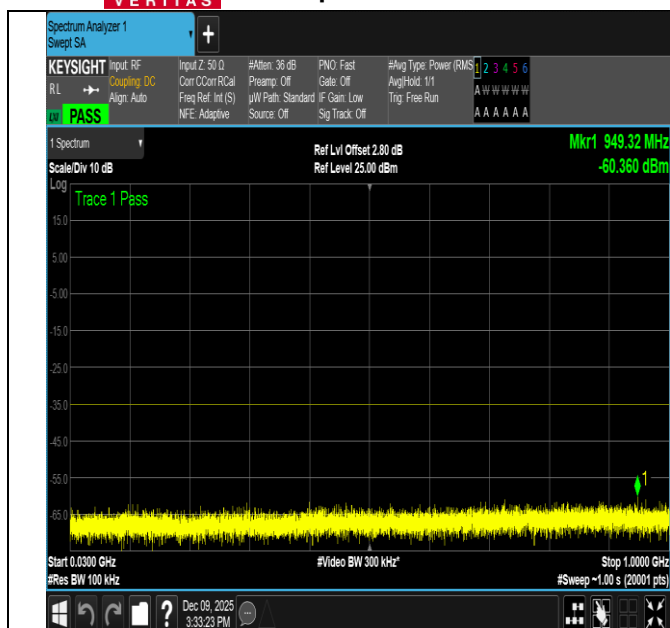
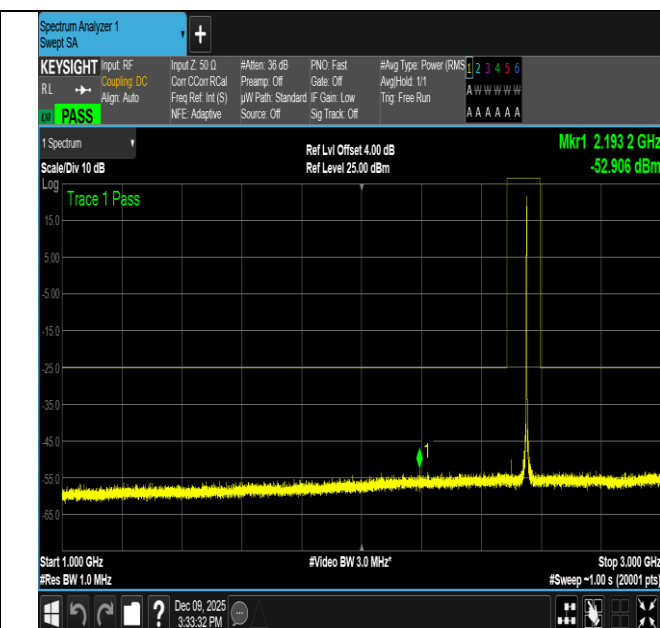
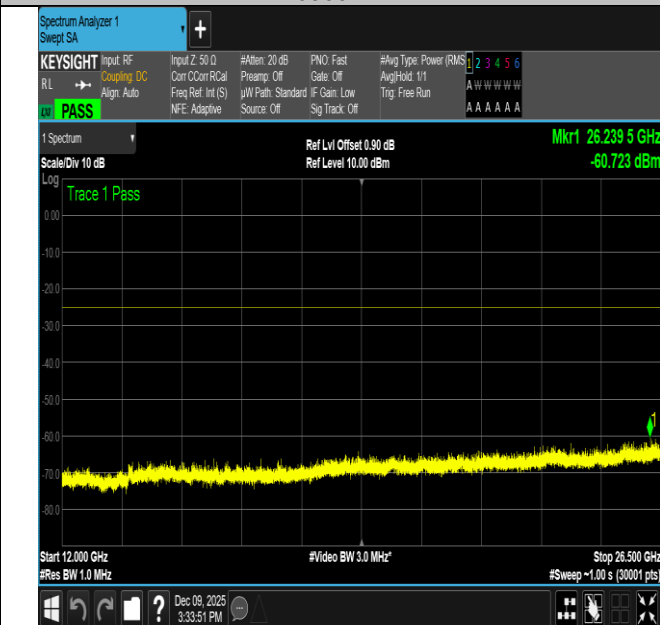
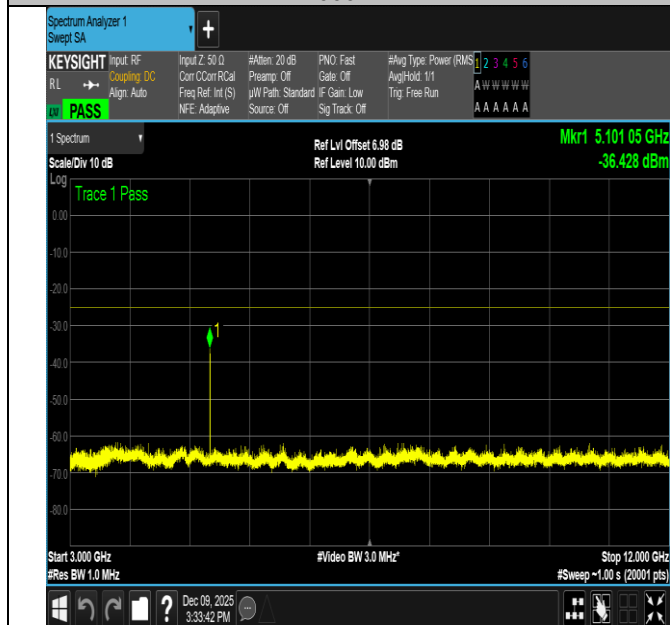




NTNV-n7-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-3000-12000-PASS



NTNV-n7-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-12000-26500-PASS





Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage (V)	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
n7	15	10	DFT-QPSK	L	Outer_Full	VL	NT	-4.148	-0.001656	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	VN	NT	-2.355	-0.00094	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	VH	NT	-3.926	-0.001567	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	VL	NT	0.716	0.000279	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	VN	NT	1.117	0.000435	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	VH	NT	0.298	0.000116	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Voltage	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
n7	15	10	DFT-QPSK	L	Outer_Full	NV	-30	-3.941	-0.001573	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	NV	-20	-3.734	-0.001491	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	NV	-10	-0.884	-0.000353	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	NV	0	-1.897	-0.000757	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	NV	10	-6.89	-0.00275	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	NV	20	-5.792	-0.002312	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	NV	30	-3.478	-0.001388	PASS
n7	15	10	DFT-QPSK	L	Outer_Full	NV	40	-4.574	-0.001826	PASS



n7	15	10	DFT-QPSK	L	Outer_Full	NV	50	-2.425	- 0.000968	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	-30	-0.228	-8.9E-05	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	-20	-5.96	- 0.002324	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	-10	-6.344	- 0.002473	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	0	-3.55	- 0.001384	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	10	-0.803	- 0.000313	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	20	-2.058	- 0.000802	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	30	-1.707	- 0.000665	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	40	-4.925	- 0.00192	PASS
n7	15	10	DFT-QPSK	H	Outer_Full	NV	50	-4.75	- 0.001852	PASS



FCC-SA-N12

Peak-to-Average Ratio for SA

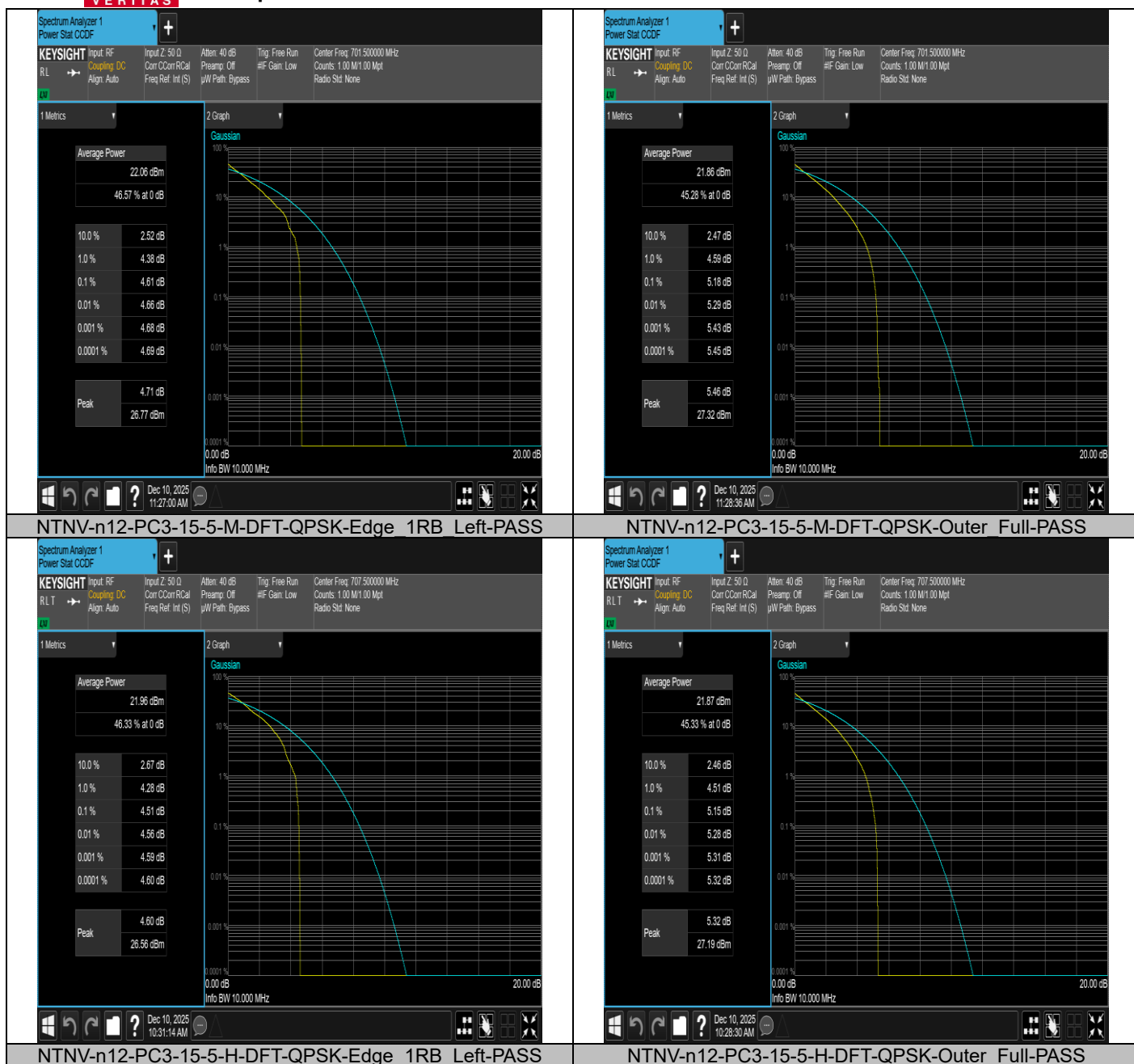
Peak-to-Average Ratio(CCDF)

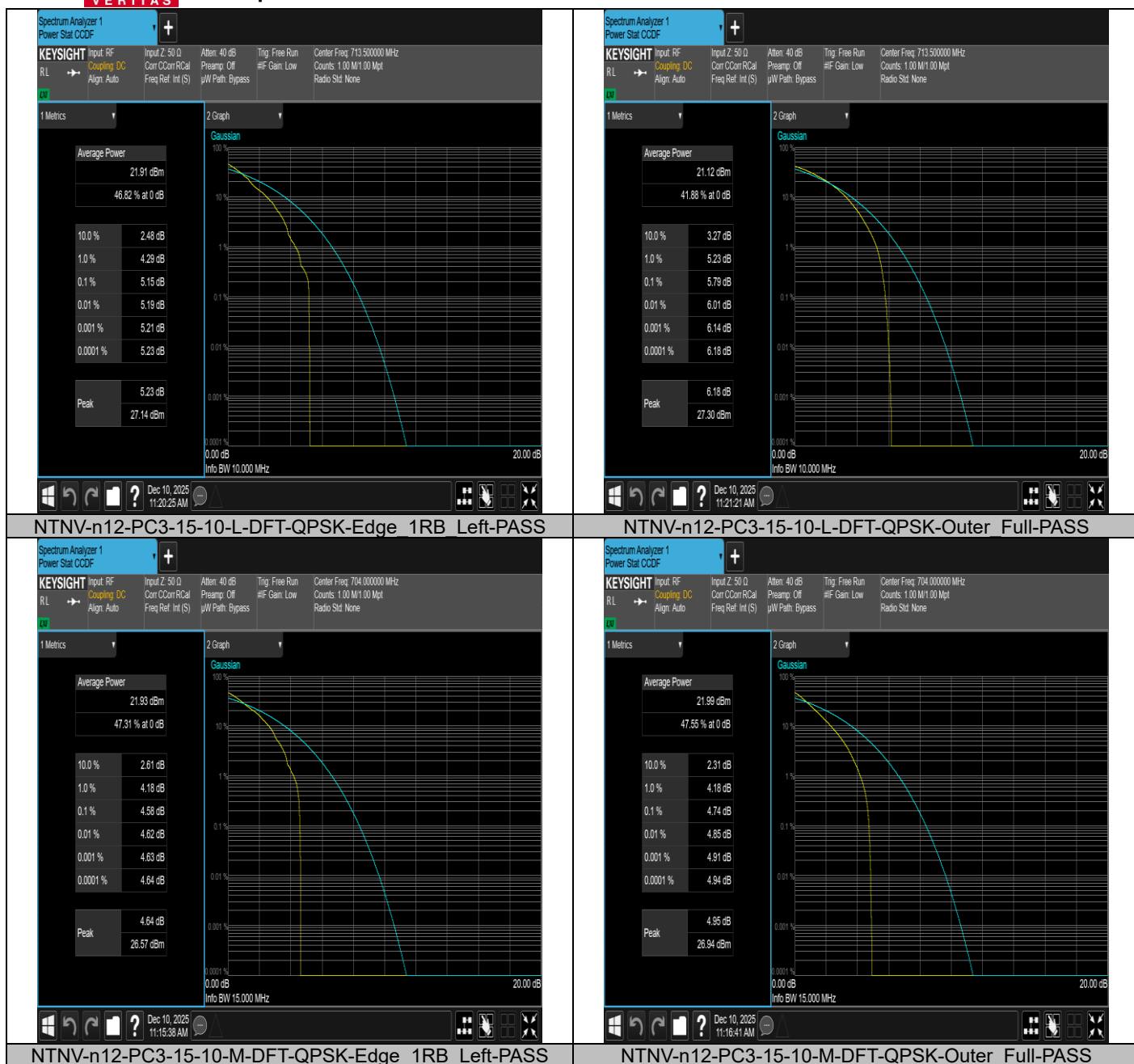
Test Result

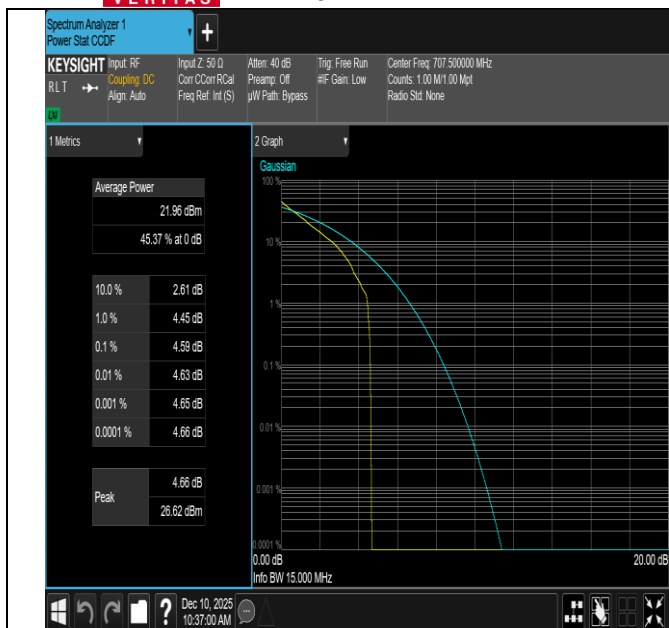
Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dB)	Limit	Verdict
n12	15	5	DFT-QPSK	L	Edge 1RB Left	4.61	≤13dB	PASS
n12	15	5	DFT-QPSK	L	Outer Full	5.18	≤13dB	PASS
n12	15	5	DFT-QPSK	M	Edge 1RB Left	4.51	≤13dB	PASS
n12	15	5	DFT-QPSK	M	Outer Full	5.15	≤13dB	PASS
n12	15	5	DFT-QPSK	H	Edge 1RB Left	5.15	≤13dB	PASS
n12	15	5	DFT-QPSK	H	Outer Full	5.79	≤13dB	PASS
n12	15	10	DFT-QPSK	L	Edge 1RB Left	4.58	≤13dB	PASS
n12	15	10	DFT-QPSK	L	Outer Full	4.74	≤13dB	PASS
n12	15	10	DFT-QPSK	M	Edge 1RB Left	4.59	≤13dB	PASS
n12	15	10	DFT-QPSK	M	Outer Full	4.84	≤13dB	PASS
n12	15	10	DFT-QPSK	H	Edge 1RB Left	4.84	≤13dB	PASS
n12	15	10	DFT-QPSK	H	Outer Full	4.67	≤13dB	PASS
n12	15	15	DFT-QPSK	L	Edge 1RB Left	4.63	≤13dB	PASS
n12	15	15	DFT-QPSK	L	Outer Full	4.46	≤13dB	PASS
n12	15	15	DFT-QPSK	M	Edge 1RB Left	4.87	≤13dB	PASS
n12	15	15	DFT-QPSK	M	Outer Full	4.68	≤13dB	PASS
n12	15	15	DFT-QPSK	H	Edge 1RB Left	4.32	≤13dB	PASS
n12	15	15	DFT-QPSK	H	Outer Full	4.65	≤13dB	PASS

Test Graphs

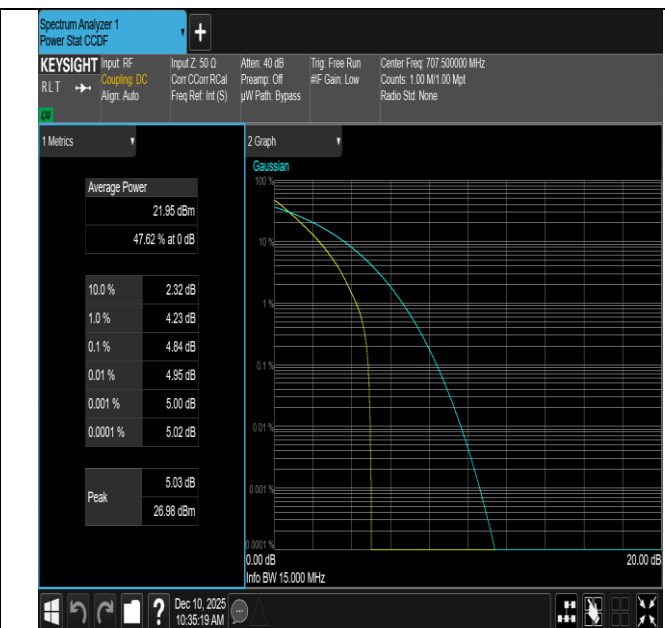
NTNV-n12-PC3-15-5-L-DFT-QPSK-Edge 1RB Left-PASS	NTNV-n12-PC3-15-5-L-DFT-QPSK-Outer Full-PASS
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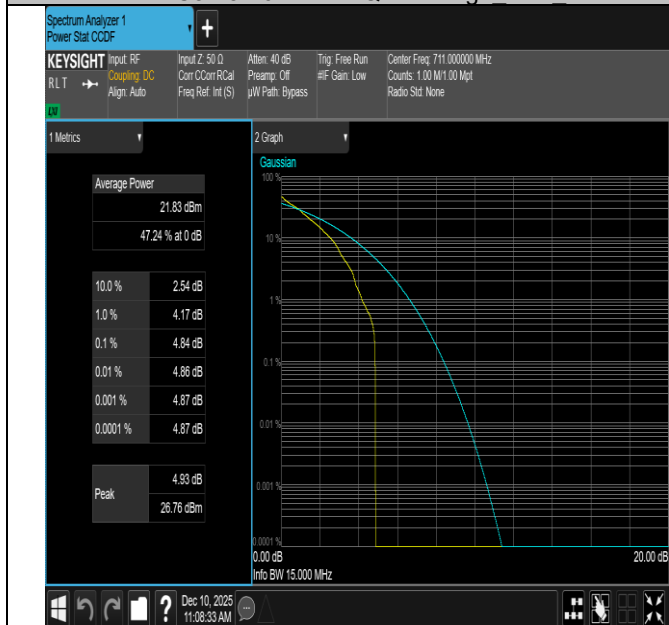




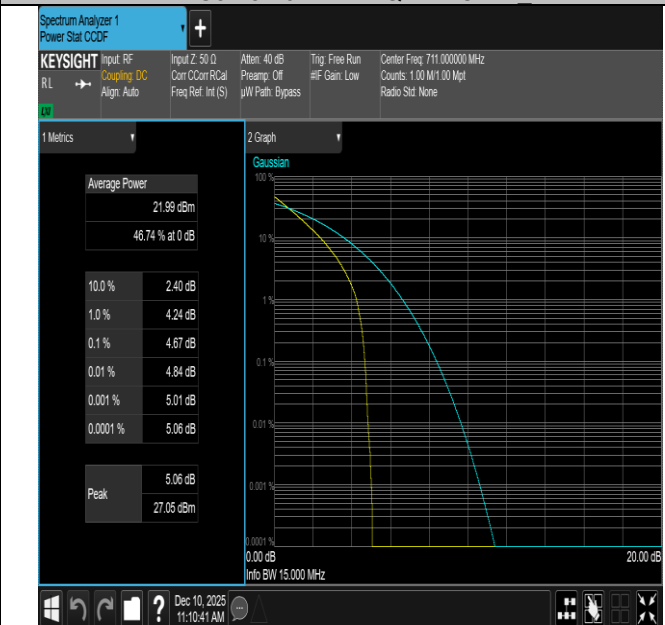
NTNV-n12-PC3-15-10-H-DFT-QPSK-Edge 1RB Left-PASS



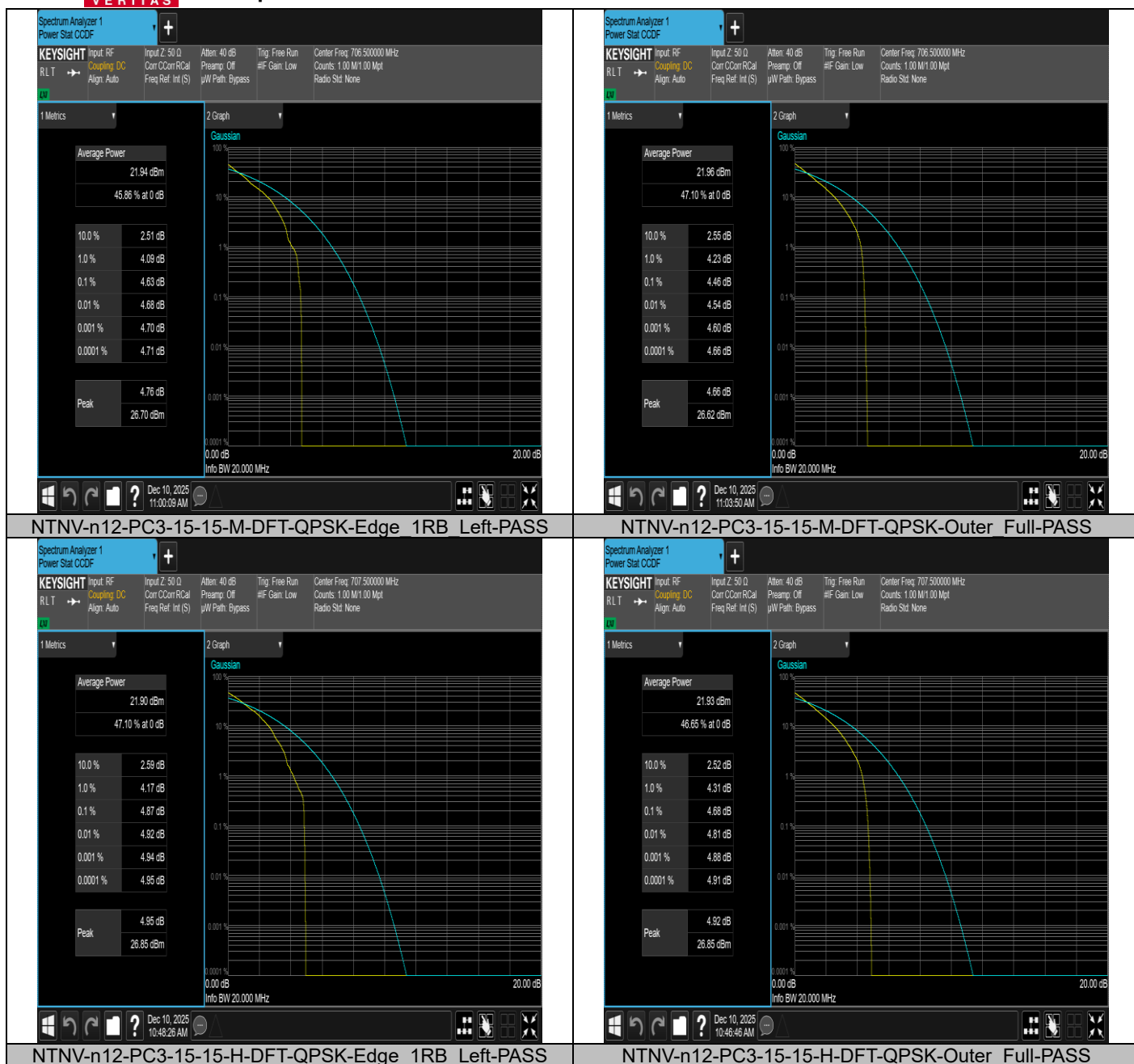
NTNV-n12-PC3-15-10-H-DFT-QPSK-Outer Full-PASS

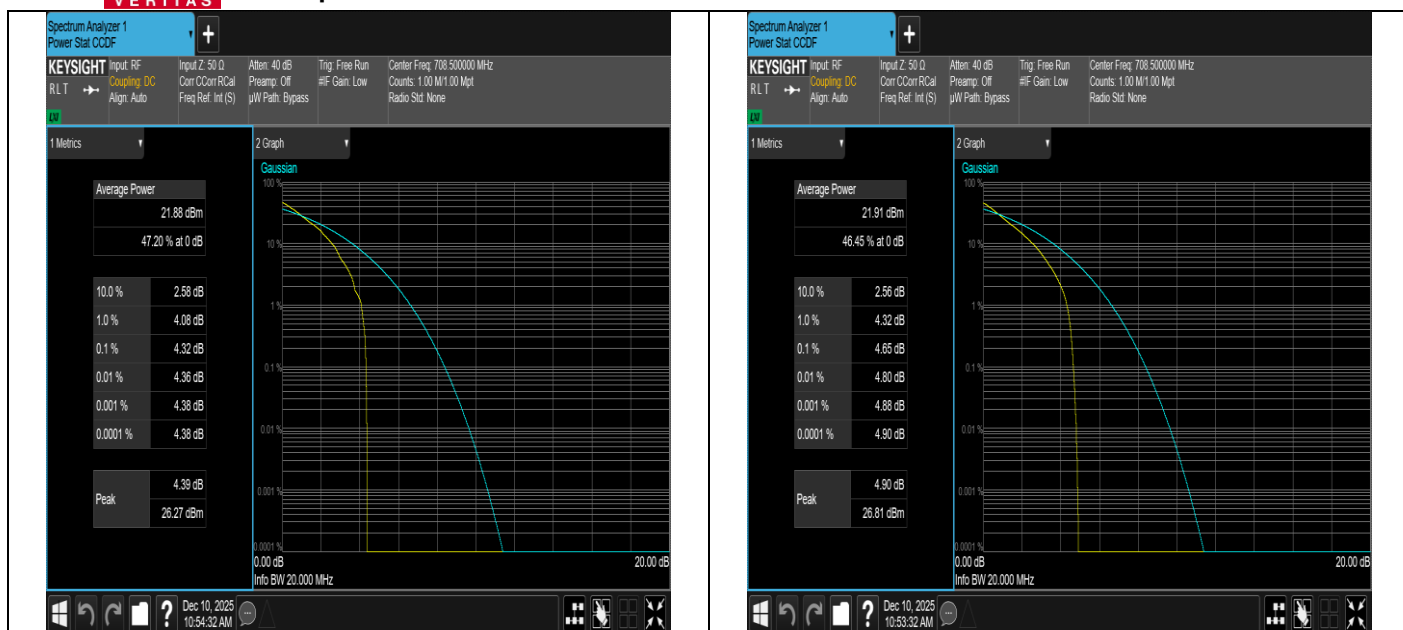


NTNV-n12-PC3-15-15-L-DFT-QPSK-Edge 1RB Left-PASS



NTNV-n12-PC3-15-15-L-DFT-QPSK-Outer Full-PASS





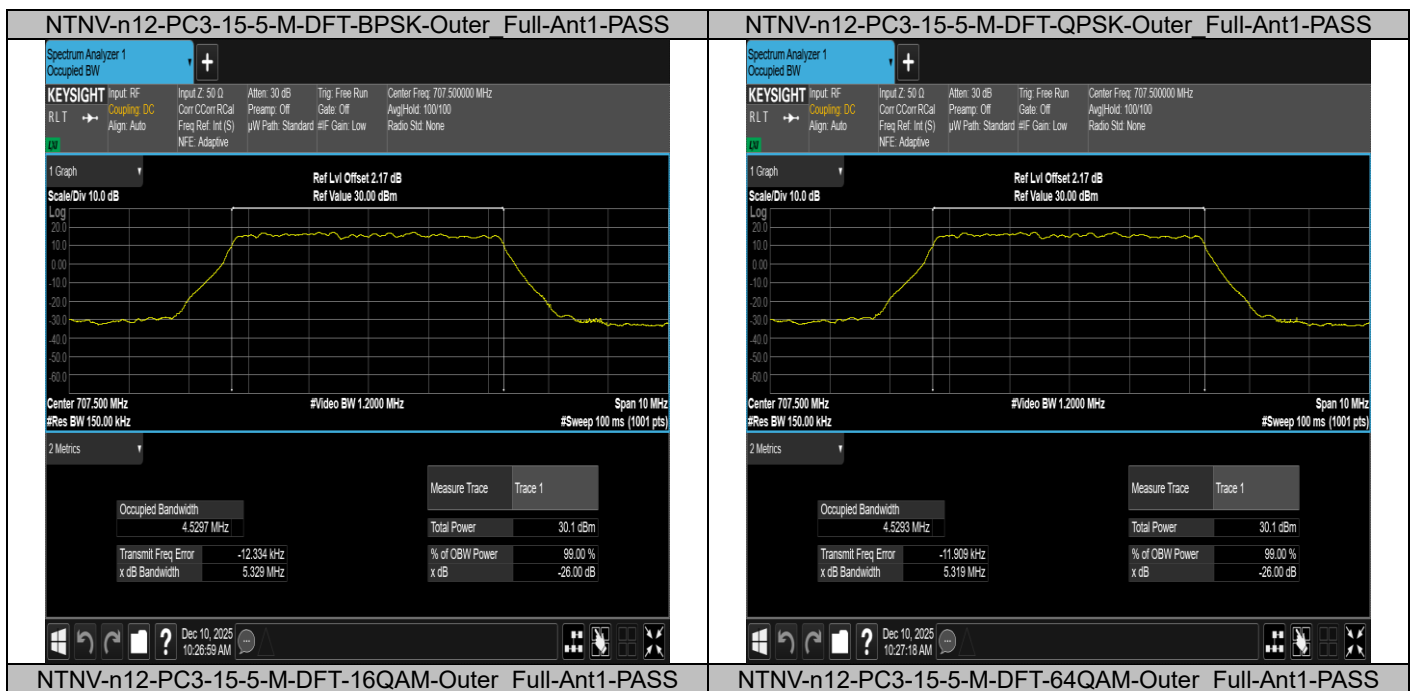


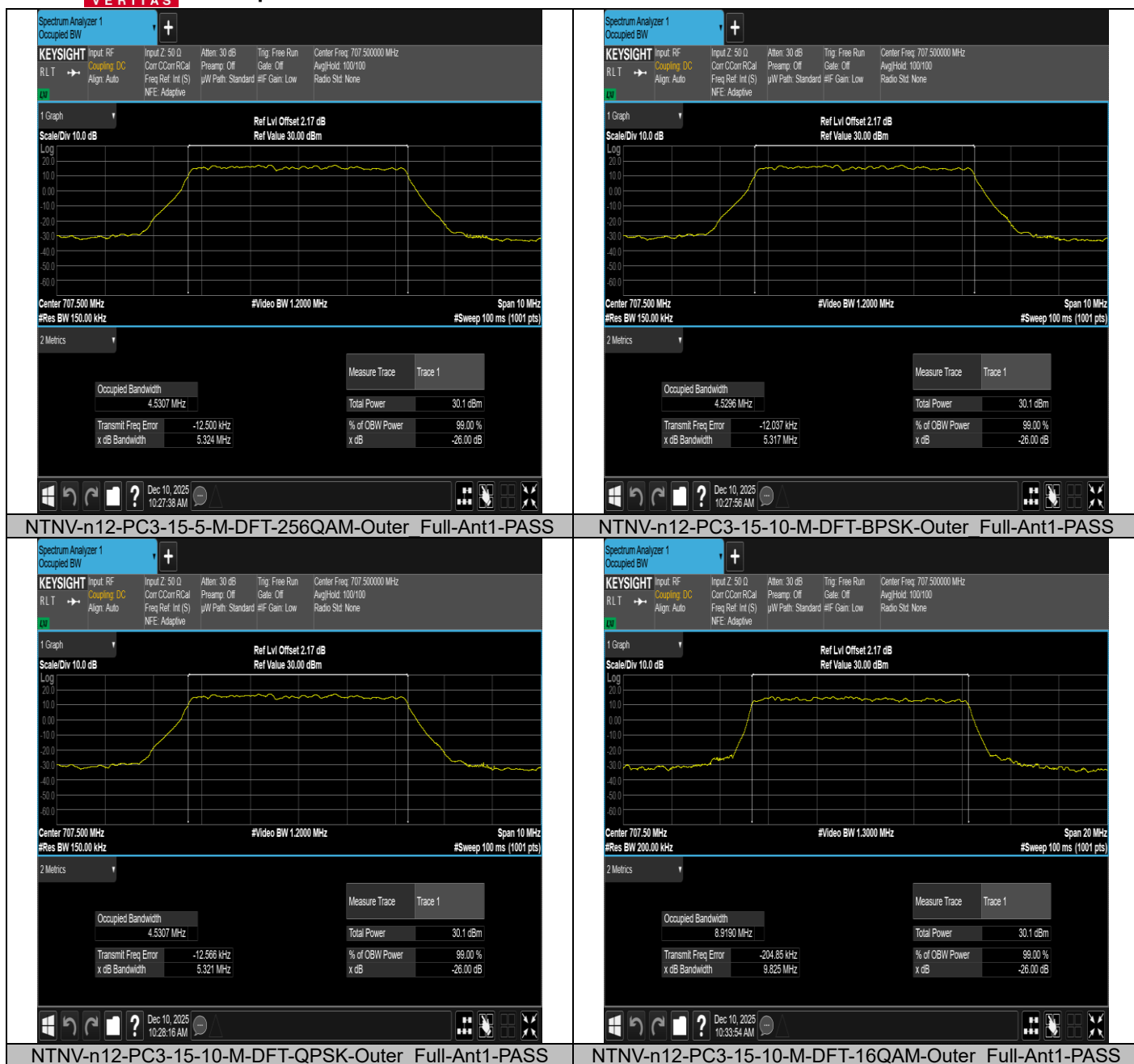
26dB Bandwidth and Occupied Bandwidth for SA

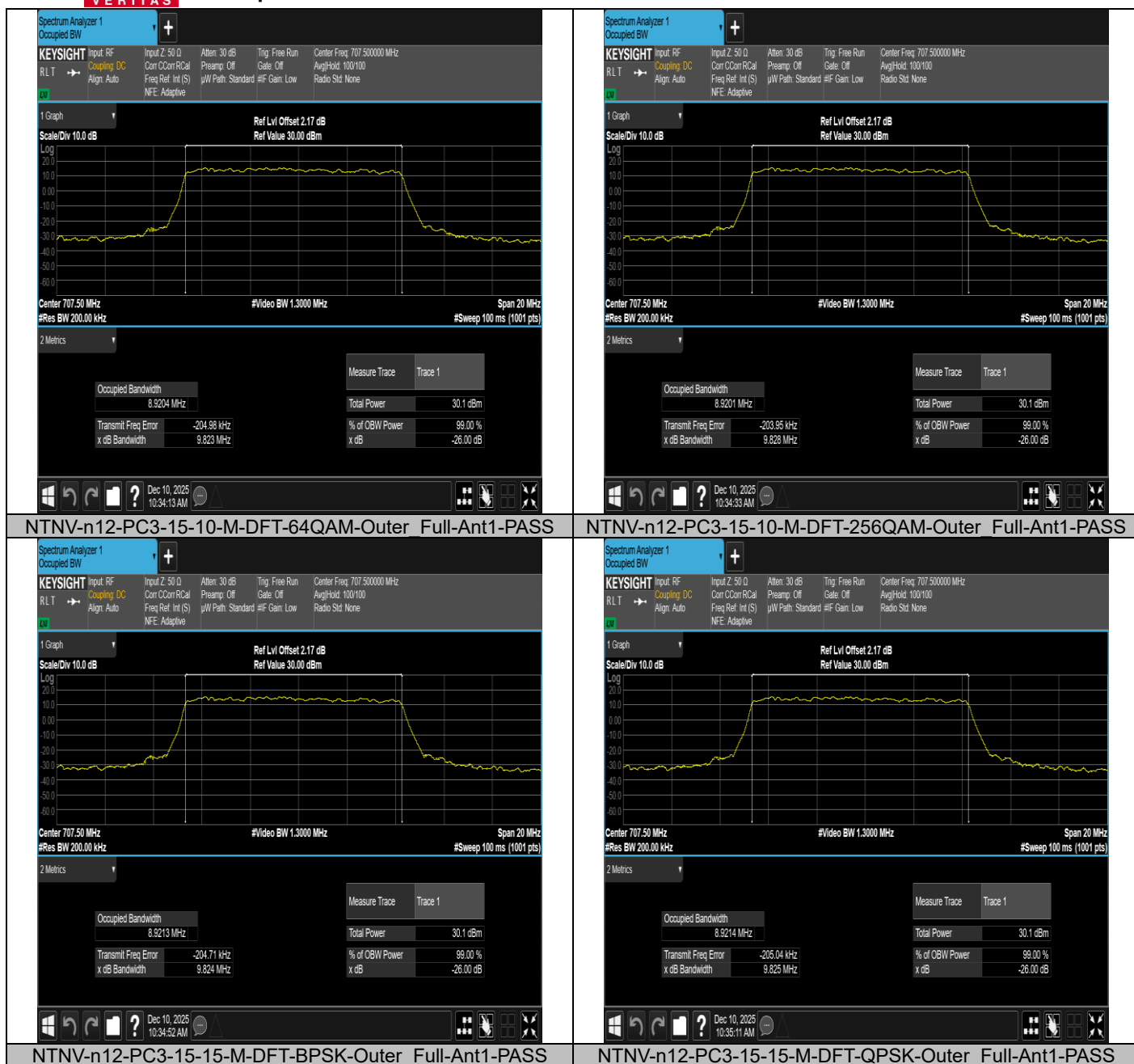
Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	OBW (MHz)	EBW (MHz)	Verdict
n12	15	5	DFT-BPSK	M	Outer_Full	4.5297	5.329	PASS
n12	15	5	DFT-QPSK	M	Outer_Full	4.5293	5.319	PASS
n12	15	5	DFT-16QAM	M	Outer_Full	4.5307	5.324	PASS
n12	15	5	DFT-64QAM	M	Outer_Full	4.5296	5.317	PASS
n12	15	5	DFT-256QAM	M	Outer_Full	4.5307	5.321	PASS
n12	15	10	DFT-BPSK	M	Outer_Full	8.9190	9.825	PASS
n12	15	10	DFT-QPSK	M	Outer_Full	8.9204	9.823	PASS
n12	15	10	DFT-16QAM	M	Outer_Full	8.9201	9.828	PASS
n12	15	10	DFT-64QAM	M	Outer_Full	8.9213	9.824	PASS
n12	15	10	DFT-256QAM	M	Outer_Full	8.9214	9.825	PASS
n12	15	15	DFT-BPSK	M	Outer_Full	13.444	14.37	PASS
n12	15	15	DFT-QPSK	M	Outer_Full	13.445	14.37	PASS
n12	15	15	DFT-16QAM	M	Outer_Full	13.445	14.37	PASS
n12	15	15	DFT-64QAM	M	Outer_Full	13.447	14.38	PASS
n12	15	15	DFT-256QAM	M	Outer_Full	13.448	14.37	PASS

Test Graphs



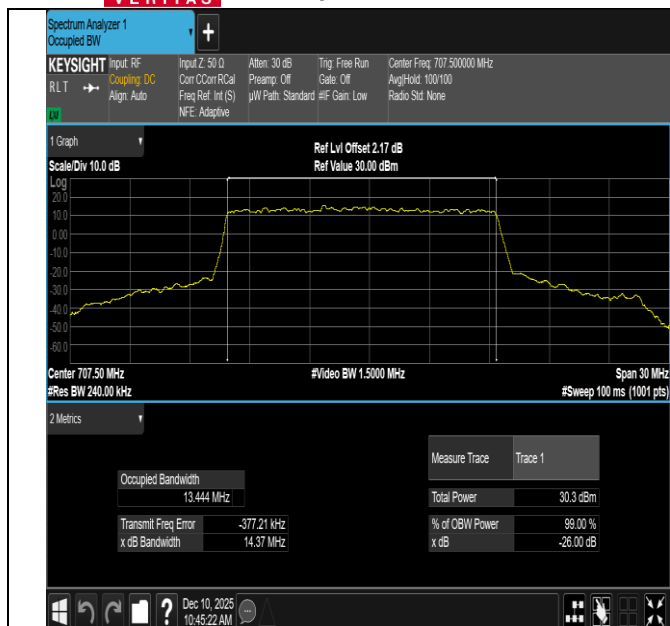






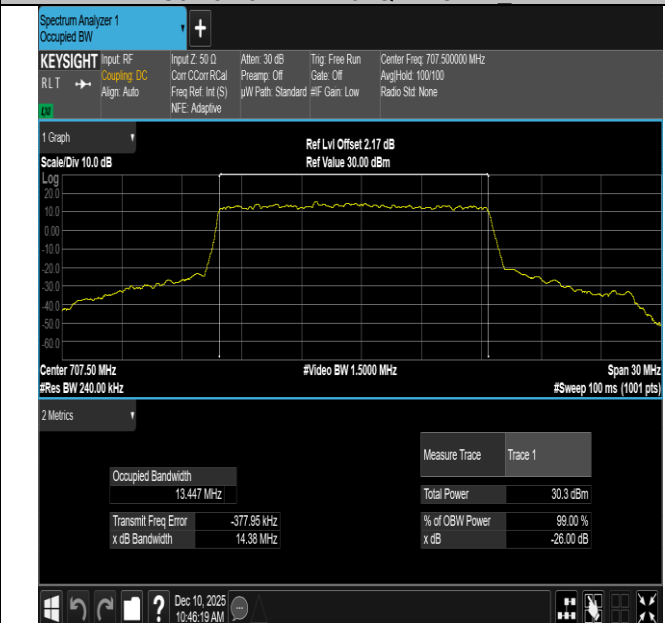
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Test Report No.: PSU-QBJ2512030110RF03



NTNV-n12-PC3-15-15-M-DFT-16QAM-Outer Full-Ant1-PASS

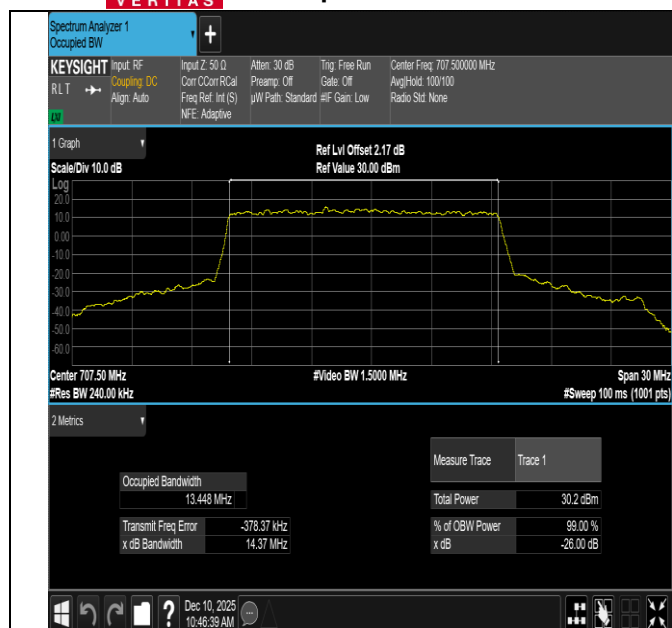
NTNV-n12-PC3-15-15-M-DFT-64QAM-Outer Full-Ant1-PASS



NTNV-n12-PC3-15-15-M-DFT-256QAM-Outer_Full-Ant1-PASS



BUREAU
VERITAS Test Report No.: PSU-QBJ2512030110RF03



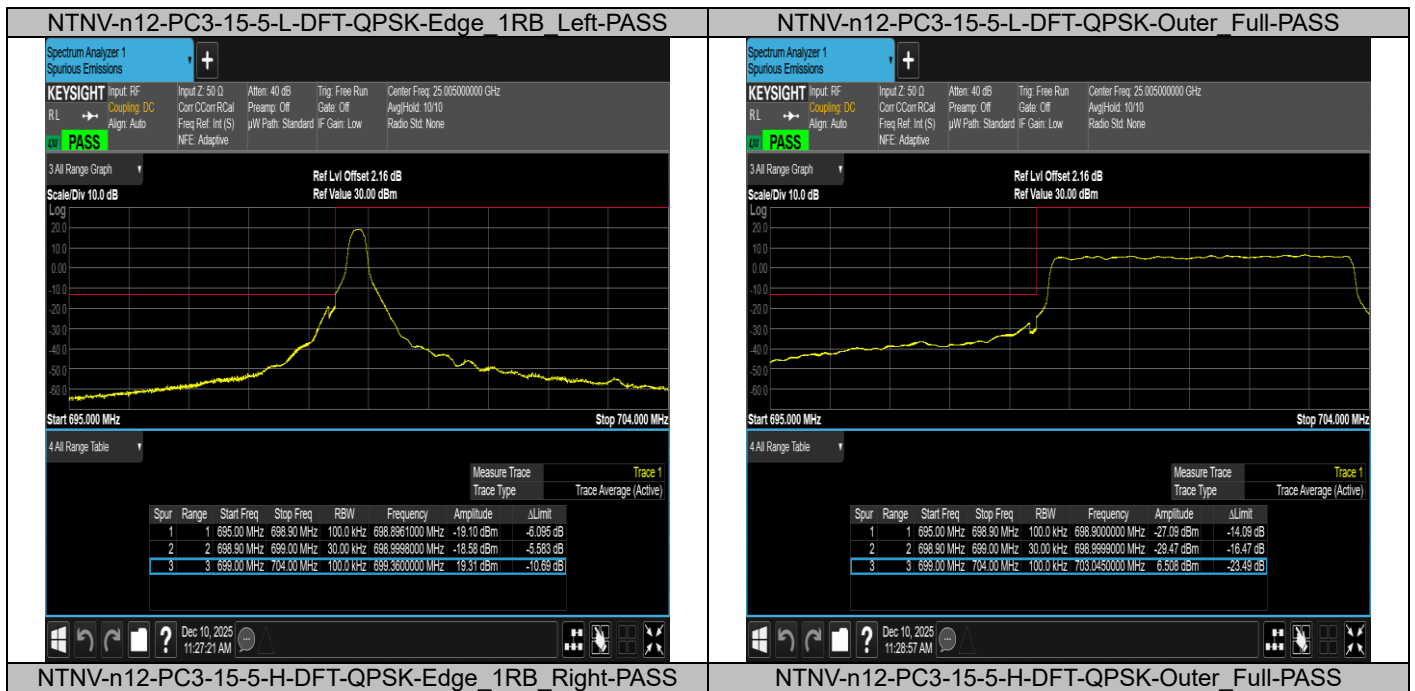


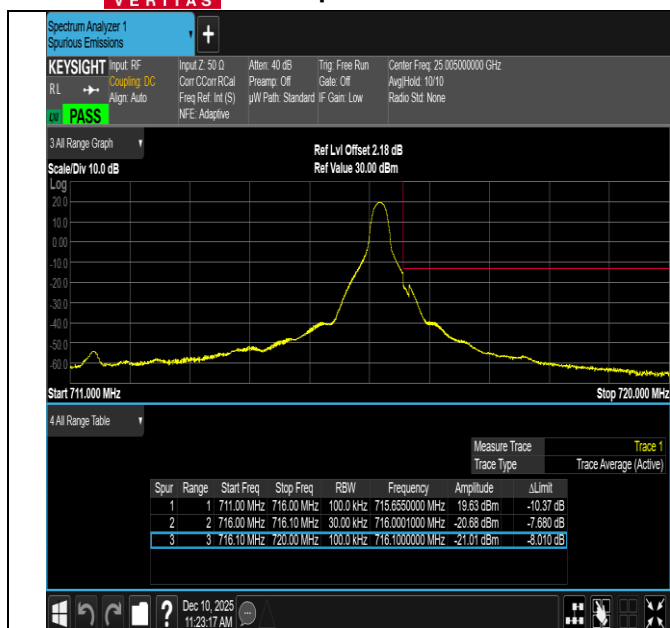
Band Edge for SA

Test Result

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	Result (dBm)	Verdict
n12	15	5	DFT-QPSK	L	Edge_1RB_Left	-18.58	PASS
n12	15	5	DFT-QPSK	L	Outer_Full	-27.09	PASS
n12	15	5	DFT-QPSK	H	Edge_1RB_Right	-20.68	PASS
n12	15	5	DFT-QPSK	H	Outer_Full	-26.81	PASS
n12	15	10	DFT-QPSK	L	Edge_1RB_Left	-18.24	PASS
n12	15	10	DFT-QPSK	L	Outer_Full	-31.85	PASS
n12	15	10	DFT-QPSK	H	Edge_1RB_Right	-23.66	PASS
n12	15	10	DFT-QPSK	H	Outer_Full	-35.38	PASS
n12	15	15	DFT-QPSK	L	Edge_1RB_Left	-23.69	PASS
n12	15	15	DFT-QPSK	L	Outer_Full	-35.69	PASS
n12	15	15	DFT-QPSK	H	Edge_1RB_Right	-27.16	PASS
n12	15	15	DFT-QPSK	H	Outer_Full	-39.15	PASS

Test Graphs

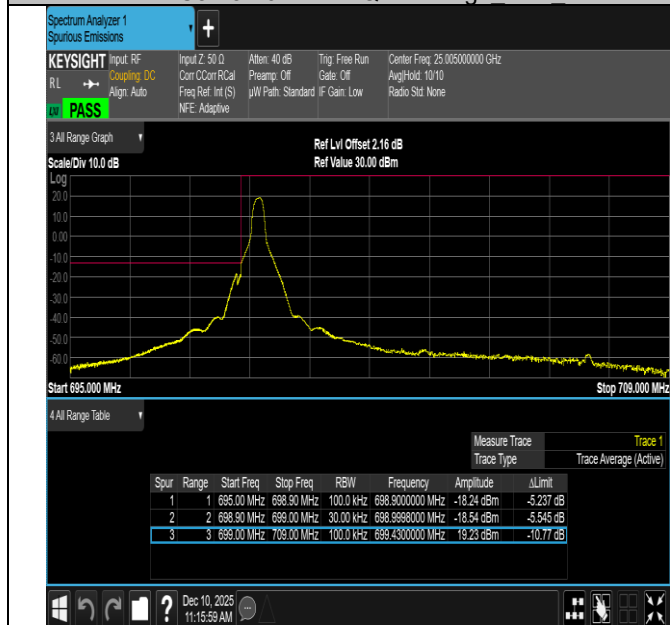




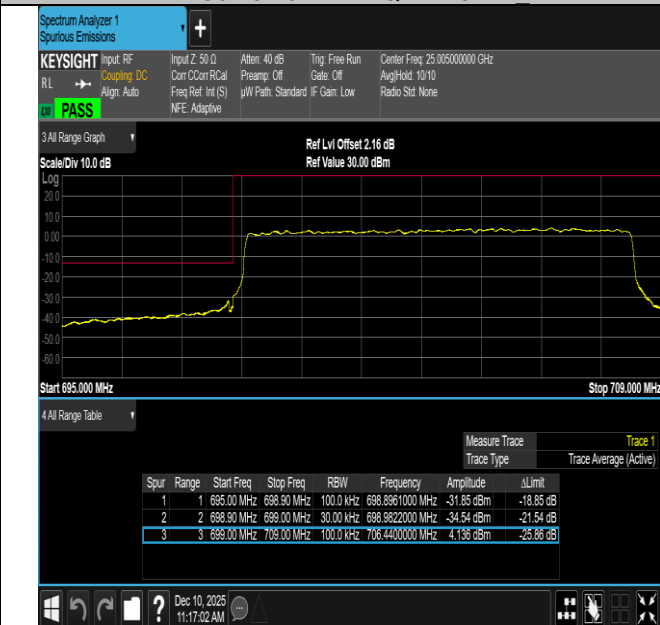
NTNV-n12-PC3-15-10-L-DFT-QPSK-Edge 1RB Left-PASS



NTNV-n12-PC3-15-10-L-DFT-QPSK-Outer Full-PASS



NTNV-n12-PC3-15-10-H-DFT-QPSK-Edge 1RB Right-PASS

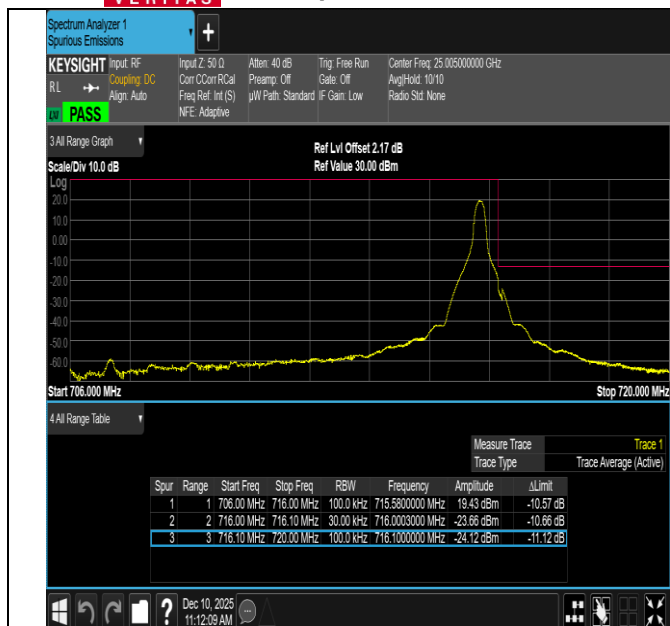


NTNV-n12-PC3-15-10-H-DFT-QPSK-Outer Full-PASS



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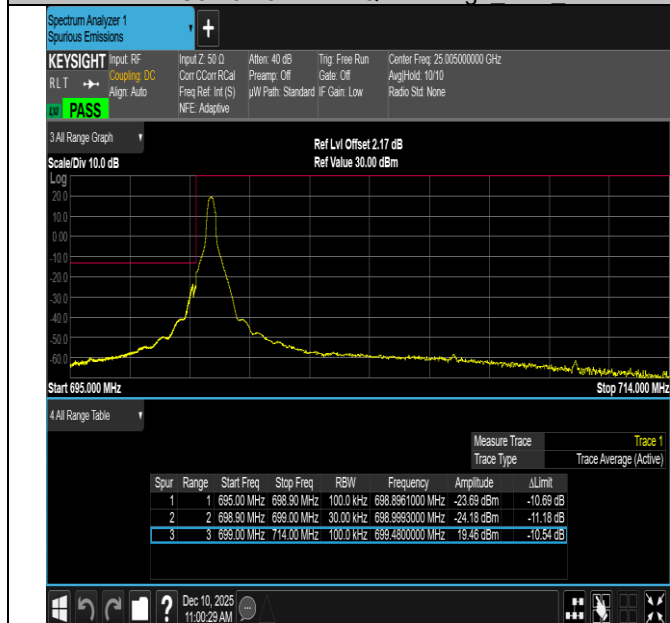
Test Report No.: PSU-QBJ2512030110RF03



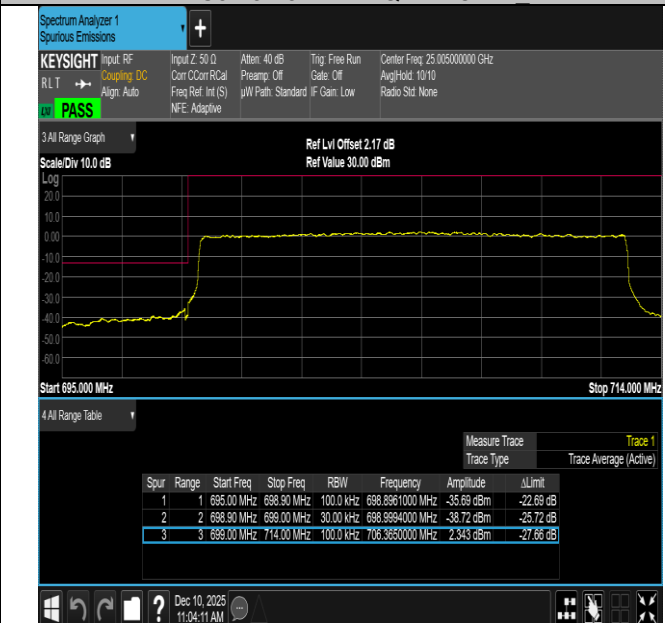
NTNV-n12-PC3-15-15-L-DFT-QPSK-Edge 1RB Left-PASS



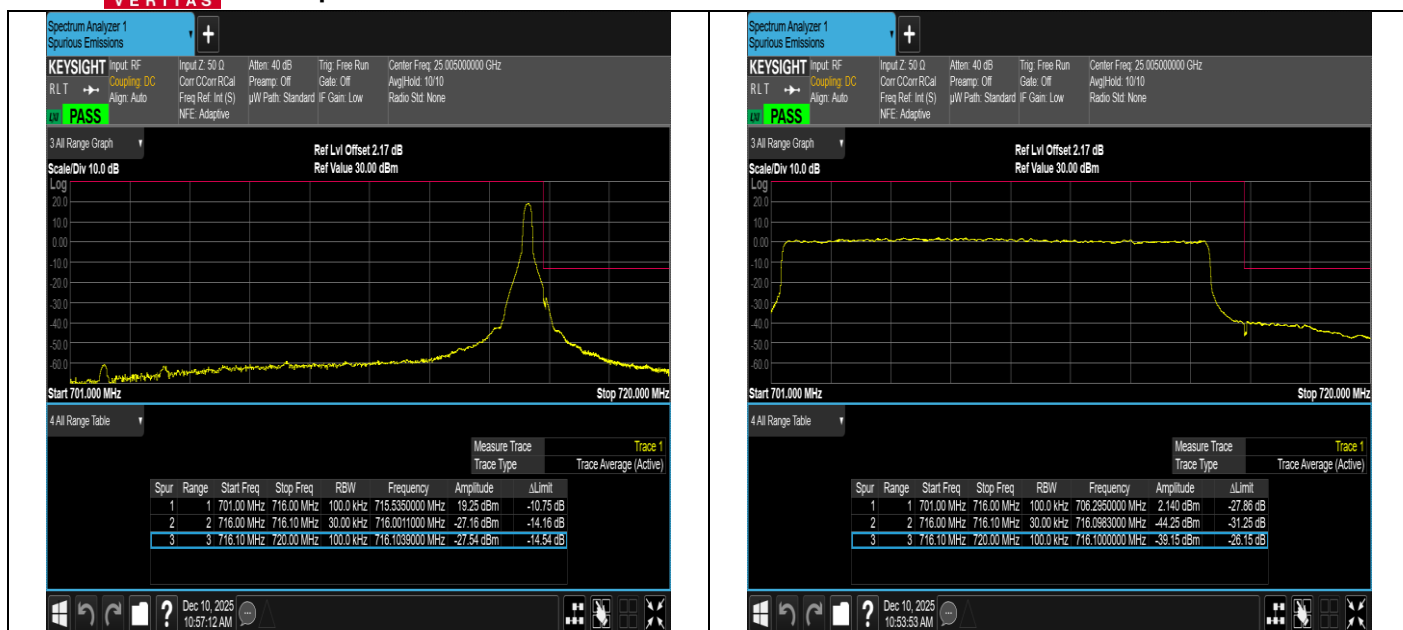
NTNV-n12-PC3-15-15-L-DFT-QPSK-Outer Full-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Edge 1RB Right-PASS



NTNV-n12-PC3-15-15-H-DFT-QPSK-Outer Full-PASS



**Conducted Spurious Emission for SA****Test Result**

Band	SCS (kHz)	Bandwidth (MHz)	Modulation	Channel	RB Config	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit	Verdict
n12	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	0.009	0.15	-63.59	≤-33dB _m	PASS
n12	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	0.15	30	-61.56	≤-23dB _m	PASS
n12	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	30	1000	-63.63	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	1000	3000	-52.74	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	3000	12000	-64.49	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	L	Edge_1RB_L _{eft}	12000	20000	-66.78	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	0.009	0.15	-61.89	≤-33dB _m	PASS
n12	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	0.15	30	-61.98	≤-23dB _m	PASS
n12	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	30	1000	-65.26	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	1000	3000	-51.37	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	3000	12000	-64.00	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	M	Edge_1RB_L _{eft}	12000	20000	-67.01	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	0.009	0.15	-63.63	≤-33dB _m	PASS
n12	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	0.15	30	-62.93	≤-23dB _m	PASS
n12	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	30	1000	-64.55	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	1000	3000	-55.29	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	3000	12000	-64.65	≤-13dB _m	PASS
n12	15	5	DFT-QPSK	H	Edge_1RB_L _{eft}	12000	20000	-67.40	≤-13dB _m	PASS


BUREAU VERITAS Test Report No.: PSU-QBJ2512030110RF03

n12	15	10	DFT-QPSK	L	Edge_1RB_L eft	0.009	0.15	- 64.2 6	≤- 33dB m	PASS
n12	15	10	DFT-QPSK	L	Edge_1RB_L eft	0.15	30	- 60.7 4	≤- 23dB m	PASS
n12	15	10	DFT-QPSK	L	Edge_1RB_L eft	30	1000	- 63.2 7	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	L	Edge_1RB_L eft	1000	3000	- 50.8 9	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	L	Edge_1RB_L eft	3000	12000	- 65.0 0	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	L	Edge_1RB_L eft	12000	20000	- 67.2 2	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	M	Edge_1RB_L eft	0.009	0.15	- 62.8 2	≤- 33dB m	PASS
n12	15	10	DFT-QPSK	M	Edge_1RB_L eft	0.15	30	- 63.0 6	≤- 23dB m	PASS
n12	15	10	DFT-QPSK	M	Edge_1RB_L eft	30	1000	- 65.0 1	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	M	Edge_1RB_L eft	1000	3000	- 49.0 3	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	M	Edge_1RB_L eft	3000	12000	- 64.8 0	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	M	Edge_1RB_L eft	12000	20000	- 66.2 5	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	H	Edge_1RB_L eft	0.009	0.15	- 62.6 6	≤- 33dB m	PASS
n12	15	10	DFT-QPSK	H	Edge_1RB_L eft	0.15	30	- 63.2 1	≤- 23dB m	PASS
n12	15	10	DFT-QPSK	H	Edge_1RB_L eft	30	1000	- 64.9 9	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	H	Edge_1RB_L eft	1000	3000	- 50.9 7	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	H	Edge_1RB_L eft	3000	12000	- 64.9 7	≤- 13dB m	PASS
n12	15	10	DFT-QPSK	H	Edge_1RB_L eft	12000	20000	- 67.3 6	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	L	Edge_1RB_L eft	0.009	0.15	- 64.3 7	≤- 33dB m	PASS
n12	15	15	DFT-QPSK	L	Edge_1RB_L eft	0.15	30	- 61.4 3	≤- 23dB m	PASS
n12	15	15	DFT-QPSK	L	Edge_1RB_L eft	30	1000	- 61.0 3	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	L	Edge_1RB_L eft	1000	3000	- 52.4	≤- 13dB	PASS

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Tel: +86 (0557) 368 1008

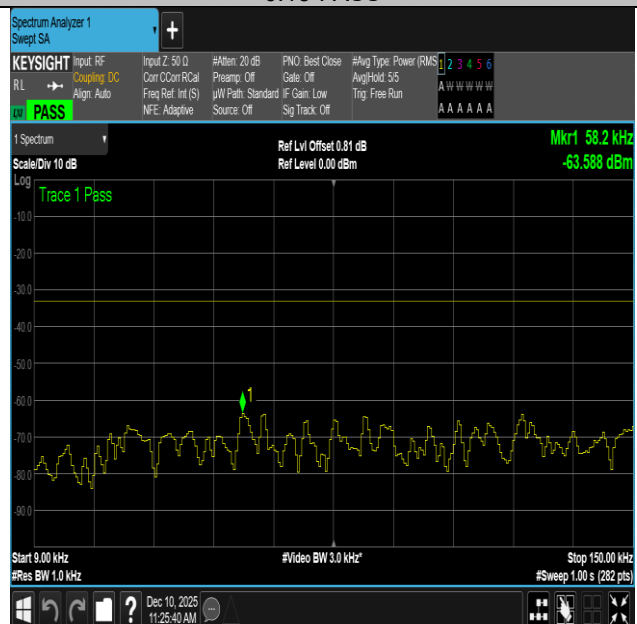

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								5	m	
n12	15	15	DFT-QPSK	L	Edge_1RB_L eft	3000	12000	- 64.8 8	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	L	Edge_1RB_L eft	12000	20000	- 67.5 8	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	M	Edge_1RB_L eft	0.009	0.15	- 64.2 3	≤- 33dB m	PASS
n12	15	15	DFT-QPSK	M	Edge_1RB_L eft	0.15	30	- 60.6 5	≤- 23dB m	PASS
n12	15	15	DFT-QPSK	M	Edge_1RB_L eft	30	1000	- 63.4 9	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	M	Edge_1RB_L eft	1000	3000	- 50.5 0	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	M	Edge_1RB_L eft	3000	12000	- 64.9 3	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	M	Edge_1RB_L eft	12000	20000	- 66.8 5	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	H	Edge_1RB_L eft	0.009	0.15	- 64.3 1	≤- 33dB m	PASS
n12	15	15	DFT-QPSK	H	Edge_1RB_L eft	0.15	30	- 60.9 3	≤- 23dB m	PASS
n12	15	15	DFT-QPSK	H	Edge_1RB_L eft	30	1000	- 65.1 3	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	H	Edge_1RB_L eft	1000	3000	- 51.1 2	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	H	Edge_1RB_L eft	3000	12000	- 65.0 2	≤- 13dB m	PASS
n12	15	15	DFT-QPSK	H	Edge_1RB_L eft	12000	20000	- 66.3 6	≤- 13dB m	PASS

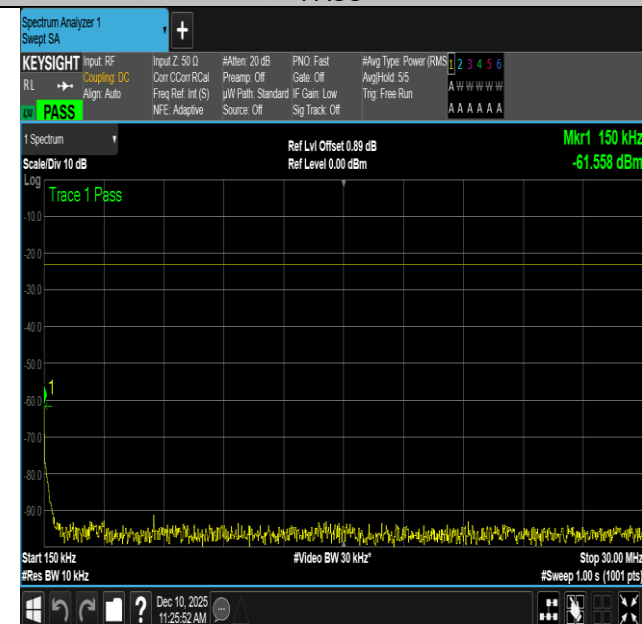


Test Graphs

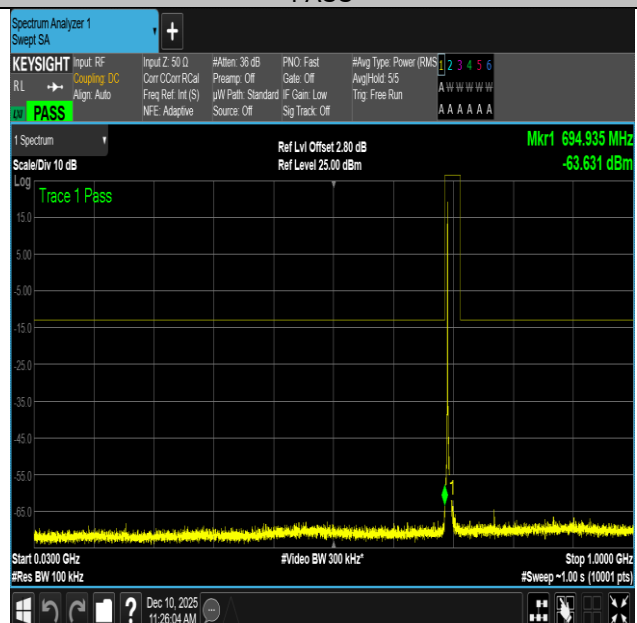
NTNV-n12-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-0.009-0.15-PASS



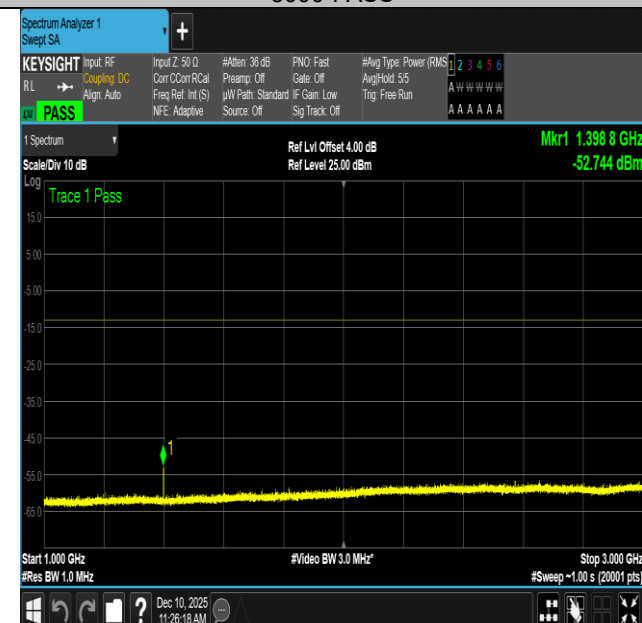
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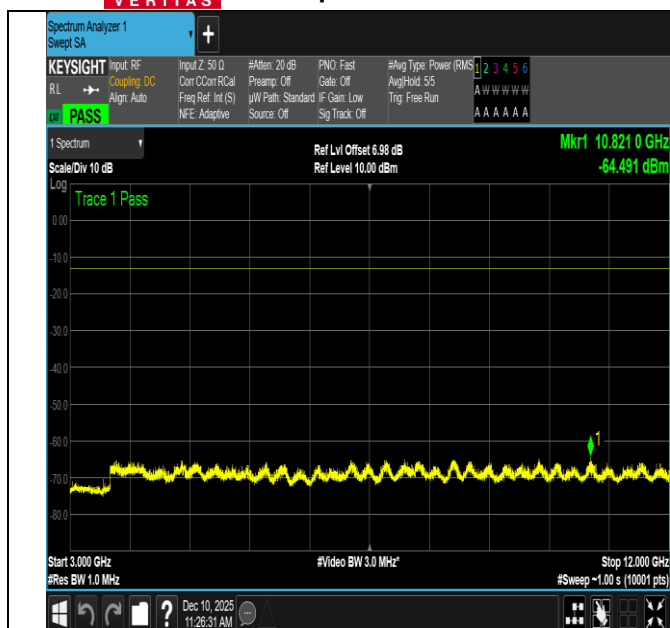


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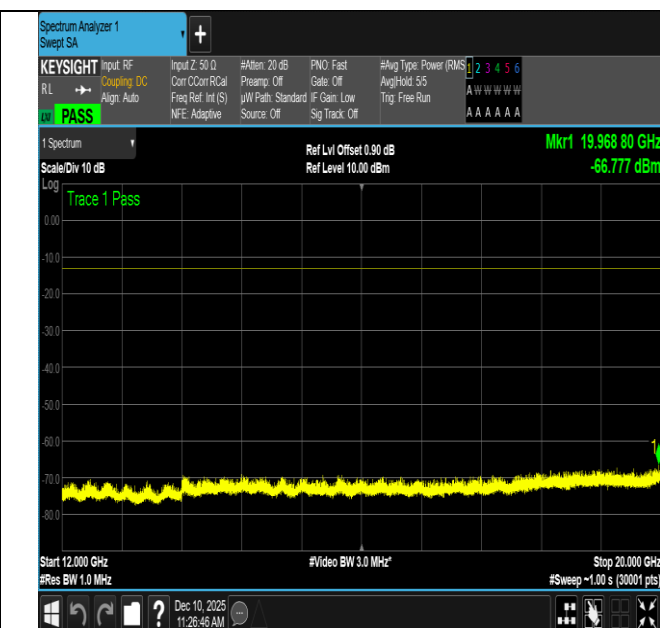


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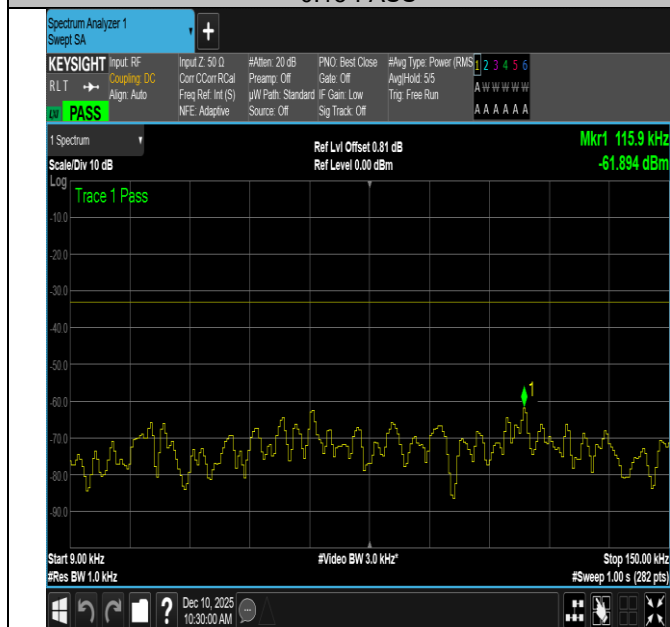
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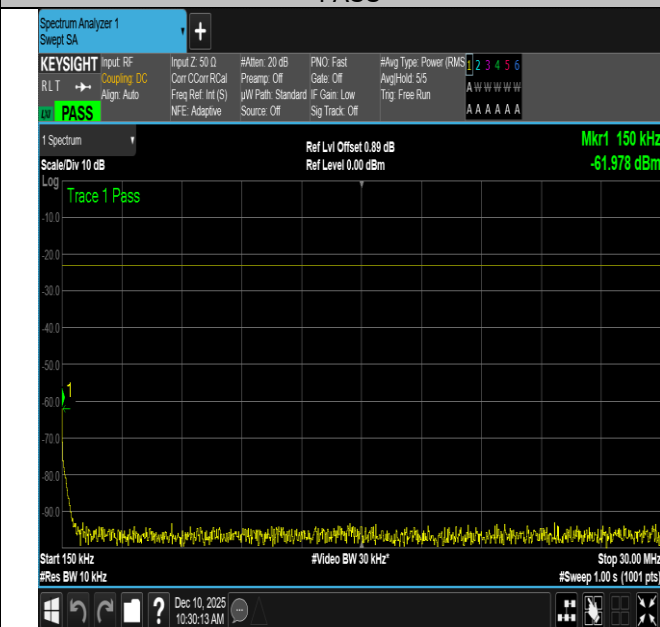
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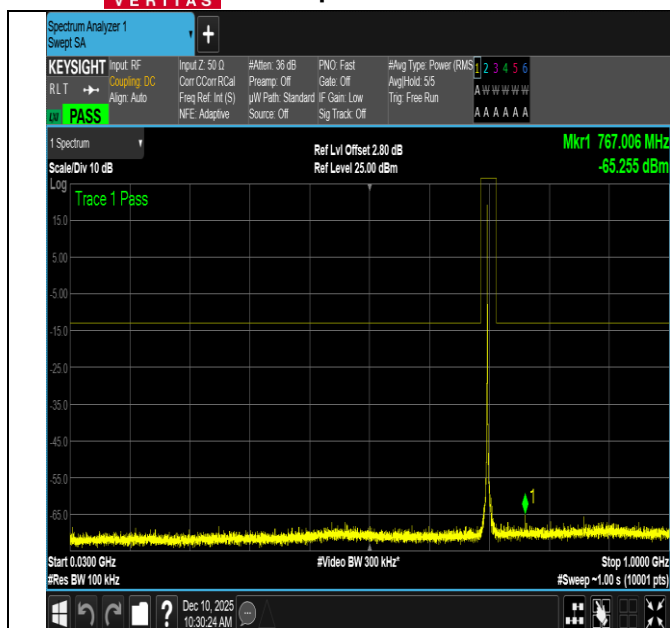
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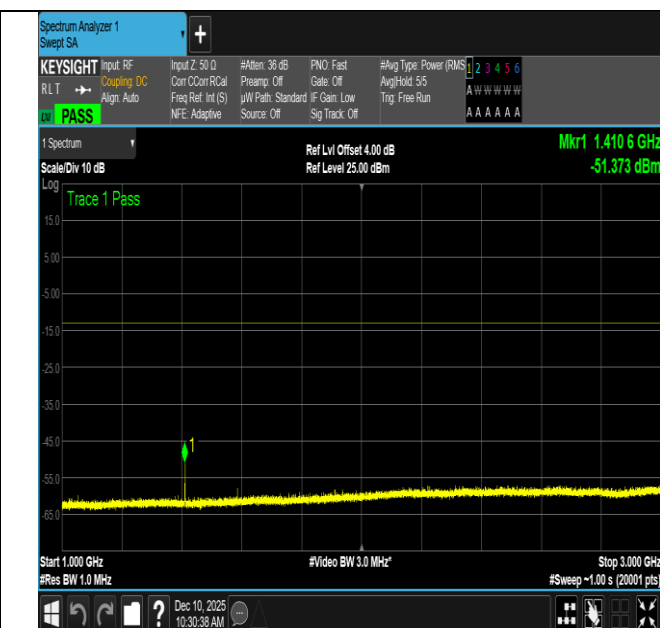
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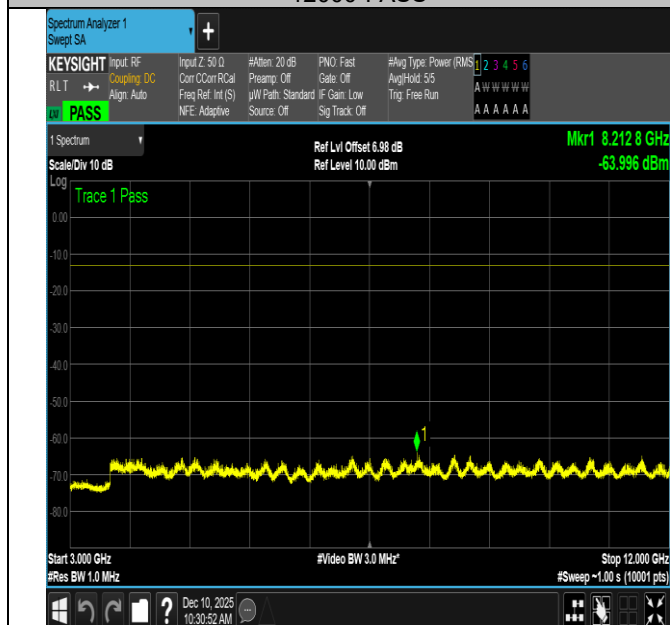
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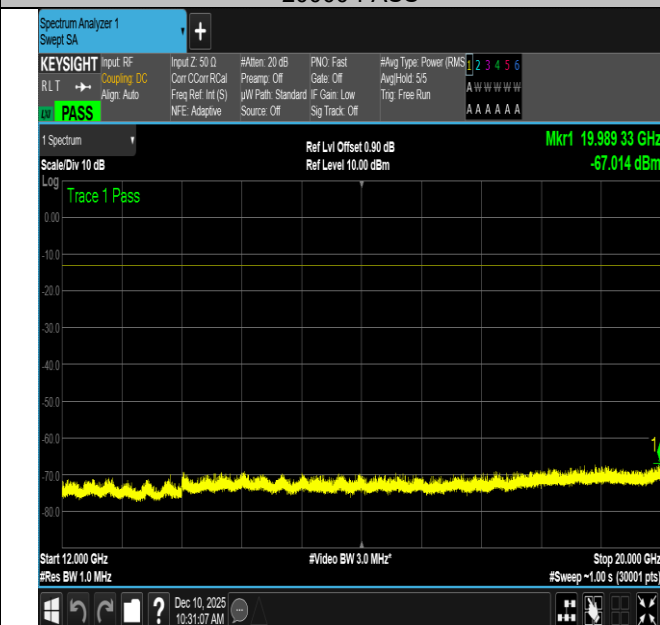
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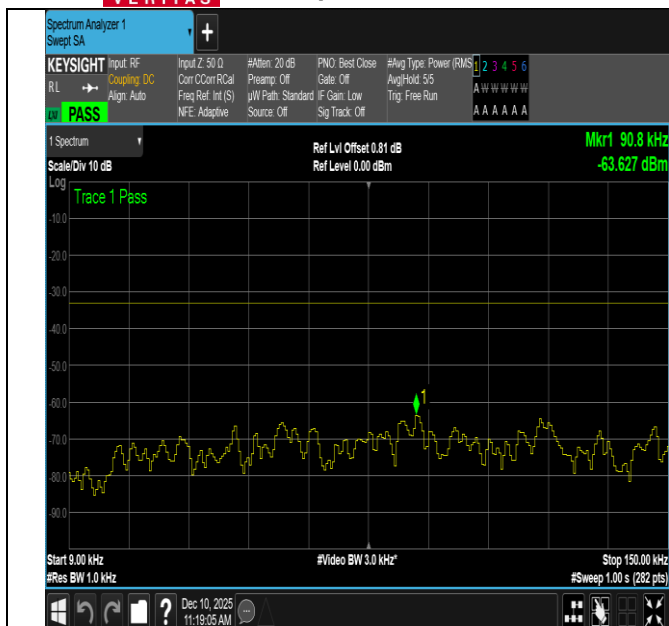
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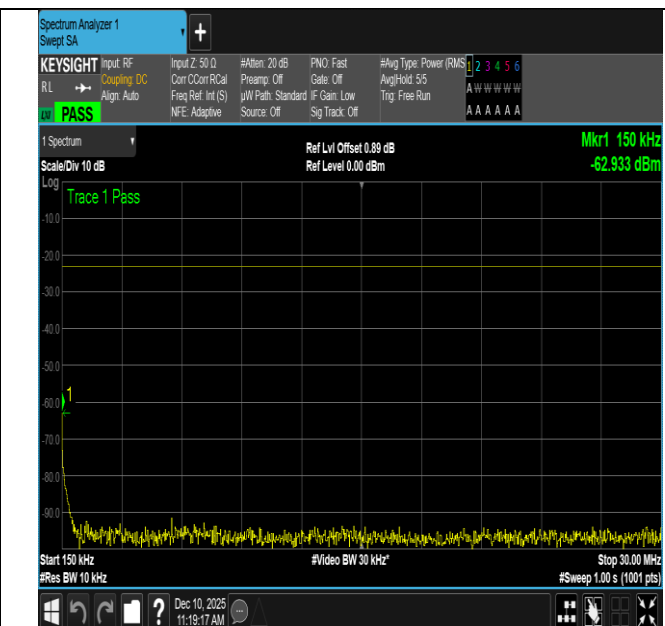
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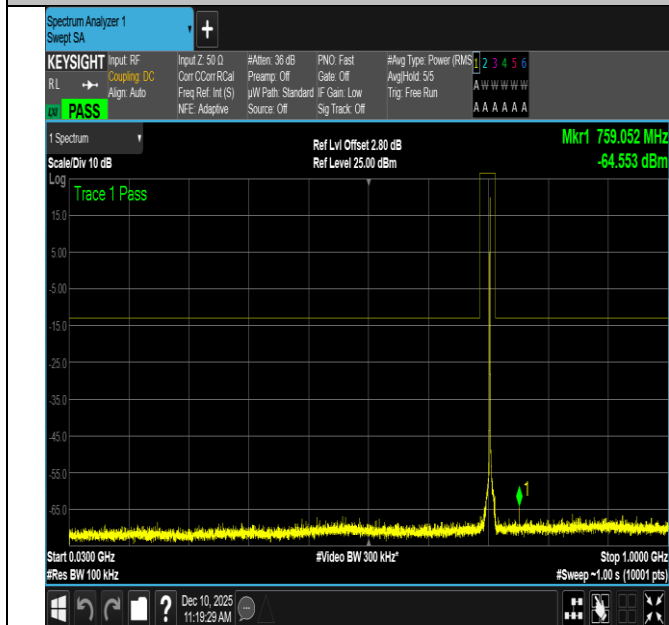
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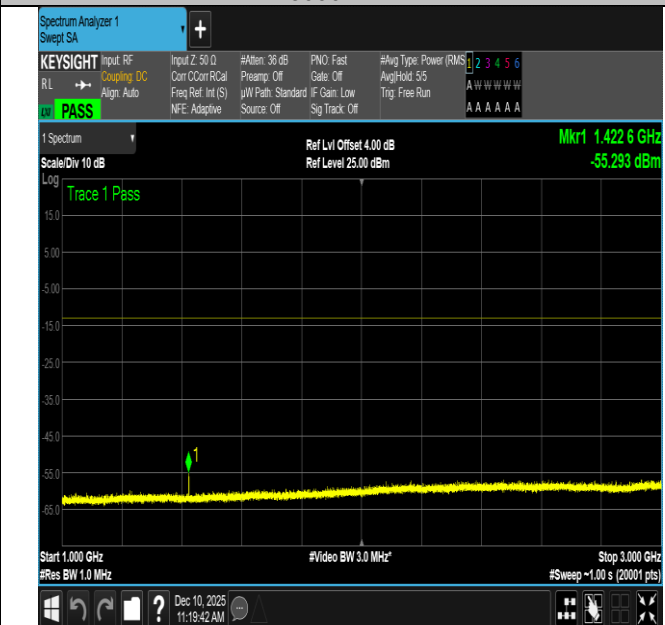
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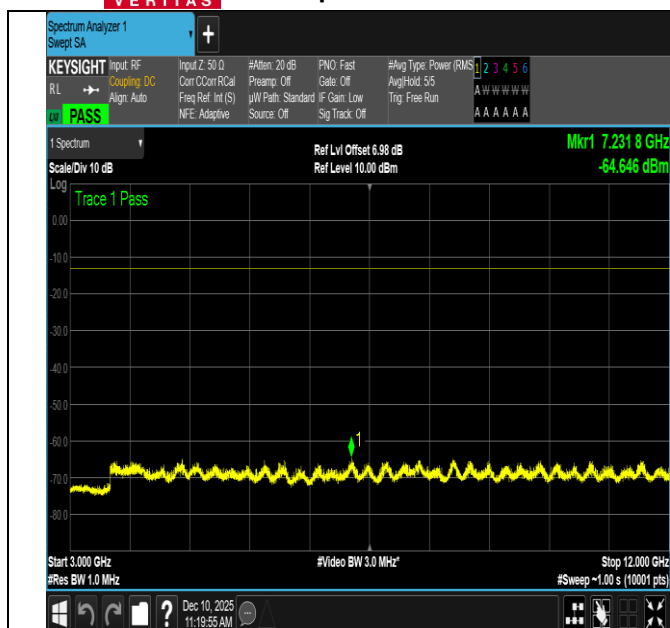
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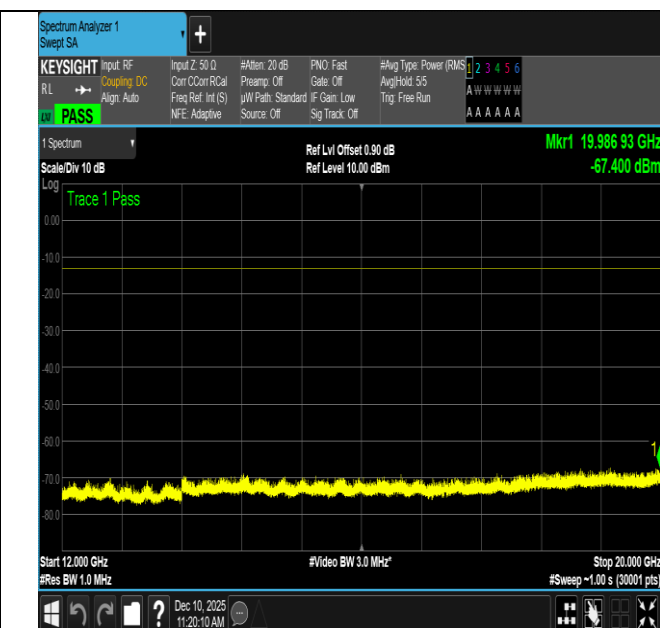
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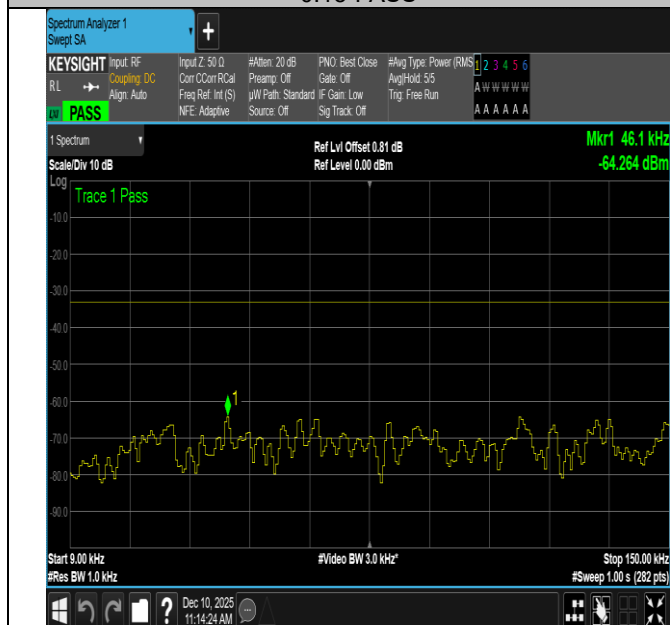
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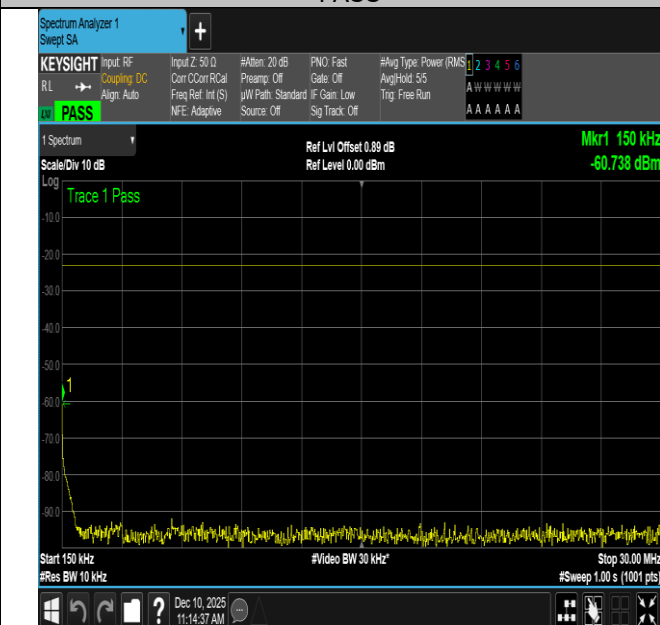
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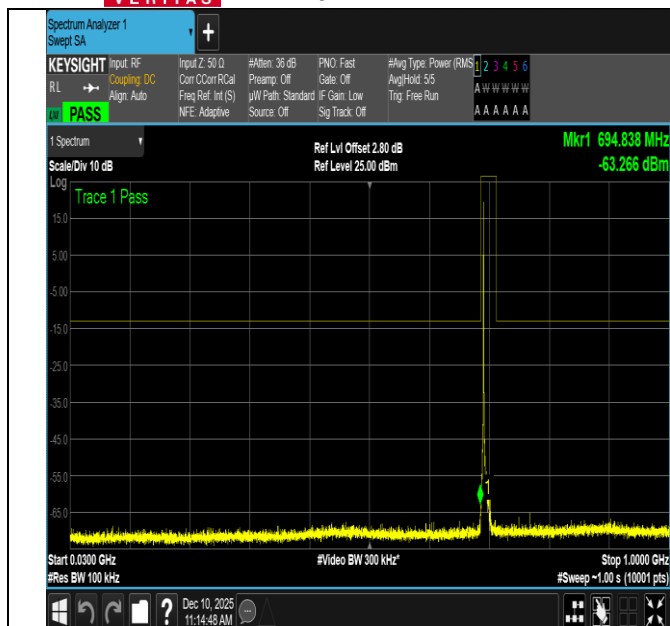
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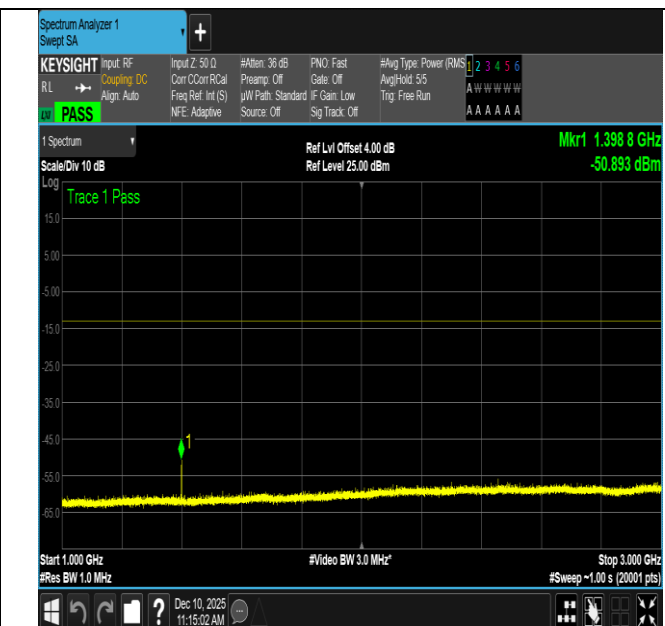
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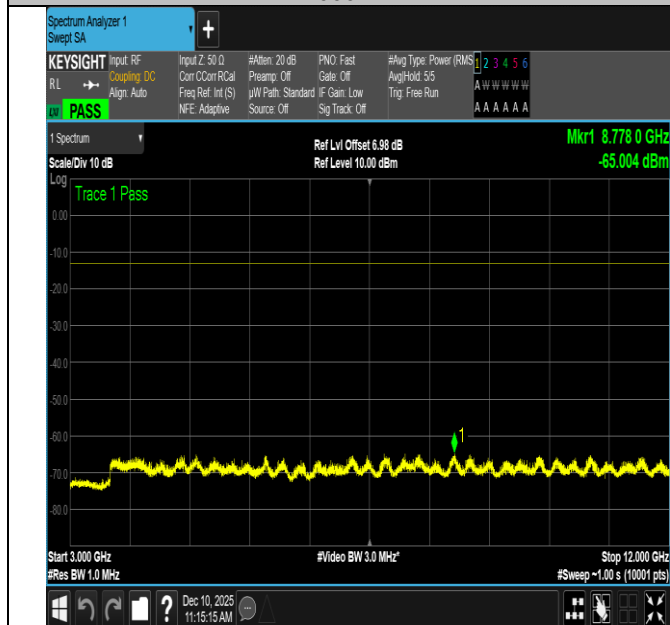
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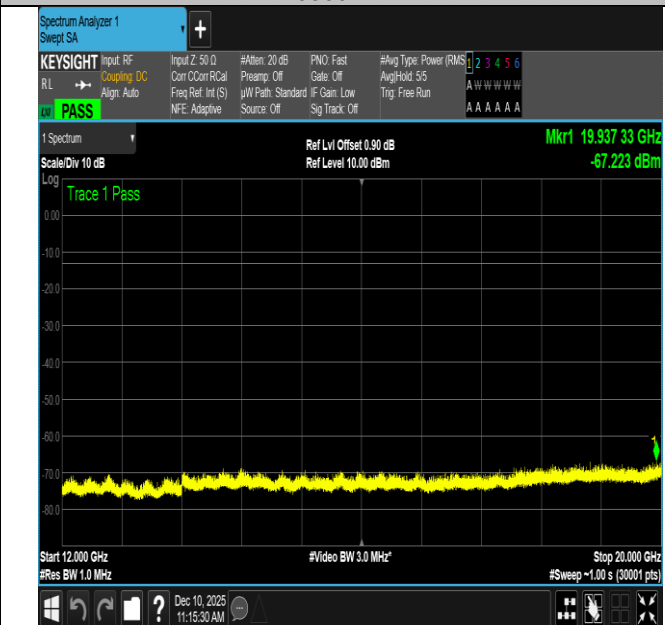
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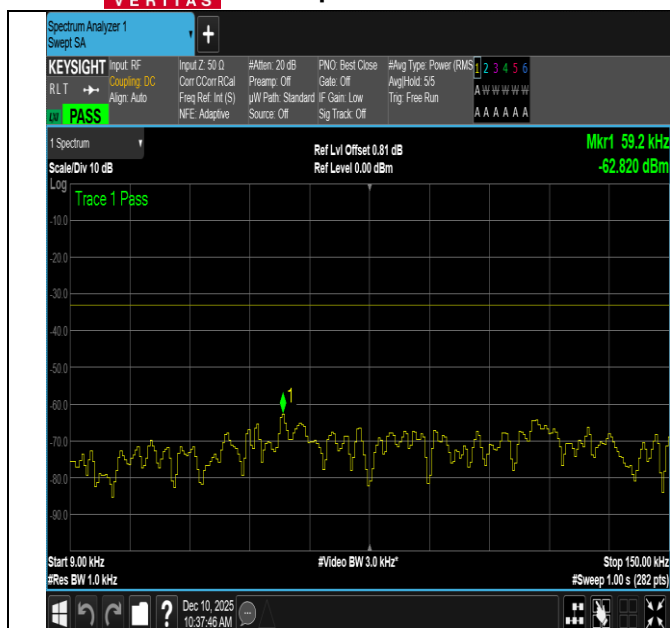
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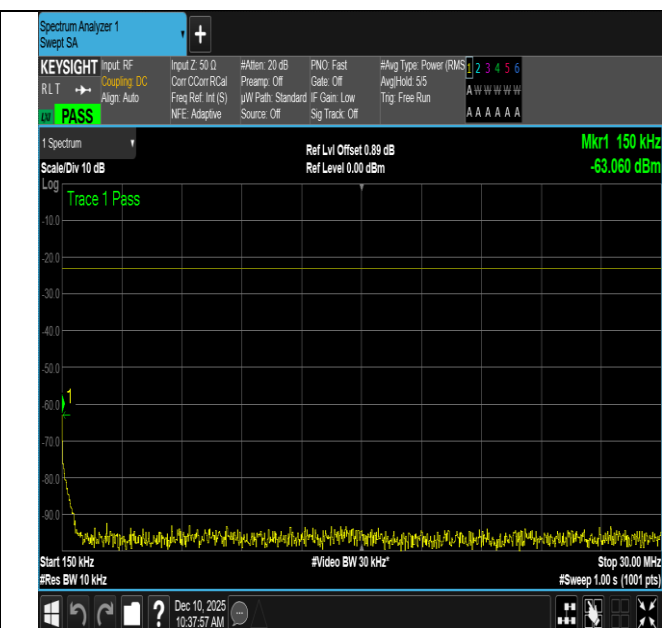
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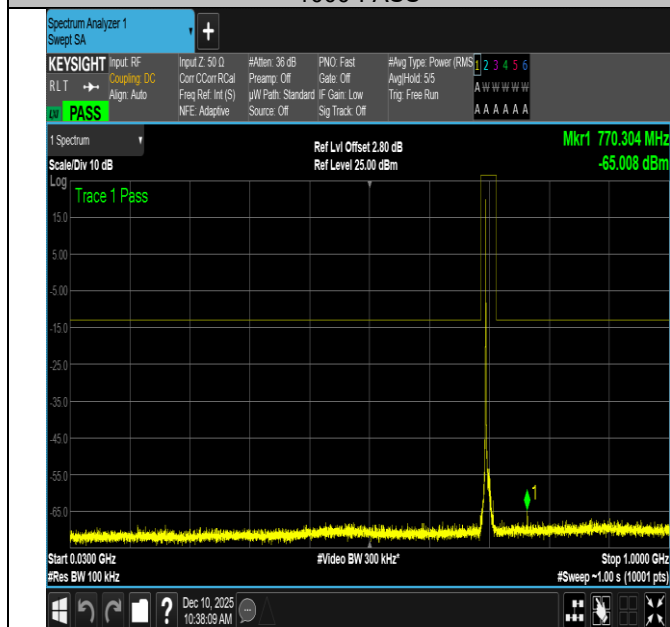
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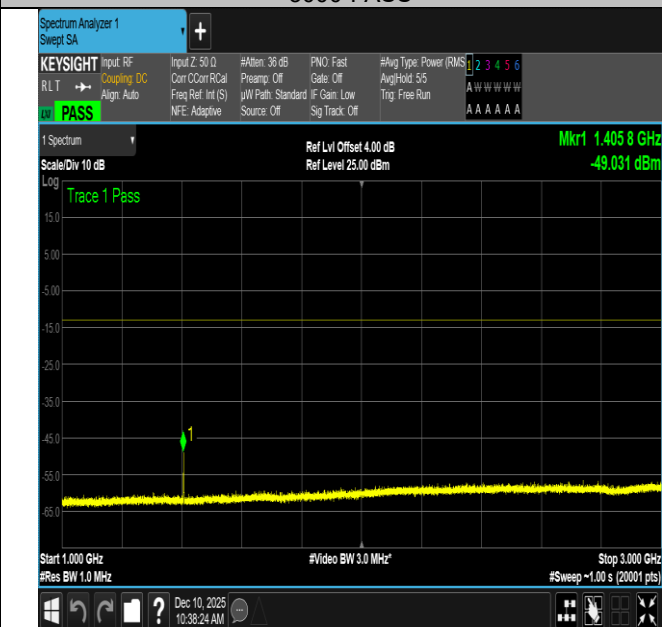
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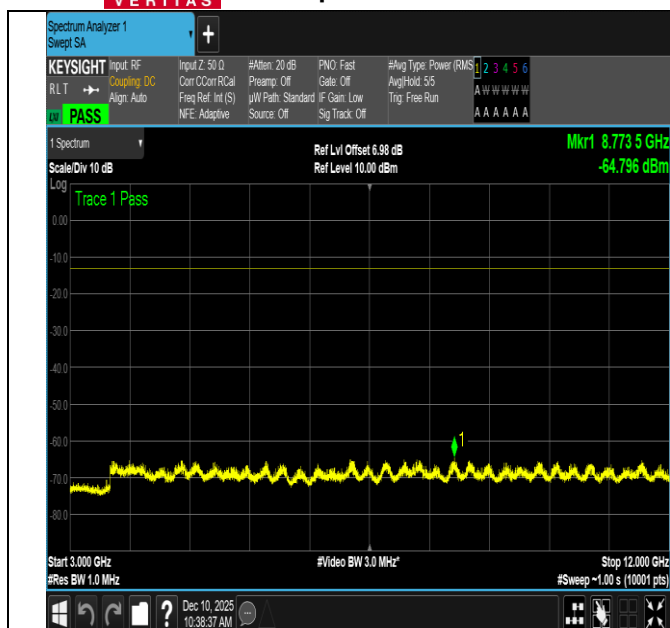
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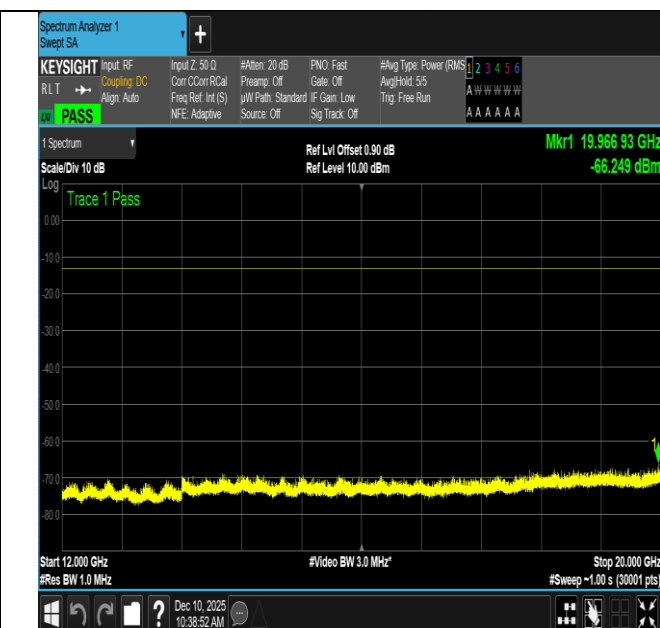
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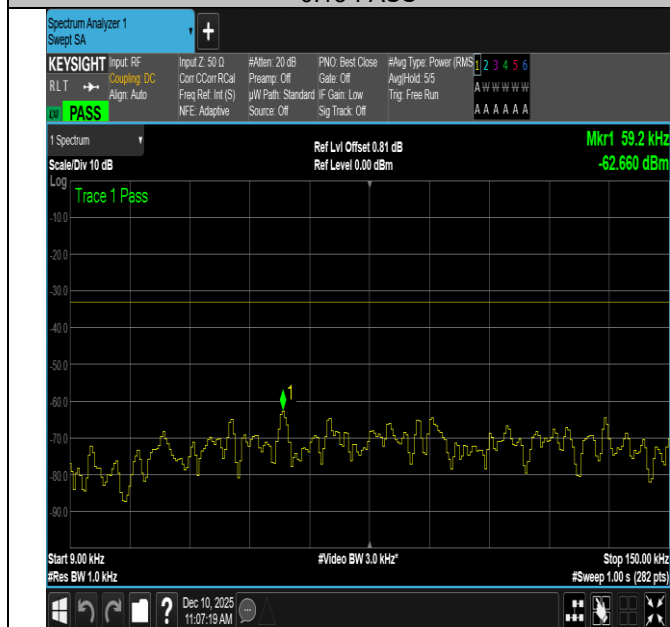
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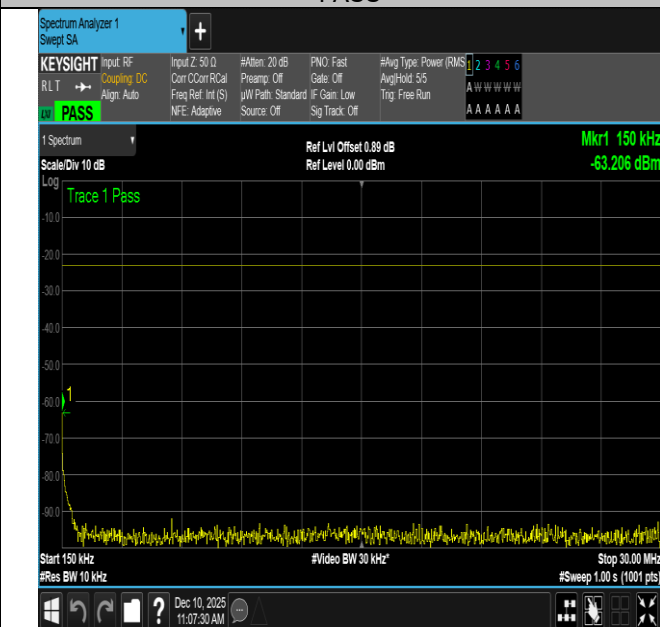
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NTNV-n12-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-30-1000-PASS



NTNV-n12-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-1000-3000-PASS