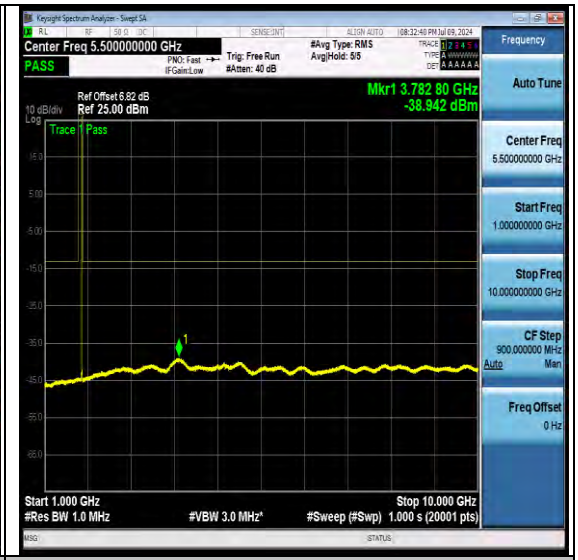
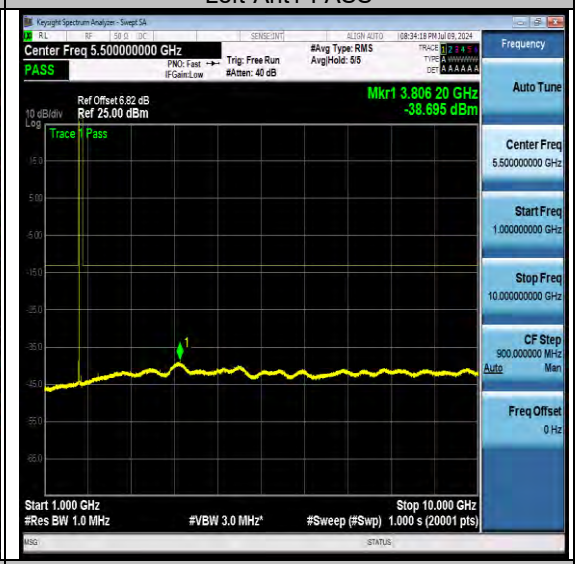
NTNV-N66-PC3-15-10-H-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS



NTNV-N66-PC3-15-10-H-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS

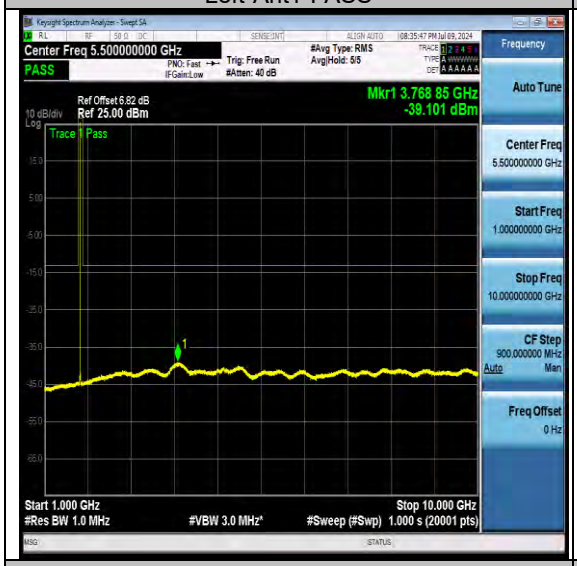
NTNV-N66-PC3-15-20-L-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS



NTNV-N66-PC3-15-20-L-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS

NTNV-N66-PC3-15-20-L-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS

NTNV-N66-PC3-15-20-M-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS



NTNV-N66-PC3-15-20-M-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS

NTNV-N66-PC3-15-20-M-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS

NTNV-N66-PC3-15-20-H-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS	NTNV-N66-PC3-15-20-H-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS
NTNV-N66-PC3-15-20-H-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS	

FREQUENCY STABILITY FOR SA
TEST RESULT

Frequency Error VS. Voltage

Voltage													
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limited (MHz)	Verdict
N66	15	20	DFT-QPSK	L	Outer_Full	VL	NT	10.00	0.005814	1710.007764	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	VN	NT	15.00	0.008721	1710.002432	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	VH	NT	5.00	0.002907	1710.028024	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	-30	10.00	0.005814	1710.028043	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	-20	6.00	0.003488	1710.003623	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	-10	15.00	0.008721	1710.014899	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	0	11.00	0.006395	1710.000272	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	10	7.00	0.004070	1710.033854	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	20	4.00	0.002326	1710.032237	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	30	1.00	0.000581	1710.025551	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	40	9.00	0.005233	1710.007764	---	1710-1810	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	50	5.00	0.002907	1710.002432	---	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VL	NT	9.00	0.005085	---	1809.953487	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VN	NT	14.00	0.007910	---	1809.600767	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VH	NT	15.00	0.008475	---	1809.859184	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-30	8.00	0.004520	---	1809.64637	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-20	4.00	0.002260	---	1809.845263	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-10	10.00	0.005650	---	1809.925257	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	0	18.00	0.010169	---	1809.638321	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	10	8.00	0.004520	---	1809.792043	1710-1810	PASS

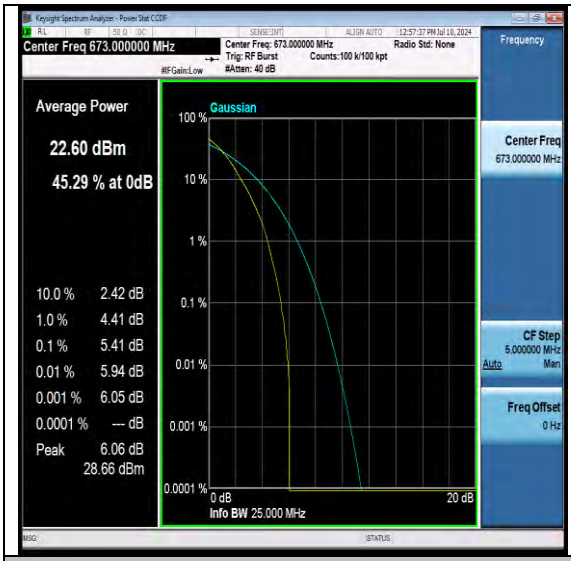
N66	15	20	DFT-QPSK	H	Outer_Full	NV	20	16.00	0.009040	---	1809.748993	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	30	6.00	0.003390	---	1809.953487	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	40	14.00	0.007910	---	1809.600767	1710-1810	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	50	13.00	0.007345	---	1809.859184	1710-1810	PASS

N71
PEAK-TO-AVERAGE RATIO(CCDF)

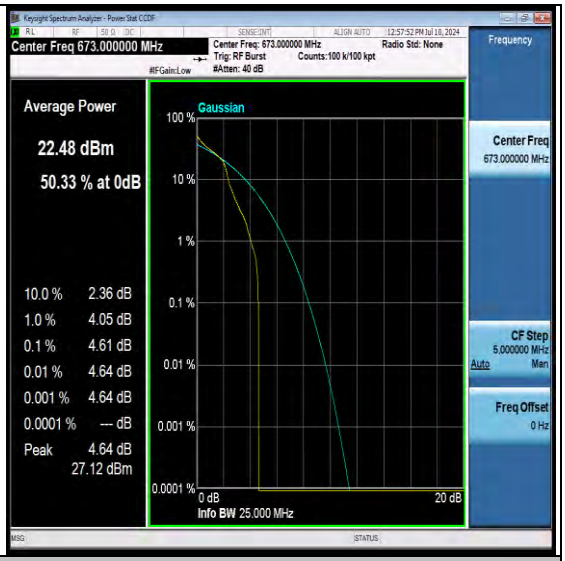
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N71	15	20	DFT-QPSK	L	Outer_Full	5.41	≤13	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	4.61	≤13	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	5.08	≤13	PASS
N71	15	20	DFT-QPSK	M	Edge_1RB_Left	4.92	≤13	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	5.54	≤13	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Left	4.82	≤13	PASS

TEST GRAPHS

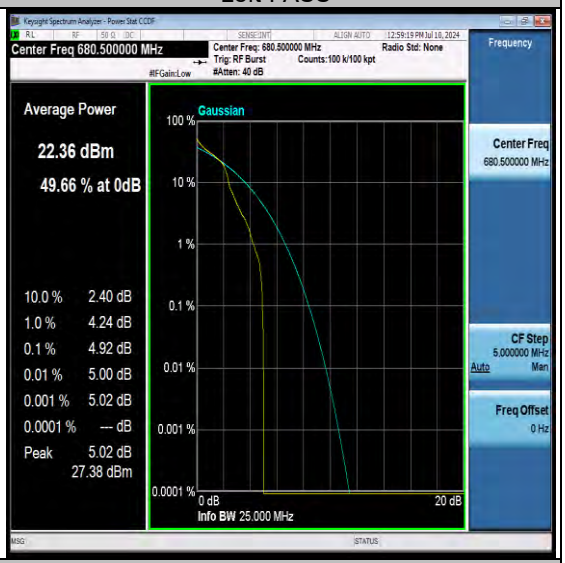


NTNV-N71-PC3-15-20-L-DFT-QPSK-Outer_Full-PASS

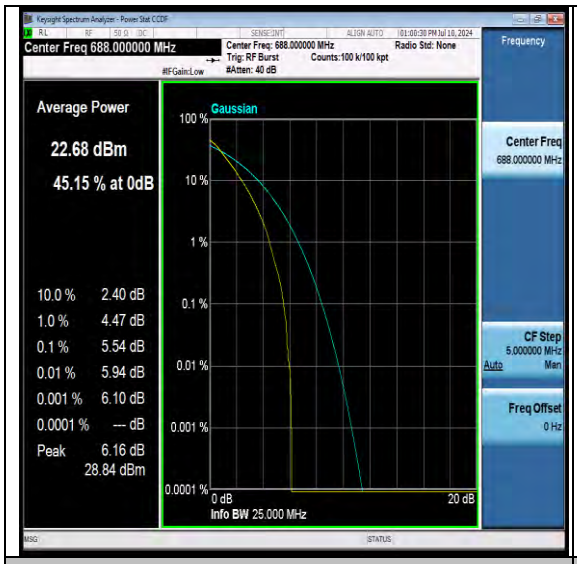


NTNV-N71-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-PASS

NTNV-N71-PC3-15-20-M-DFT-QPSK-Outer_Full-PASS



NTNV-N71-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N71-PC3-15-20-H-DFT-QPSK-Outer_Full-PASS

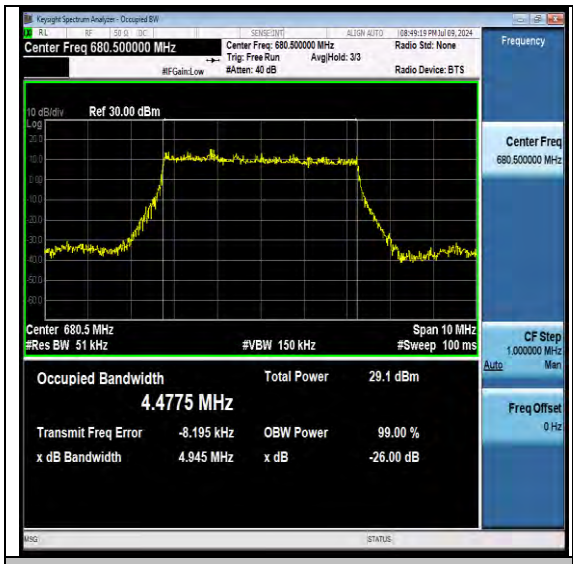
NTNV-N71-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

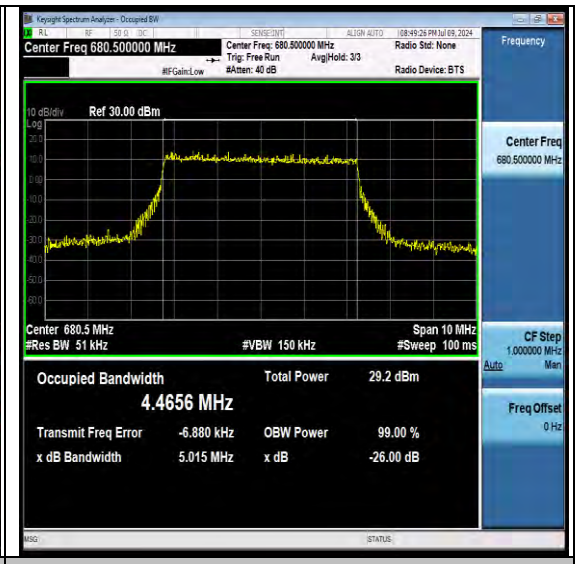
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	DFT-PI2BPSK	M	Outer_Full	4.4775	4.945	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	4.4656	5.015	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.4655	5.034	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	4.4771	4.866	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	4.4756	5.015	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	8.8975	9.488	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.8965	9.480	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.9021	9.432	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	8.9027	9.568	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	8.8910	9.591	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	13.384	14.11	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.357	14.11	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.382	14.34	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	13.361	14.16	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	13.363	14.25	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	17.793	18.69	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.798	18.72	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.840	18.75	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	17.827	18.65	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	17.786	18.64	PASS

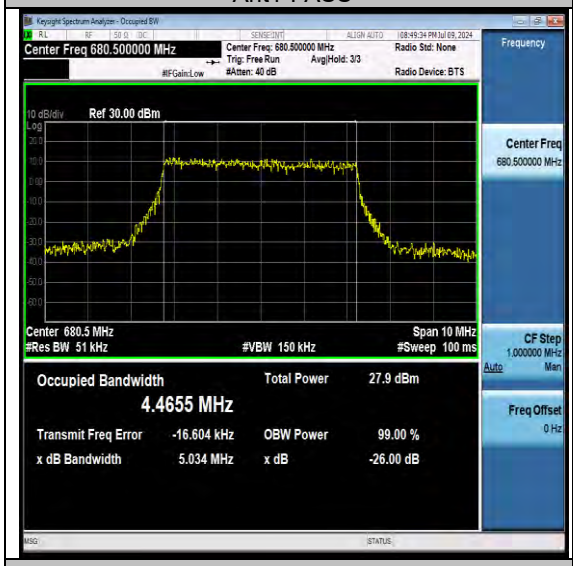
TEST GRAPHS



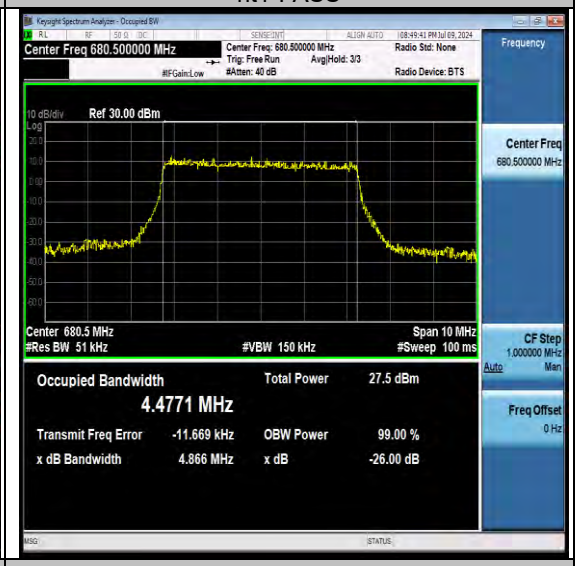
NTNV-N71-PC3-15-5-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



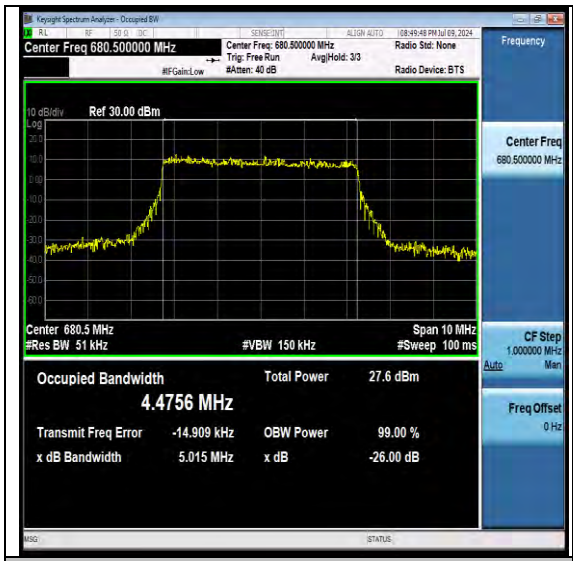
NTNV-N71-PC3-15-5-M-DFT-QPSK-Outer_Full-Ant1-PASS



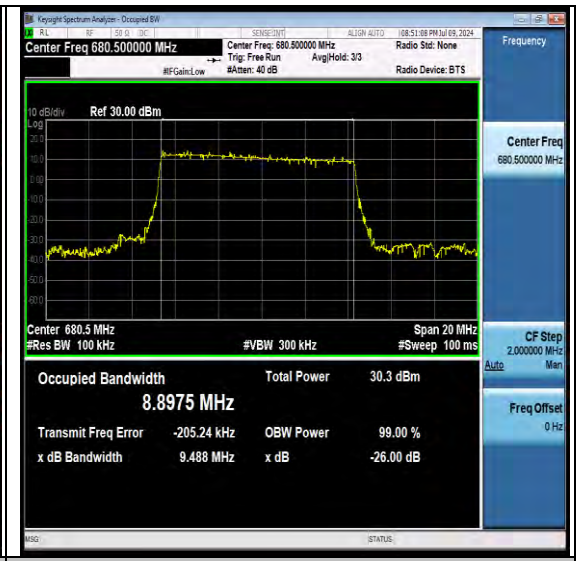
NTNV-N71-PC3-15-5-M-DFT-16QAM-Outer_Full-Ant1-PASS



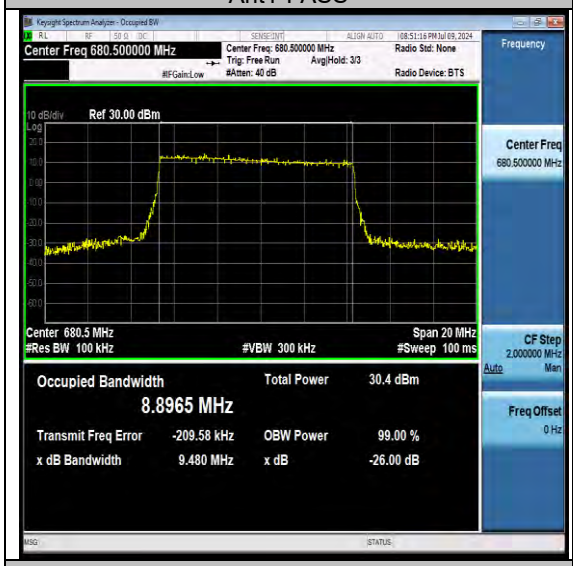
NTNV-N71-PC3-15-5-M-DFT-64QAM-Outer_Full-Ant1-PASS



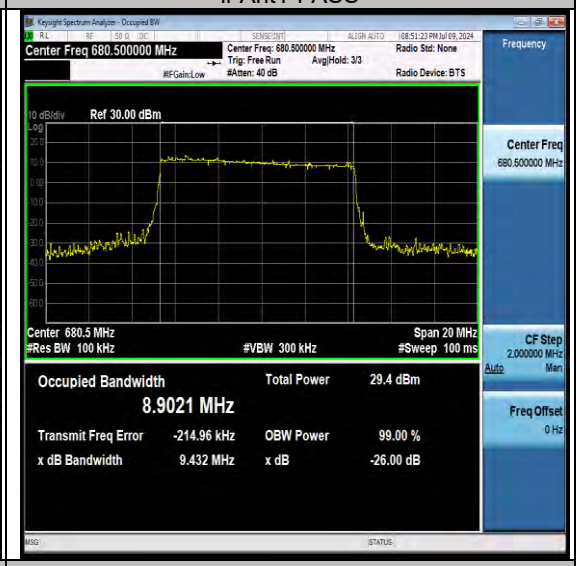
NTNV-N71-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-PASS



NTNV-N71-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



NTNV-N71-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-PASS



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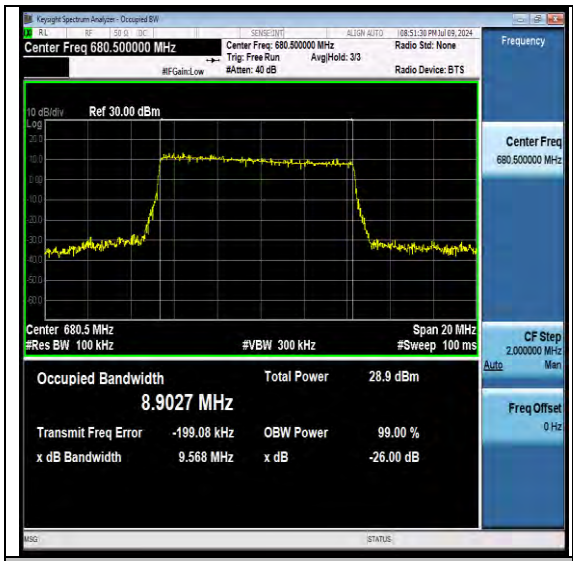
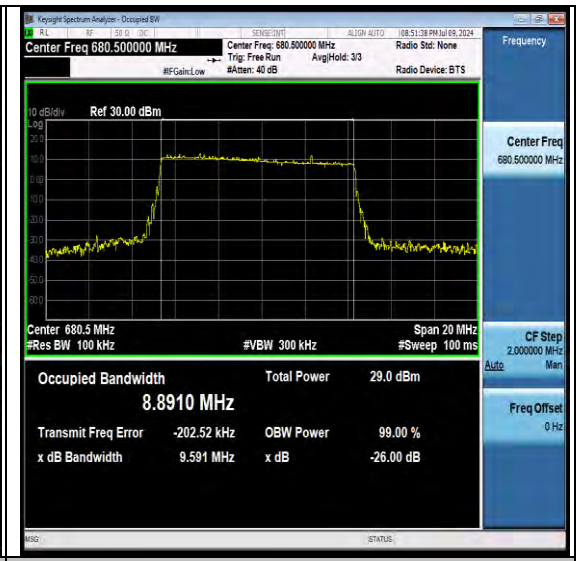
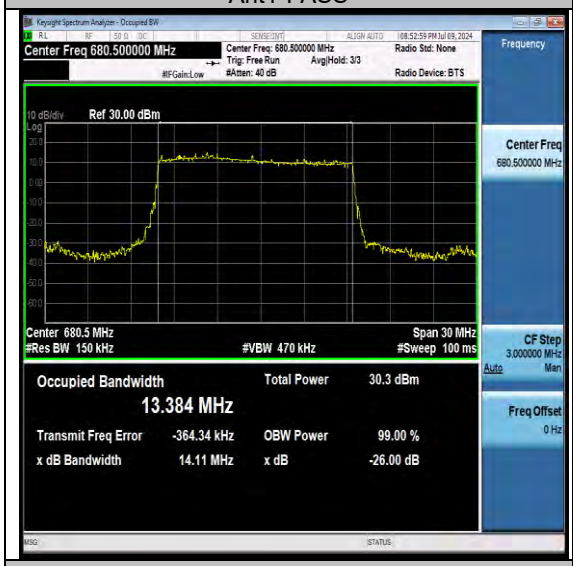


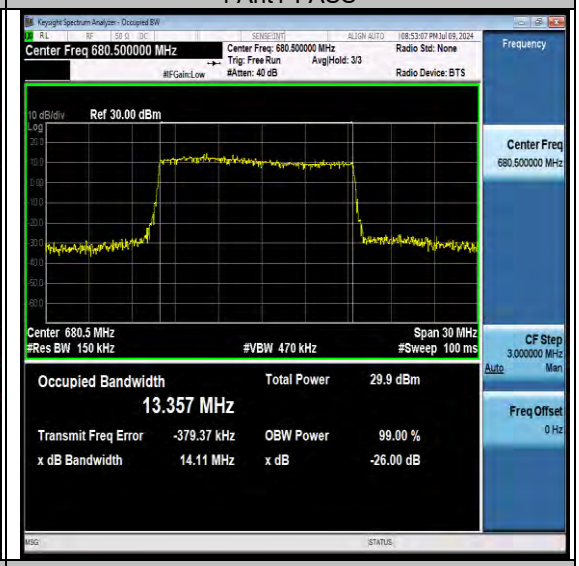
NTNV-N71-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant1-PASS



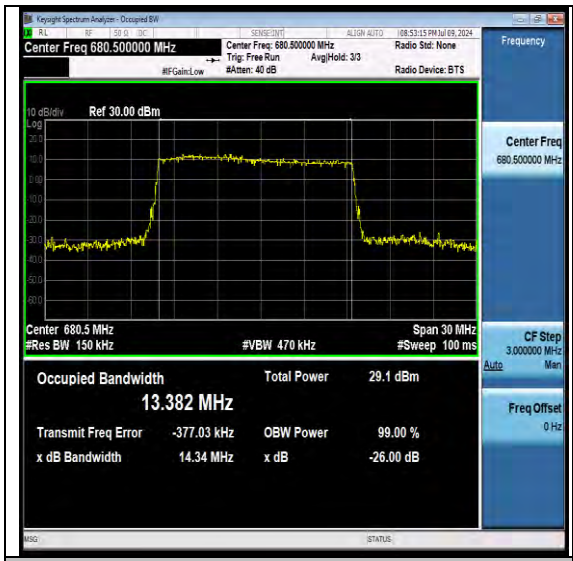
NTNV-N71-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant1-PASS



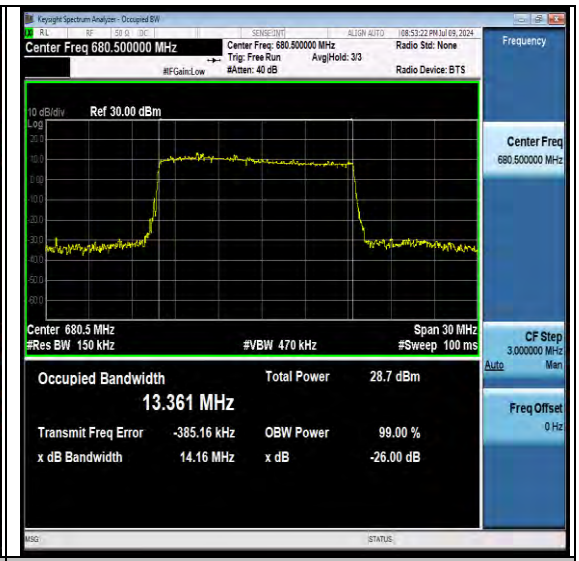
NTNV-N71-PC3-15-15-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



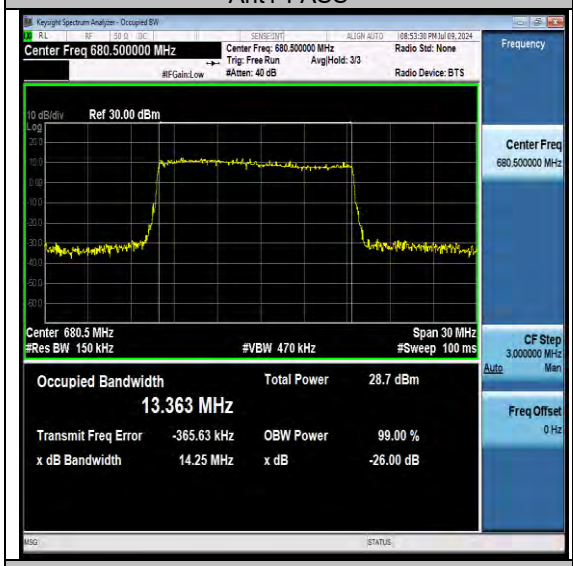
NTNV-N71-PC3-15-15-M-DFT-QPSK-Outer_Full-Ant1-PASS



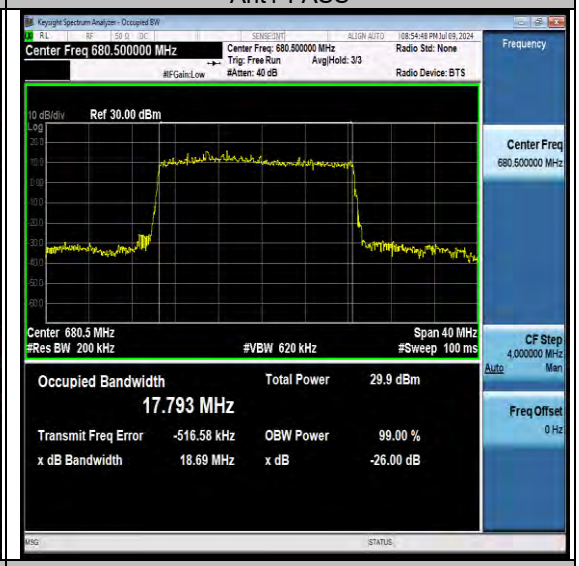
NTNV-N71-PC3-15-15-M-DFT-16QAM-Outer_Full-Ant1-PASS



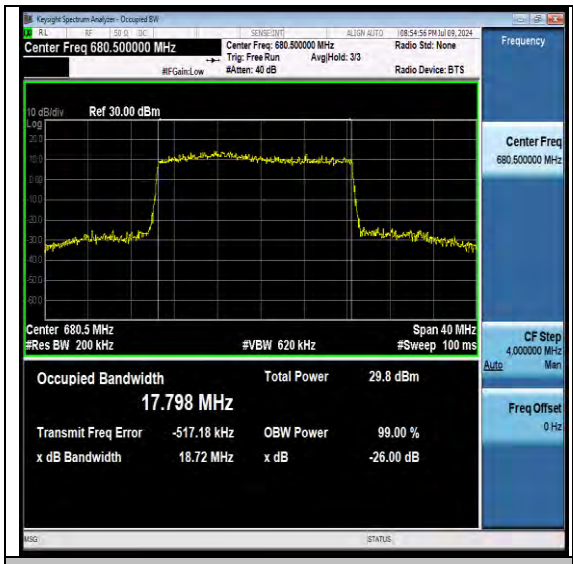
NTNV-N71-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant1-PASS



NTNV-N71-PC3-15-15-M-DFT-256QAM-Outer_Full-Ant1-PASS

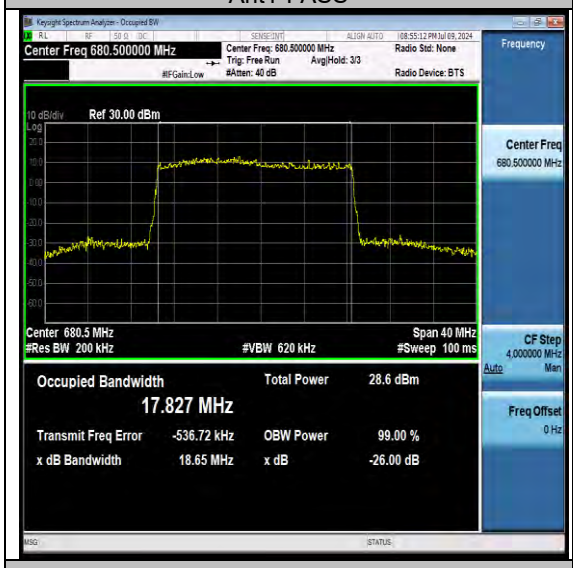


NTNV-N71-PC3-15-20-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS

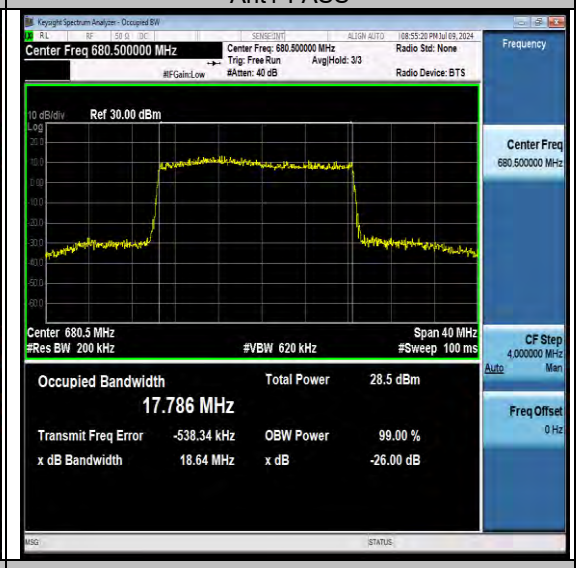


NTNV-N71-PC3-15-20-M-DFT-QPSK-Outer_Full-Ant1-PASS

NTNV-N71-PC3-15-20-M-DFT-16QAM-Outer_Full-Ant1-PASS



NTNV-N71-PC3-15-20-M-DFT-64QAM-Outer_Full-Ant1-PASS



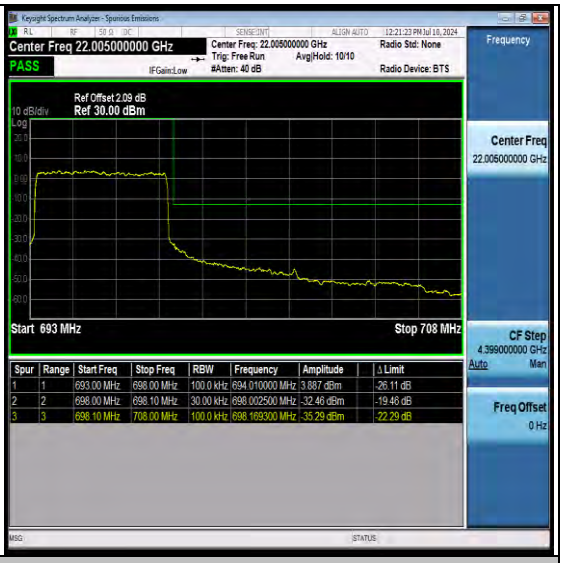
NTNV-N71-PC3-15-20-M-DFT-256QAM-Outer_Full-Ant1-PASS

BAND EDGE FOR SA
TEST RESULT

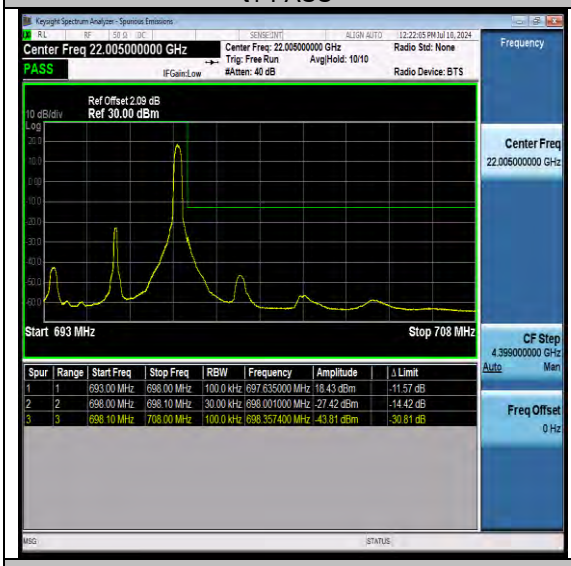
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	-30.45	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	-32.46	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Right	-27.42	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	-33.91	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Left	-28.97	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	-41.57	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Right	-29.30	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	-39.90	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	-34.61	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	-40.07	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Right	-35.66	PASS

TEST GRAPHS

NTNV-N71-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant1-PASS

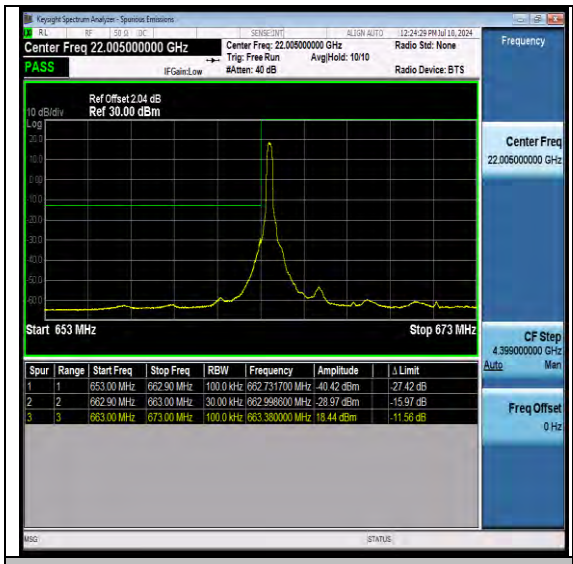


NTNV-N71-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant1-PASS



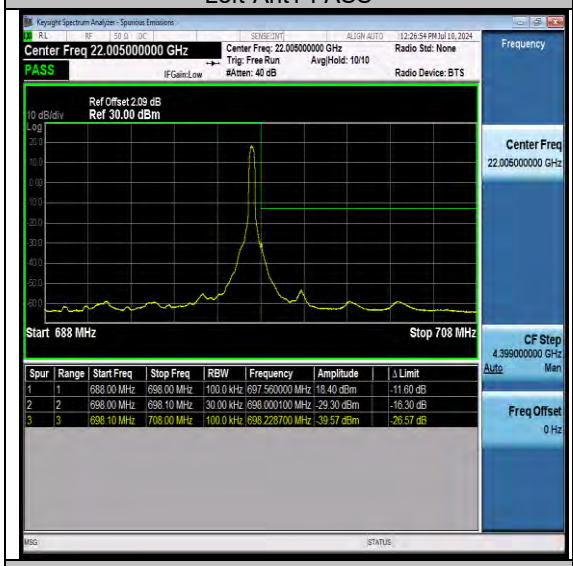
NTNV-N71-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS

NTNV-N71-PC3-15-10-L-DFT-QPSK-Outer_Full-Ant1-PASS



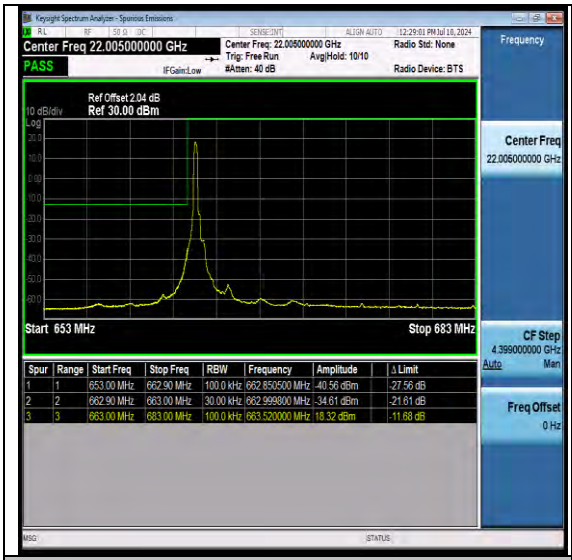
NTNV-N71-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

NTNV-N71-PC3-15-10-H-DFT-QPSK-Outer_Full-Ant1-PASS



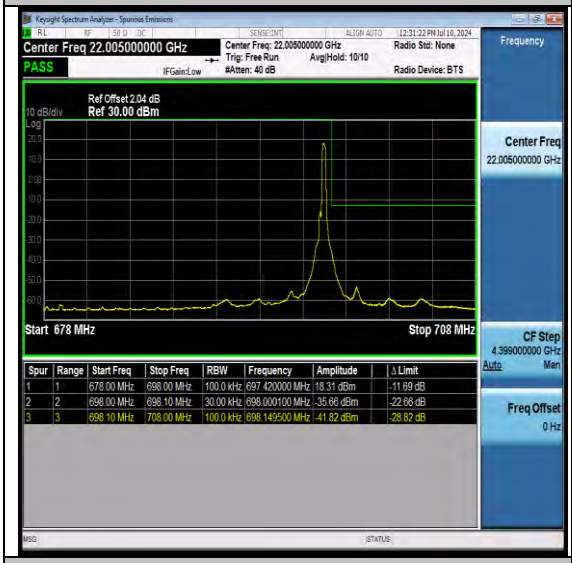
NTNV-N71-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS

NTNV-N71-PC3-15-20-L-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N71-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

NTNV-N71-PC3-15-20-H-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N71-PC3-15-20-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS

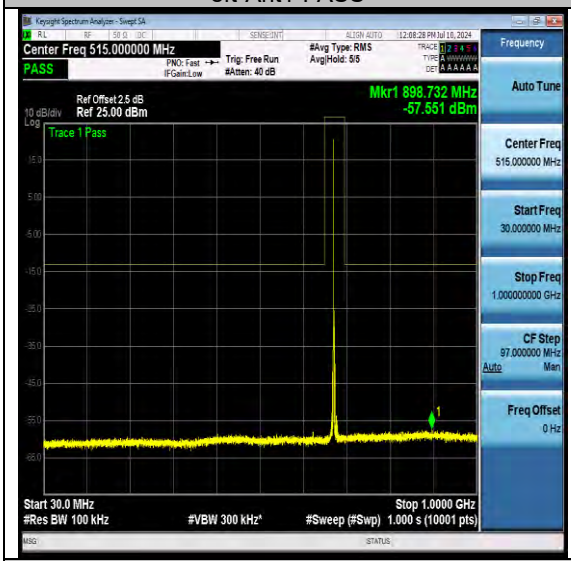
CONDUCTED SPURIOUS EMISSION FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N71	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.14	-13	PASS
N71	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	7000	-39.88	-13	PASS
N71	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.55	-13	PASS
N71	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	7000	-40.03	-13	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.47	-13	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	7000	-40.14	-13	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.54	-13	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	7000	-40.02	-13	PASS
N71	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.39	-13	PASS
N71	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	7000	-40.12	-13	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.58	-13	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	7000	-39.94	-13	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.52	-13	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	1000	7000	-39.96	-13	PASS
N71	15	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.72	-13	PASS
N71	15	20	DFT-QPSK	M	Edge_1RB_Left	1000	7000	-40.08	-13	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.67	-13	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Left	1000	7000	-40.02	-13	PASS

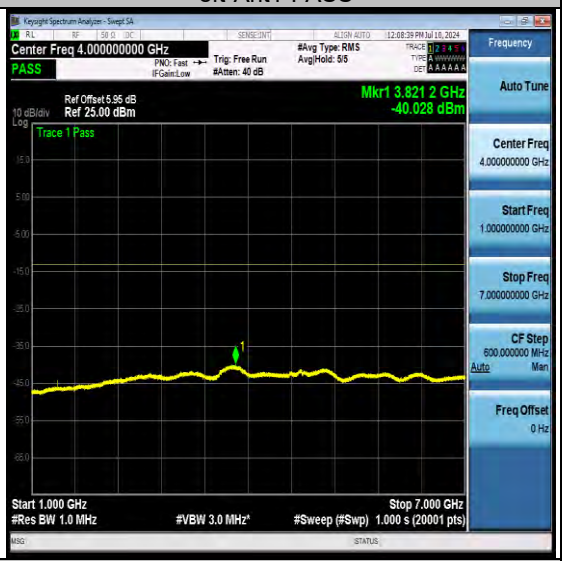
TEST GRAPHS

NTNV-N71-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

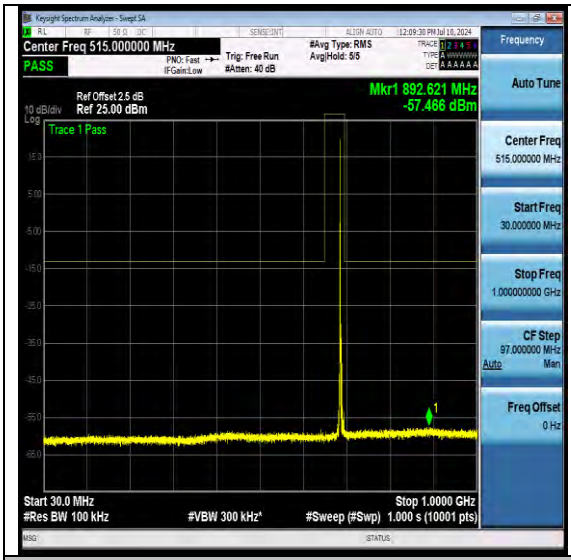
NTNV-N71-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N71-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

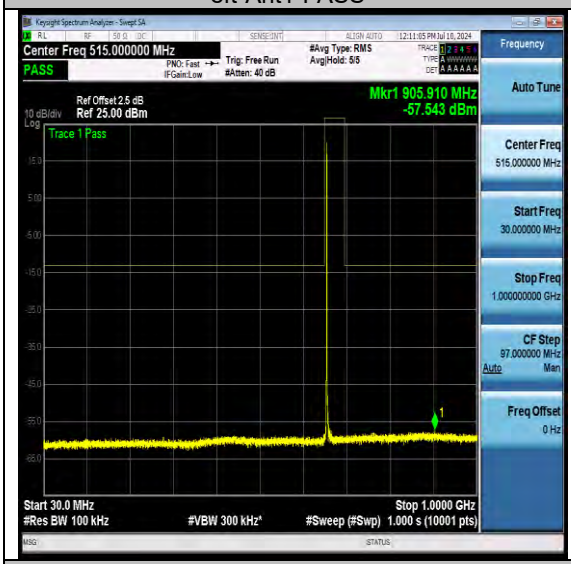


NTNV-N71-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



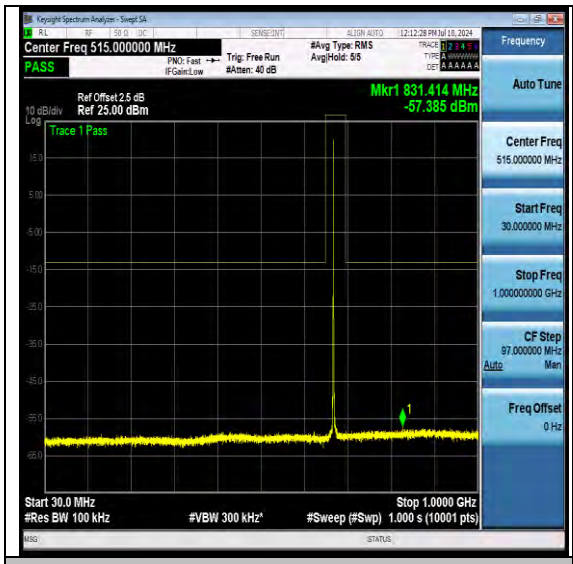
NTNV-N71-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

NTNV-N71-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

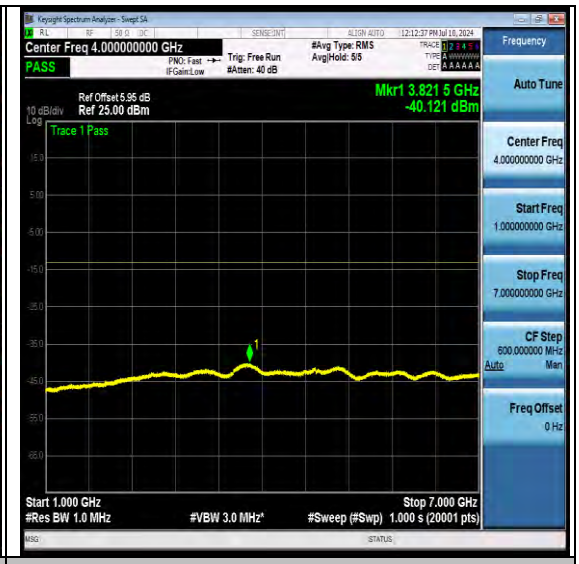


NTNV-N71-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

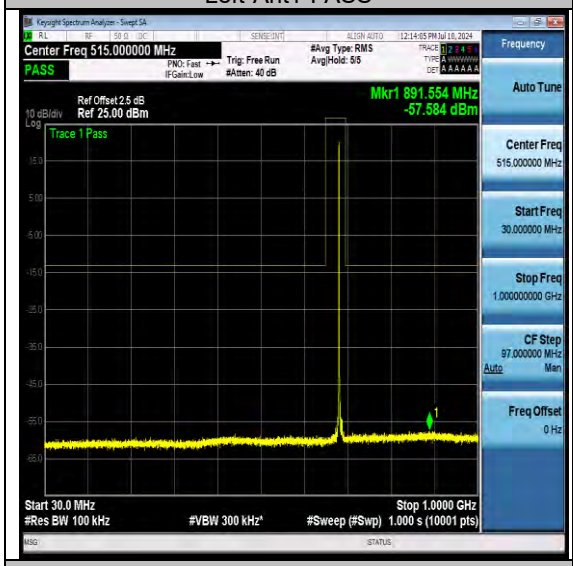
NTNV-N71-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N71-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N71-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

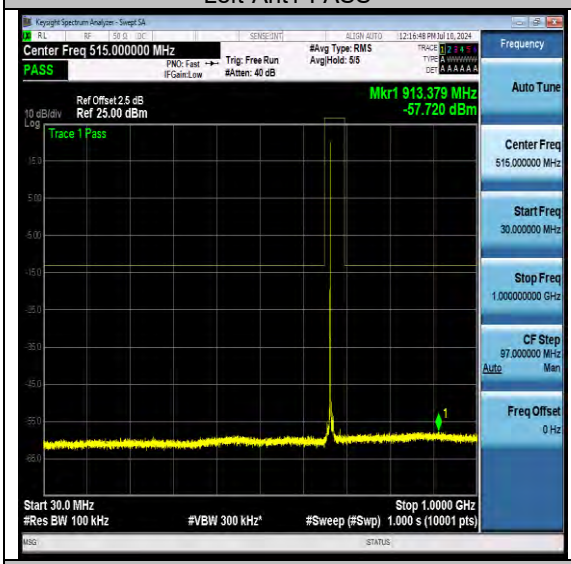


NTNV-N71-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

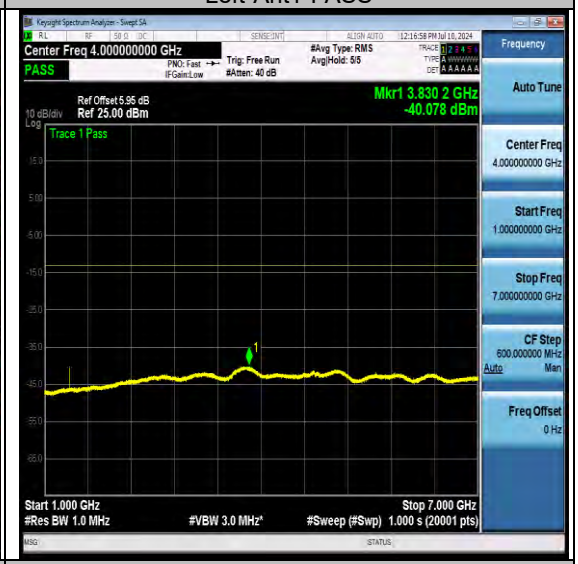
NTNV-N71-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

NTNV-N71-PC3-15-20-L-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS

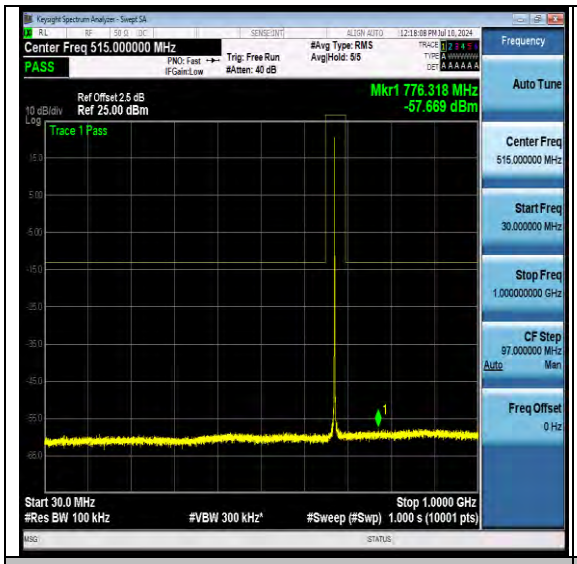
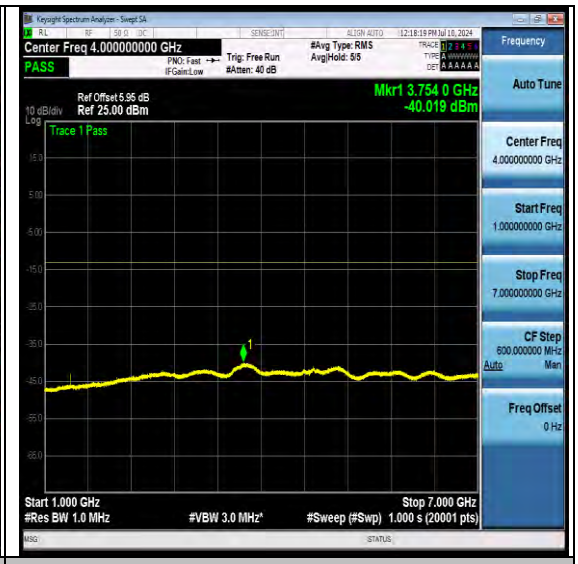
NTNV-N71-PC3-15-20-L-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS



NTNV-N71-PC3-15-20-M-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS



NTNV-N71-PC3-15-20-M-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS

	
NTNV-N71-PC3-15-20-H-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS	NTNV-N71-PC3-15-20-H-DFT-QPSK-Edge_1RB_ Left-Ant1-PASS

FREQUENCY STABILITY FOR SA
TEST RESULT

Voltage													
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limited (MHz)	Verdict
N71	15	20	DFT-QPSK	L	Outer_Full	VL	NT	16.00	0.023774	663.0154883	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	VN	NT	11.00	0.016344	663.0327187	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	VH	NT	19.00	0.028232	663.0335872	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-30	12.00	0.017831	663.0444587	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-20	1.00	0.001486	663.0398524	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-10	11.00	0.016344	663.0436006	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	0	1.00	0.001486	663.0355817	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	10	16.00	0.023774	663.0050051	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	20	6.00	0.008915	663.0362453	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	30	14.00	0.020802	663.0265245	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	40	4.00	0.005944	663.0154883	---	663-698	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	50	3.00	0.004458	663.0327187	---	663-698	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VL	NT	1.00	0.001453	---	697.6804195	663-698	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VN	NT	10.00	0.014535	---	697.9230745	663-698	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VH	NT	13.00	0.018895	---	697.6312799	663-698	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	-30	2.00	0.002907	---	697.6107292	663-698	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	-20	2.00	0.002907	---	697.7464292	663-698	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	-10	10.00	0.014535	---	697.9709676	663-698	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	0	19.00	0.027616	---	697.9643385	663-698	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	10	12.00	0.017442	---	697.9810726	663-698	PASS
N71	15	20	DFT-QP	H	Outer_Fu	NV	20	2.00	0.002907	---	697.78	663-6	PASS

			SK		II						38874	98	
N71	15	20	DFT-QP SK	H	Outer_Full	NV	30	10.00	0.014535	---	697.6804195	663-698	PASS
N71	15	20	DFT-QP SK	H	Outer_Full	NV	40	18.00	0.026163	---	697.9230745	663-698	PASS
N71	15	20	DFT-QP SK	H	Outer_Full	NV	50	8.00	0.011628	---	697.6312799	663-698	PASS

--END--