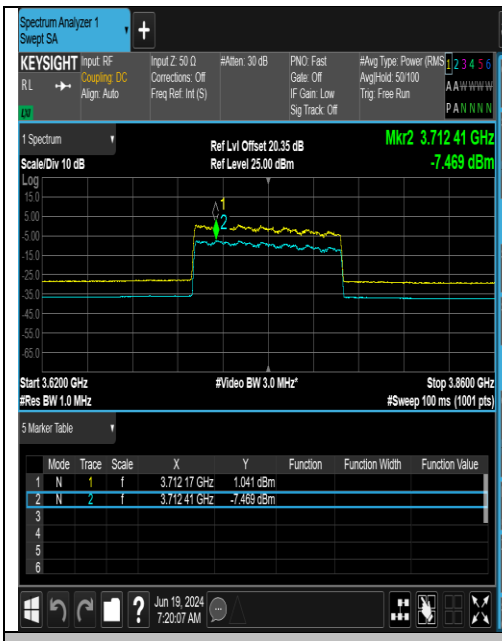

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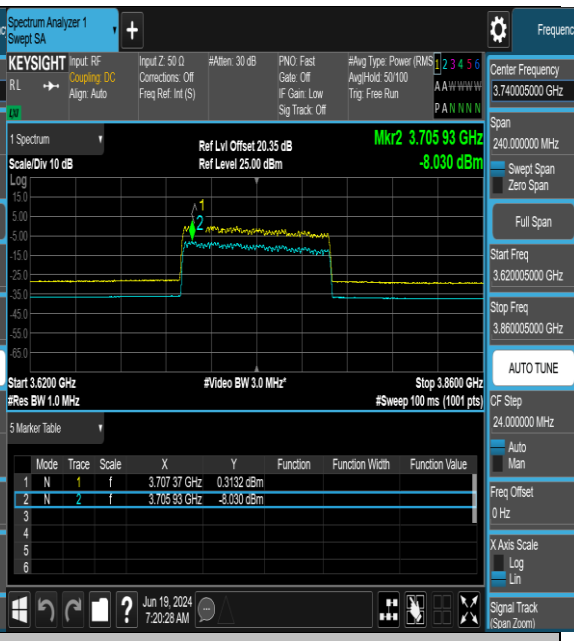

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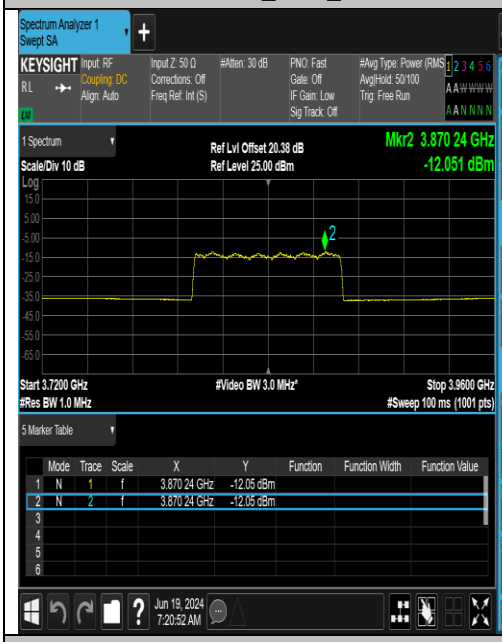

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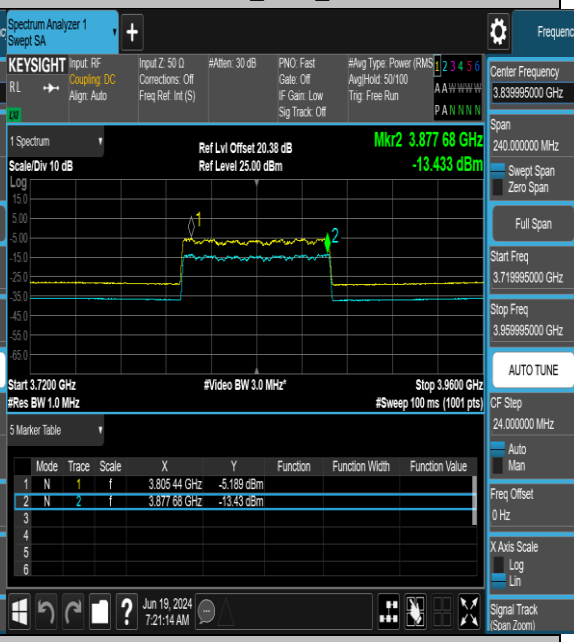

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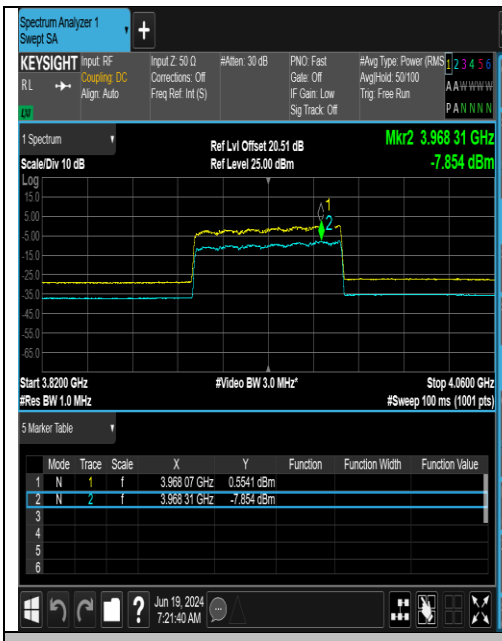

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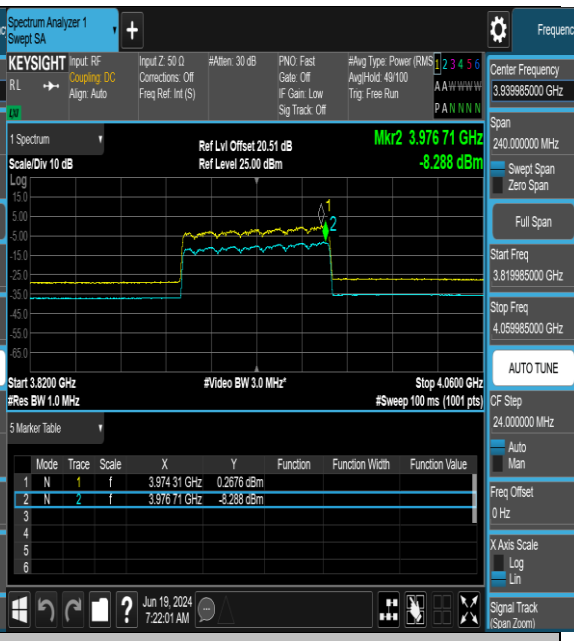

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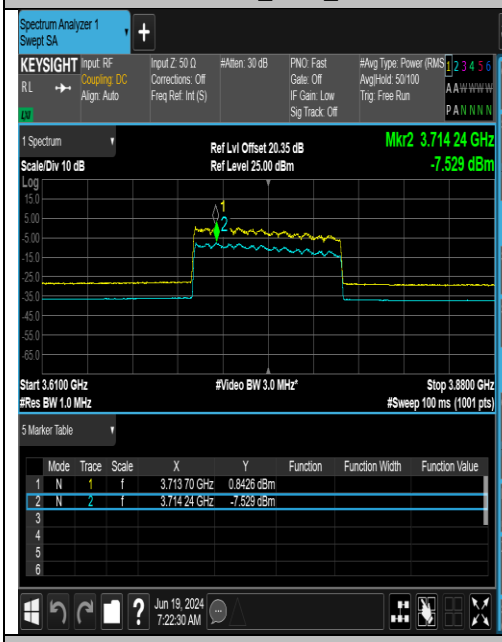

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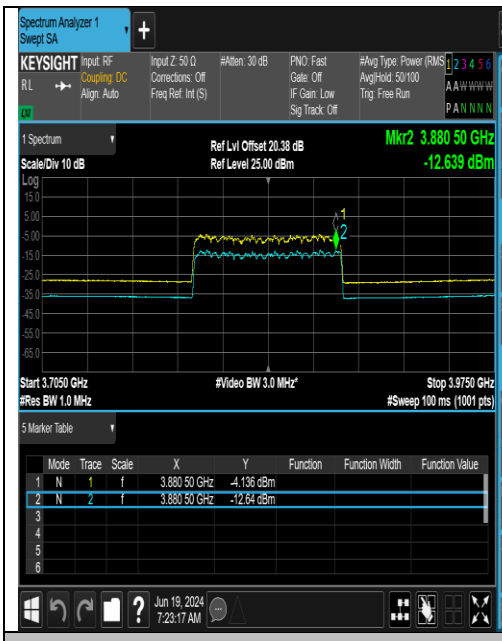

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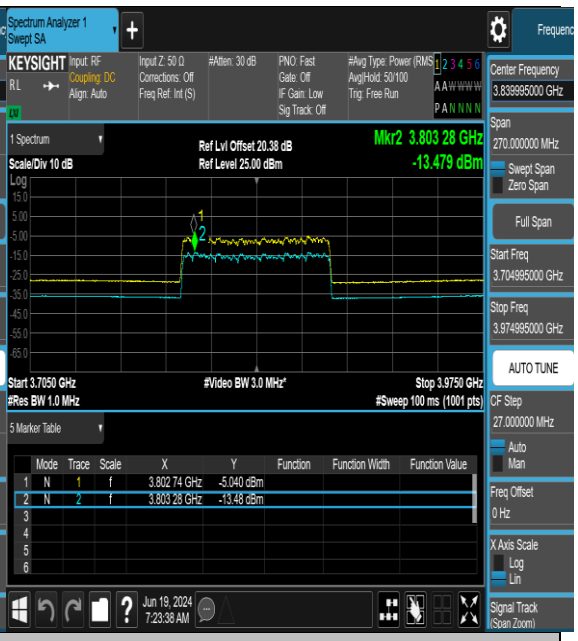

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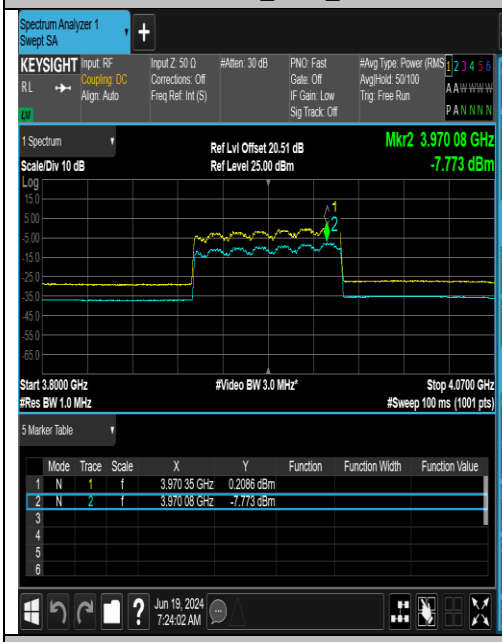

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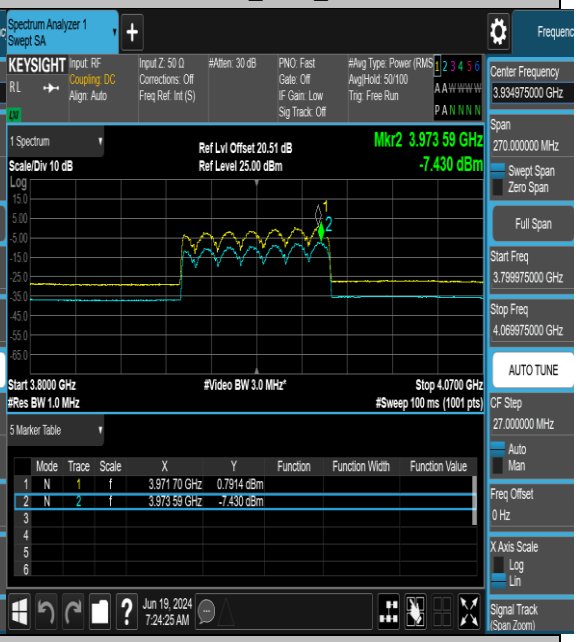

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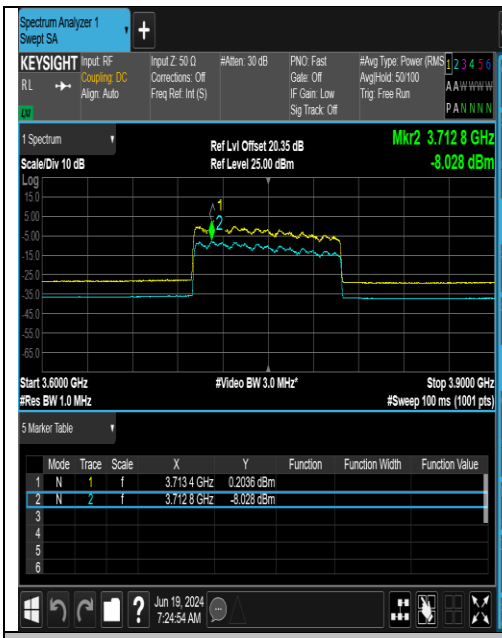

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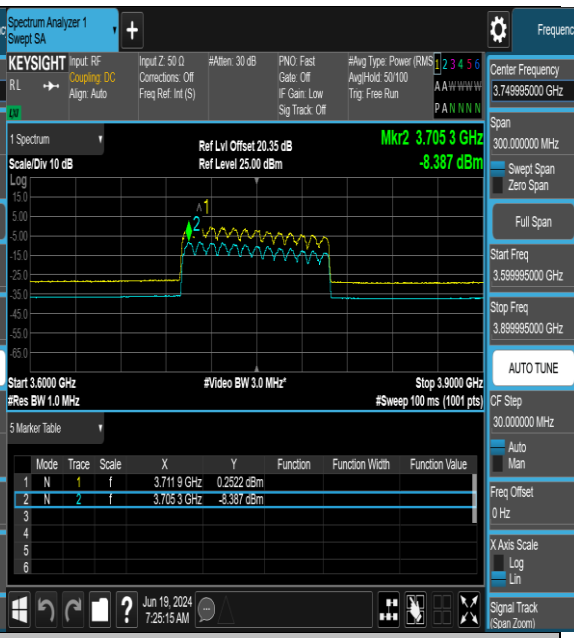

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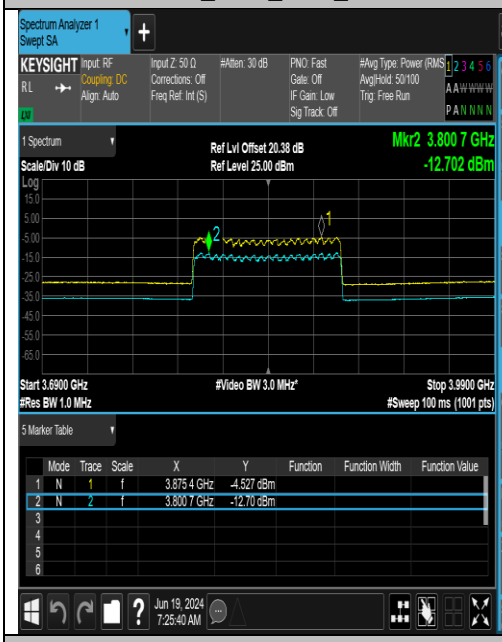

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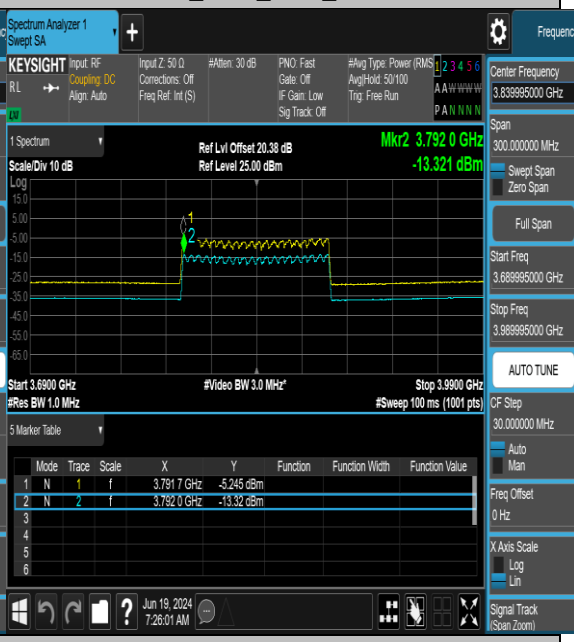

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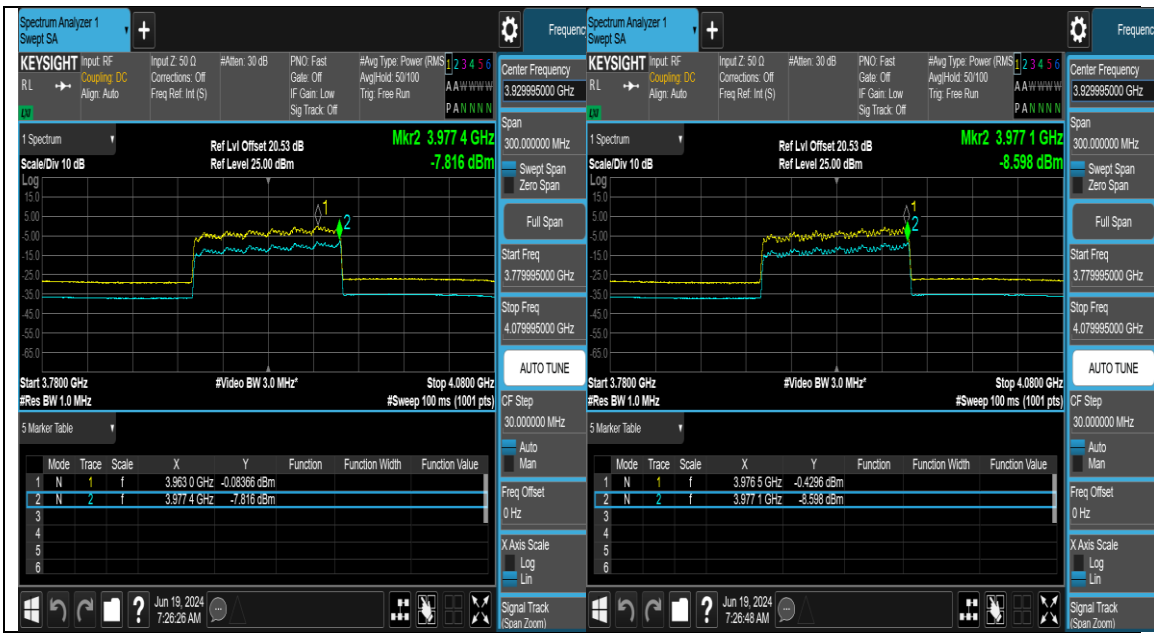
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Swept SA
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
#Atten: 30 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 50/100
Trig: Free Run
1 Spectrum
Ref Lvl Offset 20.53 dB
Ref Level 25.00 dBm
Mkr2 3.977 4 GHz
-7.816 dBm
Scale/Div 10 dB
Start 3.7800 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 4.0800 GHz
#Sweep 100 ms (1001 pts)
5 Marker Table
1 N 1 f 3.963 0 GHz -0.08366 dBm
2 N 2 f 3.977 4 GHz -7.816 dBm
Center Frequency
3.929995000 GHz
Span
300.000000 MHz
Full Span
Start Freq
3.779995000 GHz
Stop Freq
4.079995000 GHz
AUTO TUNE
CF Step
30.000000 MHz
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
Jun 19, 2024
7:26:26 AM
Mkr2 3.977 1 GHz
-8.598 dBm
1 N 1 f 3.976 5 GHz -0.4296 dBm
2 N 2 f 3.977 1 GHz -8.598 dBm
Jun 19, 2024
7:26:48 AM

Appendix C: 26dB Bandwidth and Occupied Bandwidth for NSA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
DC_5A_n77A-3700-3980	30	5+10	DFT-QPSK	M+L	Outer_Full	8.5860	9.770	PASS
DC_5A_n77A-3700-3980	30	5+10	DFT-16QAM	M+L	Outer_Full	8.5897	9.801	PASS
DC_5A_n77A-3700-3980	30	5+10	DFT-QPSK	M+M	Outer_Full	8.5906	9.761	PASS
DC_5A_n77A-3700-3980	30	5+10	DFT-16QAM	M+M	Outer_Full	8.6111	9.697	PASS
DC_5A_n77A-3700-3980	30	5+10	DFT-QPSK	M+H	Outer_Full	8.5964	9.879	PASS
DC_5A_n77A-3700-3980	30	5+10	DFT-16QAM	M+H	Outer_Full	8.6029	9.843	PASS
DC_5A_n77A-3700-3980	30	5+15	DFT-QPSK	M+L	Outer_Full	12.876	14.25	PASS
DC_5A_n77A-3700-3980	30	5+15	DFT-16QAM	M+L	Outer_Full	12.877	14.24	PASS
DC_5A_n77A-3700-3980	30	5+15	DFT-QPSK	M+M	Outer_Full	12.887	14.33	PASS
DC_5A_n77A-3700-3980	30	5+15	DFT-16QAM	M+M	Outer_Full	12.872	14.26	PASS
DC_5A_n77A-3700-3980	30	5+15	DFT-QPSK	M+H	Outer_Full	12.918	14.31	PASS
DC_5A_n77A-3700-3980	30	5+15	DFT-16QAM	M+H	Outer_Full	12.881	14.29	PASS
DC_5A_n77A-3700-3980	30	5+20	DFT-QPSK	M+L	Outer_Full	17.886	19.51	PASS
DC_5A_n77A-3700-3980	30	5+20	DFT-16QAM	M+L	Outer_Full	17.858	19.46	PASS
DC_5A_n77A-3700-3980	30	5+20	DFT-QPSK	M+M	Outer_Full	17.866	19.30	PASS
DC_5A_n77A-3700-3980	30	5+20	DFT-16QAM	M+M	Outer_Full	17.890	19.48	PASS
DC_5A_n77A-3700-3980	30	5+20	DFT-QPSK	M+H	Outer_Full	17.870	19.40	PASS

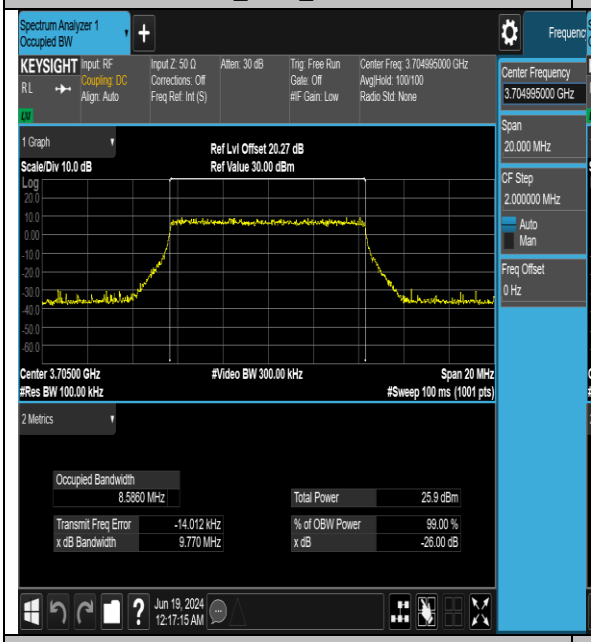
DC_5A_n77A-3700-3980	30	5+20	DFT-16QAM	M+H	Outer_Full	17.853	19.11	PASS
DC_5A_n77A-3700-3980	30	5+30	DFT-QPSK	M+L	Outer_Full	26.793	28.68	PASS
DC_5A_n77A-3700-3980	30	5+30	DFT-16QAM	M+L	Outer_Full	26.822	28.80	PASS
DC_5A_n77A-3700-3980	30	5+30	DFT-QPSK	M+M	Outer_Full	26.818	28.70	PASS
DC_5A_n77A-3700-3980	30	5+30	DFT-16QAM	M+M	Outer_Full	26.804	28.65	PASS
DC_5A_n77A-3700-3980	30	5+30	DFT-QPSK	M+H	Outer_Full	26.781	28.63	PASS
DC_5A_n77A-3700-3980	30	5+30	DFT-16QAM	M+H	Outer_Full	26.713	28.71	PASS
DC_5A_n77A-3700-3980	30	5+40	DFT-QPSK	M+L	Outer_Full	35.681	37.78	PASS
DC_5A_n77A-3700-3980	30	5+40	DFT-16QAM	M+L	Outer_Full	35.678	37.76	PASS
DC_5A_n77A-3700-3980	30	5+40	DFT-QPSK	M+M	Outer_Full	35.765	37.76	PASS
DC_5A_n77A-3700-3980	30	5+40	DFT-16QAM	M+M	Outer_Full	35.743	37.82	PASS
DC_5A_n77A-3700-3980	30	5+40	DFT-QPSK	M+H	Outer_Full	35.647	37.72	PASS
DC_5A_n77A-3700-3980	30	5+40	DFT-16QAM	M+H	Outer_Full	35.694	37.81	PASS
DC_5A_n77A-3700-3980	30	5+50	DFT-QPSK	M+L	Outer_Full	45.644	48.05	PASS
DC_5A_n77A-3700-3980	30	5+50	DFT-16QAM	M+L	Outer_Full	45.698	47.91	PASS
DC_5A_n77A-3700-3980	30	5+50	DFT-QPSK	M+M	Outer_Full	45.739	48.13	PASS
DC_5A_n77A-3700-3980	30	5+50	DFT-16QAM	M+M	Outer_Full	45.714	47.97	PASS
DC_5A_n77A-3700-3980	30	5+50	DFT-QPSK	M+H	Outer_Full	45.667	47.85	PASS
DC_5A_n77A-3700-3980	30	5+50	DFT-16QAM	M+H	Outer_Full	45.646	48.01	PASS
DC_5A_n77A-3700-3980	30	5+60	DFT-QPSK	M+L	Outer_Full	57.712	60.21	PASS
DC_5A_n77A-3700-3980	30	5+60	DFT-16QAM	M+L	Outer_Full	57.772	60.24	PASS
DC_5A_n77A-3700-39	30	5+60	DFT-QPSK	M+M	Outer_Full	57.879	60.47	PASS

80								
DC_5A_n77A-3700-3980	30	5+60	DFT-16QAM	M+M	Outer_Full	57.943	60.68	PASS
DC_5A_n77A-3700-3980	30	5+60	DFT-QPSK	M+H	Outer_Full	57.731	60.26	PASS
DC_5A_n77A-3700-3980	30	5+60	DFT-16QAM	M+H	Outer_Full	57.737	60.35	PASS
DC_5A_n77A-3700-3980	30	5+70	DFT-QPSK	M+L	Outer_Full	64.194	66.90	PASS
DC_5A_n77A-3700-3980	30	5+70	DFT-16QAM	M+L	Outer_Full	64.092	67.08	PASS
DC_5A_n77A-3700-3980	30	5+70	DFT-QPSK	M+M	Outer_Full	64.421	67.04	PASS
DC_5A_n77A-3700-3980	30	5+70	DFT-16QAM	M+M	Outer_Full	64.446	67.09	PASS
DC_5A_n77A-3700-3980	30	5+70	DFT-QPSK	M+H	Outer_Full	64.173	66.94	PASS
DC_5A_n77A-3700-3980	30	5+70	DFT-16QAM	M+H	Outer_Full	64.331	67.06	PASS
DC_5A_n77A-3700-3980	30	5+80	DFT-QPSK	M+L	Outer_Full	76.854	80.17	PASS
DC_5A_n77A-3700-3980	30	5+80	DFT-16QAM	M+L	Outer_Full	77.007	80.06	PASS
DC_5A_n77A-3700-3980	30	5+80	DFT-QPSK	M+M	Outer_Full	77.260	80.43	PASS
DC_5A_n77A-3700-3980	30	5+80	DFT-16QAM	M+M	Outer_Full	77.359	80.25	PASS
DC_5A_n77A-3700-3980	30	5+80	DFT-QPSK	M+H	Outer_Full	77.106	80.12	PASS
DC_5A_n77A-3700-3980	30	5+80	DFT-16QAM	M+H	Outer_Full	77.004	80.10	PASS
DC_5A_n77A-3700-3980	30	5+90	DFT-QPSK	M+L	Outer_Full	86.555	89.65	PASS
DC_5A_n77A-3700-3980	30	5+90	DFT-16QAM	M+L	Outer_Full	86.462	90.00	PASS
DC_5A_n77A-3700-3980	30	5+90	DFT-QPSK	M+M	Outer_Full	86.983	90.30	PASS
DC_5A_n77A-3700-3980	30	5+90	DFT-16QAM	M+M	Outer_Full	86.956	90.39	PASS
DC_5A_n77A-3700-3980	30	5+90	DFT-QPSK	M+H	Outer_Full	86.829	90.16	PASS
DC_5A_n77A-3700-3980	30	5+90	DFT-16QAM	M+H	Outer_Full	86.685	89.97	PASS

DC_5A_n77A-3700-3980	30	5+100	DFT-QPSK	M+L	Outer_Full	95.983	99.74	PASS
DC_5A_n77A-3700-3980	30	5+100	DFT-16QAM	M+L	Outer_Full	95.985	99.88	PASS
DC_5A_n77A-3700-3980	30	5+100	DFT-QPSK	M+M	Outer_Full	96.840	100.1	PASS
DC_5A_n77A-3700-3980	30	5+100	DFT-16QAM	M+M	Outer_Full	96.774	100.2	PASS
DC_5A_n77A-3700-3980	30	5+100	DFT-QPSK	M+H	Outer_Full	96.241	99.53	PASS
DC_5A_n77A-3700-3980	30	5+100	DFT-16QAM	M+H	Outer_Full	96.220	99.87	PASS

Test Graphs

NTNV_DC_5A_n77A-3700-3980_PC2_30_5+10_M+L_TID1_Ant1#1



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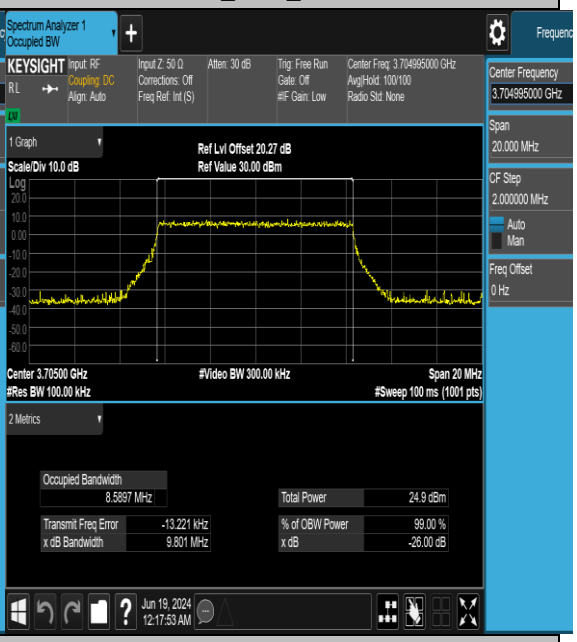

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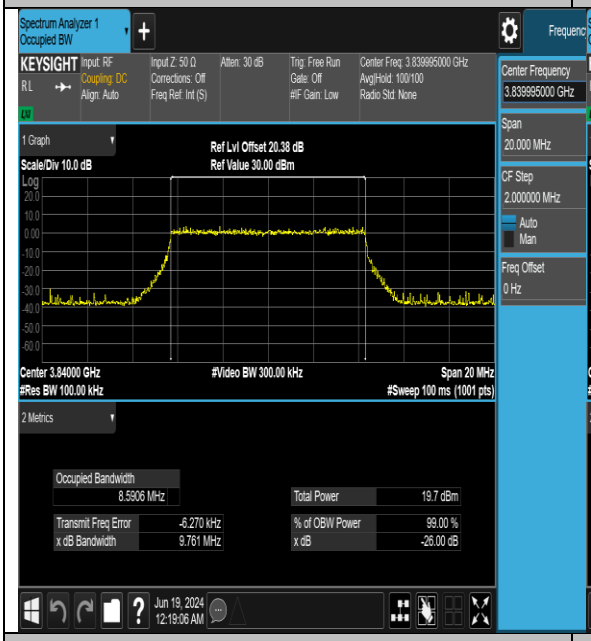

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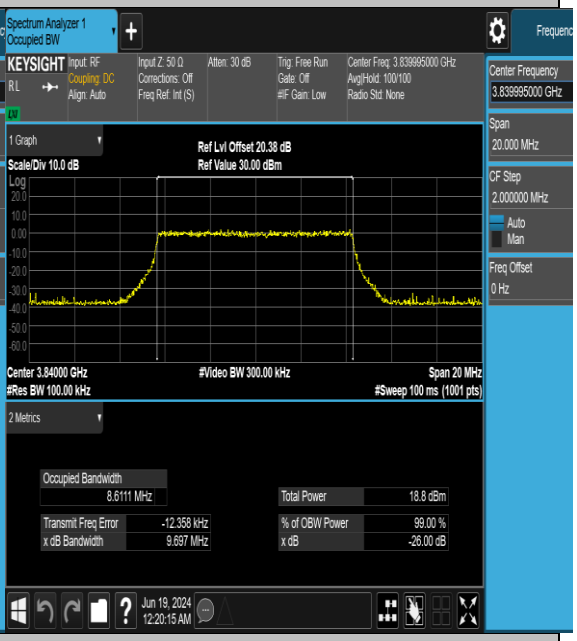

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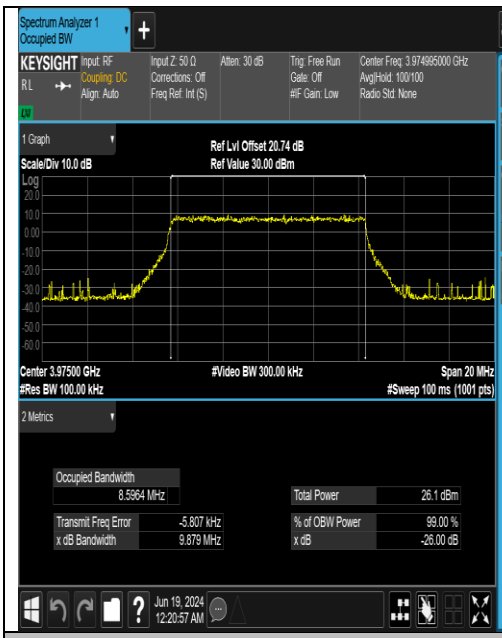

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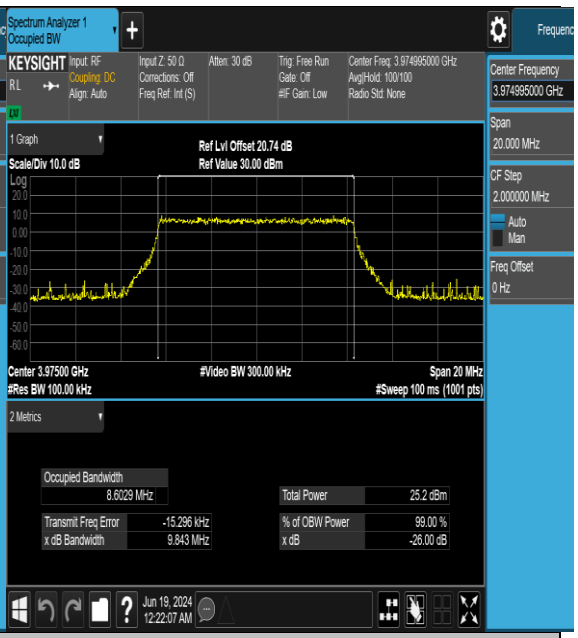

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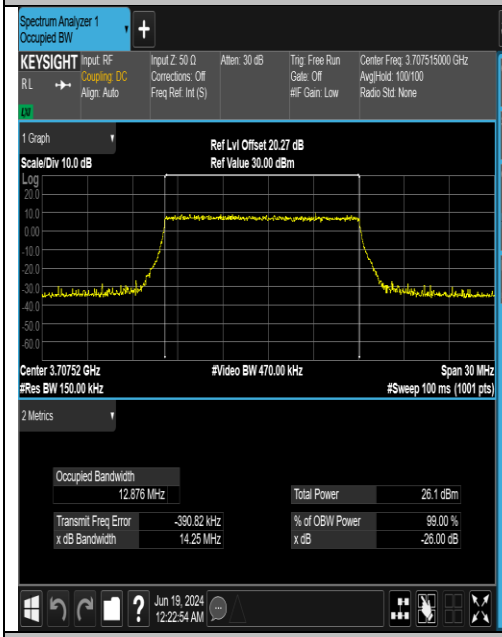

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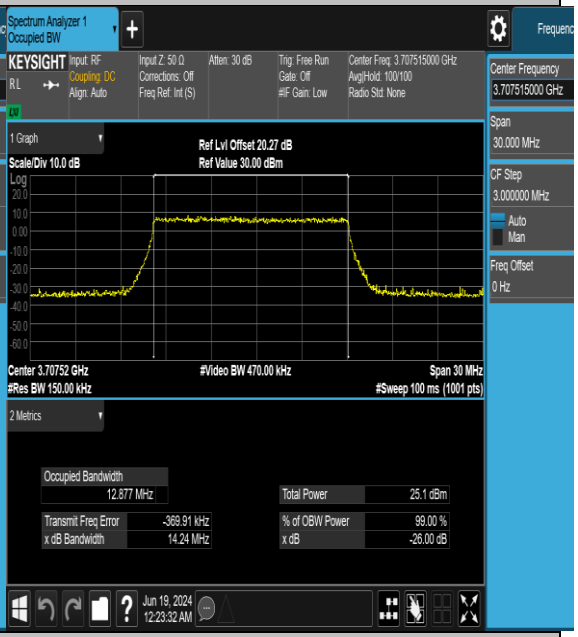

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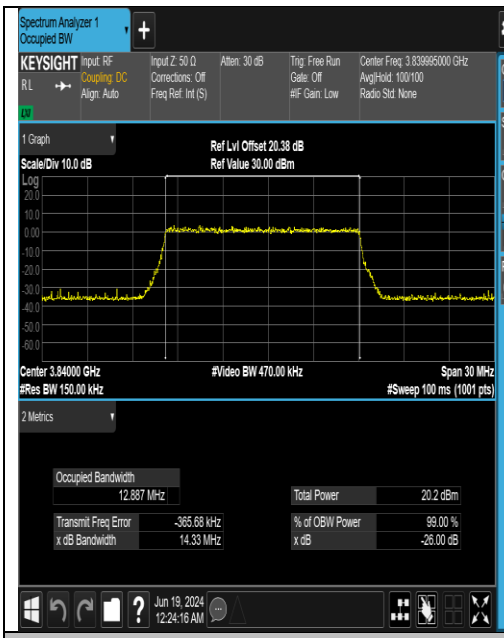

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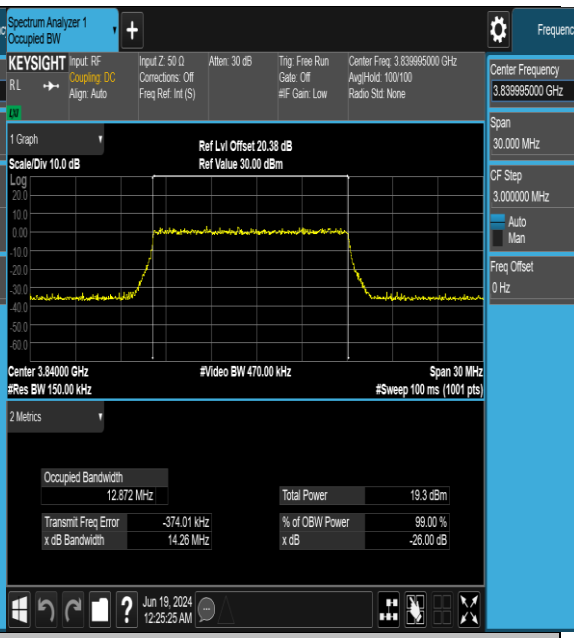

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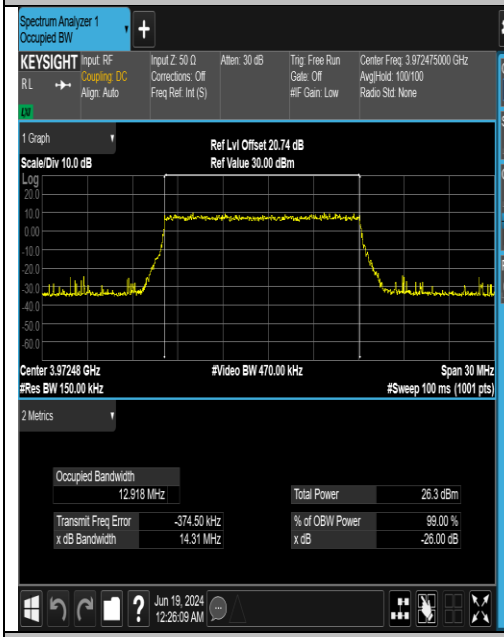

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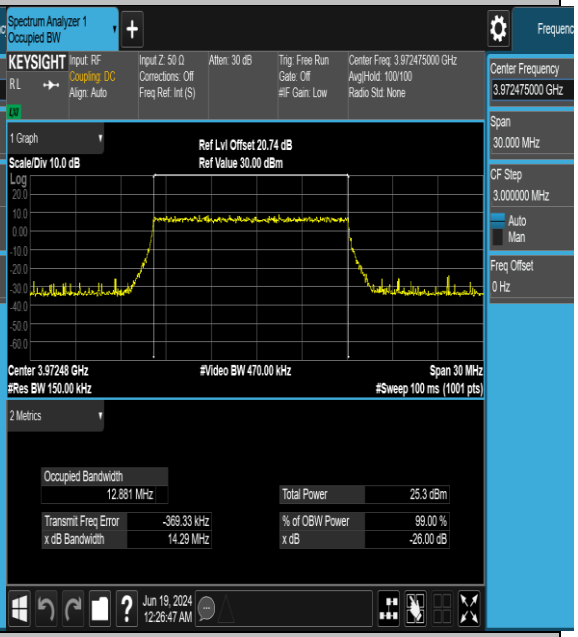

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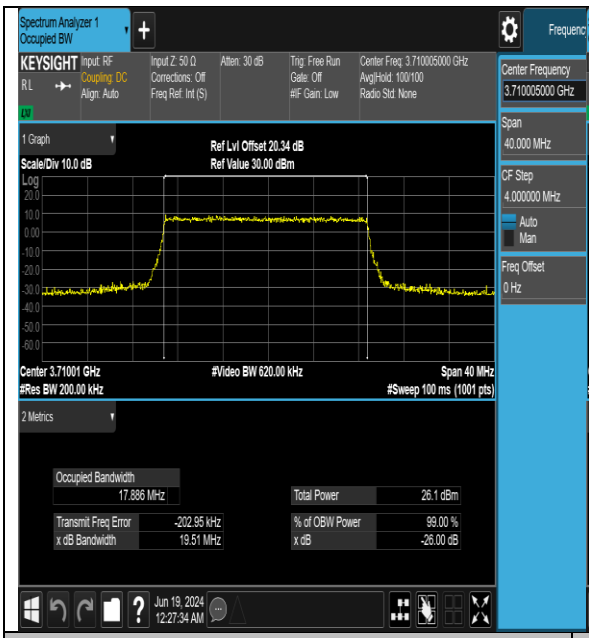

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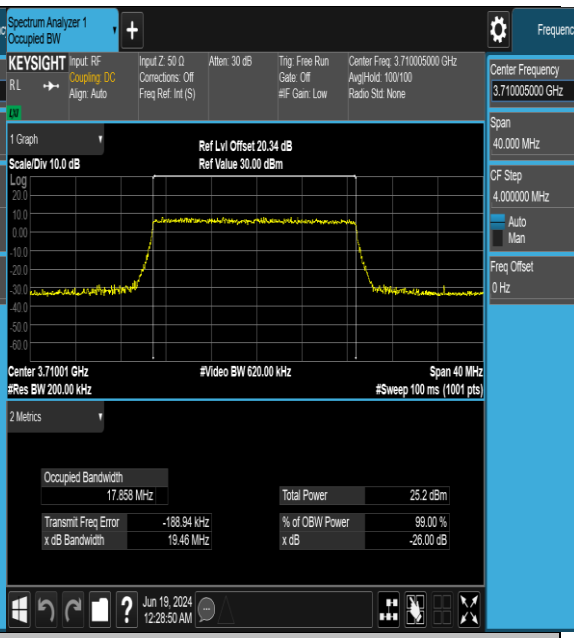

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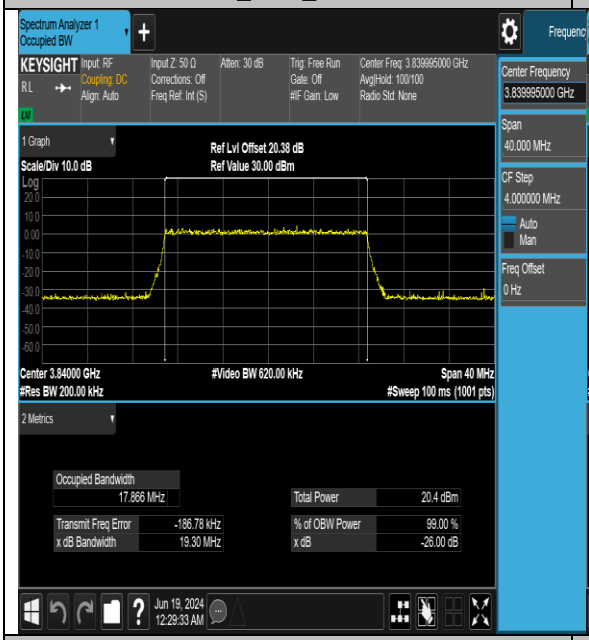

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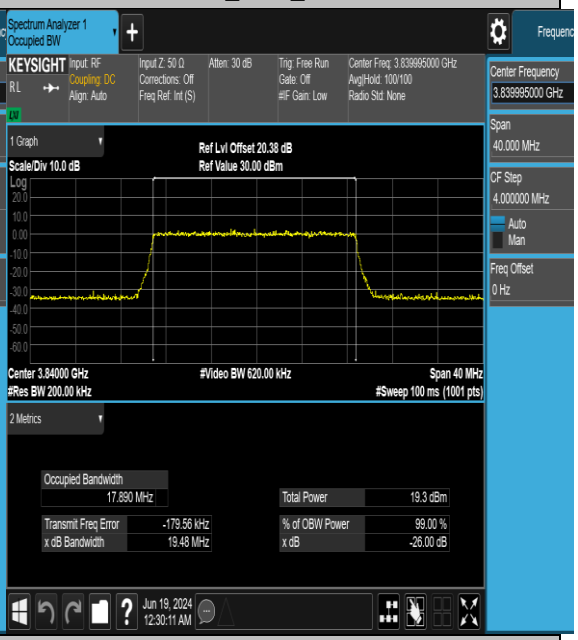

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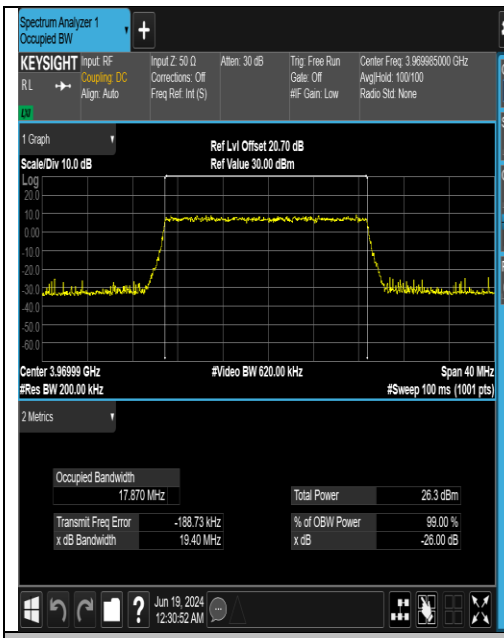

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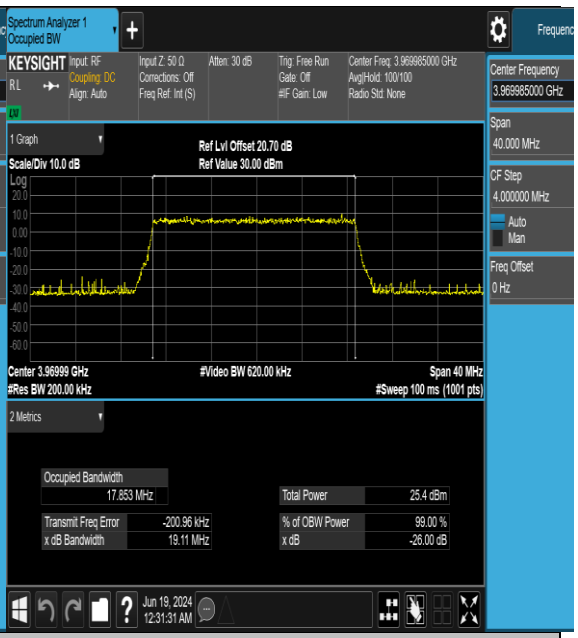

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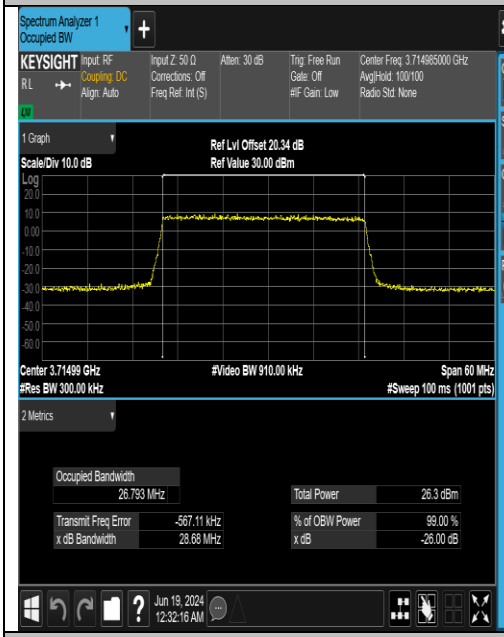

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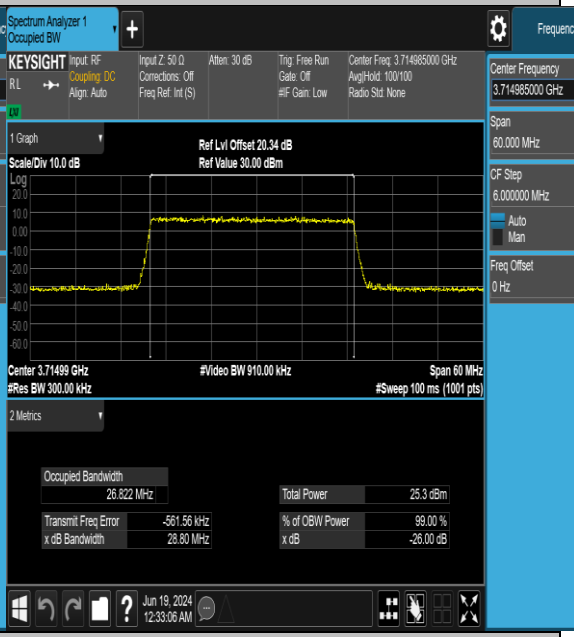

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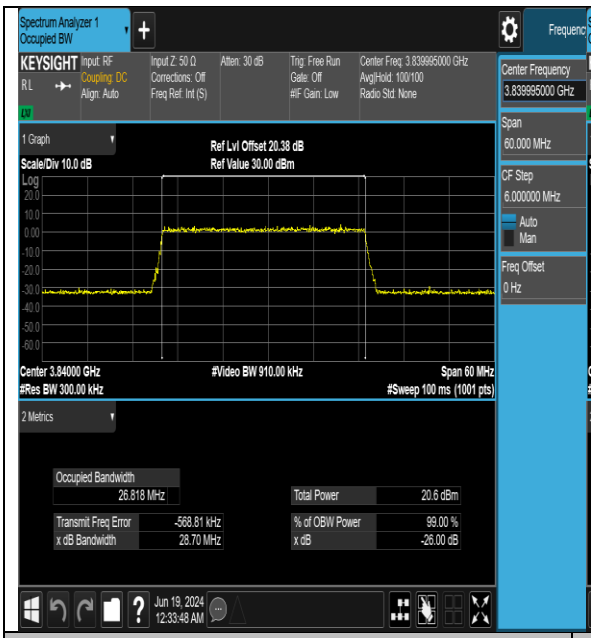

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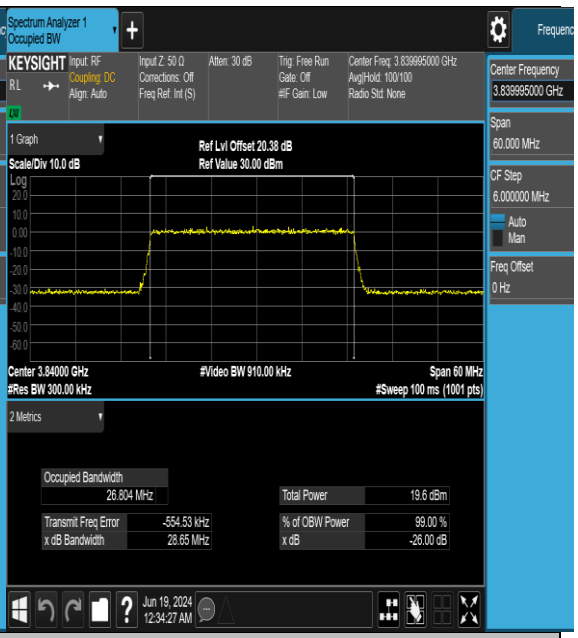

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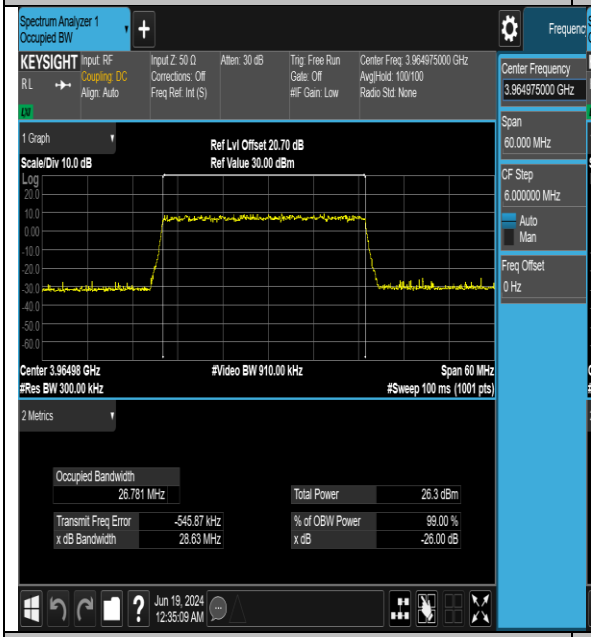

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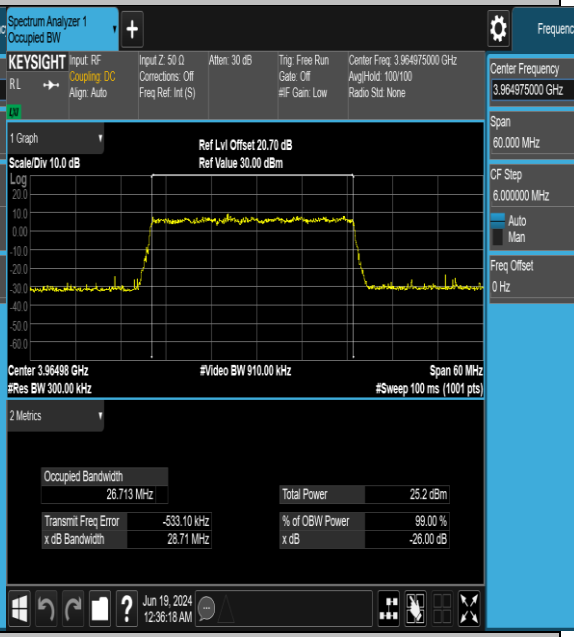

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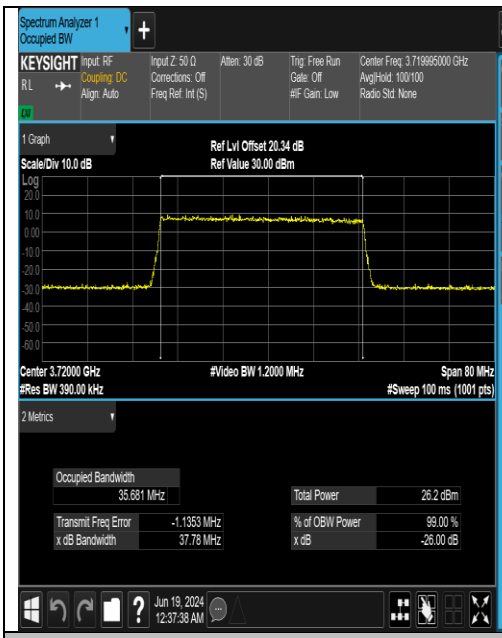

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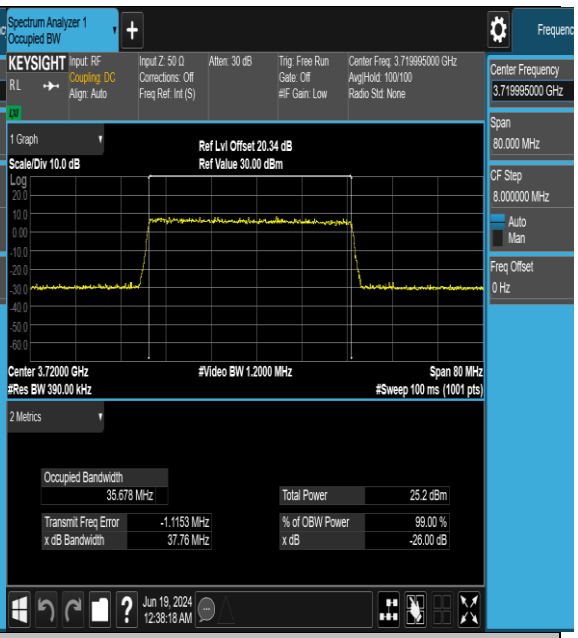

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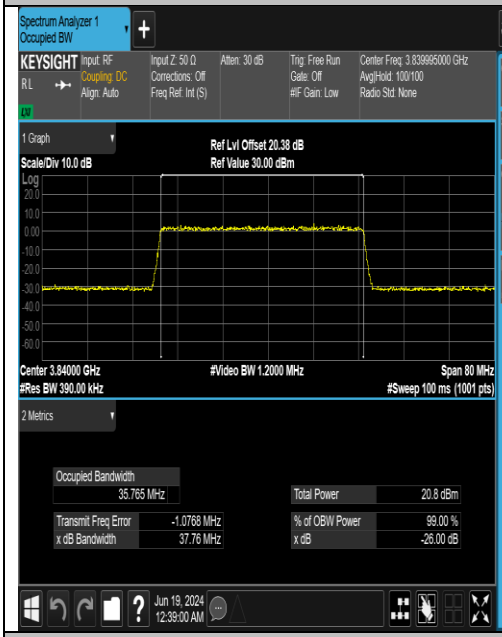

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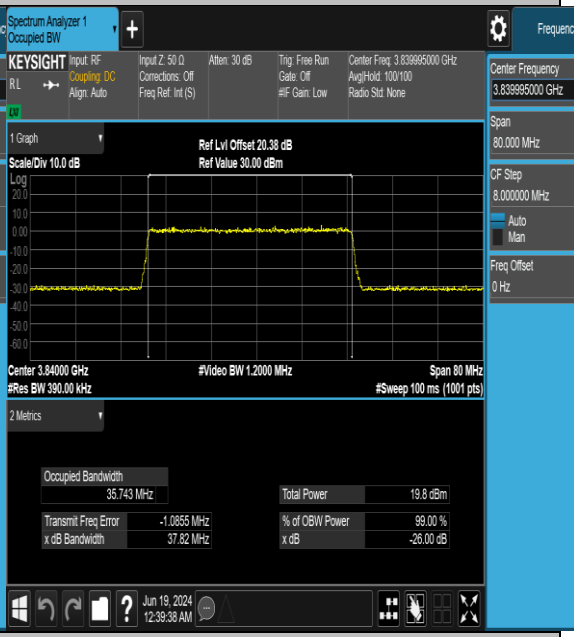

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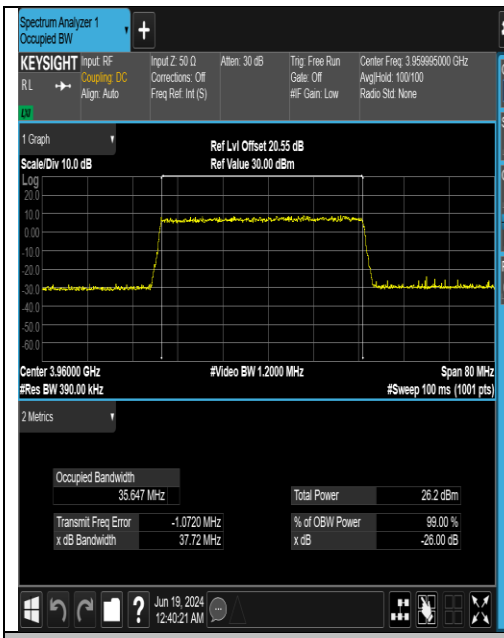

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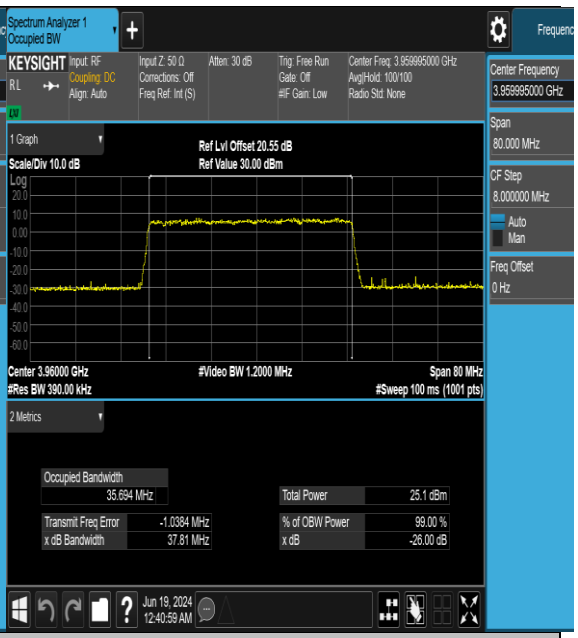

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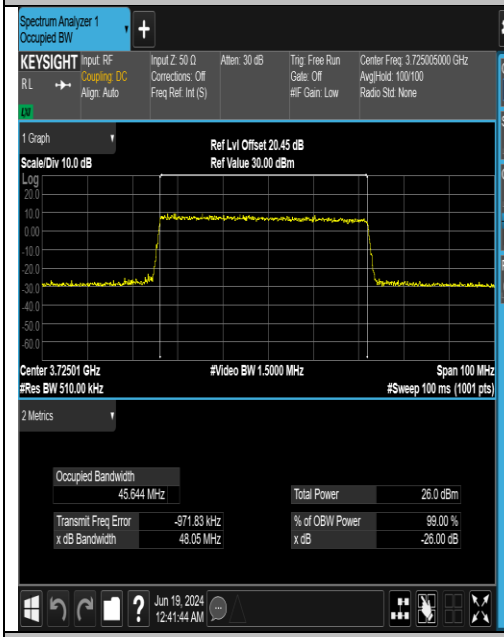

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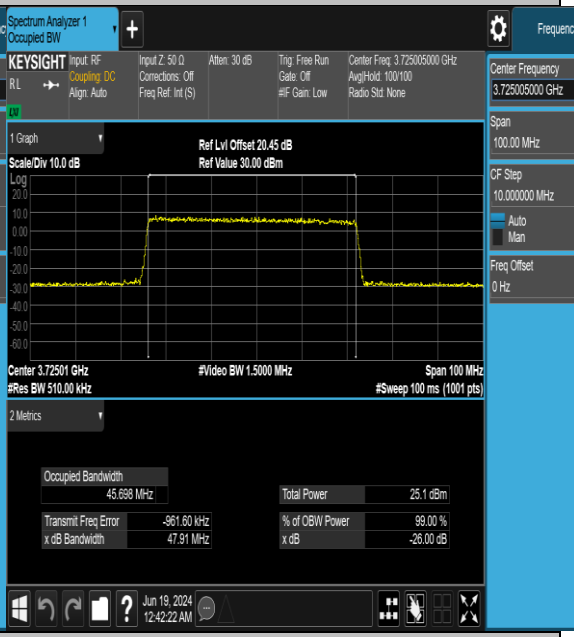

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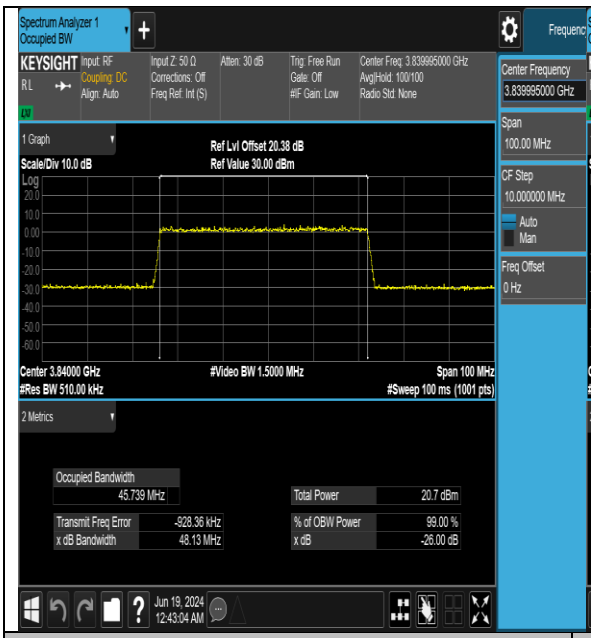

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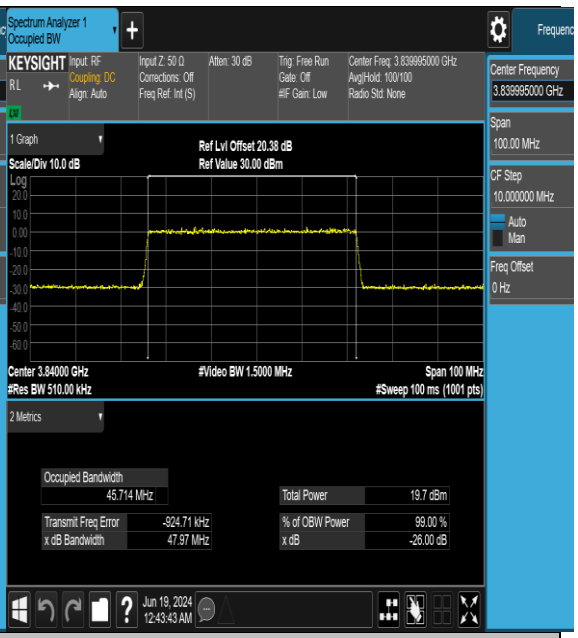

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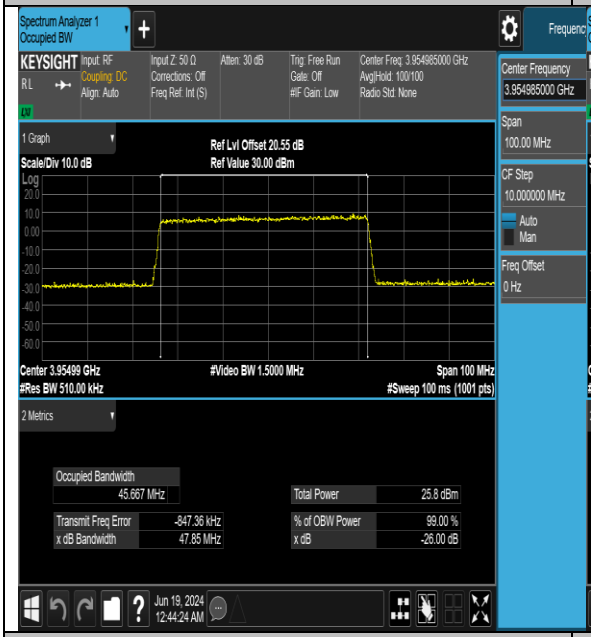

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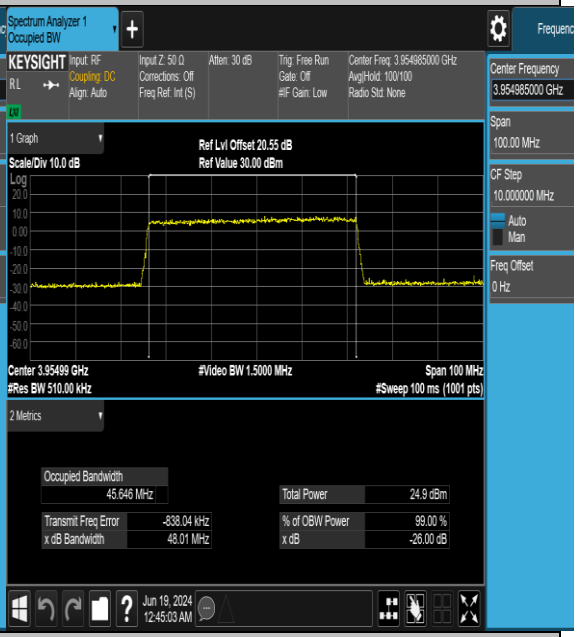

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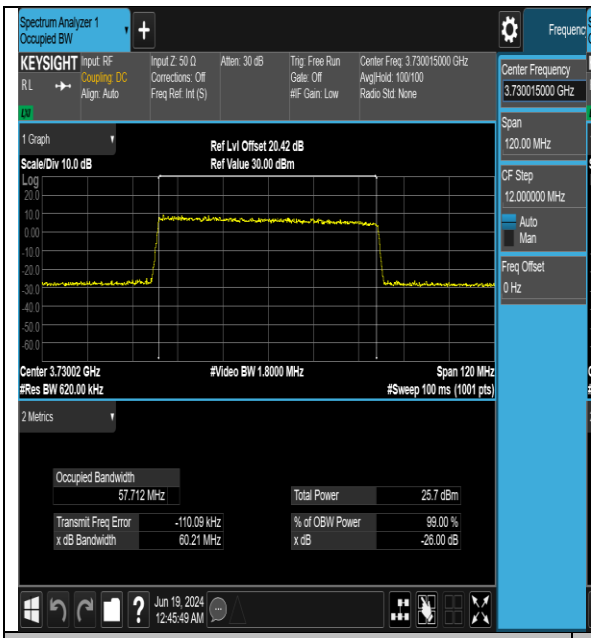

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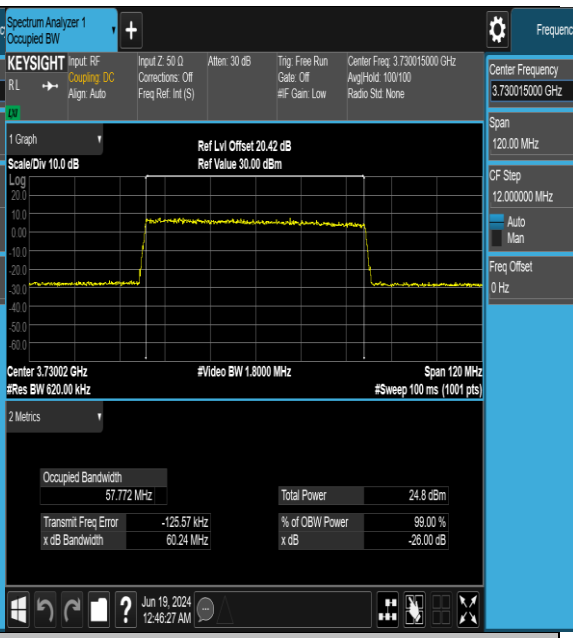

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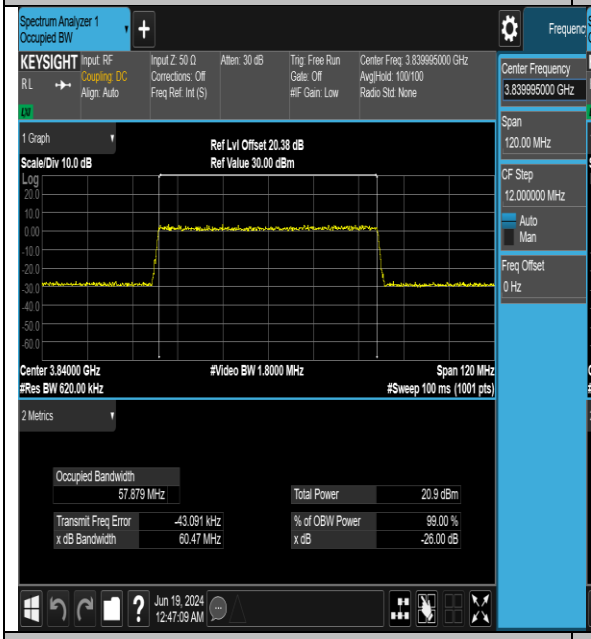

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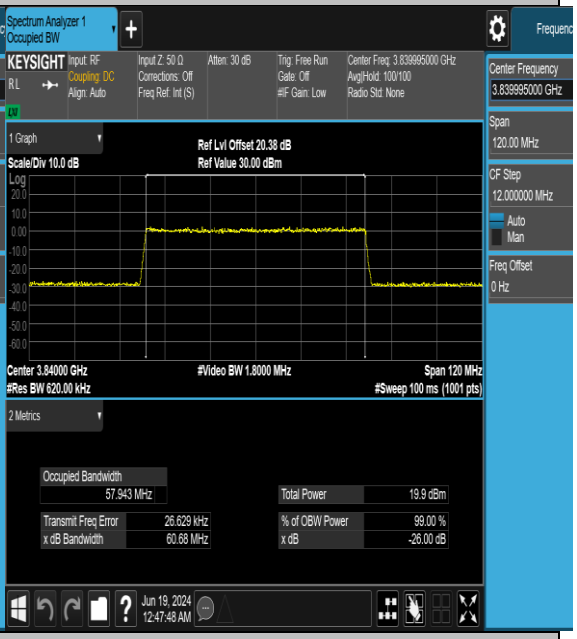

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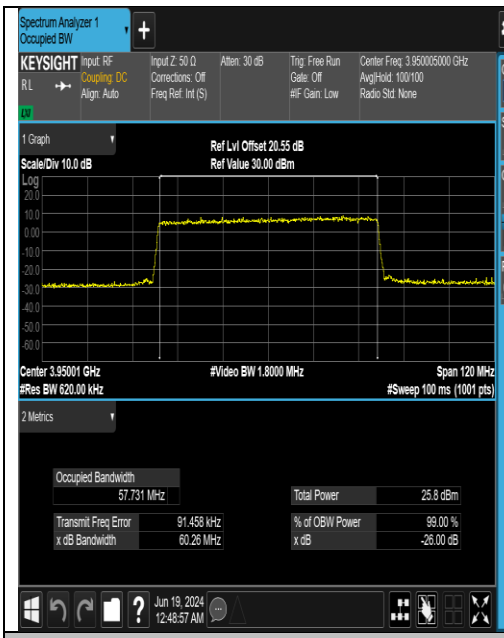

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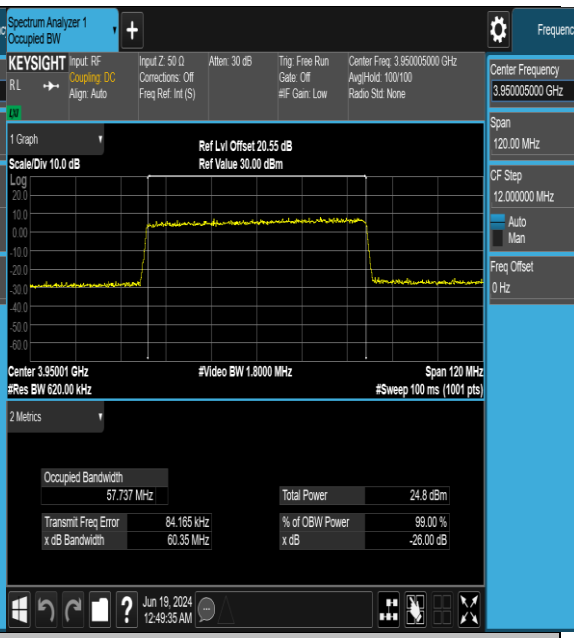

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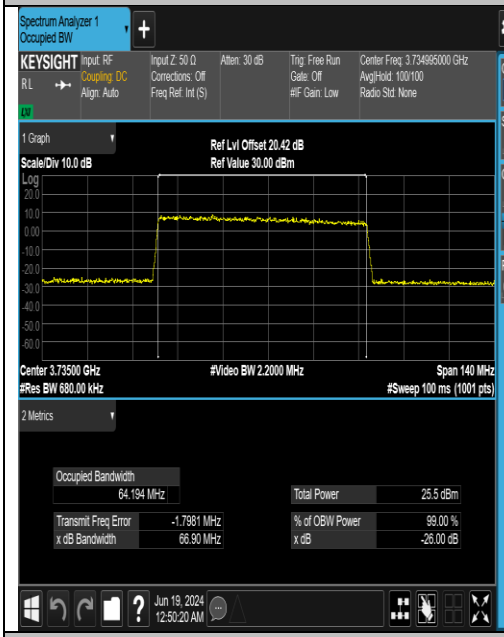

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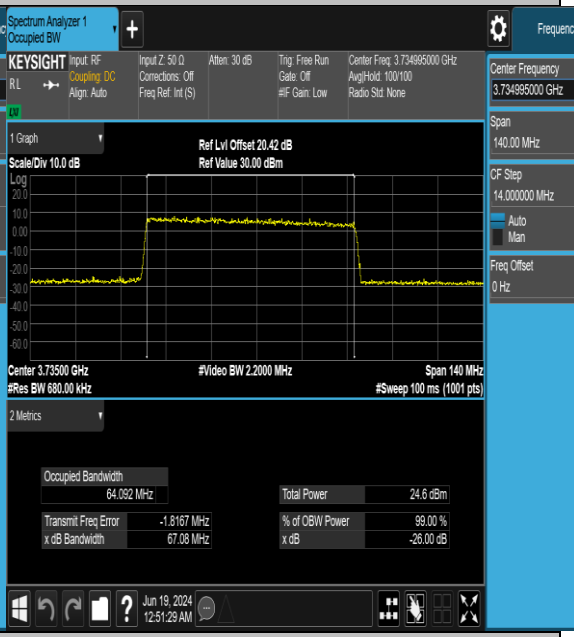

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