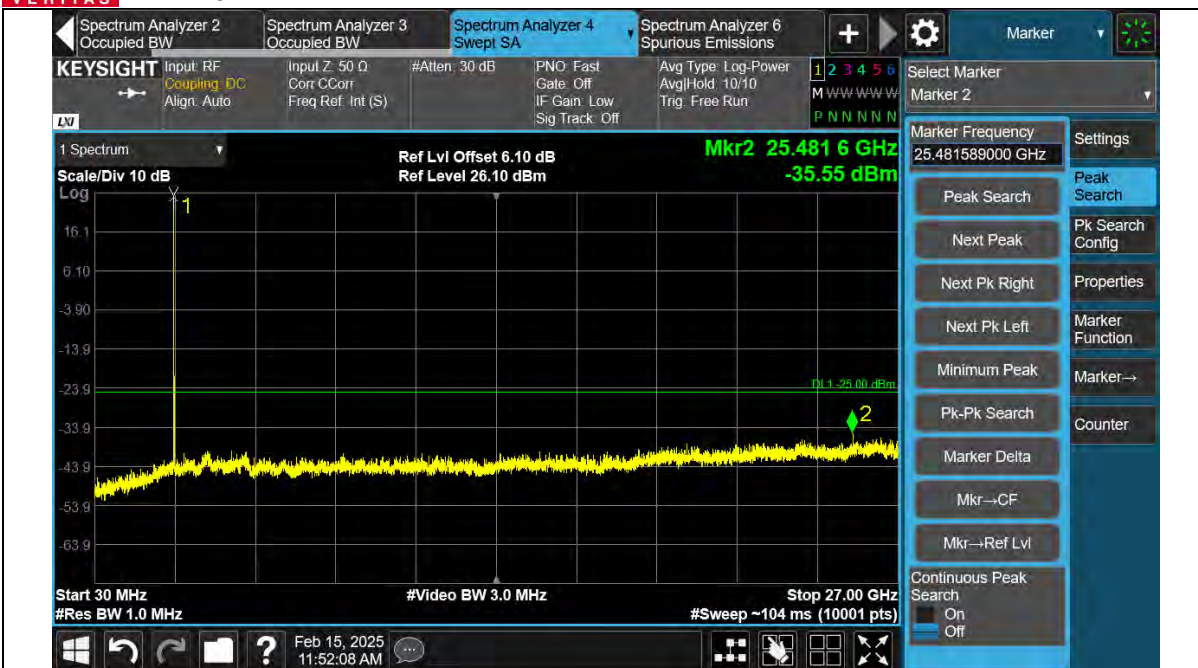


Test Graphs

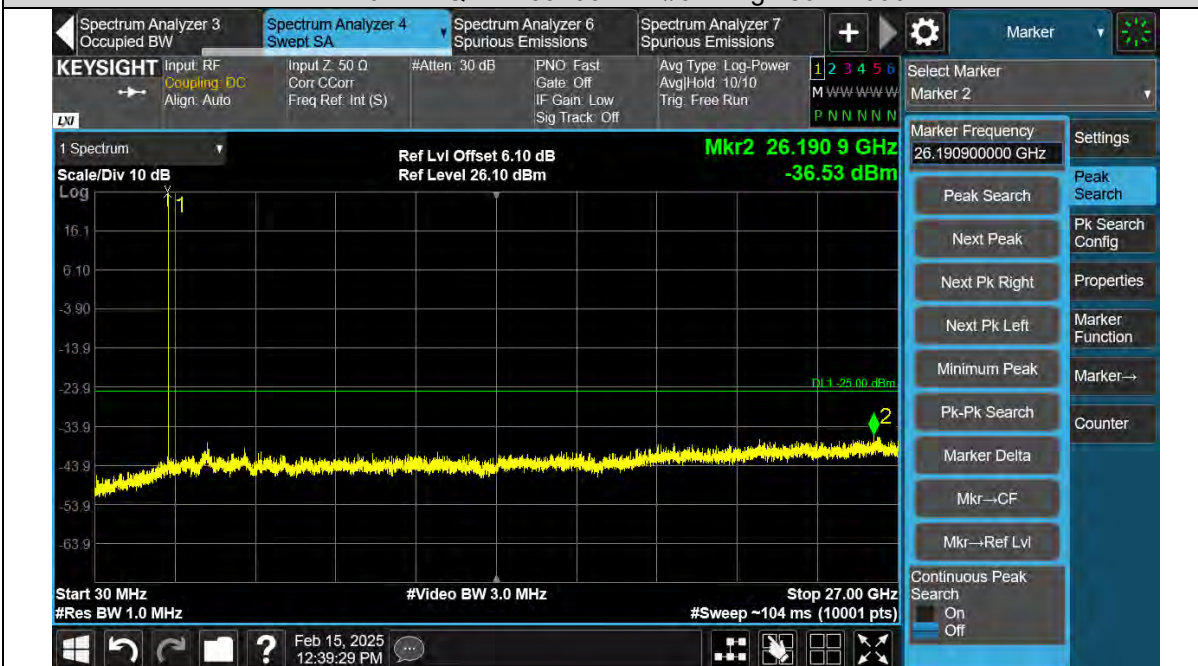




BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF04



Band41-10MHz-QPSK-39700-1RB#0-Range:30~27000MHz

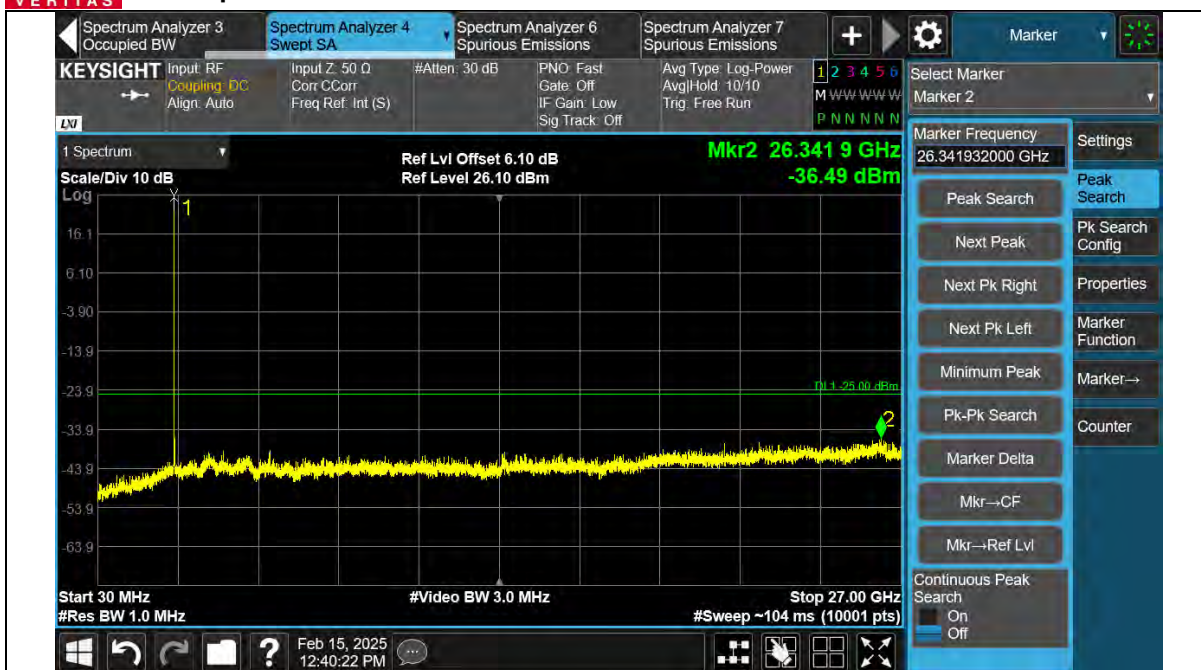


Band41-10MHz-QPSK-40620-1RB#0-Range:30~27000MHz

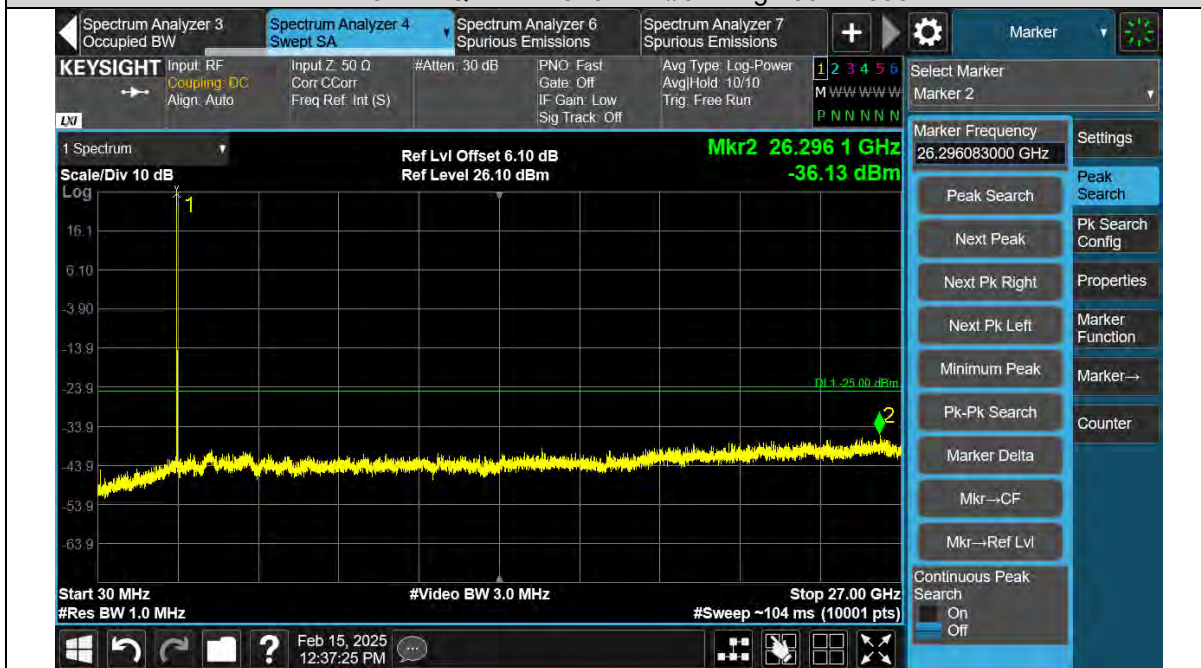


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VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-10MHz-QPSK-41540-1RB#0-Range:30~27000MHz

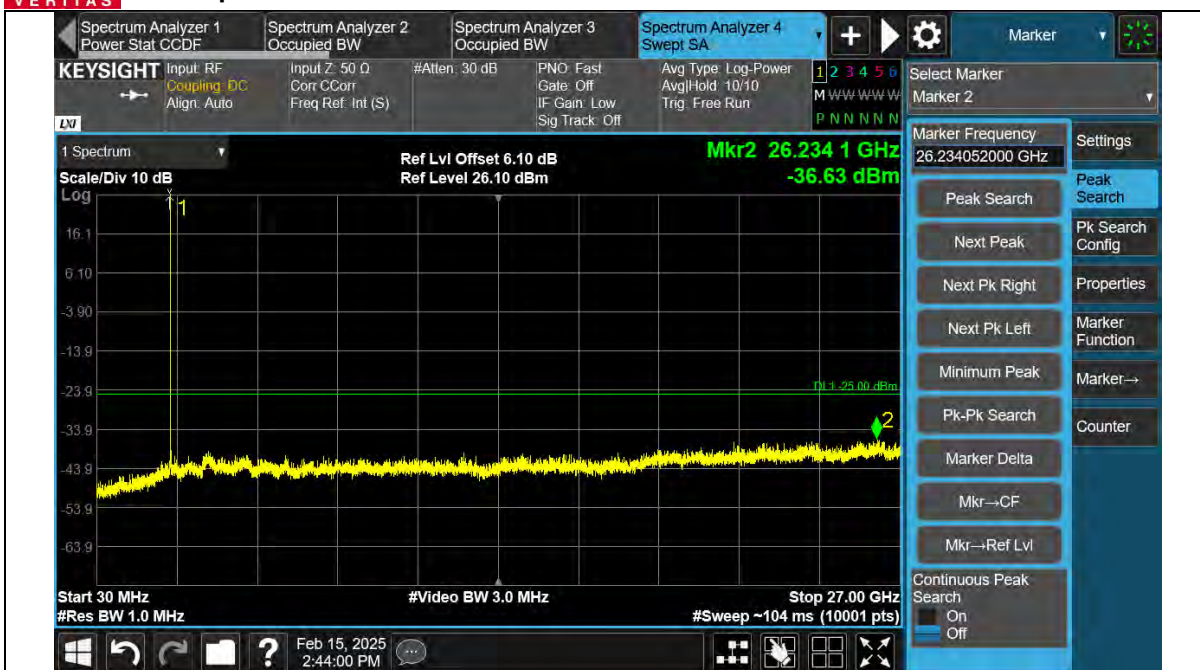


Band41-15MHz-QPSK-39725-1RB#0-Range:30~27000MHz

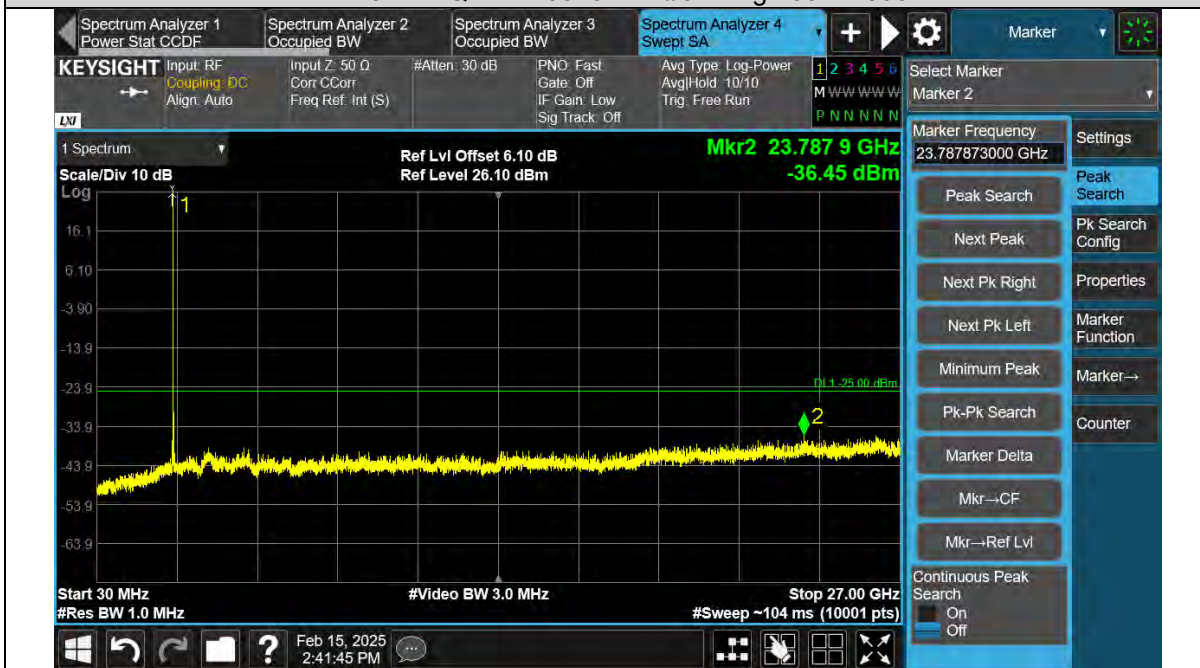


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



Band41-15MHz-QPSK-40620-1RB#0-Range:30~27000MHz

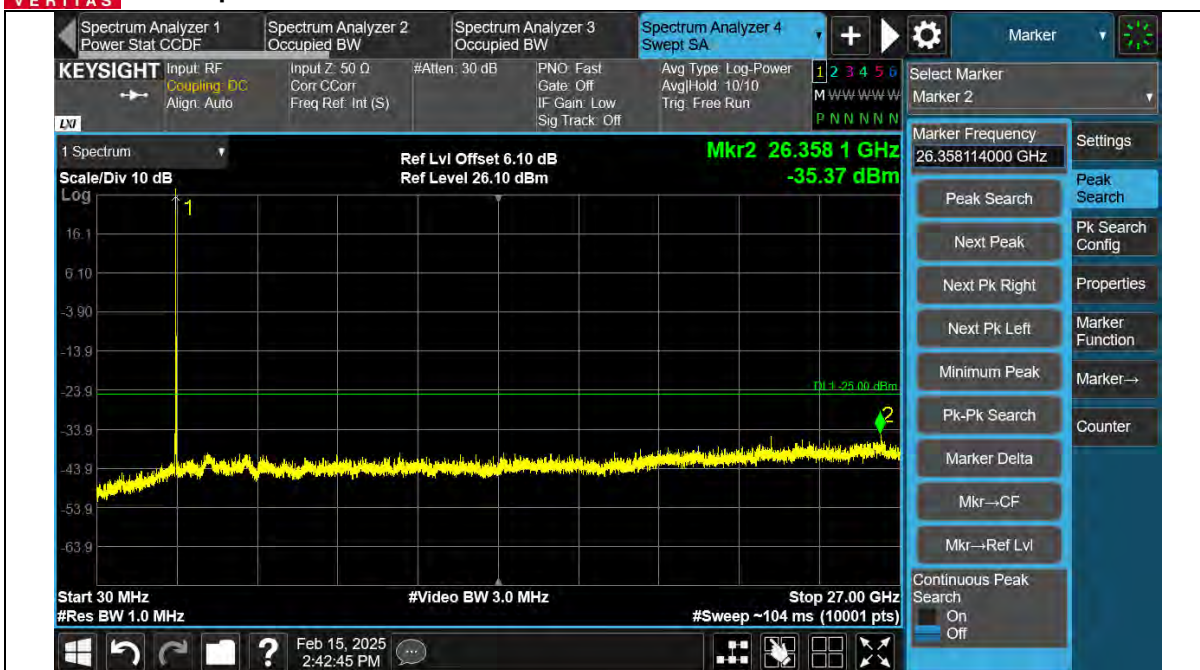


Band41-15MHz-QPSK-41515-1RB#0-Range:30~27000MHz

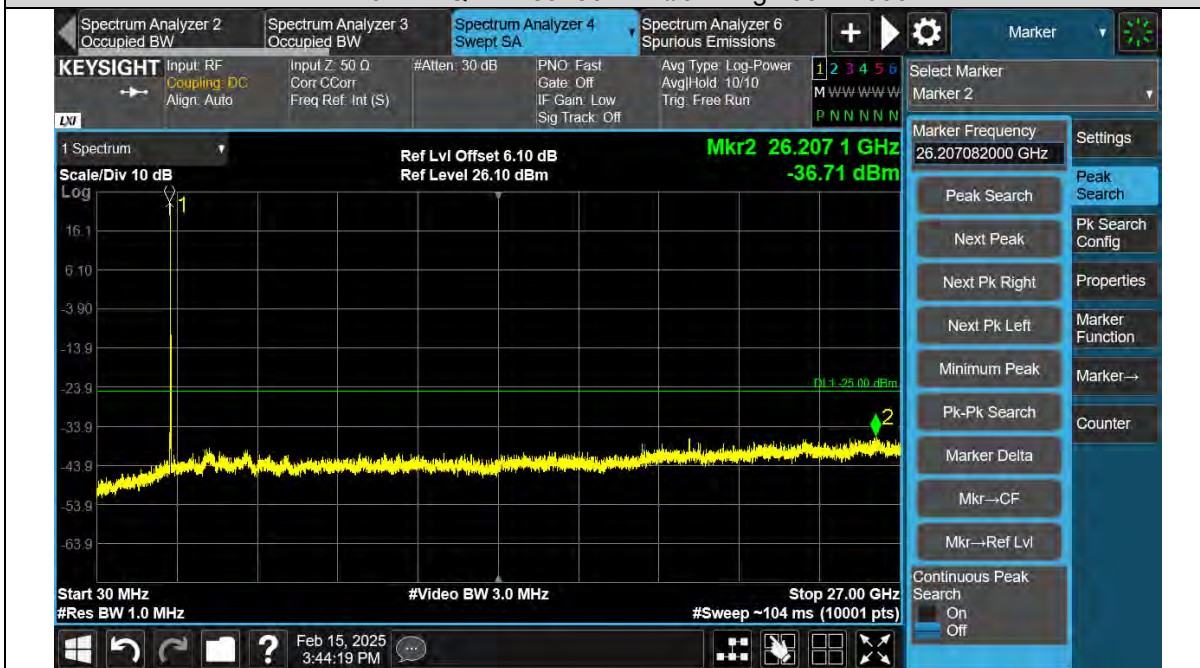


BUREAU
VERITAS

Test Report No.: PSZ-NQN2412300616RF04



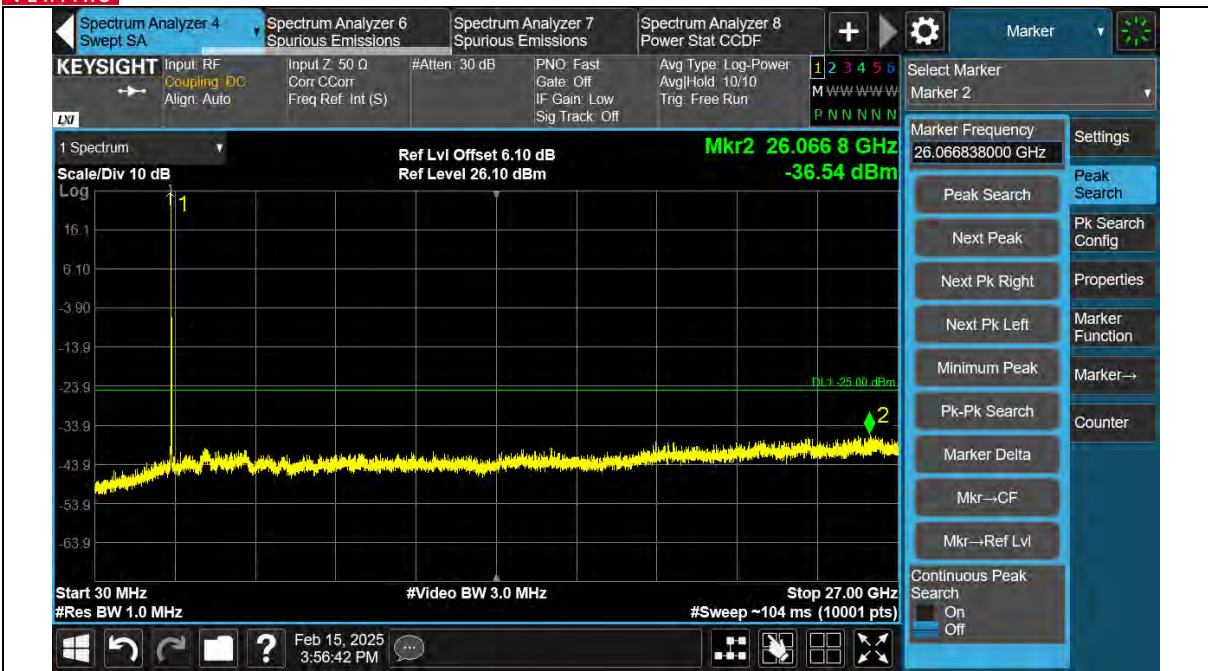
Band41-20MHz-QPSK-39750-1RB#0-Range:30~27000MHz



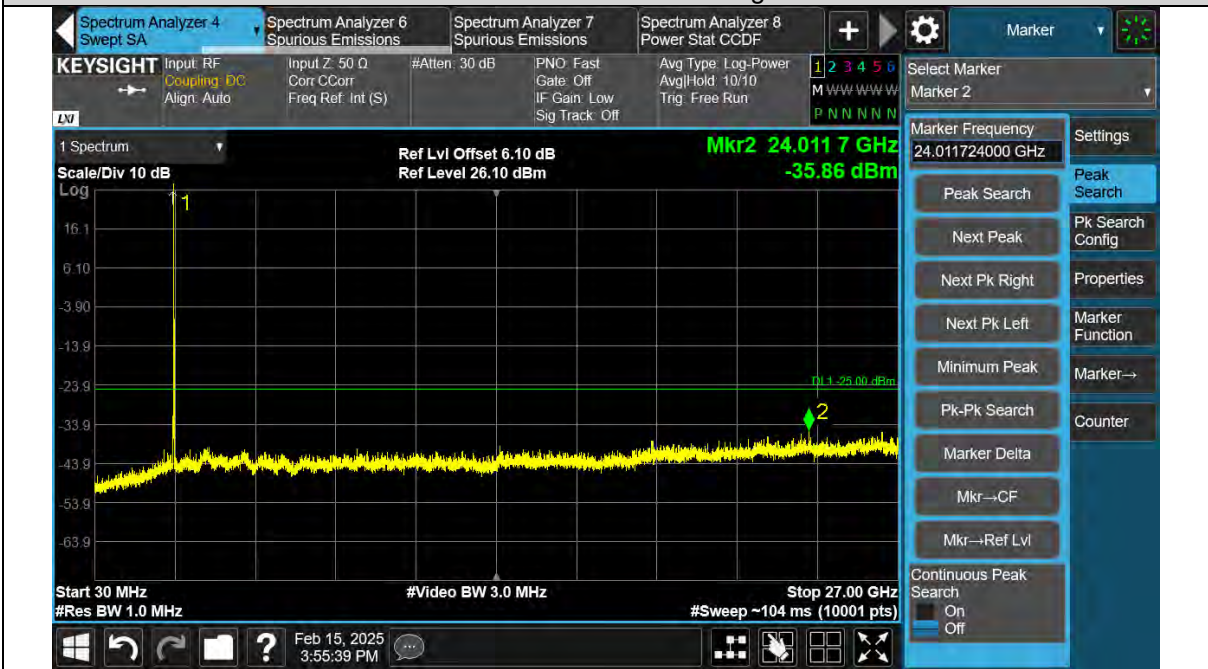
Band41-20MHz-QPSK-40620-1RB#0-Range:30~27000MHz



BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF04



Band41-20MHz-QPSK-41490-1RB#0-Range:30~27000MHz





BUREAU VERITAS Test Report No.: PSZ-NQN2412300616RF04

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	LV	NT	-19.76	-0.007885	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	NT	-31.4	-0.012530	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	HV	NT	-7.9	-0.003152	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	LV	NT	32.1	0.012379	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	NT	-16.3	-0.006286	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	HV	NT	0.4	0.000154	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	LV	NT	-13.4	-0.005000	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	NT	0	0.000000	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	HV	NT	4.6	0.001716	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	-17.8	-0.007103	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	18.7	0.007462	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	-29.5	-0.011772	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	-1.2	-0.000479	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	-17.2	-0.006864	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	25.4	0.010136	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	34.1	0.013607	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-24.3	-0.009697	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	-12.5	-0.004988	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-14.9	-0.005746	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-12.6	-0.004859	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	26	0.010027	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-1.3	-0.000501	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-12.5	-0.004821	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	0	0.000000	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-15.3	-0.005901	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	5.5	0.002121	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	29.2	0.011261	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	2.2	0.000821	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	11.5	0.004291	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	-33.3	-0.012425	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	-22.3	-0.008321	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	27.4	0.010224	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	34.5	0.012873	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	31	0.011567	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	9.7	0.003619	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	6.7	0.002500	±2.5	PASS

LTE BAND66(INCLUDING LTE BAND 4)

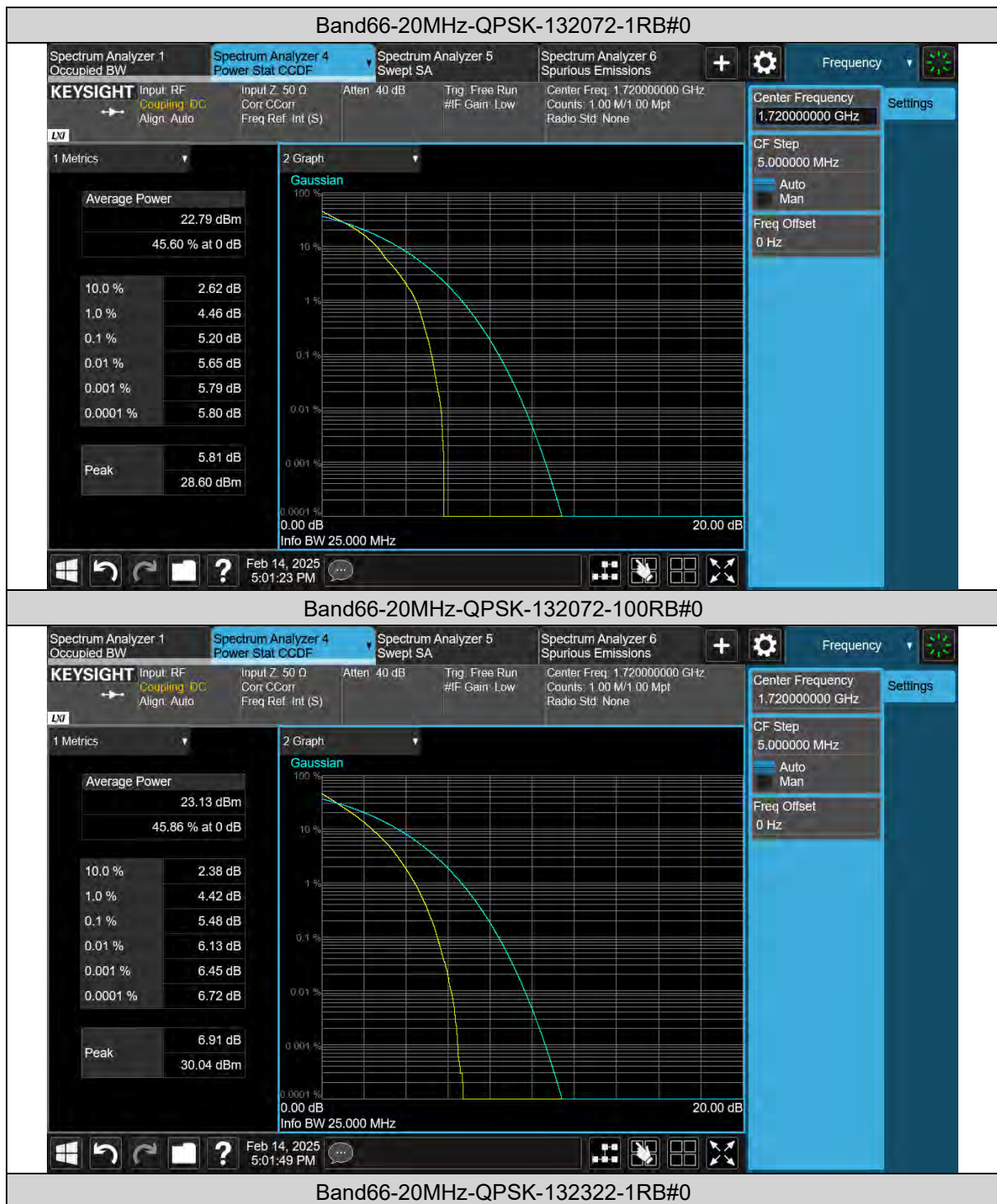
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	5.20	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.48	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	4.92	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.44	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	5.53	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.45	13	PASS
Band66	20MHz	16QAM	132072	1RB#0	5.28	13	PASS
Band66	20MHz	16QAM	132072	27RB#0	5.99	13	PASS
Band66	20MHz	16QAM	132322	1RB#0	5.65	13	PASS
Band66	20MHz	16QAM	132322	27RB#0	6.10	13	PASS
Band66	20MHz	16QAM	132572	1RB#0	5.96	13	PASS
Band66	20MHz	16QAM	132572	27RB#0	6.21	13	PASS



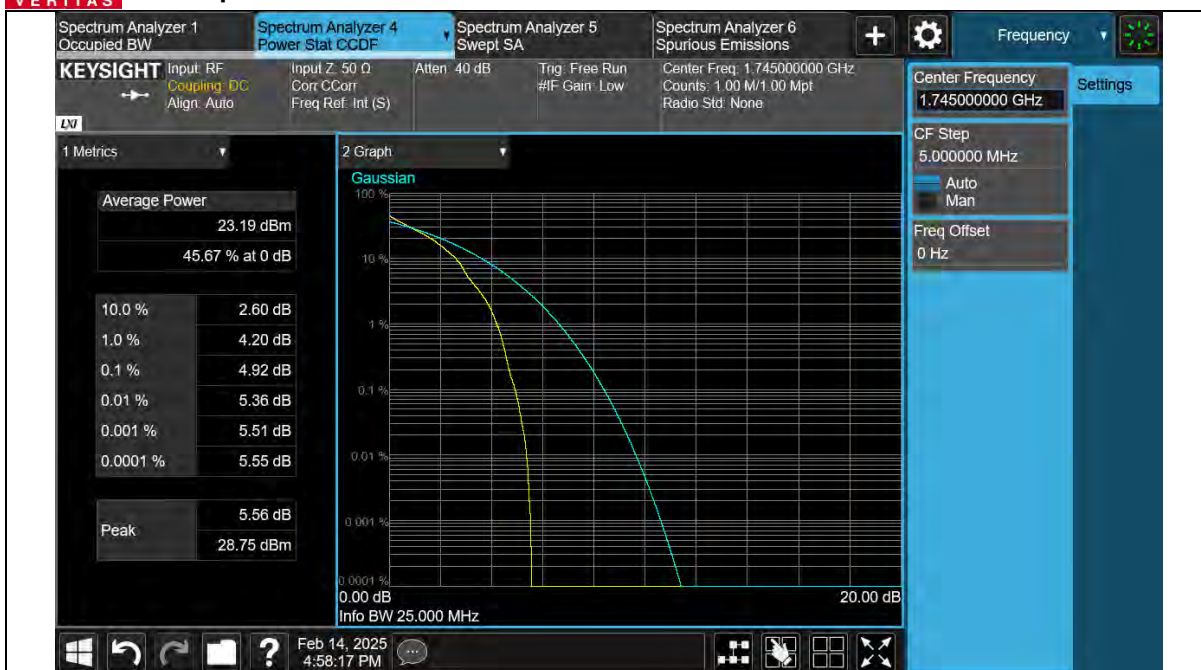
Test Graphs



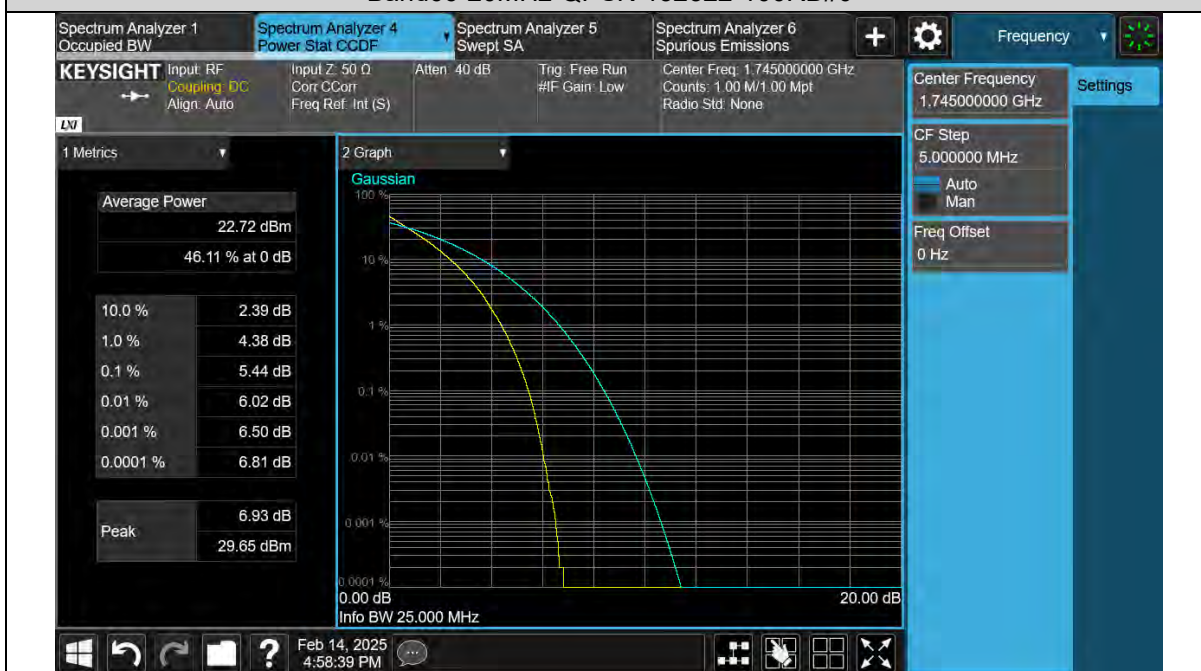


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Test Report No.: PSZ-NQN2412300616RF04



Band66-20MHz-QPSK-132322-100RB#0

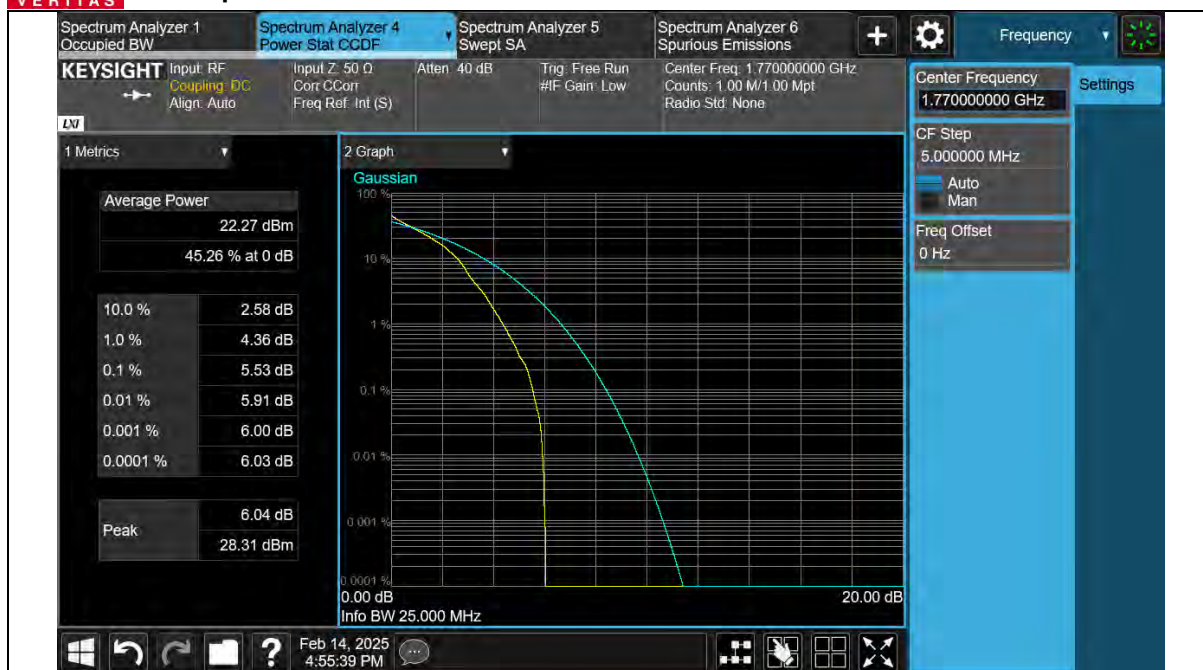


Band66-20MHz-QPSK-132572-1RB#0

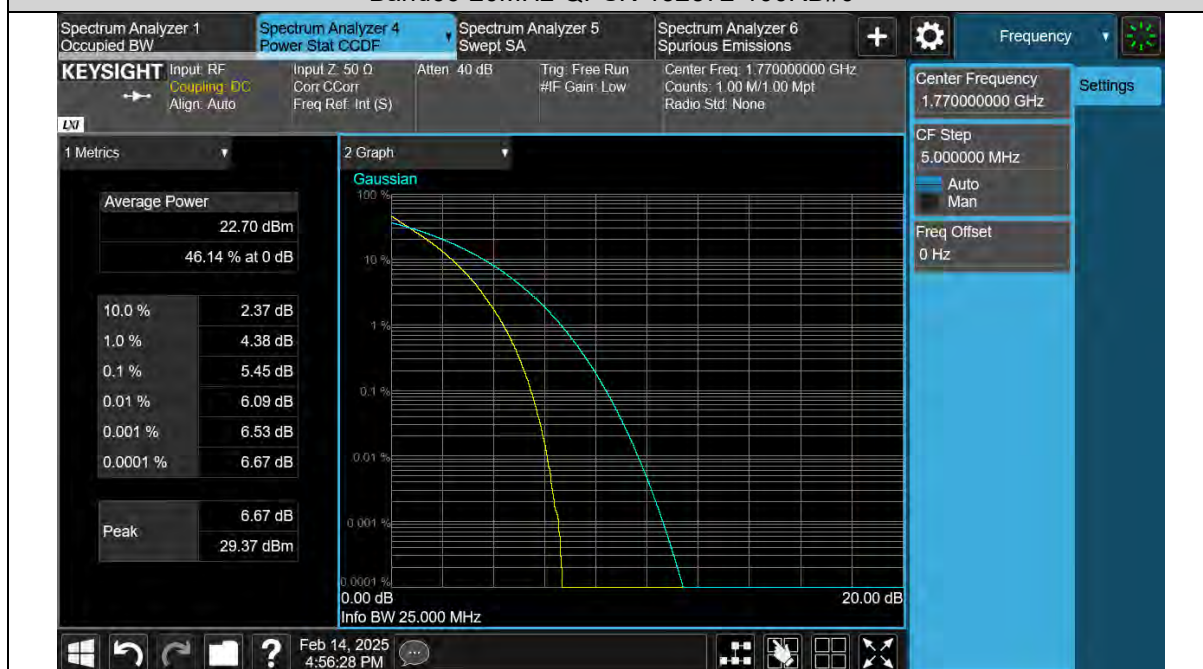


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Test Report No.: PSZ-NQN2412300616RF04



Band66-20MHz-QPSK-132572-100RB#0

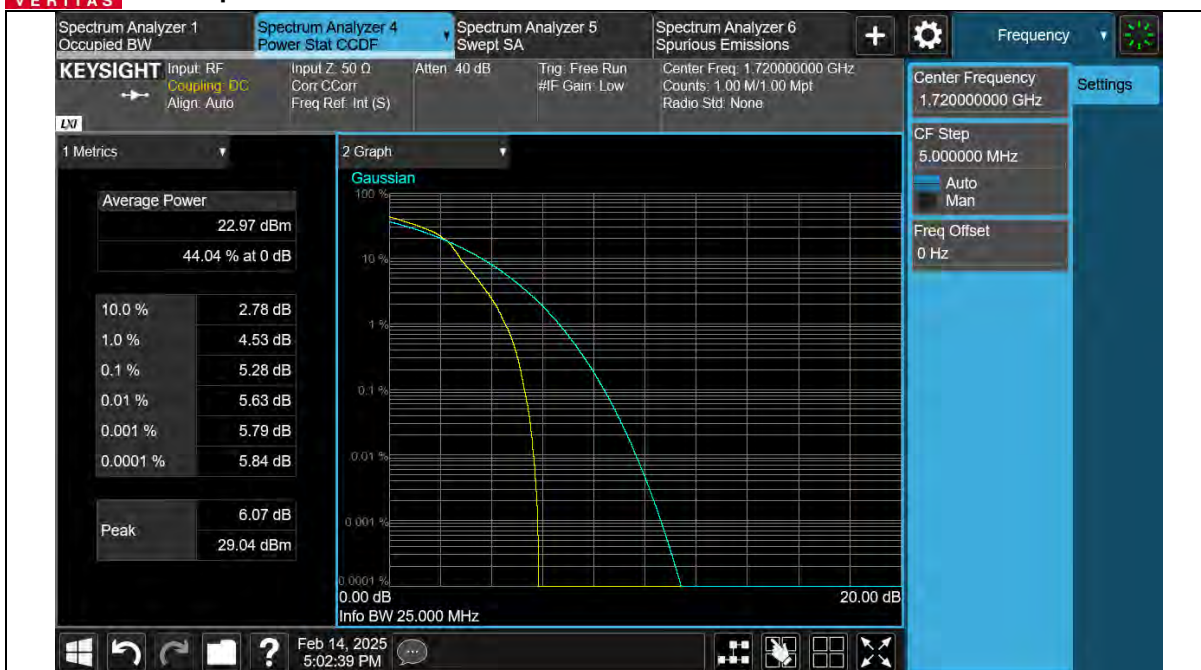


Band66-20MHz-16QAM-132072-1RB#0

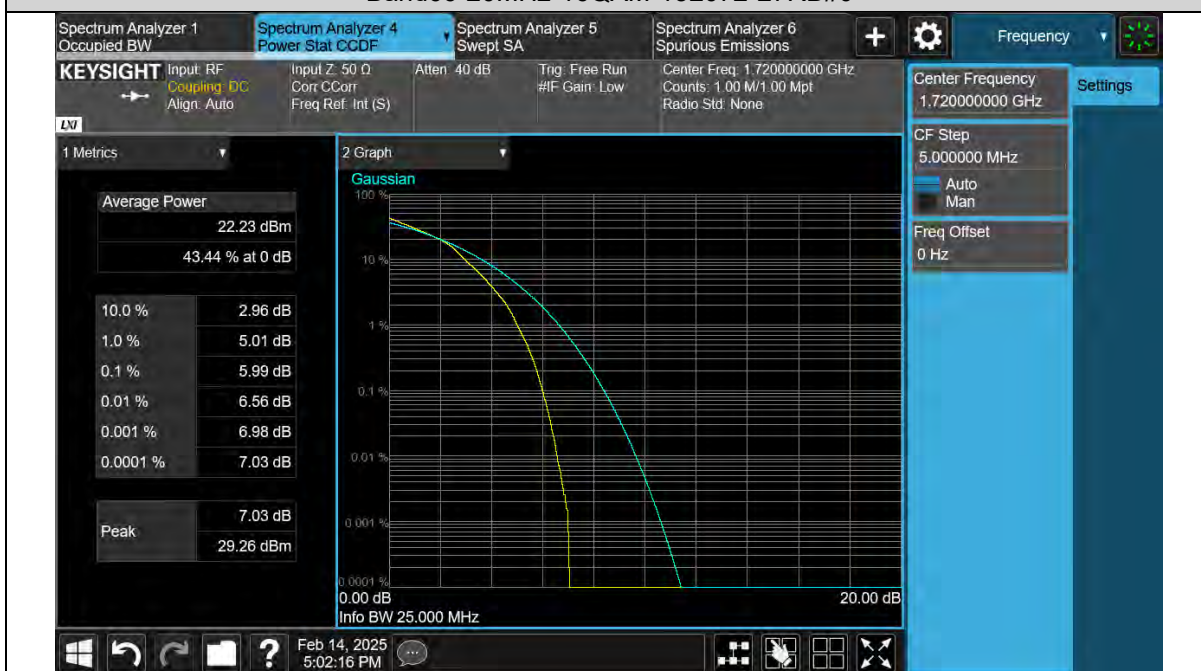


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Test Report No.: PSZ-NQN2412300616RF04



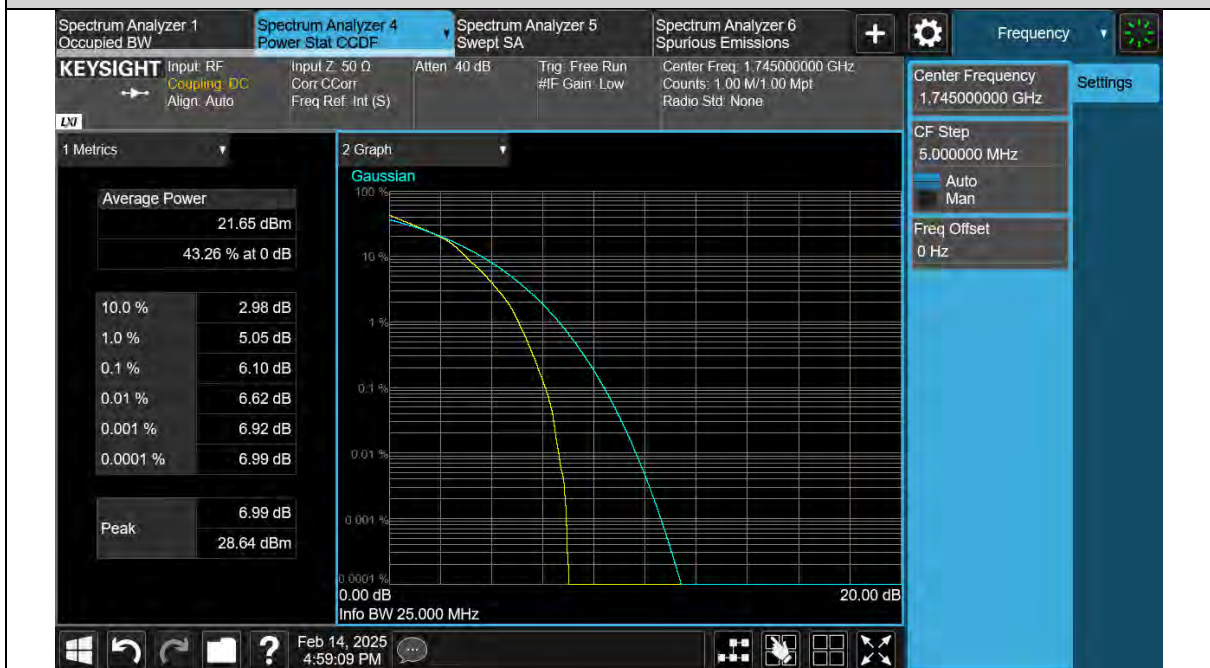
Band66-20MHz-16QAM-132072-27RB#0



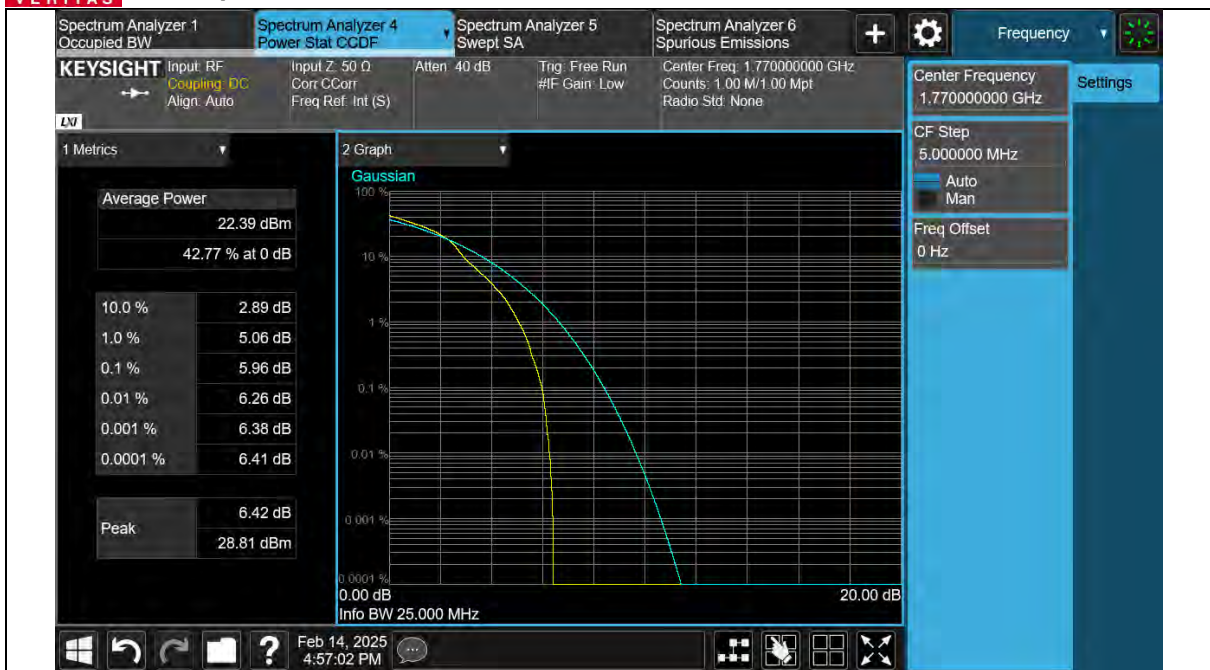
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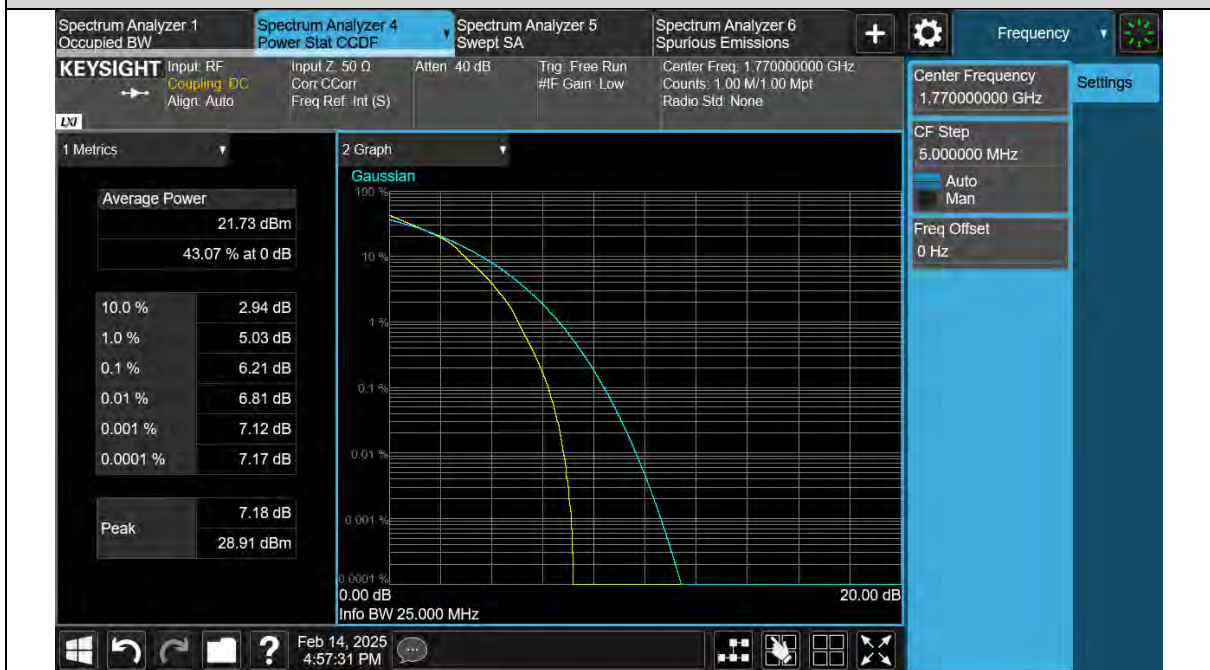
Band66-20MHz-16QAM-132322-27RB#0



Band66-20MHz-16QAM-132572-1RB#0



Band66-20MHz-16QAM-132572-27RB#0



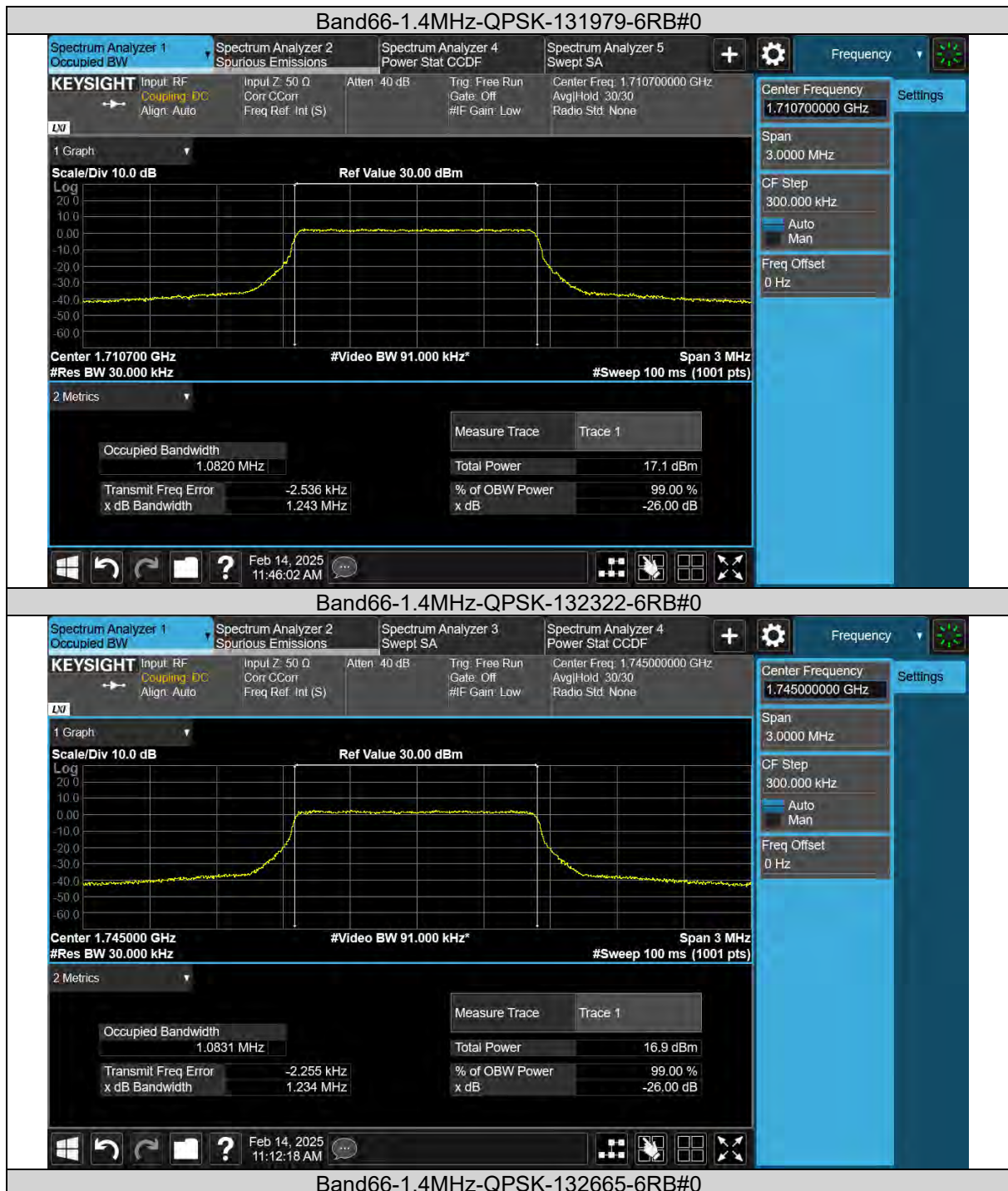
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.082	1.243	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.083	1.234	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.084	1.237	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.083	1.246	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.082	1.244	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.084	1.240	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.683	2.880	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.688	2.886	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.684	2.870	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.685	2.884	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.686	2.878	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.686	2.886	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.480	4.798	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.478	4.785	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.486	4.791	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.482	4.778	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.476	4.781	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.475	4.803	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.947	9.508	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.948	9.504	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.941	9.515	PASS
Band66	10MHz	16QAM	132022	27RB#0	4.816	5.206	PASS
Band66	10MHz	16QAM	132322	27RB#0	4.814	5.218	PASS
Band66	10MHz	16QAM	132622	27RB#0	4.820	5.187	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.443	14.230	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.449	14.260	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.443	14.230	PASS
Band66	15MHz	16QAM	132047	27RB#0	4.818	5.240	PASS
Band66	15MHz	16QAM	132322	27RB#0	4.823	5.307	PASS
Band66	15MHz	16QAM	132597	27RB#0	4.821	5.284	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.849	18.720	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.843	18.730	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.841	18.740	PASS
Band66	20MHz	16QAM	132072	27RB#0	4.819	5.288	PASS
Band66	20MHz	16QAM	132322	27RB#0	4.825	5.302	PASS
Band66	20MHz	16QAM	132572	27RB#0	4.819	5.230	PASS

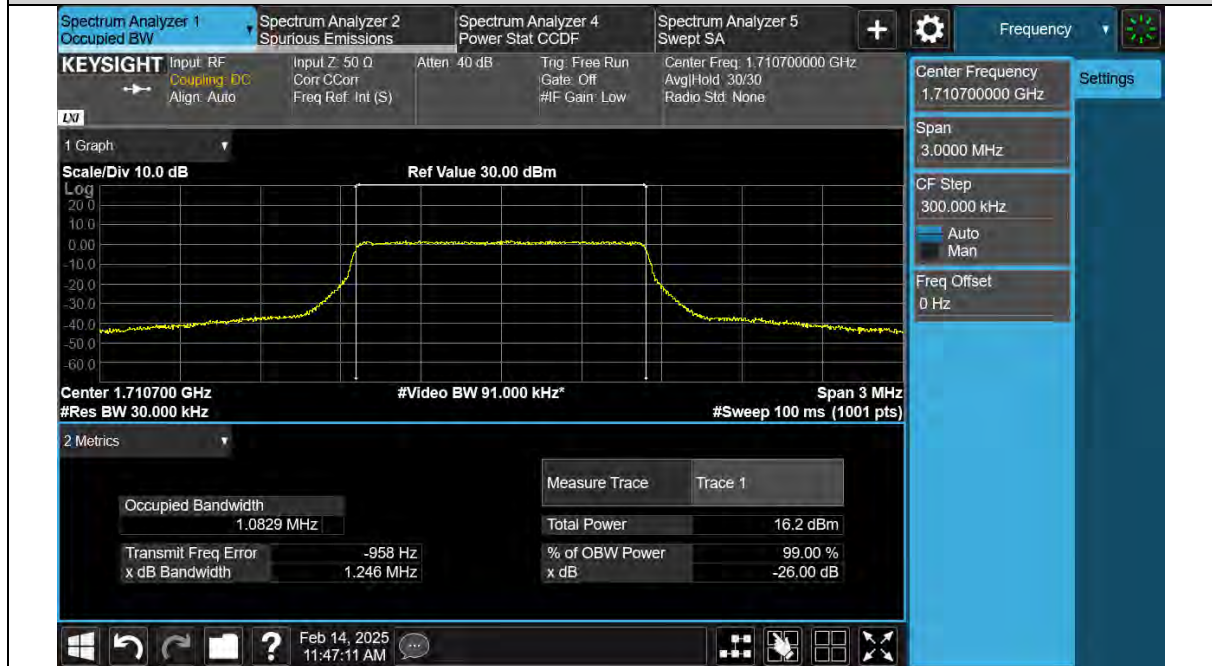


Test Graphs





Band66-1.4MHz-16QAM-131979-6RB#0



Band66-1.4MHz-16QAM-132322-6RB#0

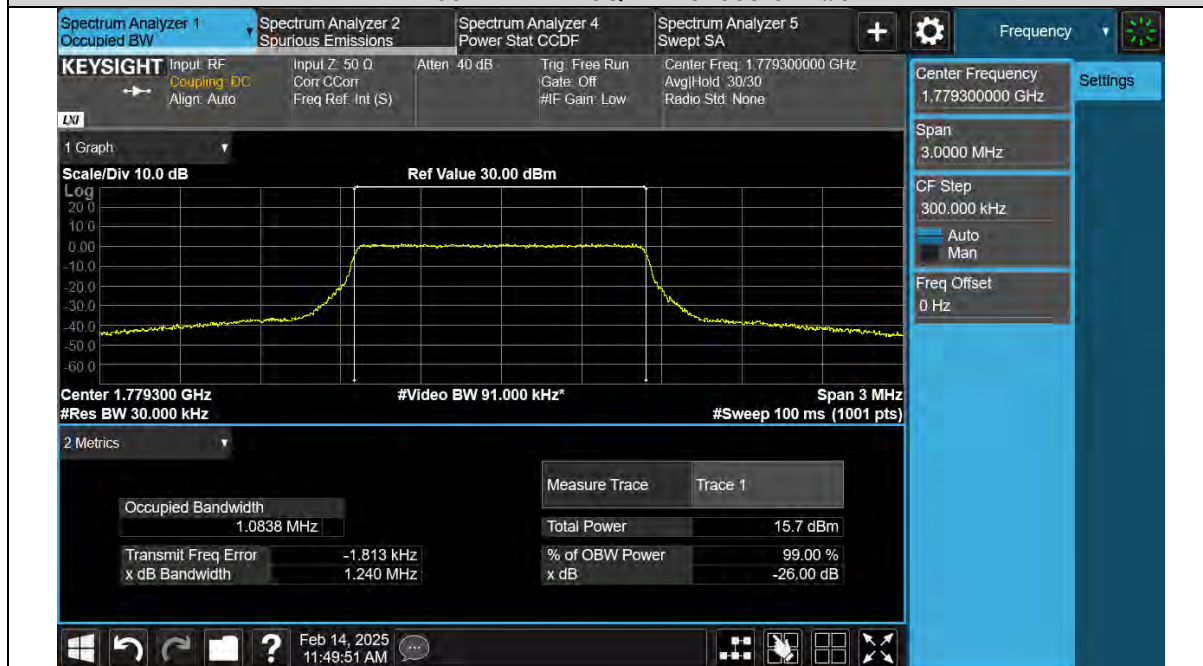


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Test Report No.: PSZ-NQN2412300616RF04



Band66-1.4MHz-16QAM-132665-6RB#0

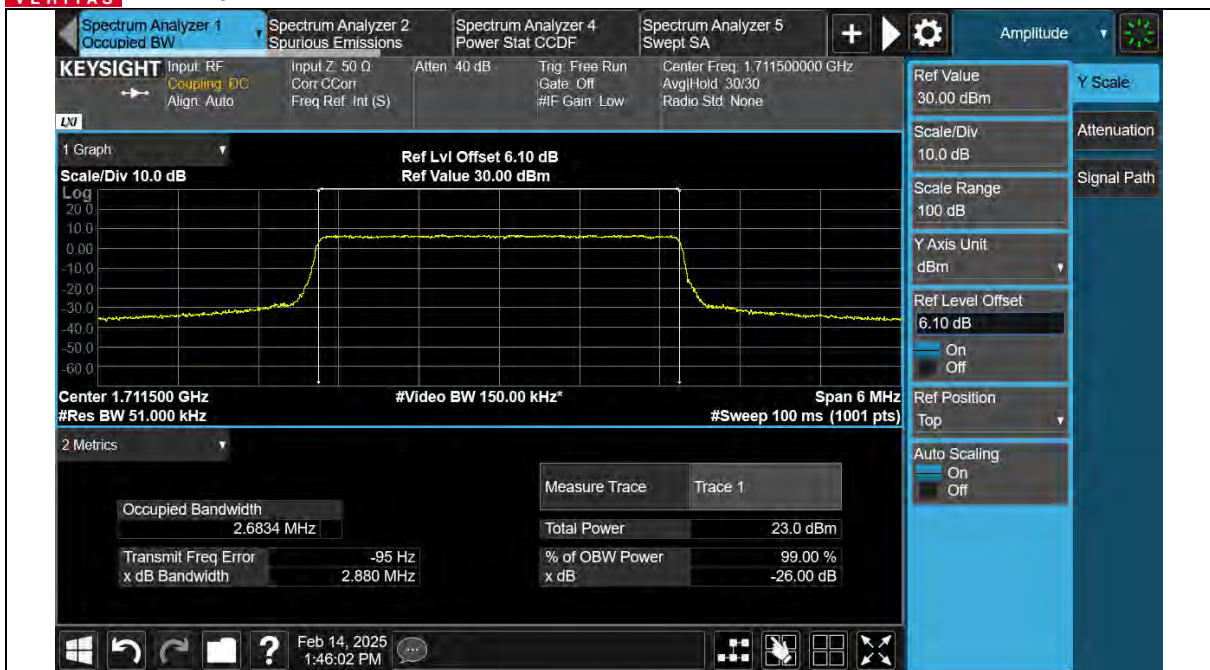


Band66-3MHz-QPSK-131987-15RB#0

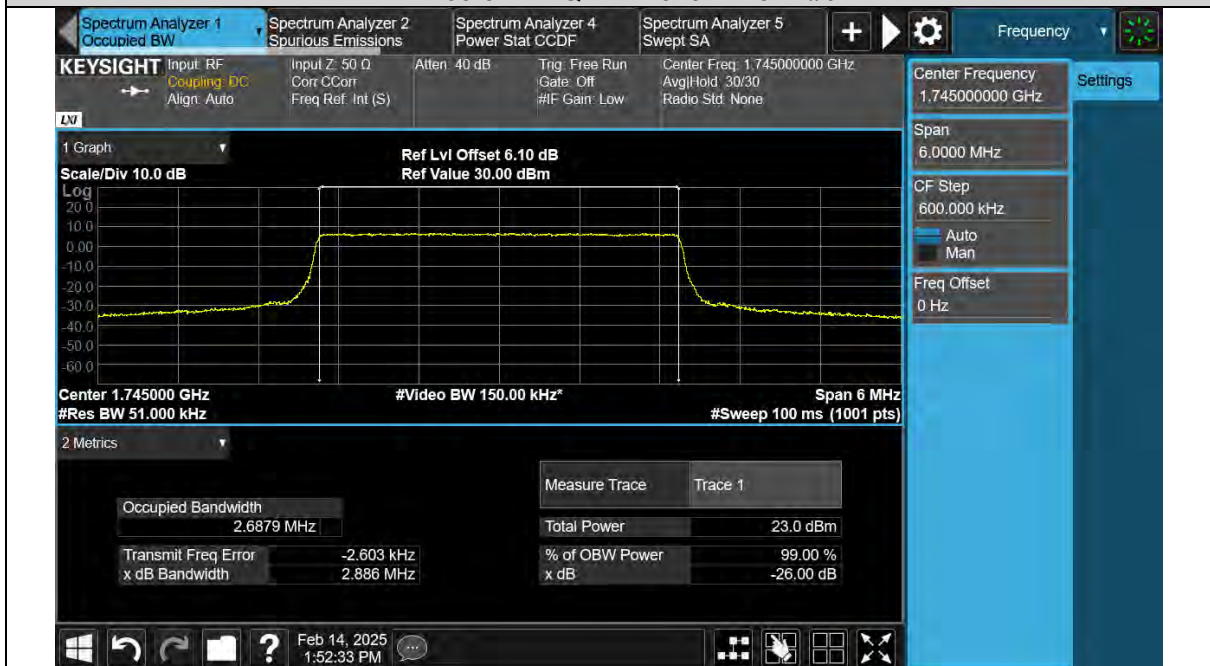


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Test Report No.: PSZ-NQN2412300616RF04



Band66-3MHz-QPSK-132322-15RB#0



Band66-3MHz-QPSK-132657-15RB#0