



BUREAU VERITAS Test Report No.: PSU-QBJ2512030110RF04



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

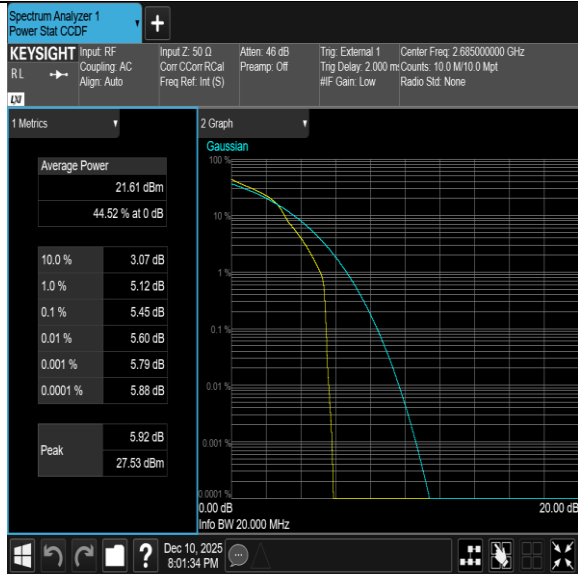
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

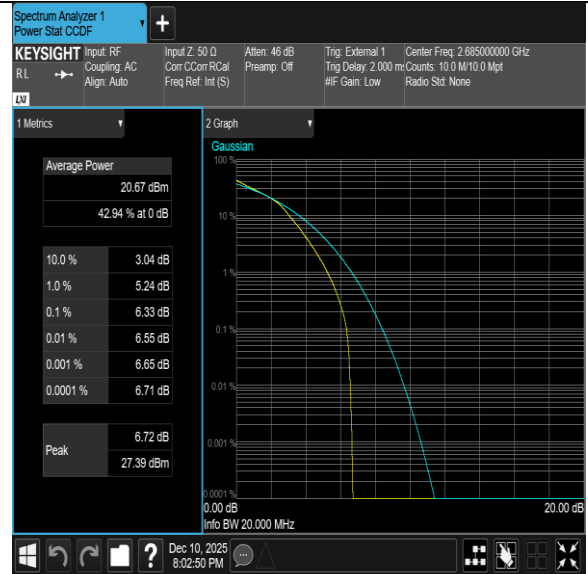


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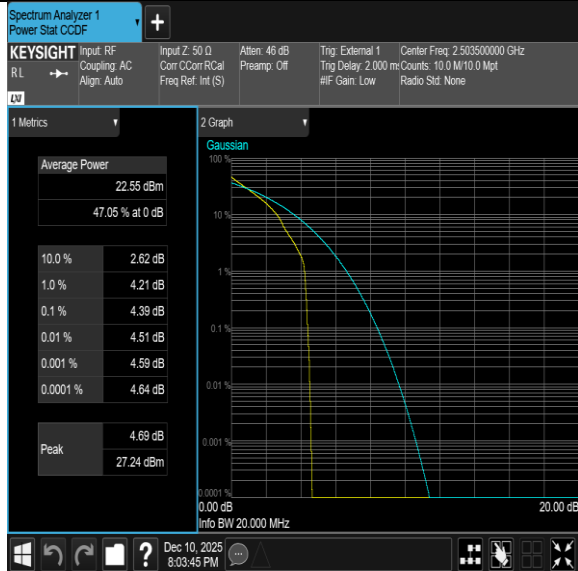
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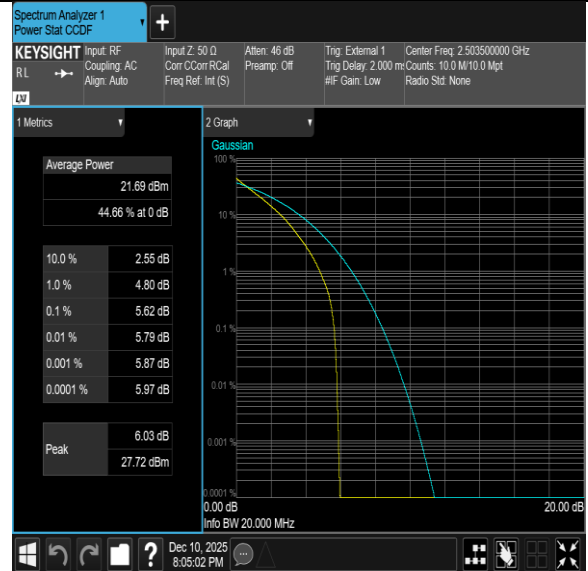
Band41-15MHz-QPSK-39725-1RB#0-PASS



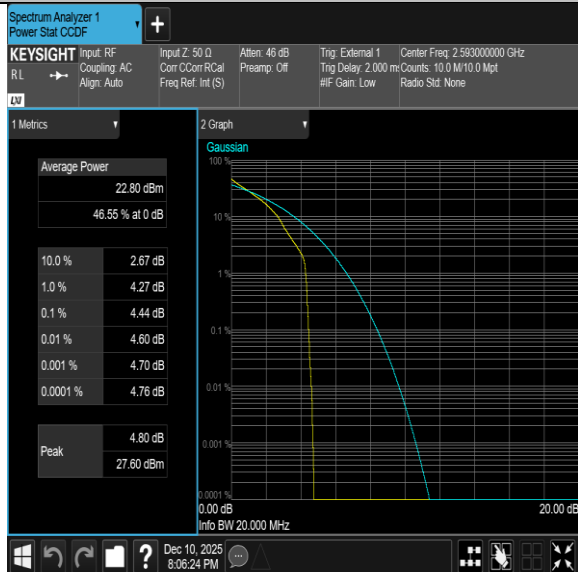
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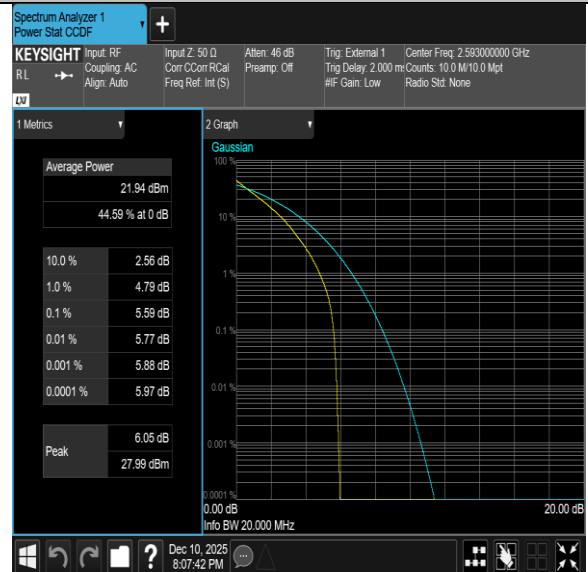
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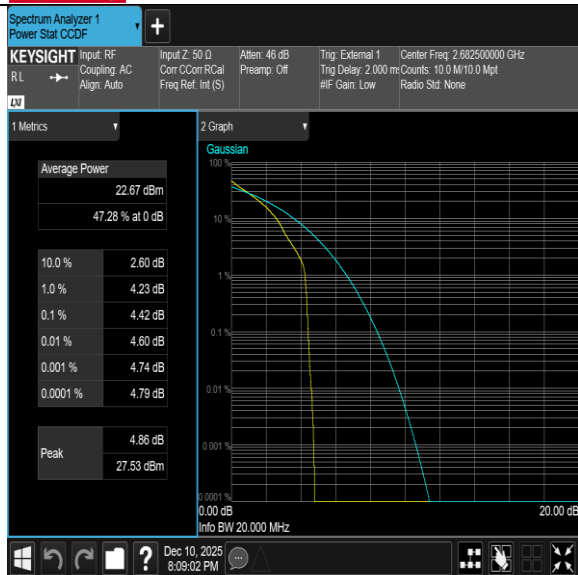
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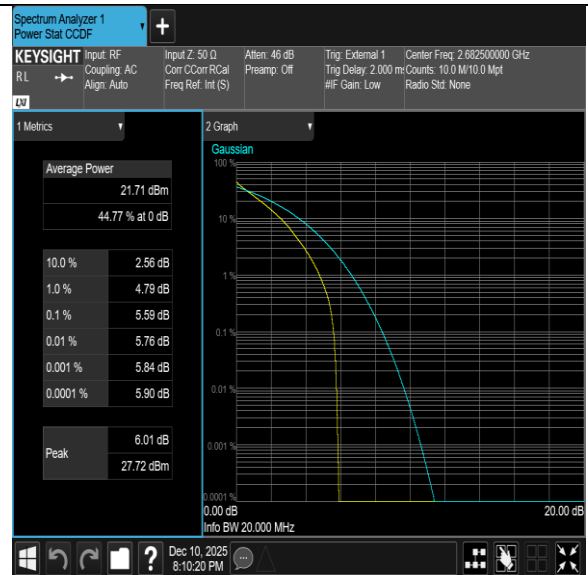
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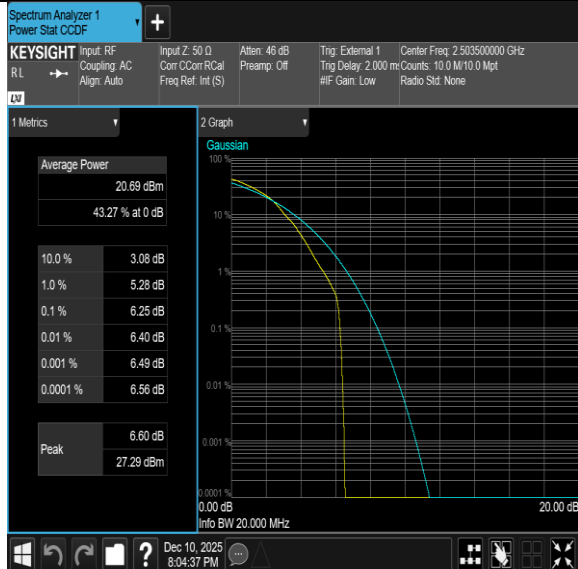
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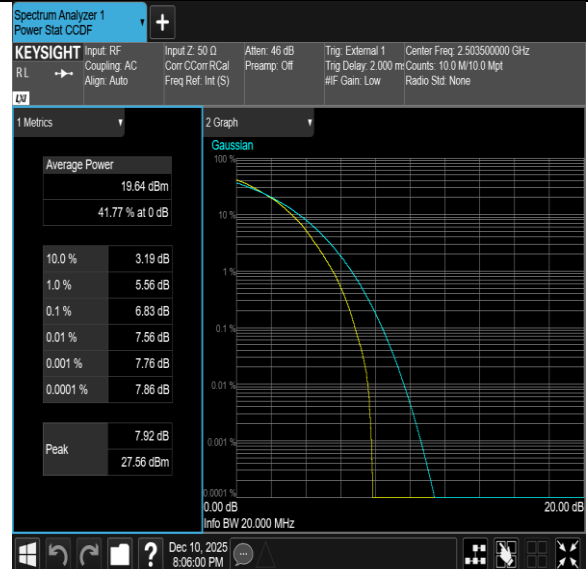
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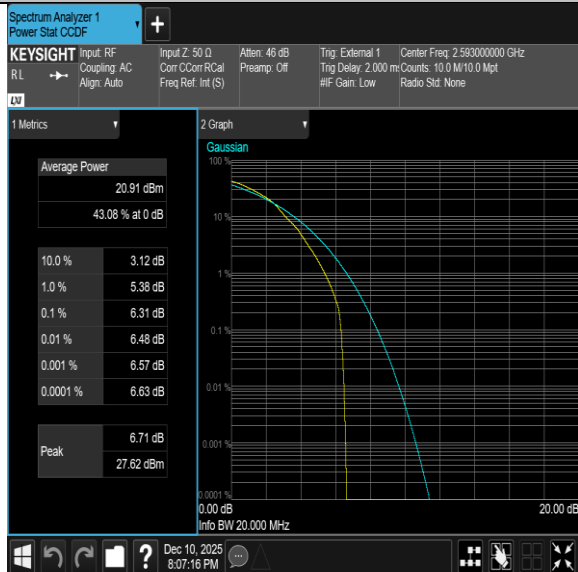
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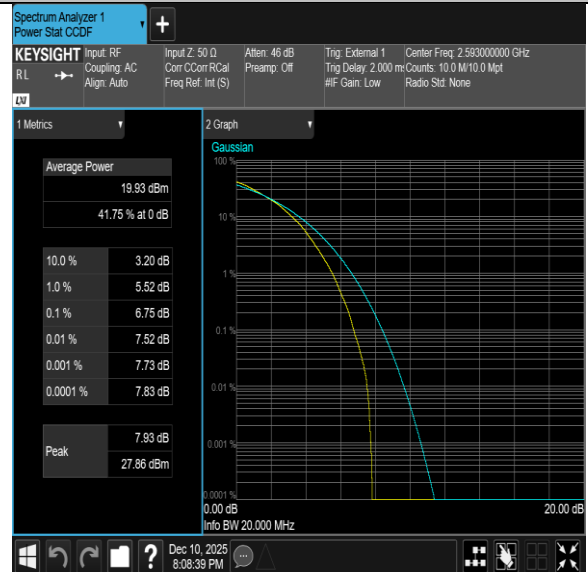
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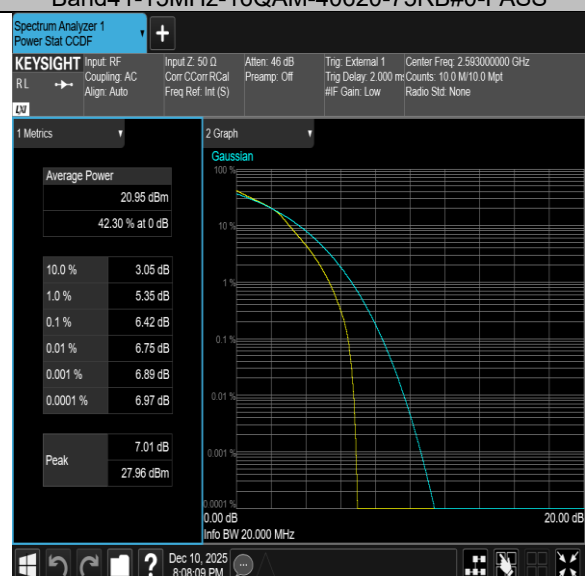
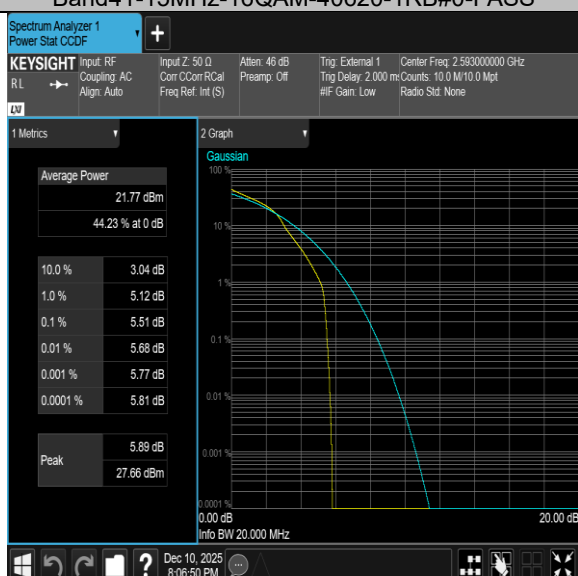
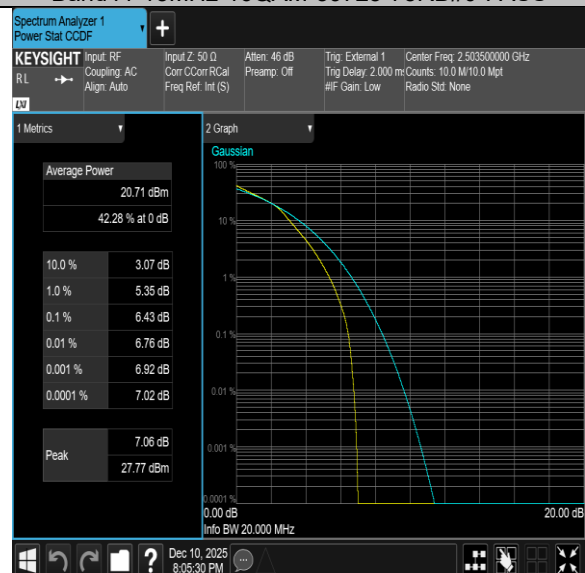
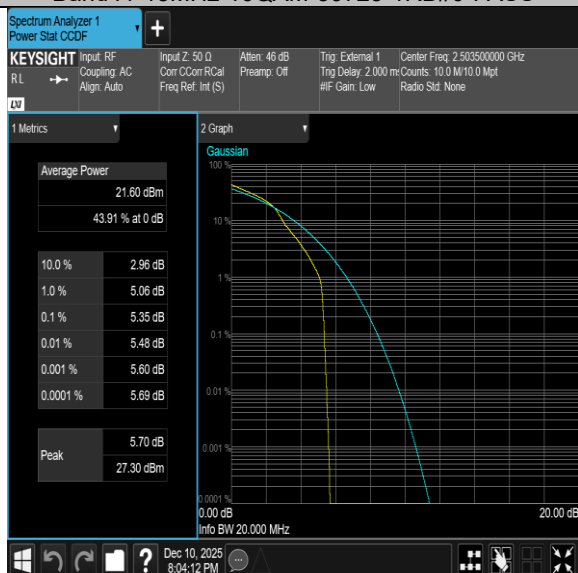
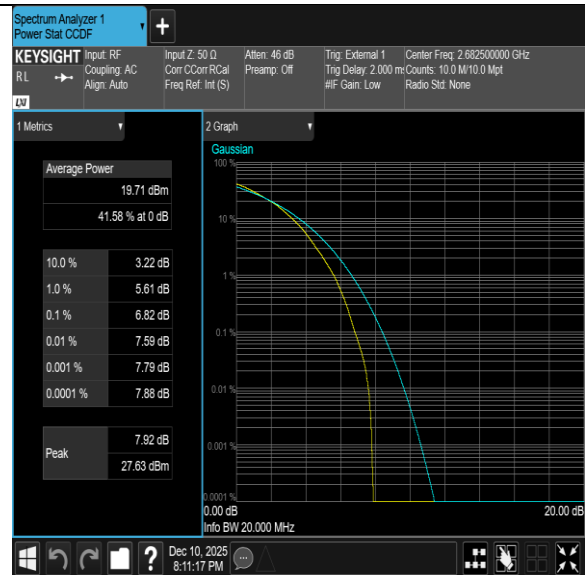
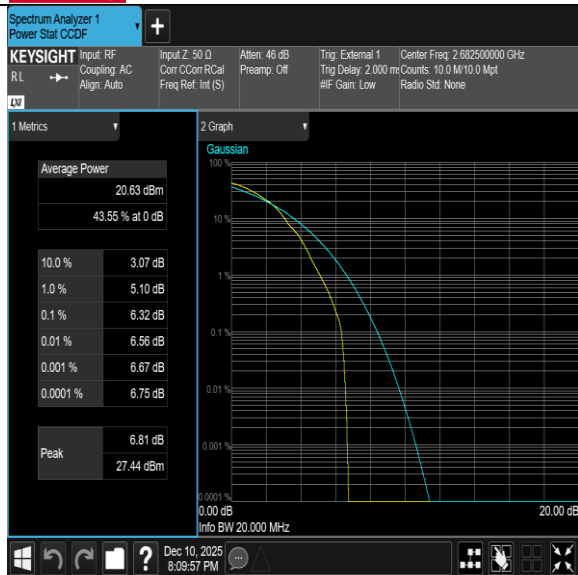
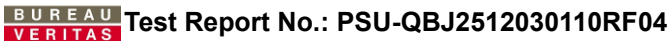
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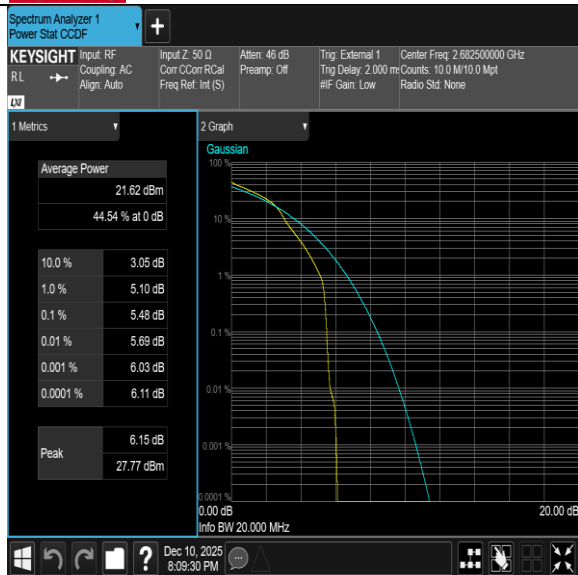


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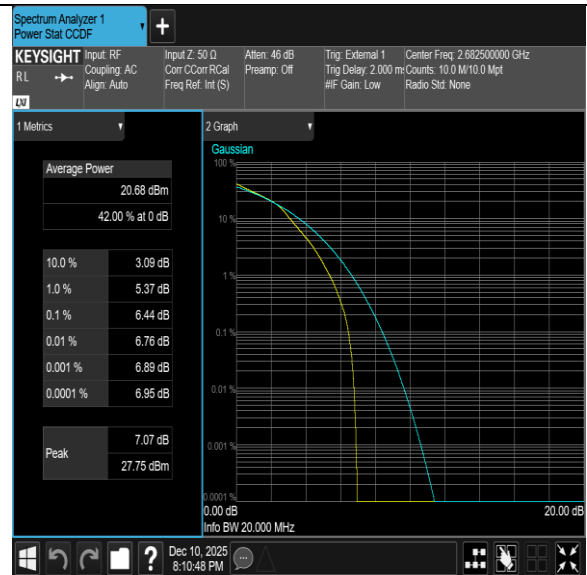




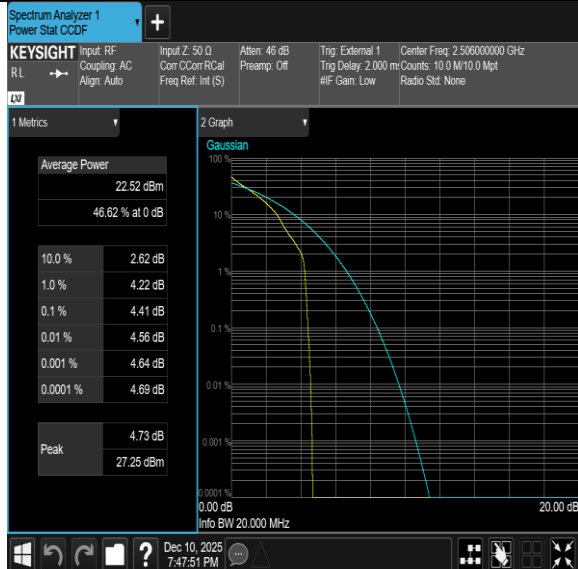
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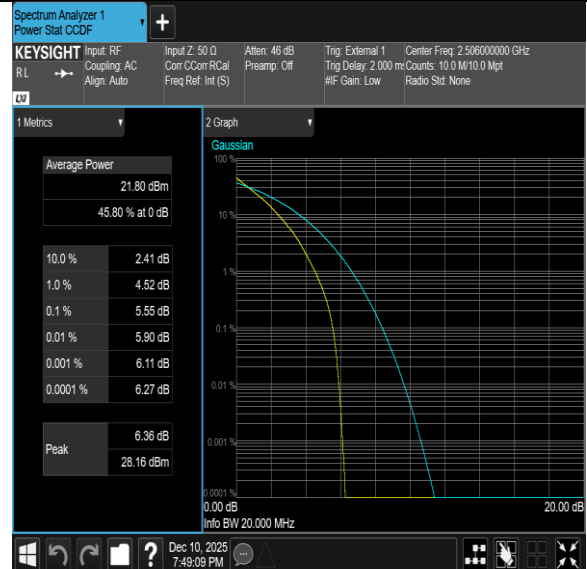
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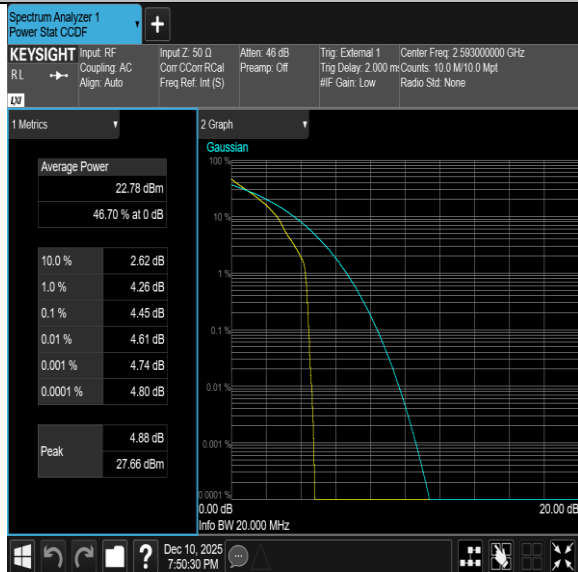
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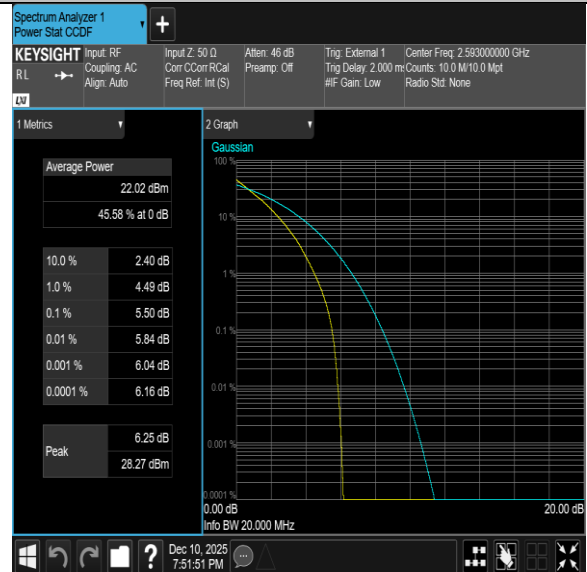
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Band41-20MHz-QPSK-40620-100RB#0-PASS



Band41-20MHz-QPSK-41490-1RB#0-PASS

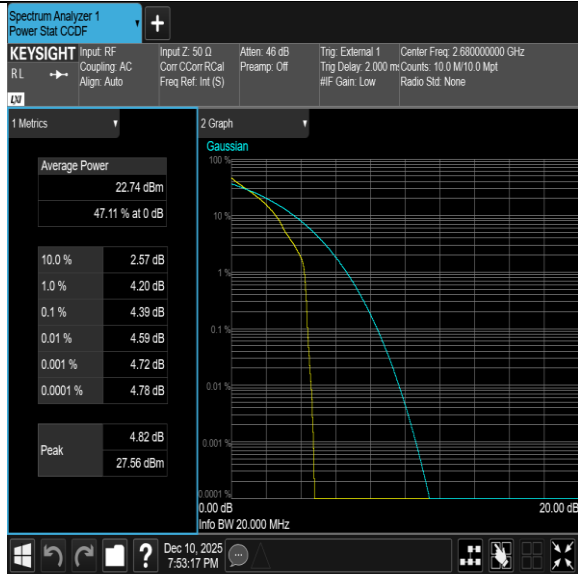


Band41-20MHz-QPSK-41490-100RB#0-PASS

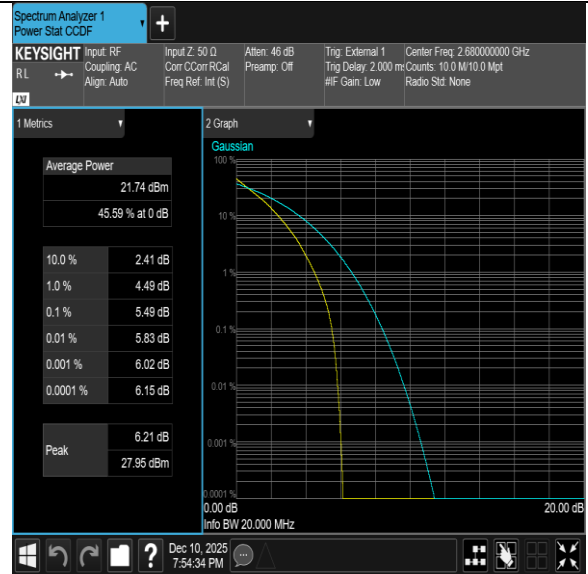


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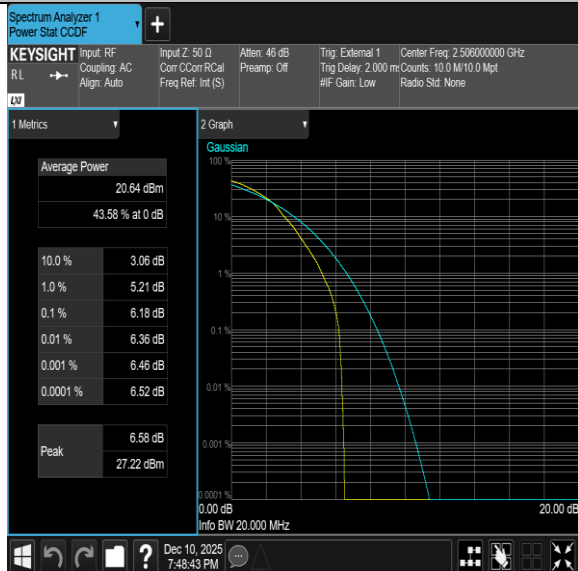
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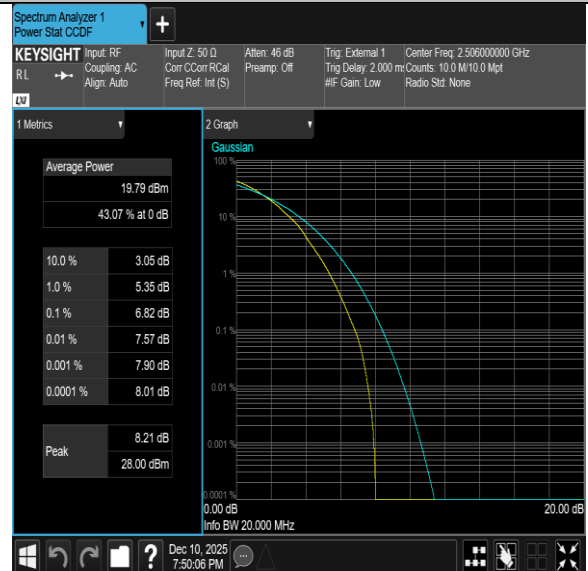
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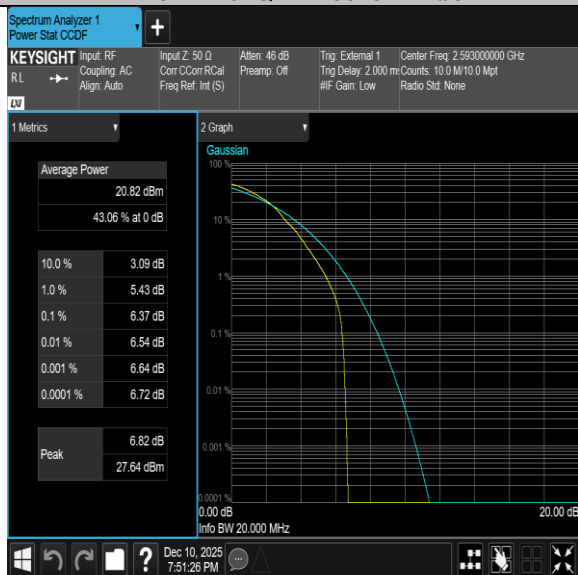
Band41-20MHz-64QAM-39750-100RB#0-PASS



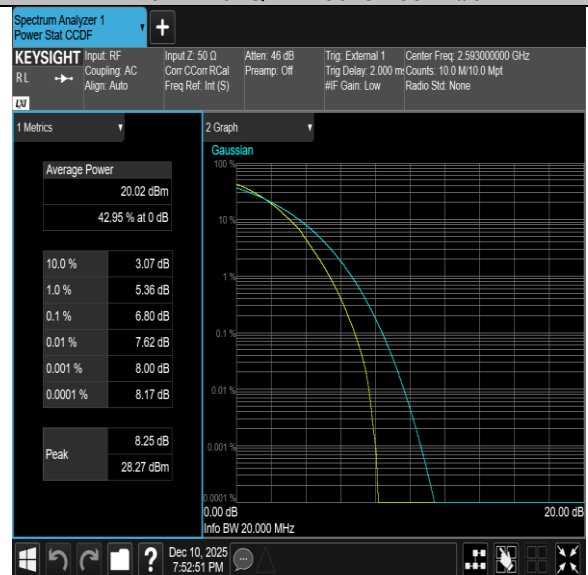
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Band41-20MHz-64QAM-40620-100RB#0-PASS



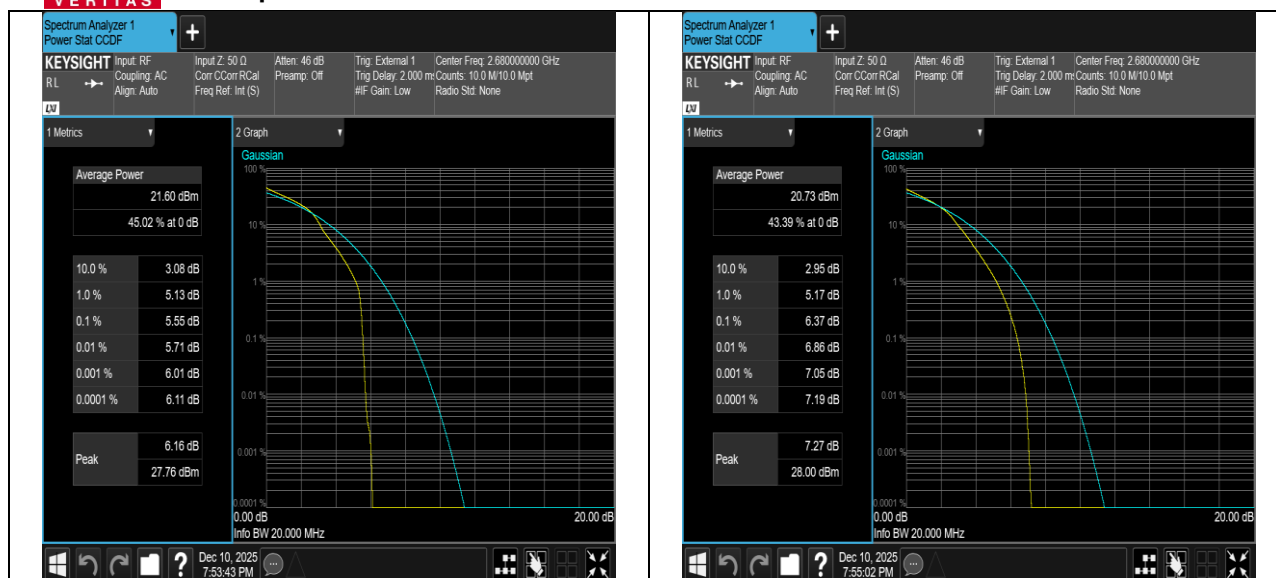
Band41-20MHz-64QAM-41490-1RB#0-PASS



Band41-20MHz-64QAM-41490-100RB#0-PASS



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26dB Bandwidth and Occupied Bandwidth

Test Result

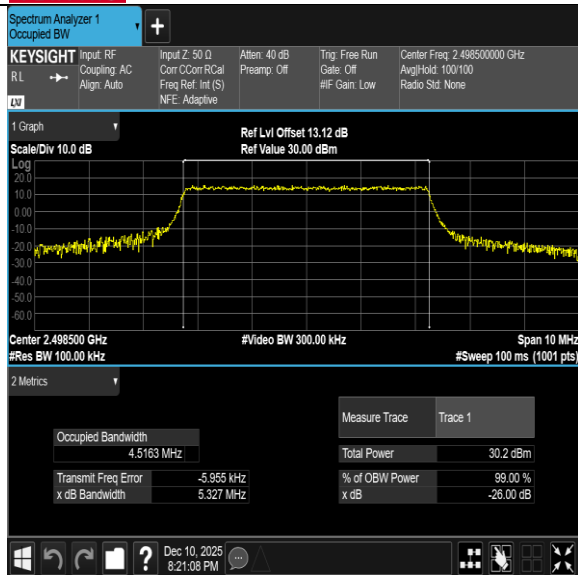
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5163	5.327	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5186	5.346	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5221	5.211	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.5205	5.170	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.5106	5.108	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.5118	5.452	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5284	5.196	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5111	5.411	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5244	5.238	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.0130	10.49	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.0151	10.78	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0040	10.61	PASS
Band41	10MHz	64QAM	39700	50RB#0	9.0109	10.67	PASS
Band41	10MHz	64QAM	40620	50RB#0	9.0010	10.45	PASS
Band41	10MHz	64QAM	41540	50RB#0	9.0062	10.71	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.0002	10.69	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0128	10.41	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9980	10.72	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.516	16.02	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.501	15.54	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.502	15.90	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.502	15.03	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.502	15.90	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.492	14.84	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.511	16.31	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.484	15.30	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.496	15.37	PASS
Band41	20MHz	QPSK	39750	100RB#0	18.018	21.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.993	21.04	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.003	20.90	PASS
Band41	20MHz	64QAM	39750	100RB#0	18.041	21.39	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.973	19.49	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.944	20.26	PASS
Band41	20MHz	16QAM	39750	100RB#0	18.035	20.70	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.965	19.66	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.989	20.42	PASS

Test Graphs

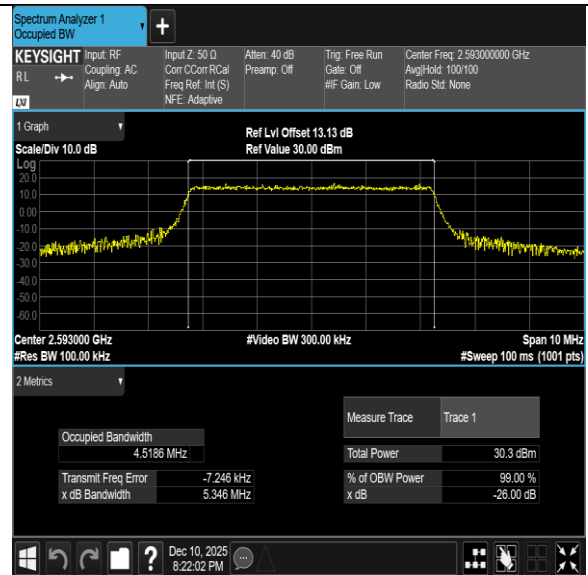
Band41-5MHz-QPSK-39675-25RB#0-PASS	Band41-5MHz-QPSK-40620-25RB#0-PASS
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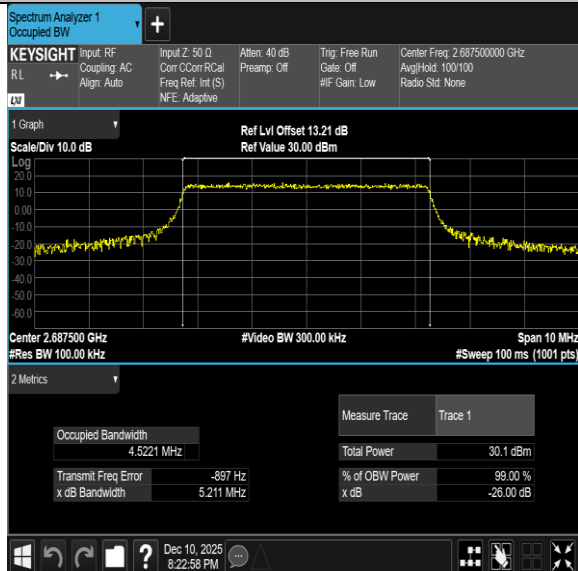
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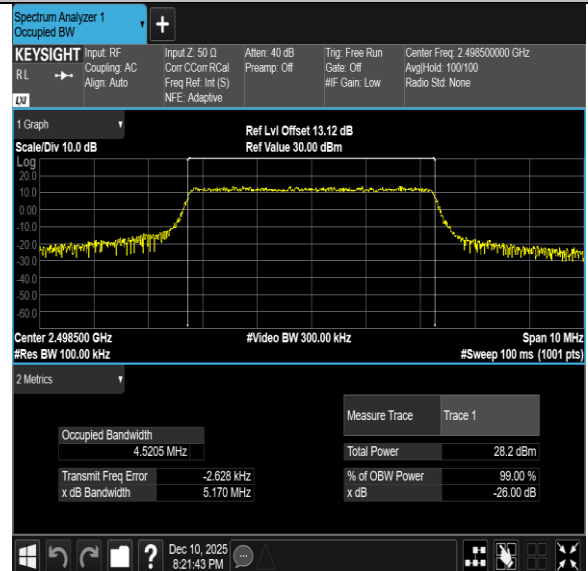
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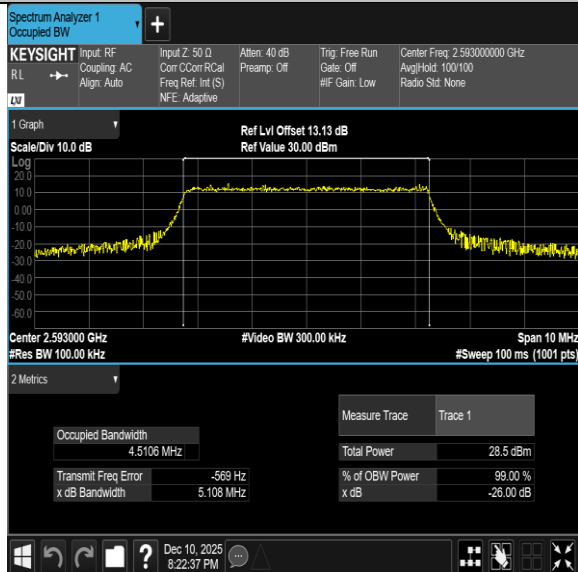
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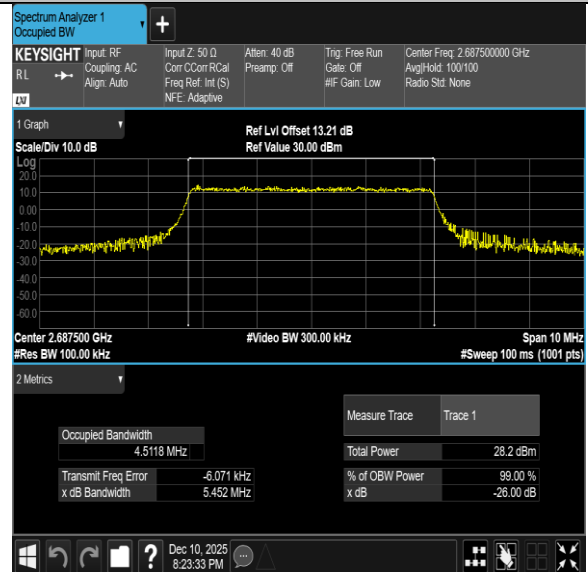
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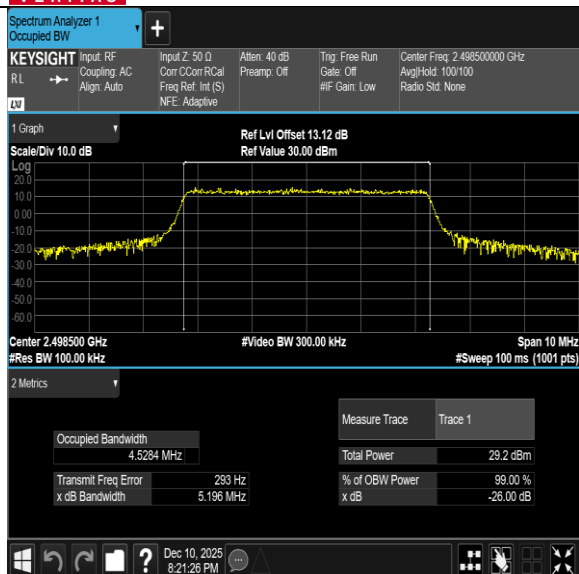
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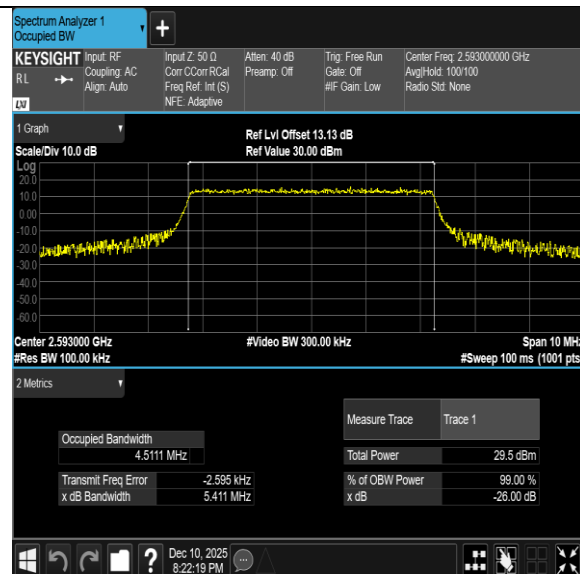
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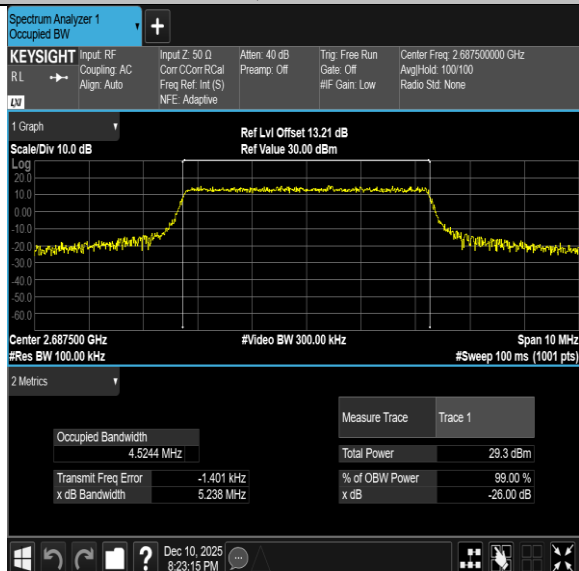
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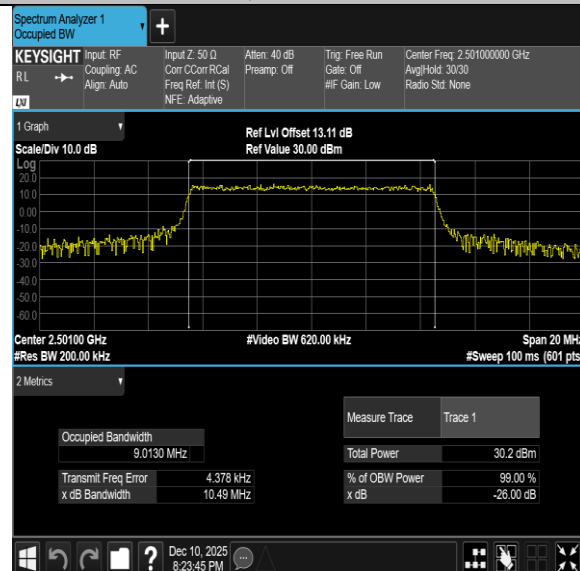
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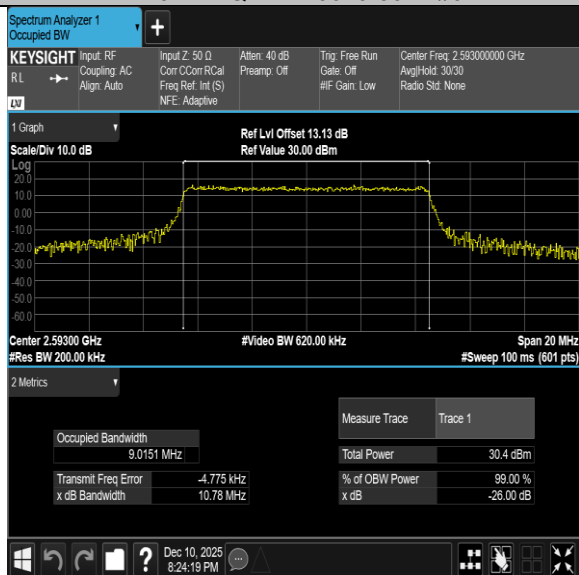
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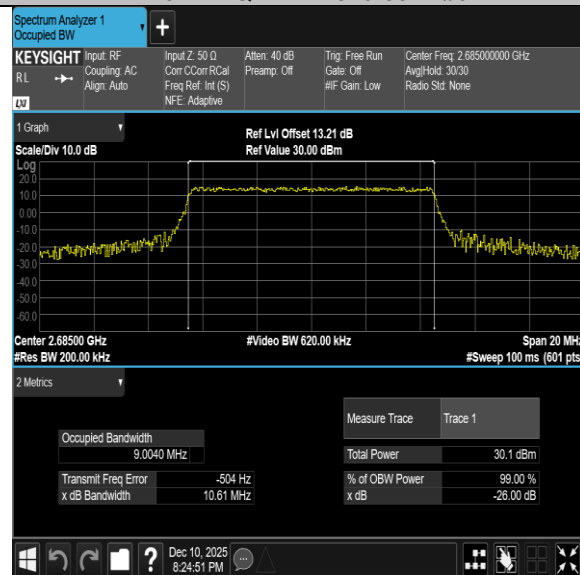
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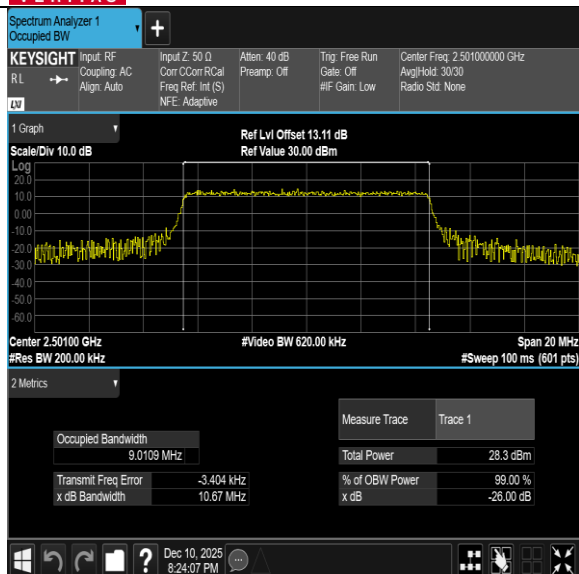
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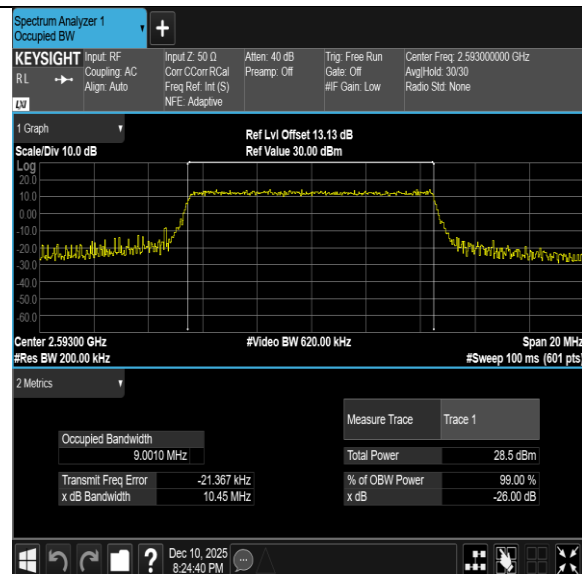
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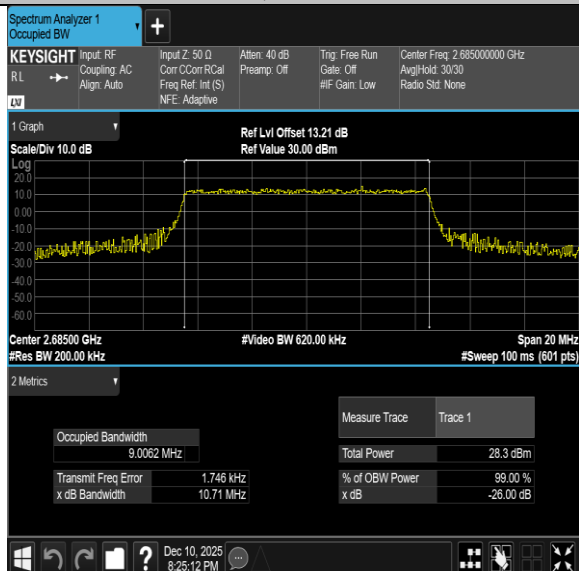
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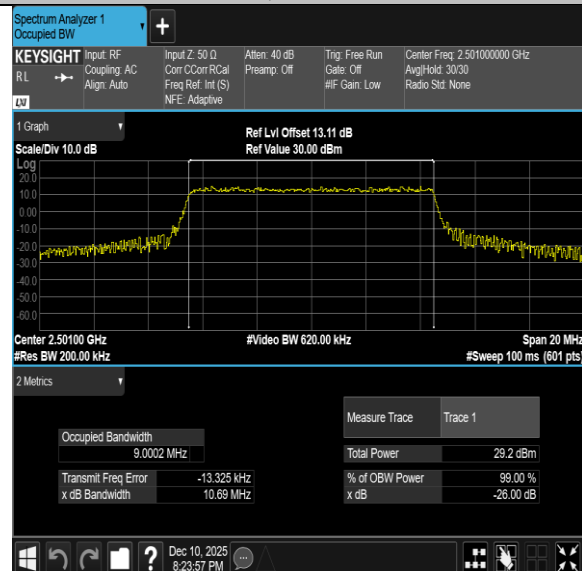
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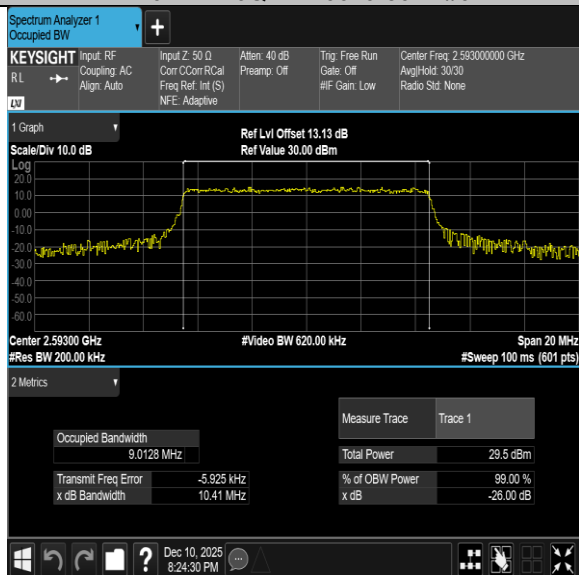
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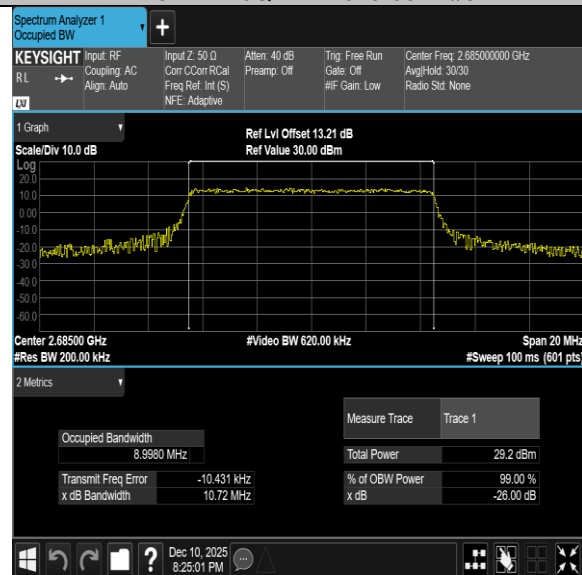
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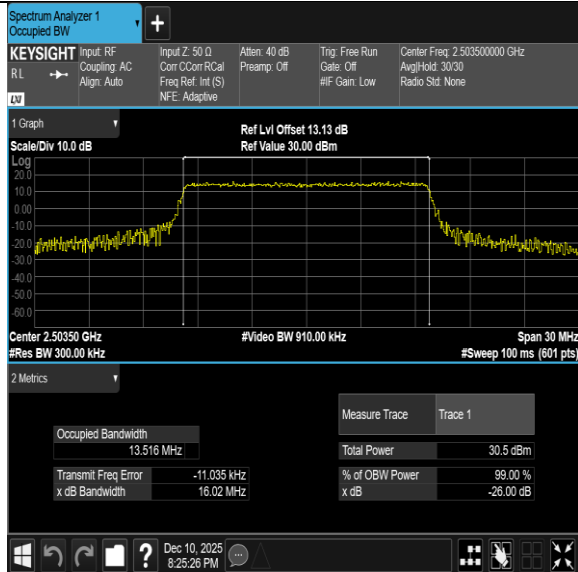
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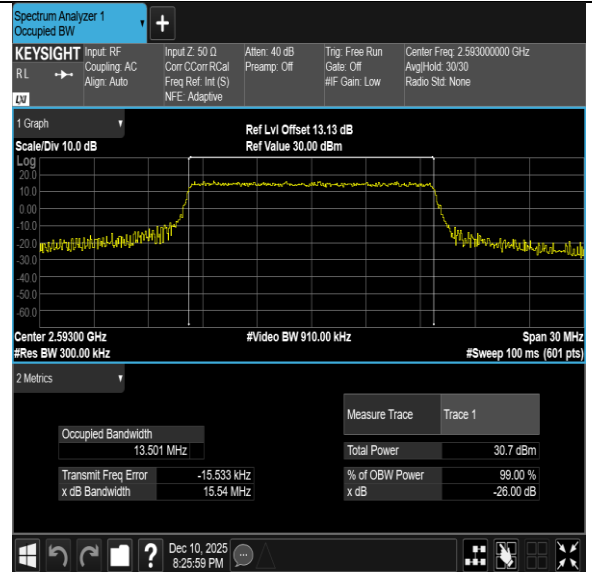
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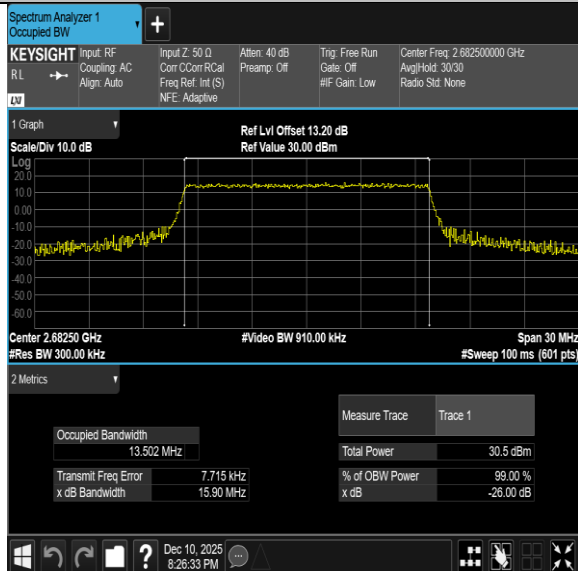
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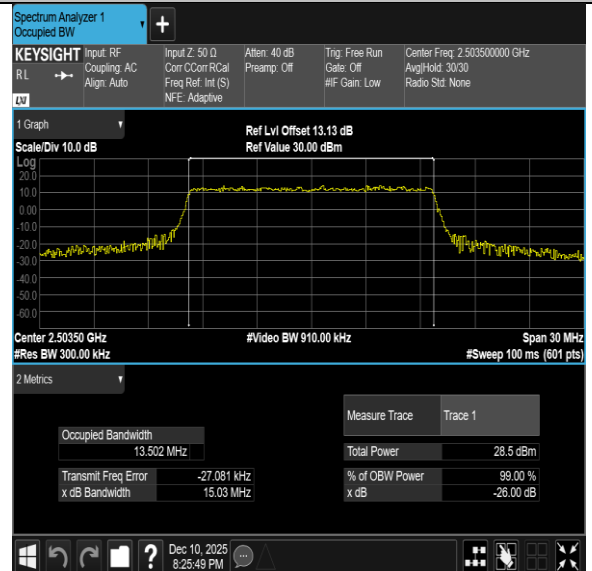
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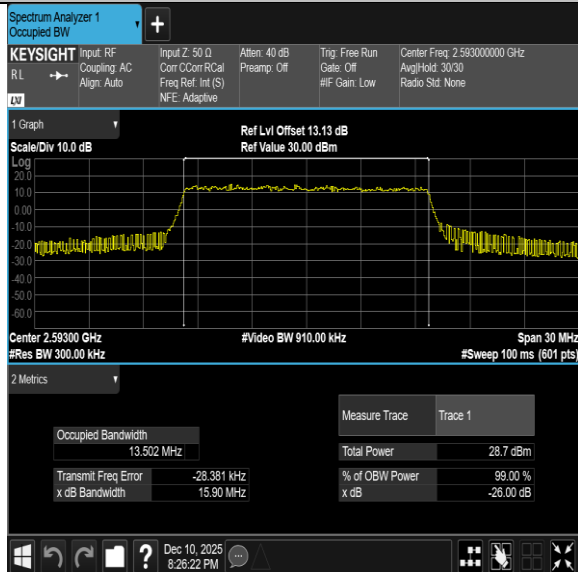
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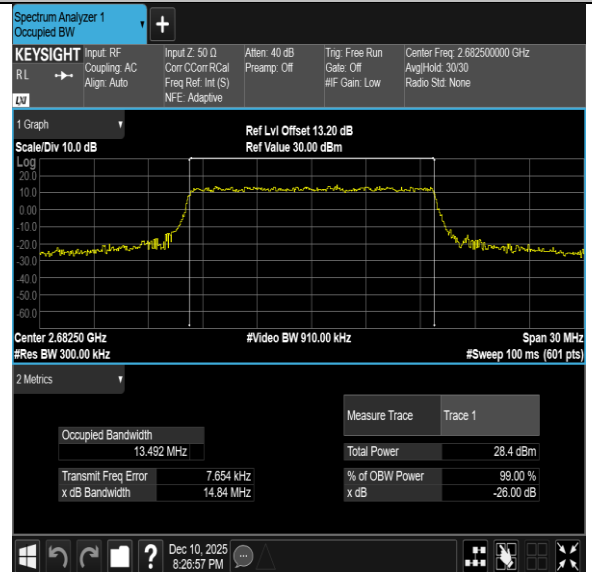
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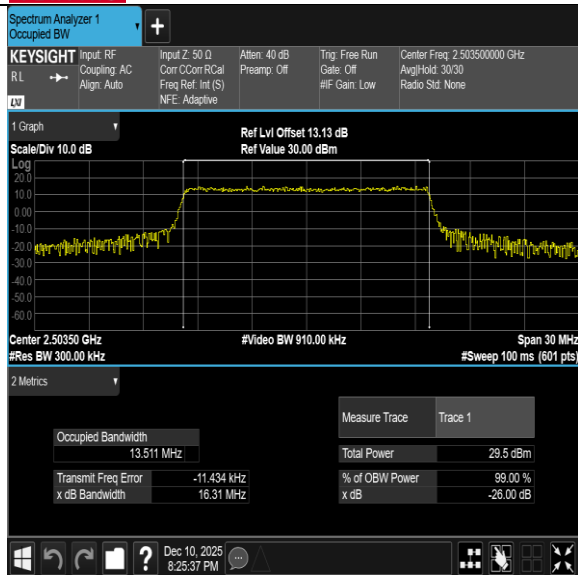
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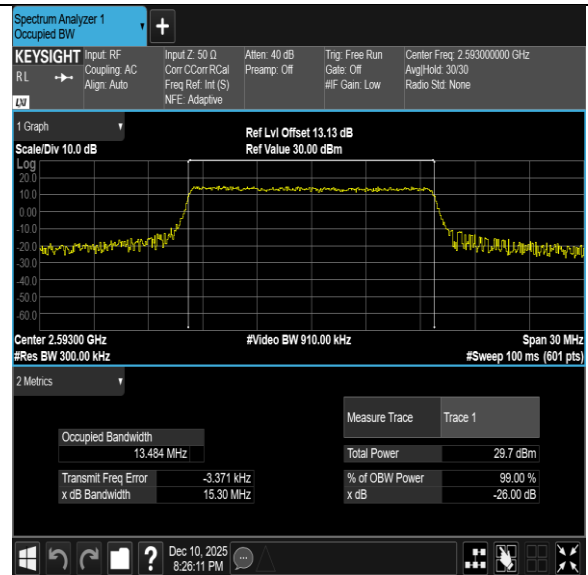
Band41-15MHz-16QAM-40620-75RB#0-PASS



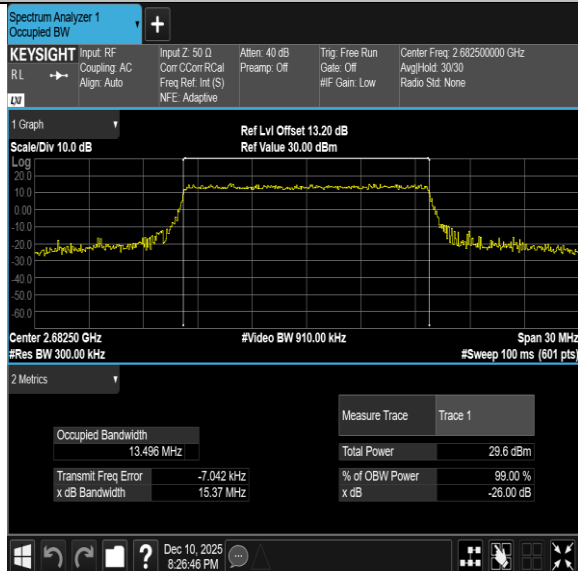
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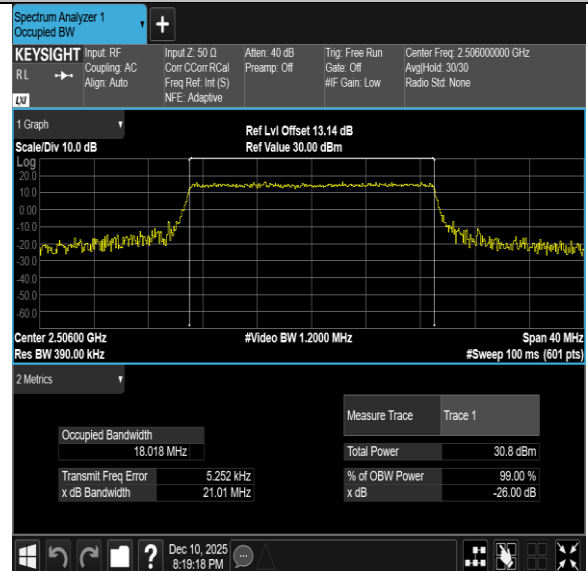
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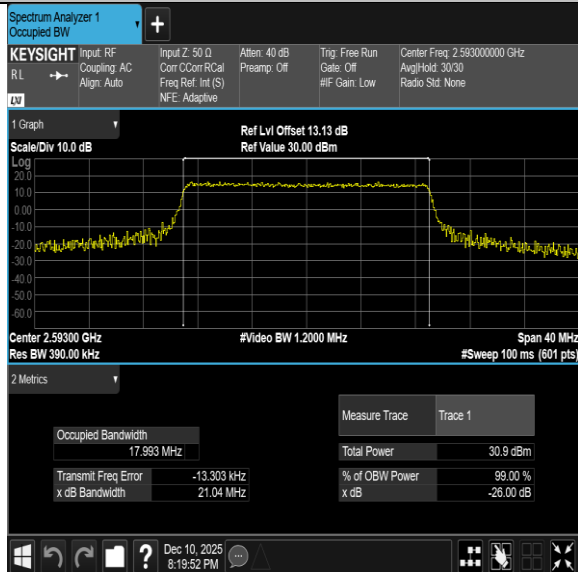
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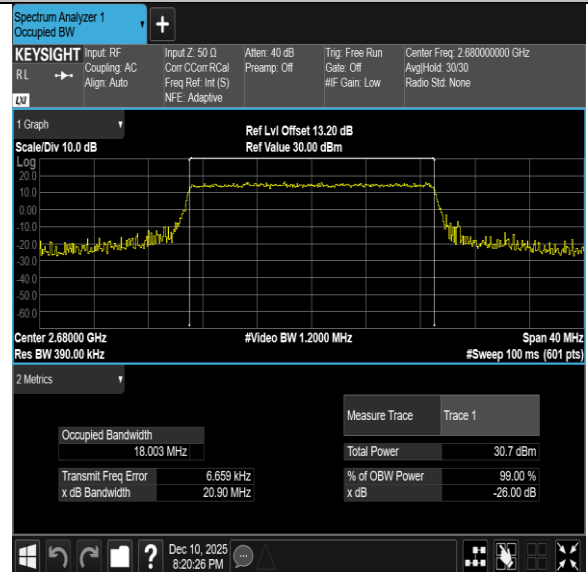
Band41-20MHz-QPSK-40620-100RB#0-PASS



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



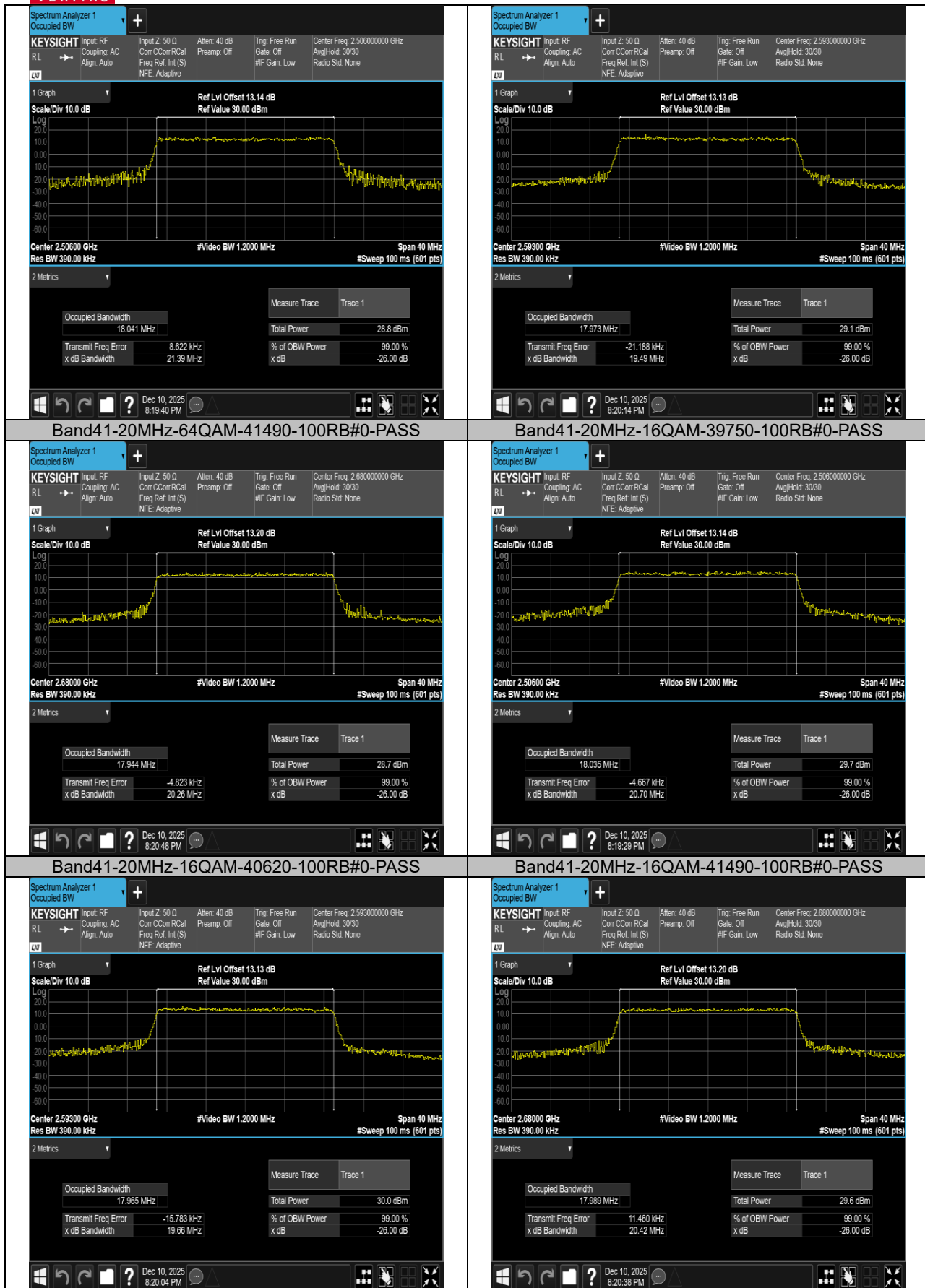
Band41-20MHz-64QAM-39750-100RB#0-PASS



Band41-20MHz-64QAM-40620-100RB#0-PASS



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Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	-19.85	PASS
Band41	5MHz	QPSK	39675	25RB#0	-33.49	PASS
Band41	5MHz	QPSK	41565	1RB#24	-17.72	PASS
Band41	5MHz	QPSK	41565	25RB#0	-34.05	PASS
Band41	5MHz	64QAM	39675	1RB#0	-23.53	PASS
Band41	5MHz	64QAM	39675	25RB#0	-36.96	PASS
Band41	5MHz	64QAM	41565	1RB#24	-22.42	PASS
Band41	5MHz	64QAM	41565	25RB#0	-36.98	PASS
Band41	5MHz	16QAM	39675	1RB#0	-21.71	PASS
Band41	5MHz	16QAM	39675	25RB#0	-34.43	PASS
Band41	5MHz	16QAM	41565	1RB#24	-19.82	PASS
Band41	5MHz	16QAM	41565	25RB#0	-35.24	PASS
Band41	10MHz	QPSK	39700	1RB#0	-23.08	PASS
Band41	10MHz	QPSK	39700	50RB#0	-29.34	PASS
Band41	10MHz	QPSK	41540	1RB#49	-23.72	PASS
Band41	10MHz	QPSK	41540	50RB#0	-33.98	PASS
Band41	10MHz	64QAM	39700	1RB#0	-28.09	PASS
Band41	10MHz	64QAM	39700	50RB#0	-31.53	PASS
Band41	10MHz	64QAM	41540	1RB#49	-26.52	PASS
Band41	10MHz	64QAM	41540	50RB#0	-37.05	PASS
Band41	10MHz	16QAM	39700	1RB#0	-24.90	PASS
Band41	10MHz	16QAM	39700	50RB#0	-30.13	PASS
Band41	10MHz	16QAM	41540	1RB#49	-25.09	PASS
Band41	10MHz	16QAM	41540	50RB#0	-35.56	PASS
Band41	15MHz	QPSK	39725	1RB#0	-22.22	PASS
Band41	15MHz	QPSK	39725	75RB#0	-28.38	PASS
Band41	15MHz	QPSK	41515	1RB#74	-21.63	PASS
Band41	15MHz	QPSK	41515	75RB#0	-33.68	PASS
Band41	15MHz	64QAM	39725	1RB#0	-26.58	PASS
Band41	15MHz	64QAM	39725	75RB#0	-30.24	PASS
Band41	15MHz	64QAM	41515	1RB#74	-22.93	PASS
Band41	15MHz	64QAM	41515	75RB#0	-37.35	PASS
Band41	15MHz	16QAM	39725	1RB#0	-23.72	PASS
Band41	15MHz	16QAM	39725	75RB#0	-28.99	PASS
Band41	15MHz	16QAM	41515	1RB#74	-22.52	PASS
Band41	15MHz	16QAM	41515	75RB#0	-35.97	PASS
Band41	20MHz	QPSK	39750	1RB#0	-20.87	PASS
Band41	20MHz	QPSK	39750	100RB#0	-30.03	PASS
Band41	20MHz	QPSK	41490	1RB#99	-22.03	PASS
Band41	20MHz	QPSK	41490	100RB#0	-37.81	PASS
Band41	20MHz	64QAM	39750	1RB#0	-24.66	PASS
Band41	20MHz	64QAM	39750	100RB#0	-31.14	PASS
Band41	20MHz	64QAM	41490	1RB#99	-24.79	PASS
Band41	20MHz	64QAM	41490	100RB#0	-39.06	PASS
Band41	20MHz	16QAM	39750	1RB#0	-22.97	PASS
Band41	20MHz	16QAM	39750	100RB#0	-29.69	PASS
Band41	20MHz	16QAM	41490	1RB#99	-23.46	PASS
Band41	20MHz	16QAM	41490	100RB#0	-37.87	PASS

Test Graphs

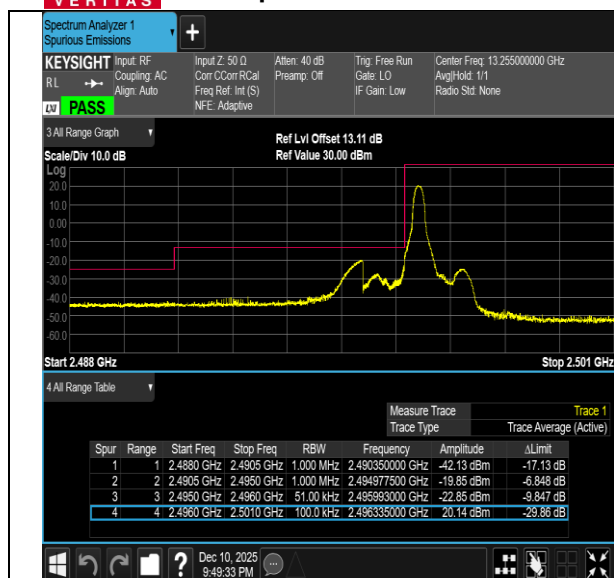
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Band41-5MHz-QPSK-39675-25RB#0-PASS

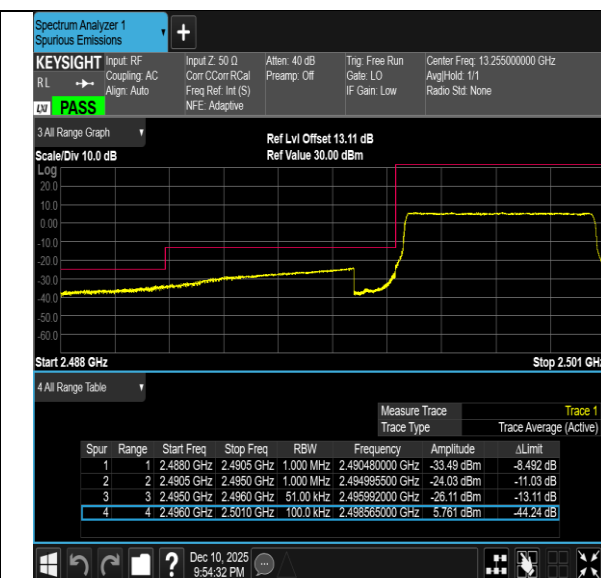


BUREAU
VERITAS

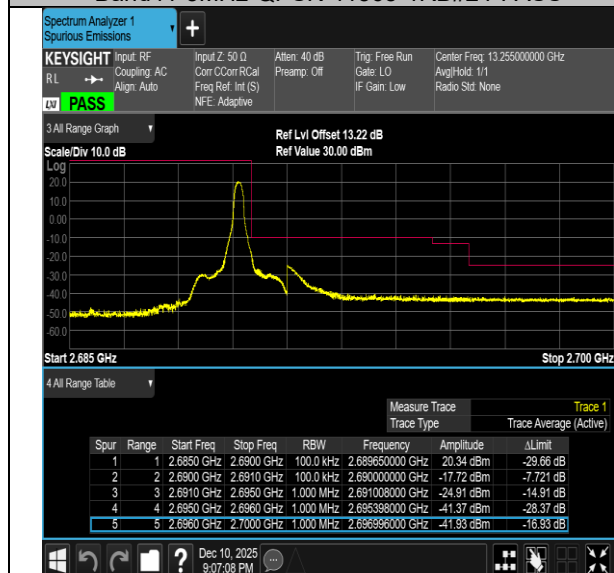
Test Report No.: PSU-QBJ2512030110RF04



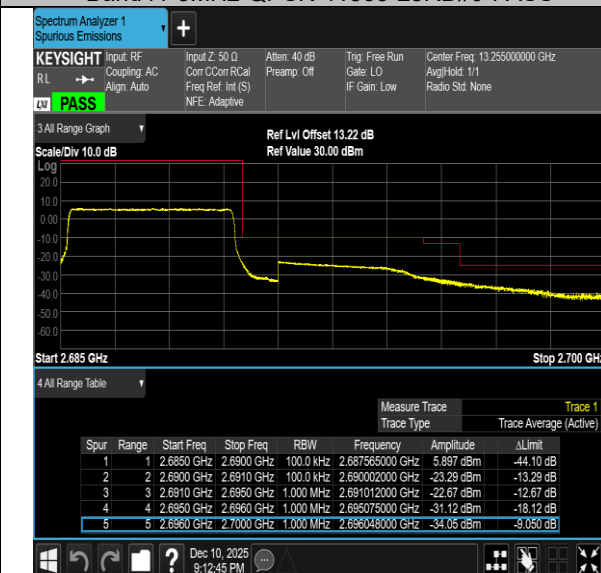
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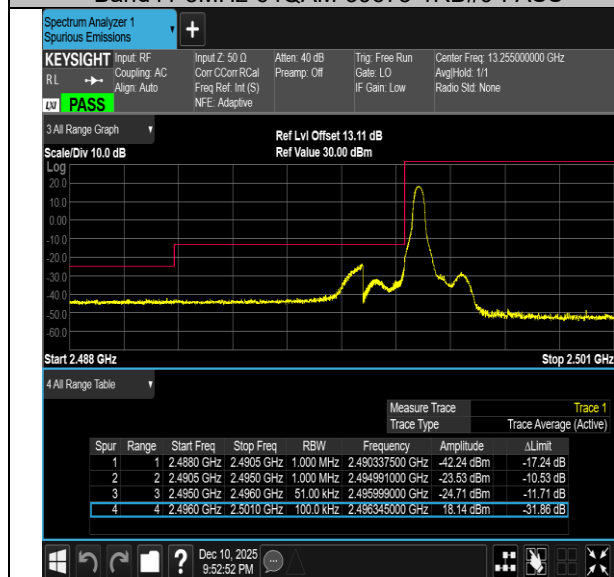
Band41-5MHz-QPSK-41565-25RB#0-PASS



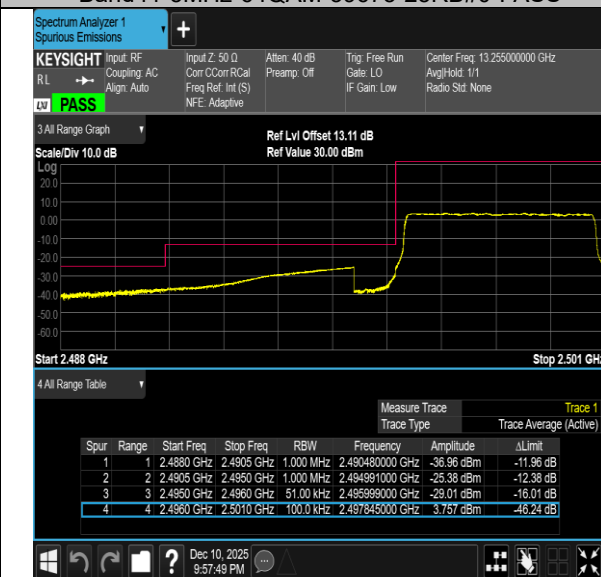
Band41-5MHz-64QAM-39675-1RB#0-PASS



Band41-5MHz-64QAM-39675-25RB#0-PASS



Band41-5MHz-64QAM-41565-1RB#24-PASS



Band41-5MHz-64QAM-41565-25RB#0-PASS

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