



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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Reference No.: W7L-P23120020RF09

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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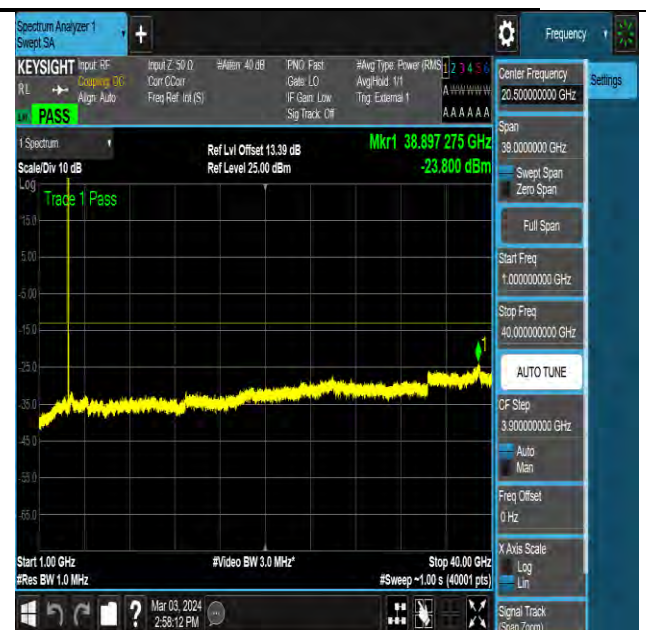


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Reference No.: W7L-P23120020RF09



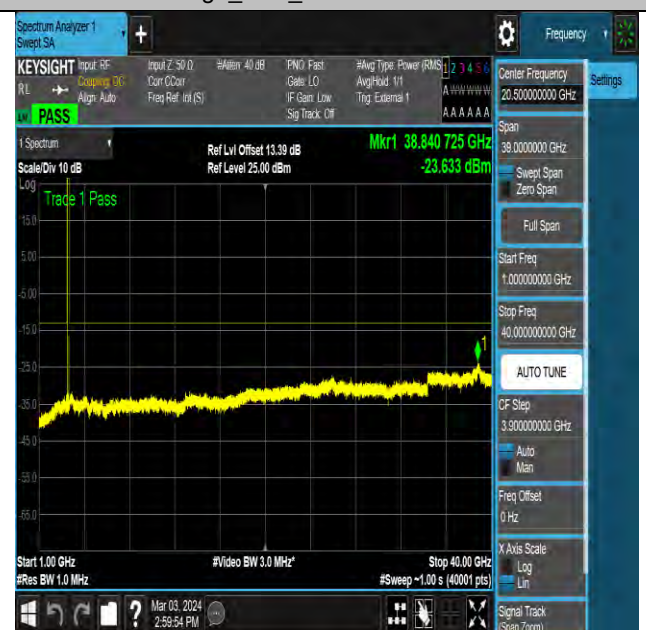
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Edge_1RB_Left-Ant11-PASS



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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Reference No.: W7L-P23120020RF09



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



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

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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



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Reference No.: W7L-P23120020RF09

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



Reference No.: W7L-P23120020RF09

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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Reference No.: W7L-P23120020RF09

Test Graphs



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



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



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



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



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Reference No.: W7L-P23120020RF09



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



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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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Reference No.: W7L-P23120020RF09

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



Reference No.: W7L-P23120020RF09

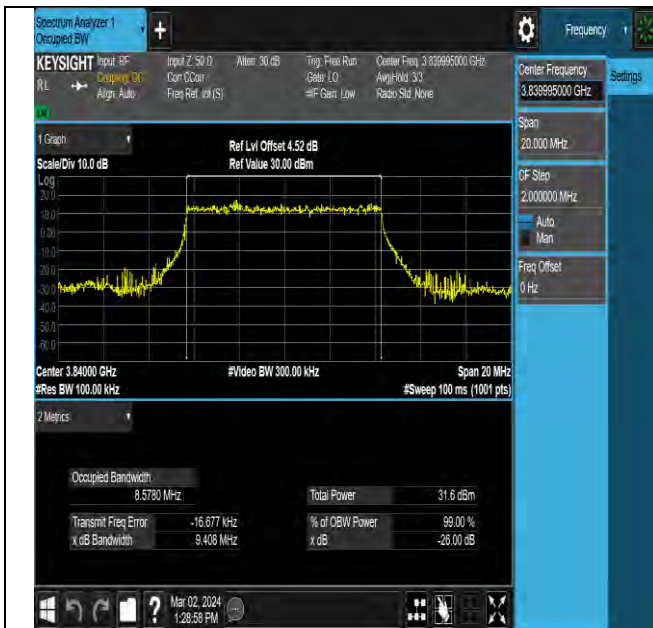
3700-3980								
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	96.362	101.5	PASS
N77-3700-3980	30	100	DFT-16QAM	M	Outer_Full	96.401	99.89	PASS
N77-3700-3980	30	100	DFT-64QAM	M	Outer_Full	96.299	99.75	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	96.236	99.68	PASS



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Reference No.: W7L-P23120020RF09

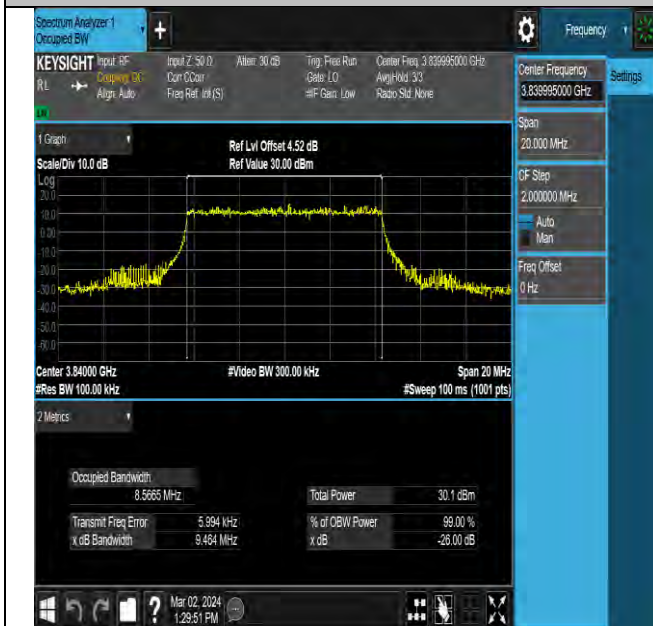
Test Graphs



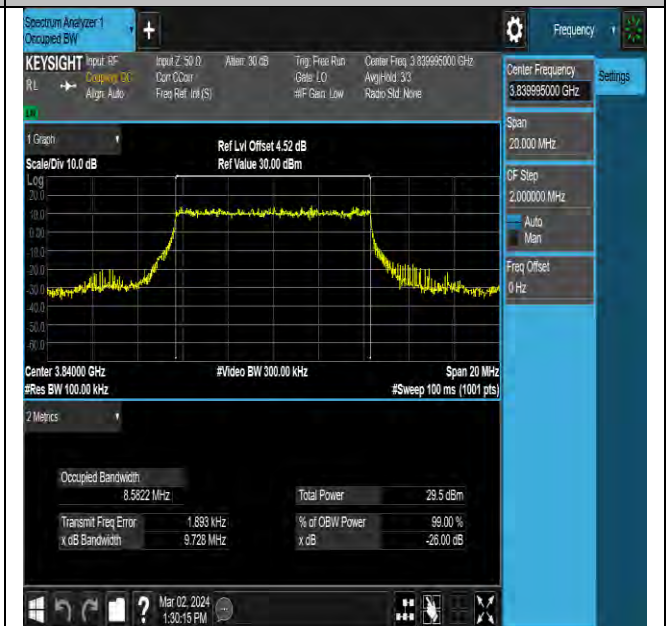
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Outer_Full-Ant11-PASS



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Outer_Full-Ant11-PASS



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

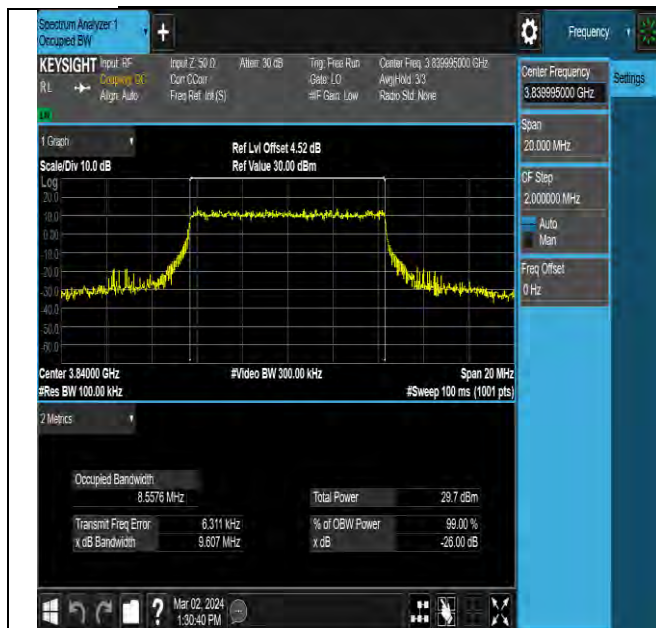


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Outer_Full-Ant11-PASS



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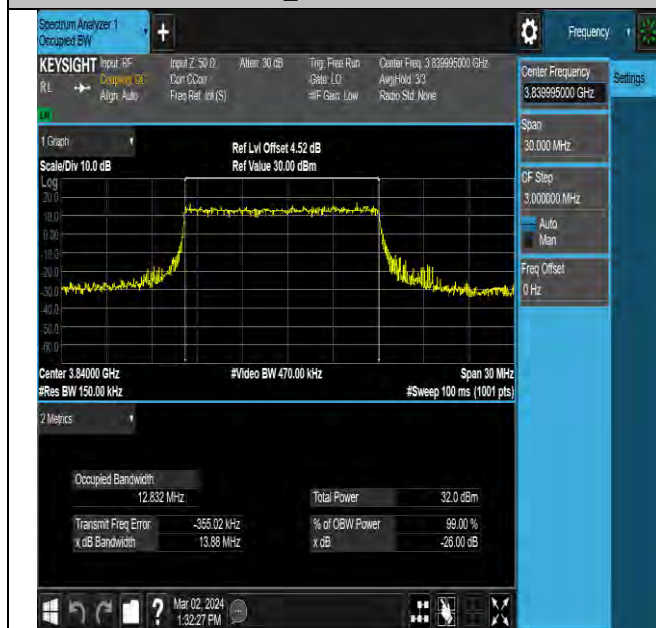
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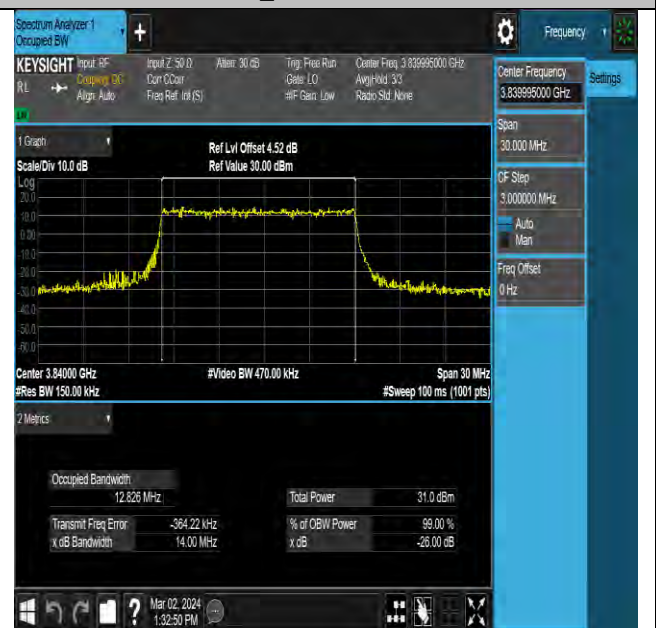
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Outer_Full-Ant11-PASS



NTNV-N77-3700-3980-PC2-30-15-M-DFT-PI2BPSK-
Outer_Full-Ant11-PASS



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

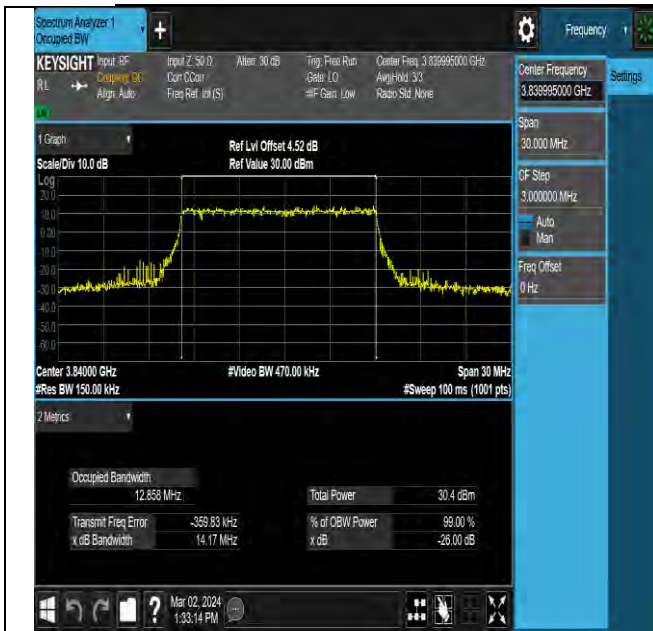


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Outer_Full-Ant11-PASS

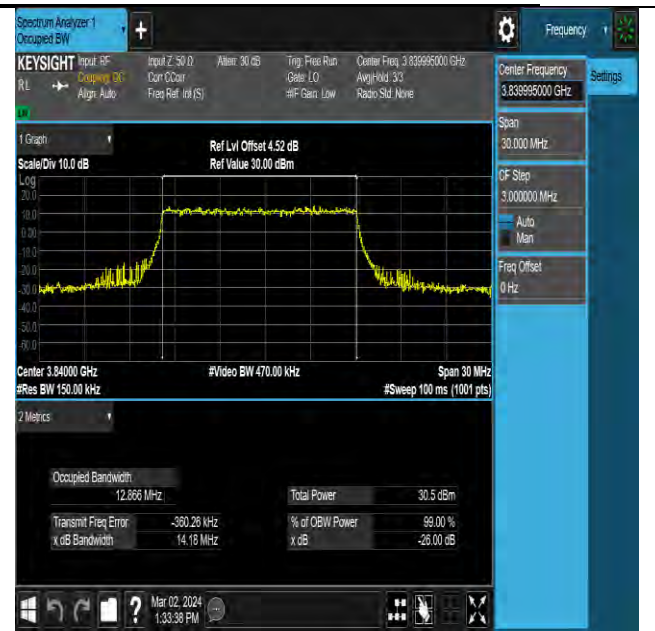


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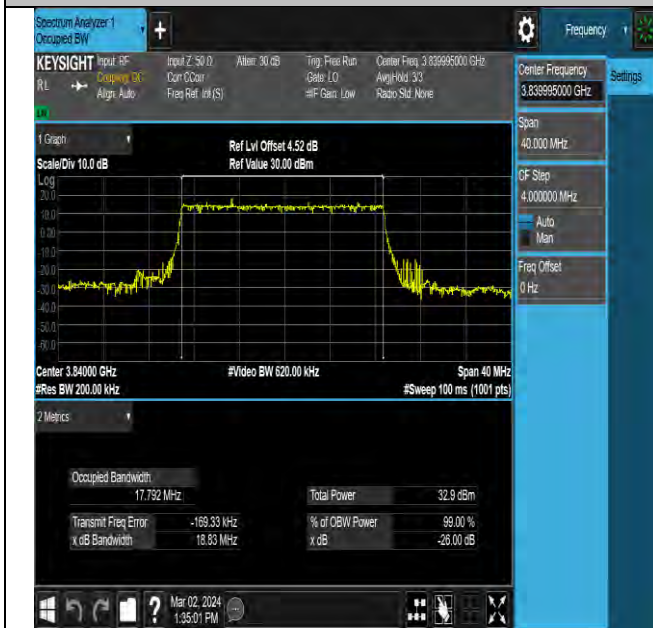
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NTNV-N77-3700-3980-PC2-30-15-M-DFT-64QAM-
Outer_Full-Ant11-PASS



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

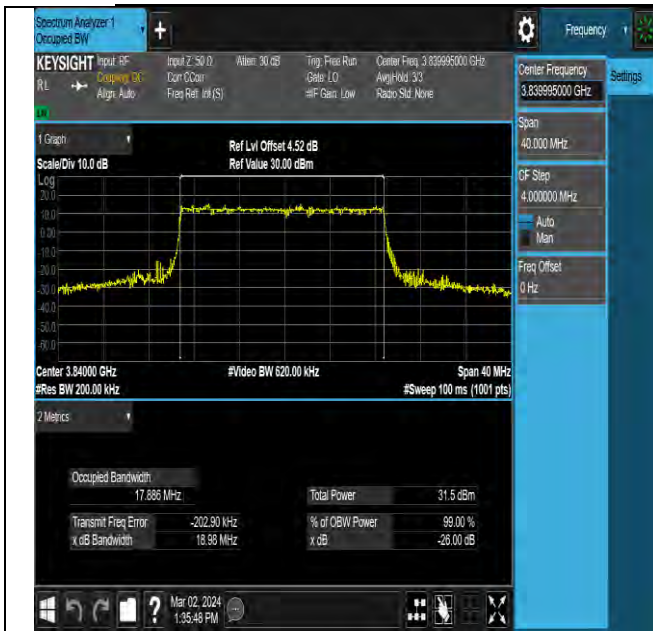


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Outer_Full-Ant11-PASS

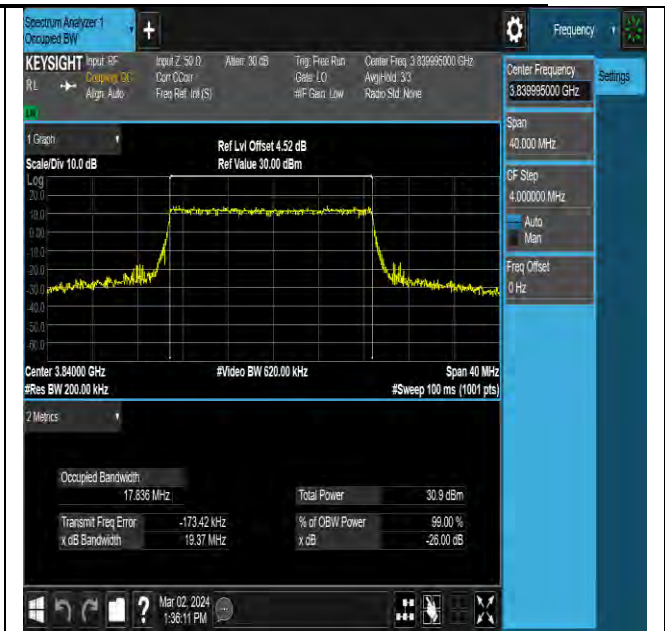


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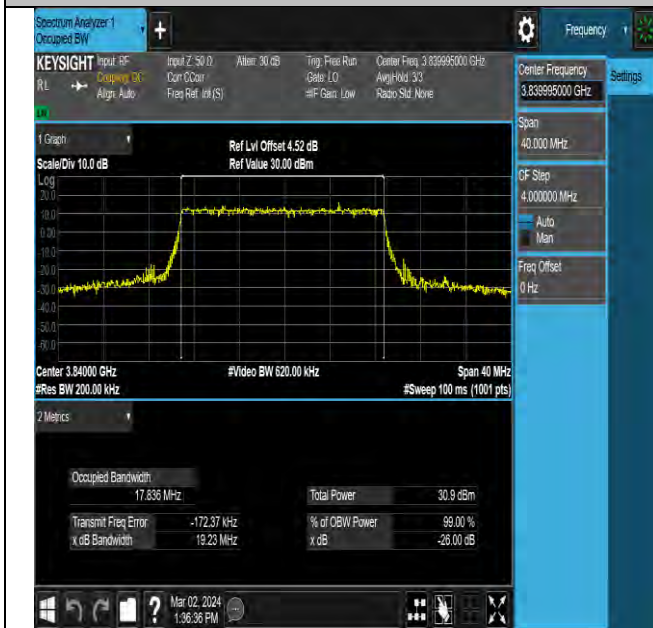
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NTNV-N77-3700-3980-PC2-30-20-M-DFT-16QAM-
Outer_Full-Ant11-PASS



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

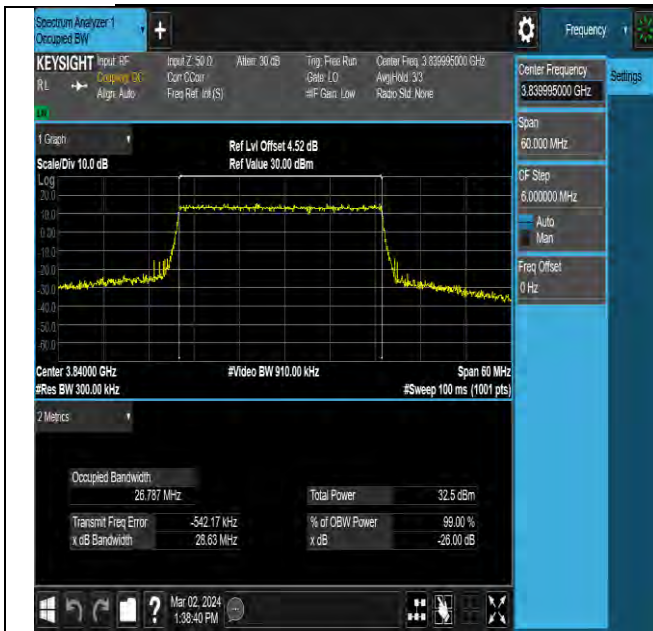


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Outer_Full-Ant11-PASS



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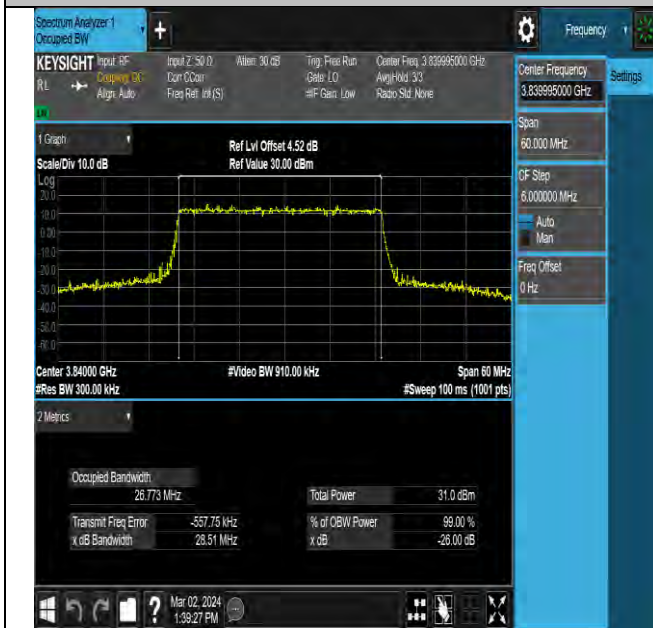
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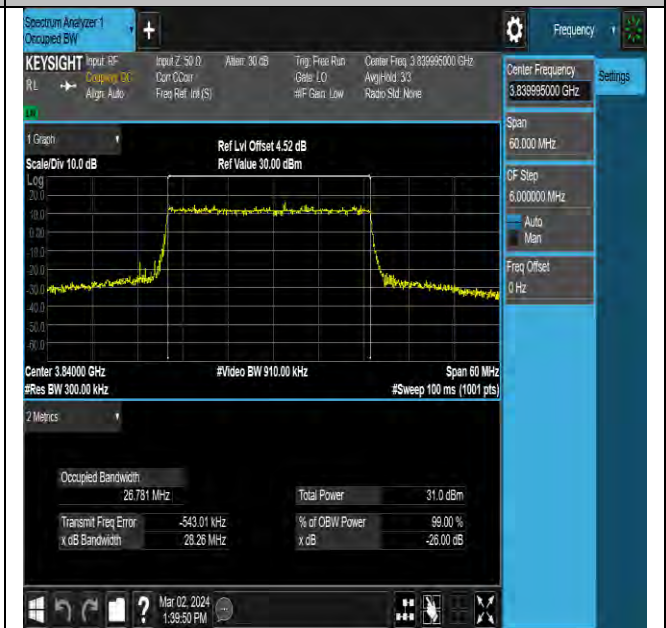
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NTNV-N77-3700-3980-PC2-30-30-M-DFT-64QAM-Outter_Full-Ant11-PASS

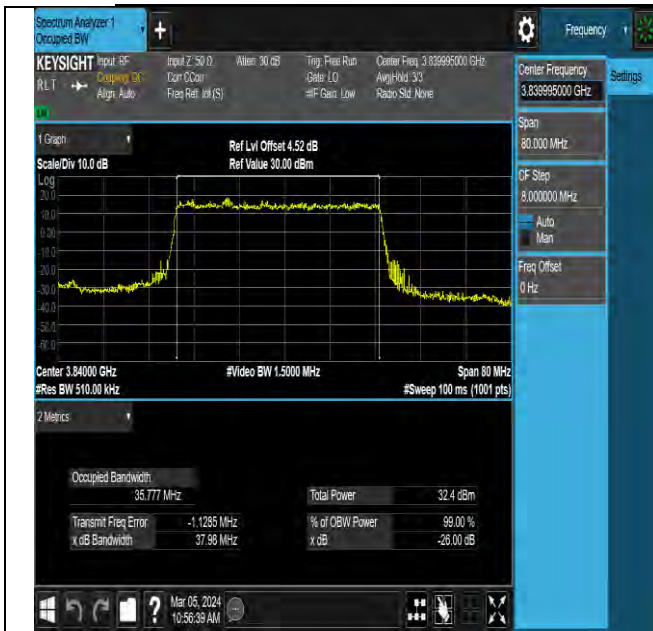


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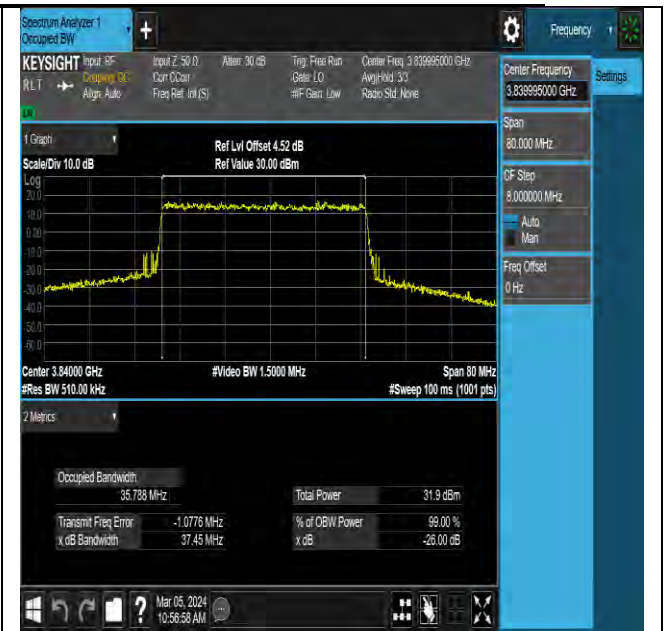


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Reference No.: W7L-P23120020RF09



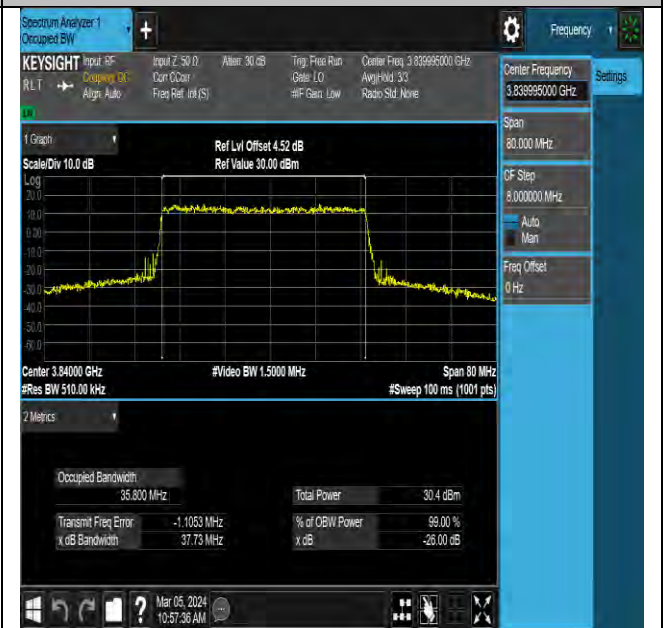
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Outer_Full-Ant11-PASS



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



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

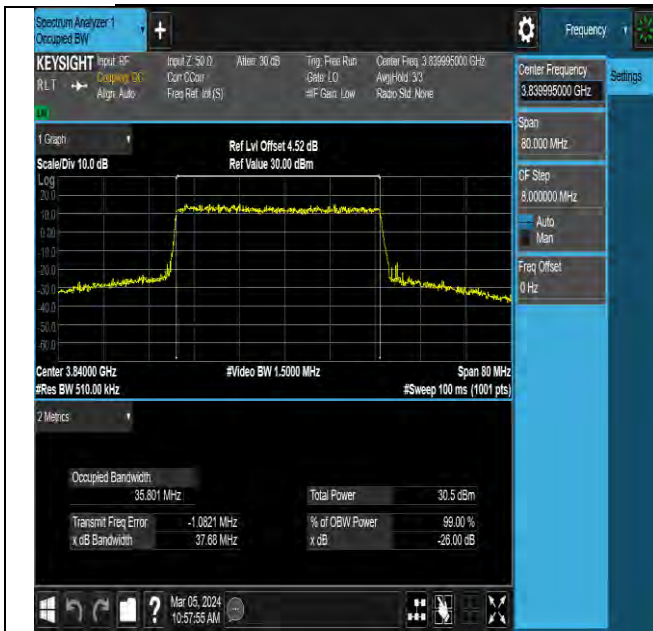


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Outer_Full-Ant11-PASS



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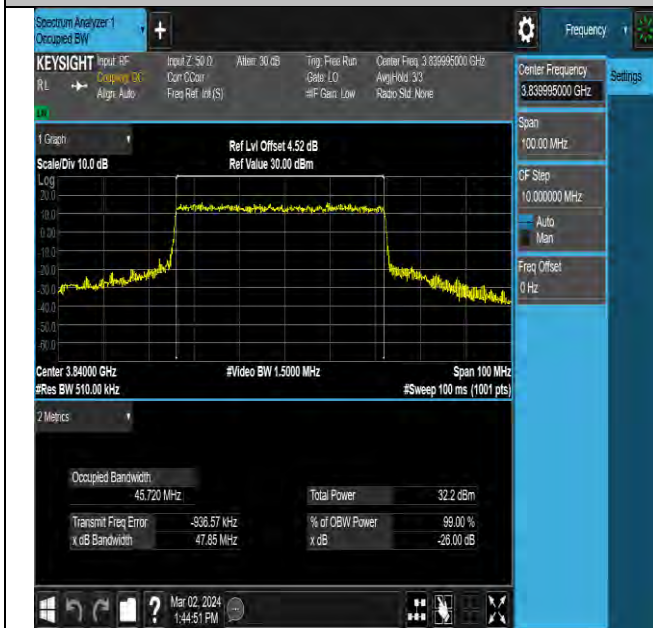
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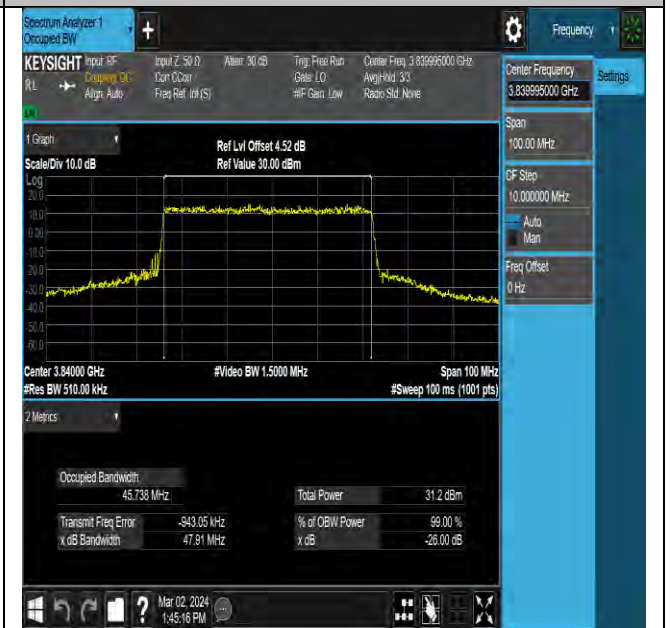
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Outer_Full-Ant11-PASS



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

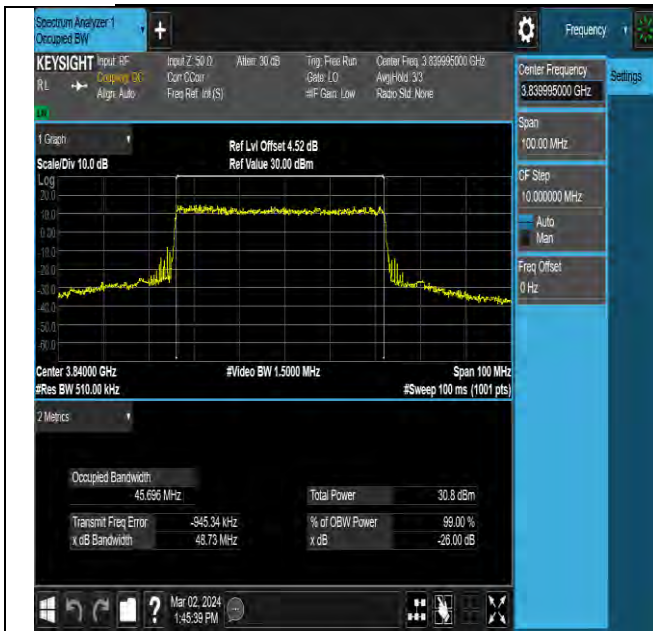


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Outer_Full-Ant11-PASS

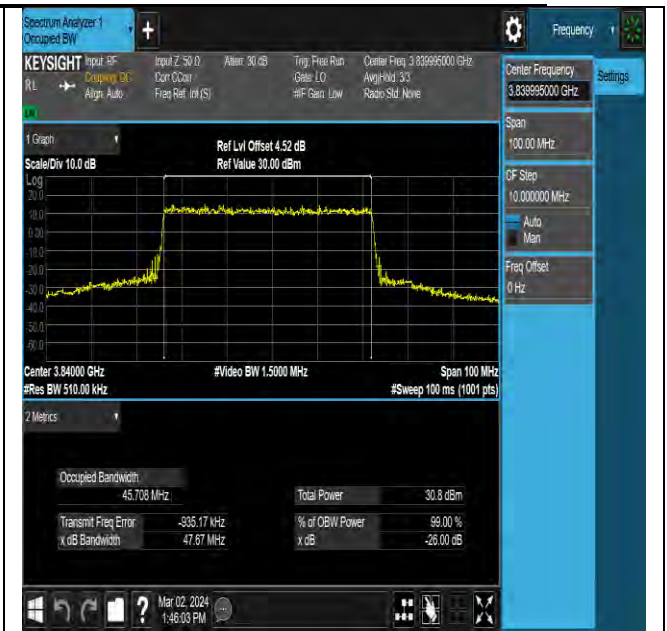


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Reference No.: W7L-P23120020RF09



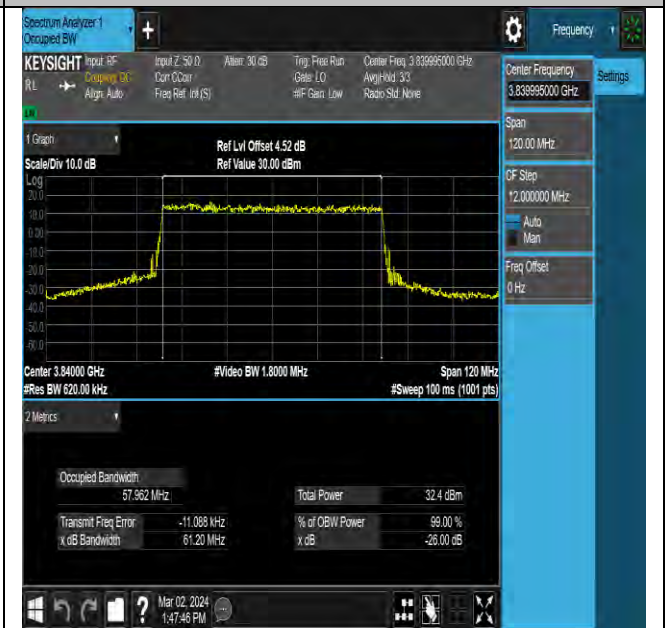
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Outer_Full-Ant11-PASS

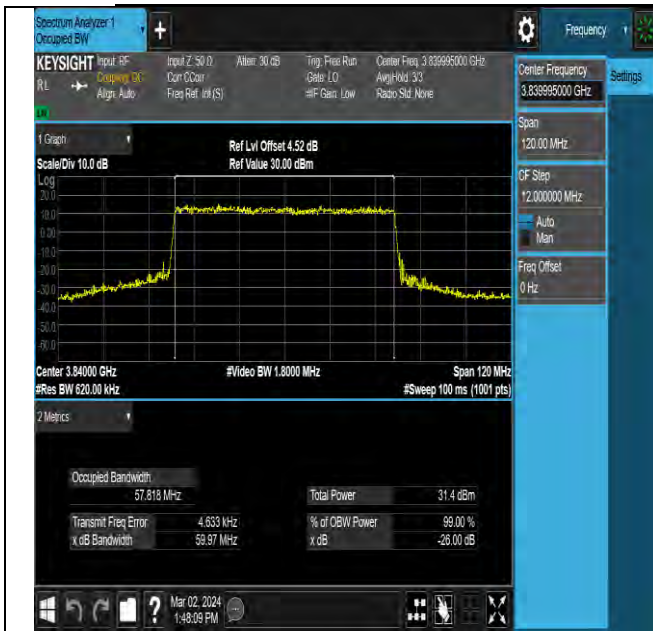


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Outer_Full-Ant11-PASS

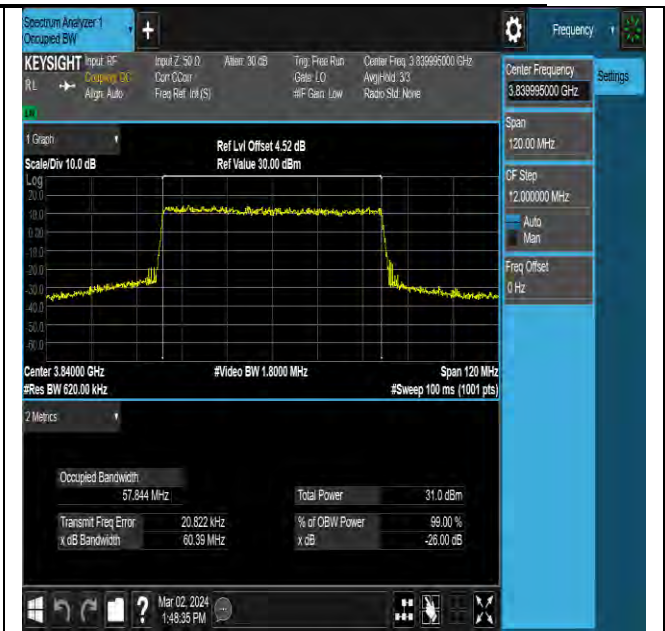


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Reference No.: W7L-P23120020RF09



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

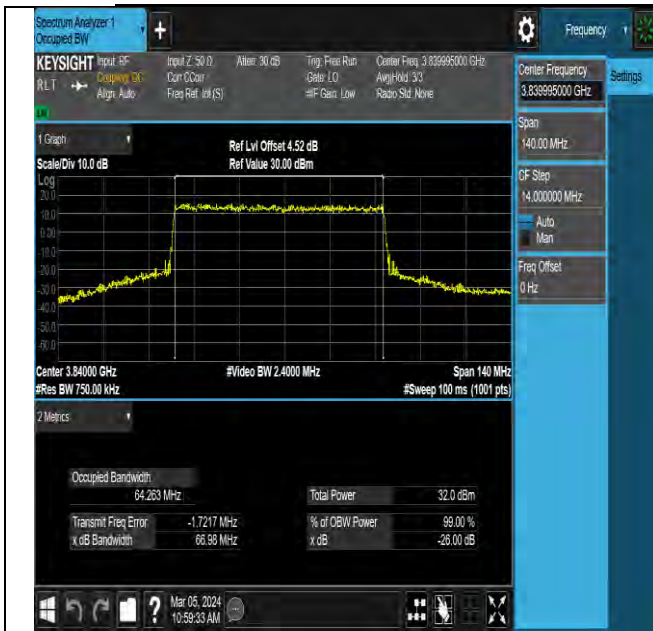


NTNV-N77-3700-3980-PC2-30-70-M-DFT-PI2BPSK-
Outer_Full-Ant11-PASS



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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



NTNV-N77-3700-3980-PC2-30-70-M-DFT-64QAM-Outter_Full-Ant11-PASS

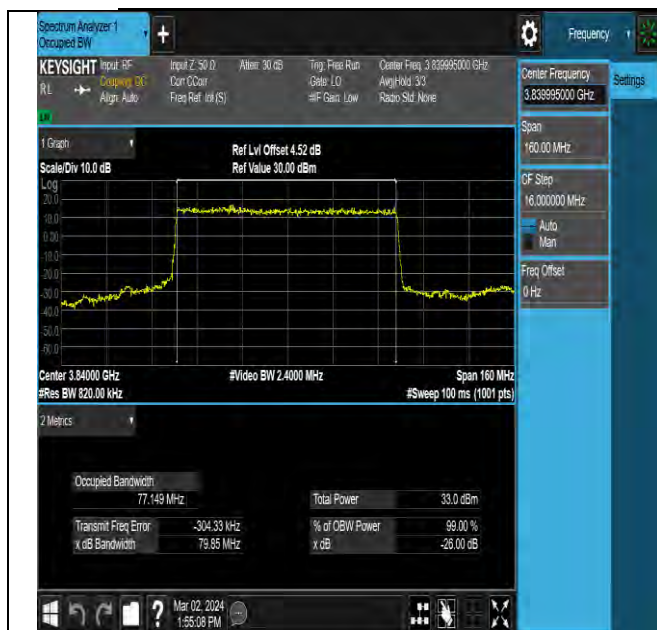


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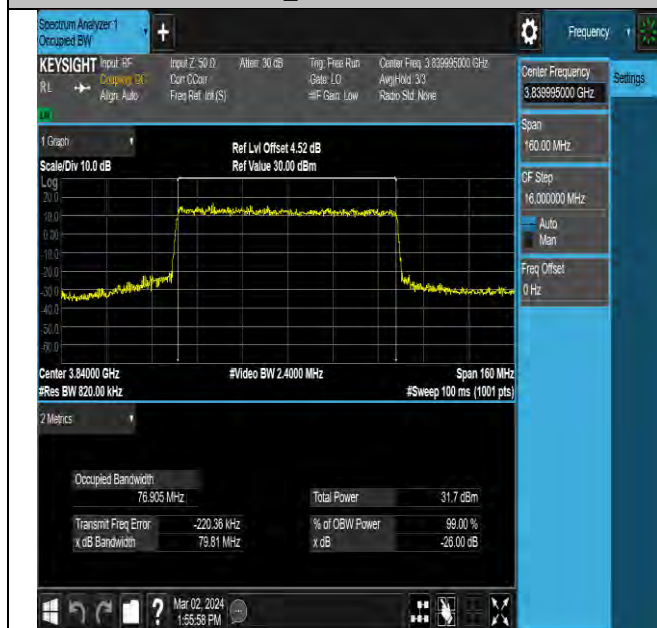
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Outer_Full-Ant11-PASS



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



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



NTNV-N77-3700-3980-PC2-30-80-M-DFT-64QAM-
Outer_Full-Ant11-PASS



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Reference No.: W7L-P23120020RF09



NTVN-N77-3700-3980-PC2-30-80-M-DFT-256QAM-
Outer_Full-Ant11-PASS



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



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

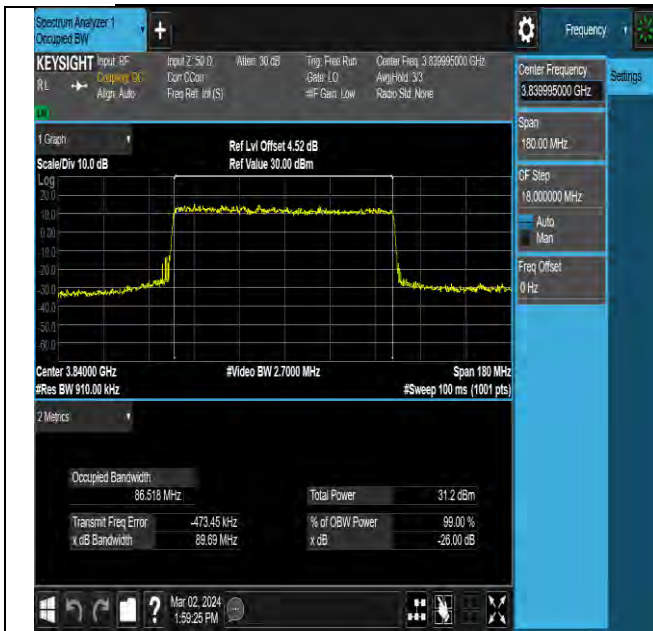


NTVN-N77-3700-3980-PC2-30-90-M-DFT-16QAM-
Outer_Full-Ant11-PASS



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Reference No.: W7L-P23120020RF09



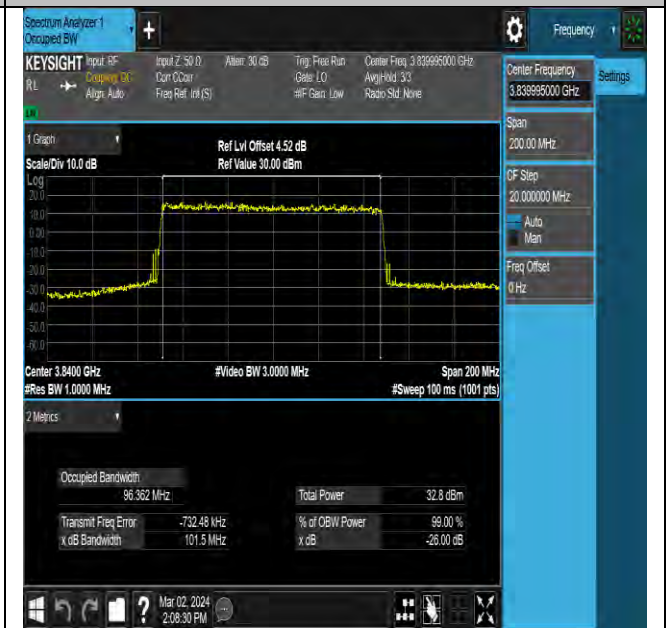
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Outer_Full-Ant11-PASS



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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Reference No.: W7L-P23120020RF09



NTNV-N77-3700-3980-PC2-30-100-M-DFT-16QAM-
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**

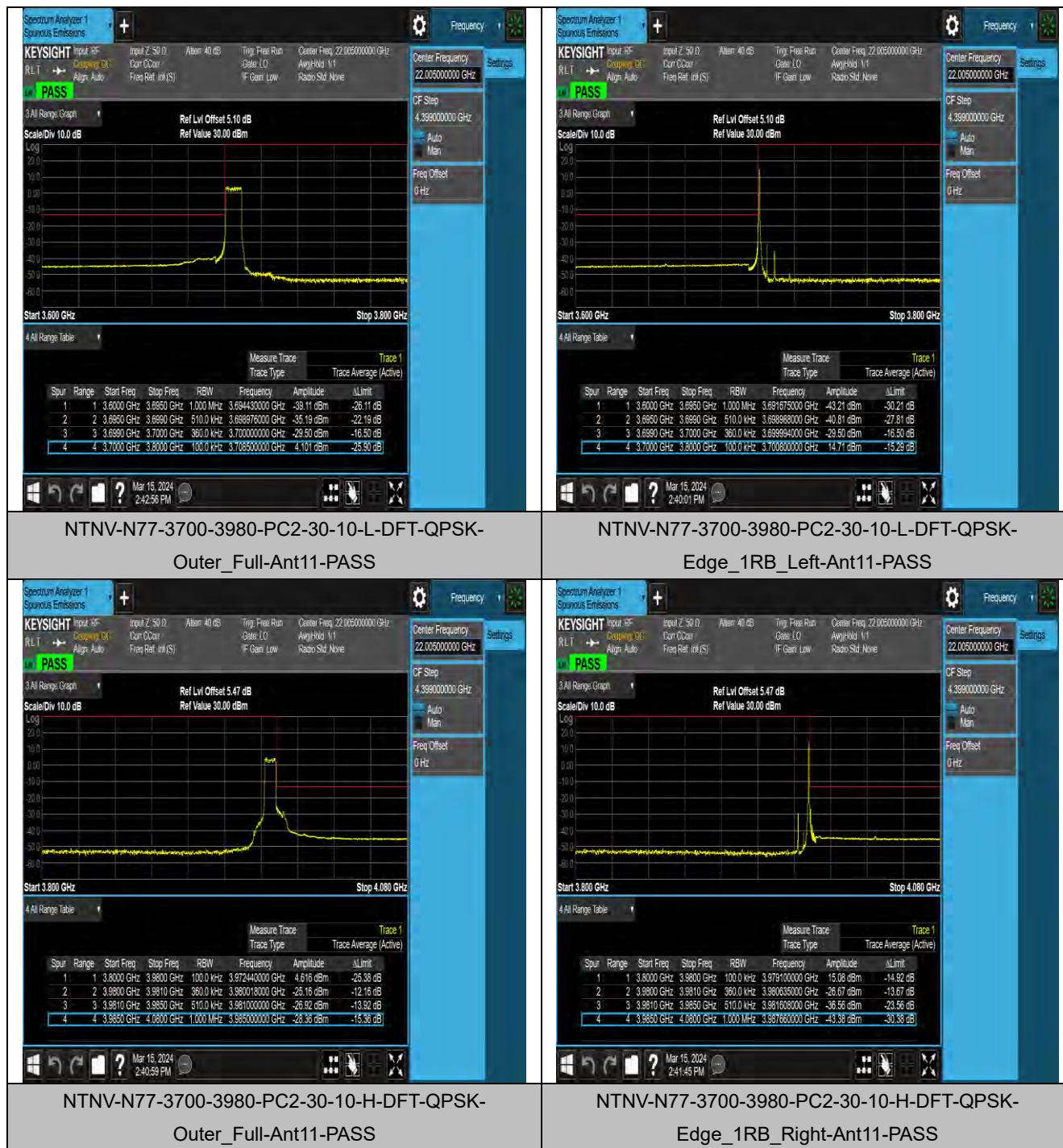
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	10	DFT-QPSK	L	Outer_Full	-29.50	PASS
N77-3700-3980	30	10	DFT-QPSK	L	Edge_1RB_Left	-29.50	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Outer_Full	-25.16	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Edge_1RB_Right	-26.67	PASS
N77-3700-3980	30	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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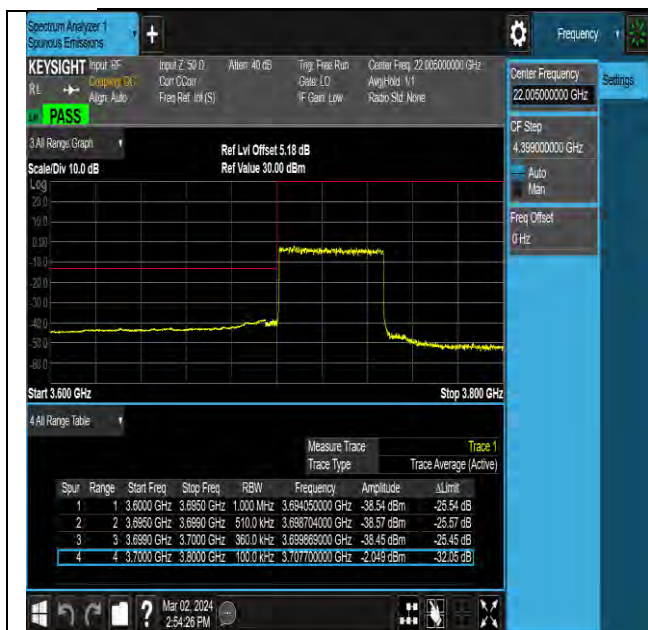
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

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Fax: +86 755 8869 6577
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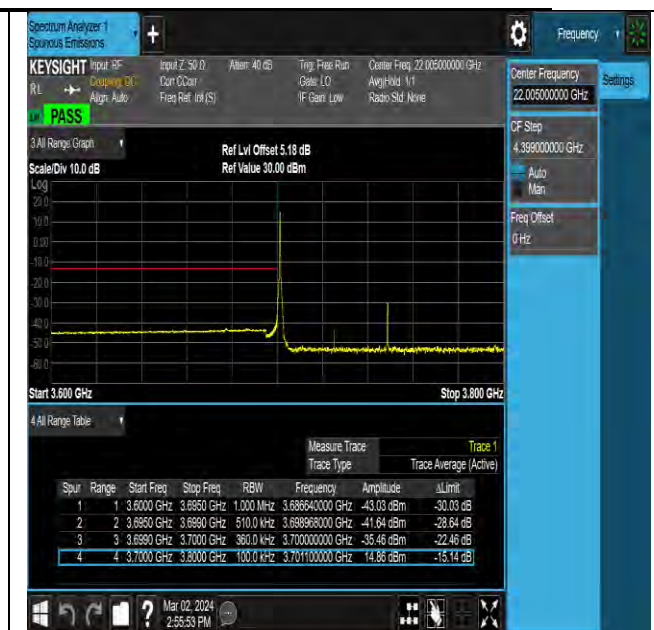


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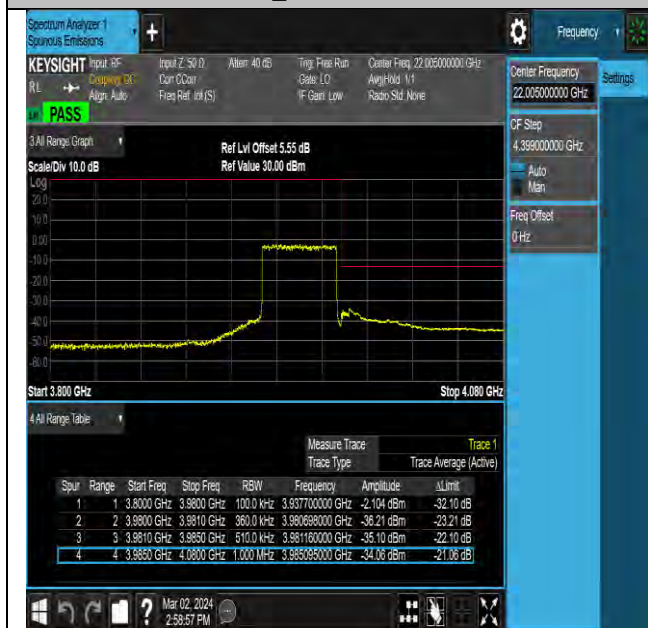
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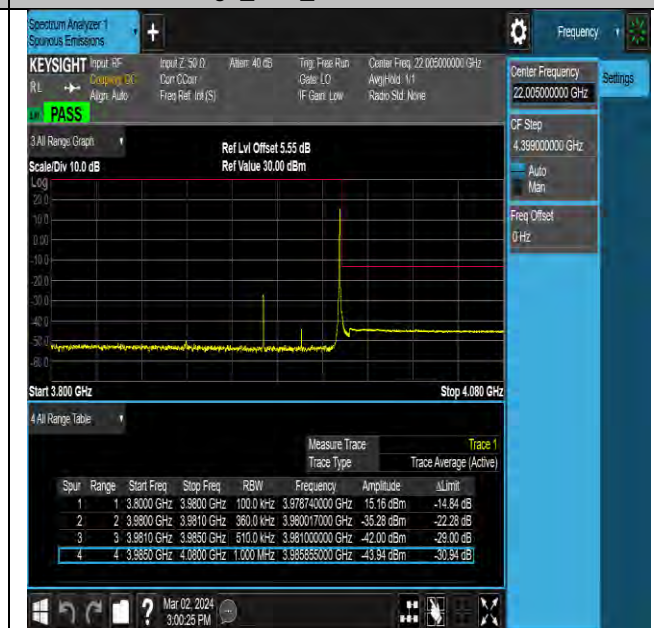
NTNV-N77-3700-3980-PC2-30-50-L-DFT-QPSK-
Outer_Full-Ant11-PASS



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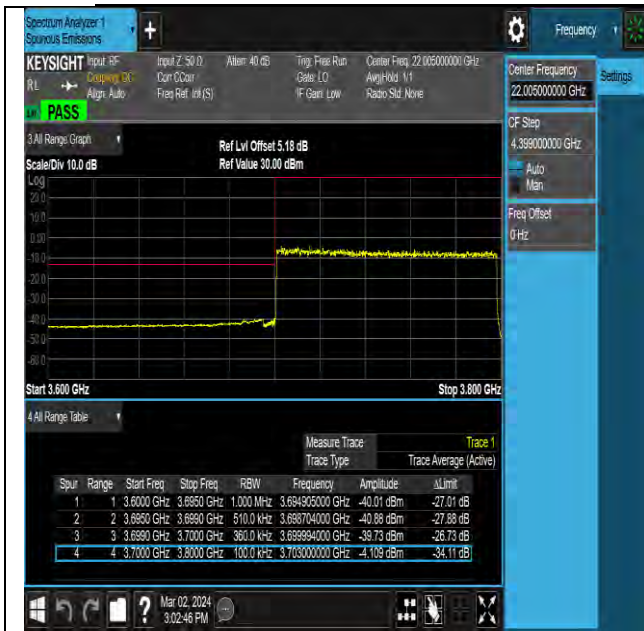
Room B37, Warehouse A5, No.3 Chiwan 4th Road,
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Guangdong, People's Republic of China

Tel: +86 755 8869 6566
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Email: customerservice.sw@bureauveritas.com

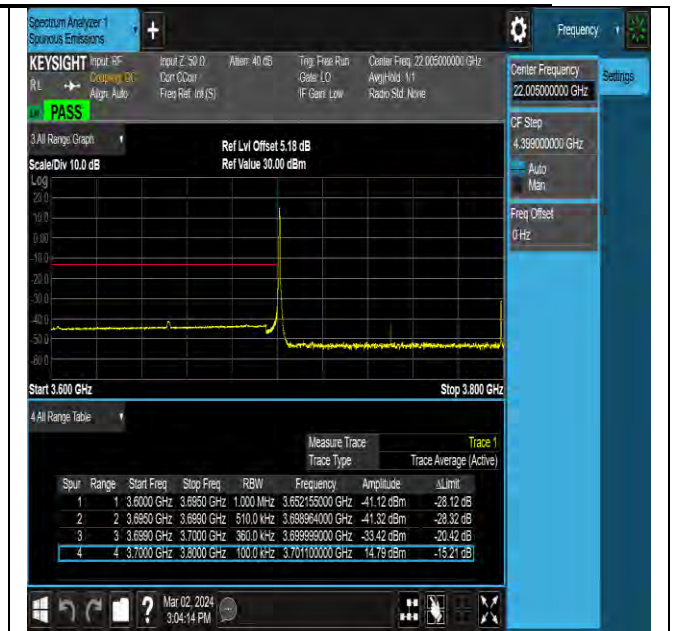


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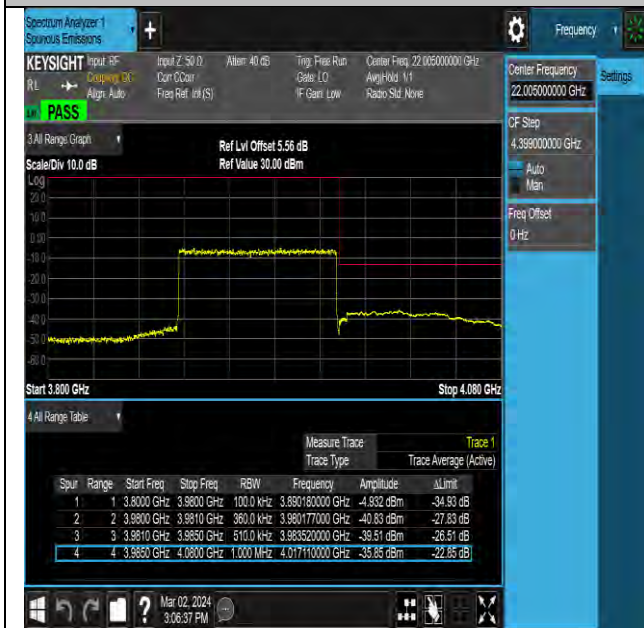
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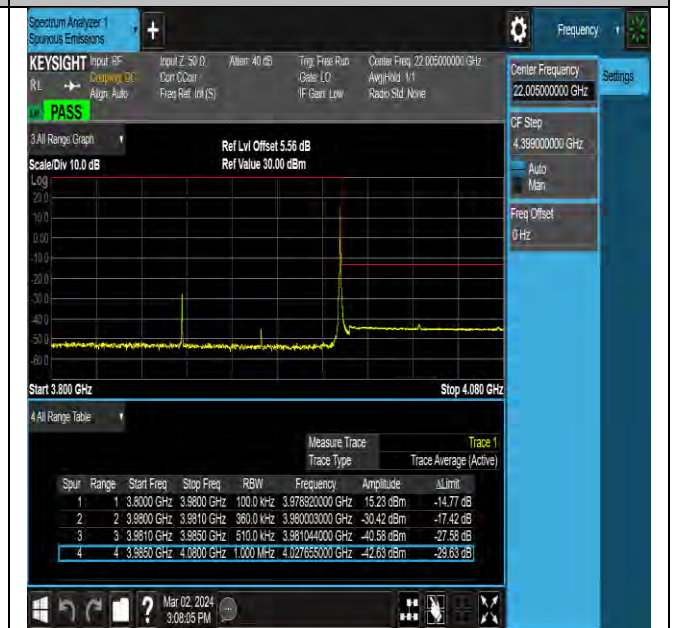
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Outer_Full-Ant11-PASS



NTNV-77-3700-3980-PC2-30-100-L-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



NTNV-77-3700-3980-PC2-30-100-H-DFT-QPSK-
Outer_Full-Ant11-PASS



NTNV-77-3700-3980-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

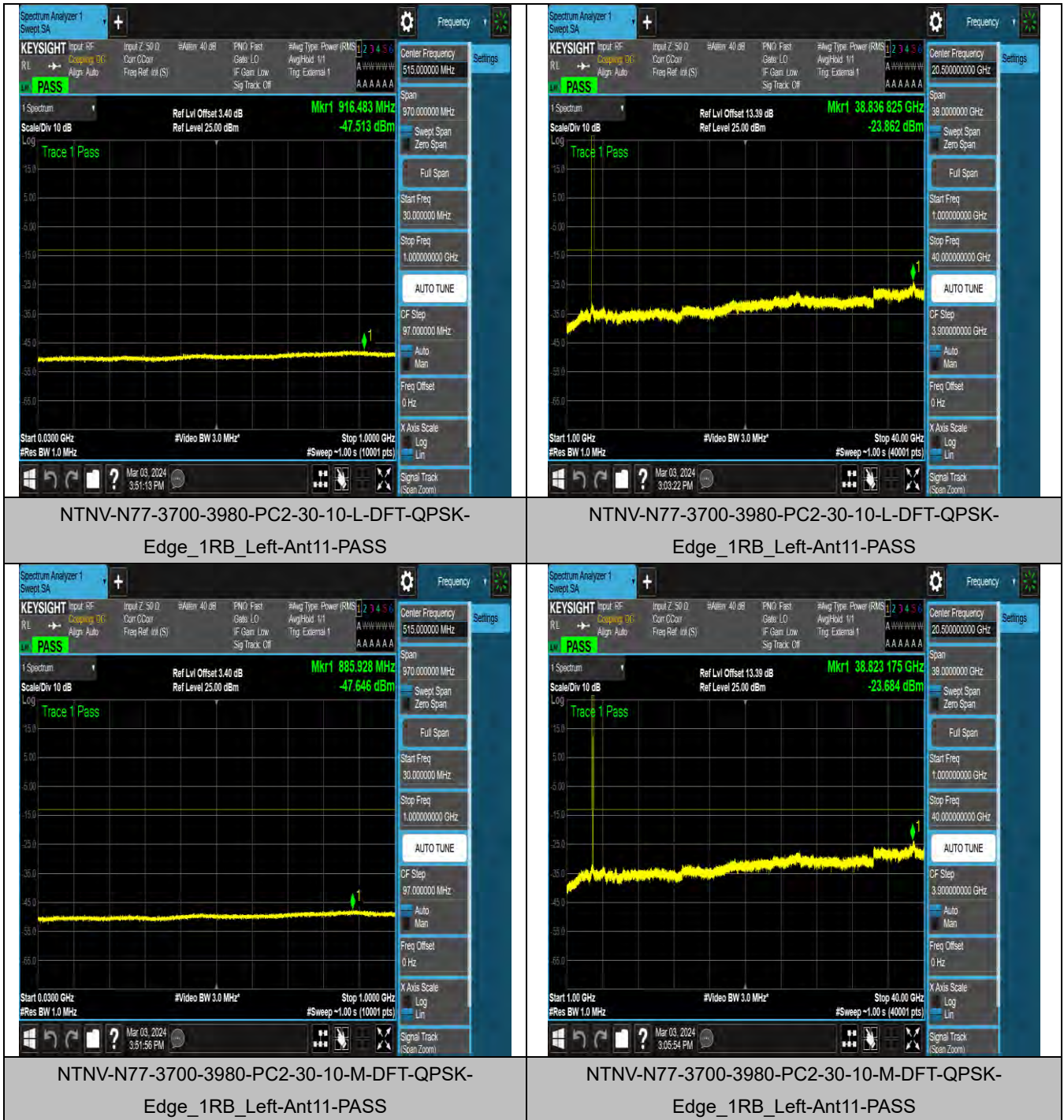
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-23.88	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-47.68	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-24.33	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Left	30	1000	-47.52	-13	PASS
N77-3700-3980	30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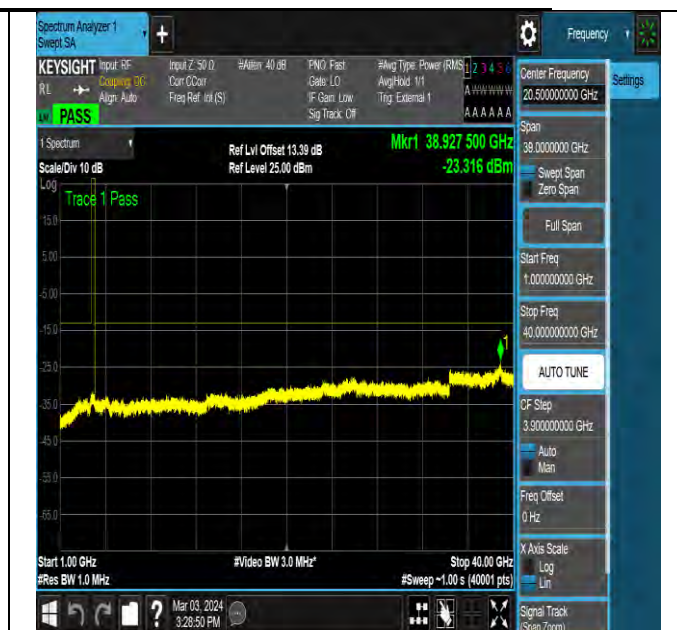


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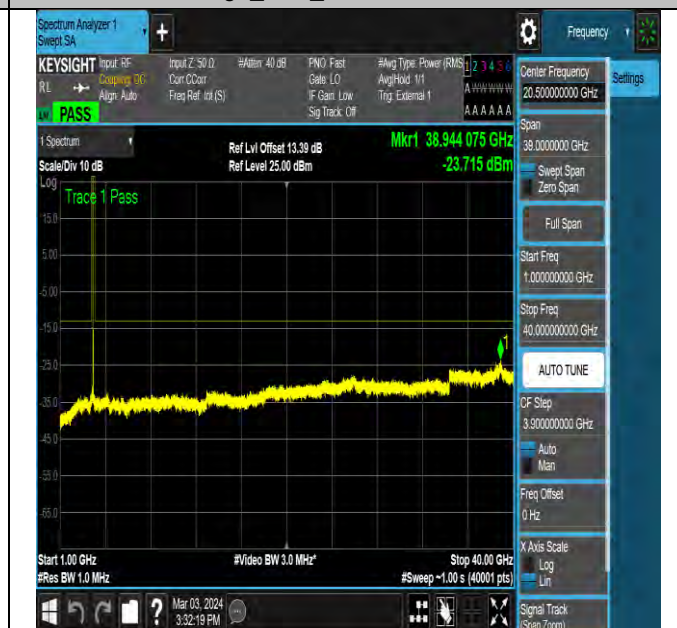
NTNV-N77-3700-3980-PC2-30-10-H-DFT-QPSK-
Edge_1RB_Left-Ant11-PASS



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

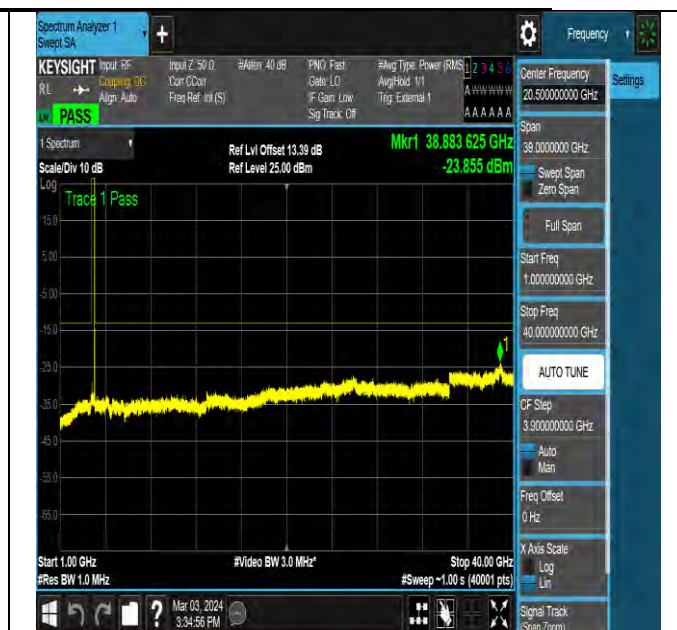


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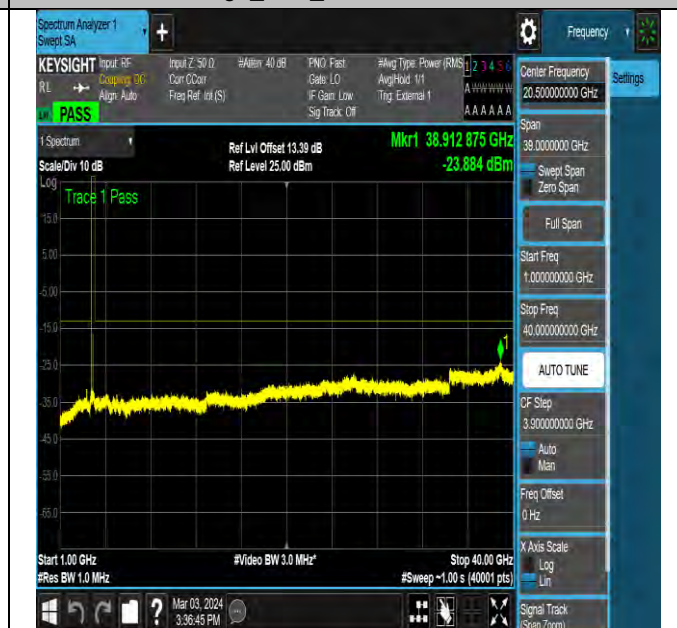
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Edge_1RB_Left-Ant11-PASS



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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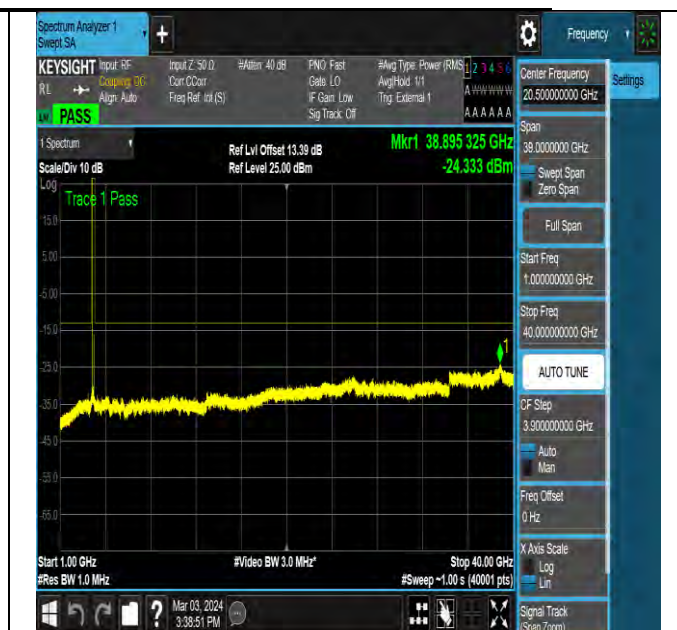


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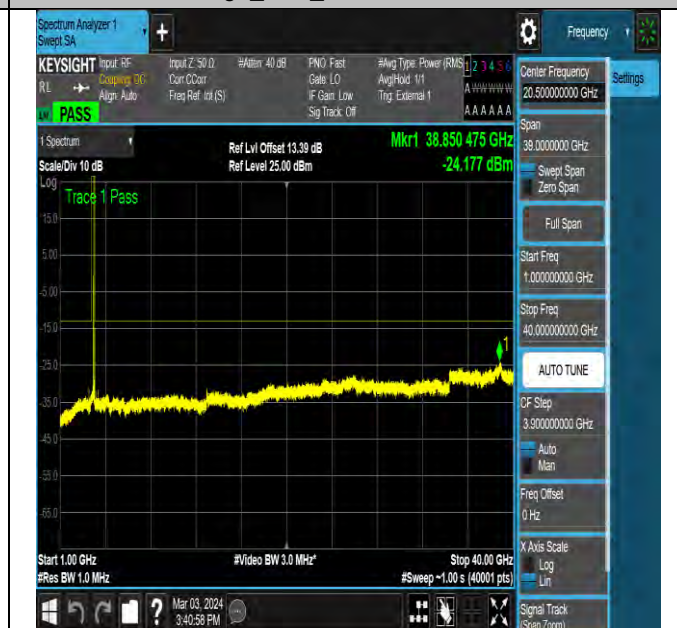
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Edge_1RB_Left-Ant11-PASS



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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VERITAS**

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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VERITAS**

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



Reference No.: W7L-P23120020RF09

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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