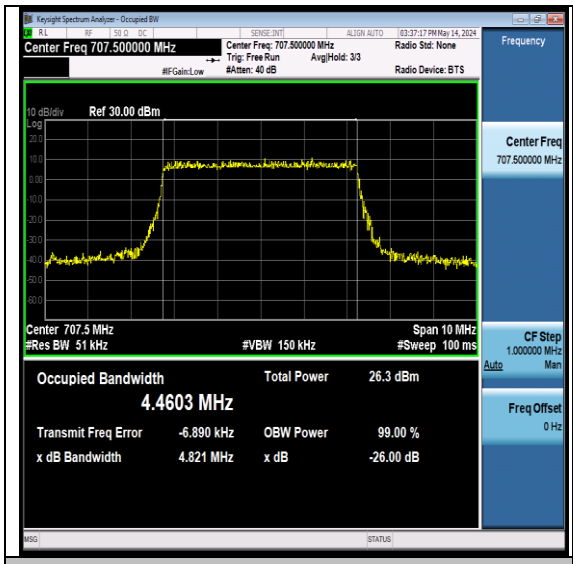
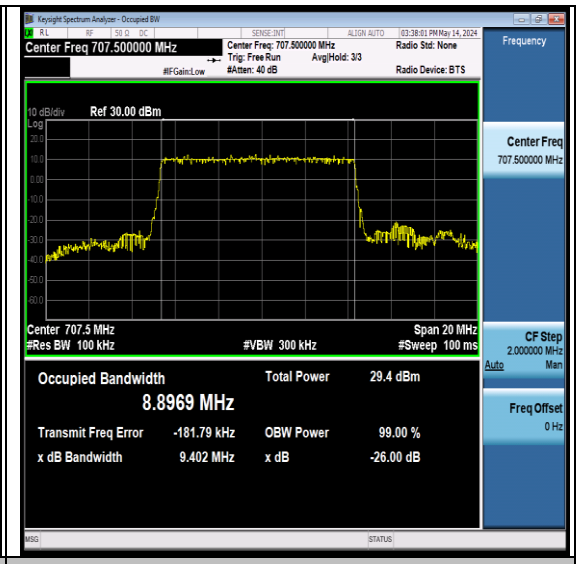


NTNV-N12-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant2-PASS



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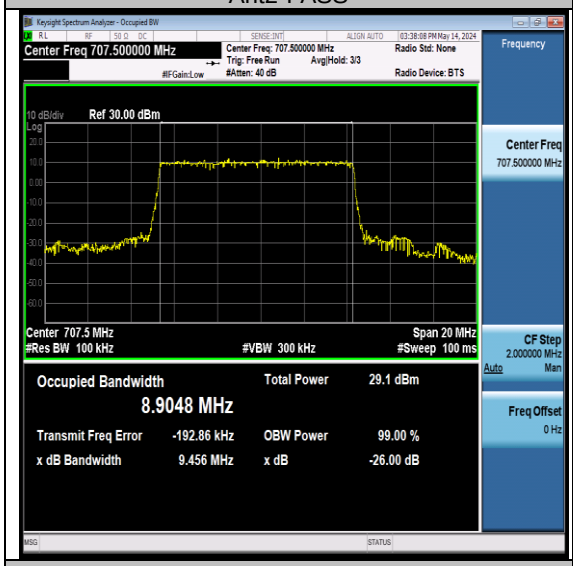
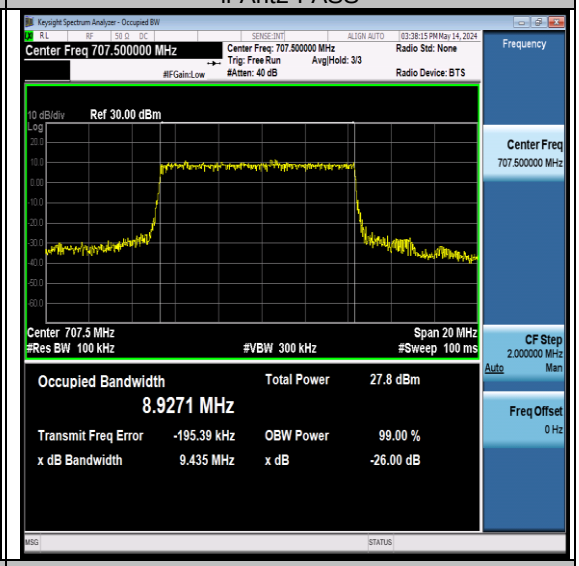


NTNV-N12-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant2-PASS



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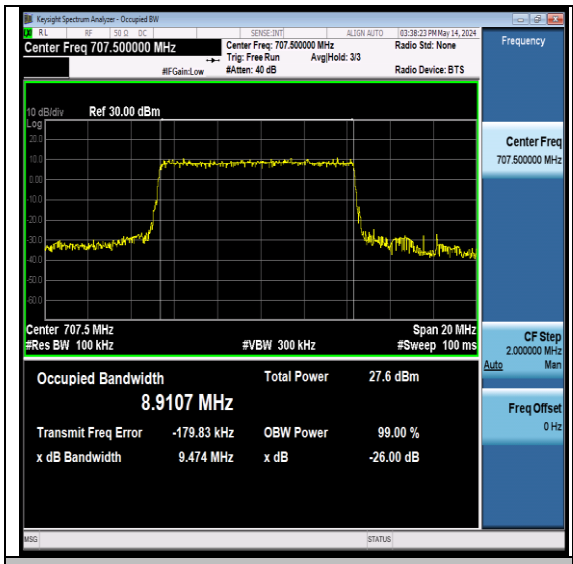
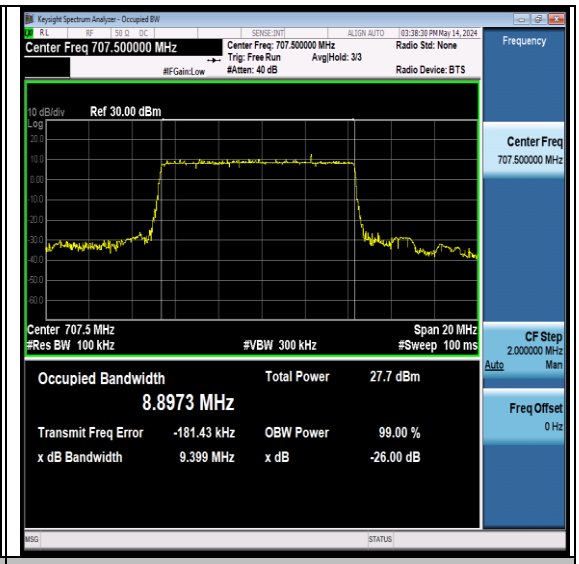
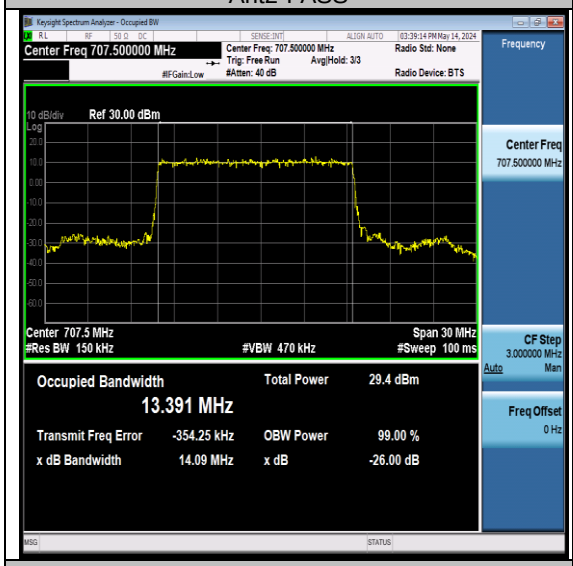


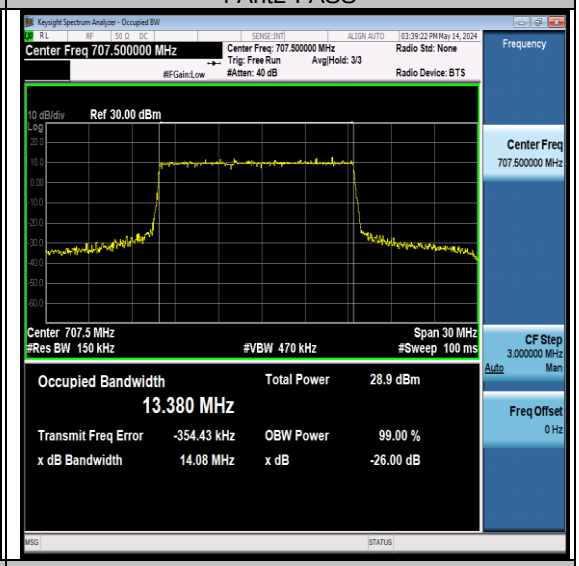
NTNV-N12-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant2-PASS



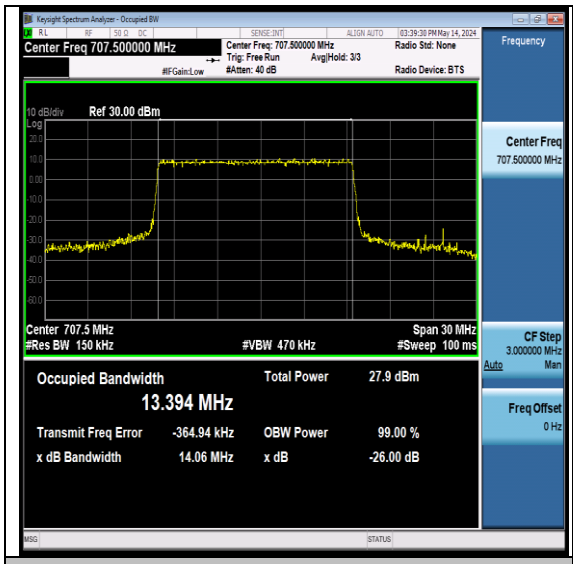
NTNV-N12-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant2-PASS



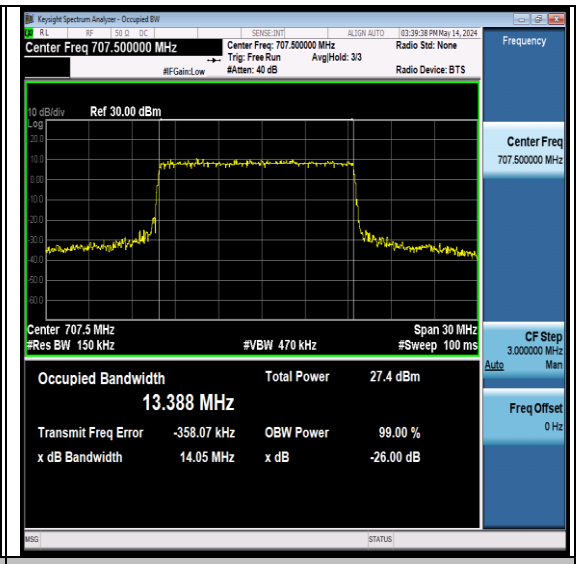
NTNV-N12-PC3-15-15-M-DFT-PI2BPSK-Outer_Full-Ant2-PASS



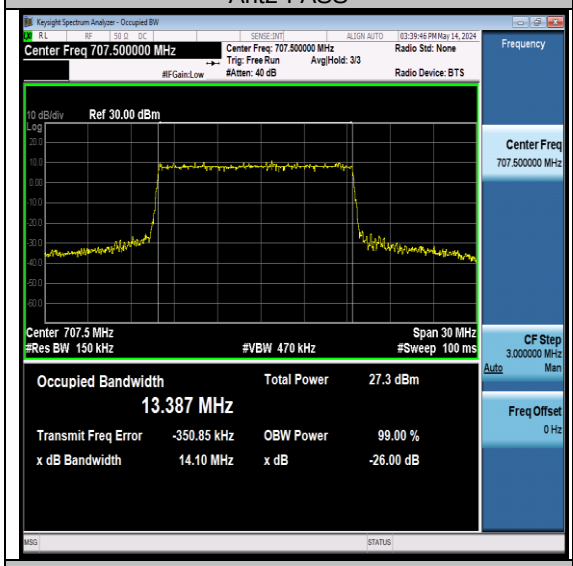
NTNV-N12-PC3-15-15-M-DFT-QPSK-Outer_Full-Ant2-PASS



NTNV-N12-PC3-15-15-M-DFT-16QAM-Outer_Full-Ant2-PASS



NTNV-N12-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant2-PASS

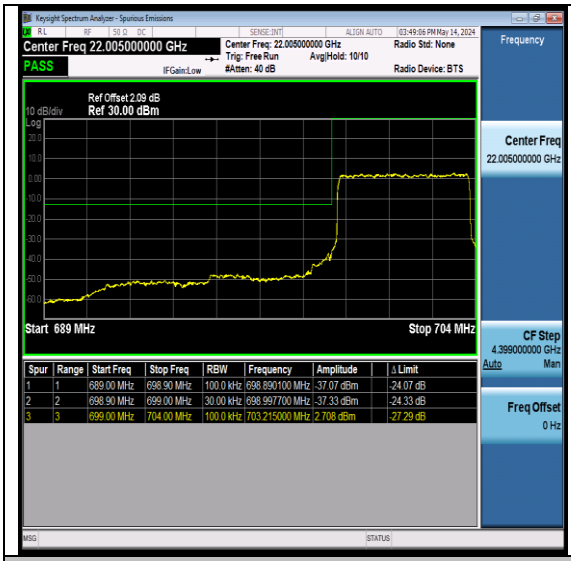


NTNV-N12-PC3-15-15-M-DFT-256QAM-Outer_Full-Ant2-PASS

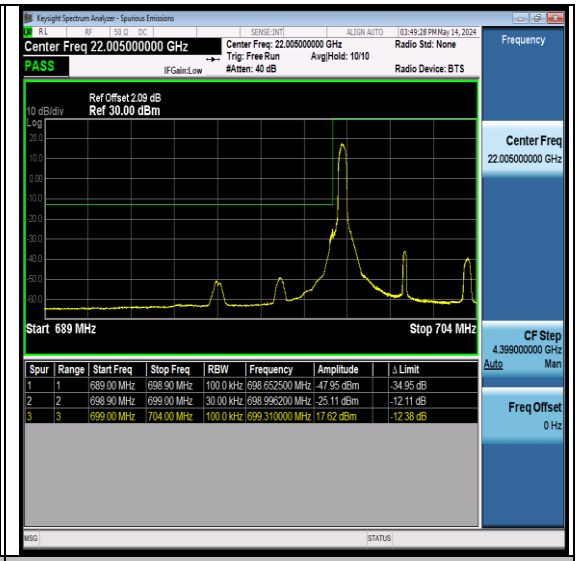
BAND EDGE FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N12	15	5	DFT-QPSK	L	Outer_Full	-37.07	PASS
N12	15	5	DFT-QPSK	L	Edge_1RB_Left	-25.11	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	-35.49	PASS
N12	15	5	DFT-QPSK	H	Edge_1RB_Right	-26.13	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	-39.15	PASS
N12	15	10	DFT-QPSK	L	Edge_1RB_Left	-26.70	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	-41.10	PASS
N12	15	10	DFT-QPSK	H	Edge_1RB_Right	-27.99	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	-37.18	PASS
N12	15	15	DFT-QPSK	L	Edge_1RB_Left	-30.13	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	-41.42	PASS
N12	15	15	DFT-QPSK	H	Edge_1RB_Right	-31.30	PASS

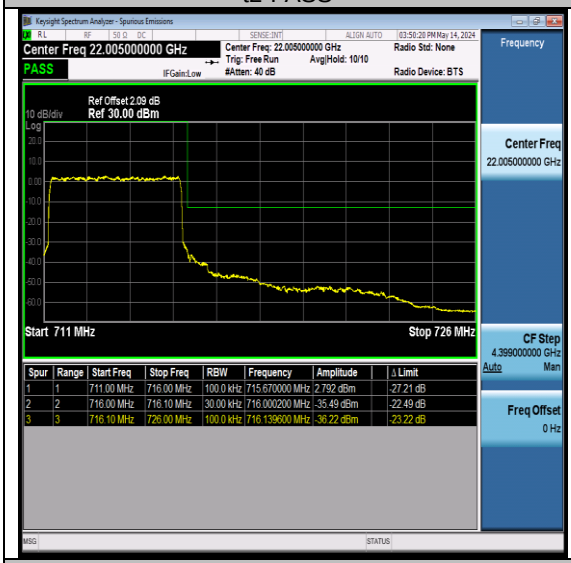
TEST GRAPHS



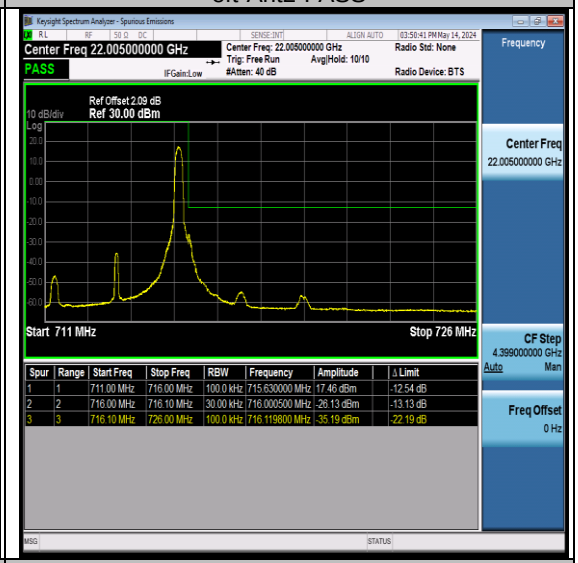
NTNV-N12-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant2-PASS



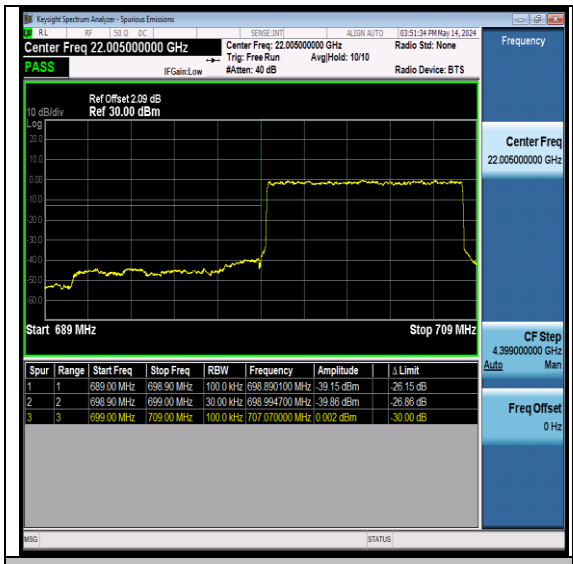
NTNV-N12-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



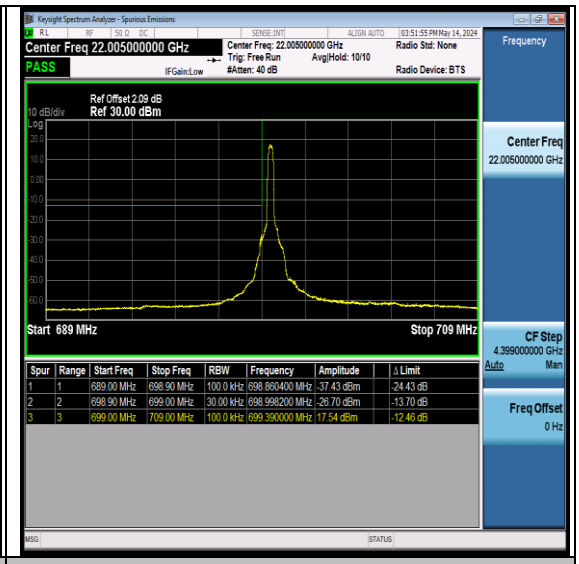
NTNV-N12-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant2-PASS



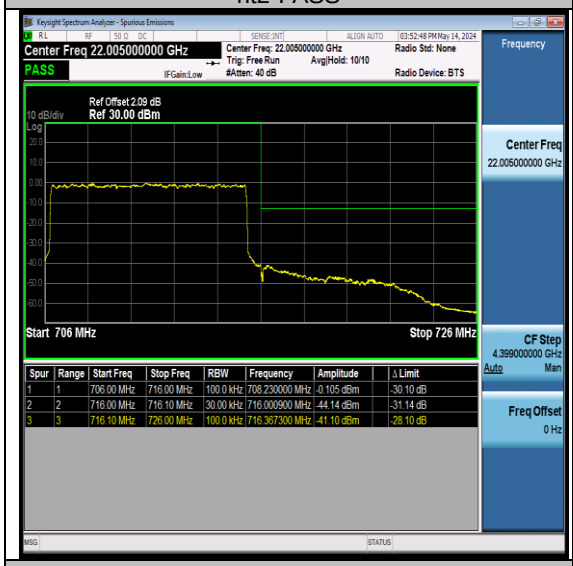
NTNV-N12-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant2-PASS



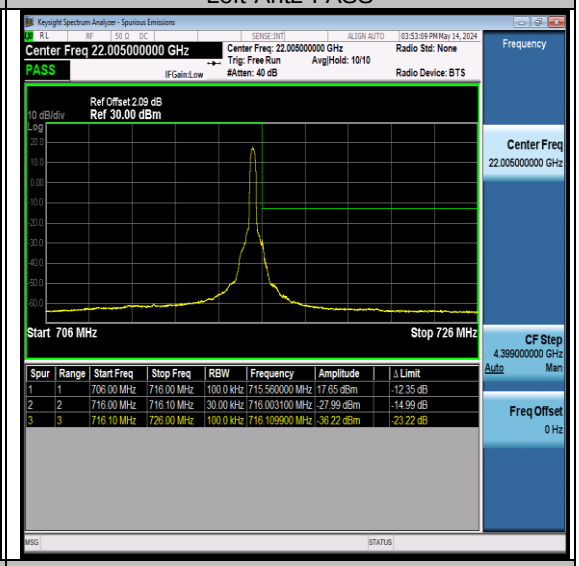
NTNV-N12-PC3-15-10-L-DFT-QPSK-Outer_Full-Ant2-PASS



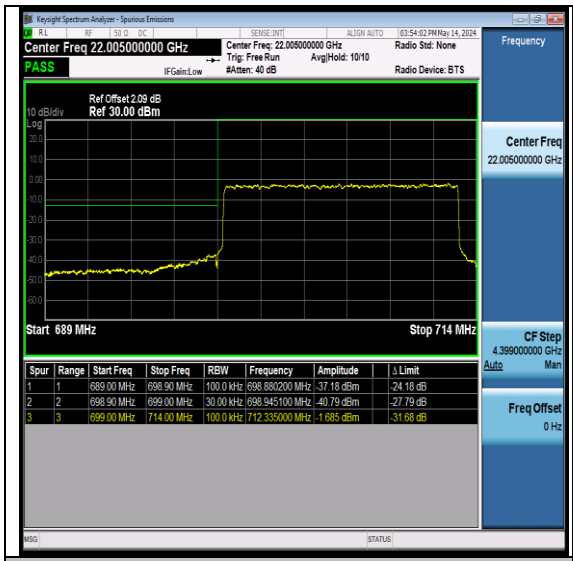
NTNV-N12-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



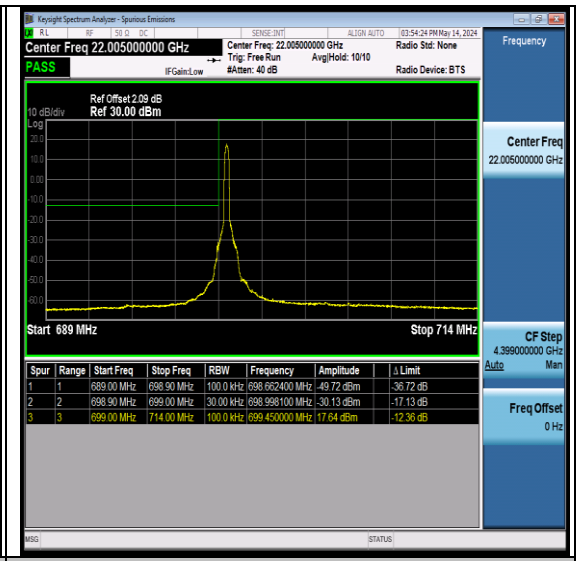
NTNV-N12-PC3-15-10-H-DFT-QPSK-Outer_Full-Ant2-PASS



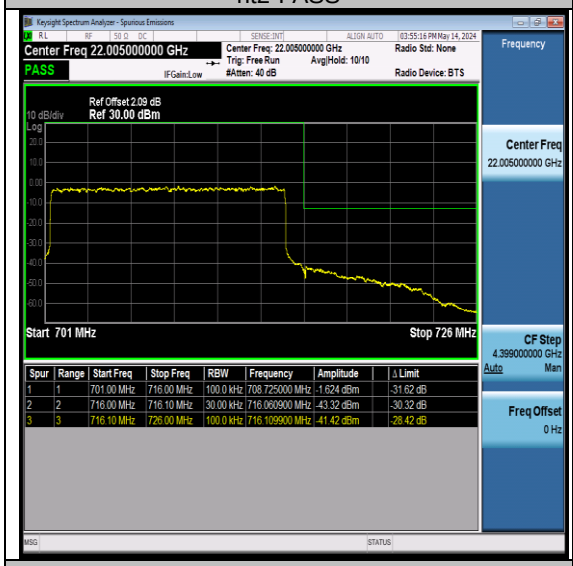
NTNV-N12-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-Ant2-PASS



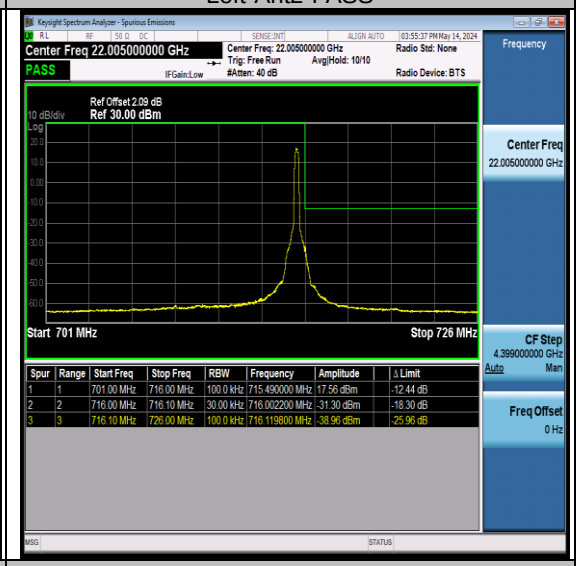
NTNV-N12-PC3-15-15-L-DFT-QPSK-Outer_Full-Ant2-PASS



NTNV-N12-PC3-15-15-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N12-PC3-15-15-H-DFT-QPSK-Outer_Full-Ant2-PASS

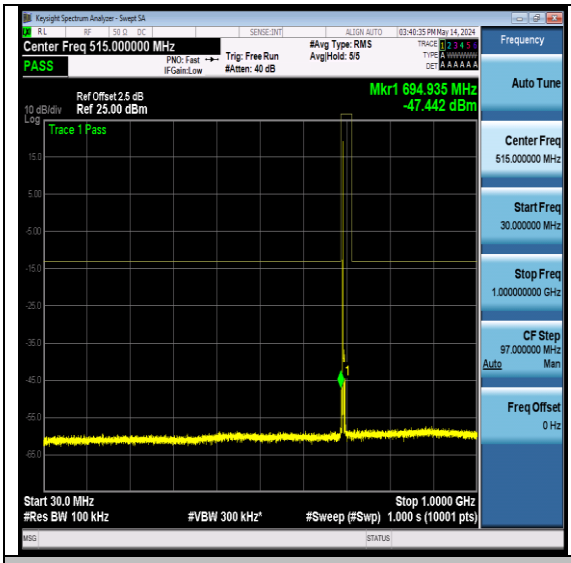


NTNV-N12-PC3-15-15-H-DFT-QPSK-Edge_1RB_Right-Ant2-PASS

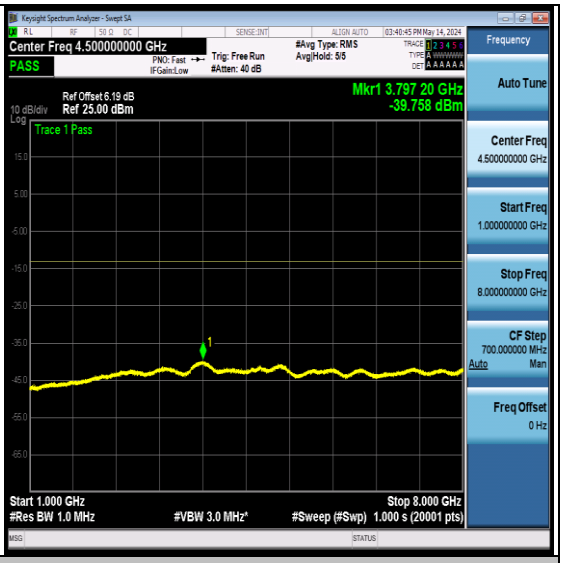
CONDUCTED SPURIOUS EMISSION FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N12	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-47.44	-13	PASS
N12	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	8000	-39.76	-13	PASS
N12	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.52	-13	PASS
N12	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	8000	-39.71	-13	PASS
N12	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.73	-13	PASS
N12	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	8000	-39.78	-13	PASS
N12	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.53	-13	PASS
N12	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	8000	-39.51	-13	PASS
N12	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.56	-13	PASS
N12	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	8000	-39.91	-13	PASS
N12	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.58	-13	PASS
N12	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	8000	-39.90	-13	PASS
N12	15	15	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.69	-13	PASS
N12	15	15	DFT-QPSK	L	Edge_1RB_Left	1000	8000	-39.80	-13	PASS
N12	15	15	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.51	-13	PASS
N12	15	15	DFT-QPSK	M	Edge_1RB_Left	1000	8000	-39.72	-13	PASS
N12	15	15	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.45	-13	PASS
N12	15	15	DFT-QPSK	H	Edge_1RB_Left	1000	8000	-39.91	-13	PASS

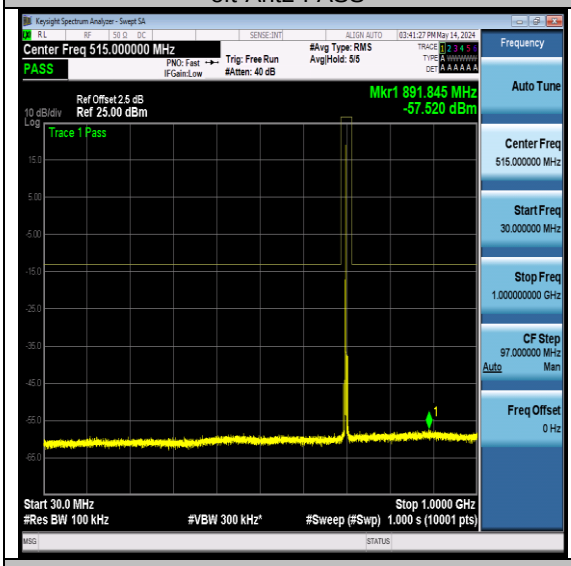
TEST GRAPHS



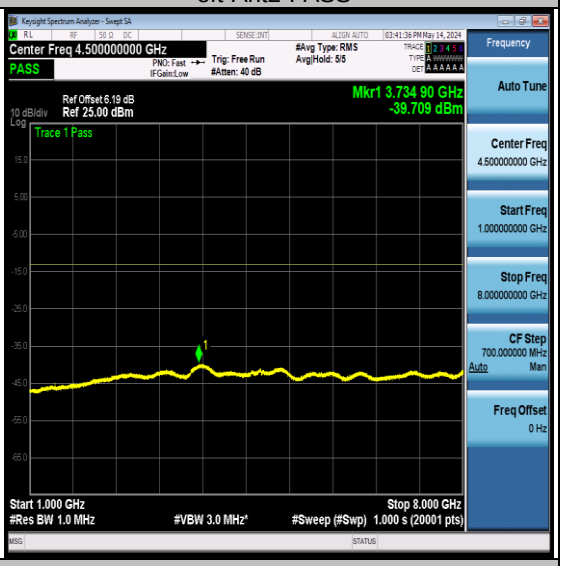
NTNV-N12-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



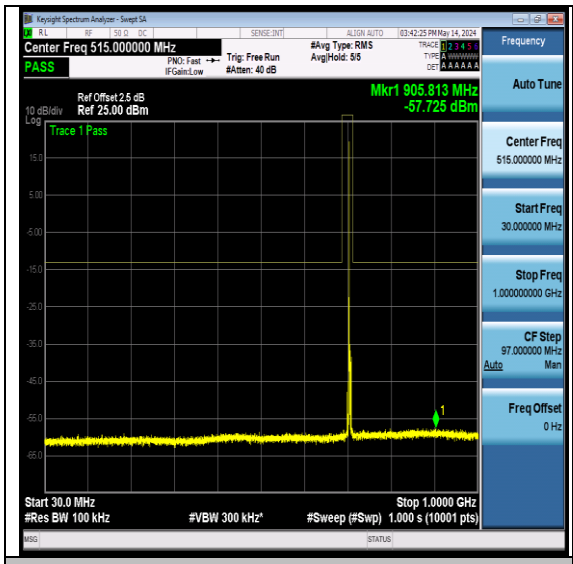
NTNV-N12-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N12-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant2-PASS

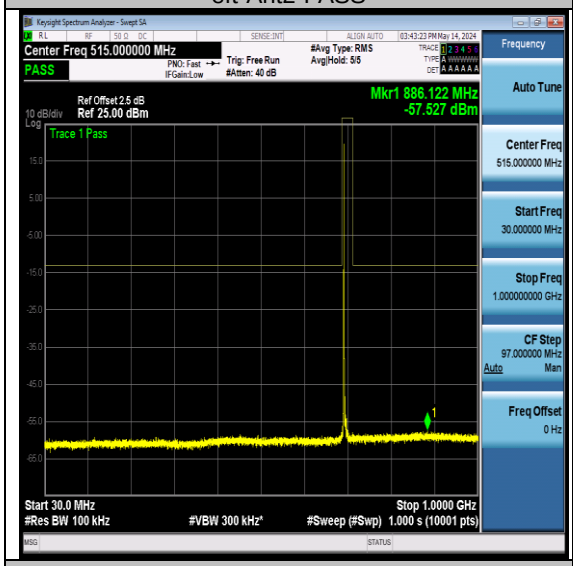


NTNV-N12-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



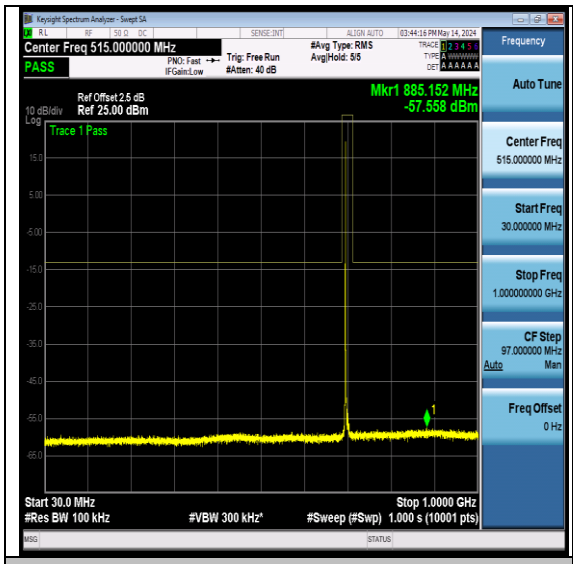
NTNV-N12-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant2-PASS

NTNV-N12-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N12-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS

NTNV-N12-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS

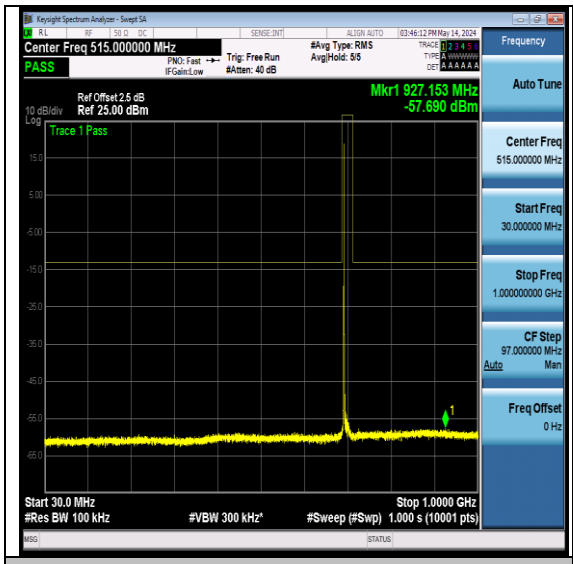


NTNV-N12-PC3-15-10-M-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS

NTNV-N12-PC3-15-10-M-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS

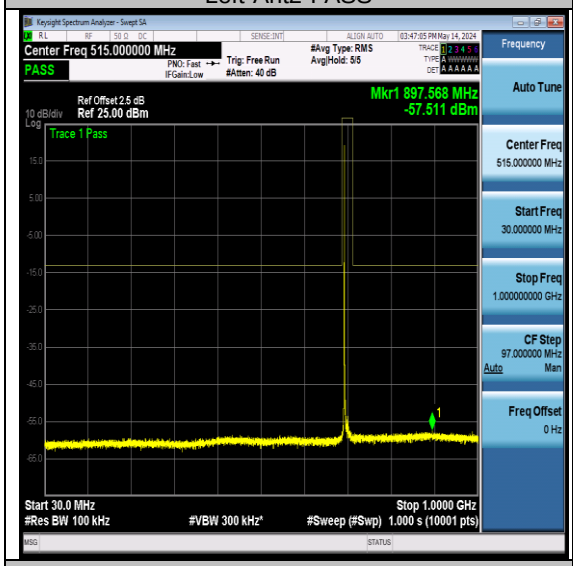
NTNV-N12-PC3-15-10-H-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS

NTNV-N12-PC3-15-10-H-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS



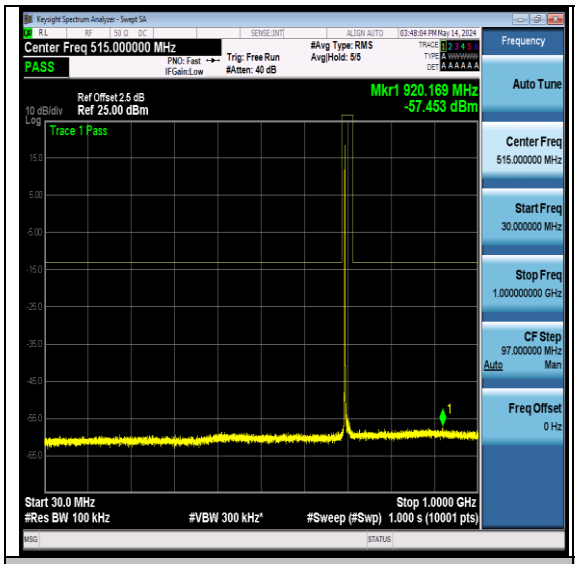
NTNV-N12-PC3-15-15-L-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS

NTNV-N12-PC3-15-15-L-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS



NTNV-N12-PC3-15-15-M-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS

NTNV-N12-PC3-15-15-M-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS

	
NTNV-N12-PC3-15-15-15-H-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS	NTNV-N12-PC3-15-15-15-H-DFT-QPSK-Edge_1RB_ Left-Ant2-PASS

FREQUENCY STABILITY FOR SA
TEST RESULT

Voltage													
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limited (MHz)	Verdict
N12	15	15	DFT-QPSK	L	Outer_Full	VL	NT	5.00	0.007077	704.3270	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	VN	NT	19.00	0.026893	704.3277	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	VH	NT	6.00	0.008493	704.3813	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	-30	6.00	0.008493	704.4865	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	-20	17.00	0.024062	704.4380	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	-10	11.00	0.015570	704.2165	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	0	12.00	0.016985	704.4510	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	10	3.00	0.004246	704.5435	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	20	15.00	0.021231	704.4813	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	30	16.00	0.022647	704.5493	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	40	11.00	0.015570	704.2906	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	50	2.00	0.002831	704.2398	---	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	VL	NT	11.00	0.015526	---	715.6697	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	VN	NT	13.00	0.018349	---	715.6368	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	VH	NT	5.00	0.007057	---	715.6898	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	-30	15.00	0.021171	---	715.6548	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	-20	4.00	0.005646	---	715.7406	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	-10	14.00	0.019760	---	715.7497	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	0	6.00	0.008469	---	715.6722	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	10	8.00	0.011291	---	715.7149	699-716	PASS

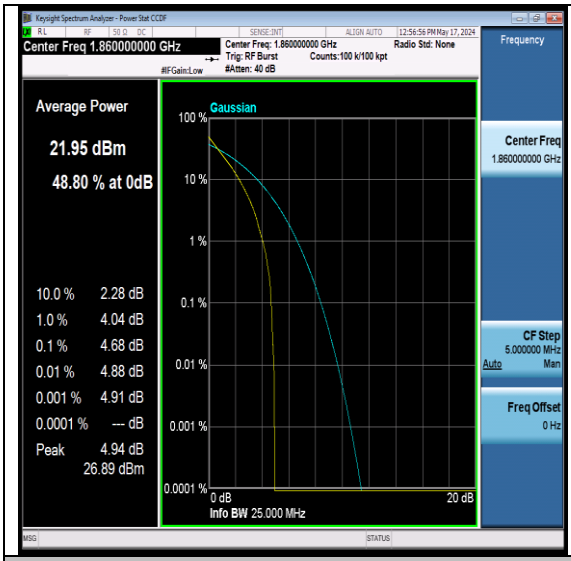
N12	15	15	DFT-QPSK	H	Outer_Full	NV	20	18.00	0.025406	---	715.6483	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	30	17.00	0.023994	---	715.6902	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	40	8.00	0.011291	---	715.6795	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	50	19.00	0.026817	---	715.6475	699-716	PASS

N25
PEAK-TO-AVERAGE RATIO(CCDF)

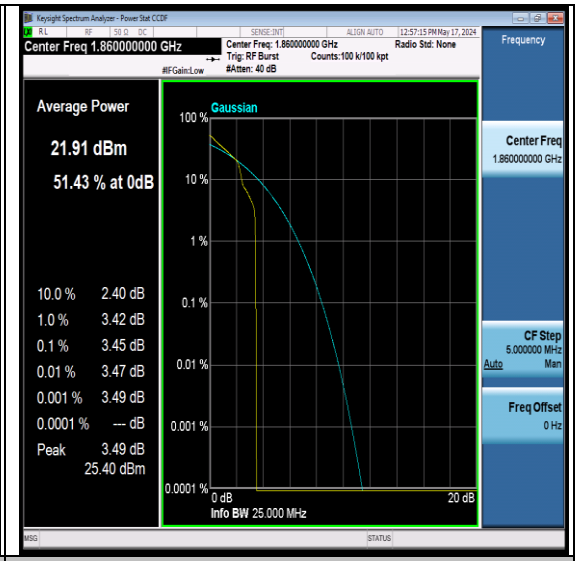
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N25	15	20	DFT-QPSK	L	Outer_Full	4.68	≤13	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	3.45	≤13	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	4.66	≤13	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	3.96	≤13	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	5.11	≤13	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	4.29	≤13	PASS

TEST GRAPHS

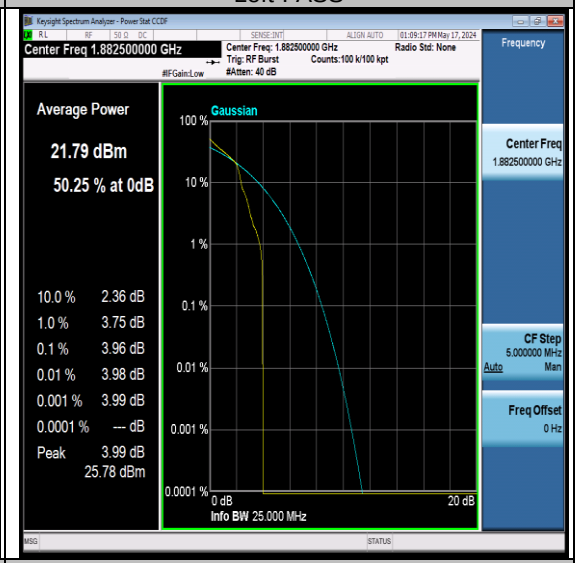


NTNV-N25-PC3-15-20-L-DFT-QPSK-Outer_Full-PASS

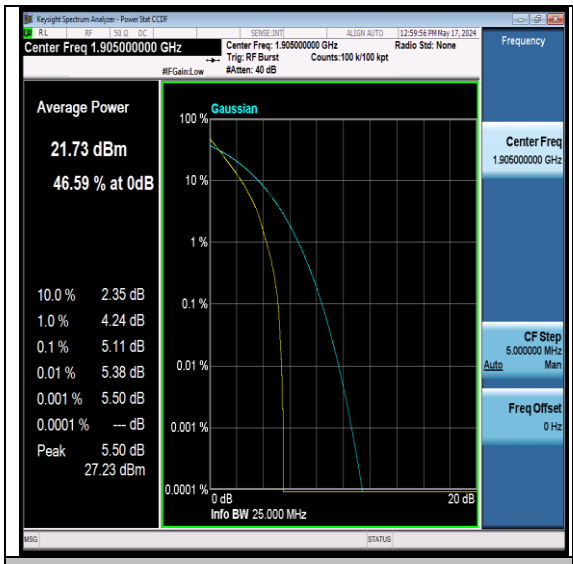


NTNV-N25-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-PASS

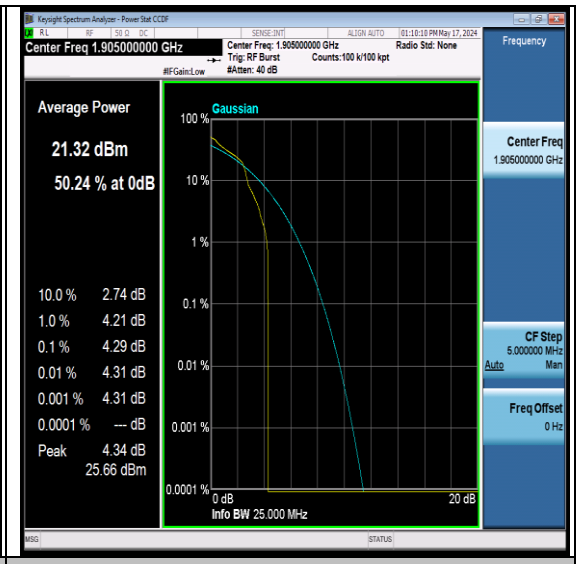
NTNV-N25-PC3-15-20-M-DFT-QPSK-Outer_Full-PASS



NTNV-N25-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N25-PC3-15-20-H-DFT-QPSK-Outer_Full-PASS



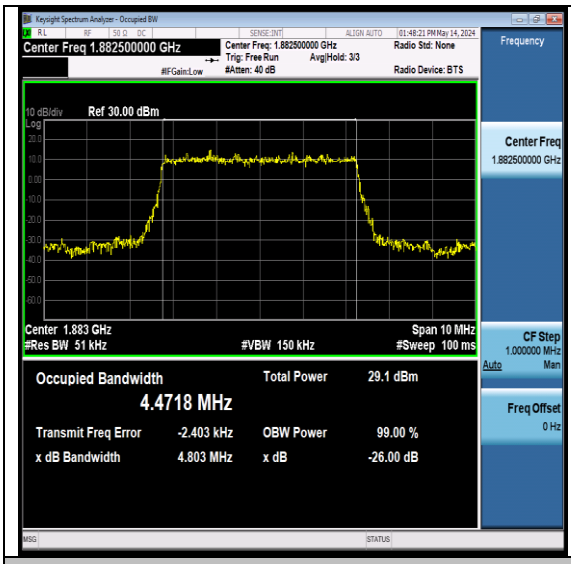
NTNV-N25-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

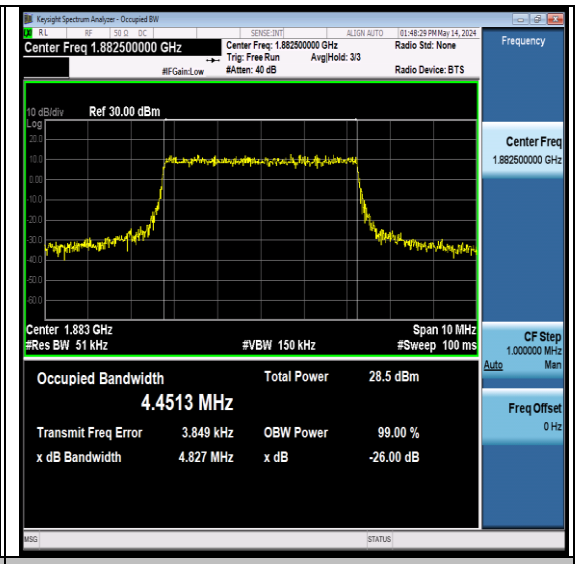
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	DFT-PI2BPSK	M	Outer_Full	4.4718	4.803	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.4513	4.827	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.4659	4.849	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.4783	4.820	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.4743	4.893	PASS
N25	15	10	DFT-PI2BPSK	M	Outer_Full	8.9007	9.423	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.9129	9.452	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.9084	9.402	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	8.9156	9.542	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	8.9157	9.452	PASS
N25	15	15	DFT-PI2BPSK	M	Outer_Full	13.377	14.06	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.368	14.03	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.393	14.12	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.387	14.06	PASS
N25	15	15	DFT-256QAM	M	Outer_Full	13.392	14.00	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	17.824	18.58	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.856	18.71	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.910	18.59	PASS
N25	15	20	DFT-64QAM	M	Outer_Full	17.884	18.69	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.863	18.66	PASS
N25	15	25	DFT-PI2BPSK	M	Outer_Full	22.824	23.72	PASS
N25	15	25	DFT-QPSK	M	Outer_Full	22.892	23.78	PASS
N25	15	25	DFT-16QAM	M	Outer_Full	22.834	23.80	PASS
N25	15	25	DFT-64QAM	M	Outer_Full	22.860	23.78	PASS
N25	15	25	DFT-256QAM	M	Outer_Full	22.847	23.78	PASS
N25	15	30	DFT-PI2BPSK	M	Outer_Full	28.545	29.60	PASS
N25	15	30	DFT-QPSK	M	Outer_Full	28.578	29.56	PASS
N25	15	30	DFT-16QAM	M	Outer_Full	28.510	29.57	PASS
N25	15	30	DFT-64QAM	M	Outer_Full	28.505	29.58	PASS
N25	15	30	DFT-256QAM	M	Outer_Full	28.524	29.55	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	38.449	39.96	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	38.472	39.81	PASS
N25	15	40	DFT-16QAM	M	Outer_Full	38.390	39.85	PASS
N25	15	40	DFT-64QAM	M	Outer_Full	38.528	39.89	PASS
N25	15	40	DFT-256QAM	M	Outer_Full	38.410	39.97	PASS

TEST GRAPHS



NTNV-N25-PC3-15-5-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



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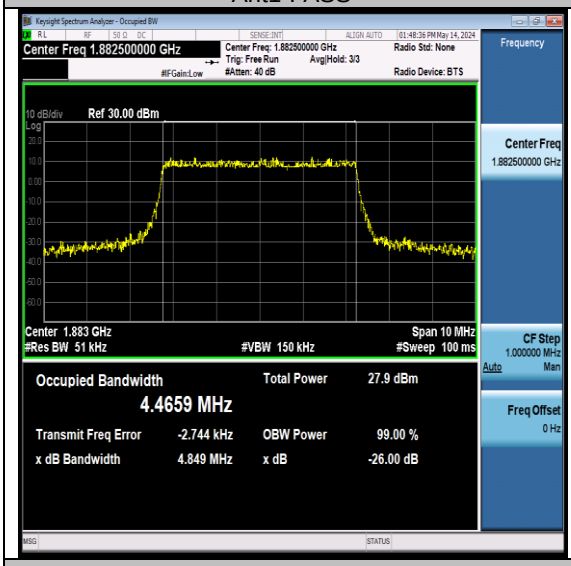

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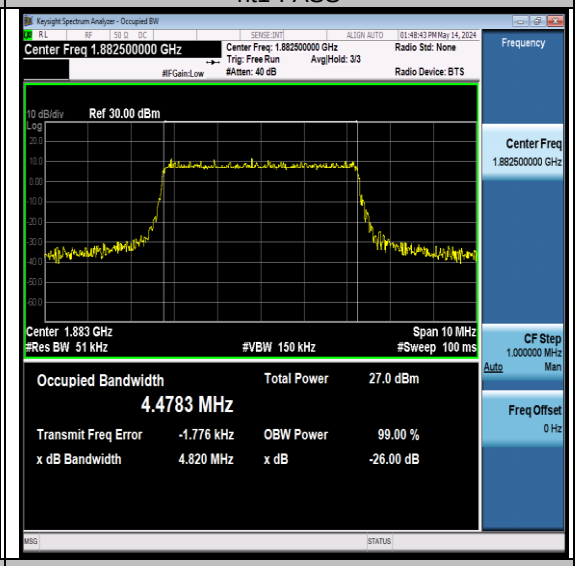

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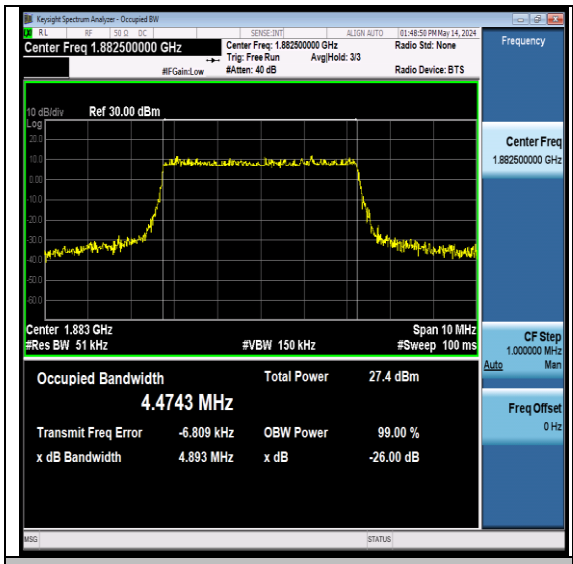

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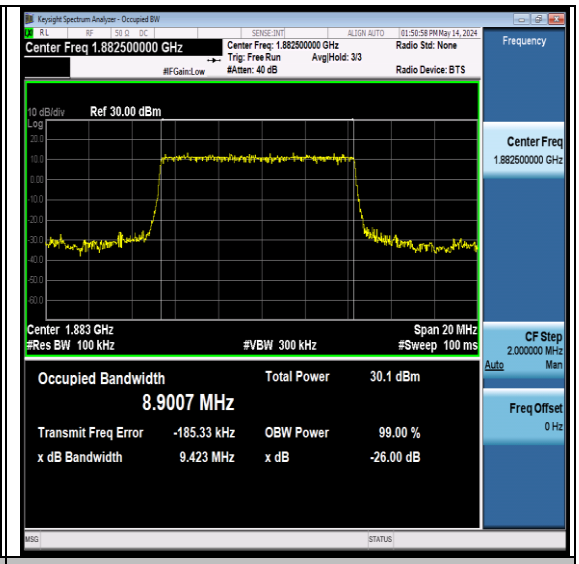

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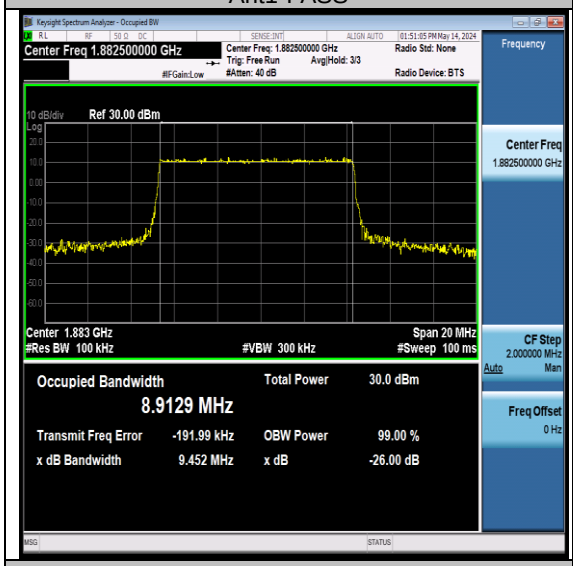

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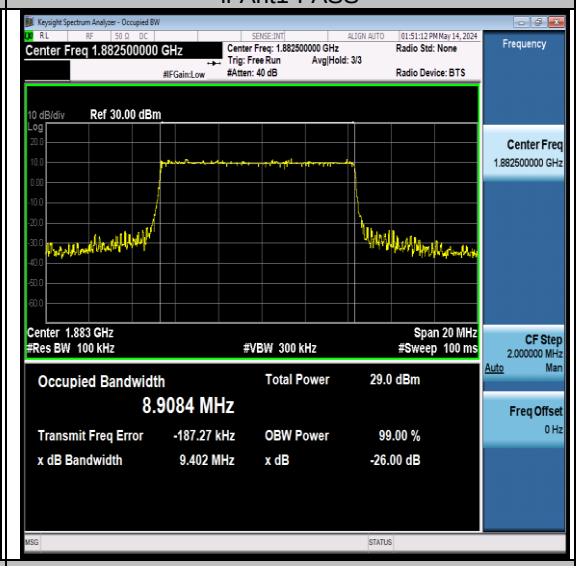

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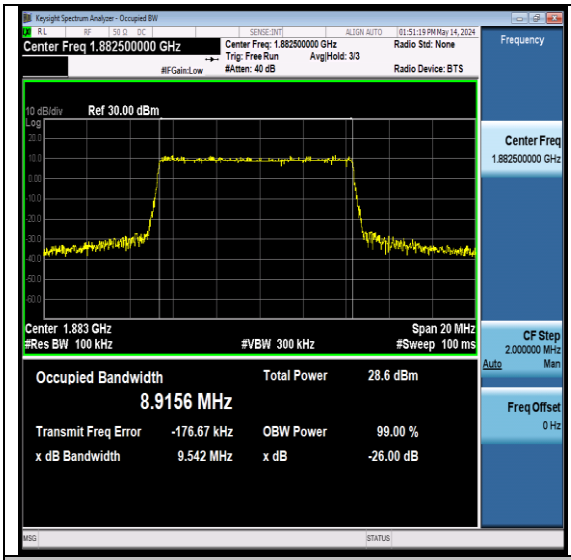

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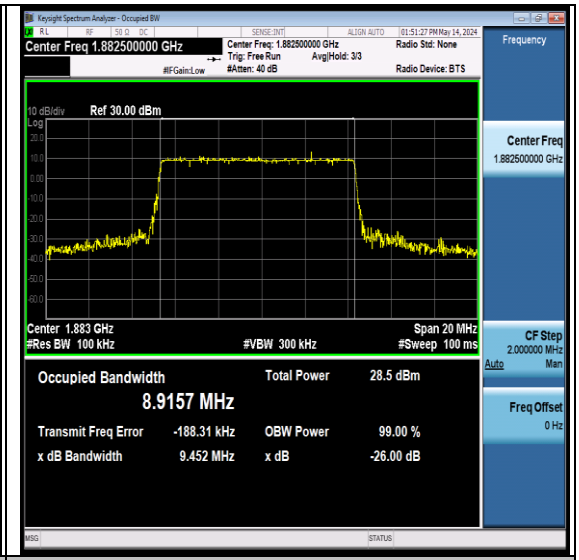

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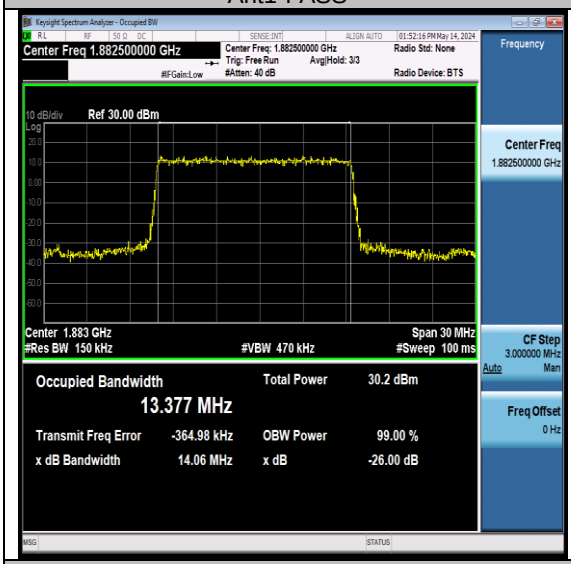

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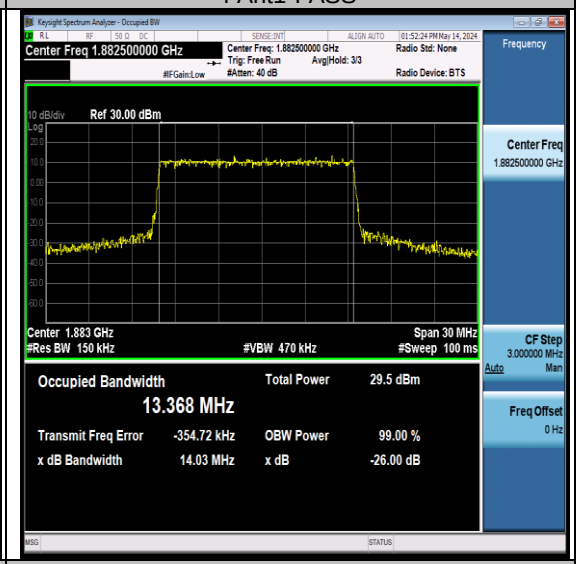

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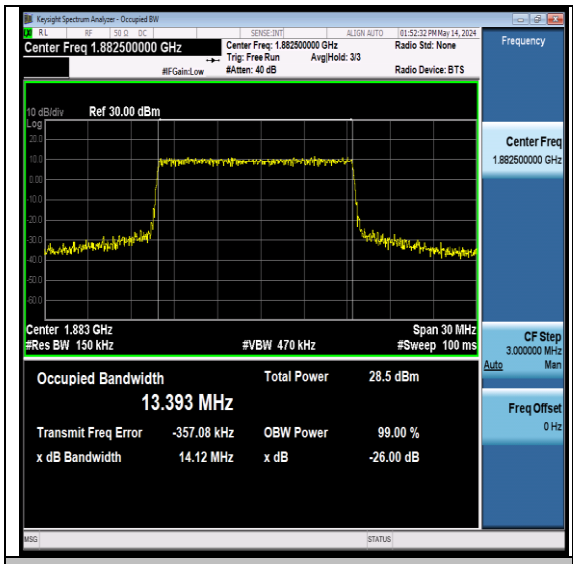

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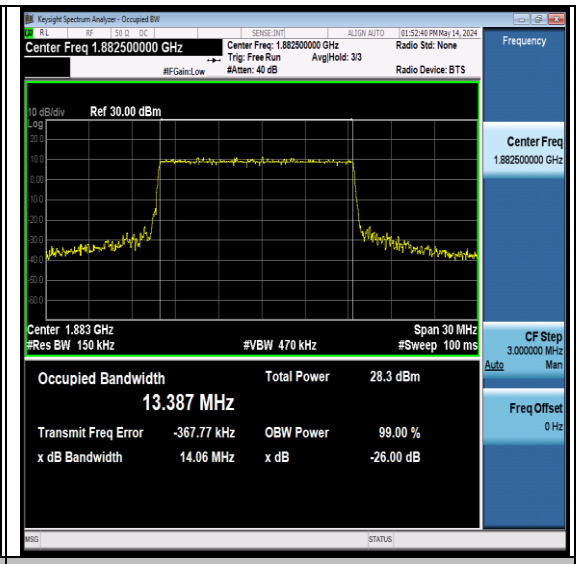

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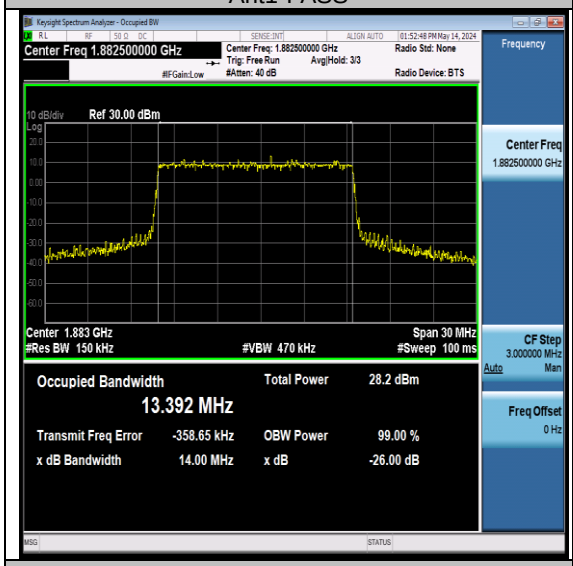

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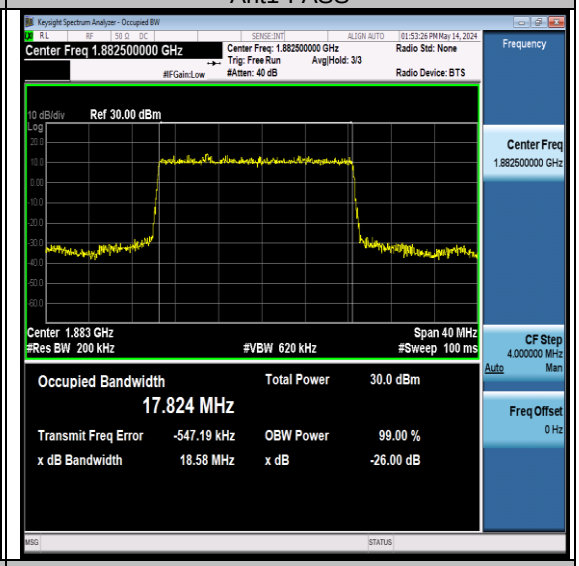

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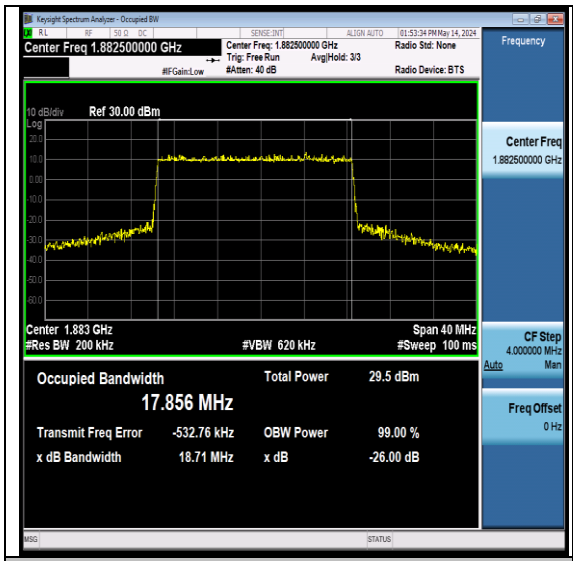

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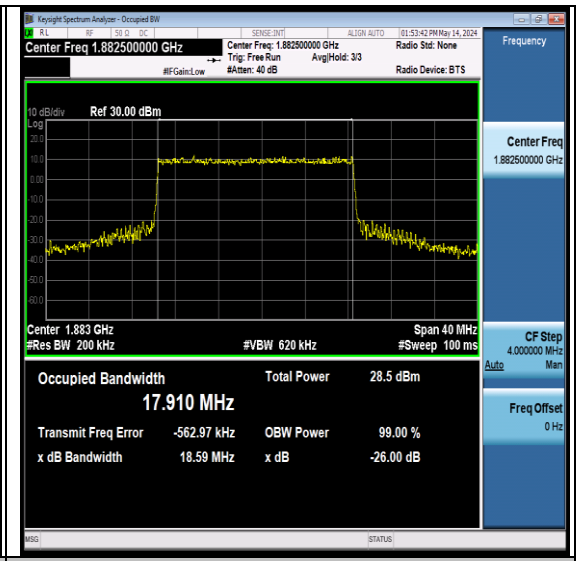

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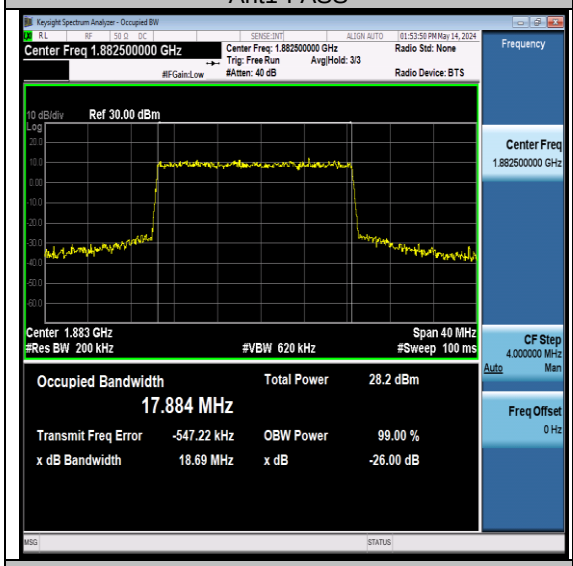

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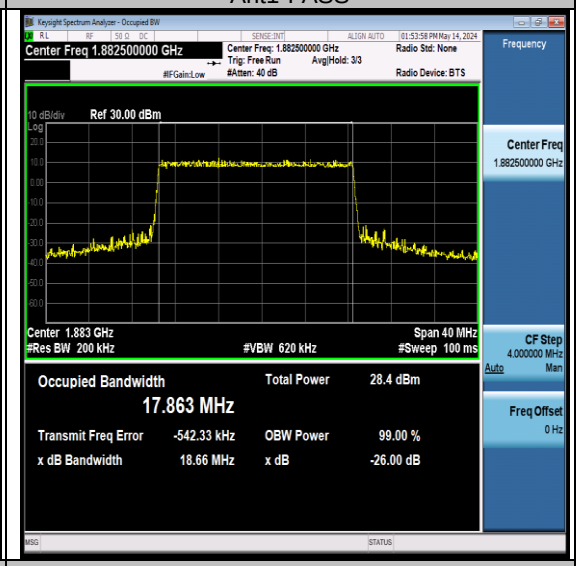

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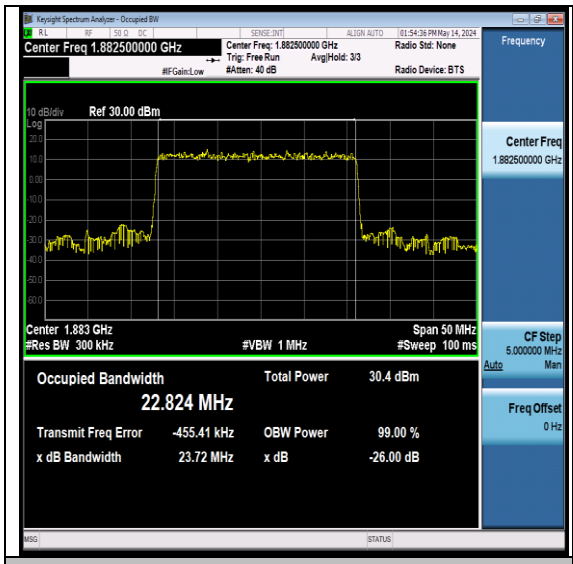

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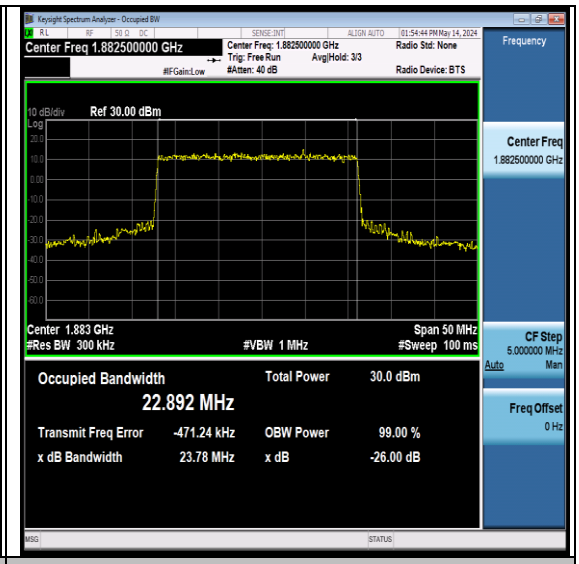

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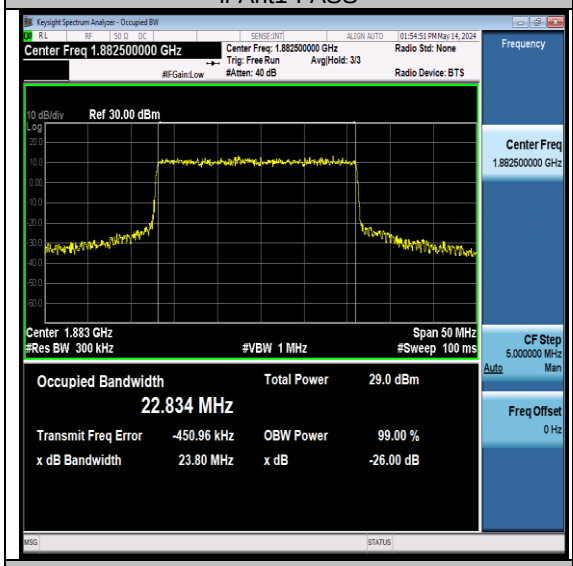

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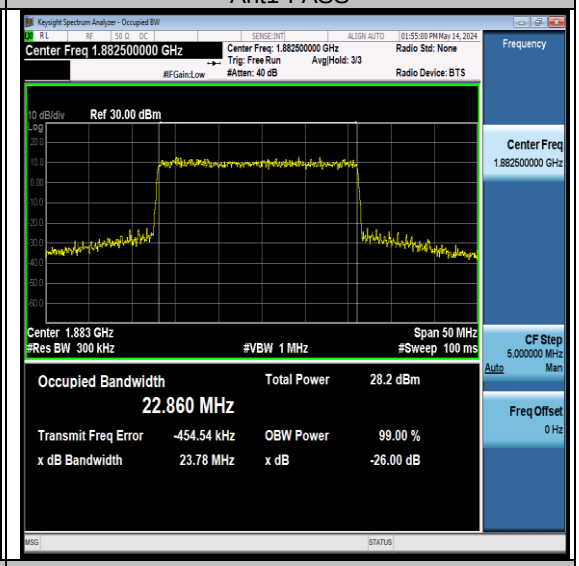

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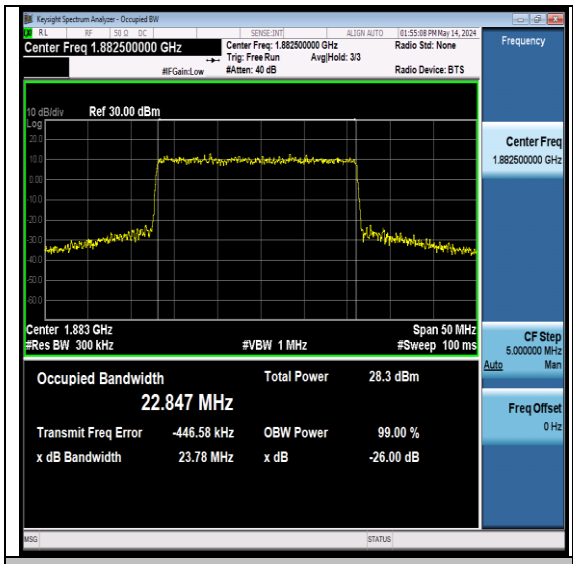

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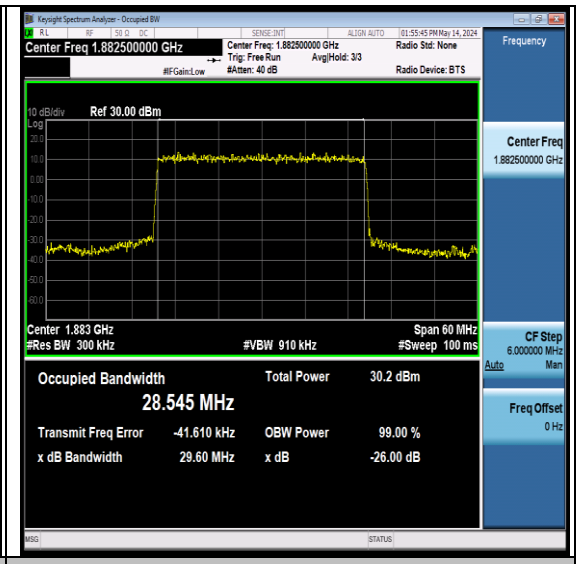

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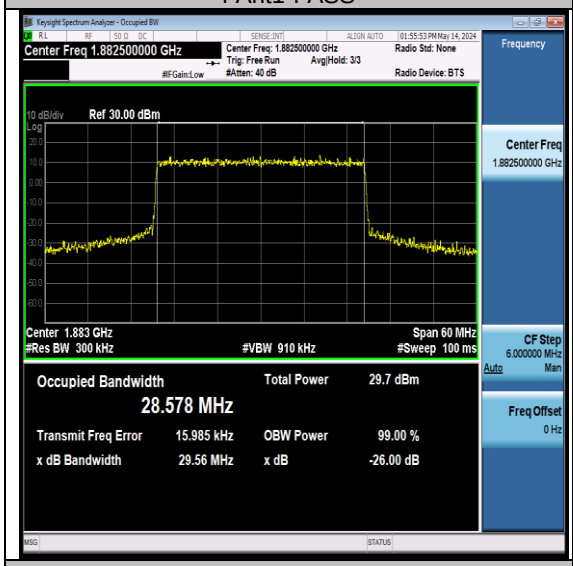

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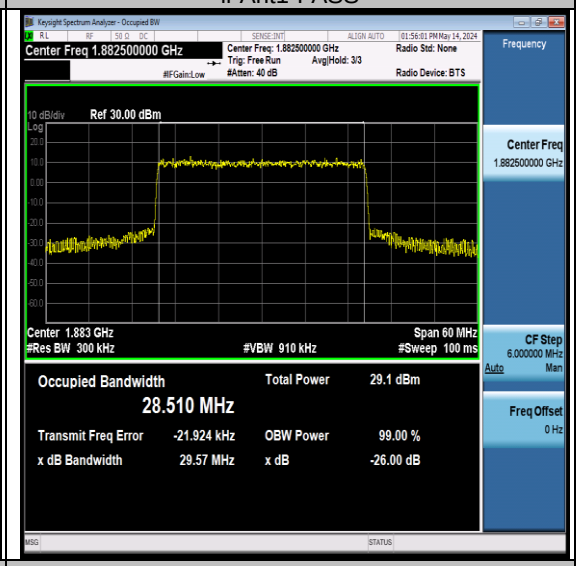

NTNV-N25-PC3-15-30-M-DFT-16QAM-Outer_Full-Ant1-PASS