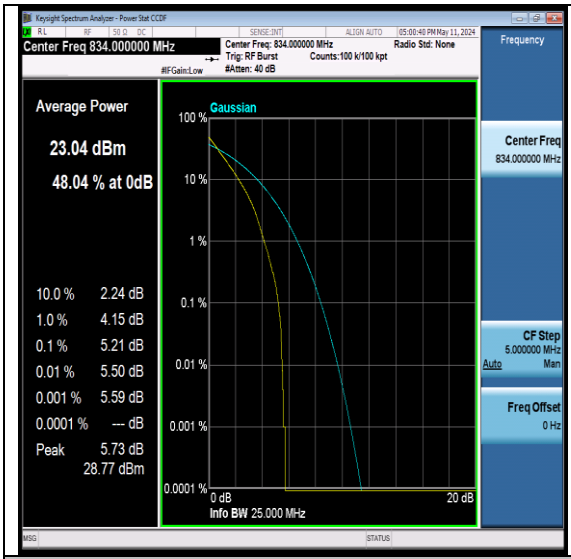
APPENDIX L

N5

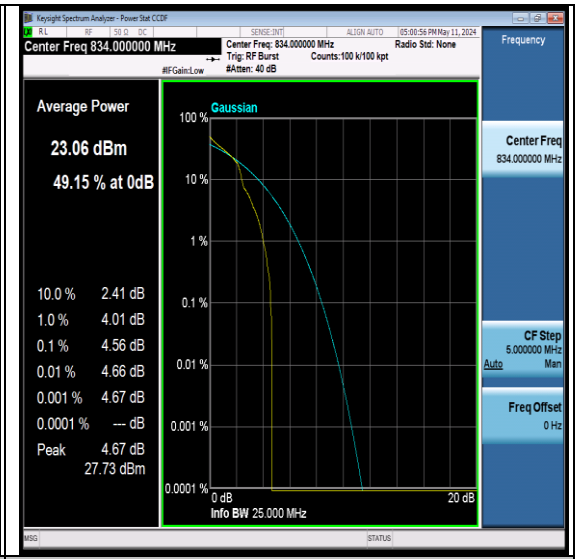
PEAK-TO-AVERAGE RATIO(CCDF)
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	20	DFT-QPSK	L	Outer_Full	5.21	≤13	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	4.56	≤13	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	5.21	≤13	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Left	4.70	≤13	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	5.28	≤13	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Left	4.75	≤13	PASS

TEST GRAPHS

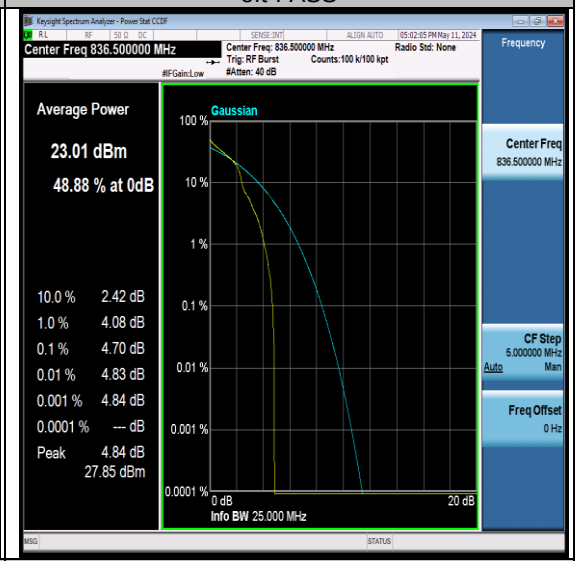


NTNV-N5-PC3-15-20-L-DFT-QPSK-Outer_Full-PASS

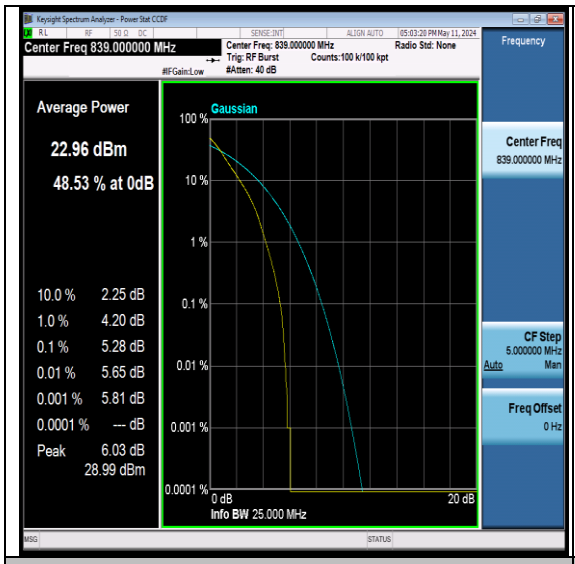


NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-PASS

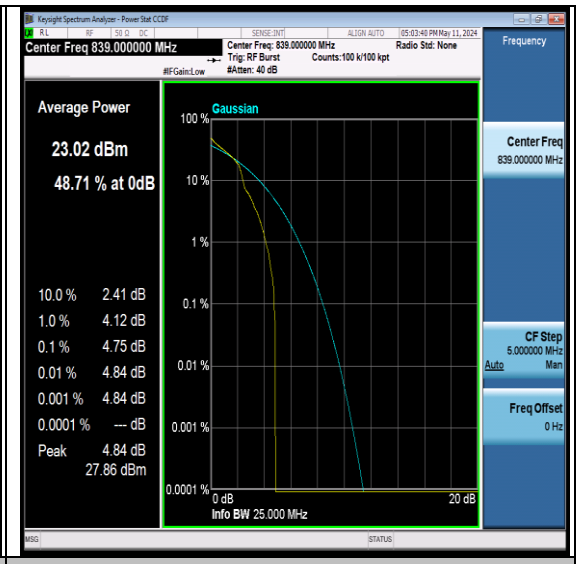
NTNV-N5-PC3-15-20-M-DFT-QPSK-Outer_Full-PASS



NTNV-N5-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N5-PC3-15-20-H-DFT-QPSK-Outer_Full-PASS

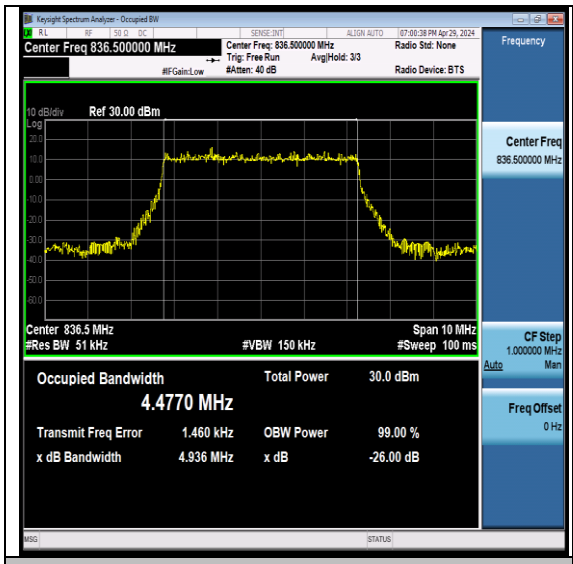


NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-PASS

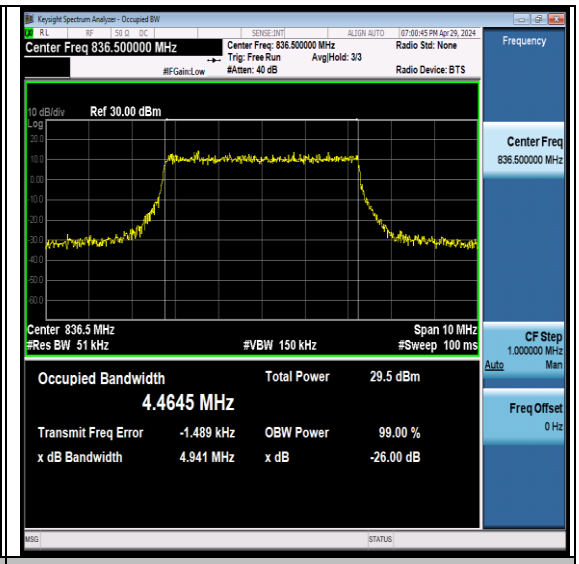
26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.4770	4.936	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.4645	4.941	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.4613	4.935	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.4825	4.967	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.4693	5.006	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.9070	9.544	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.9160	9.689	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.9021	9.627	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.9036	9.544	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.9046	9.563	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.395	14.32	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.367	14.19	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.391	14.27	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.391	14.17	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.393	14.16	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.837	18.81	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.853	18.73	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.860	18.80	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.832	18.83	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.825	18.73	PASS

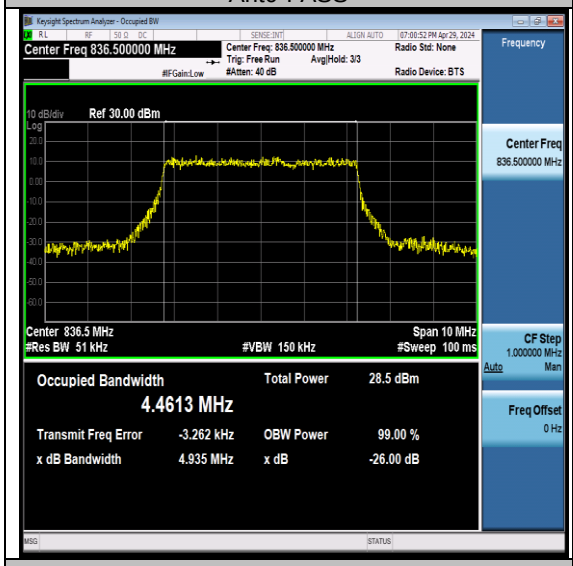
TEST GRAPHS



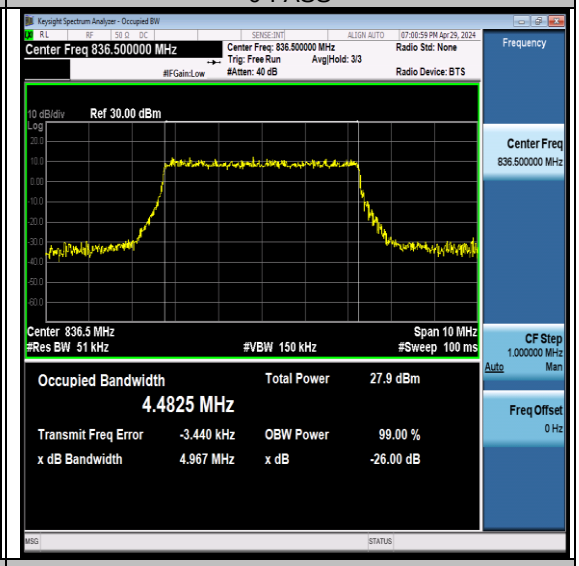
NTNV-N5-PC3-15-5-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



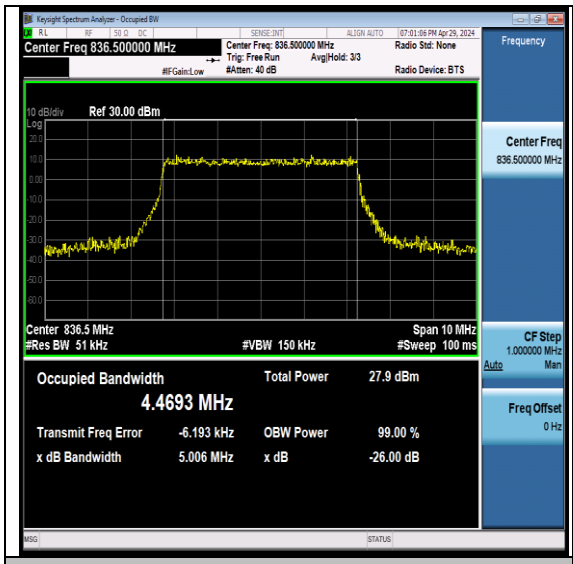
NTNV-N5-PC3-15-5-M-DFT-QPSK-Outer_Full-Ant0-PASS



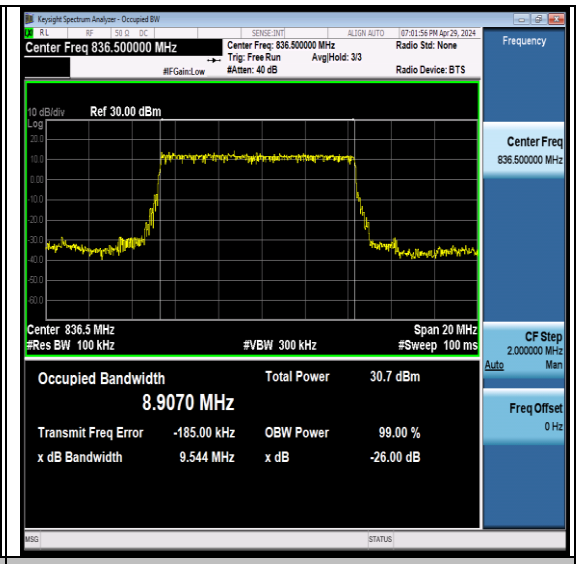
NTNV-N5-PC3-15-5-M-DFT-16QAM-Outer_Full-Ant0-PASS



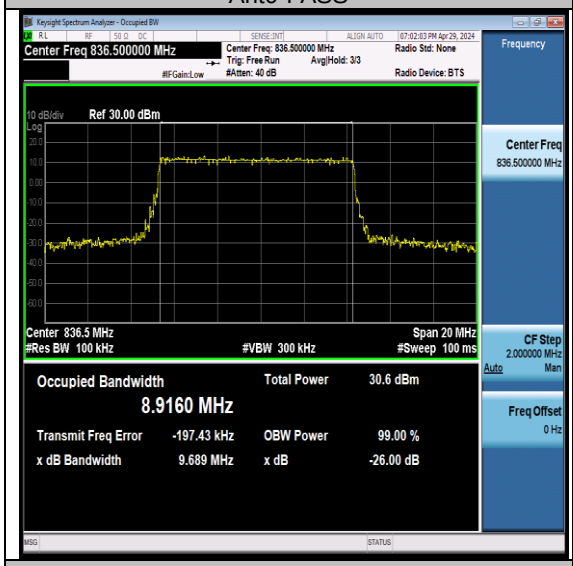
NTNV-N5-PC3-15-5-M-DFT-64QAM-Outer_Full-Ant0-PASS



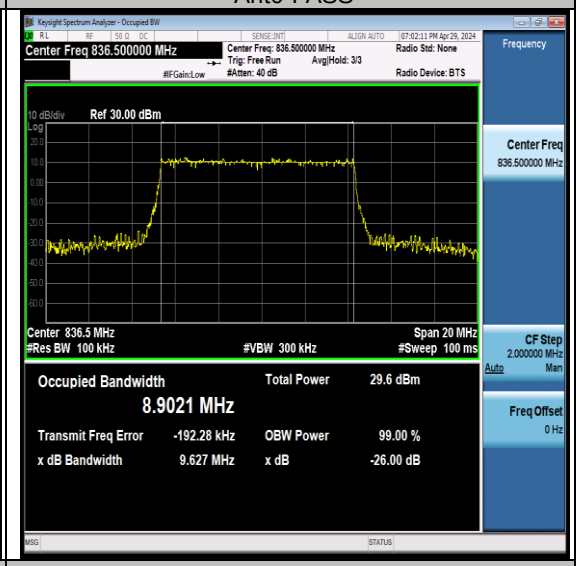
NTNV-N5-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant0-PASS



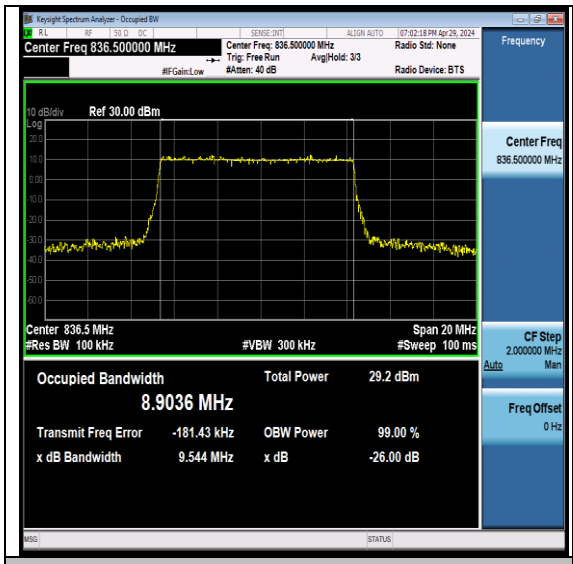
NTNV-N5-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



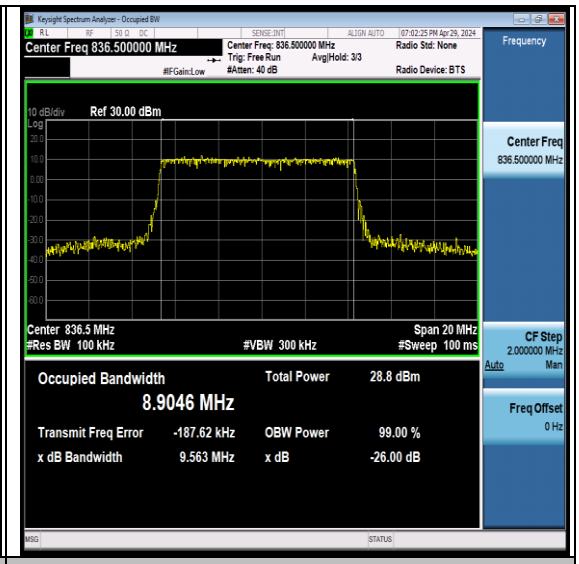
NTNV-N5-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant0-PASS



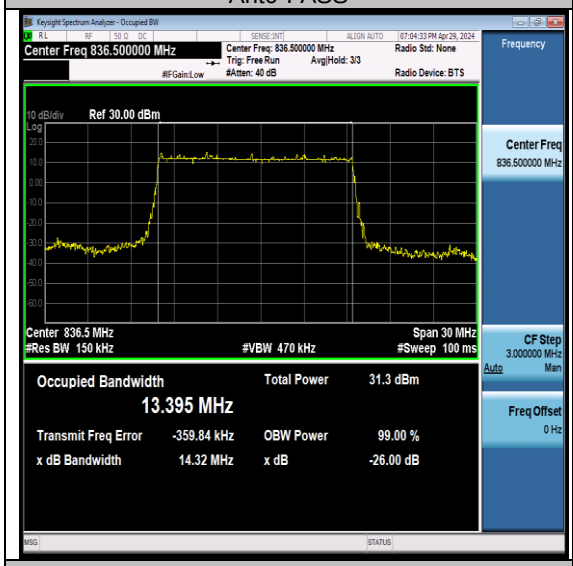
NTNV-N5-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant0-PASS



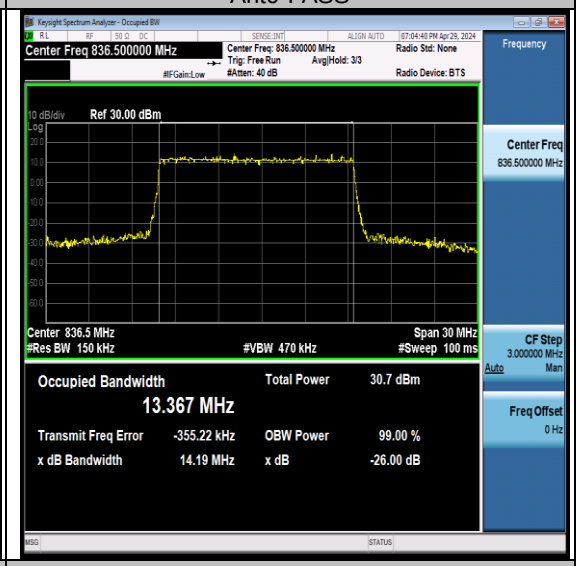
NTNV-N5-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant0-PASS



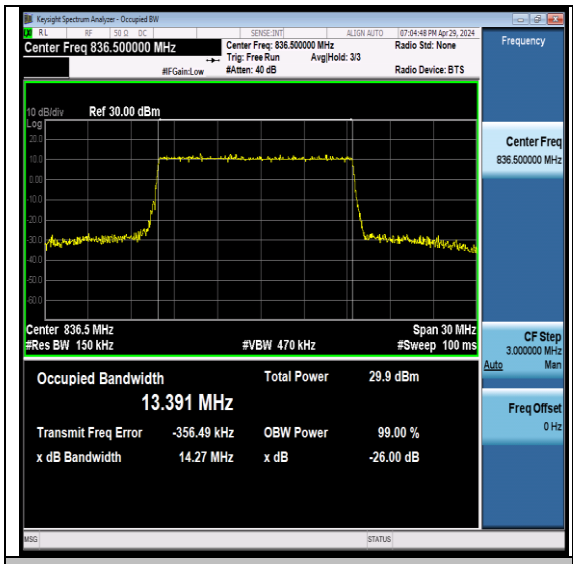
NTNV-N5-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant0-PASS



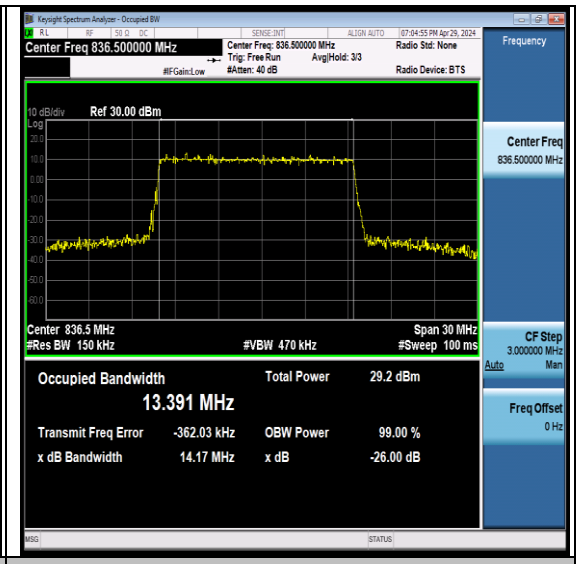
NTNV-N5-PC3-15-15-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



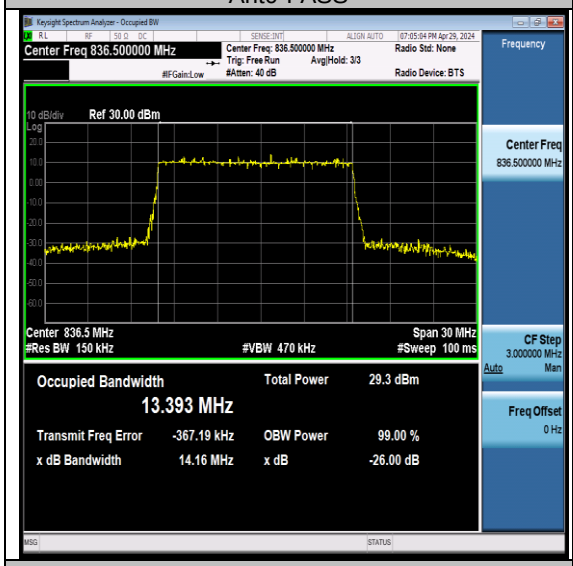
NTNV-N5-PC3-15-15-M-DFT-QPSK-Outer_Full-Ant0-PASS



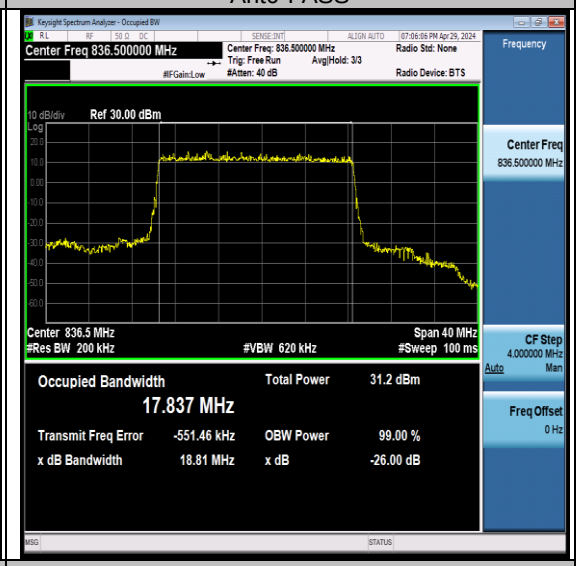
NTNV-N5-PC3-15-15-M-DFT-16QAM-Outer_Full-Ant0-PASS



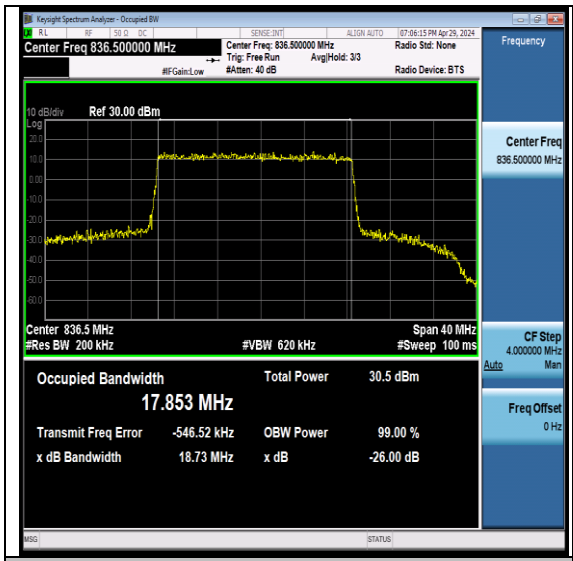
NTNV-N5-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant0-PASS



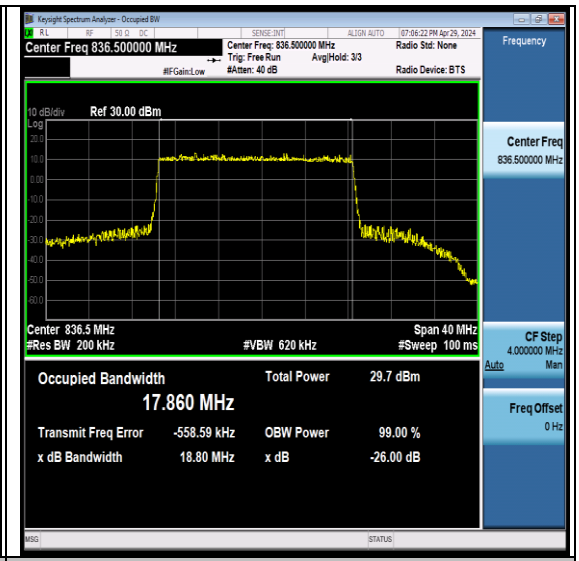
NTNV-N5-PC3-15-15-M-DFT-256QAM-Outer_Full-Ant0-PASS



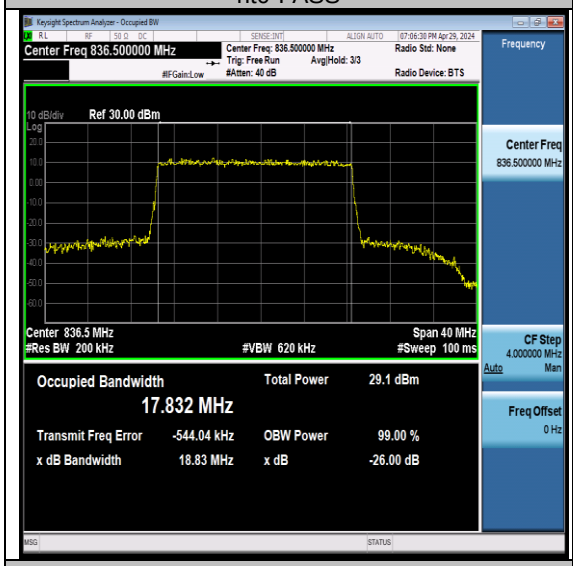
NTNV-N5-PC3-15-20-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



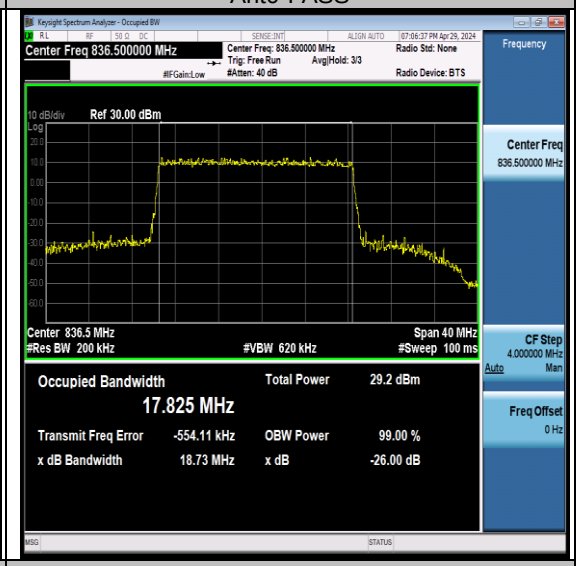
NTNV-N5-PC3-15-20-M-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-20-M-DFT-16QAM-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-20-M-DFT-64QAM-Outer_Full-Ant0-PASS

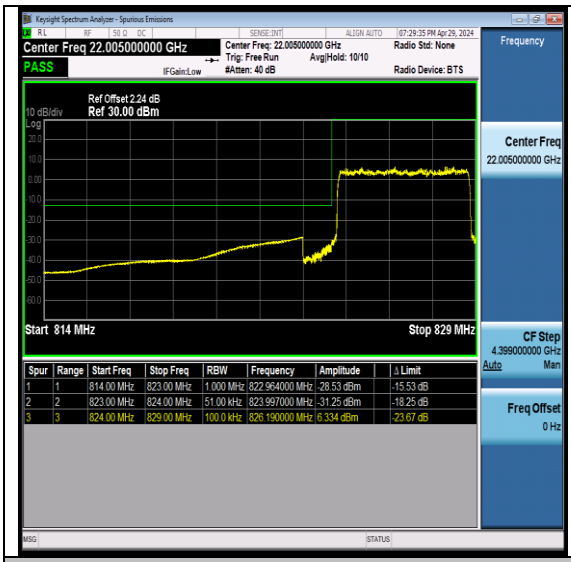


NTNV-N5-PC3-15-20-M-DFT-256QAM-Outer_Full-Ant0-PASS

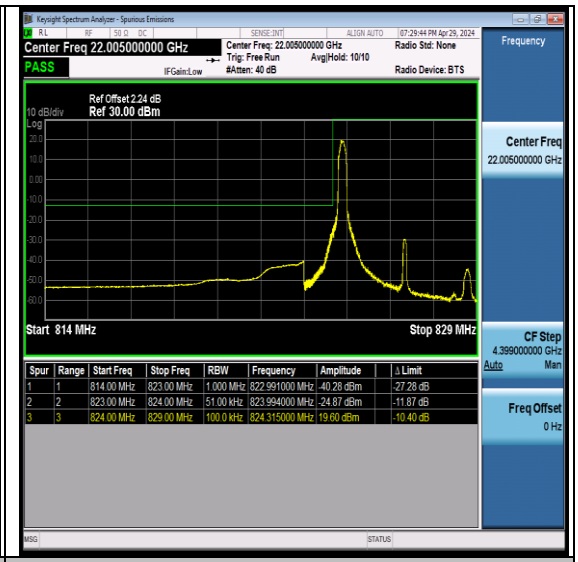
BAND EDGE FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	-28.53	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	-24.87	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	-28.08	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Right	-21.88	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	-29.87	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Left	-26.86	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	-31.20	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Right	-28.08	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	-30.05	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	-33.35	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	-34.36	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Right	-33.13	PASS

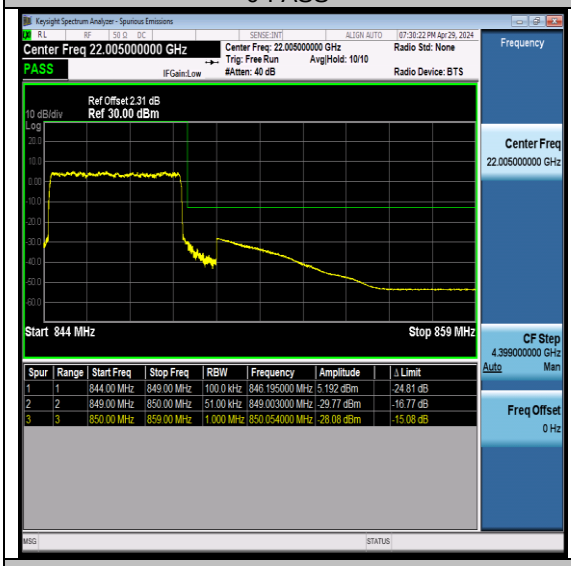
TEST GRAPHS



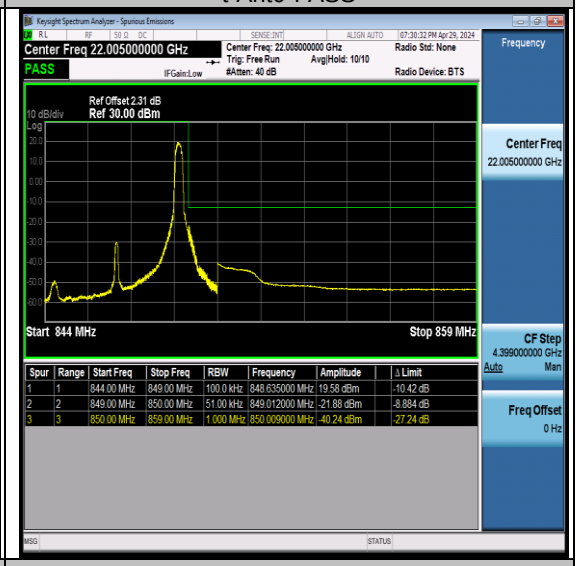
NTNV-N5-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant0-PASS



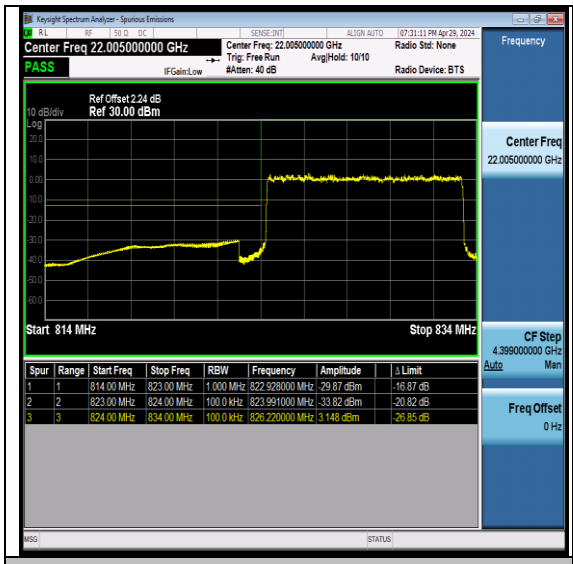
NTNV-N5-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



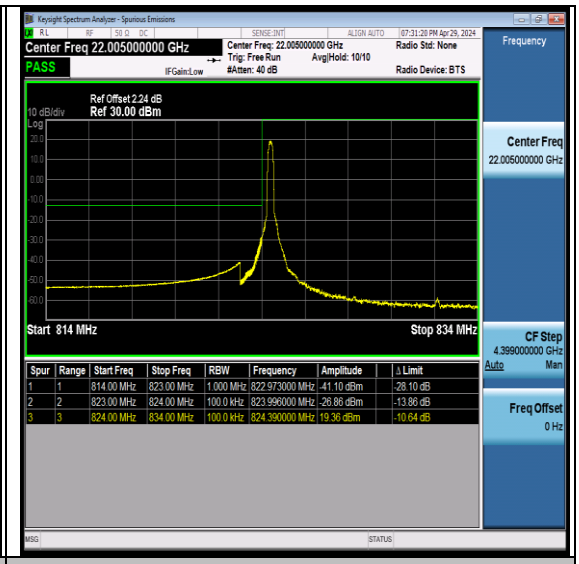
NTNV-N5-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant0-PASS



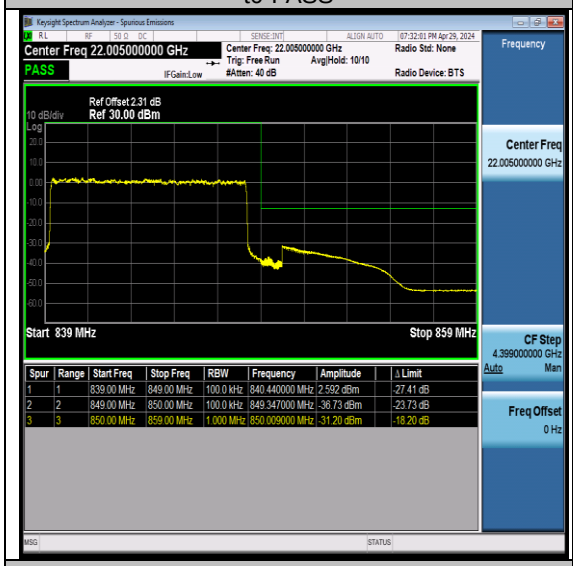
NTNV-N5-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant0-PASS



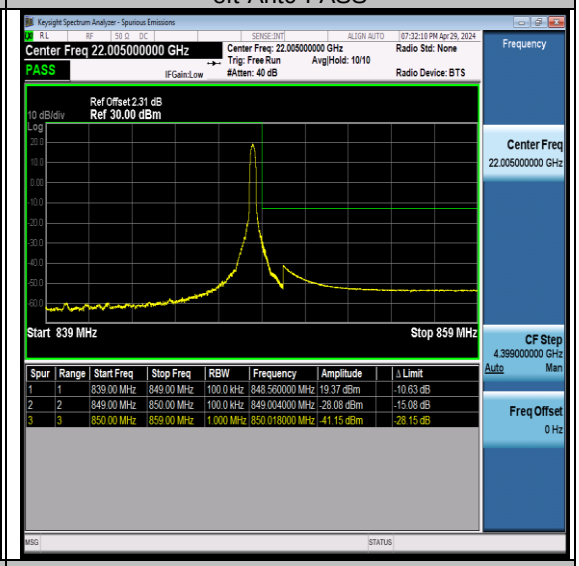
NTNV-N5-PC3-15-10-L-DFT-QPSK-Outer_Full-Ant0-PASS



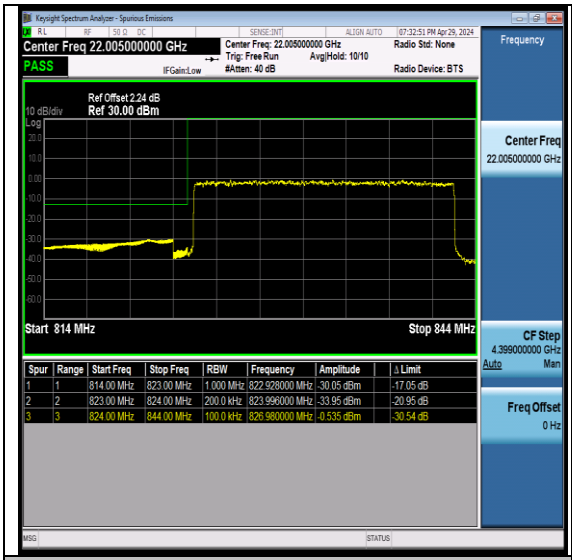
NTNV-N5-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



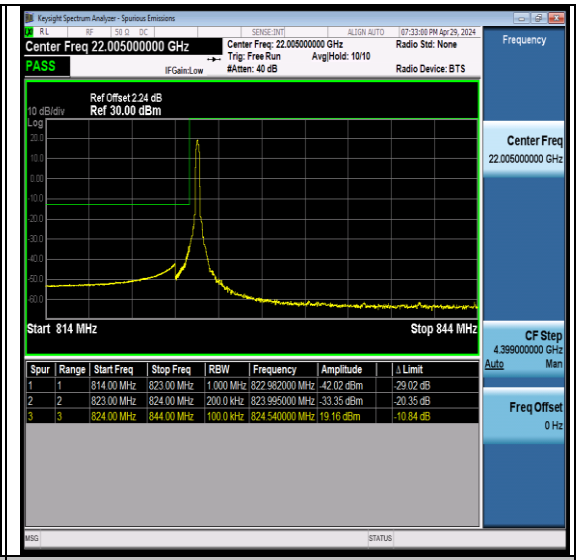
NTNV-N5-PC3-15-10-H-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-Ant0-PASS

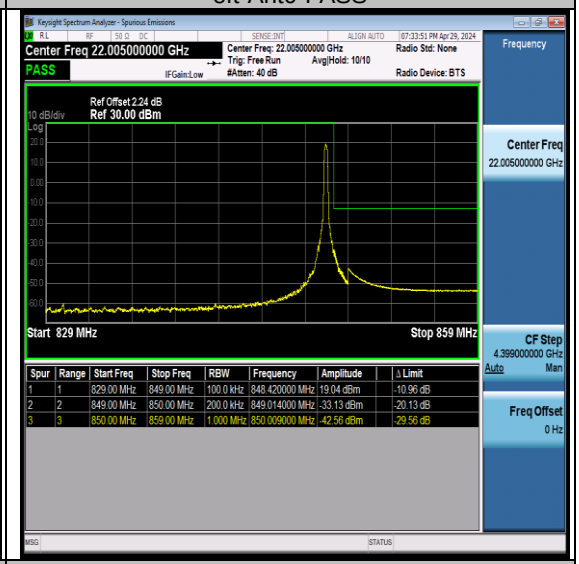


NTNV-N5-PC3-15-20-L-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-20-H-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge_1RB_Right-Ant0-PASS

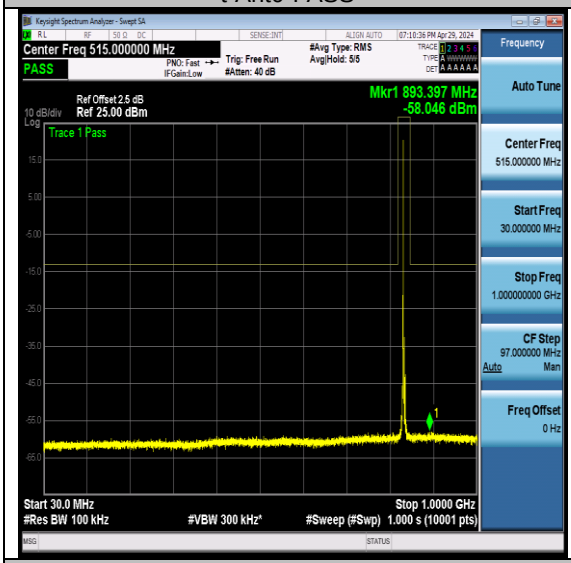
CONDUCTED SPURIOUS EMISSION FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-45.35	-13	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	9000	-39.69	-13	PASS
N5	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-58.05	-13	PASS
N5	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	9000	-39.67	-13	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.08	-13	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	9000	-39.64	-13	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-46.55	-13	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	9000	-39.63	-13	PASS
N5	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.54	-13	PASS
N5	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	9000	-39.68	-13	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-58.00	-13	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	9000	-39.66	-13	PASS
N5	15	15	DFT-QPSK	L	Edge_1RB_Left	30	1000	-44.78	-13	PASS
N5	15	15	DFT-QPSK	L	Edge_1RB_Left	1000	9000	-39.68	-13	PASS
N5	15	15	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.38	-13	PASS
N5	15	15	DFT-QPSK	M	Edge_1RB_Left	1000	9000	-39.72	-13	PASS
N5	15	15	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.45	-13	PASS
N5	15	15	DFT-QPSK	H	Edge_1RB_Left	1000	9000	-39.70	-13	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-45.14	-13	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	1000	9000	-39.65	-13	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-55.70	-13	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Left	1000	9000	-39.66	-13	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.64	-13	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Left	1000	9000	-39.71	-13	PASS

TEST GRAPHS

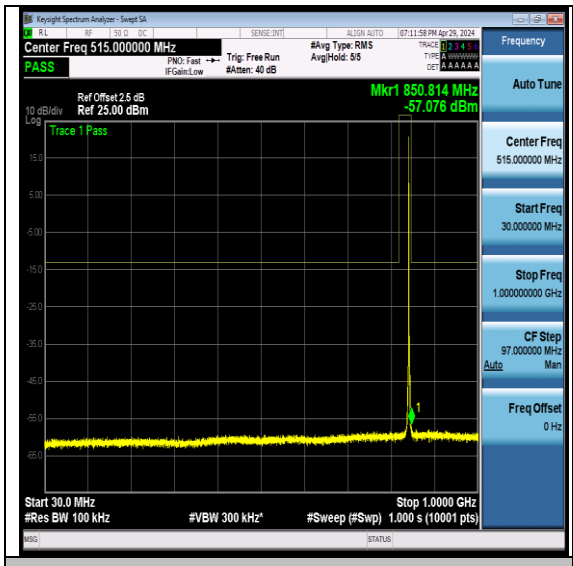
NTNV-N5-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N5-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N5-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

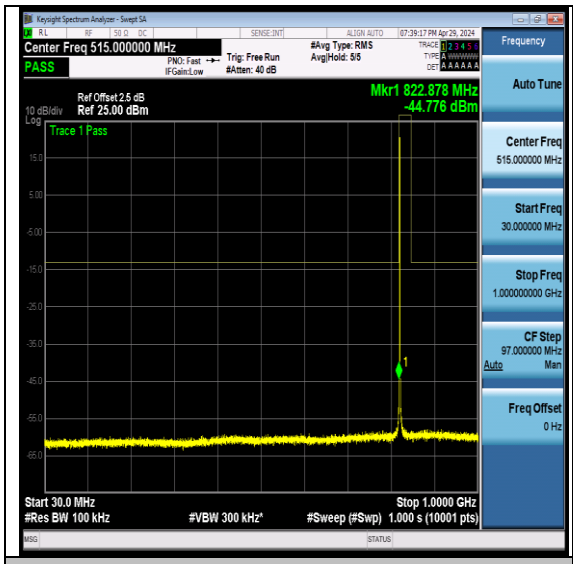
NTNV-N5-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N5-PC3-15-15-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-15-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-15-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

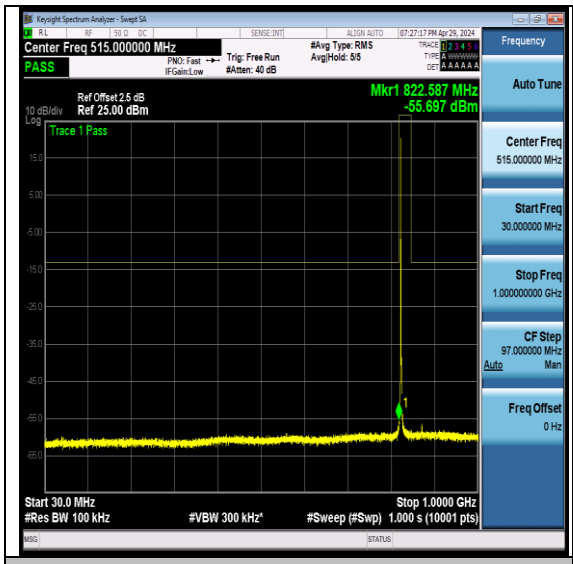
NTNV-N5-PC3-15-15-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-15-H-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-15-H-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N5-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-Ant0-PASS

FREQUENCY STABILITY FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-QPSK	L	Outer_Full	VL	NT	17.000000	0.020384	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VN	NT	19.000000	0.022782	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VH	NT	14.000000	0.016787	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-30	16.000000	0.019185	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-20	11.000000	0.013189	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-10	10.000000	0.011990	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	0	8.000000	0.009592	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	10	3.000000	0.003597	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	20	11.000000	0.013189	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	30	9.000000	0.010791	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	40	4.000000	0.004796	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	50	18.000000	0.021583	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VL	NT	10.000000	0.011955	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VN	NT	6.000000	0.007173	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VH	NT	1.000000	0.001195	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-30	15.000000	0.017932	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-20	14.000000	0.016736	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-10	2.000000	0.002391	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	0	12.000000	0.014345	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	10	19.000000	0.022714	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	20	6.000000	0.007173	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	30	1.000000	0.001195	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	40	19.000000	0.022714	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	50	9.000000	0.010759	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VL	NT	3.000000	0.003576	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VN	NT	8.000000	0.009535	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VH	NT	3.000000	0.003576	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-30	1.000000	0.001192	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-20	16.000000	0.019070	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-10	18.000000	0.021454	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	0	10.000000	0.011919	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	10	8.000000	0.009535	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	20	16.000000	0.019070	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	30	18.000000	0.021454	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	40	1.000000	0.001192	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	50	18.000000	0.021454	PASS

N7

PEAK-TO-AVERAGE RATIO(CCDF)
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N7	15	20	DFT-QPSK	L	Outer_Full	5.53	≤13	PASS
N7	15	20	DFT-QPSK	L	Edge_1RB_Left	5.30	≤13	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	5.32	≤13	PASS
N7	15	20	DFT-QPSK	M	Edge_1RB_Left	5.14	≤13	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	5.47	≤13	PASS
N7	15	20	DFT-QPSK	H	Edge_1RB_Left	5.15	≤13	PASS