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Reference No.: W7L-P23120020RF09

N77-3450-3550	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.63	-13	PASS
N77-3450-3550	30	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-47.60	-13	PASS
N77-3450-3550	30	10	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.60	-13	PASS



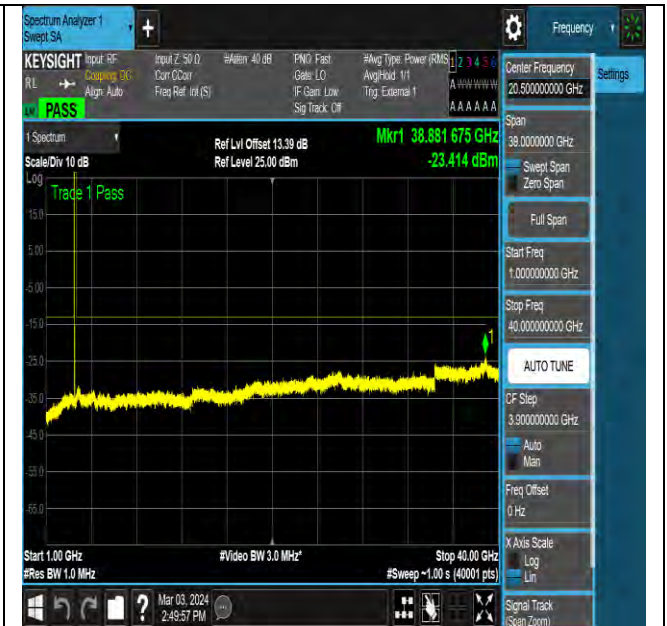
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Test Graphs



NTNV-N77-3450-3550-PC2-30-10-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-10-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-10-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-10-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS

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NTNV-N77-3450-3550-PC2-30-50-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-50-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-50-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-50-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS

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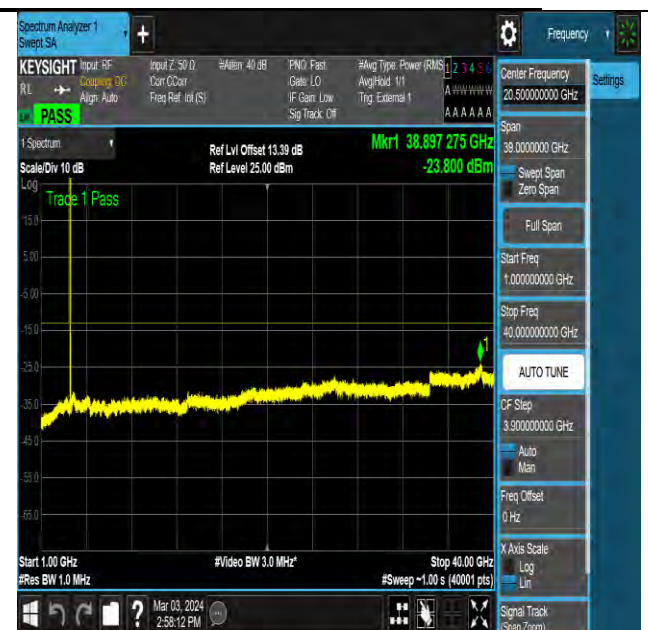


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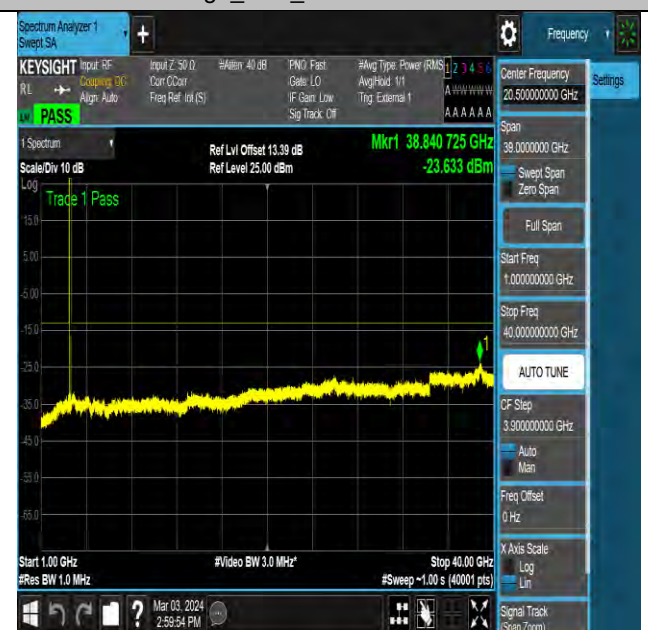
NTNV-N77-3450-3550-PC2-30-50-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-50-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-100-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3450-3550-PC2-30-100-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS

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The screenshot displays a Spectrum Analyzer 1 interface. The top status bar shows 'Spectrum Analyzer 1' and 'Sweep SA'. The main display area shows a signal trace at 850.620 MHz with a power level of -47.602 dBm. The trace is labeled 'Trace 1 Pass'. The frequency range is from 0.0300 GHz to 1.0000 GHz, and the resolution bandwidth (RBW) is 3.0 MHz. The video bandwidth (VBW) is 3.0 MHz. The sweep rate is 1.00 s (10001 pts). The center frequency is 850.000000 MHz, and the span is 970.000000 MHz. The start frequency is 30.000000 MHz, and the stop frequency is 1.000000000 GHz. The axis scale is set to 'Log'. The signal track is set to 'Signal Track (Scan 7000)'. The interface includes various control buttons and a settings menu.

The screenshot displays the Spectrum Analyzer 1 interface. The main plot shows a frequency spectrum with a yellow trace. The x-axis represents frequency, ranging from 1.00 GHz to 40.00 GHz. The y-axis represents power, ranging from -65.00 dBm to -15.00 dBm. A prominent peak is visible at 38.876 GHz, labeled 'Mkr1 38.876 800 GHz' with a power level of -23.596 dBm. The plot is titled 'Trace 1 Pass'.

Key settings and controls include:

- Input/Output:** Input Z: 50.0, Input Att: 40 dB, Input Filter: Fast, Input Level: 0 dB, Input Power: 0 dBm, Input Type: External 1.
- Frequency:** Center Frequency: 20.50000000 GHz, Span: 38.00000000 GHz, Start Freq: 1.000000000 GHz, Stop Freq: 40.000000000 GHz.
- Power/Level:** Ref Level Offset: 13.39 dB, Ref Level: 25.00 dBm, Scale/Div: 10 dB, Log.
- Control Panel:** Includes buttons for 'AUTO TUNE', 'OF Step', 'Auto', 'Man', 'Freq Offset', 'X Axis Scale', and 'Log'.
- Bottom Status Bar:** Shows Start: 1.00 GHz, #Res BW: 1.0 MHz, #Video BW: 3.0 MHz, Stop: 40.00 GHz, #Sweep: -1.00 s (40001 pts).

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**Frequency Stability for SA****Test Result****Frequency Error VS. Voltage**

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VL	NT	12.000000	0.003468	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VN	NT	16.000000	0.004624	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	VH	NT	19.000000	0.005491	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VL	NT	13.000000	0.003714	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VN	NT	6.000000	0.001714	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	VH	NT	16.000000	0.004571	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VL	NT	15.000000	0.004237	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VN	NT	8.000000	0.002260	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	VH	NT	11.000000	0.003107	PASS

Frequency Error VS. Temperature



Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-30	5.000000	0.001445	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-20	6.000000	0.001734	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	-10	19.000000	0.005491	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	0	10.000000	0.002890	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	10	3.000000	0.000867	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	20	6.000000	0.001734	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	30	6.000000	0.001734	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	40	12.000000	0.003468	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	NV	50	15.000000	0.004335	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-30	9.000000	0.002571	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-20	12.000000	0.003429	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	NV	-10	6.000000	0.001714	PASS



3550										
N77- 3450- 3550	30	20	DFT-QPSK	M	Outer_Full	NV	0	18.000000	0.005143	PASS
N77- 3450- 3550	30	20	DFT-QPSK	M	Outer_Full	NV	10	9.000000	0.002571	PASS
N77- 3450- 3550	30	20	DFT-QPSK	M	Outer_Full	NV	20	2.000000	0.000571	PASS
N77- 3450- 3550	30	20	DFT-QPSK	M	Outer_Full	NV	30	5.000000	0.001429	PASS
N77- 3450- 3550	30	20	DFT-QPSK	M	Outer_Full	NV	40	14.000000	0.004000	PASS
N77- 3450- 3550	30	20	DFT-QPSK	M	Outer_Full	NV	50	8.000000	0.002286	PASS
N77- 3450- 3550	30	20	DFT-QPSK	H	Outer_Full	NV	-30	5.000000	0.001412	PASS
N77- 3450- 3550	30	20	DFT-QPSK	H	Outer_Full	NV	-20	14.000000	0.003955	PASS
N77- 3450- 3550	30	20	DFT-QPSK	H	Outer_Full	NV	-10	8.000000	0.002260	PASS
N77- 3450- 3550	30	20	DFT-QPSK	H	Outer_Full	NV	0	1.000000	0.000282	PASS
N77- 3450- 3550	30	20	DFT-QPSK	H	Outer_Full	NV	10	7.000000	0.001977	PASS
N77- 3450- 3550	30	20	DFT-QPSK	H	Outer_Full	NV	20	10.000000	0.002825	PASS
N77- 3450- 3550	30	20	DFT-QPSK	H	Outer_Full	NV	30	3.000000	0.000847	PASS



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3450-3550										
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	40	6.000000	0.001695	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	NV	50	18.000000	0.005085	PASS

**N77_3700-3980****Peak-to-Average Ratio(CCDF)****Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	5.40	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	5.65	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	5.51	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	4.43	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Edge_1RB_Left	4.81	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Left	5.22	≤13	PASS



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Test Graphs



NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Outter_Full-PASS



NTNV-N77-3700-3980-PC2-30-20-M-DFT-QPSK-Outter_Full-PASS



NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Outter_Full-PASS



NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-PASS



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NTNV-N77-3700-3980-PC2-30-20-M-DFT-QPSK-
Edge_1RB_Left-PASS



NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-
Edge_1RB_Left-PASS

**26dB Bandwidth and Occupied Bandwidth for SA****Test Result**

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3700-3980	30	10	DFT-PI2BPSK	M	Outer_Full	8.5780	9.408	PASS
N77-3700-3980	30	10	DFT-QPSK	M	Outer_Full	8.5840	9.590	PASS
N77-3700-3980	30	10	DFT-16QAM	M	Outer_Full	8.5665	9.464	PASS
N77-3700-3980	30	10	DFT-64QAM	M	Outer_Full	8.5822	9.728	PASS
N77-3700-3980	30	10	DFT-256QAM	M	Outer_Full	8.5576	9.607	PASS
N77-3700-3980	30	15	DFT-PI2BPSK	M	Outer_Full	12.836	13.85	PASS
N77-3700-3980	30	15	DFT-QPSK	M	Outer_Full	12.832	13.88	PASS
N77-3700-3980	30	15	DFT-16QAM	M	Outer_Full	12.826	14.00	PASS
N77-3700-3980	30	15	DFT-64QAM	M	Outer_Full	12.858	14.17	PASS
N77-3700-3980	30	15	DFT-256QAM	M	Outer_Full	12.866	14.18	PASS
N77-3700-3980	30	20	DFT-PI2BPSK	M	Outer_Full	17.792	18.83	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	17.855	19.38	PASS



3700-3980								
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	17.886	18.98	PASS
N77-3700-3980	30	20	DFT-64QAM	M	Outer_Full	17.836	19.37	PASS
N77-3700-3980	30	20	DFT-256QAM	M	Outer_Full	17.836	19.23	PASS
N77-3700-3980	30	30	DFT-PI2BPSK	M	Outer_Full	26.778	28.48	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	26.787	28.63	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	26.757	28.48	PASS
N77-3700-3980	30	30	DFT-64QAM	M	Outer_Full	26.773	28.51	PASS
N77-3700-3980	30	30	DFT-256QAM	M	Outer_Full	26.781	28.26	PASS
N77-3700-3980	30	40	DFT-PI2BPSK	M	Outer_Full	35.777	37.98	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	35.788	37.45	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	35.829	37.84	PASS
N77-3700-3980	30	40	DFT-64QAM	M	Outer_Full	35.800	37.73	PASS
N77-3700-3980	30	40	DFT-256QAM	M	Outer_Full	35.801	37.68	PASS



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3700-3980								
N77-3700-3980	30	50	DFT-PI2BPSK	M	Outer_Full	45.730	48.87	PASS
N77-3700-3980	30	50	DFT-QPSK	M	Outer_Full	45.720	47.85	PASS
N77-3700-3980	30	50	DFT-16QAM	M	Outer_Full	45.738	47.91	PASS
N77-3700-3980	30	50	DFT-64QAM	M	Outer_Full	45.696	48.73	PASS
N77-3700-3980	30	50	DFT-256QAM	M	Outer_Full	45.708	47.67	PASS
N77-3700-3980	30	60	DFT-PI2BPSK	M	Outer_Full	57.893	60.07	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	57.962	61.20	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	57.818	59.97	PASS
N77-3700-3980	30	60	DFT-64QAM	M	Outer_Full	57.844	60.39	PASS
N77-3700-3980	30	60	DFT-256QAM	M	Outer_Full	57.855	60.41	PASS
N77-3700-3980	30	70	DFT-PI2BPSK	M	Outer_Full	64.184	66.98	PASS
N77-3700-3980	30	70	DFT-QPSK	M	Outer_Full	64.263	66.98	PASS
N77-3700-3980	30	70	DFT-16QAM	M	Outer_Full	64.257	66.97	PASS

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3700-3980								
N77-3700-3980	30	70	DFT-64QAM	M	Outer_Full	64.221	66.94	PASS
N77-3700-3980	30	70	DFT-256QAM	M	Outer_Full	64.188	67.37	PASS
N77-3700-3980	30	80	DFT-PI2BPSK	M	Outer_Full	77.149	79.85	PASS
N77-3700-3980	30	80	DFT-QPSK	M	Outer_Full	77.102	79.96	PASS
N77-3700-3980	30	80	DFT-16QAM	M	Outer_Full	76.905	79.81	PASS
N77-3700-3980	30	80	DFT-64QAM	M	Outer_Full	77.218	79.70	PASS
N77-3700-3980	30	80	DFT-256QAM	M	Outer_Full	77.080	80.11	PASS
N77-3700-3980	30	90	DFT-PI2BPSK	M	Outer_Full	86.769	90.83	PASS
N77-3700-3980	30	90	DFT-QPSK	M	Outer_Full	86.628	89.79	PASS
N77-3700-3980	30	90	DFT-16QAM	M	Outer_Full	86.874	89.70	PASS
N77-3700-3980	30	90	DFT-64QAM	M	Outer_Full	86.518	89.69	PASS
N77-3700-3980	30	90	DFT-256QAM	M	Outer_Full	86.602	89.82	PASS
N77-	30	100	DFT-PI2BPSK	M	Outer_Full	96.242	99.53	PASS

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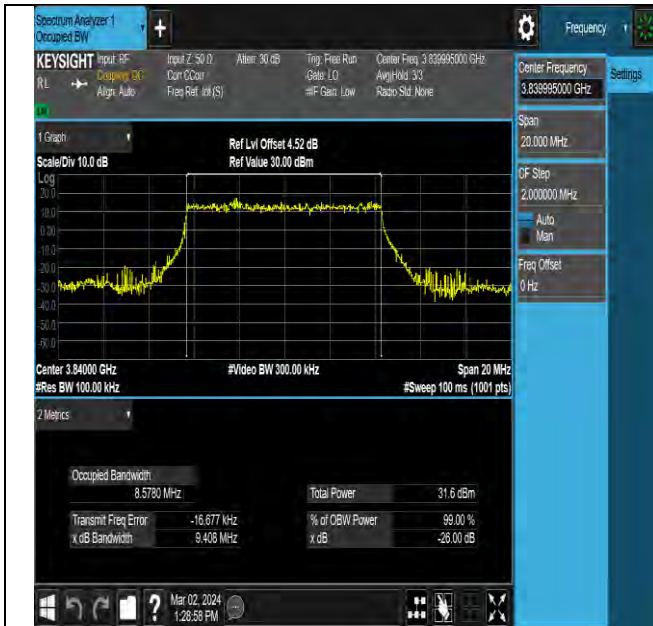
3700-3980								
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	96.362	101.5	PASS
N77-3700-3980	30	100	DFT-16QAM	M	Outer_Full	96.401	99.89	PASS
N77-3700-3980	30	100	DFT-64QAM	M	Outer_Full	96.299	99.75	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	96.236	99.68	PASS



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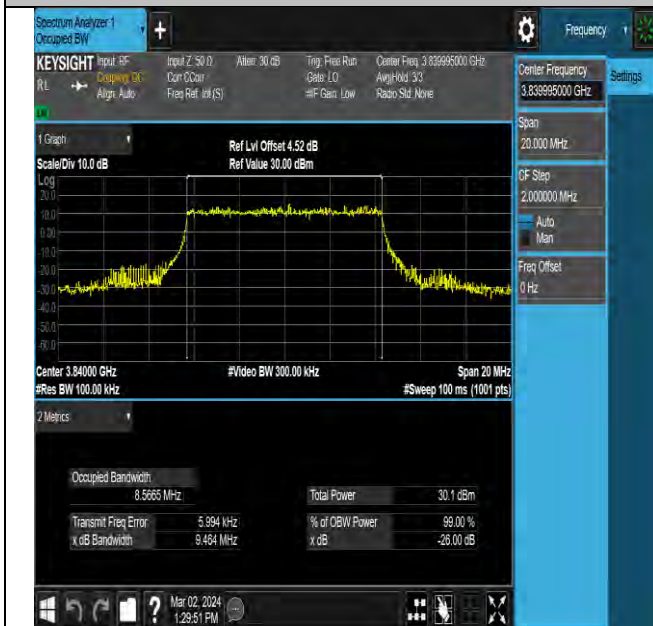
Test Graphs



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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-10-M-DFT-QPSK-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-10-M-DFT-16QAM-
Outer_Full-Ant11-PASS

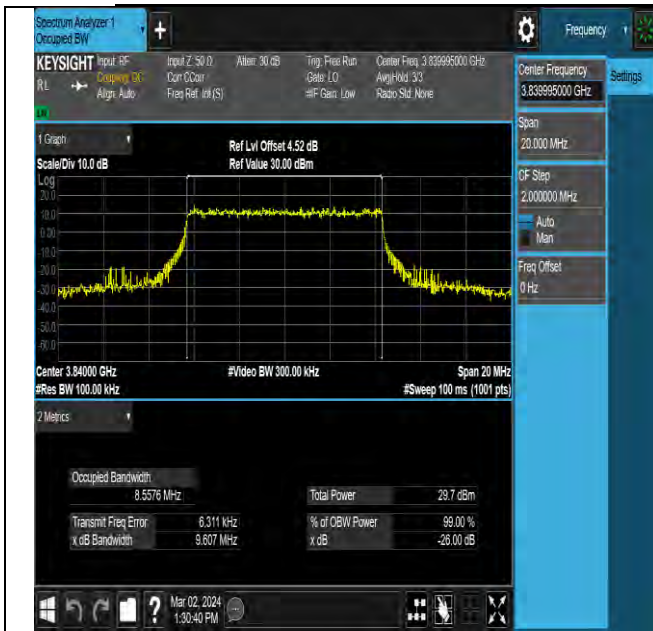


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Outer_Full-Ant11-PASS



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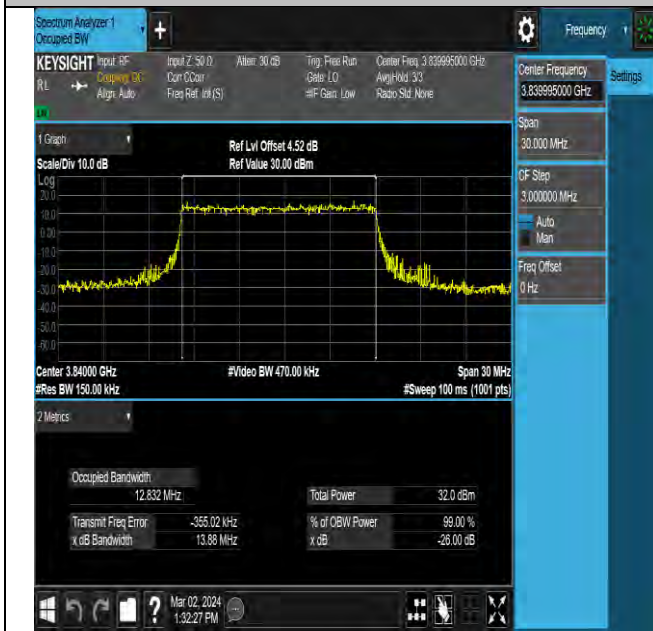
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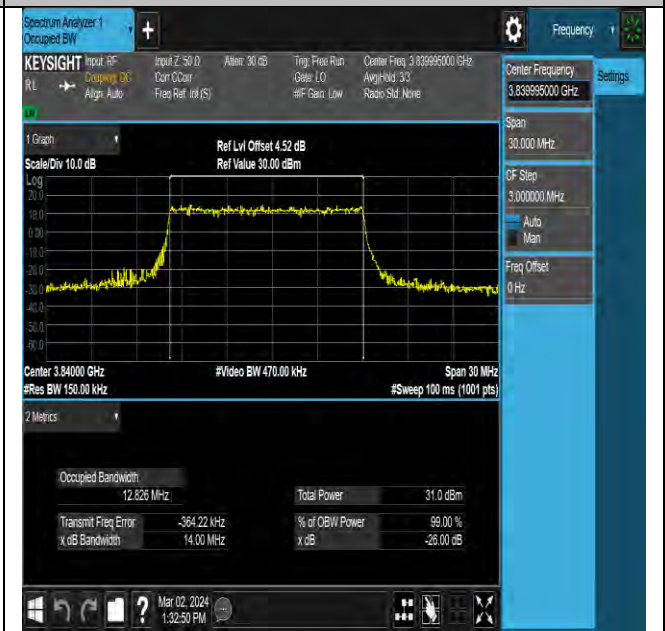
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Outer_Full-Ant11-PASS



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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-15-M-DFT-QPSK-Outer_Full-
Ant11-PASS

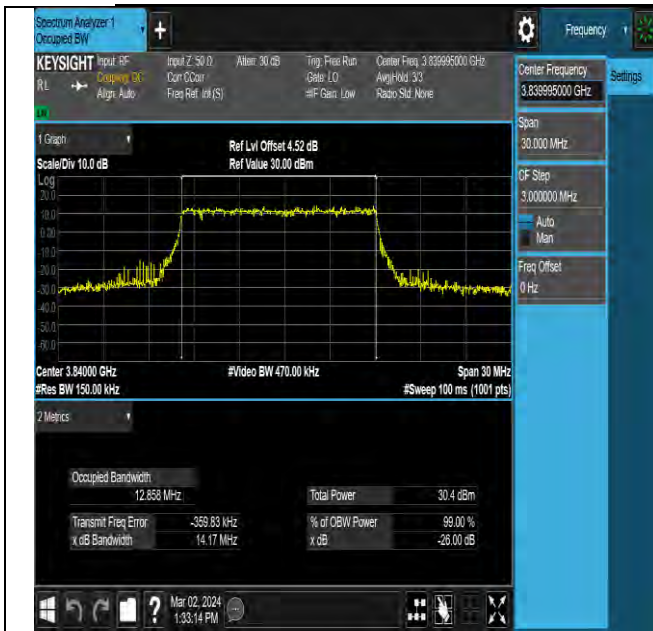


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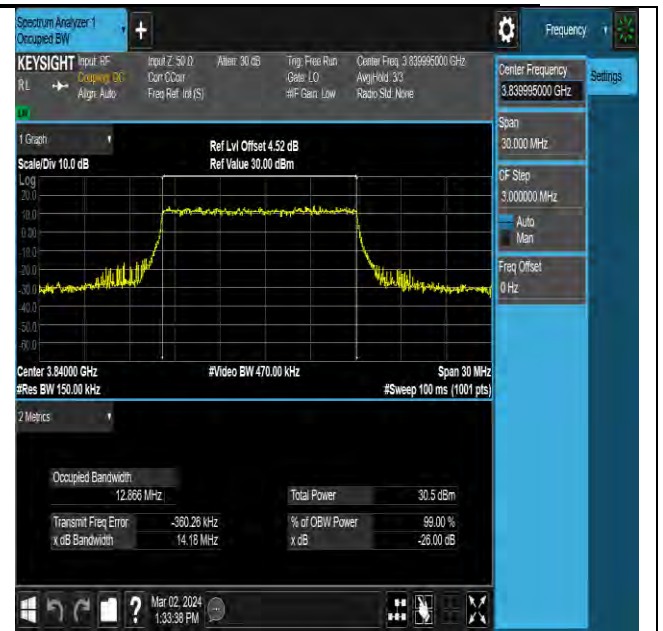


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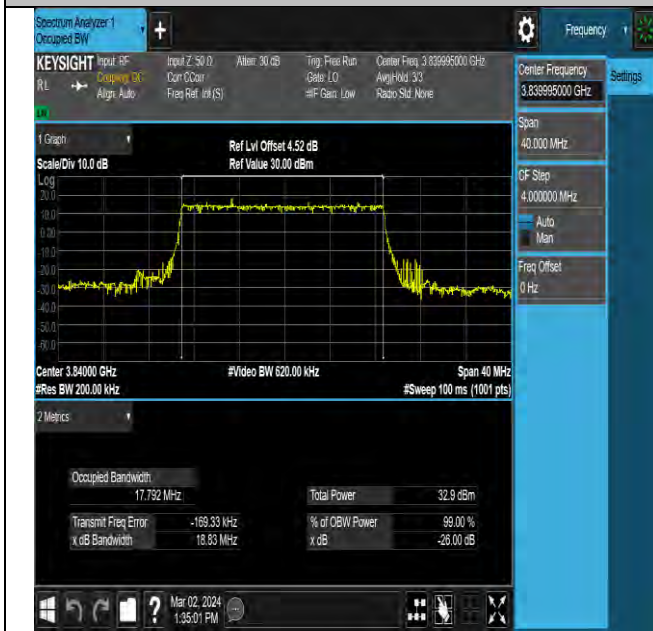
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NTNV-N77-3700-3980-PC2-30-15-M-DFT-64QAM-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-15-M-DFT-256QAM-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-20-M-DFT-PI2BPSK-
Outer_Full-Ant11-PASS

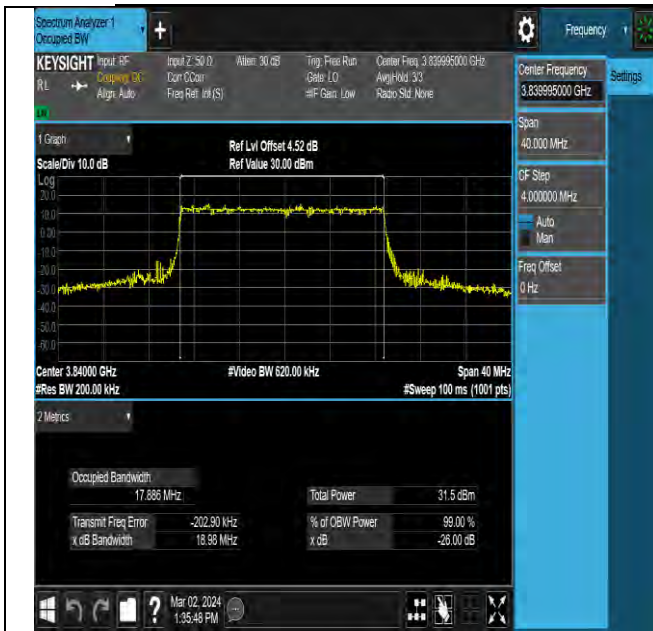


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Outer_Full-Ant11-PASS

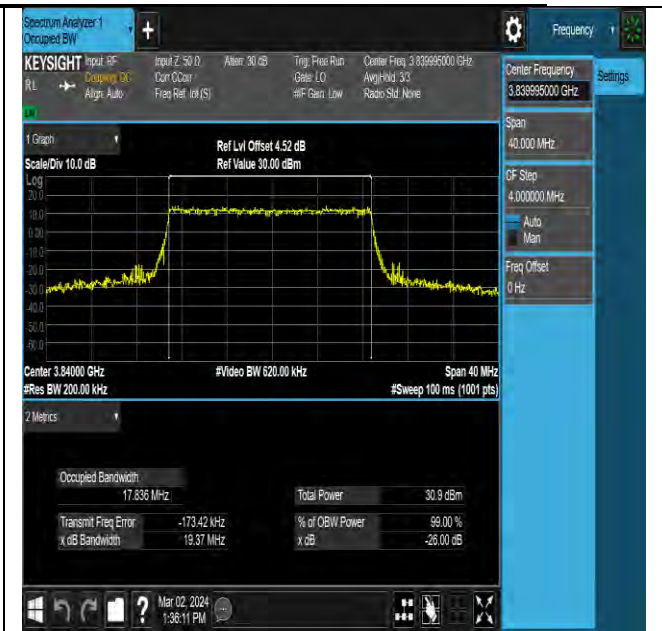


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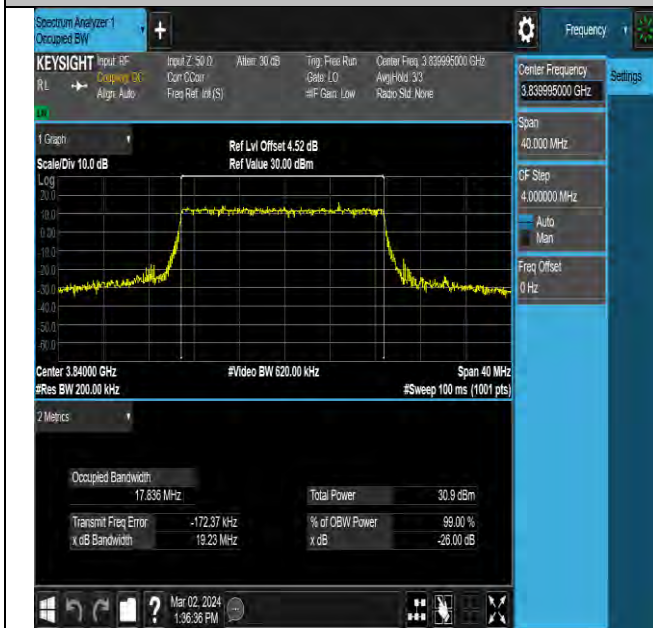
Reference No.: W7L-P23120020RF09



NTNV-N77-3700-3980-PC2-30-20-M-DFT-16QAM-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-20-M-DFT-64QAM-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-20-M-DFT-256QAM-
Outer_Full-Ant11-PASS

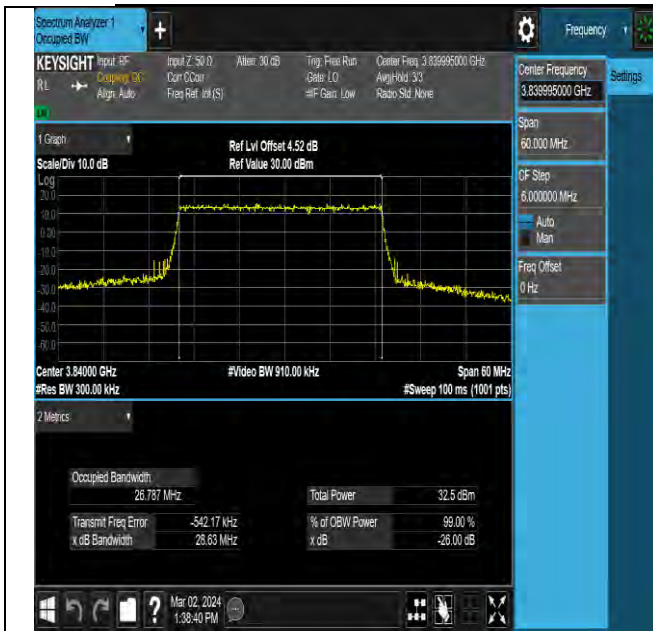


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Outer_Full-Ant11-PASS



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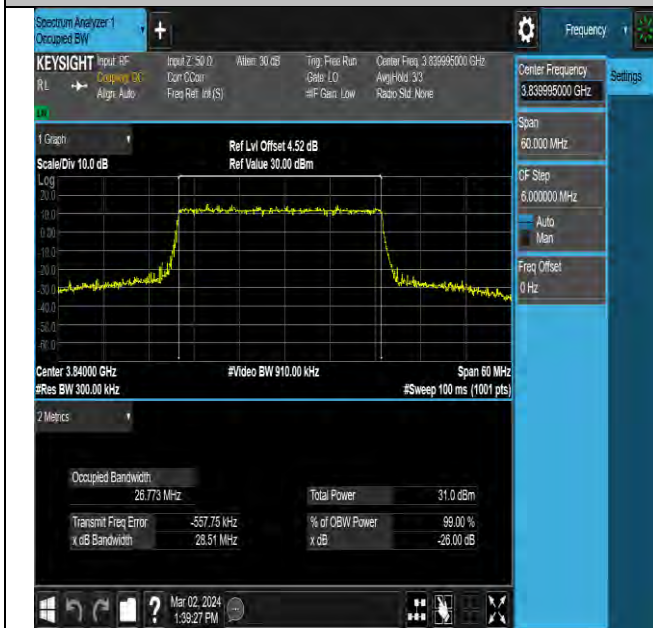
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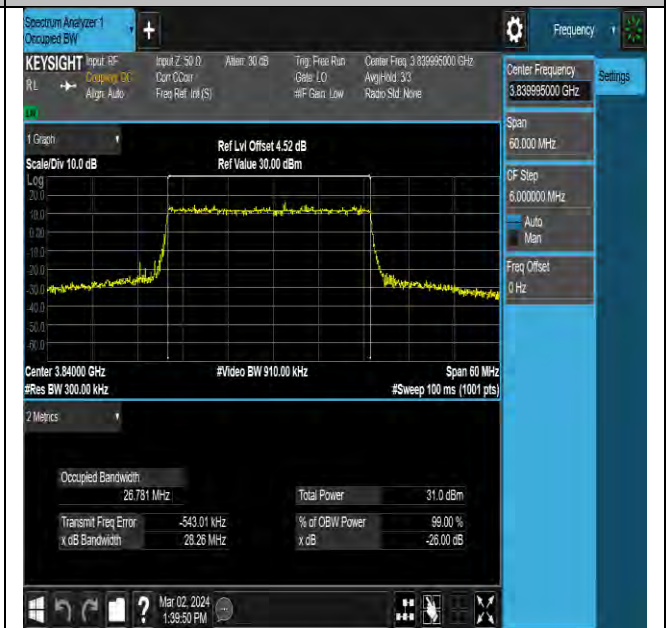
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NTNV-N77-3700-3980-PC2-30-30-M-DFT-64QAM-Outter_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-30-M-DFT-256QAM-Outter_Full-Ant11-PASS

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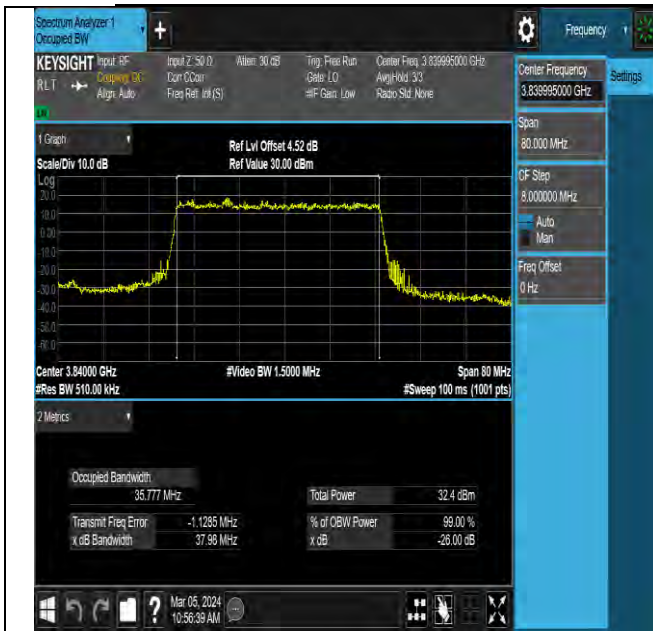
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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Reference No.: W7L-P23120020RF09



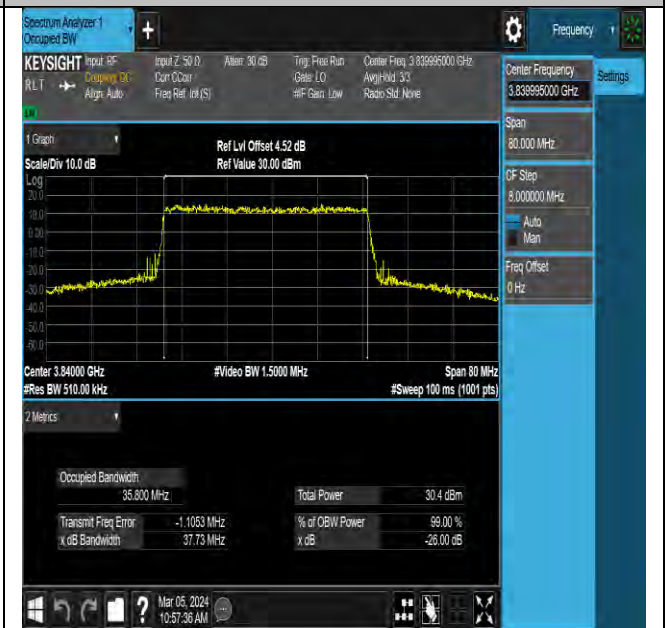
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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-40-M-DFT-16QAM-
Outer_Full-Ant11-PASS

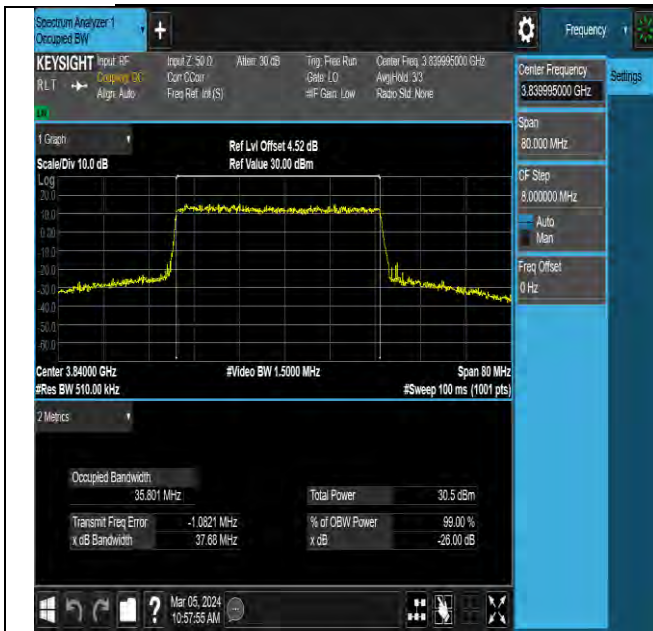


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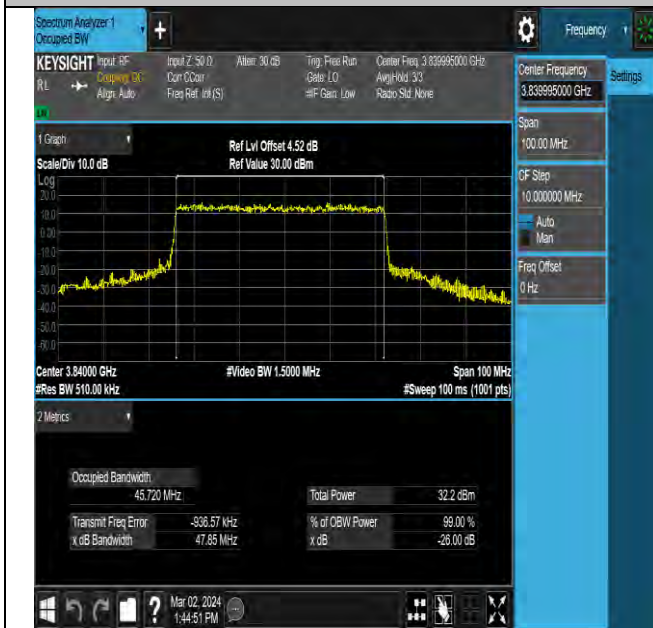
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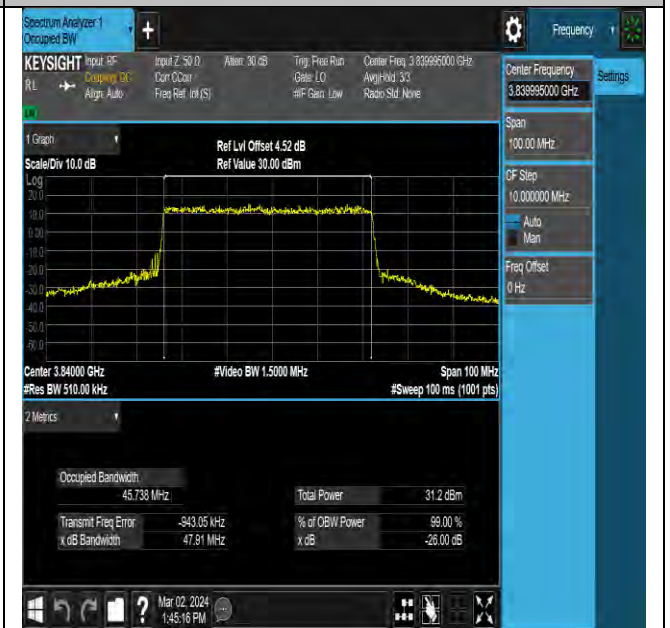
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NTNV-N77-3700-3980-PC2-30-50-M-DFT-PI2BPSK-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-50-M-DFT-QPSK-Outer_Full-
Ant11-PASS

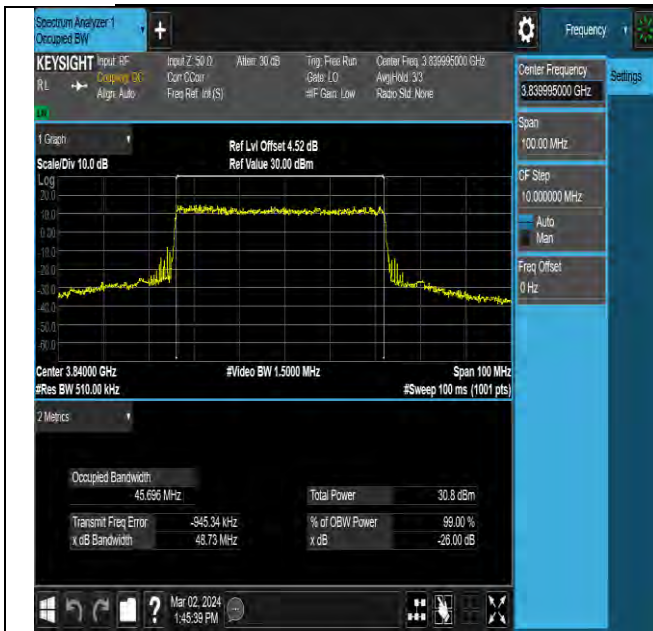


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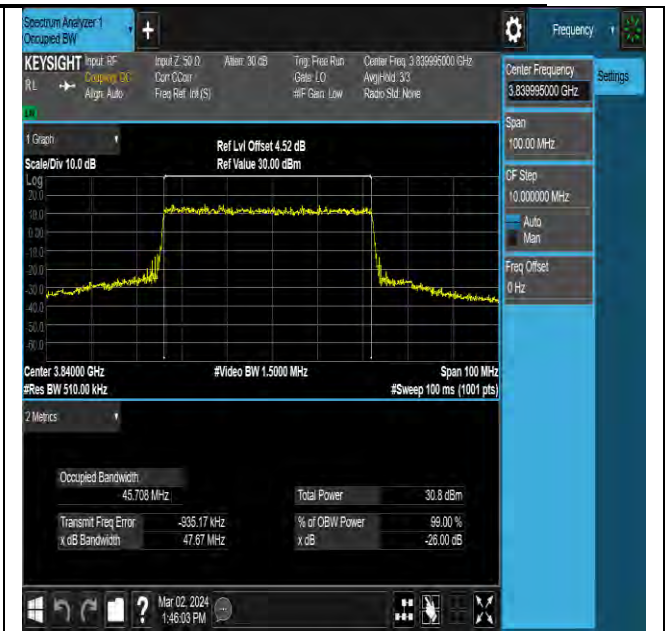


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Reference No.: W7L-P23120020RF09



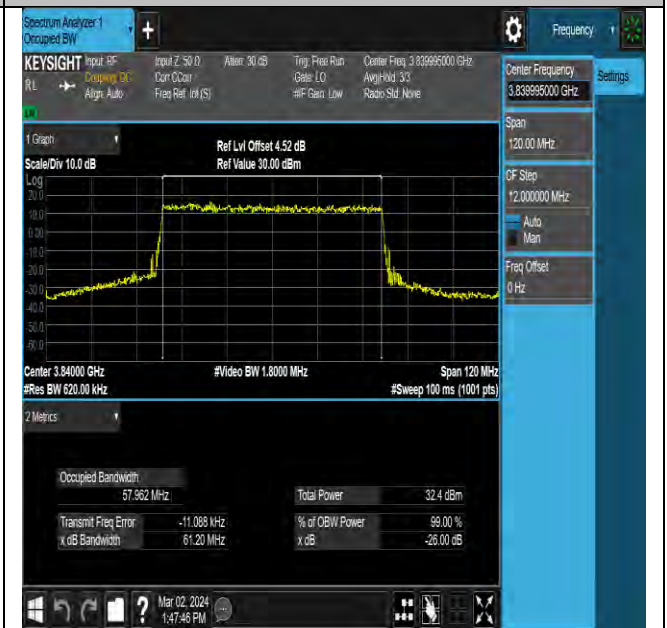
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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-60-M-DFT-PI2BPSK-
Outer_Full-Ant11-PASS

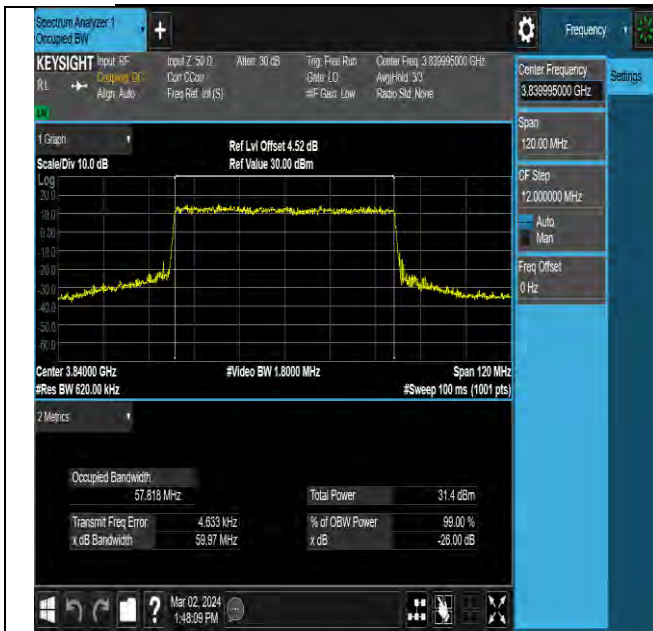


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Outer_Full-Ant11-PASS



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Reference No.: W7L-P23120020RF09



NTNV-N77-3700-3980-PC2-30-60-M-DFT-16QAM-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-60-M-DFT-64QAM-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-60-M-DFT-256QAM-
Outer_Full-Ant11-PASS

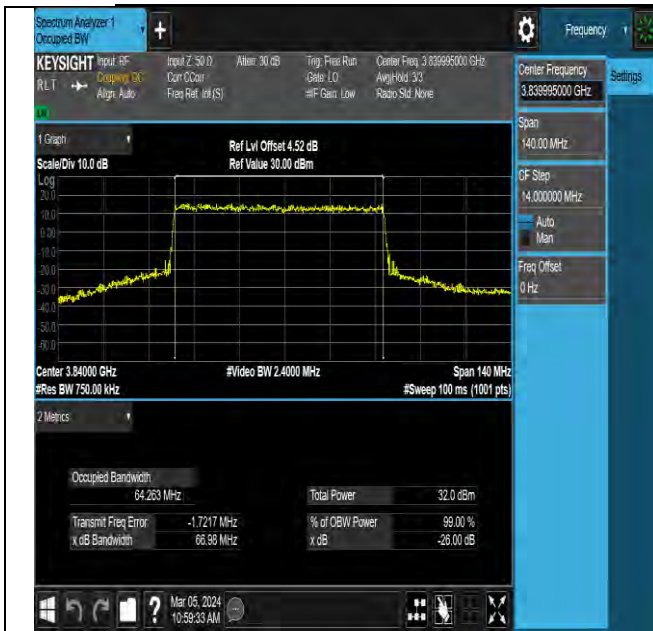


NTNV-N77-3700-3980-PC2-30-70-M-DFT-PI2BPSK-
Outer_Full-Ant11-PASS



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Reference No.: W7L-P23120020RF09



NTNV-N77-3700-3980-PC2-30-70-M-DFT-QPSK-Outter_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-70-M-DFT-16QAM-Outter_Full-Ant11-PASS



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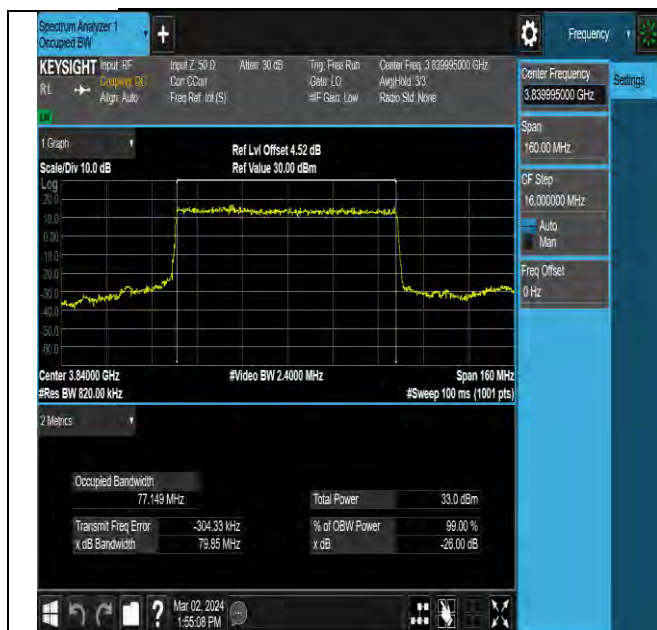


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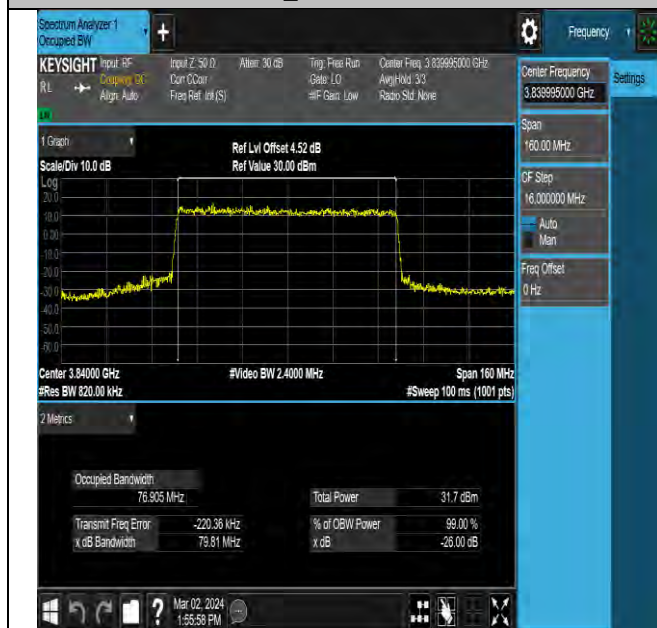
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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-80-M-DFT-QPSK-
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NTNV-N77-3700-3980-PC2-30-80-M-DFT-16QAM-
Outer_Full-Ant11-PASS

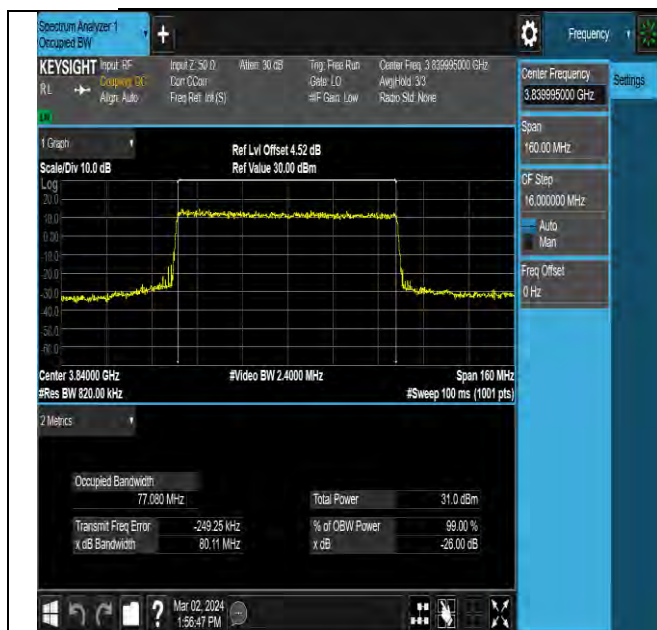


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Outer_Full-Ant11-PASS

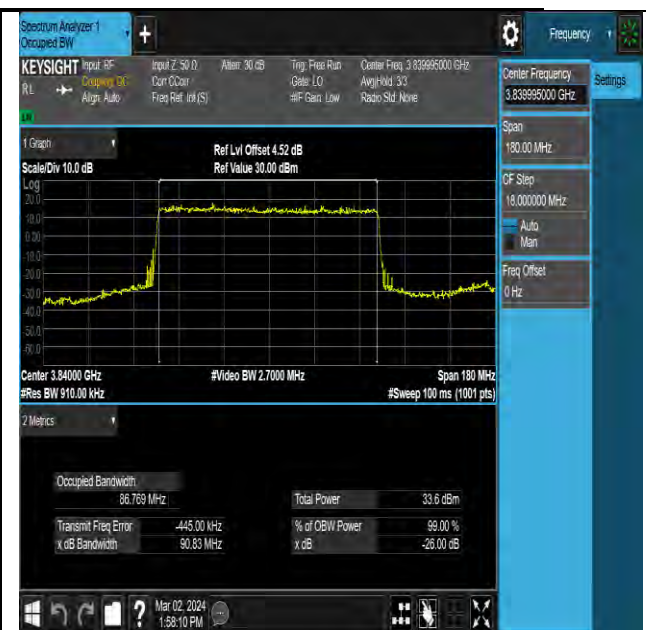


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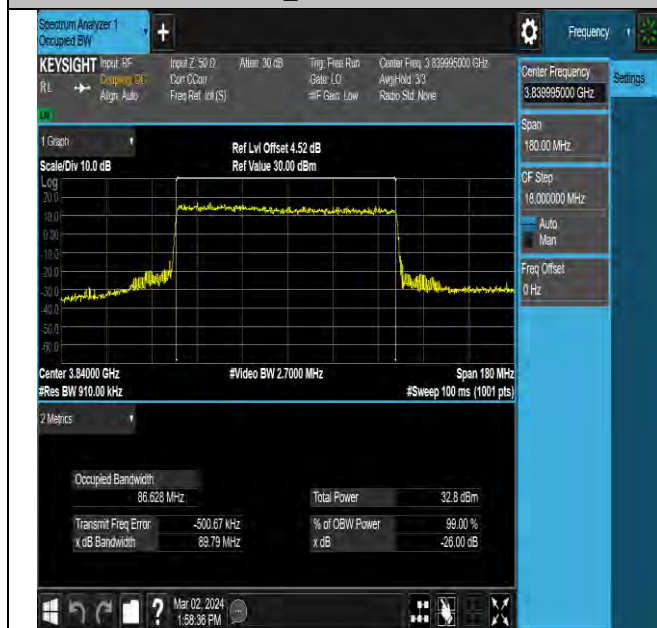
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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-90-M-DFT-PI2BPSK-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-90-M-DFT-QPSK-Outer_Full-
Ant11-PASS

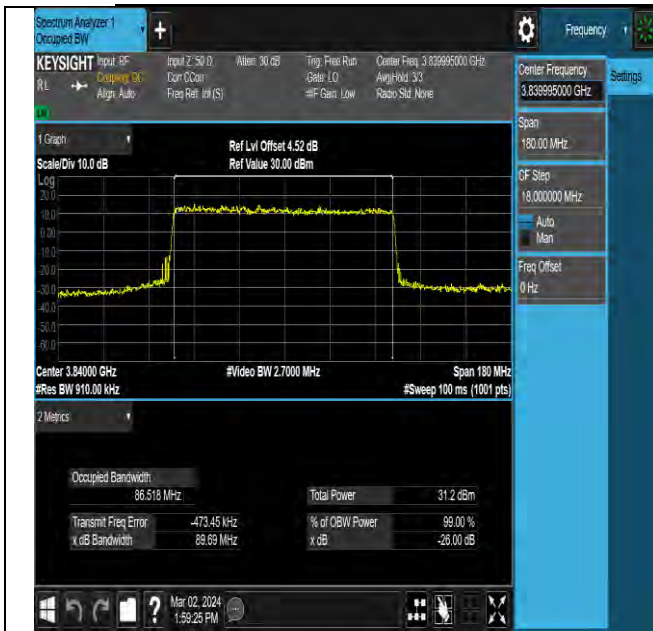


NTNV-N77-3700-3980-PC2-30-90-M-DFT-16QAM-
Outer_Full-Ant11-PASS



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Reference No.: W7L-P23120020RF09



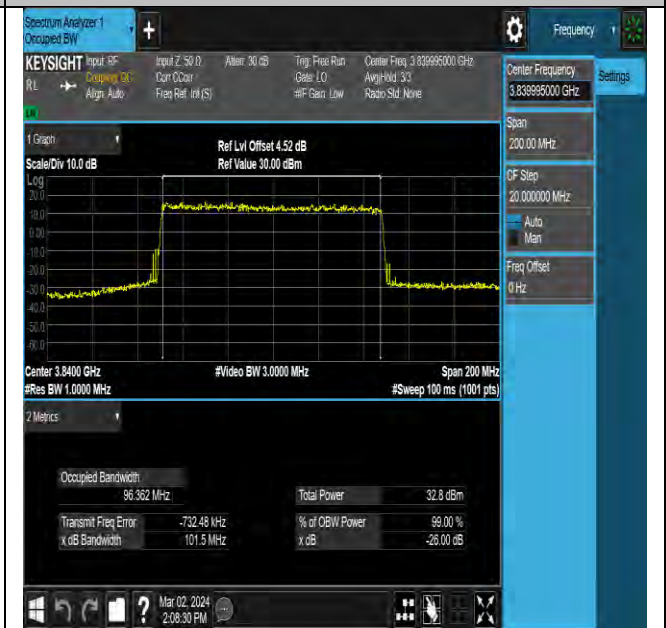
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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-90-M-DFT-256QAM-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-PI2BPSK-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK-
Outer_Full-Ant11-PASS

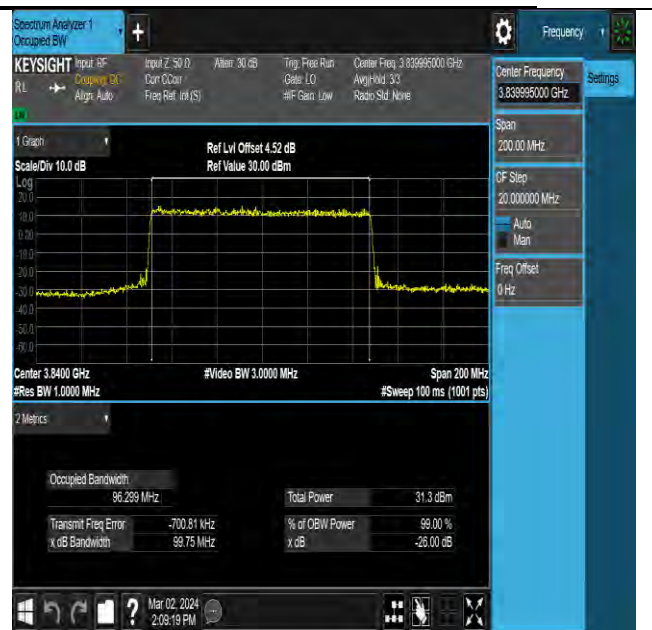


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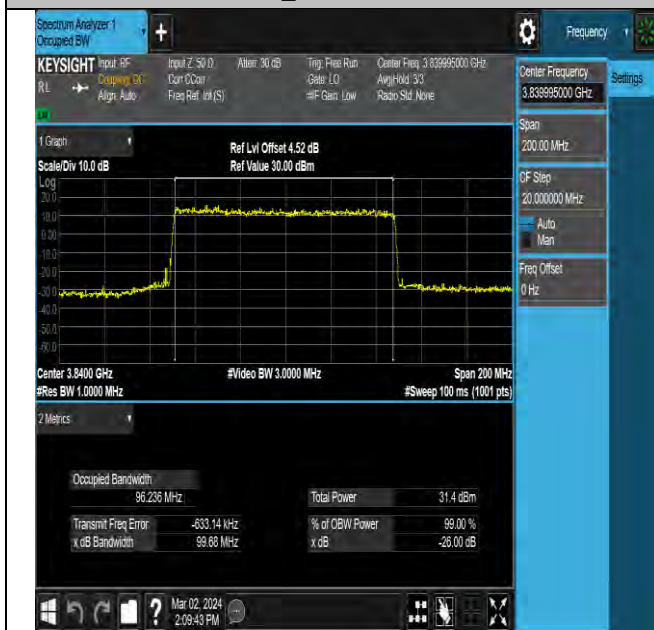
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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-64QAM-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-256QAM-
Outer_Full-Ant11-PASS

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**Band Edge for SA****Test Result**

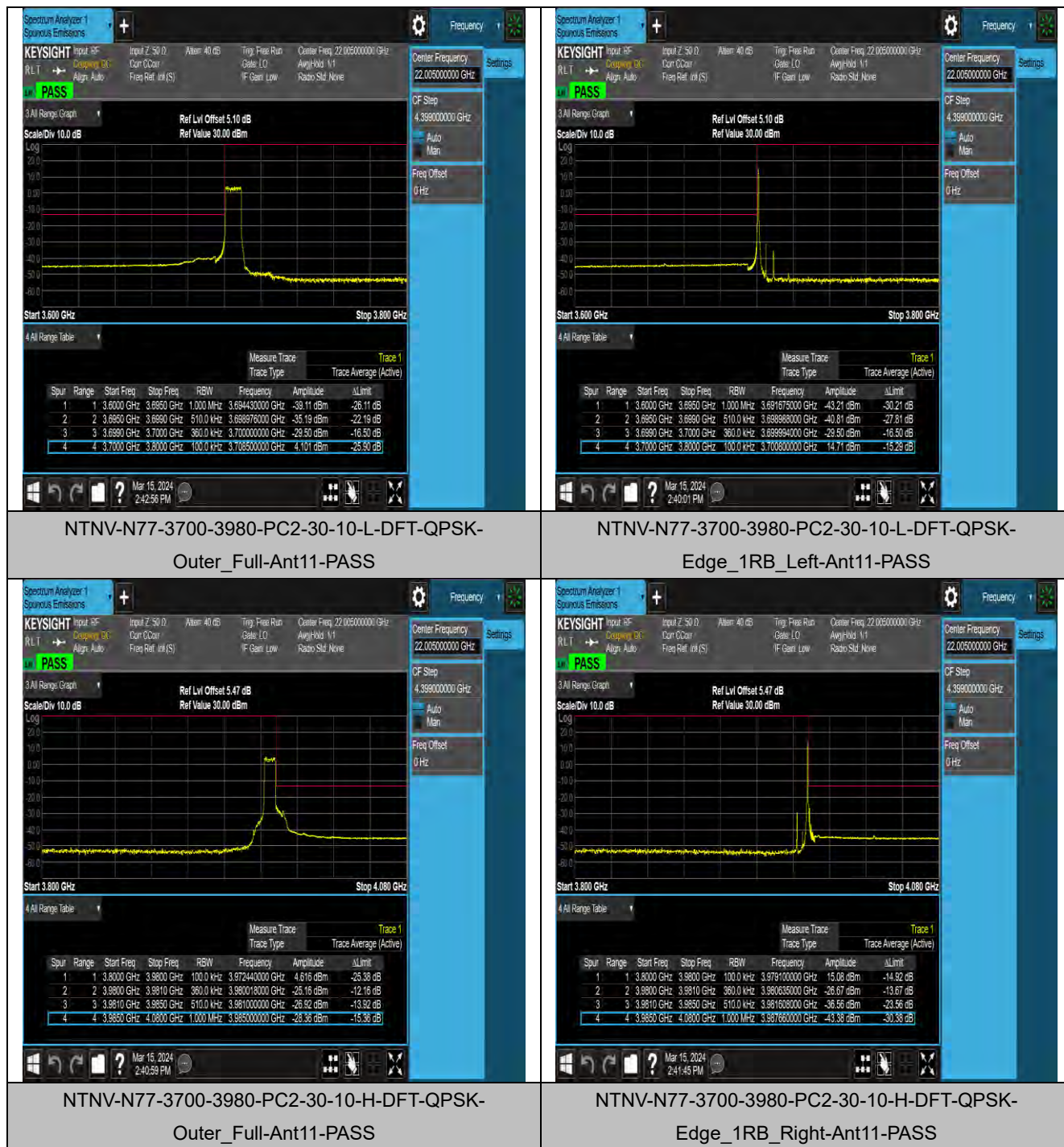
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	10	DFT-QPSK	L	Outer_Full	-29.50	PASS
N77-3700-3980	30	10	DFT-QPSK	L	Edge_1RB_Left	-29.50	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Outer_Full	-25.16	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Edge_1RB_Right	-26.67	PASS
N77-3700-3980	30	50	DFT-QPSK	L	Outer_Full	-38.45	PASS
N77-3700-3980	30	50	DFT-QPSK	L	Edge_1RB_Left	-35.46	PASS
N77-3700-3980	30	50	DFT-QPSK	H	Outer_Full	-34.06	PASS
N77-3700-3980	30	50	DFT-QPSK	H	Edge_1RB_Right	-35.28	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Outer_Full	-39.73	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	-33.42	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Outer_Full	-35.85	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Right	-30.42	PASS



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Test Graphs



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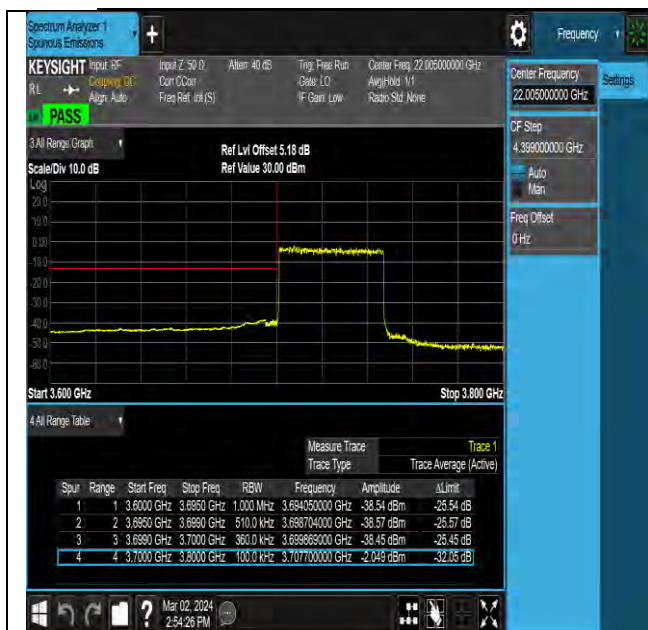
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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Guangdong, People's Republic of China

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Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com

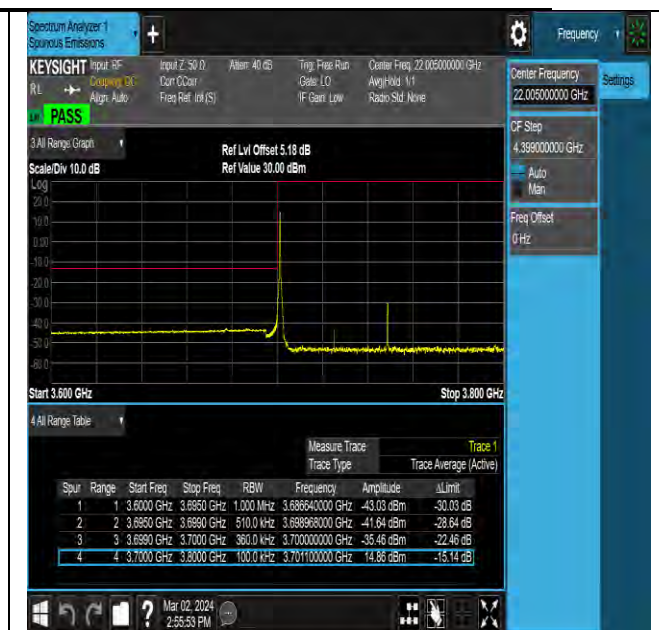


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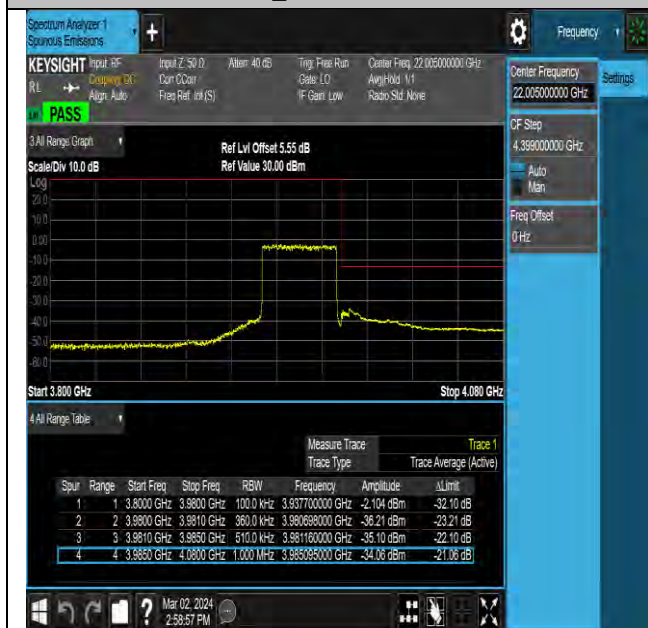
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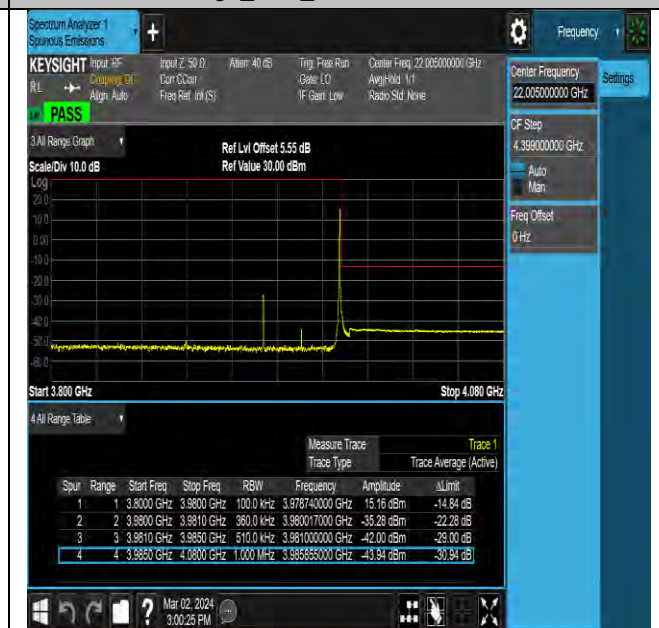
NTNV-N77-3700-3980-PC2-30-50-L-DFT-QPSK-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-50-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-50-H-DFT-QPSK-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-50-H-DFT-QPSK-
Edge_1RB_Right-Ant11-PASS

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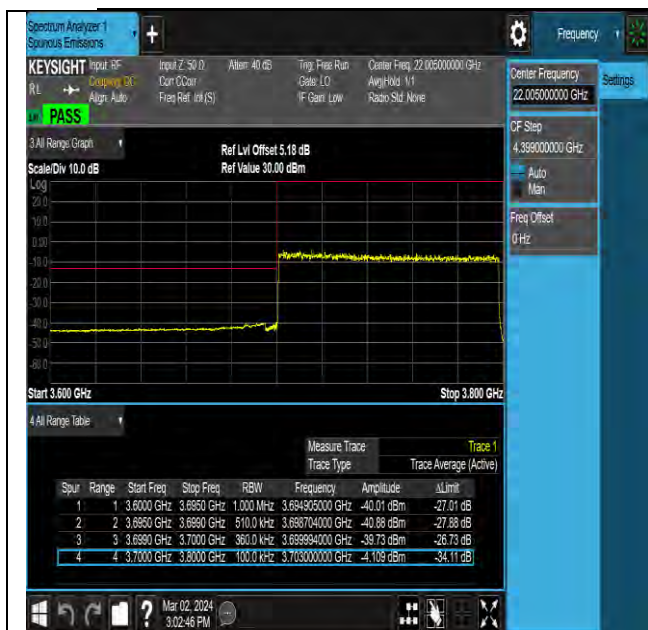
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Guangdong, People's Republic of China

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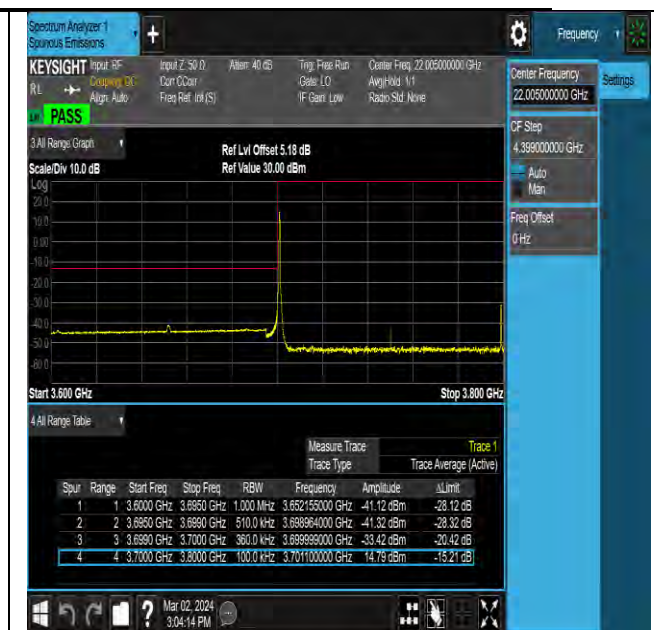


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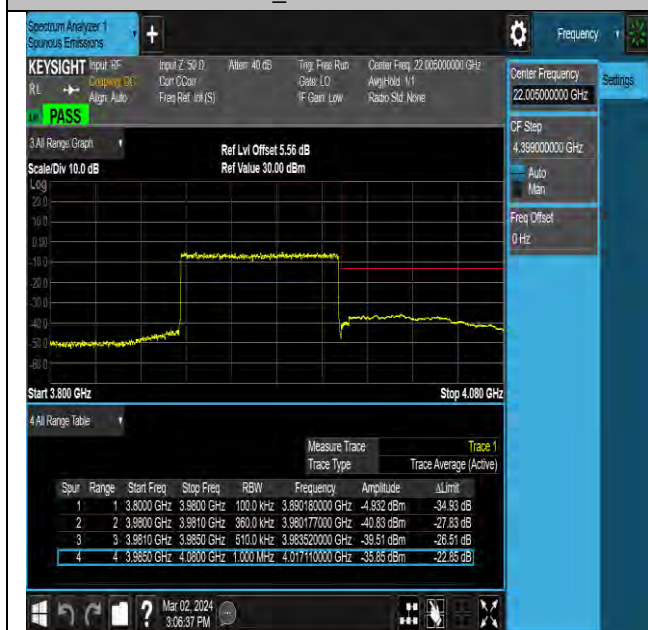
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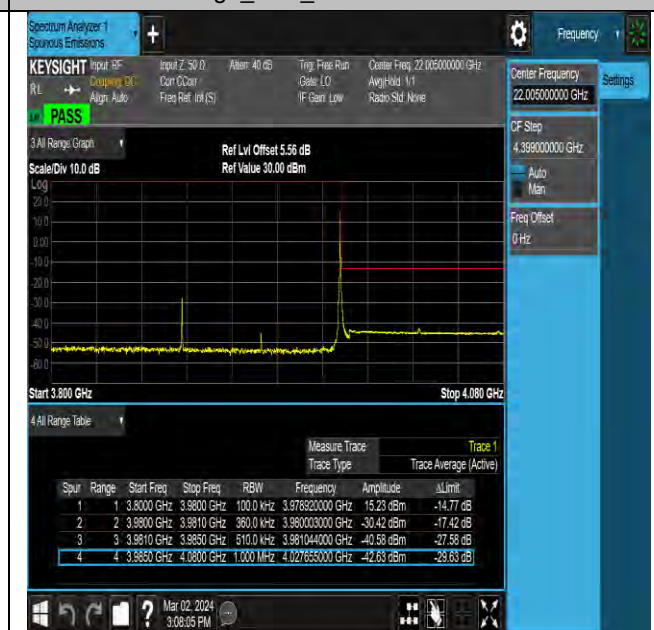
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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-
Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-
Edge_1RB_Right-Ant11-PASS

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

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3700-3980	30	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-47.51	-13	PASS
N77-3700-3980	30	10	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-23.86	-13	PASS
N77-3700-3980	30	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-47.65	-13	PASS
N77-3700-3980	30	10	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.68	-13	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-47.70	-13	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.32	-13	PASS
N77-3700-3980	30	50	DFT-QPSK	M	Edge_1RB_Left	30	1000	-47.53	-13	PASS
N77-3700-3980	30	50	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-23.72	-13	PASS
N77-3700-3980	30	50	DFT-QPSK	H	Edge_1RB_Left	30	1000	-47.53	-13	PASS
N77-3700-3980	30	50	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-23.85	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	30	1000	-47.59	-13	PASS



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Reference No.: W7L-P23120020RF09

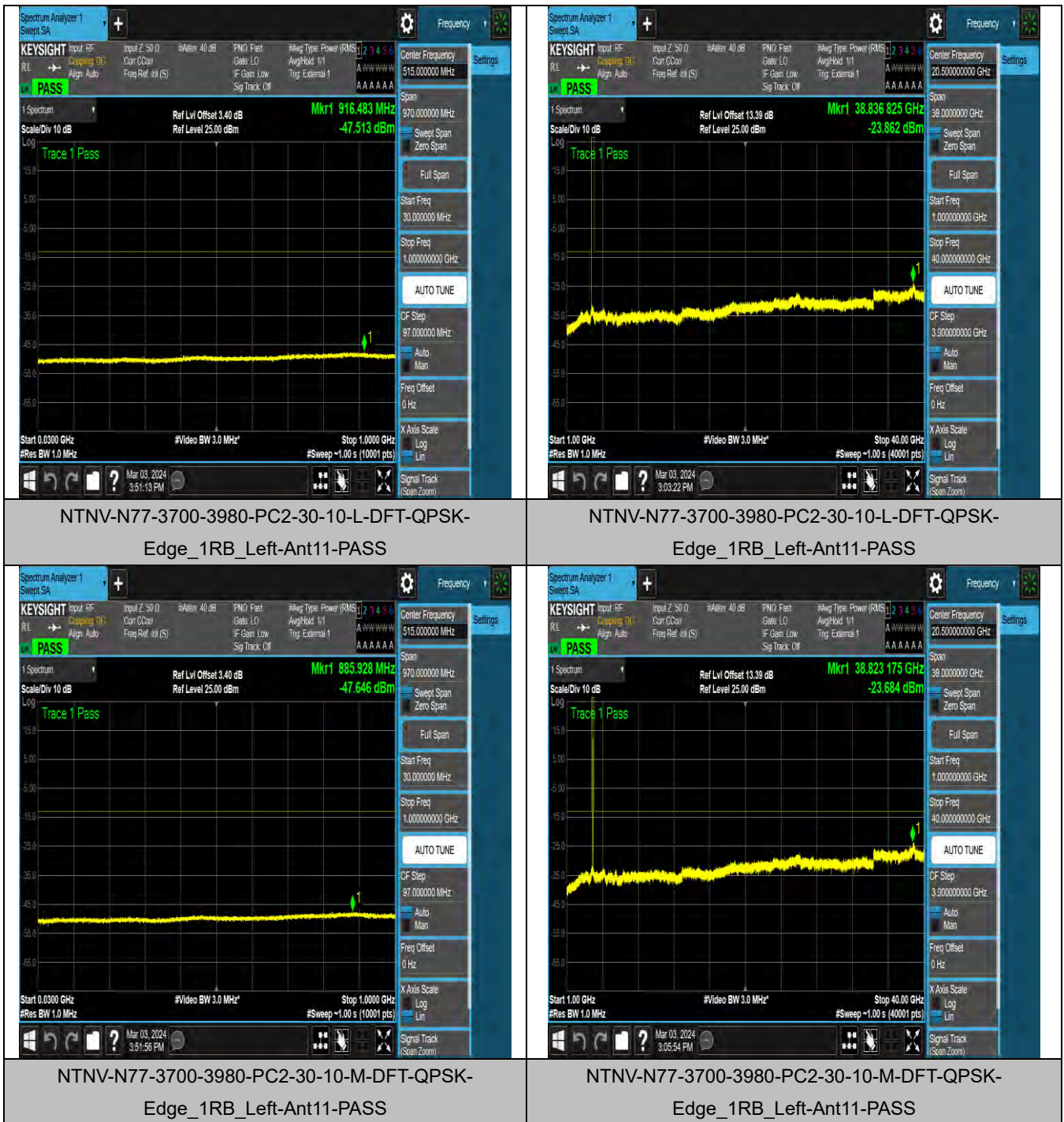
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-23.88	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-47.68	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-24.33	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Left	30	1000	-47.52	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-24.18	-13	PASS
N77-3700-3980	30	50	DFT-QPSK	L	Edge_1RB_Left	30	1000	-47.54	-13	PASS
N77-3700-3980	30	50	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-24.34	-13	PASS



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Test Graphs



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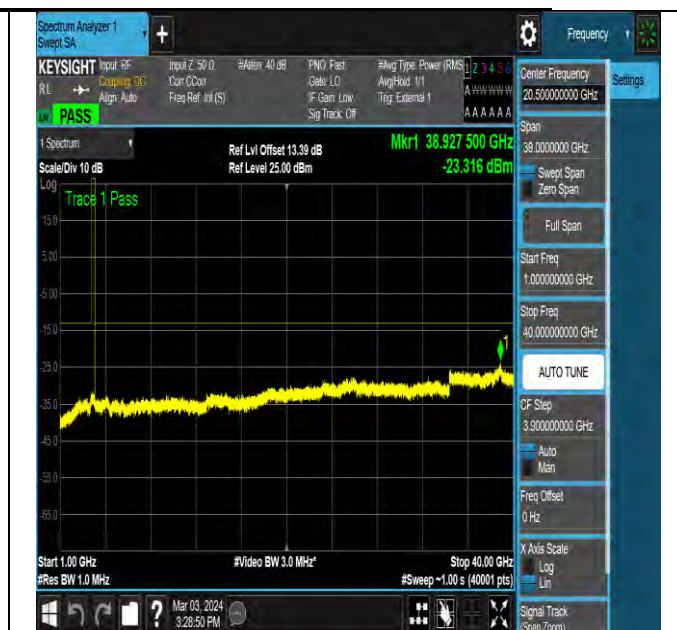


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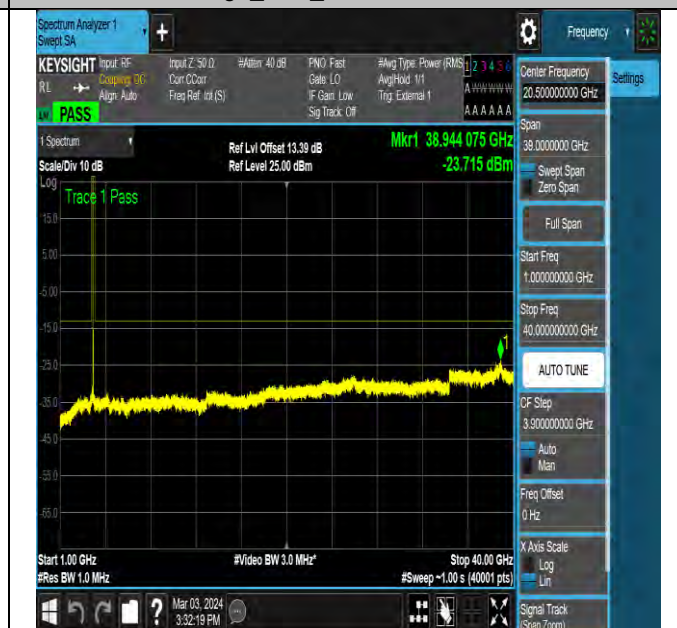
NTNV-N77-3700-3980-PC2-30-10-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-10-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-50-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-50-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



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Reference No.: W7L-P23120020RF09



NTNV-N77-3700-3980-PC2-30-50-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-50-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS

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Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



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NTNV-N77-3700-3980-PC2-30-50-L-DFT-QPSK-
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**Frequency Stability for SA****Test Result****Frequency Error VS. Voltage**

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VL	NT	10.000000	0.002695	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VN	NT	3.000000	0.000809	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VH	NT	13.000000	0.003504	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VL	NT	18.000000	0.004688	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VN	NT	2.000000	0.000521	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VH	NT	14.000000	0.003646	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VL	NT	17.000000	0.004282	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VN	NT	4.000000	0.001008	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	VH	NT	16.000000	0.004030	PASS

Frequency Error VS. Temperature



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Reference No.: W7L-P23120020RF09

Voltage

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-30	6.000000	0.001617	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-20	19.000000	0.005121	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-10	10.000000	0.002695	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	0	12.000000	0.003234	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	10	18.000000	0.004852	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	20	12.000000	0.003234	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	30	5.000000	0.001348	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	40	15.000000	0.004043	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	50	8.000000	0.002156	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-30	5.000000	0.001302	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-20	14.000000	0.003646	PASS
N77-3700-	30	20	DFT-QPSK	M	Outer_Full	NV	-10	14.000000	0.003646	PASS

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Reference No.: W7L-P23120020RF09

3980										
N77- 3700- 3980	30	20	DFT-QPSK	M	Outer_Full	NV	0	17.000000	0.004427	PASS
N77- 3700- 3980	30	20	DFT-QPSK	M	Outer_Full	NV	10	11.000000	0.002865	PASS
N77- 3700- 3980	30	20	DFT-QPSK	M	Outer_Full	NV	20	1.000000	0.000260	PASS
N77- 3700- 3980	30	20	DFT-QPSK	M	Outer_Full	NV	30	11.000000	0.002865	PASS
N77- 3700- 3980	30	20	DFT-QPSK	M	Outer_Full	NV	40	11.000000	0.002865	PASS
N77- 3700- 3980	30	20	DFT-QPSK	M	Outer_Full	NV	50	14.000000	0.003646	PASS
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	-30	7.000000	0.001763	PASS
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	-20	16.000000	0.004030	PASS
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	-10	13.000000	0.003275	PASS
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	0	19.000000	0.004786	PASS
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	10	13.000000	0.003275	PASS
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	20	15.000000	0.003778	PASS
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	30	16.000000	0.004030	PASS



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3700- 3980										
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	40	6.000000	0.001511	PASS
N77- 3700- 3980	30	20	DFT-QPSK	H	Outer_Full	NV	50	9.000000	0.002267	PASS

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