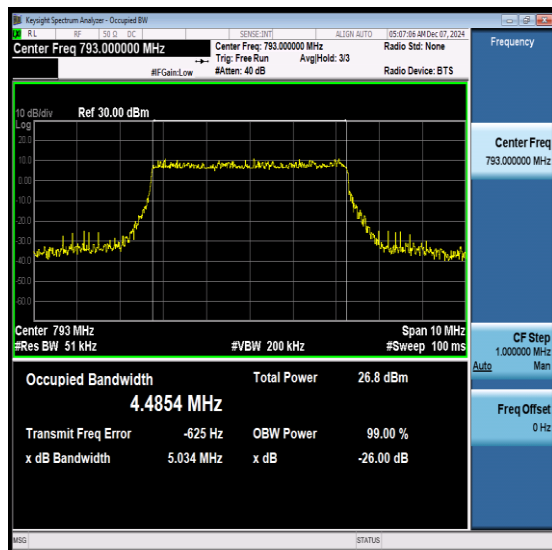
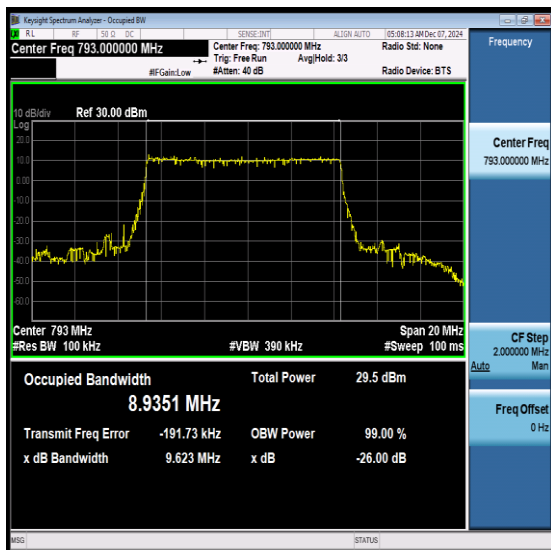
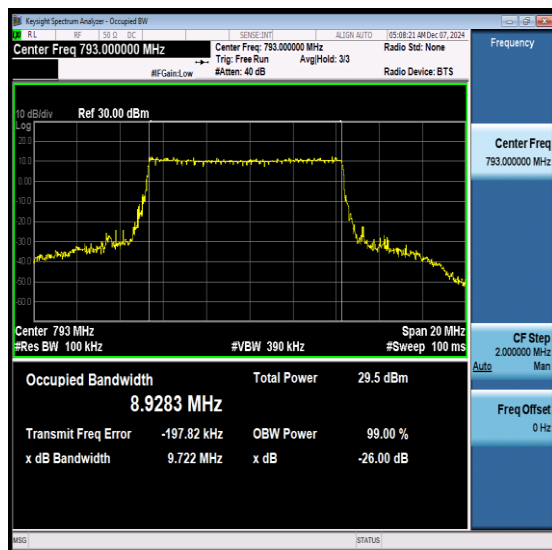




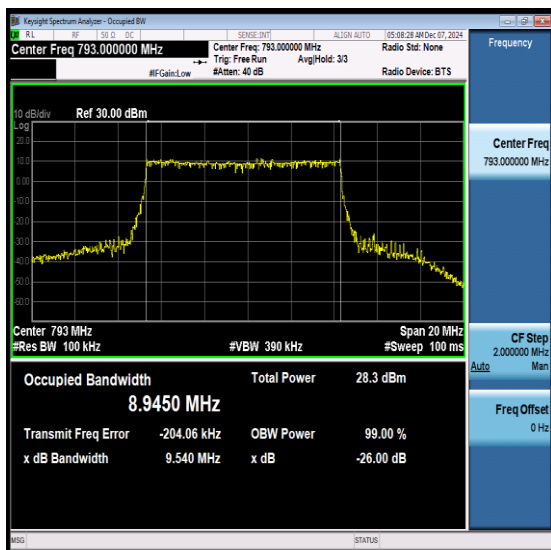
NTNV-N14-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-PASS



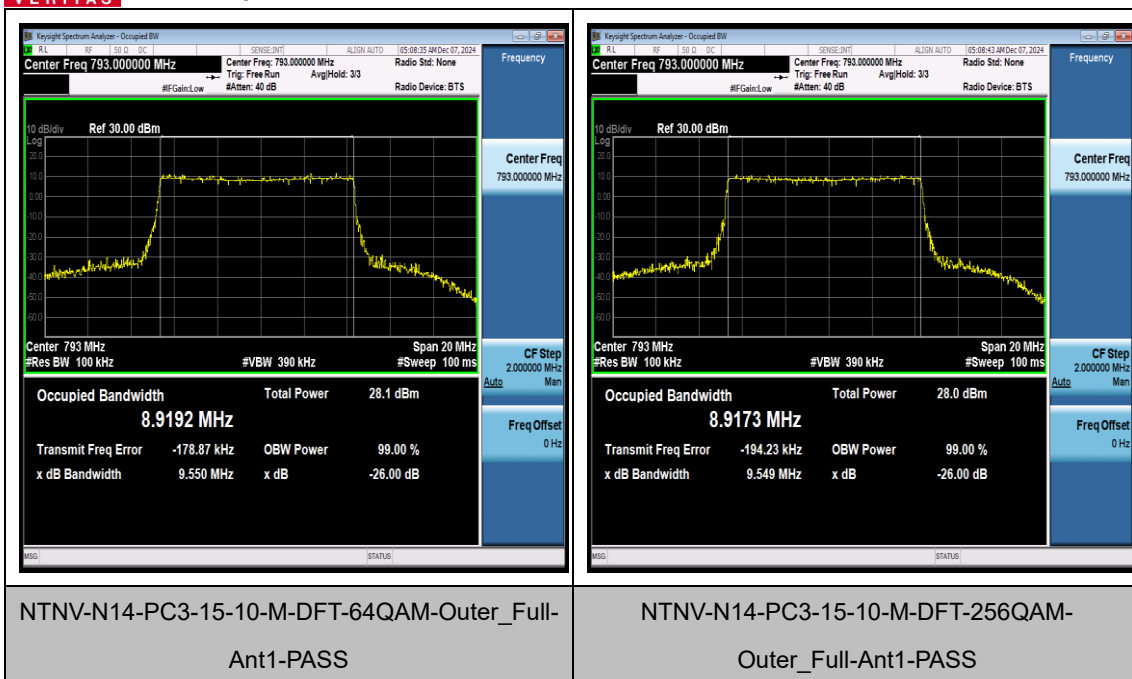
NTNV-N14-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



NTNV-N14-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N14-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant1-PASS





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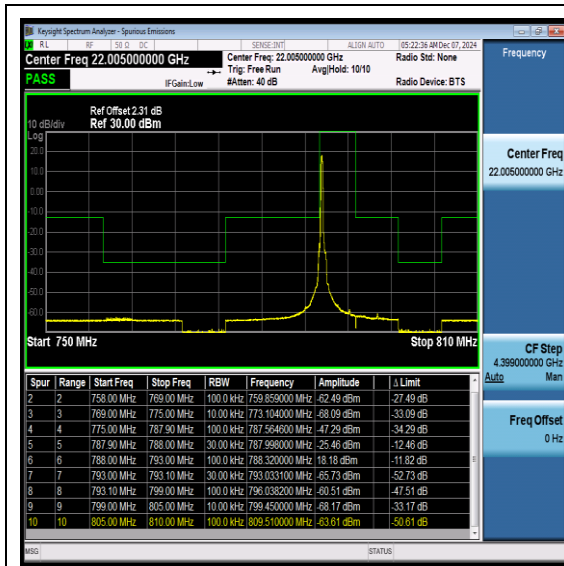
BAND EDGE FOR SA

TEST RESULT

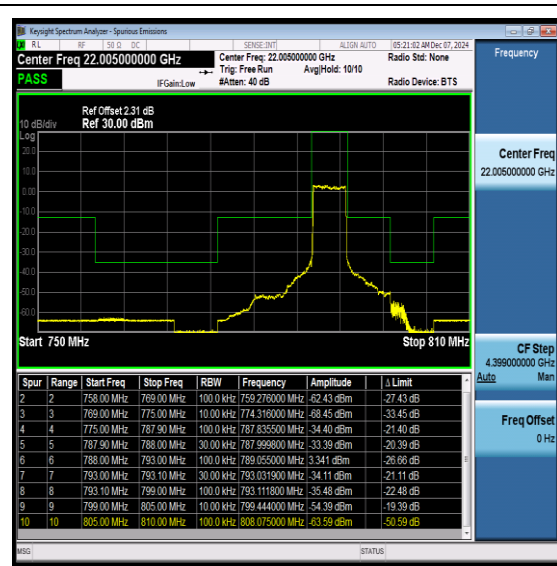
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	-25.46	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	-54.39	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Right	-24.95	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	-47.29	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	-28.03	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	-47.31	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Right	-27.21	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	-46.56	PASS



TEST GRAPHS



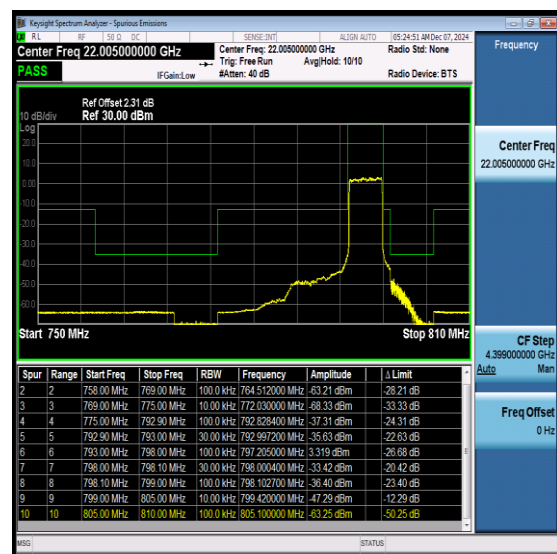
NTNV-N14-PC3-15-5-L-DFT-QPSK-
Edge_1RB_Left-Ant1-PASS



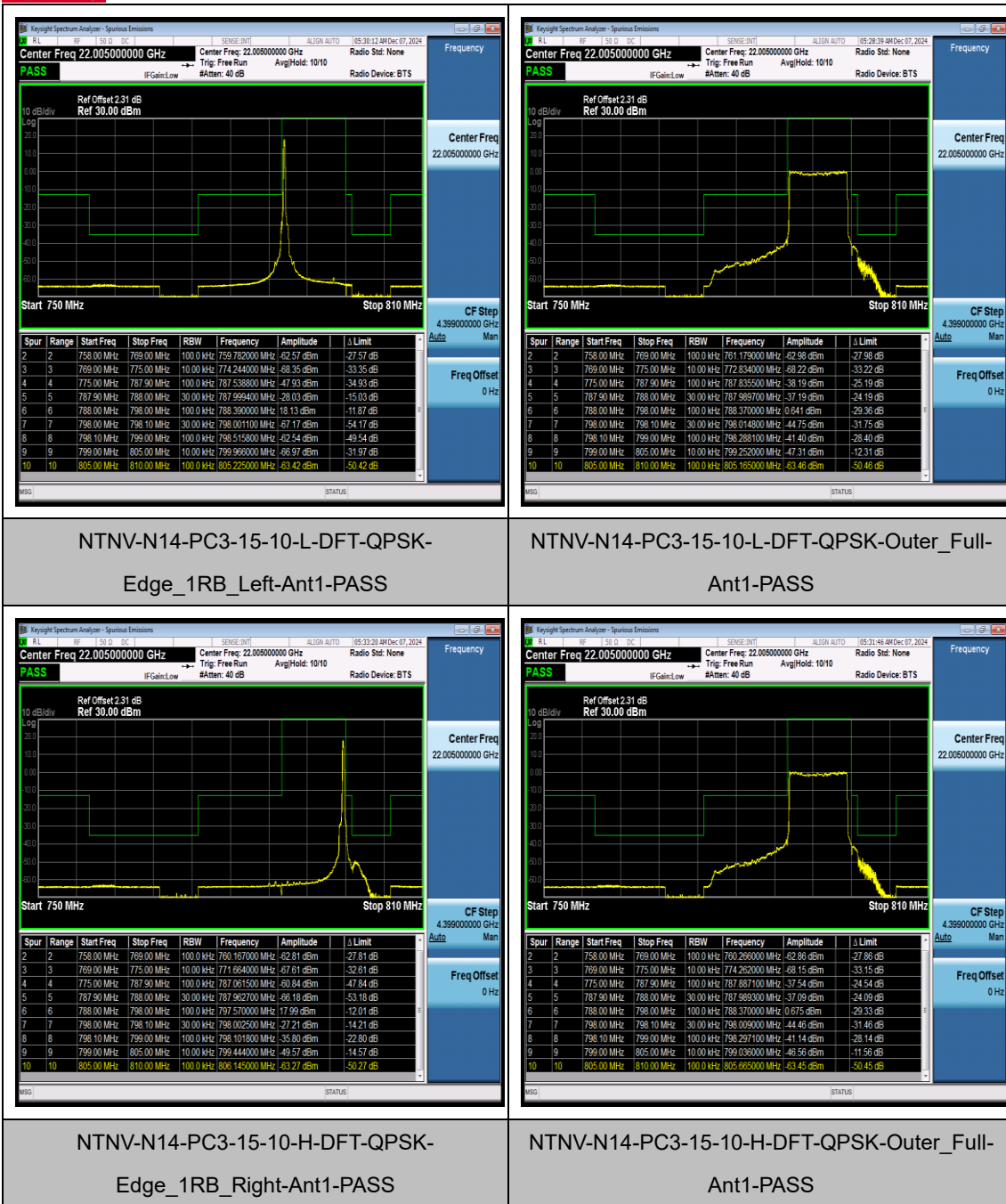
NTNV-N14-PC3-15-5-L-DFT-QPSK-Outer_Full-
Ant1-PASS



NTNV-N14-PC3-15-5-H-DFT-QPSK-
Edge_1RB_Right-Ant1-PASS



NTNV-N14-PC3-15-5-H-DFT-QPSK-Outer_Full-
Ant1-PASS





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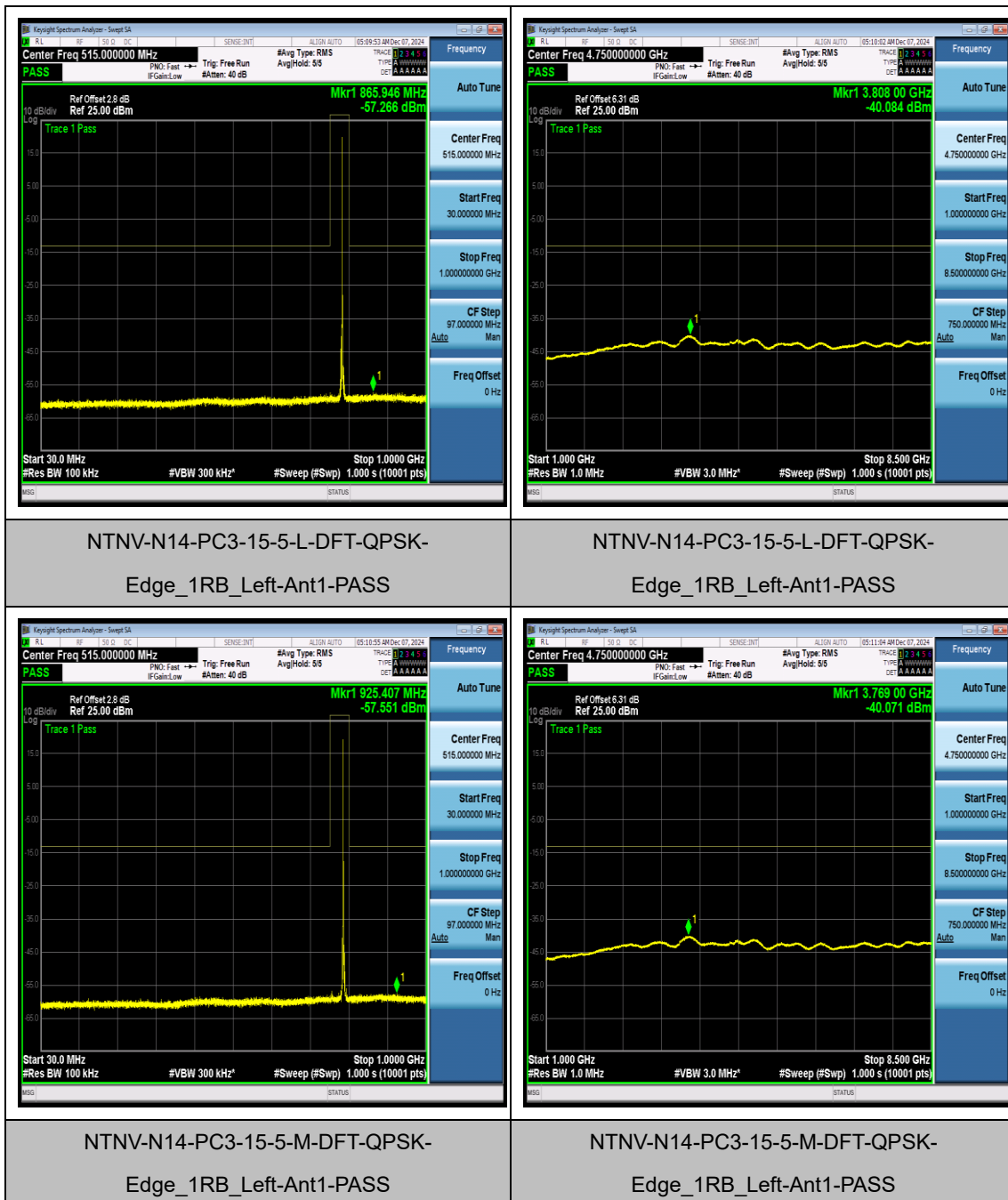
CONDUCTED SPURIOUS EMISSION FOR SA

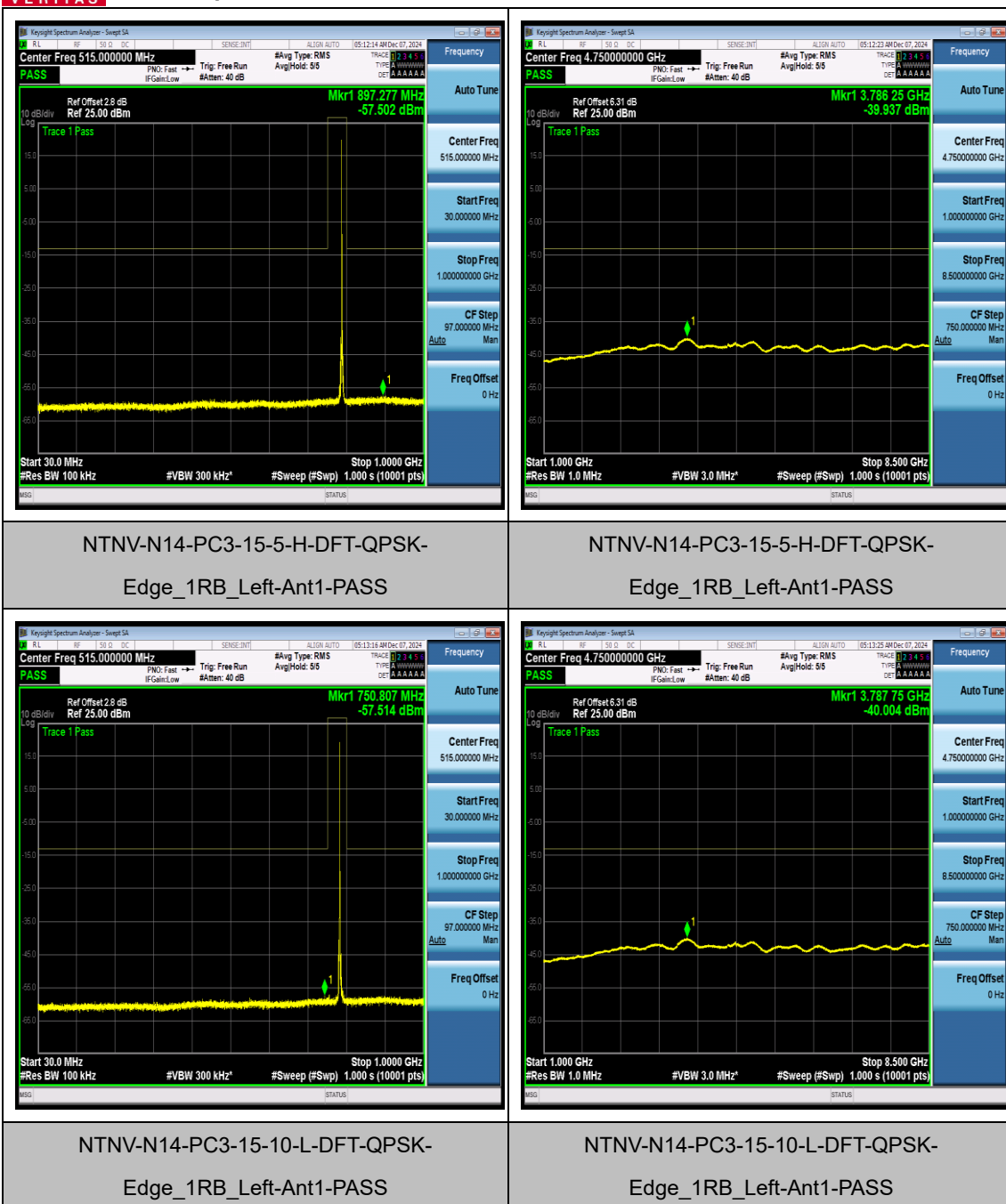
TEST RESULT

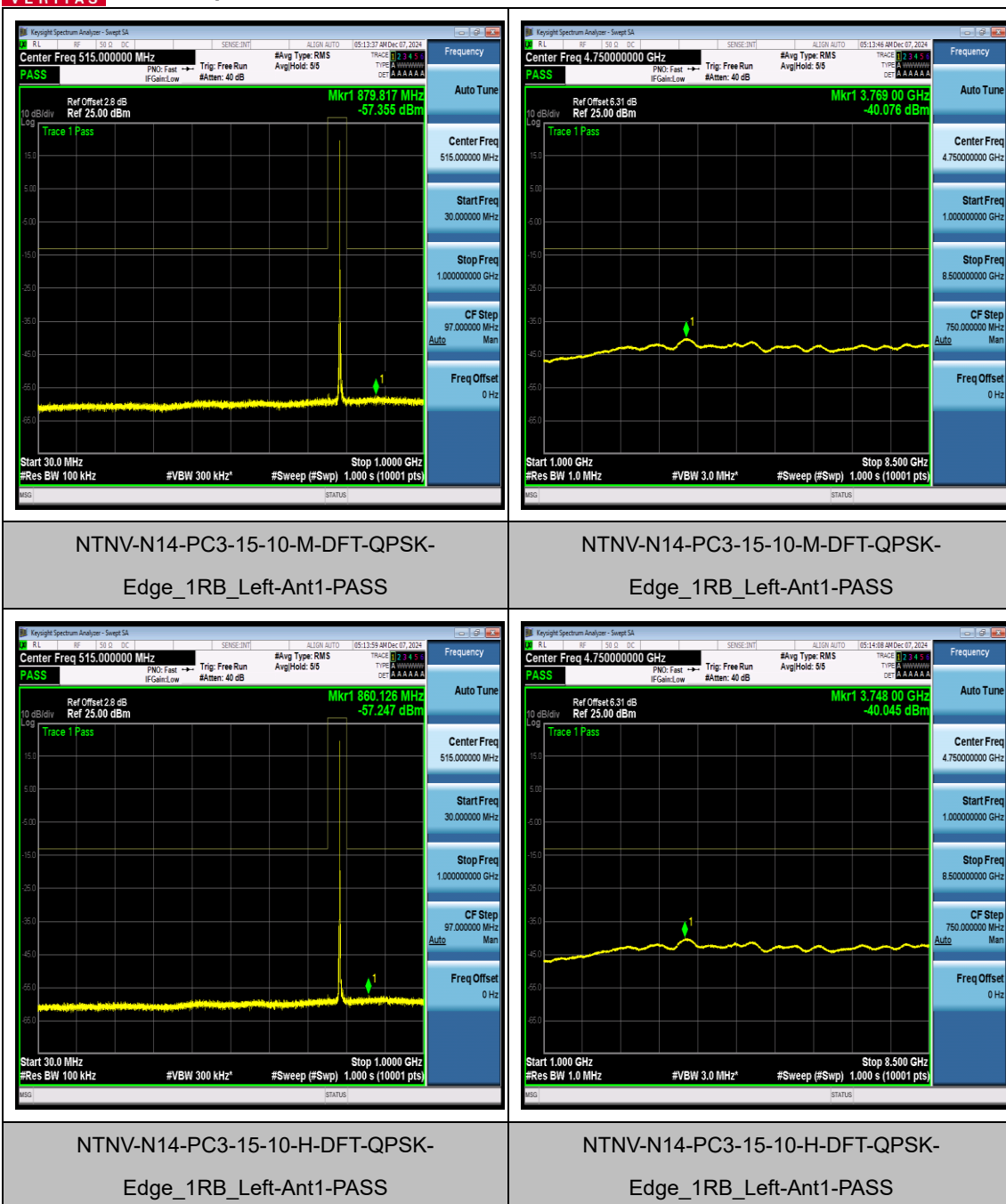
Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.27	-13	PASS
N14	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	8500	-40.08	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.55	-13	PASS
N14	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	8500	-40.07	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.50	-13	PASS
N14	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	8500	-39.94	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.51	-13	PASS
N14	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	8500	-40.00	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.36	-13	PASS
N14	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	8500	-40.08	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.25	-13	PASS
N14	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	8500	-40.05	-13	PASS



TEST GRAPHS









Test Report No.: PSU-QSU2411180418

FREQUENCY STABILITY FOR SA

TEST RESULT

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	VL	NT	-4.295000	-0.005433	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	VN	NT	-2.782000	-0.003519	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	VH	NT	-4.090000	-0.005174	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	VL	NT	-1.487000	-0.001875	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	VN	NT	-0.779000	-0.000982	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	VH	NT	-0.709000	-0.000894	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	VL	NT	-3.696000	-0.004646	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	VN	NT	-4.512000	-0.005672	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	VH	NT	-3.521000	-0.004426	PASS



Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	NV	-30	-3.793000	-0.004798	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	-20	-4.759000	-0.006020	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	-10	-3.826000	-0.004840	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	0	-4.009000	-0.005071	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	10	-6.132000	-0.007757	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	20	-4.738000	-0.005994	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	30	-3.823000	-0.004836	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	40	-4.121000	-0.005213	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	50	-4.070000	-0.005149	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	-30	-0.304000	-0.000383	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	-20	-1.734000	-0.002187	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	-10	-1.752000	-0.002209	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	0	-0.875000	-0.001103	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	10	-0.784000	-0.000989	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	20	-1.697000	-0.002140	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	30	-0.127000	-0.000160	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	40	-2.071000	-0.002612	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	50	-0.568000	-0.000716	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	-30	-2.013000	-0.002530	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	-20	-2.825000	-0.003551	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	-10	-4.322000	-0.005433	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	0	-2.982000	-0.003749	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	10	-3.916000	-0.004923	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	20	-1.360000	-0.001710	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	30	-1.922000	-0.002416	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	40	-3.038000	-0.003819	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	50	-2.324000	-0.002921	PASS

**N25(INCLUDING N2)****PEAK-TO-AVERAGE RATIO FOR SA****PEAK-TO-AVERAGE RATIO(CCDF)****TEST RESULT**

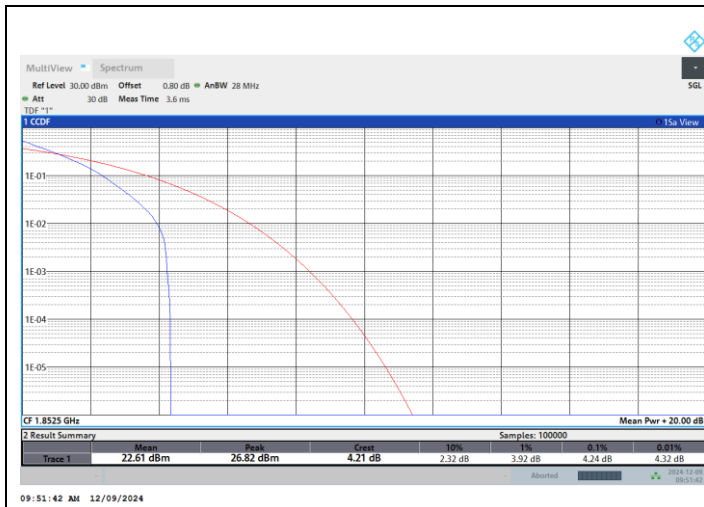
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	4.24	≤13	PASS
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	4.30	≤13	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.40	≤13	PASS
N25	15	5	DFT-QPSK	M	Edge_1RB_Left	4.58	≤13	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	4.62	≤13	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Left	4.78	≤13	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	5.92	≤13	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	5.80	≤13	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	4.78	≤13	PASS
N25	15	10	DFT-QPSK	M	Edge_1RB_Left	4.48	≤13	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	4.66	≤13	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Left	4.54	≤13	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	4.76	≤13	PASS
N25	15	15	DFT-QPSK	L	Edge_1RB_Left	4.32	≤13	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	4.56	≤13	PASS
N25	15	15	DFT-QPSK	M	Edge_1RB_Left	4.08	≤13	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	4.76	≤13	PASS
N25	15	15	DFT-QPSK	H	Edge_1RB_Left	4.72	≤13	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	3.56	≤13	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	3.44	≤13	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	4.26	≤13	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	3.78	≤13	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	3.76	≤13	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	3.76	≤13	PASS



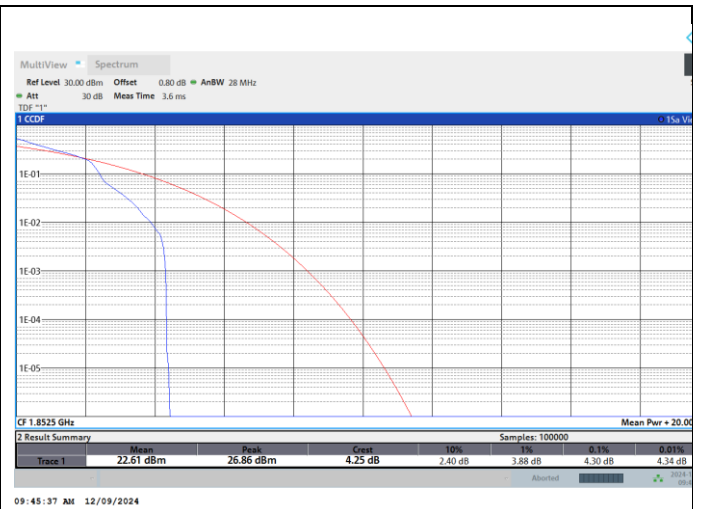
BUREAU
VERITAS

Test Report No.: PSU-QSU2411180418

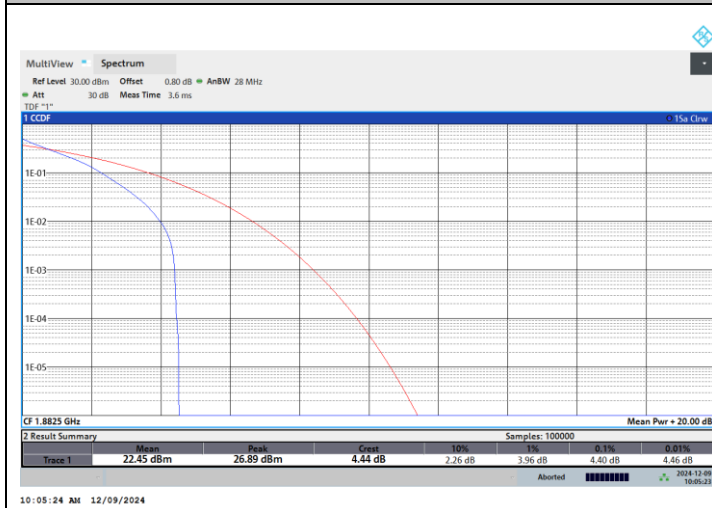
TEST GRAPHS



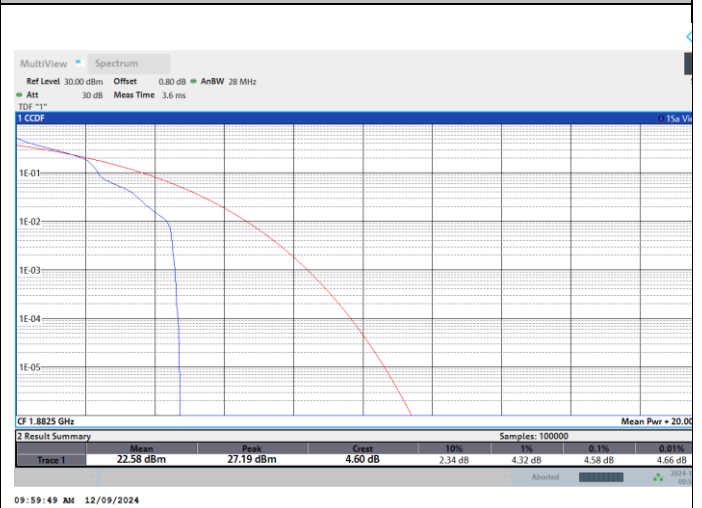
NTNV-N25-PC3-15-5-L-DFT-QPSK-Outer_Full-PASS



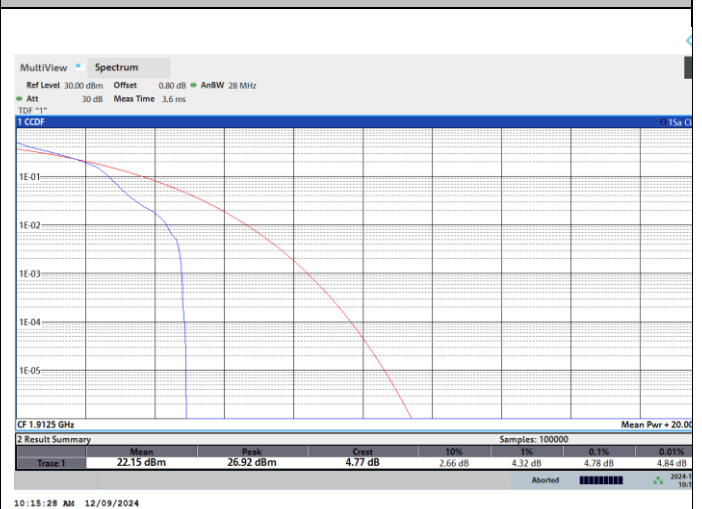
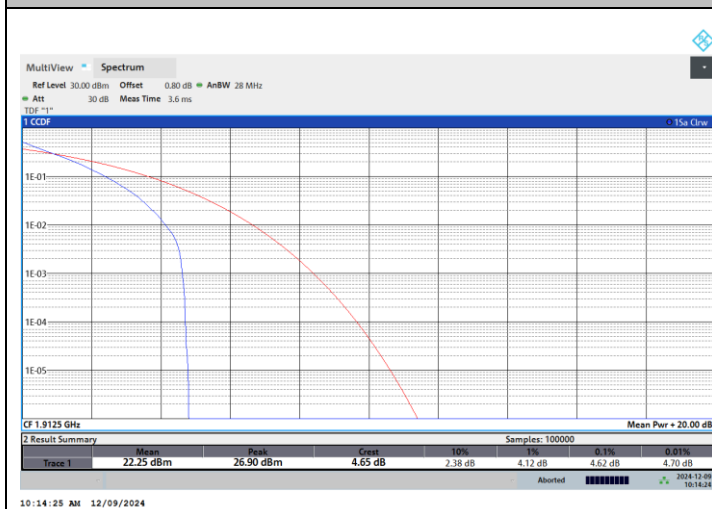
NTNV-N25-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N25-PC3-15-5-M-DFT-QPSK-Outer_Full-PASS



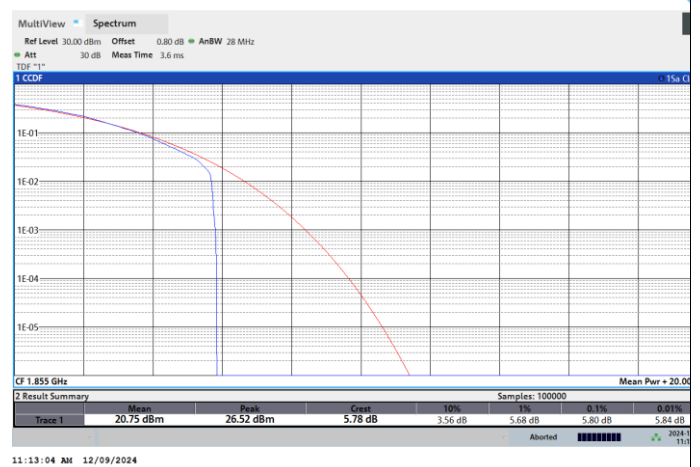
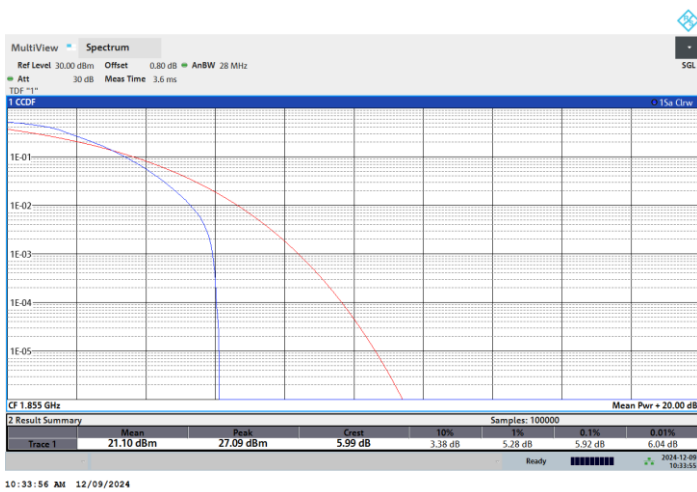
NTNV-N25-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-PASS





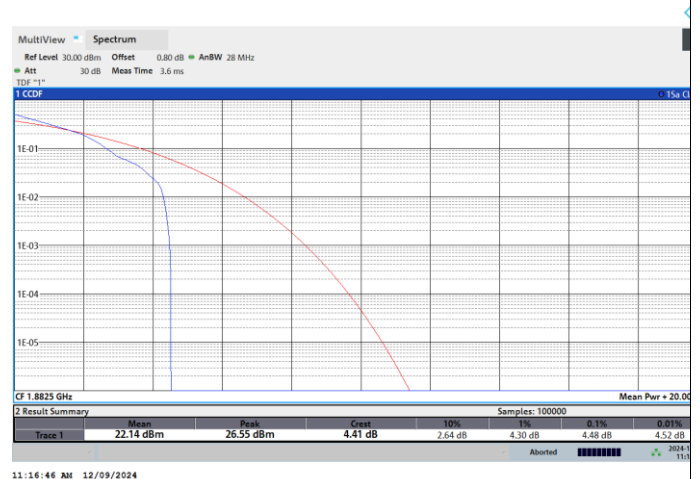
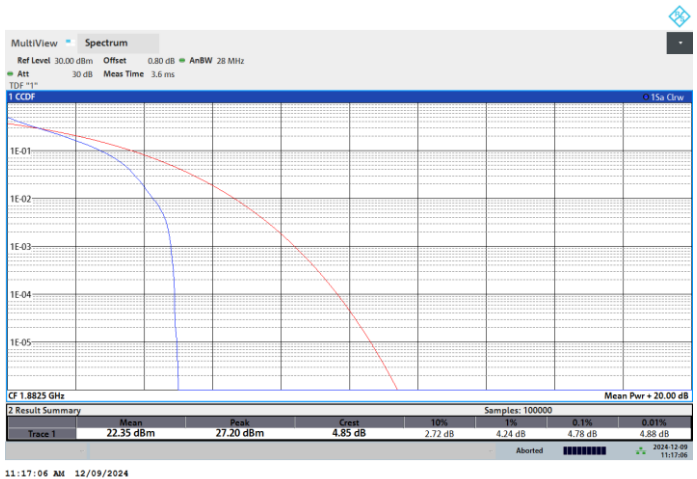
NTNV-N25-PC3-15-5-H-DFT-QPSK-Outer_Full-PASS

NTNV-N25-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-PASS



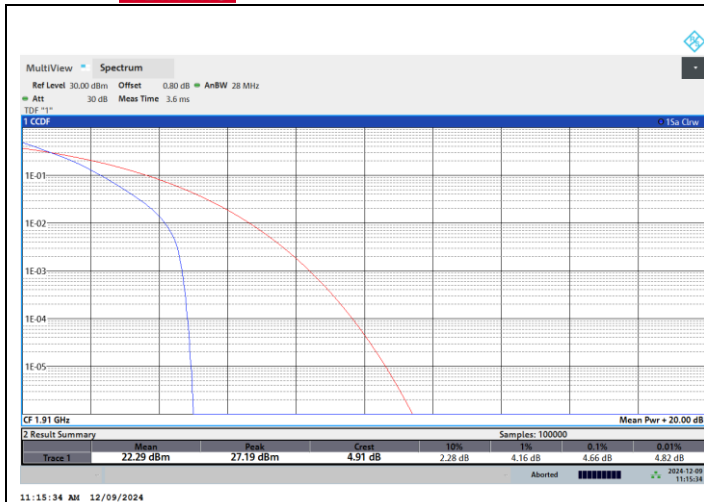
NTNV-N25-PC3-15-10-L-DFT-QPSK-Outer_Full-PASS

NTNV-N25-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-PASS

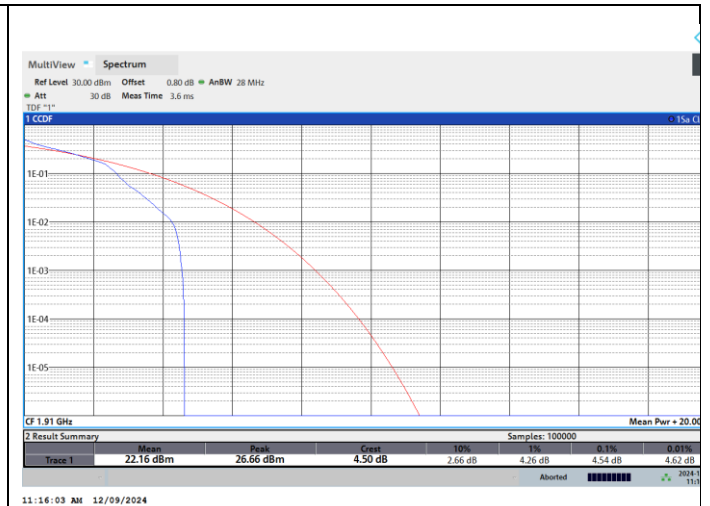


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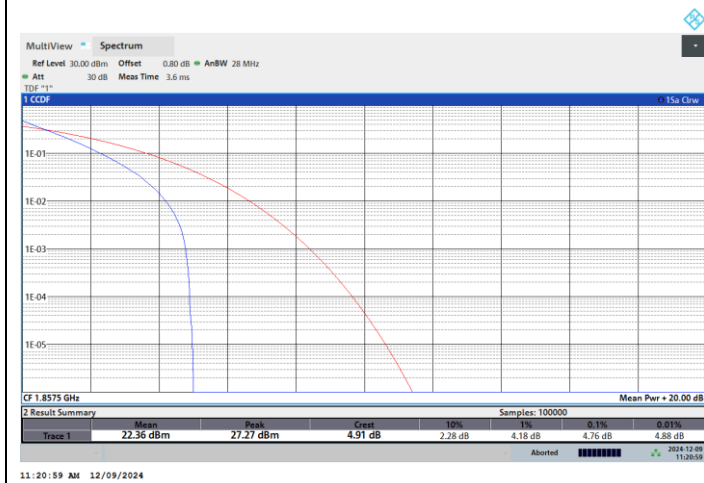
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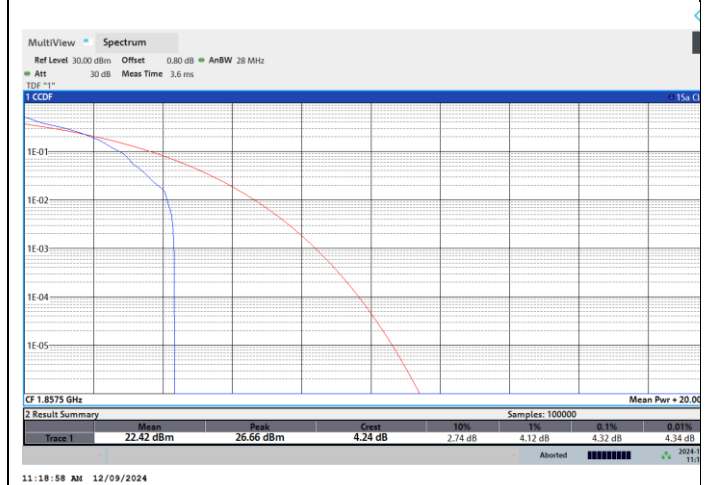
NTNV-N25-PC3-15-10-H-DFT-QPSK-Outer_Full-PASS



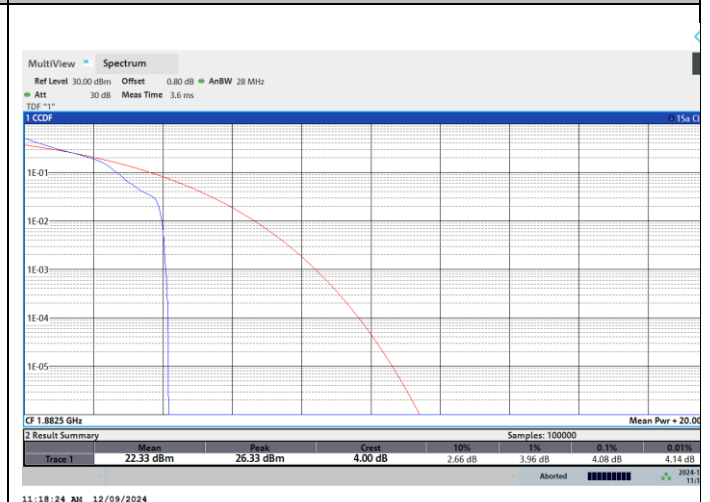
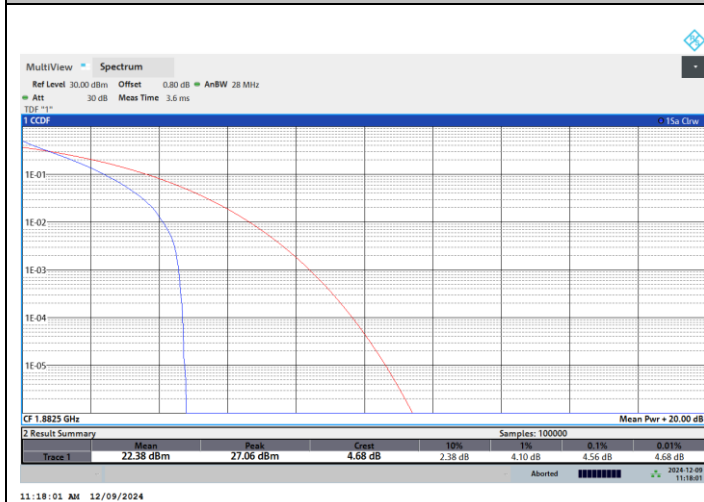
NTNV-N25-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-PASS



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



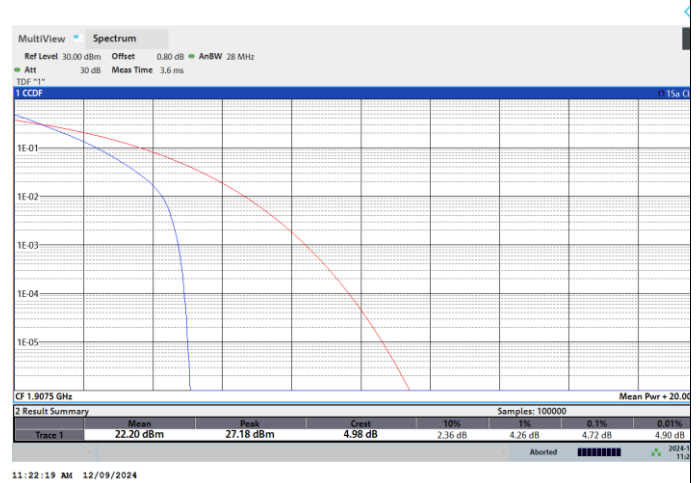
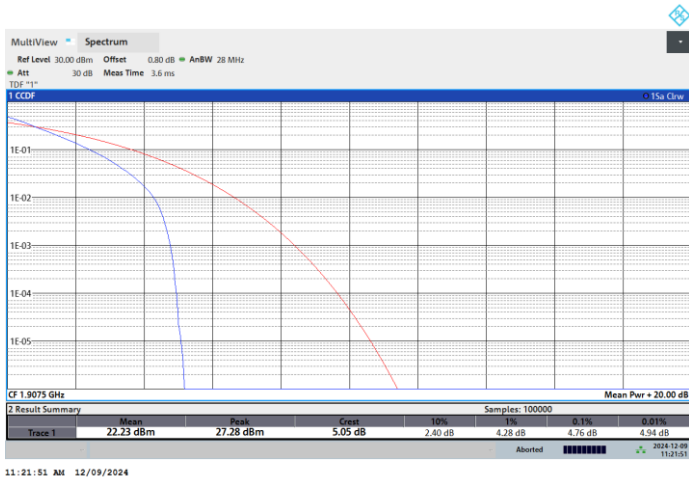
NTNV-N25-PC3-15-15-L-DFT-QPSK-Edge_1RB_Left-PASS





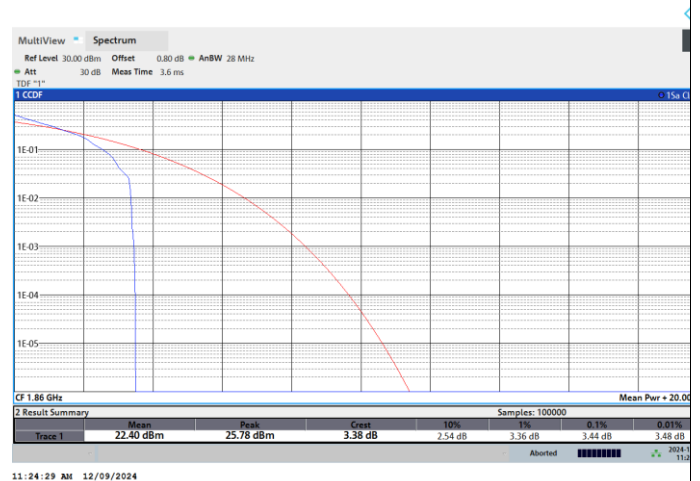
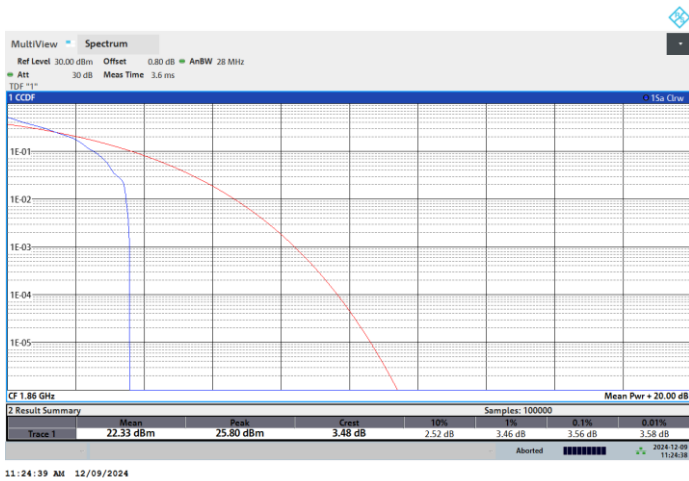
NTNV-N25-PC3-15-15-M-DFT-QPSK-Outer_Full-PASS

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



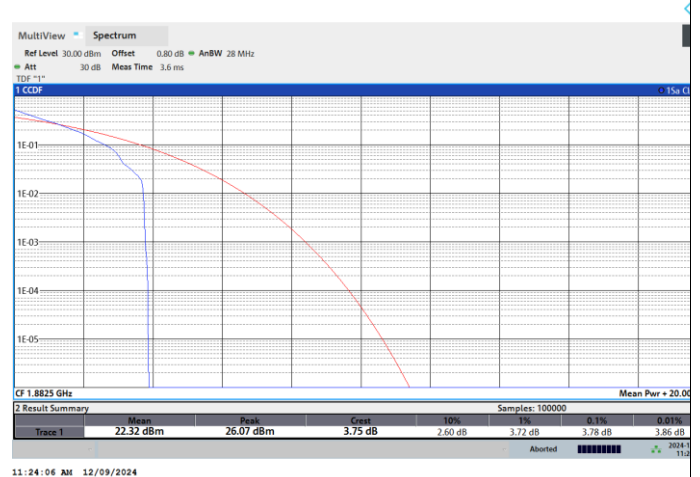
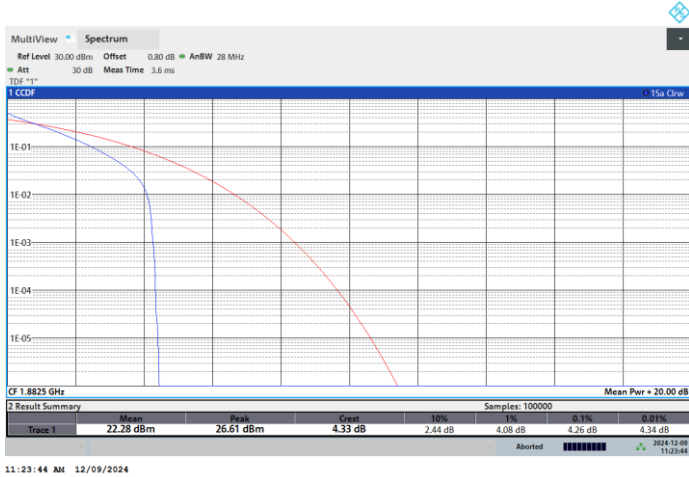
NTNV-N25-PC3-15-15-H-DFT-QPSK-Outer_Full-PASS

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



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

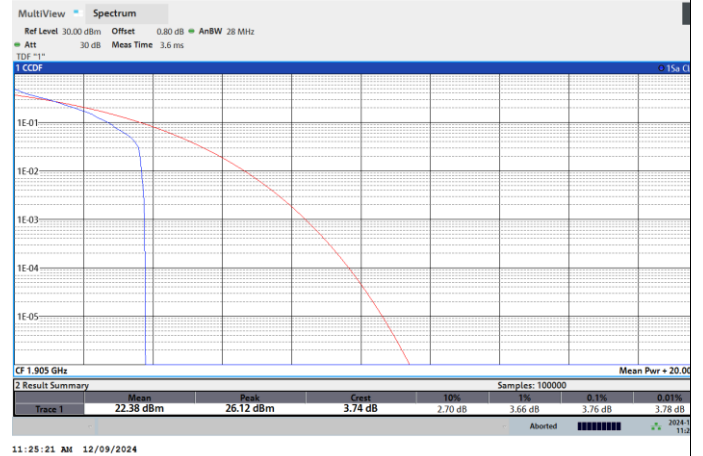
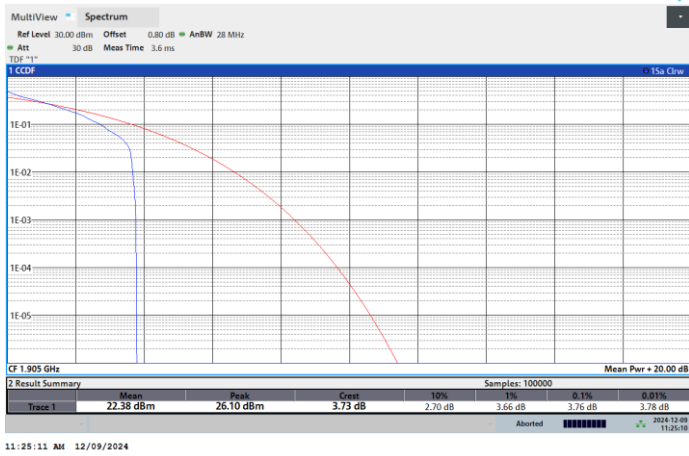
NTNV-N25-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-PASS





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



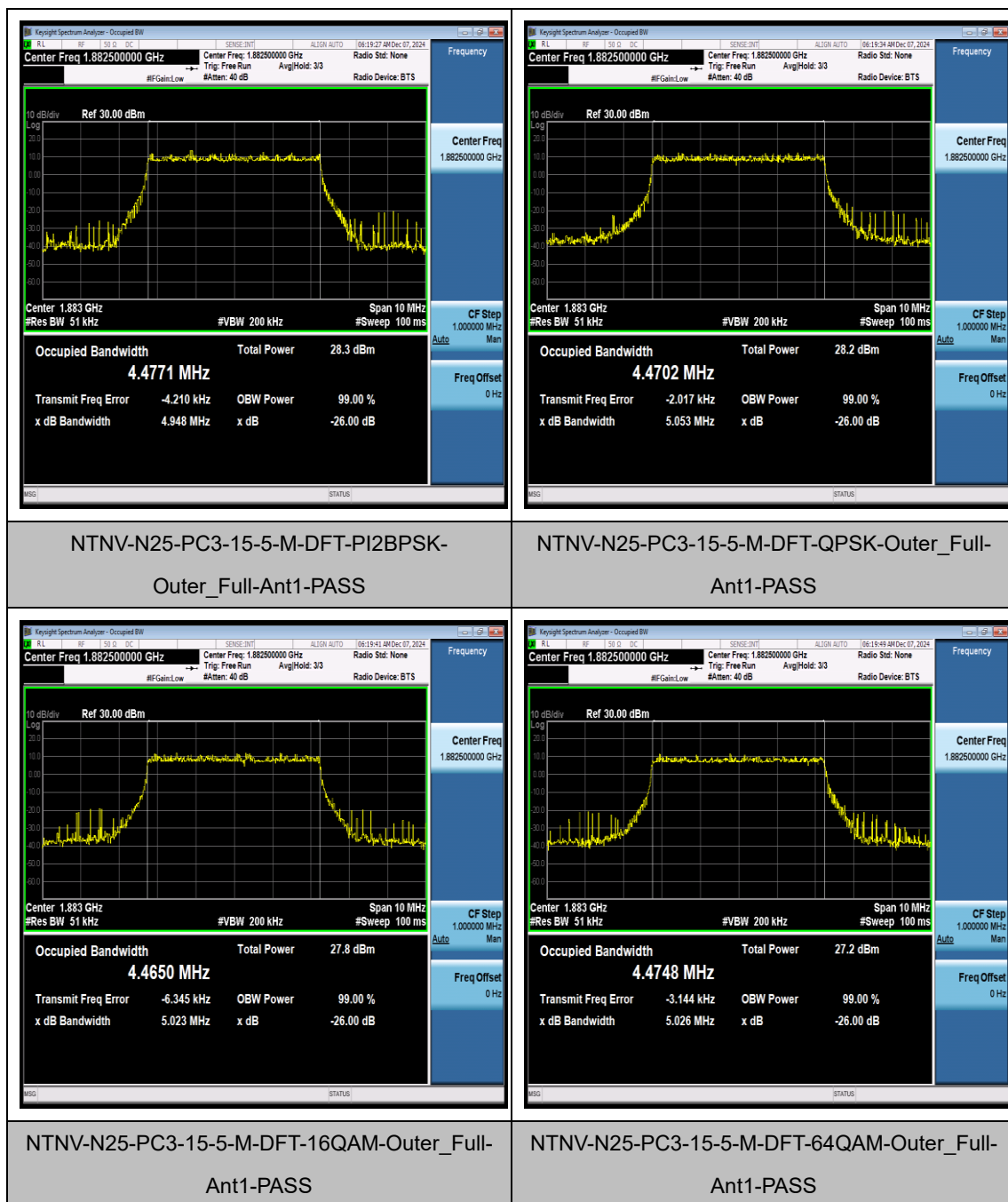
26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

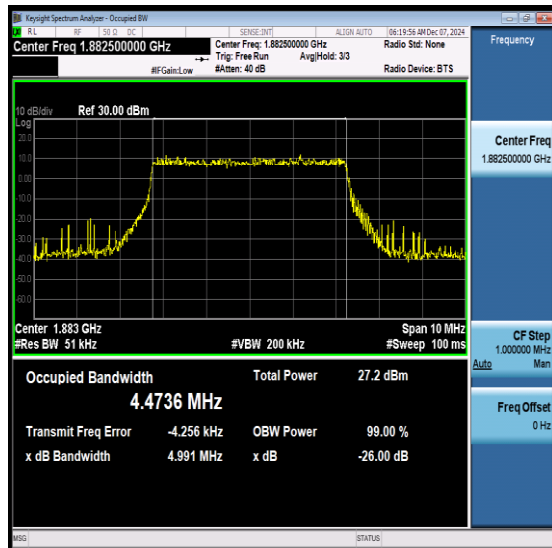
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	DFT-PI2BPSK	M	Outer_Full	4.4771	4.948	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.4702	5.053	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.4650	5.023	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.4748	5.026	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.4736	4.991	PASS
N25	15	10	DFT-PI2BPSK	M	Outer_Full	8.9163	9.538	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.9149	9.513	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.9341	9.552	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	8.9148	9.736	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	8.9184	9.522	PASS
N25	15	15	DFT-PI2BPSK	M	Outer_Full	13.408	14.35	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.399	14.29	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.418	14.35	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.390	14.23	PASS
N25	15	15	DFT-256QAM	M	Outer_Full	13.412	14.29	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	17.859	18.84	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.884	18.89	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.927	18.72	PASS
N25	15	20	DFT-64QAM	M	Outer_Full	17.898	19.39	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.881	19.26	PASS

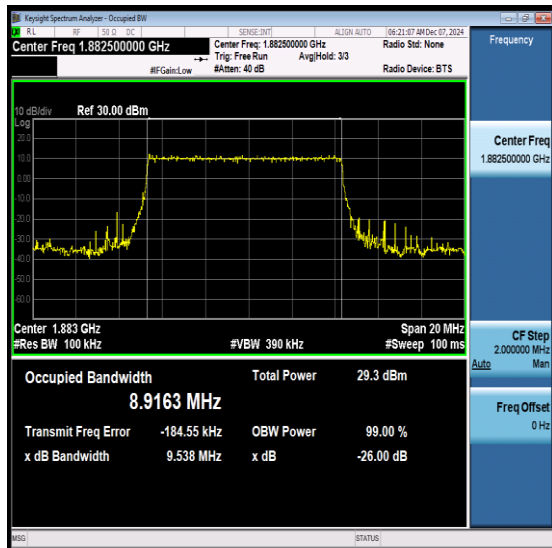


TEST GRAPHS

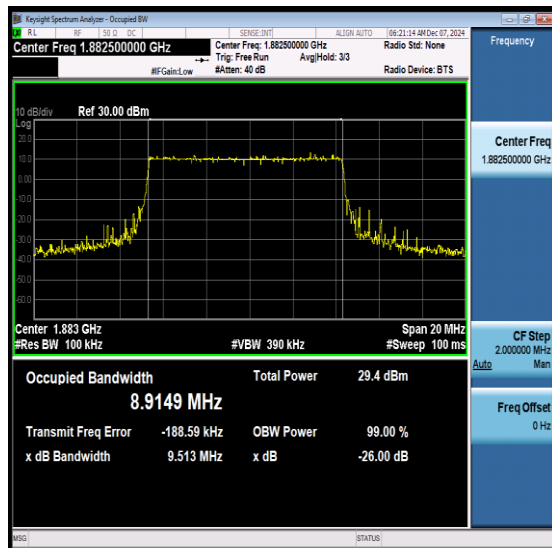




NTNV-N25-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-PASS



NTNV-N25-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



NTNV-N25-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N25-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant1-PASS

