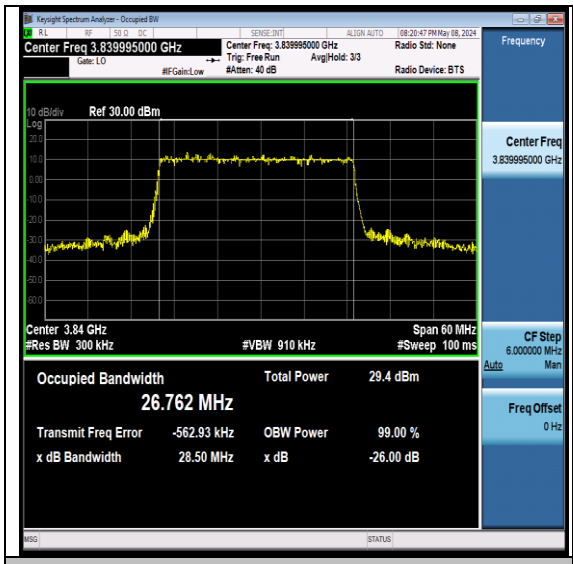
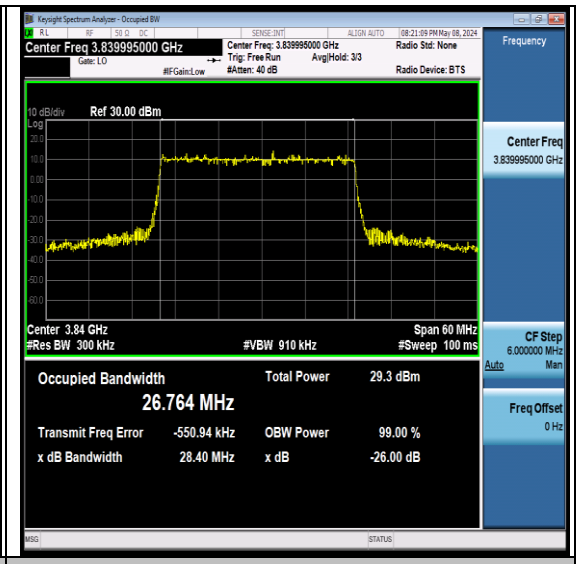
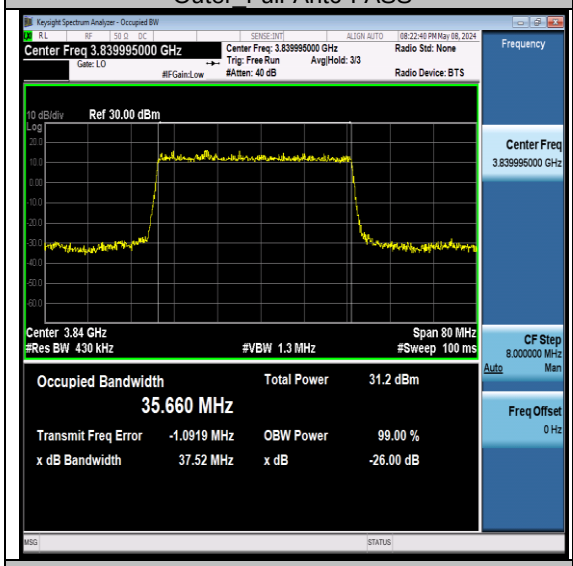


NTNV-N77-3700-3980-PC2-30-30-M-DFT-64QAM-Outer_Full-Ant6-PASS



NTNV-N77-3700-3980-PC2-30-30-M-DFT-256QAM-Outer_Full-Ant6-PASS



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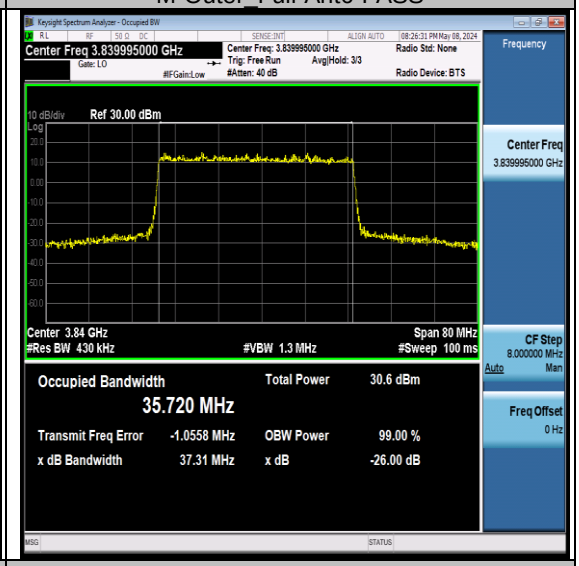

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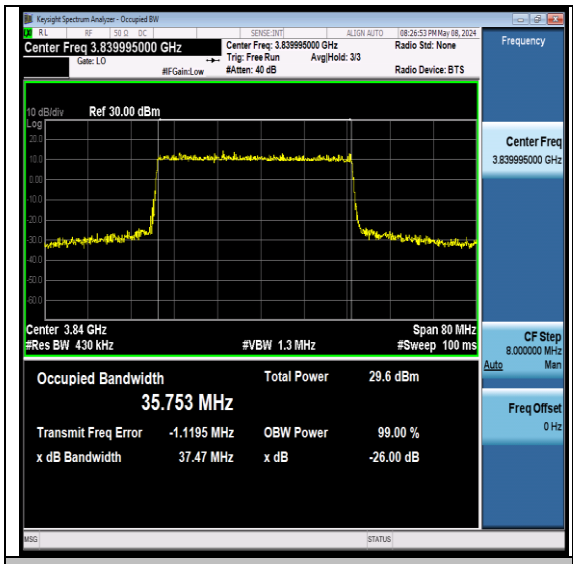

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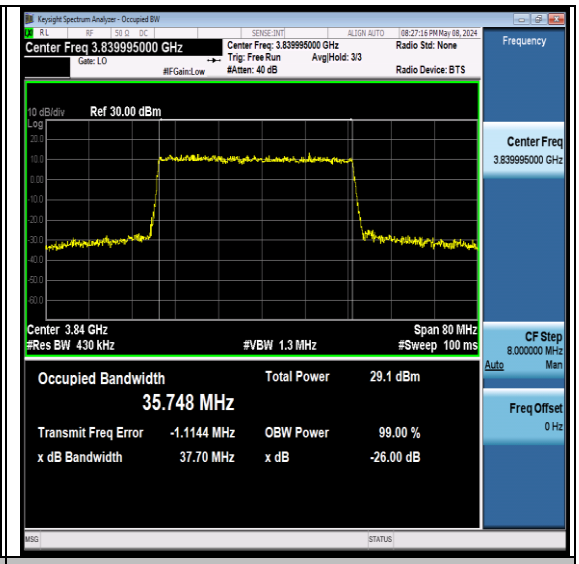
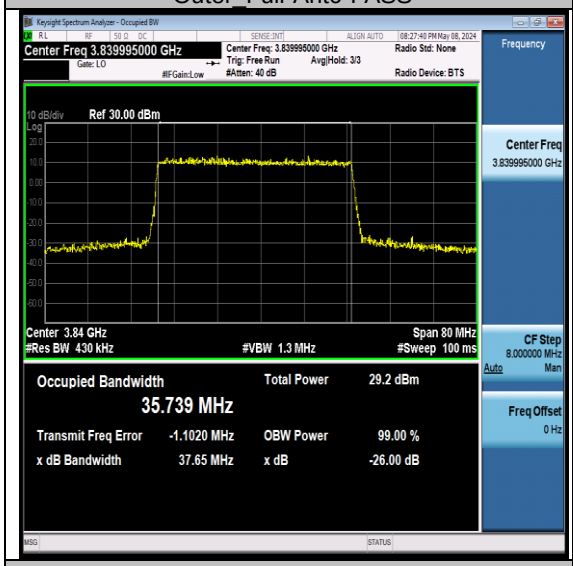


NTNV-N77-3700-3980-PC2-30-40-M-DFT-64QAM-Outer_Full-Ant6-PASS



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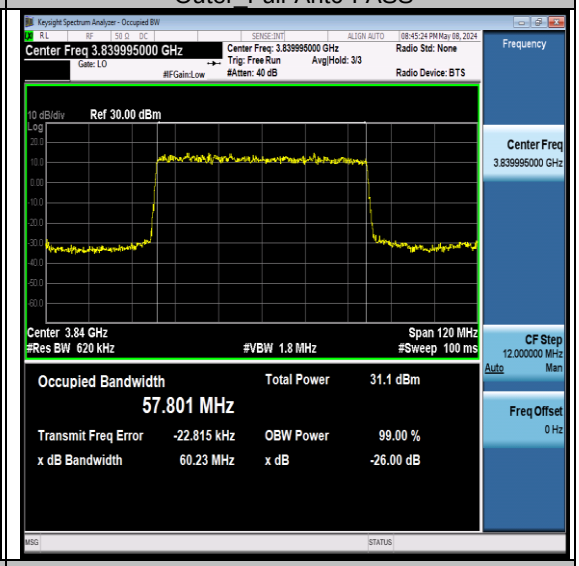

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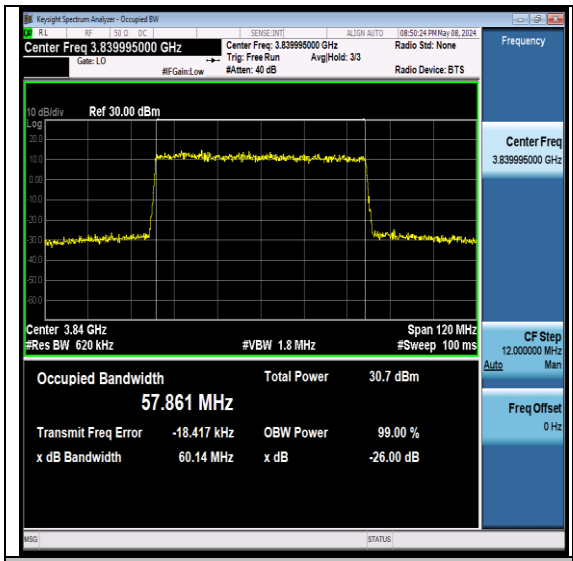

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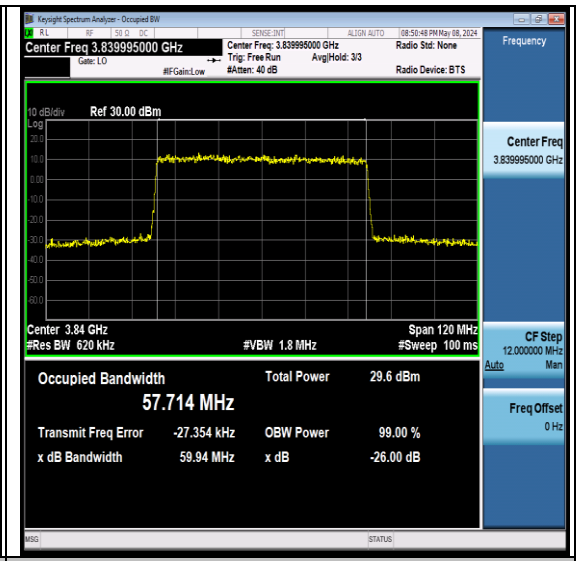

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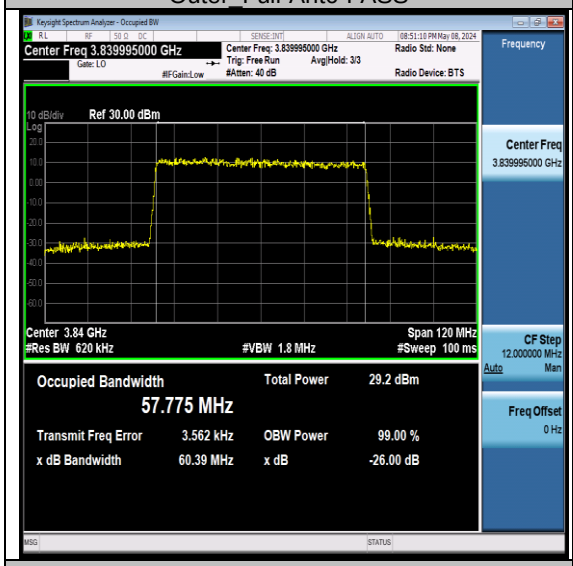

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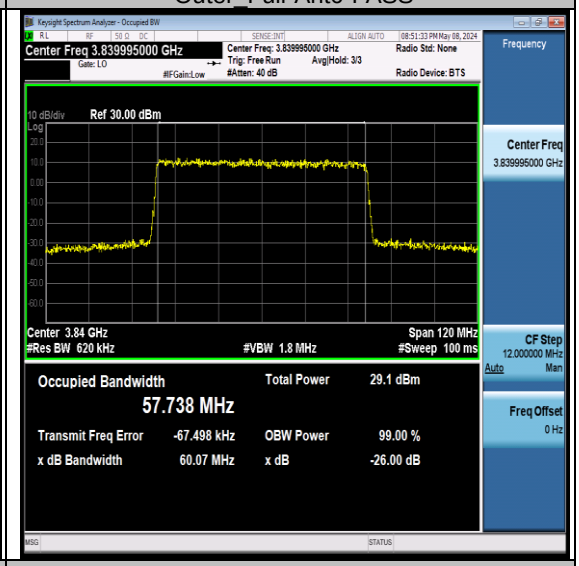
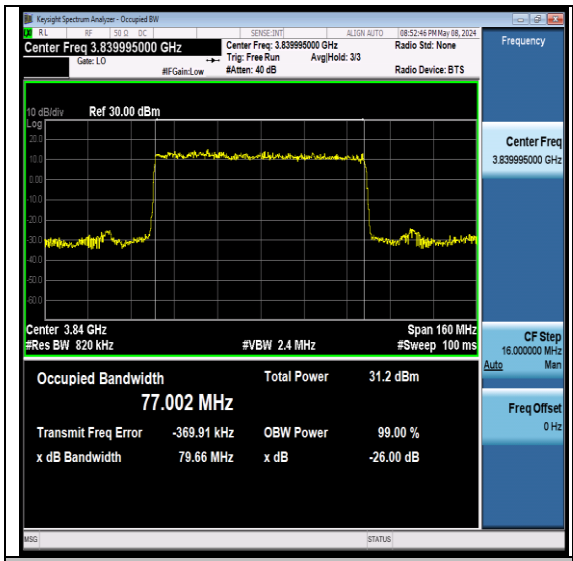
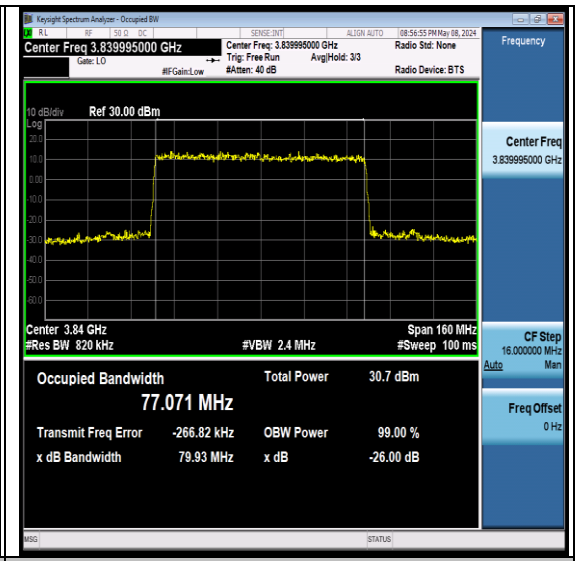


NTNV-N77-3700-3980-PC2-30-60-M-DFT-256QAM-Outer_Full-Ant6-PASS



NTNV-N77-3700-3980-PC2-30-80-M-DFT-PI2BPSK-Outer_Full-Ant6-PASS



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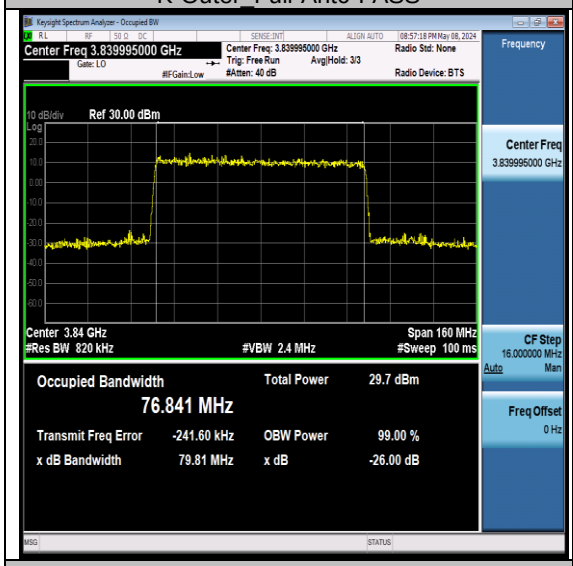

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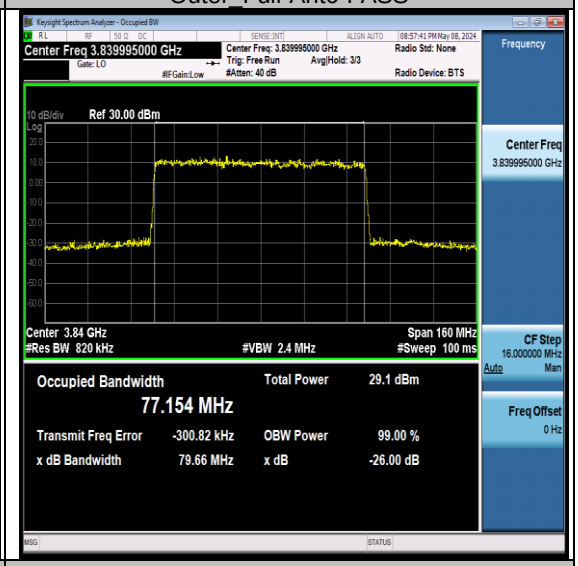

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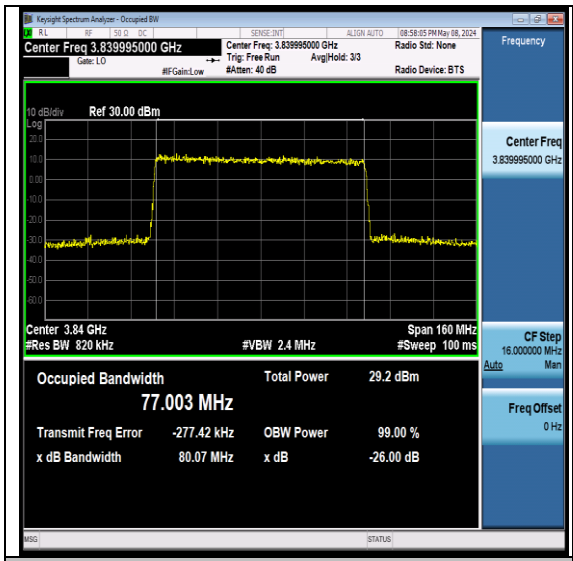
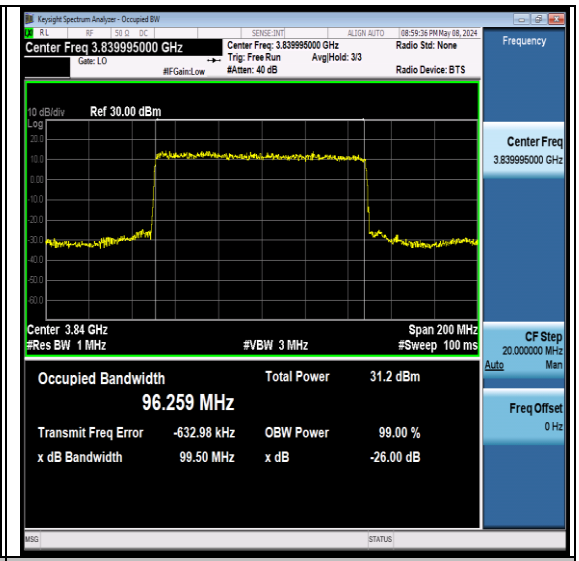


NTNV-N77-3700-3980-PC2-30-80-M-DFT-256QAM-Outer_Full-Ant6-PASS



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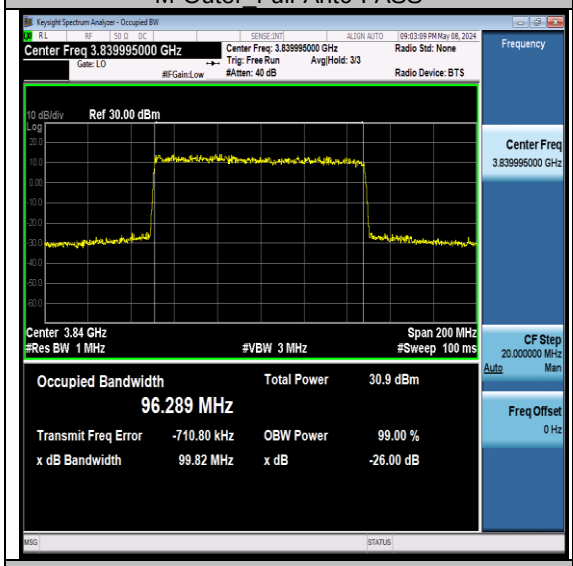

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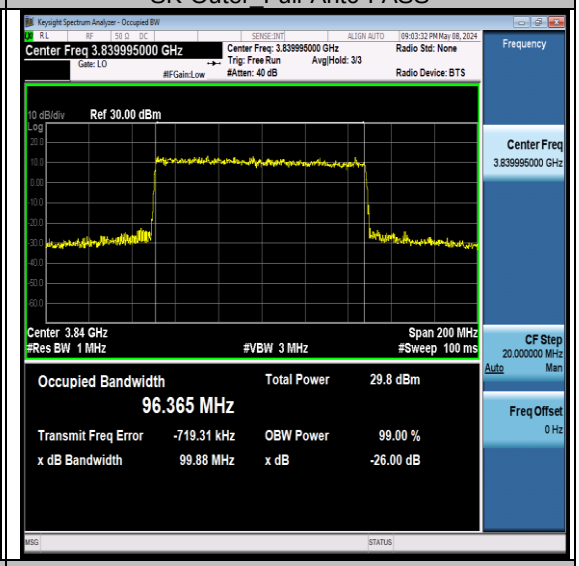
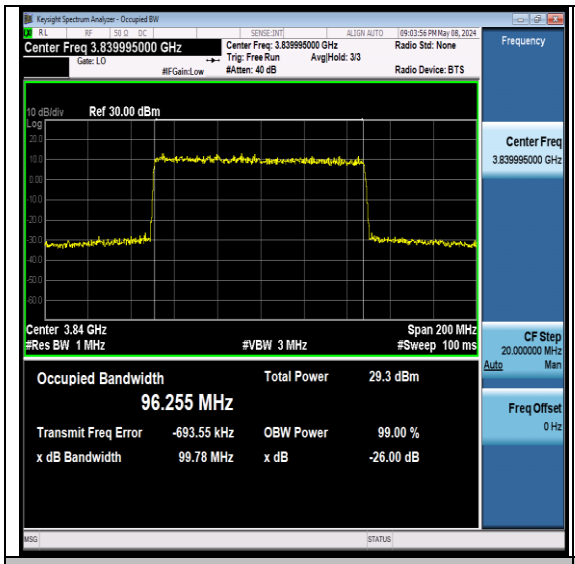
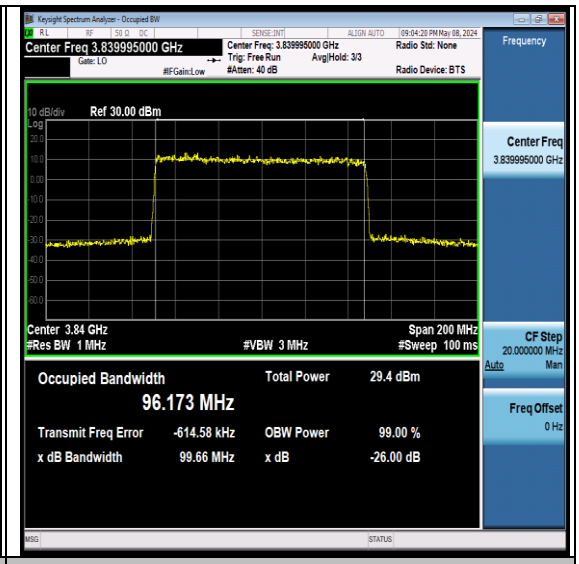


NTNV-N77-3700-3980-PC2-30-100-M-DFT-16QAM-Outer_Full-Ant6-PASS



NTNV-N77-3700-3980-PC2-30-100-M-DFT-64QAM-Outer_Full-Ant6-PASS

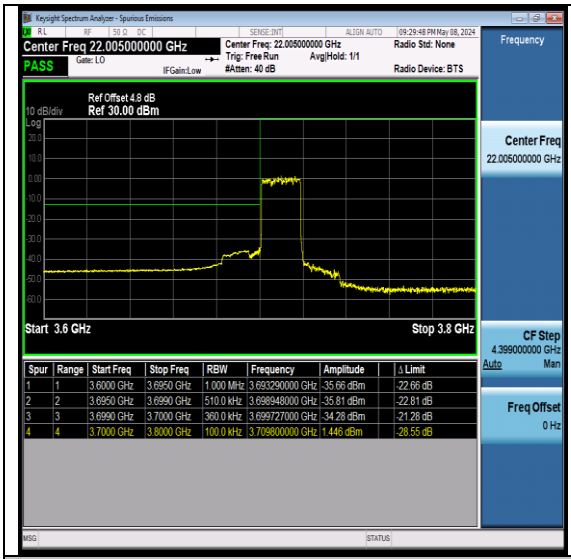


NTNV-N77-3700-3980-PC2-30-100-M-DFT-256QAM-Outer_Full-Ant6-PASS

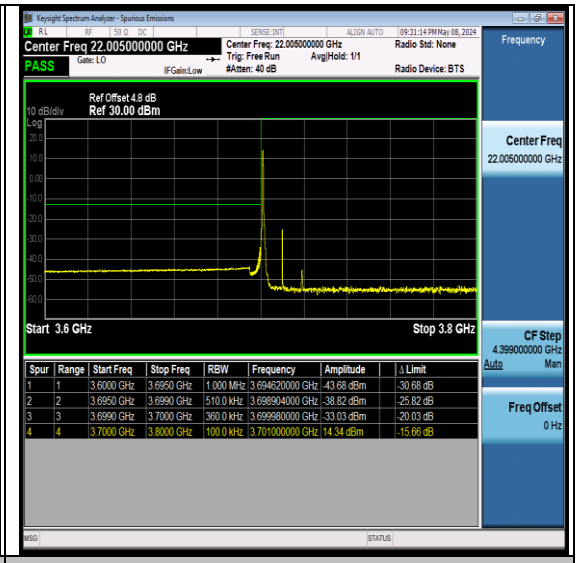
BAND EDGE FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	-34.28	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	-33.03	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	-34.13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Right	-35.24	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	-37.75	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	-35.32	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	-36.47	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Right	-36.35	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Outer_Full	-38.16	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	-35.58	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Outer_Full	-36.66	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Right	-35.69	PASS

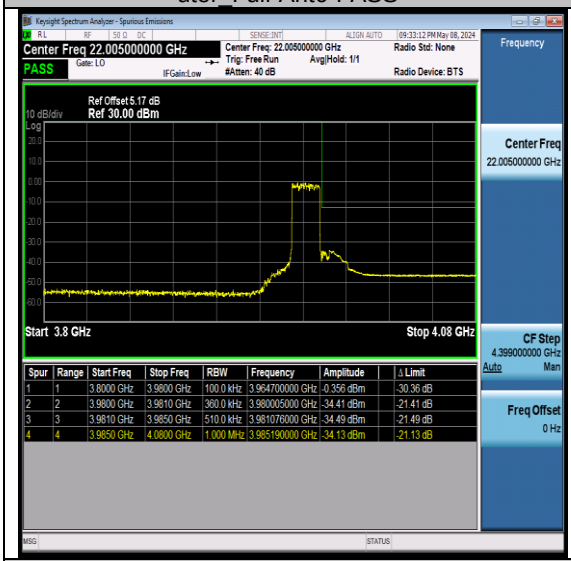
TEST GRAPHS



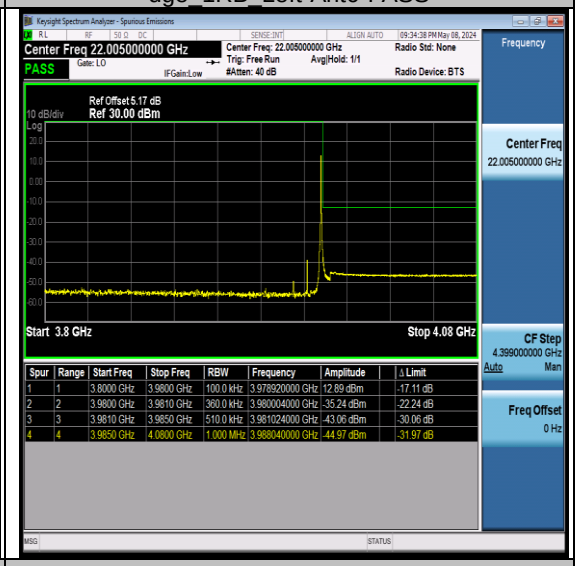
NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Outer_Full-Ant6-PASS



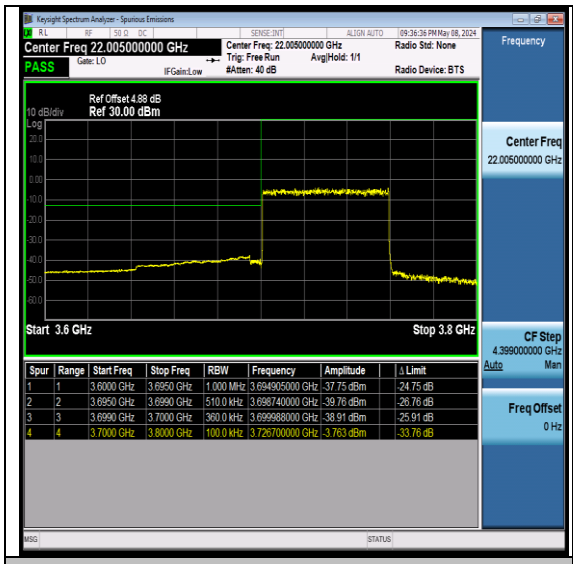
NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS



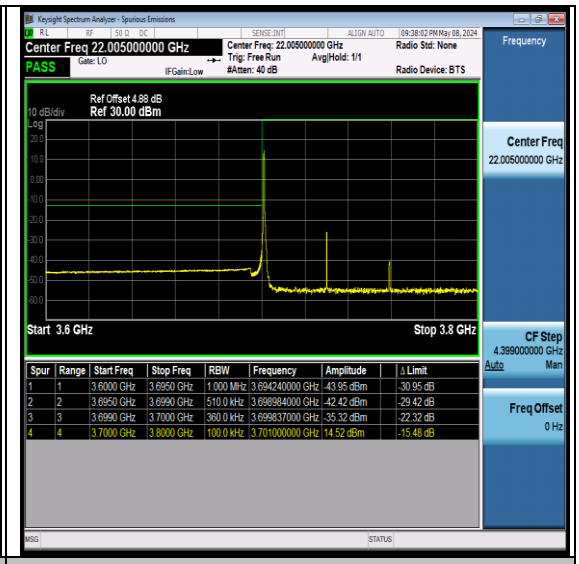
NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Outer_Full-Ant6-PASS



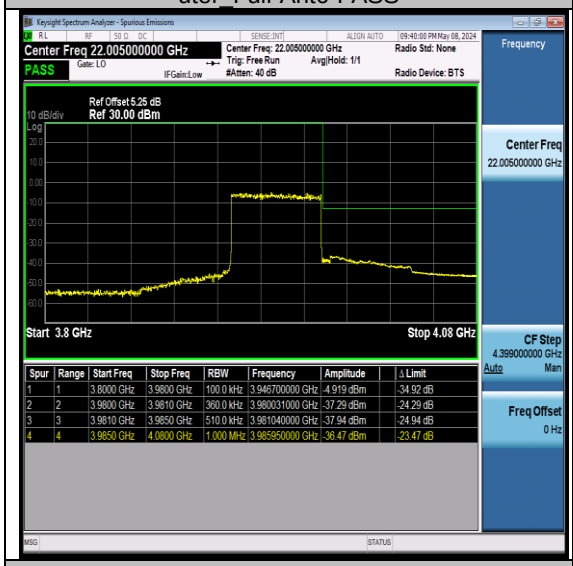
NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB_Right-Ant6-PASS



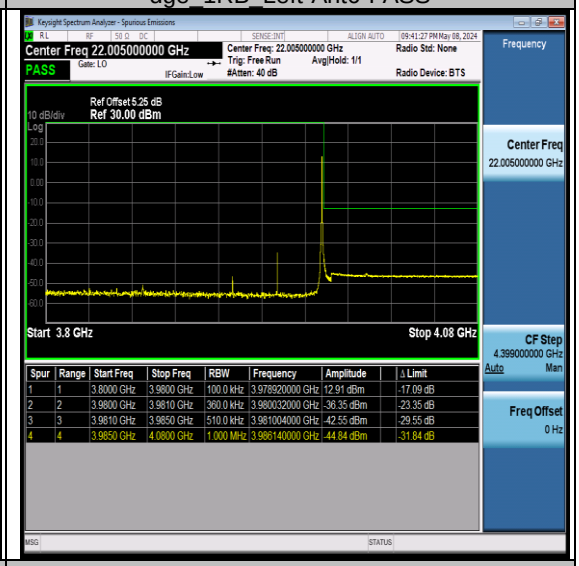
NTNV-N77-3700-3980-PC2-30-60-L-DFT-QPSK-Outer_Full-Ant6-PASS



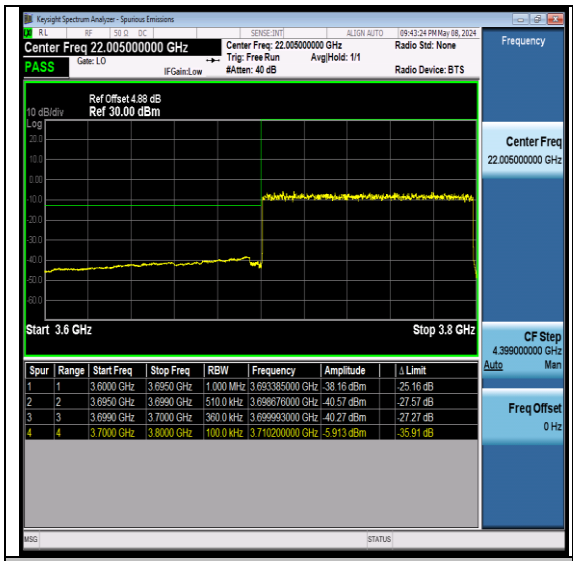
NTNV-N77-3700-3980-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS



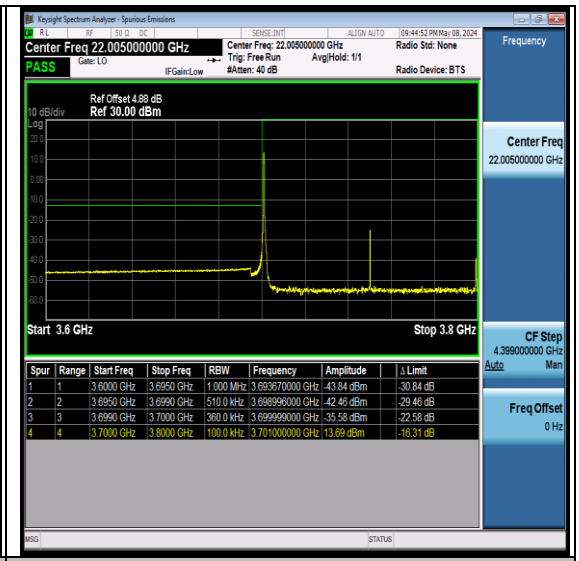
NTNV-N77-3700-3980-PC2-30-60-H-DFT-QPSK-Outer_Full-Ant6-PASS



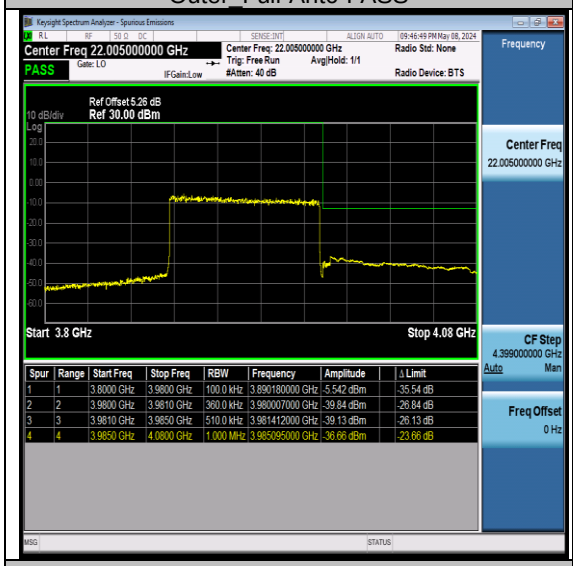
NTNV-N77-3700-3980-PC2-30-60-H-DFT-QPSK-Edge_1RB_Right-Ant6-PASS



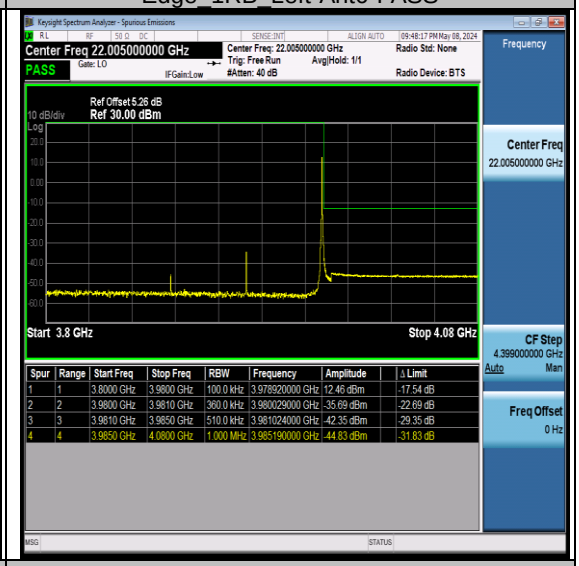
NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-Outer_Full-Ant6-PASS



NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Outer_Full-Ant6-PASS



NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-Ant6-PASS

CONDUCTED SPURIOUS EMISSION FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.10	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-25.24	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-47.94	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-25.15	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-47.97	-13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-25.38	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.03	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-25.33	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.07	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-25.36	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.09	-13	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-25.01	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.03	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	1000	40000	-25.58	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.20	-13	PASS

N77-3700-3980	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	40000	-25.34	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.07	-13	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Left	1000	40000	-25.51	-13	PASS

TEST GRAPHS

NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-60-M-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-60-M-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-60-H-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-60-H-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-100-L-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-100-M-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

NTNV-N77-3700-3980-PC2-30-100-H-DFT-QPSK-Edge_1RB_Left-Ant6-PASS

FREQUENCY STABILITY FOR SA
TEST RESULT

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	4.000000	0.001078	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VN	NT	6.000000	0.001617	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	VH	NT	1.000000	0.000270	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-30	18.000000	0.004852	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-20	5.000000	0.001348	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	-10	5.000000	0.001348	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	0	10.000000	0.002695	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	10	12.000000	0.003234	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	20	14.000000	0.003774	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	30	15.000000	0.004042	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	40	18.000000	0.004852	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	NV	50	10.000000	0.002695	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VL	NT	7.000000	0.001823	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VN	NT	6.000000	0.001563	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	VH	NT	13.000000	0.003385	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	-30	8.000000	0.002083	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	-10	8.000000	0.002083	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	0	4.000000	0.001042	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	10	2.000000	0.000521	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	20	16.000000	0.004167	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	NV	30	18.000000	0.004688	PASS

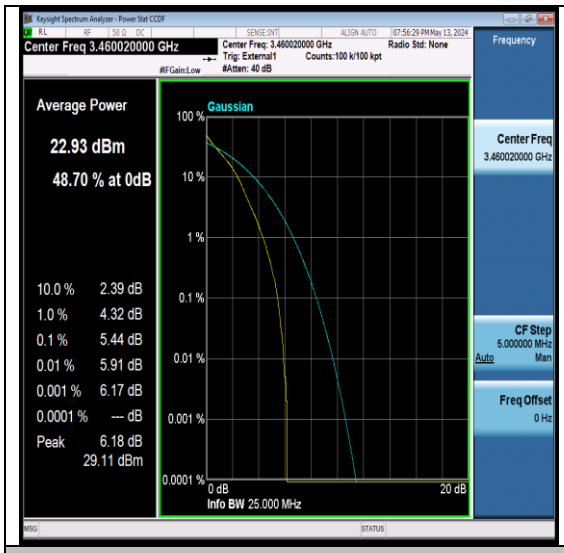
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	40	8.000000	0.002083	PASS
N77-370 0-3980	30	20	DFT-QPSK	M	Outer_Full	NV	50	16.000000	0.004167	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	VL	NT	12.000000	0.003023	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	VN	NT	5.000000	0.001259	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	VH	NT	19.000000	0.004786	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-30	2.000000	0.000504	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-20	9.000000	0.002267	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	-10	15.000000	0.003778	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	0	10.000000	0.002519	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	10	5.000000	0.001259	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	20	3.000000	0.000756	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	30	11.000000	0.002771	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	40	6.000000	0.001511	PASS
N77-370 0-3980	30	20	DFT-QPSK	H	Outer_Full	NV	50	11.000000	0.002771	PASS

N78-3450-3550((INCLUDING N77)

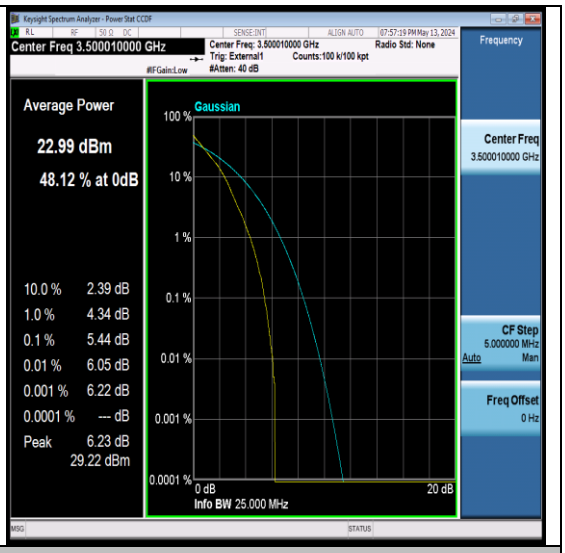
PEAK-TO-AVERAGE RATIO(CCDF)
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N78-3450-3550	30	20	DFT-QPSK	L	Outer_Full	5.44	≤13	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Outer_Full	5.44	≤13	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Outer_Full	5.30	≤13	PASS
N78-3450-3550	30	20	DFT-QPSK	L	Edge_1RB_Left	5.64	≤13	PASS
N78-3450-3550	30	20	DFT-QPSK	M	Edge_1RB_Left	5.30	≤13	PASS
N78-3450-3550	30	20	DFT-QPSK	H	Edge_1RB_Left	4.96	≤13	PASS

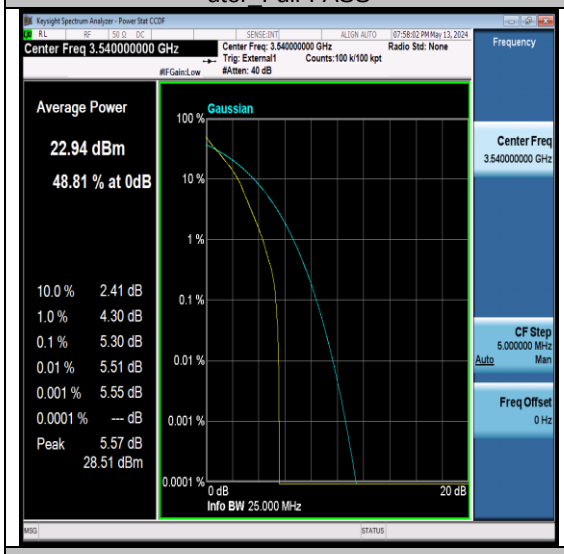
TEST GRAPHS



NTNV-N78-3450-3550-PC2-30-20-L-DFT-QPSK-Outer_Full-PASS



NTNV-N78-3450-3550-PC2-30-20-M-DFT-QPSK-Outer_Full-PASS



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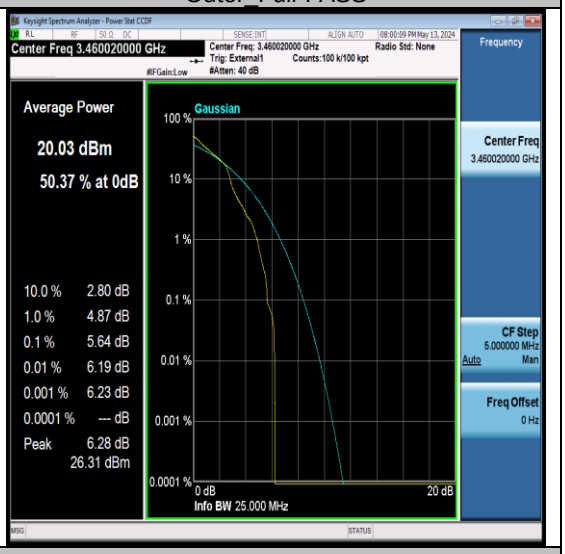
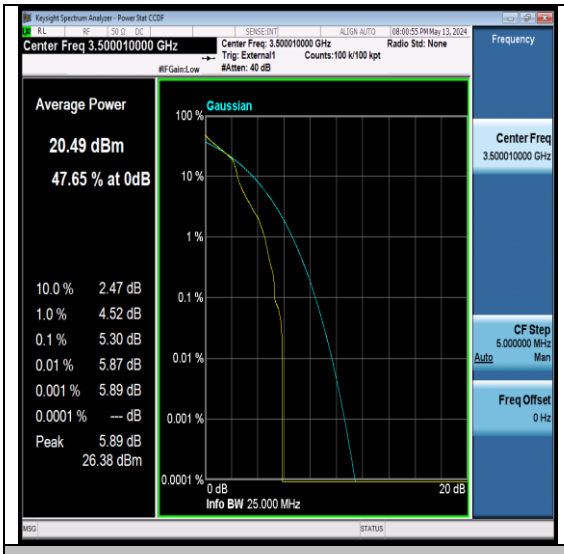
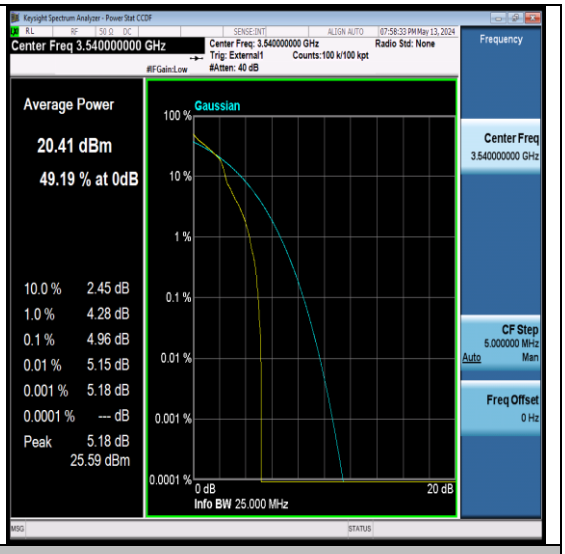


NTNV-N78-3450-3550-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N78-3450-3550-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N78-3450-3550-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
N78-3450 -3550	30	20	DFT-PI2BPSK	M	Outer_Full	17.786	19.00	PASS
N78-3450 -3550	30	20	DFT-QPSK	M	Outer_Full	17.779	19.23	PASS
N78-3450 -3550	30	20	DFT-16QAM	M	Outer_Full	17.856	19.20	PASS
N78-3450 -3550	30	20	DFT-64QAM	M	Outer_Full	17.795	19.16	PASS
N78-3450 -3550	30	20	DFT-256QAM	M	Outer_Full	17.810	19.13	PASS
N78-3450 -3550	30	30	DFT-PI2BPSK	M	Outer_Full	26.768	28.38	PASS
N78-3450 -3550	30	30	DFT-16QAM	M	Outer_Full	26.772	28.51	PASS
N78-3450 -3550	30	30	DFT-64QAM	M	Outer_Full	26.771	28.53	PASS
N78-3450 -3550	30	30	DFT-256QAM	M	Outer_Full	26.777	28.38	PASS
N78-3450 -3550	30	40	DFT-PI2BPSK	M	Outer_Full	35.693	37.49	PASS
N78-3450 -3550	30	30	DFT-QPSK	M	Outer_Full	26.741	28.41	PASS
N78-3450 -3550	30	40	DFT-QPSK	M	Outer_Full	35.712	37.25	PASS
N78-3450 -3550	30	40	DFT-16QAM	M	Outer_Full	35.794	37.50	PASS
N78-3450 -3550	30	40	DFT-64QAM	M	Outer_Full	35.777	37.52	PASS
N78-3450 -3550	30	40	DFT-256QAM	M	Outer_Full	35.749	37.63	PASS
N78-3450 -3550	30	50	DFT-PI2BPSK	M	Outer_Full	45.708	47.89	PASS
N78-3450 -3550	30	50	DFT-QPSK	M	Outer_Full	45.667	47.60	PASS
N78-3450 -3550	30	50	DFT-16QAM	M	Outer_Full	45.692	47.63	PASS
N78-3450 -3550	30	50	DFT-64QAM	M	Outer_Full	45.673	47.86	PASS
N78-3450 -3550	30	50	DFT-256QAM	M	Outer_Full	45.688	47.65	PASS
N78-3450 -3550	30	60	DFT-PI2BPSK	M	Outer_Full	57.833	60.07	PASS
N78-3450 -3550	30	60	DFT-QPSK	M	Outer_Full	57.862	60.16	PASS
N78-3450	30	60	DFT-16QAM	M	Outer_Full	57.705	60.07	PASS

-3550								
N78-3450 -3550	30	60	DFT-64QAM	M	Outer_Full	57.762	60.28	PASS
N78-3450 -3550	30	60	DFT-256QAM	M	Outer_Full	57.751	60.05	PASS
N78-3450 -3550	30	70	DFT-PI2BPSK	M	Outer_Full	64.280	66.69	PASS
N78-3450 -3550	30	70	DFT-QPSK	M	Outer_Full	64.277	66.91	PASS
N78-3450 -3550	30	70	DFT-16QAM	M	Outer_Full	64.230	66.83	PASS
N78-3450 -3550	30	70	DFT-64QAM	M	Outer_Full	64.177	66.98	PASS
N78-3450 -3550	30	70	DFT-256QAM	M	Outer_Full	64.158	66.87	PASS
N78-3450 -3550	30	80	DFT-PI2BPSK	M	Outer_Full	77.084	79.87	PASS
N78-3450 -3550	30	80	DFT-QPSK	M	Outer_Full	77.104	79.91	PASS
N78-3450 -3550	30	80	DFT-16QAM	M	Outer_Full	76.890	79.89	PASS
N78-3450 -3550	30	80	DFT-64QAM	M	Outer_Full	77.155	79.76	PASS
N78-3450 -3550	30	80	DFT-256QAM	M	Outer_Full	77.060	79.91	PASS
N78-3450 -3550	30	90	DFT-PI2BPSK	M	Outer_Full	86.768	89.67	PASS
N78-3450 -3550	30	90	DFT-QPSK	M	Outer_Full	86.730	89.66	PASS
N78-3450 -3550	30	90	DFT-16QAM	M	Outer_Full	86.898	89.74	PASS
N78-3450 -3550	30	90	DFT-64QAM	M	Outer_Full	86.503	89.59	PASS
N78-3450 -3550	30	90	DFT-256QAM	M	Outer_Full	86.565	89.58	PASS
N78-3450 -3550	30	100	DFT-PI2BPSK	M	Outer_Full	96.272	99.66	PASS
N78-3450 -3550	30	100	DFT-QPSK	M	Outer_Full	96.367	99.83	PASS
N78-3450 -3550	30	100	DFT-16QAM	M	Outer_Full	96.399	99.86	PASS
N78-3450 -3550	30	100	DFT-64QAM	M	Outer_Full	96.321	99.81	PASS
N78-3450 -3550	30	100	DFT-256QAM	M	Outer_Full	96.290	99.70	PASS