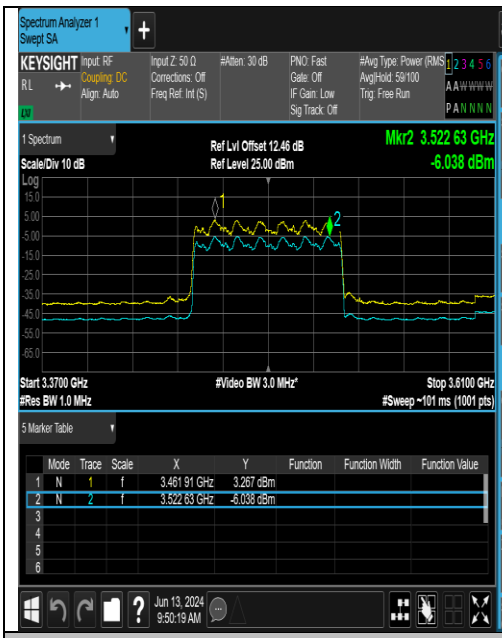

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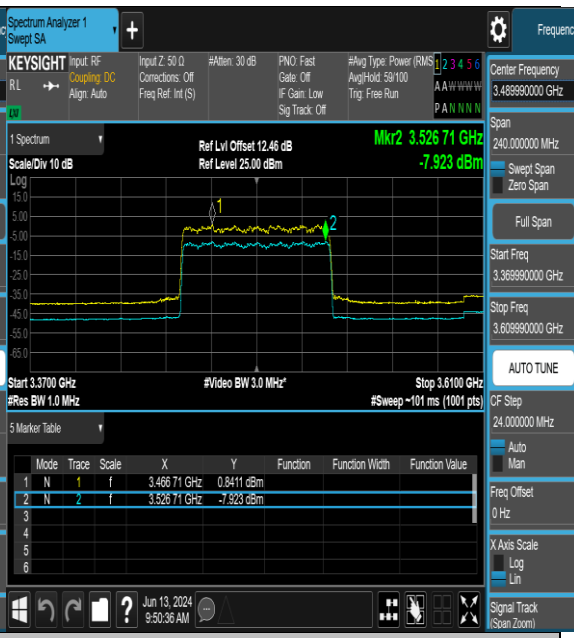

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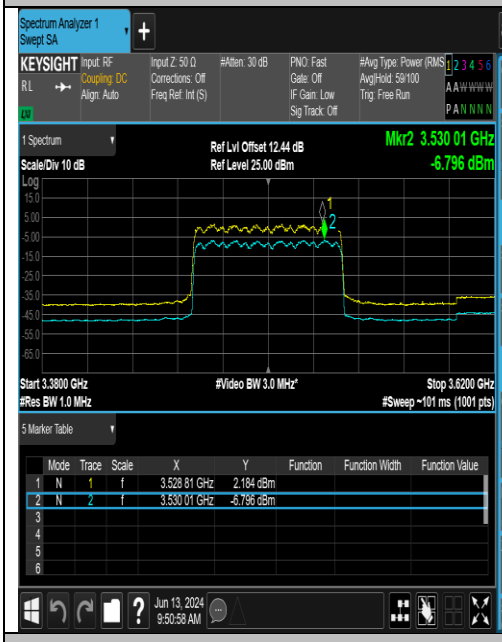

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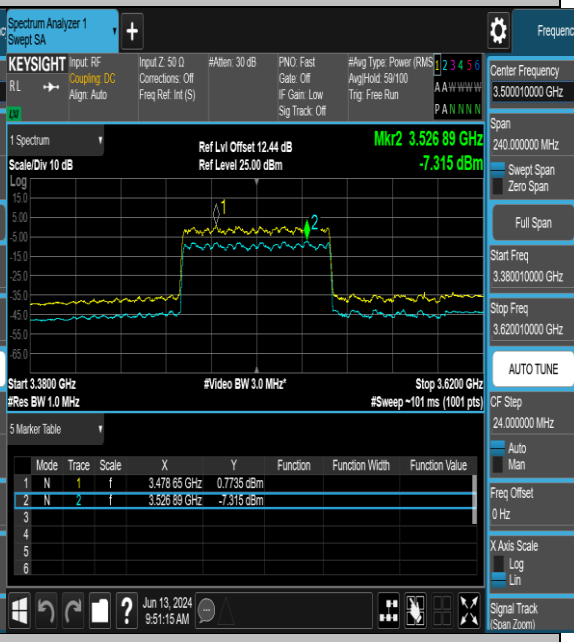

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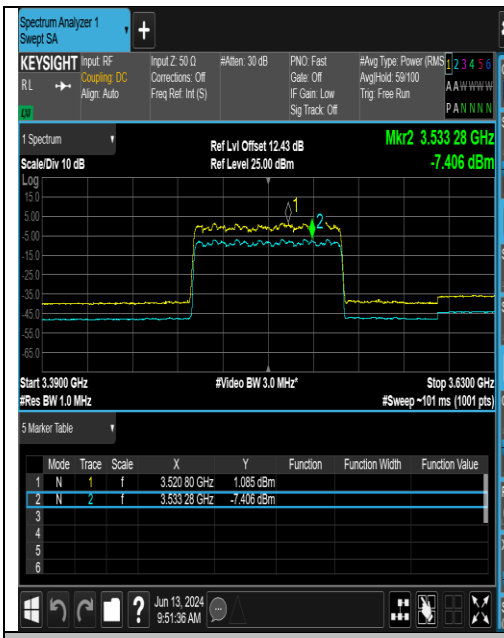

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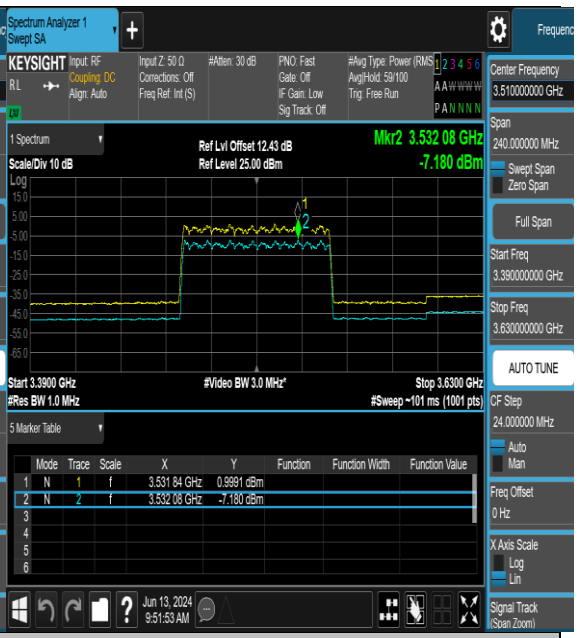

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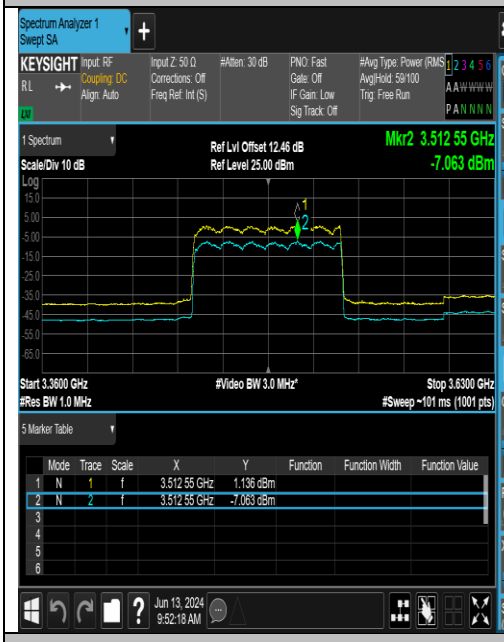

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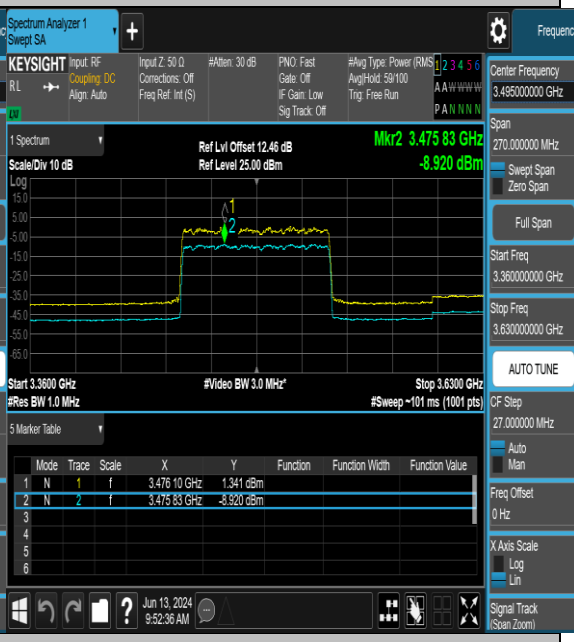

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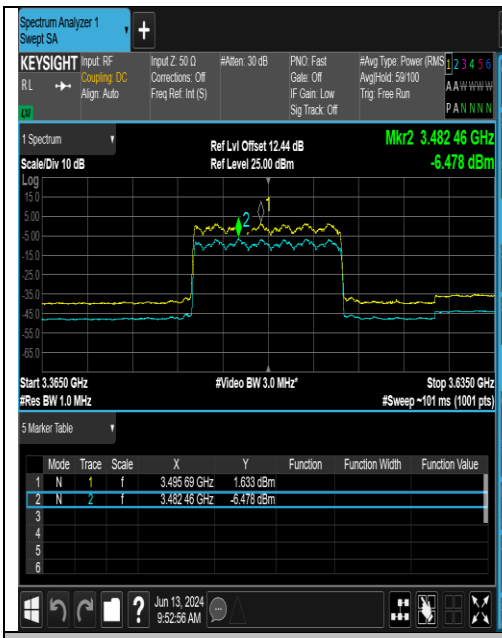

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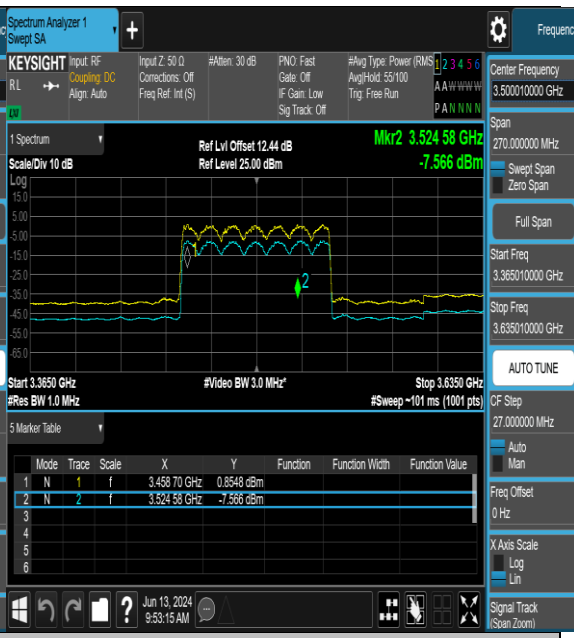

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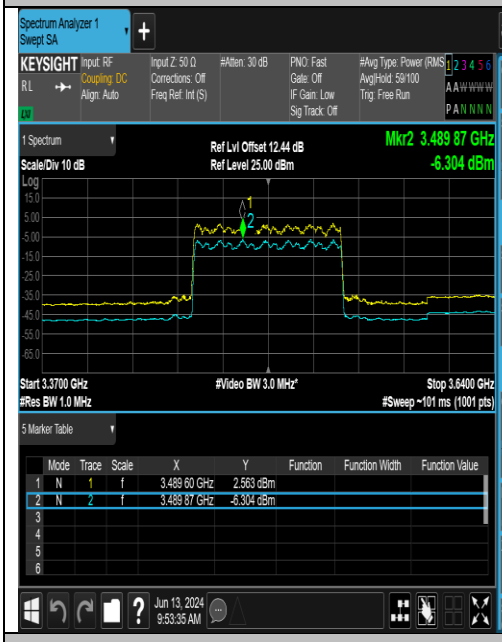

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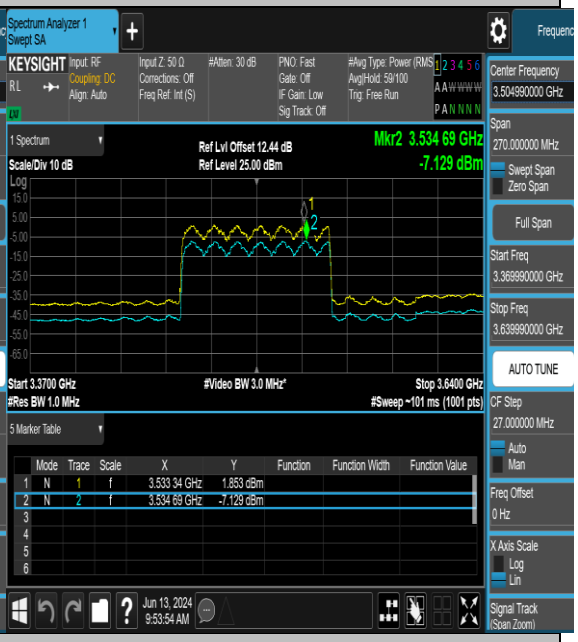

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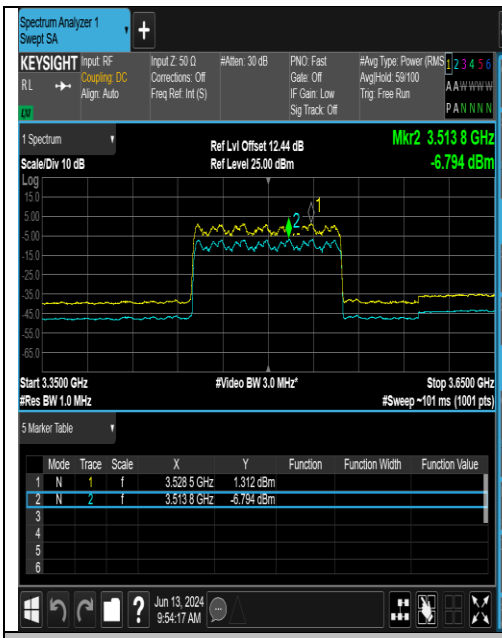

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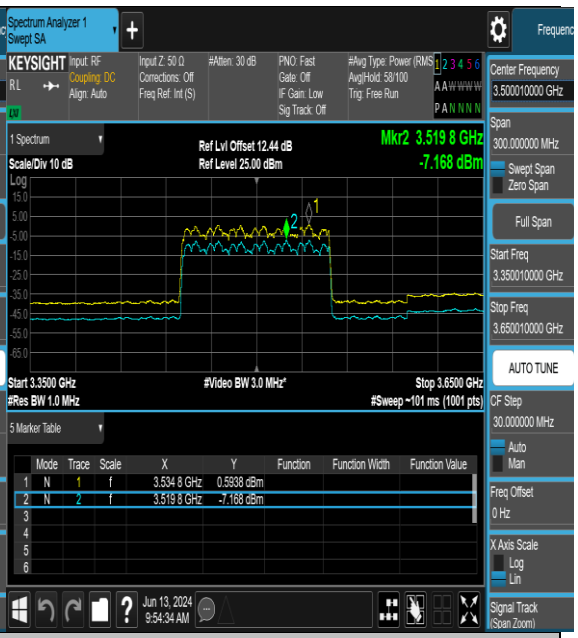

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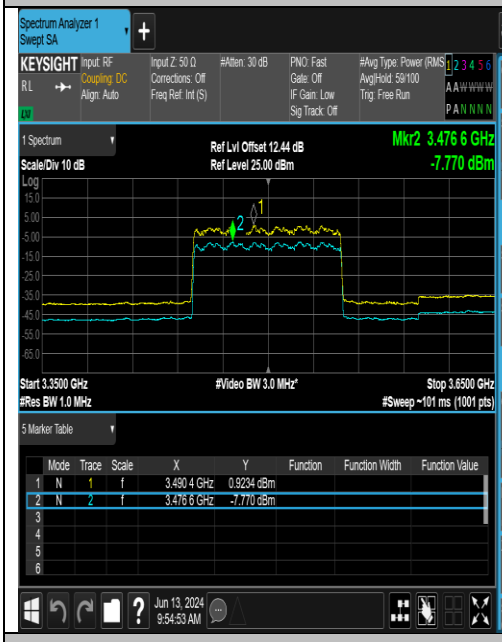

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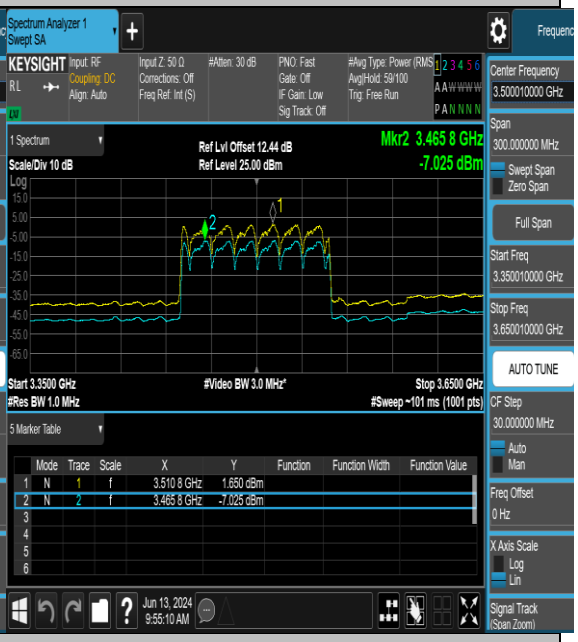

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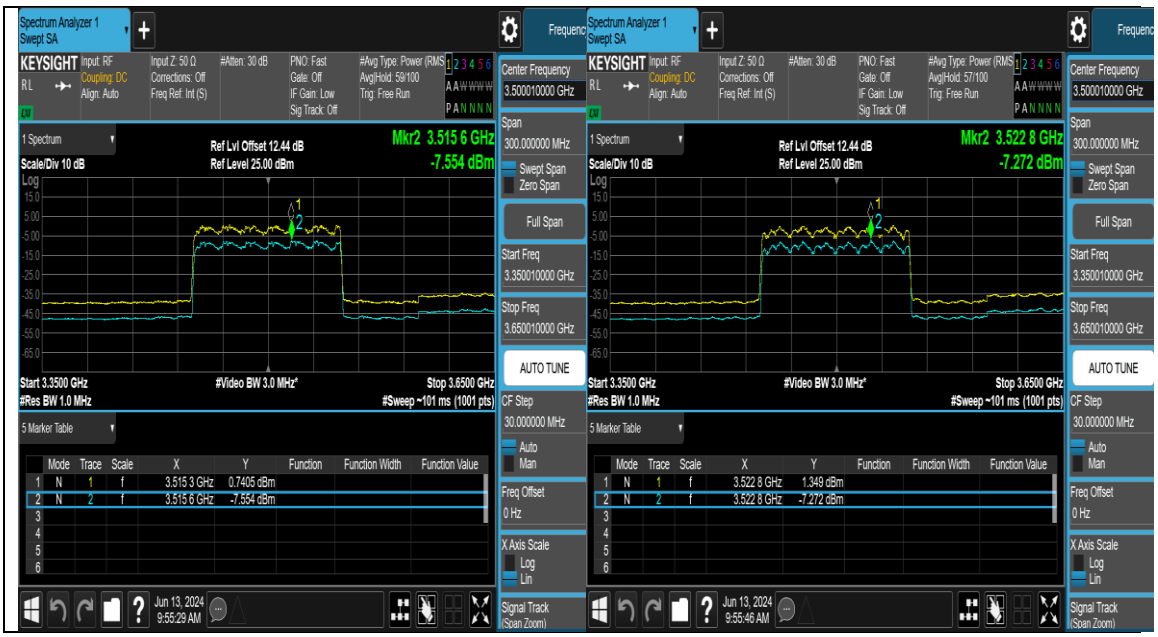
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Swept SA
KEYSIGHT
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Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
#Atten: 30 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off
#Avg Type: Power (RMS)
Avg|Hold: 59/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 12.44 dB
Ref Level 25.00 dBm
Mkr2 3.515 6 GHz
-7.554 dBm
Start 3.3500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 3.6500 GHz
#Sweep ~101 ms (1001 pts)
5 Marker Table
1 N 1 f 3.515 3 GHz 0.7405 dBm
2 N 2 f 3.515 6 GHz -7.554 dBm
Center Frequency
3.500010000 GHz
Span
300.000000 MHz
Full Span
Start Freq
3.350010000 GHz
Stop Freq
3.650010000 GHz
AUTO TUNE
CF Step
30.000000 MHz
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
Jun 13, 2024
9:55:29 AM
Spectrum Analyzer 1
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: 57/100
Trig: Free Run
1 Spectrum
Scale/Div 10 dB
Ref Lvl Offset 12.44 dB
Ref Level 25.00 dBm
Mkr2 3.522 8 GHz
-7.272 dBm
Start 3.3500 GHz
#Res BW 1.0 MHz
#Video BW 3.0 MHz*
Stop 3.6500 GHz
#Sweep ~101 ms (1001 pts)
5 Marker Table
1 N 1 f 3.522 8 GHz 1.349 dBm
2 N 2 f 3.522 8 GHz -7.272 dBm
Center Frequency
3.500010000 GHz
Span
300.000000 MHz
Full Span
Start Freq
3.350010000 GHz
Stop Freq
3.650010000 GHz
AUTO TUNE
CF Step
30.000000 MHz
Freq Offset
0 Hz
X Axis Scale
Log
Lin
Signal Track
(Span Zoom)
Jun 13, 2024
9:55:46 AM

Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N78-3450 -3550	30	10	DFT-QPSK	L	Outer_Full	8.6001	9.629	PASS
N78-3450 -3550	30	10	DFT-16QAM	L	Outer_Full	8.5649	9.569	PASS
N78-3450 -3550	30	10	DFT-QPSK	M	Outer_Full	8.6429	9.871	PASS
N78-3450 -3550	30	10	DFT-16QAM	M	Outer_Full	8.6131	9.609	PASS
N78-3450 -3550	30	10	DFT-QPSK	H	Outer_Full	8.5995	9.722	PASS
N78-3450 -3550	30	10	DFT-16QAM	H	Outer_Full	8.5716	9.659	PASS
N78-3450 -3550	30	15	DFT-QPSK	L	Outer_Full	12.834	14.16	PASS
N78-3450 -3550	30	15	DFT-16QAM	L	Outer_Full	12.911	14.23	PASS
N78-3450 -3550	30	15	DFT-QPSK	M	Outer_Full	12.872	14.02	PASS
N78-3450 -3550	30	15	DFT-16QAM	M	Outer_Full	12.870	14.21	PASS
N78-3450 -3550	30	15	DFT-QPSK	H	Outer_Full	12.913	14.30	PASS
N78-3450 -3550	30	15	DFT-16QAM	H	Outer_Full	12.870	14.14	PASS
N78-3450 -3550	30	20	DFT-QPSK	L	Outer_Full	17.868	18.89	PASS
N78-3450 -3550	30	20	DFT-16QAM	L	Outer_Full	17.864	19.32	PASS
N78-3450 -3550	30	20	DFT-QPSK	M	Outer_Full	17.917	19.55	PASS
N78-3450 -3550	30	20	DFT-16QAM	M	Outer_Full	17.838	19.08	PASS
N78-3450 -3550	30	20	DFT-QPSK	H	Outer_Full	17.811	19.05	PASS
N78-3450 -3550	30	20	DFT-16QAM	H	Outer_Full	17.808	19.22	PASS

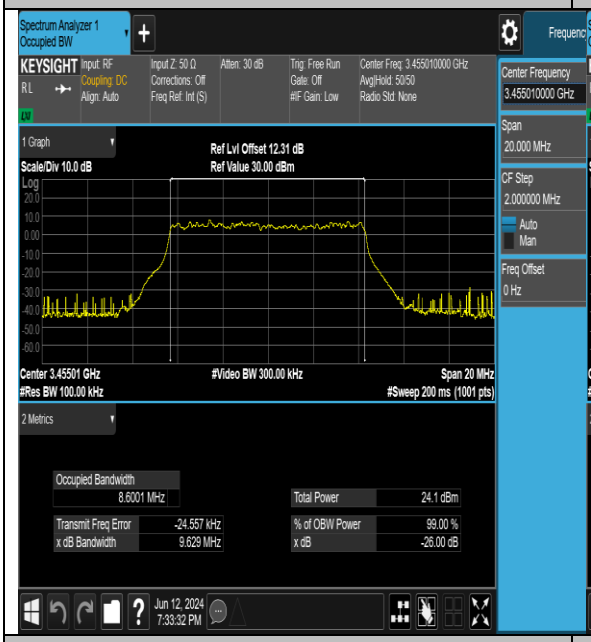
N78-3450 -3550	30	30	DFT-QPSK	L	Outer_Full	26.809	28.55	PASS
N78-3450 -3550	30	30	DFT-16QAM	L	Outer_Full	26.814	28.66	PASS
N78-3450 -3550	30	30	DFT-QPSK	M	Outer_Full	26.830	28.70	PASS
N78-3450 -3550	30	30	DFT-16QAM	M	Outer_Full	26.705	28.45	PASS
N78-3450 -3550	30	30	DFT-QPSK	H	Outer_Full	26.760	28.56	PASS
N78-3450 -3550	30	30	DFT-16QAM	H	Outer_Full	26.854	28.73	PASS
N78-3450 -3550	30	40	DFT-QPSK	L	Outer_Full	35.618	37.59	PASS
N78-3450 -3550	30	40	DFT-16QAM	L	Outer_Full	35.588	37.62	PASS
N78-3450 -3550	30	40	DFT-QPSK	M	Outer_Full	35.746	37.72	PASS
N78-3450 -3550	30	40	DFT-16QAM	M	Outer_Full	35.678	37.78	PASS
N78-3450 -3550	30	40	DFT-QPSK	H	Outer_Full	35.682	37.87	PASS
N78-3450 -3550	30	40	DFT-16QAM	H	Outer_Full	35.670	37.71	PASS
N78-3450 -3550	30	50	DFT-QPSK	L	Outer_Full	45.619	48.08	PASS
N78-3450 -3550	30	50	DFT-16QAM	L	Outer_Full	45.649	48.18	PASS
N78-3450 -3550	30	50	DFT-QPSK	M	Outer_Full	45.671	48.07	PASS
N78-3450 -3550	30	50	DFT-16QAM	M	Outer_Full	45.777	48.11	PASS
N78-3450 -3550	30	50	DFT-QPSK	H	Outer_Full	45.660	47.92	PASS
N78-3450 -3550	30	50	DFT-16QAM	H	Outer_Full	45.636	47.97	PASS
N78-3450 -3550	30	60	DFT-QPSK	L	Outer_Full	57.754	60.36	PASS
N78-3450 -3550	30	60	DFT-16QAM	L	Outer_Full	57.726	60.32	PASS
N78-3450 -3550	30	60	DFT-QPSK	M	Outer_Full	57.746	60.25	PASS

N78-3450-3550	30	60	DFT-16QAM	M	Outer_Full	57.866	60.42	PASS
N78-3450-3550	30	60	DFT-QPSK	H	Outer_Full	57.721	60.46	PASS
N78-3450-3550	30	60	DFT-16QAM	H	Outer_Full	57.706	60.32	PASS
N78-3450-3550	30	70	DFT-QPSK	L	Outer_Full	64.218	66.98	PASS
N78-3450-3550	30	70	DFT-16QAM	L	Outer_Full	64.228	67.03	PASS
N78-3450-3550	30	70	DFT-QPSK	M	Outer_Full	64.270	66.95	PASS
N78-3450-3550	30	70	DFT-16QAM	M	Outer_Full	64.236	66.95	PASS
N78-3450-3550	30	70	DFT-QPSK	H	Outer_Full	64.336	67.06	PASS
N78-3450-3550	30	70	DFT-16QAM	H	Outer_Full	64.224	66.90	PASS
N78-3450-3550	30	80	DFT-QPSK	L	Outer_Full	77.053	80.29	PASS
N78-3450-3550	30	80	DFT-16QAM	L	Outer_Full	77.003	80.14	PASS
N78-3450-3550	30	80	DFT-QPSK	M	Outer_Full	76.895	80.31	PASS
N78-3450-3550	30	80	DFT-16QAM	M	Outer_Full	77.203	80.25	PASS
N78-3450-3550	30	80	DFT-QPSK	H	Outer_Full	77.007	80.19	PASS
N78-3450-3550	30	80	DFT-16QAM	H	Outer_Full	76.943	80.24	PASS
N78-3450-3550	30	90	DFT-QPSK	L	Outer_Full	86.805	89.79	PASS
N78-3450-3550	30	90	DFT-16QAM	L	Outer_Full	86.626	89.88	PASS
N78-3450-3550	30	90	DFT-QPSK	M	Outer_Full	86.596	89.80	PASS
N78-3450-3550	30	90	DFT-16QAM	M	Outer_Full	86.746	90.02	PASS
N78-3450-3550	30	90	DFT-QPSK	H	Outer_Full	86.600	90.11	PASS
N78-3450-3550	30	90	DFT-16QAM	H	Outer_Full	86.687	90.25	PASS

N78-3450 -3550	30	100	DFT-QPSK	L	Outer_Full	96.462	99.86	PASS
N78-3450 -3550	30	100	DFT-16QAM	L	Outer_Full	96.161	99.79	PASS
N78-3450 -3550	30	100	DFT-QPSK	M	Outer_Full	96.390	99.94	PASS
N78-3450 -3550	30	100	DFT-16QAM	M	Outer_Full	96.193	99.75	PASS
N78-3450 -3550	30	100	DFT-QPSK	H	Outer_Full	96.374	99.90	PASS
N78-3450 -3550	30	100	DFT-16QAM	H	Outer_Full	96.137	99.78	PASS

Test Graphs

NTNV_N78-3450-3550_PC2_30_10_L_TID5_Ant 1#1



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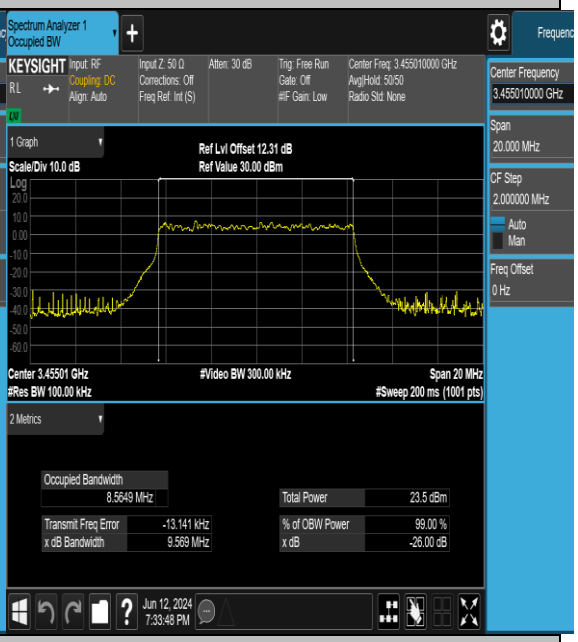

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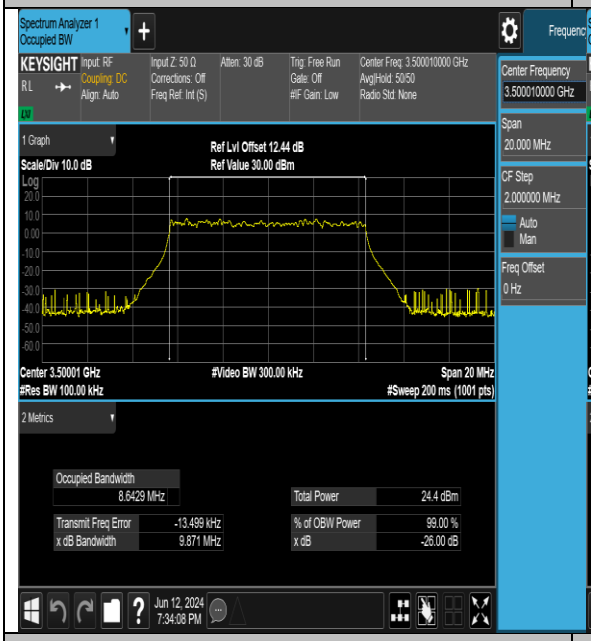

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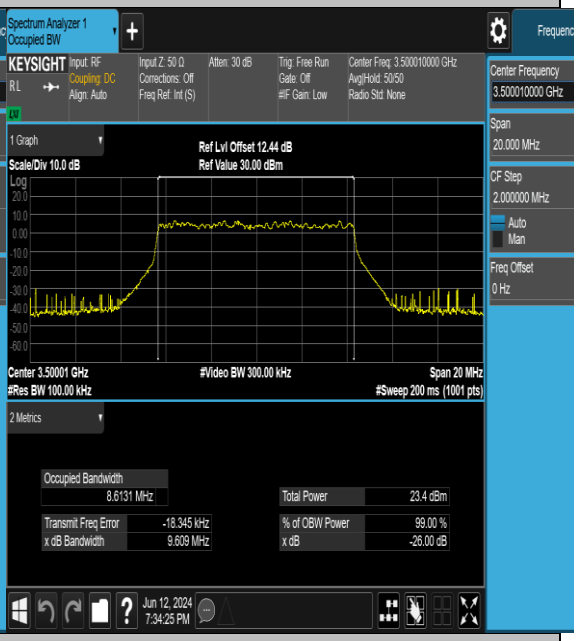

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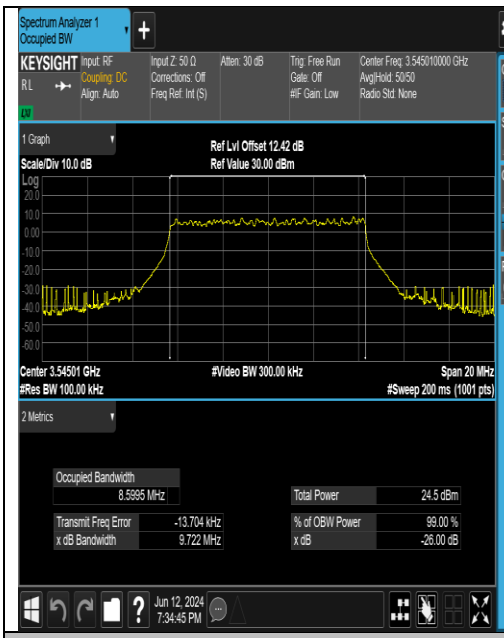

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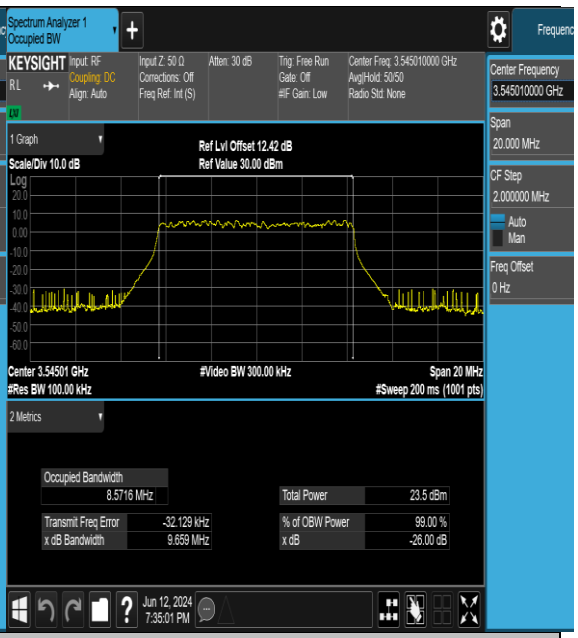

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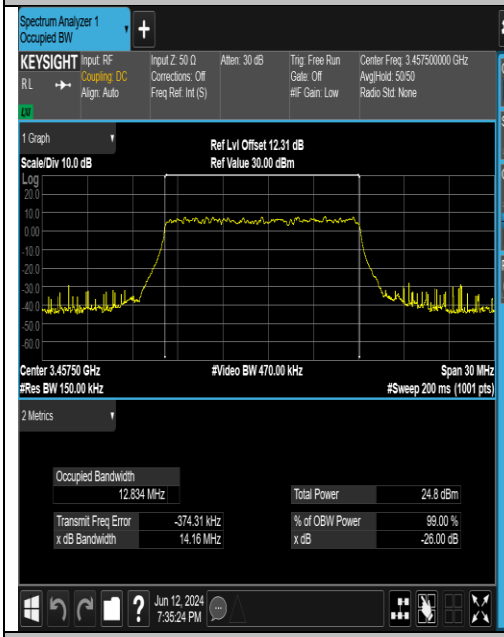

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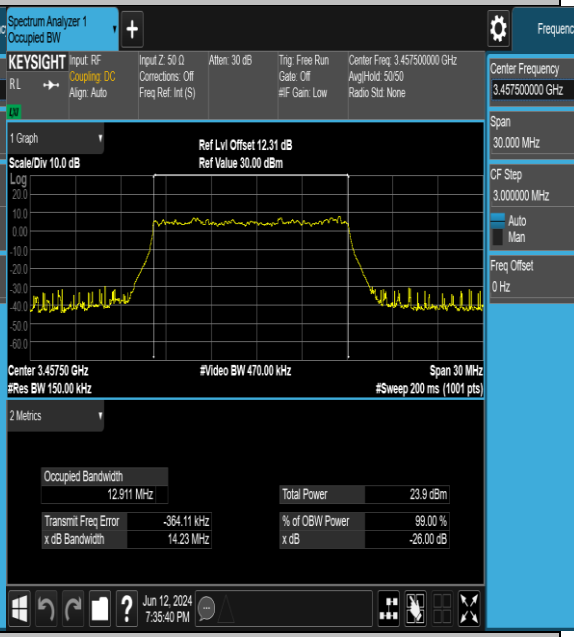

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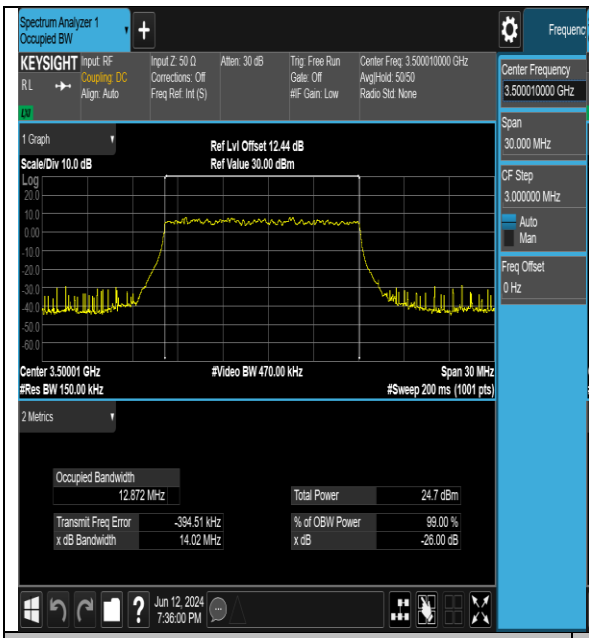

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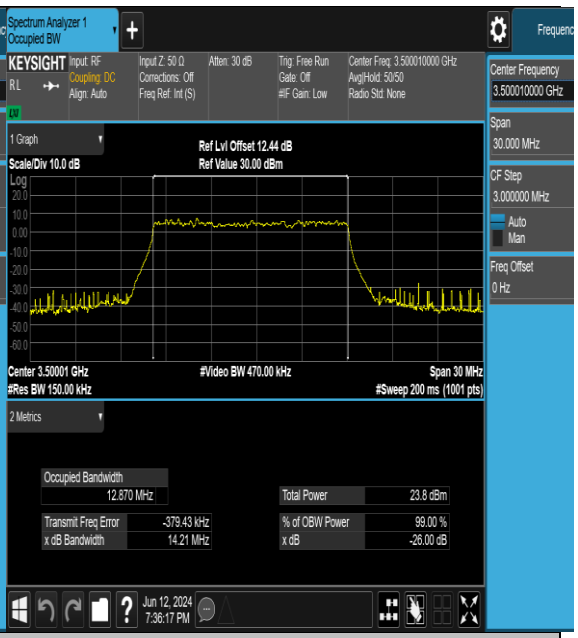

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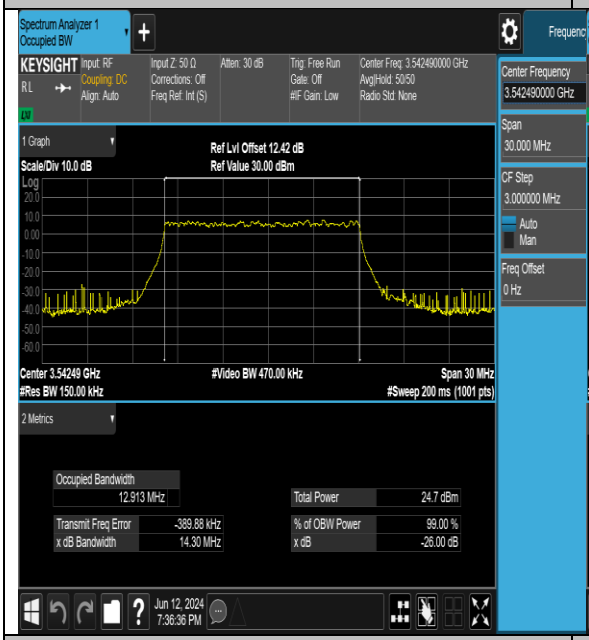

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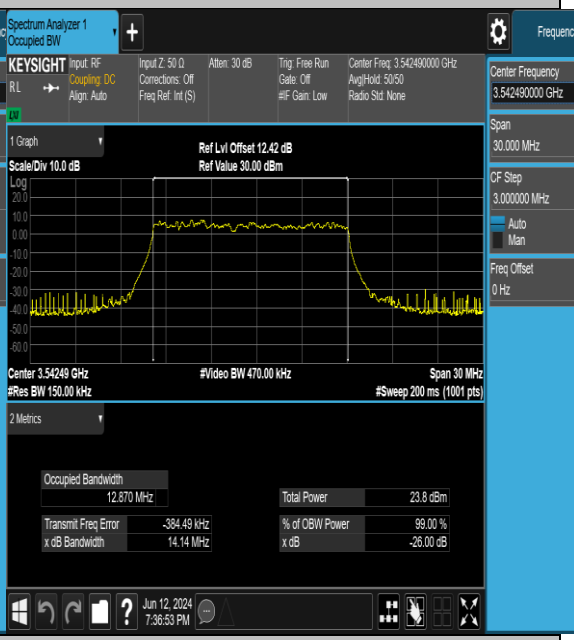

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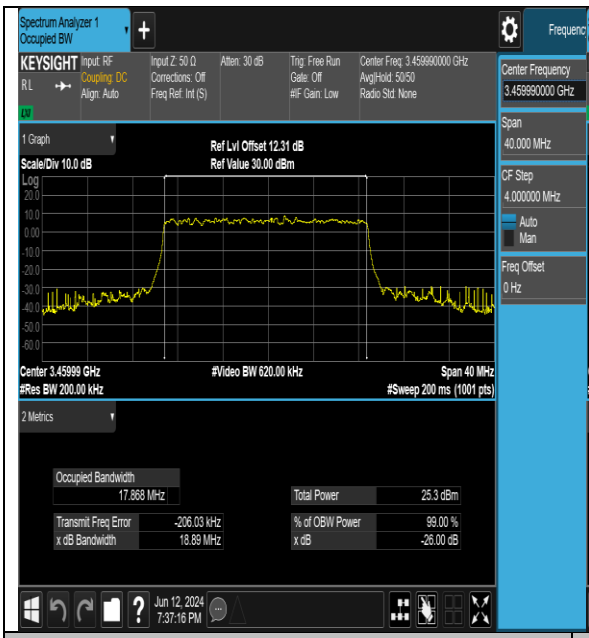

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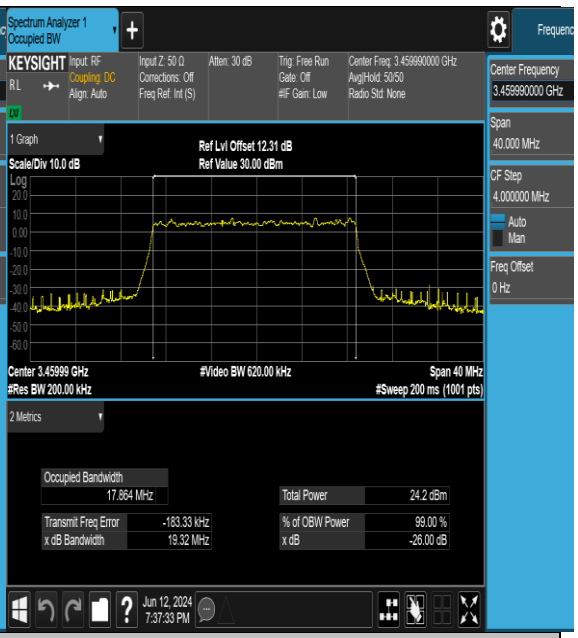

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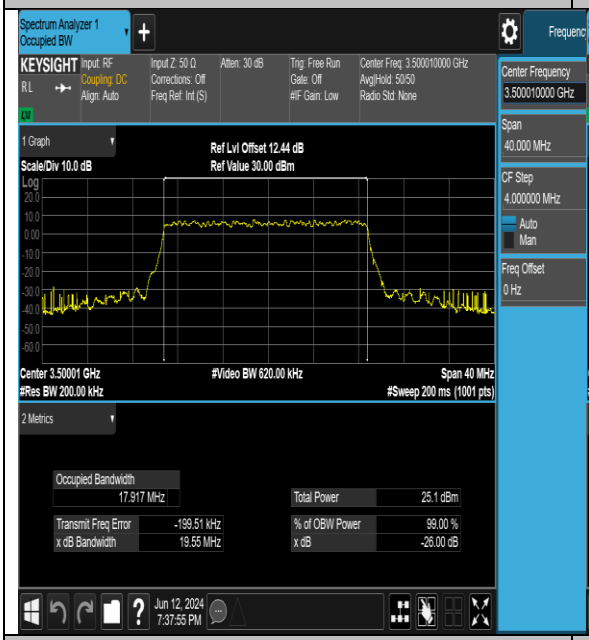

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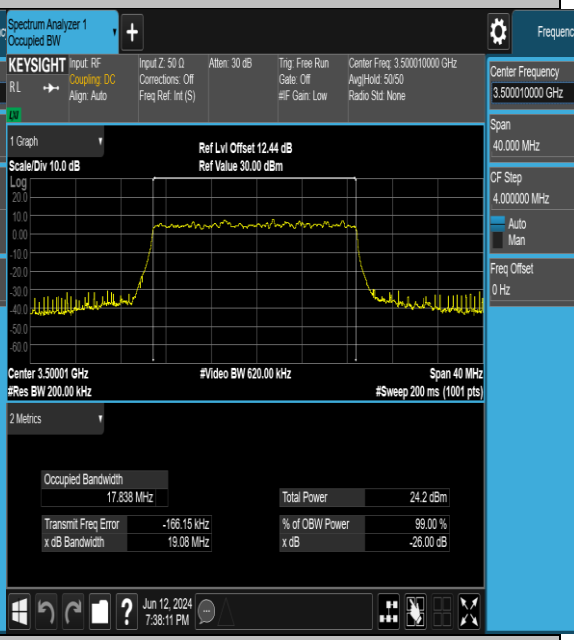

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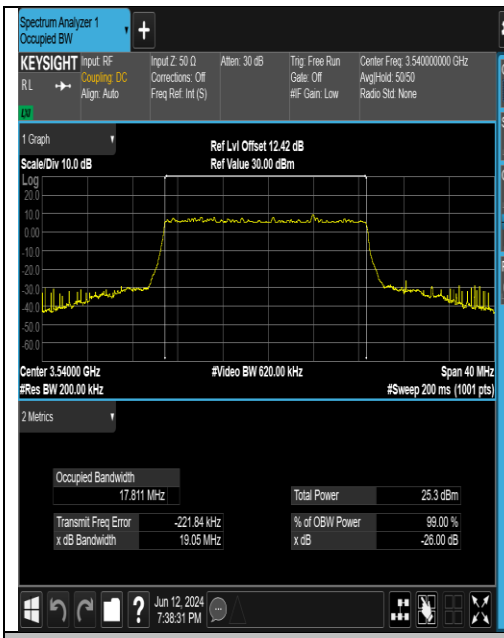

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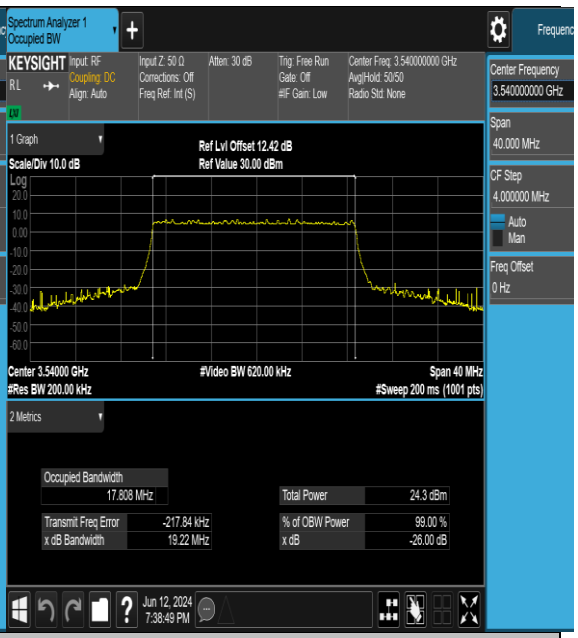

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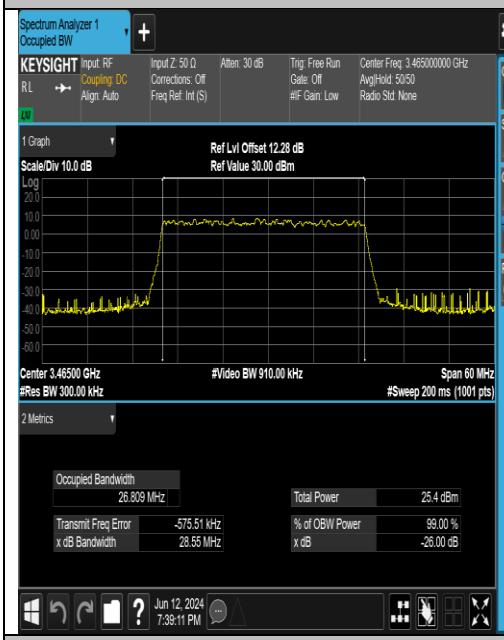

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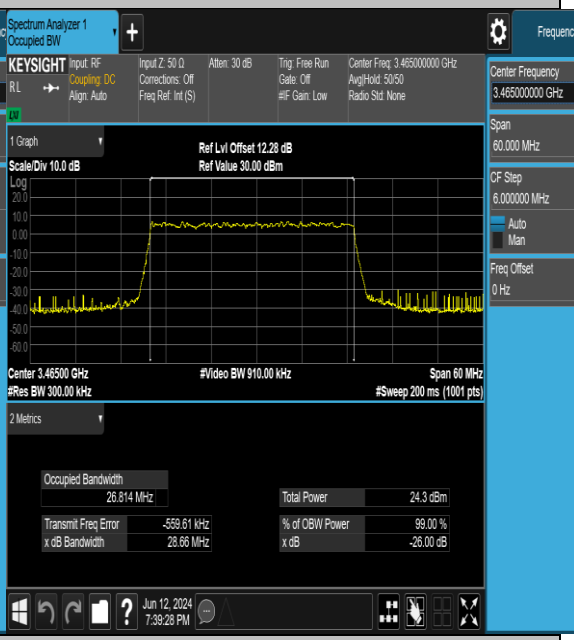

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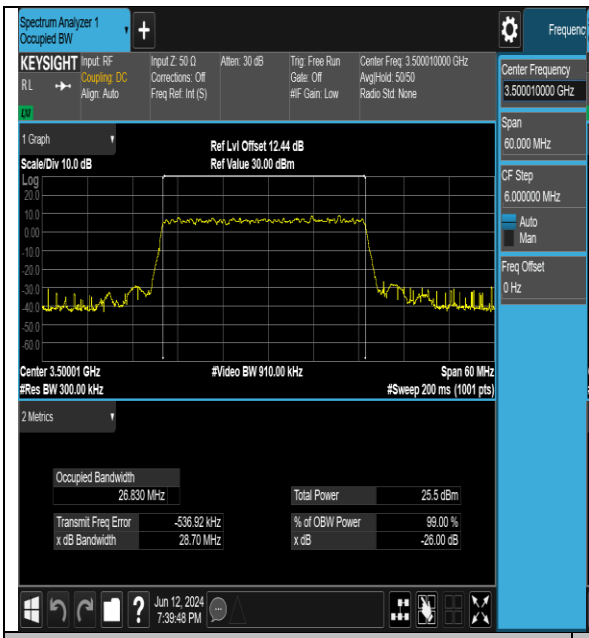

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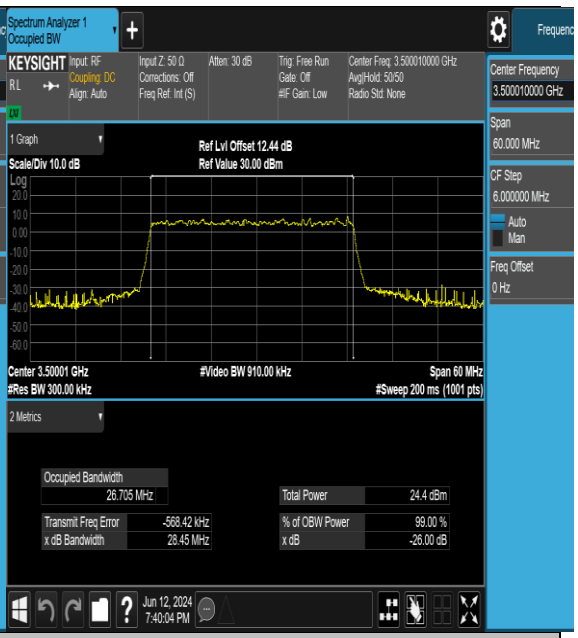

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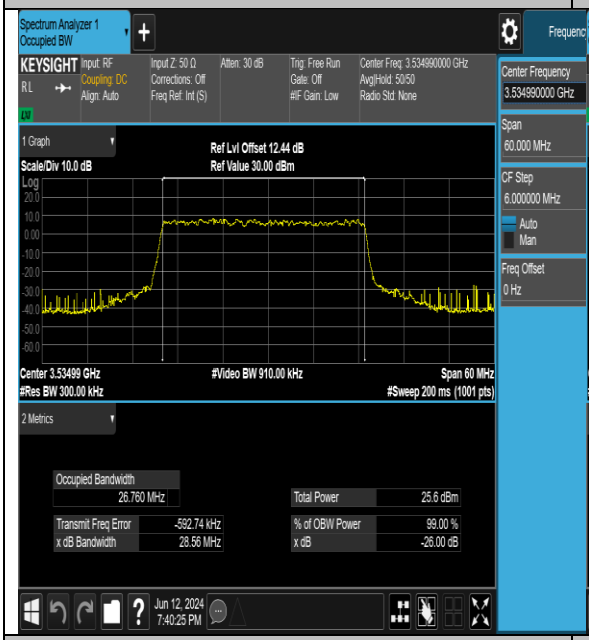

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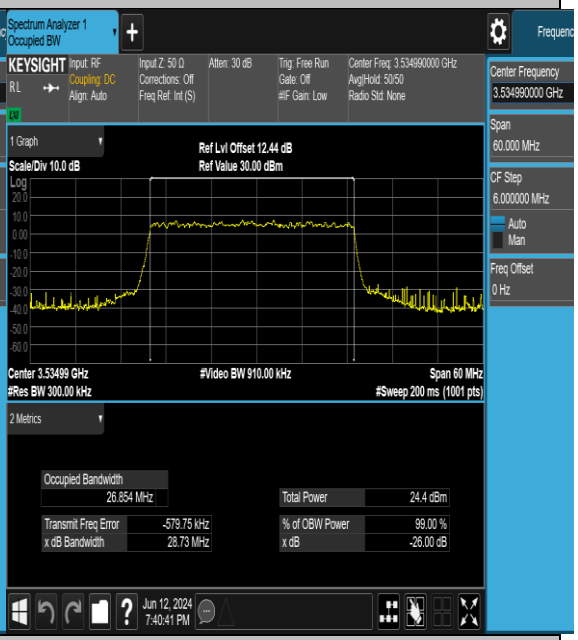

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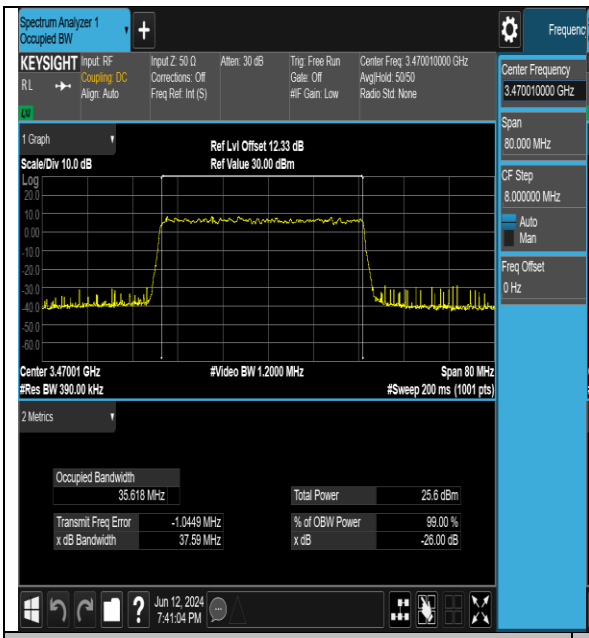

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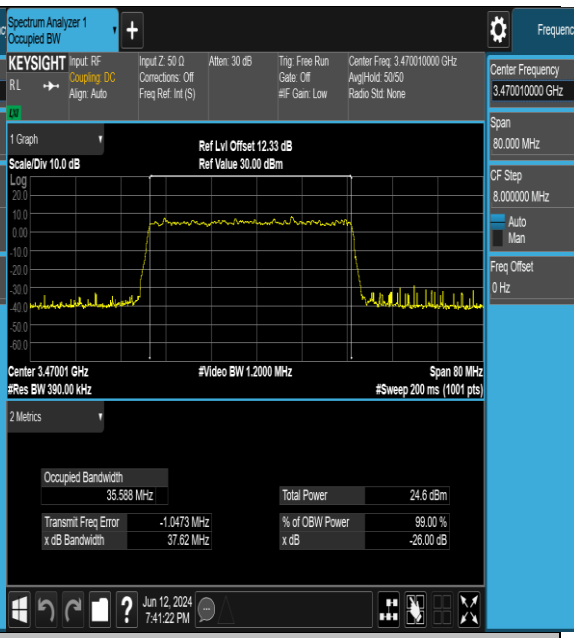

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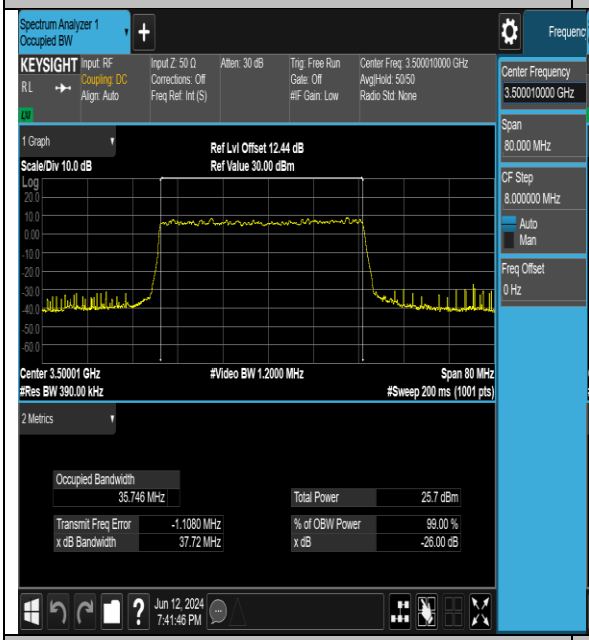

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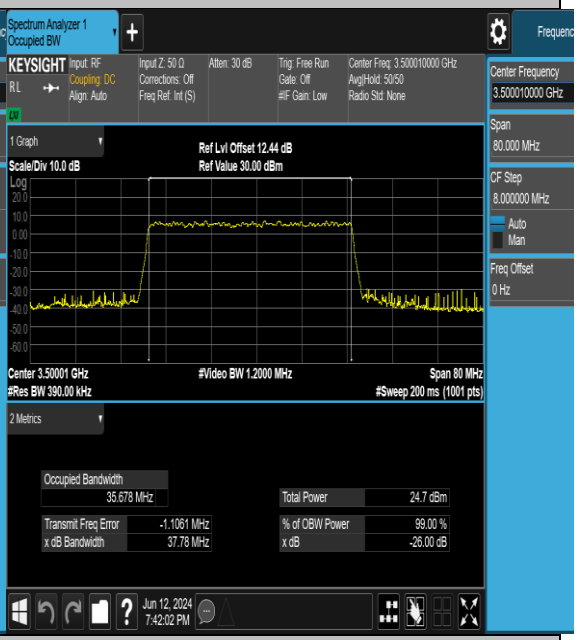

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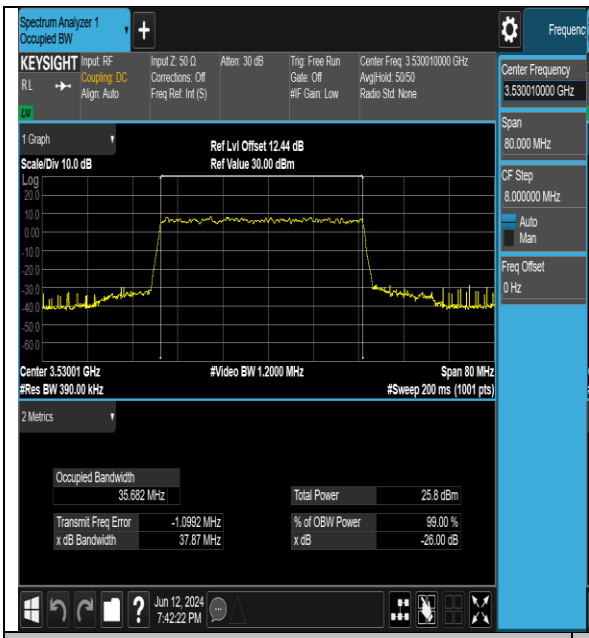

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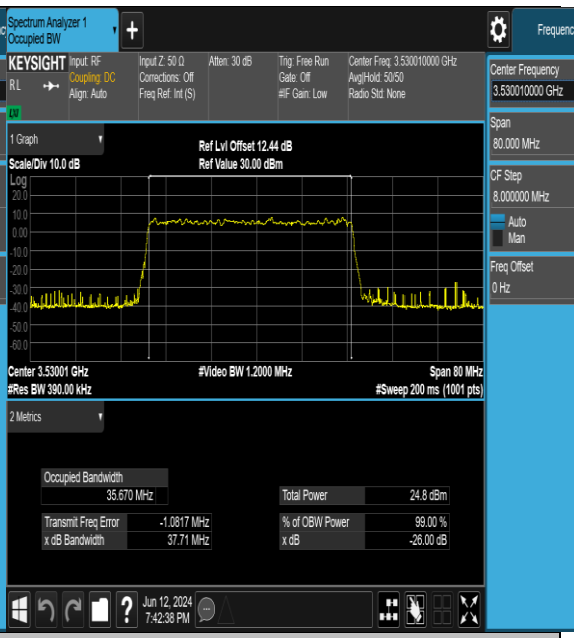

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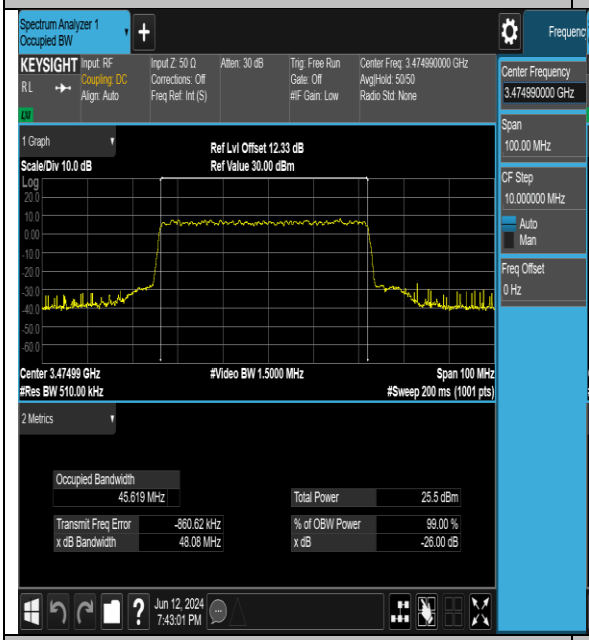

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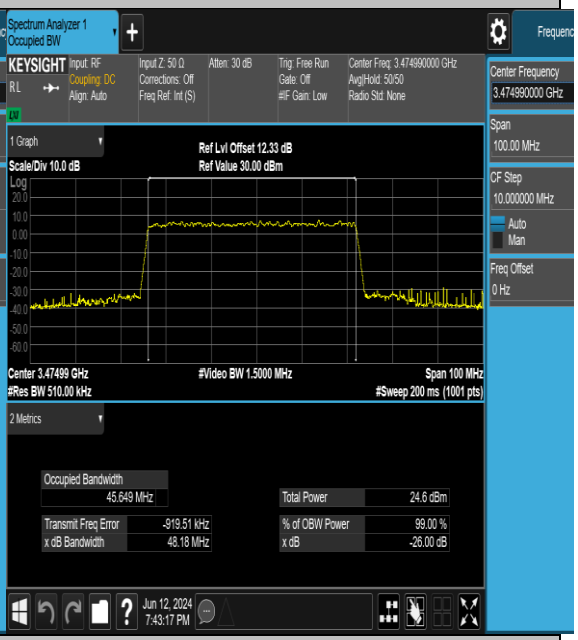

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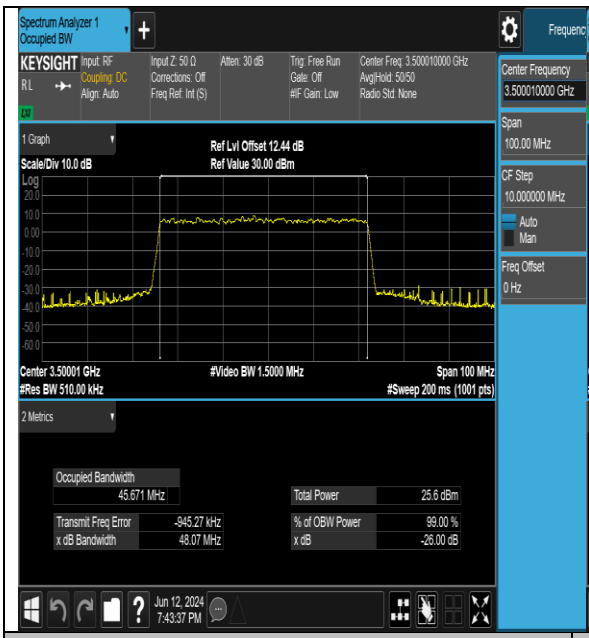

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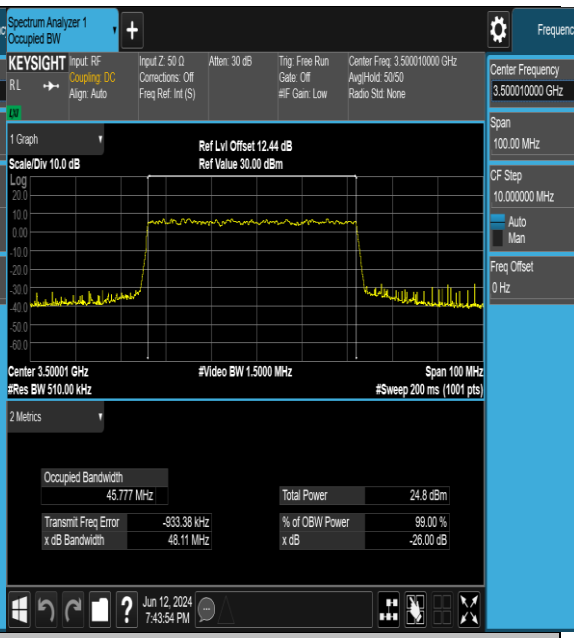

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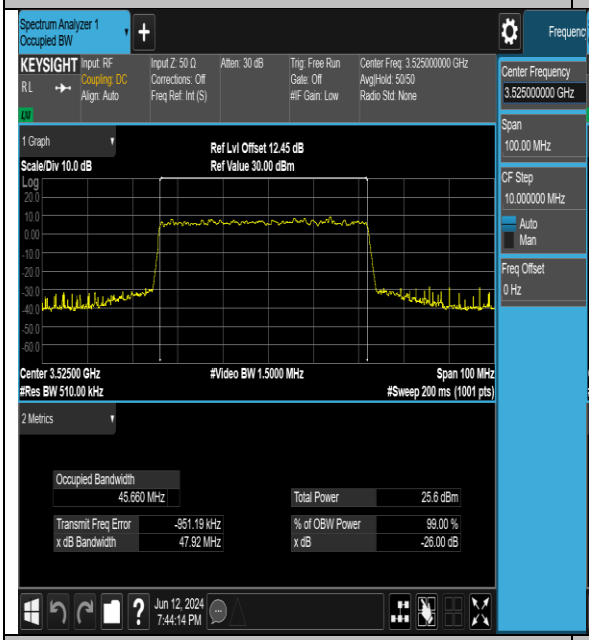

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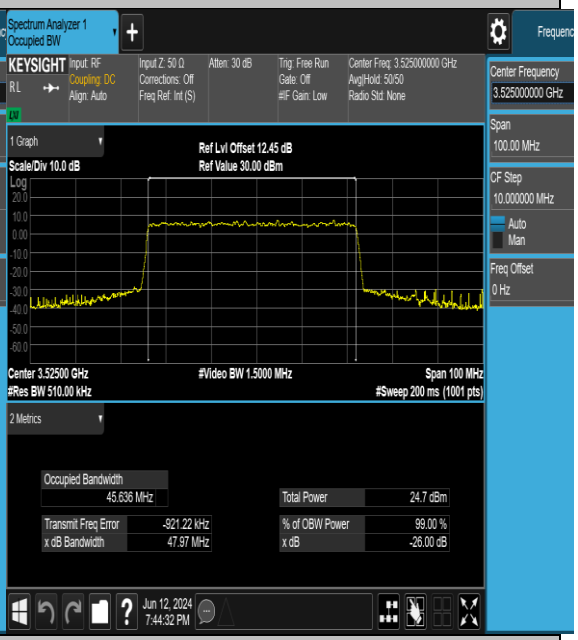

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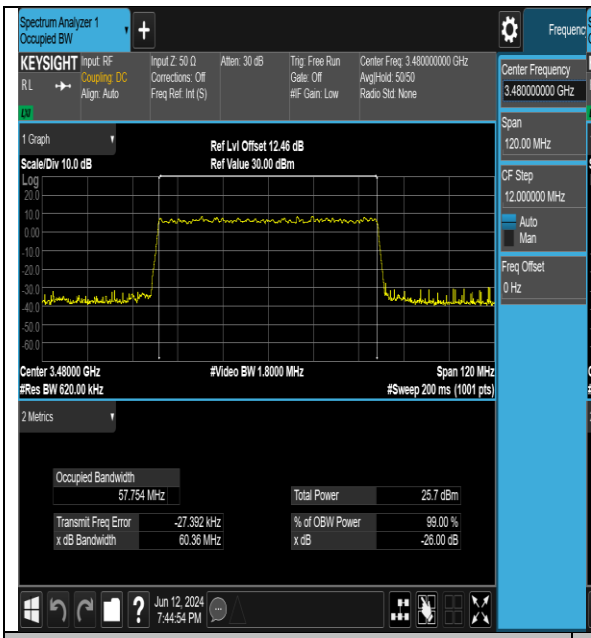

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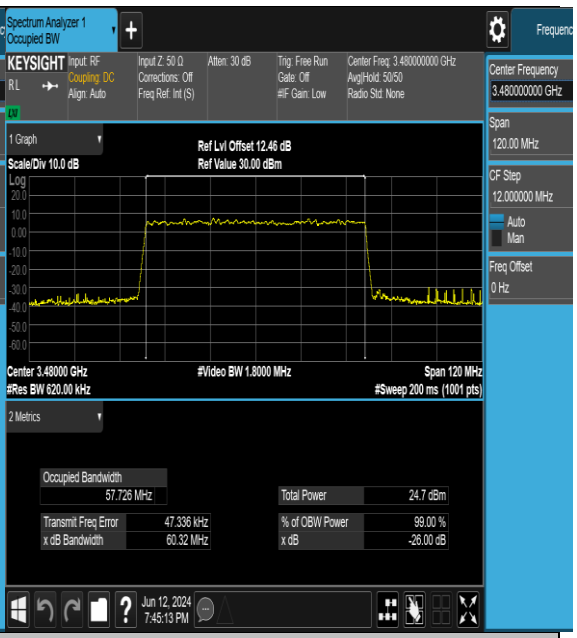

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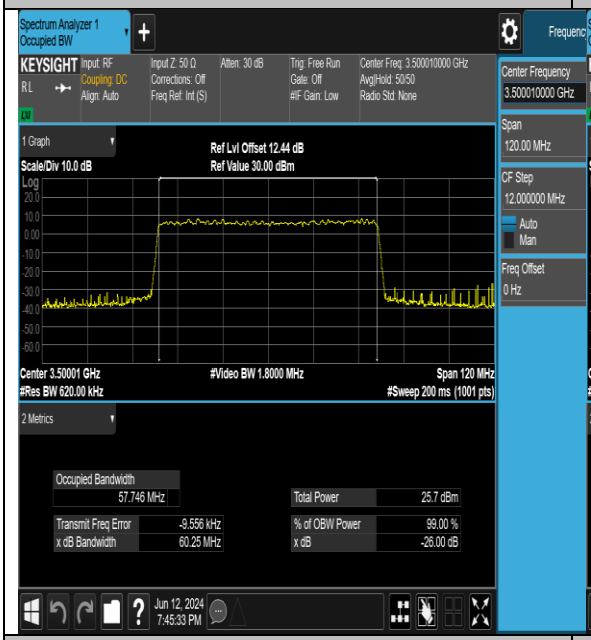

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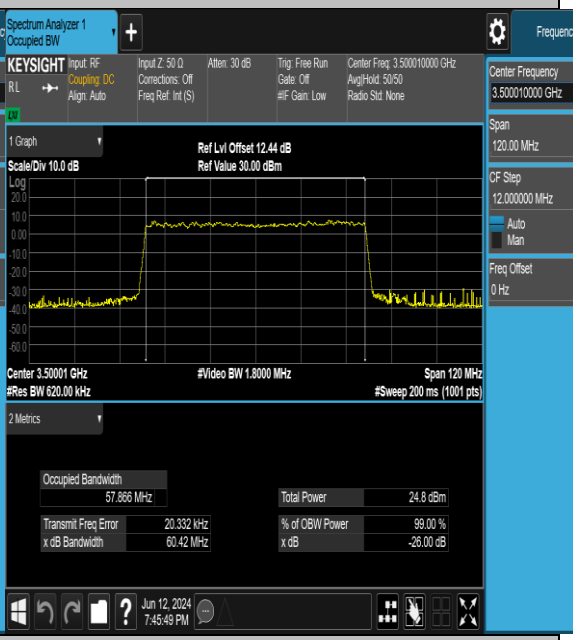

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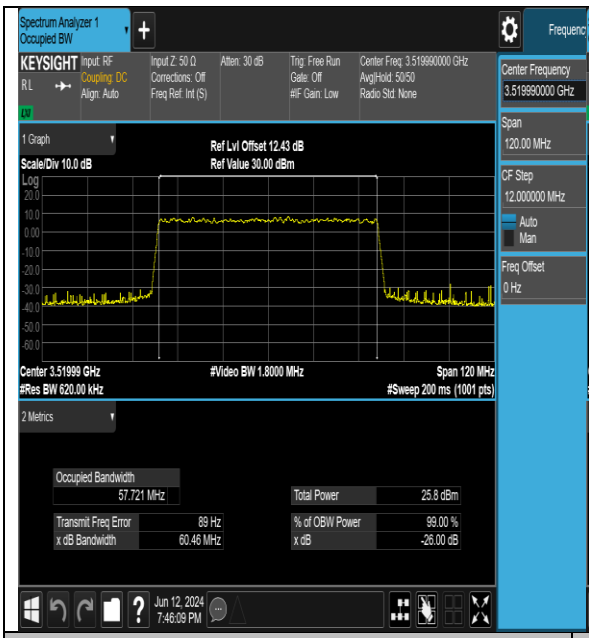

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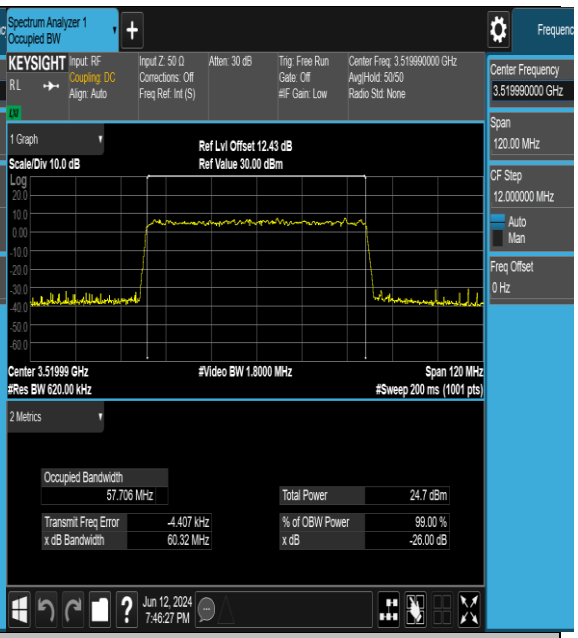

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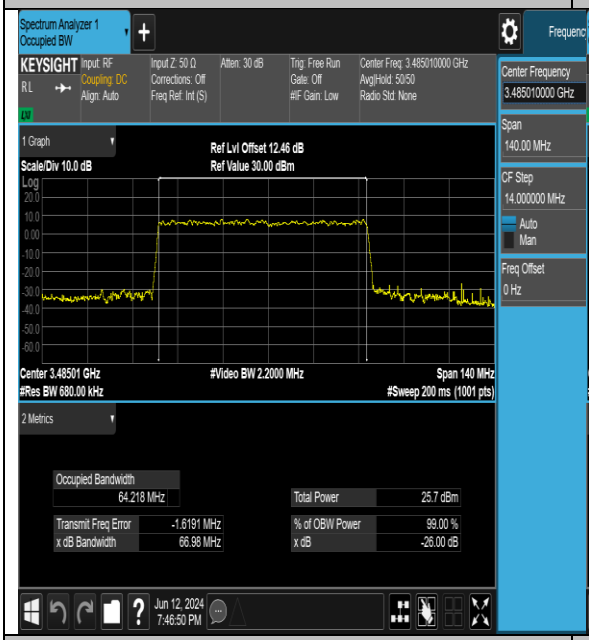

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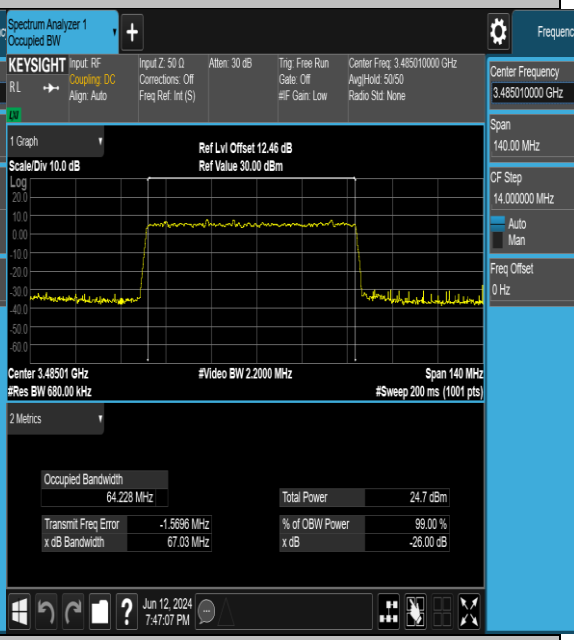

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