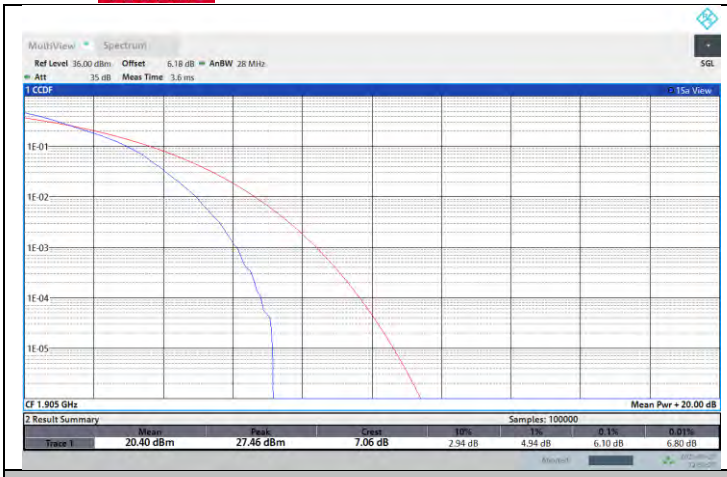
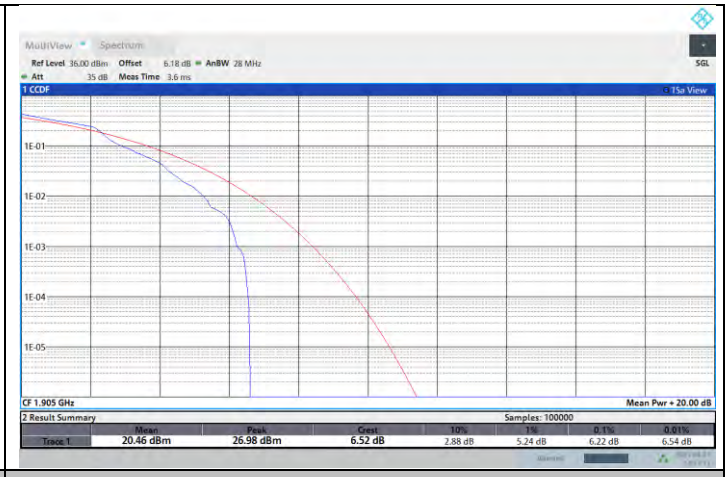
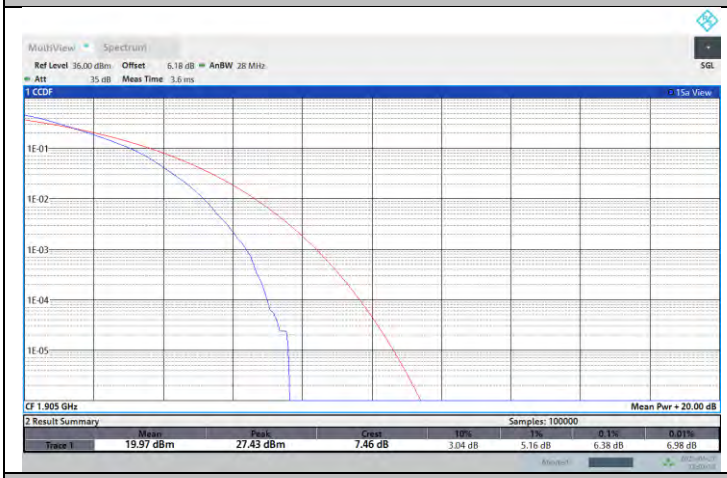


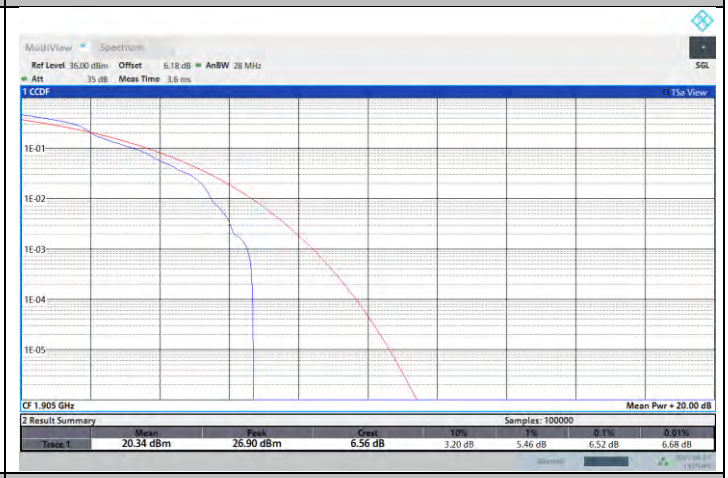
NTNV-N25-PC3-15-20-H-DFT-16QAM-Outer_Full-PASS



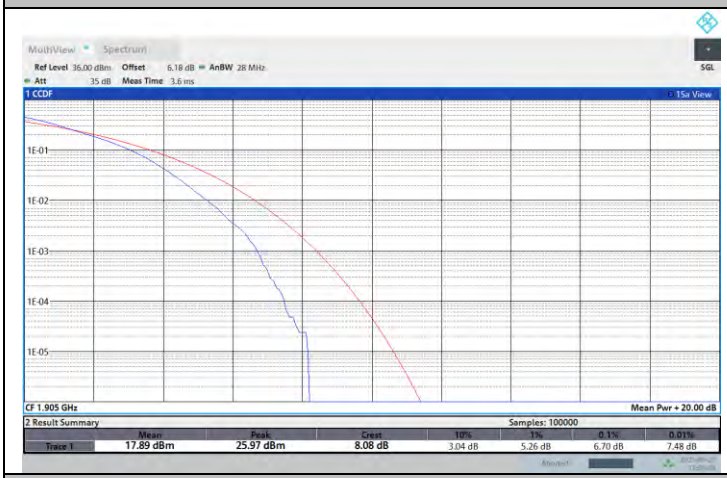
NTNV-N25-PC3-15-20-H-DFT-16QAM-Edge_1RB_Left-PASS



NTNV-N25-PC3-15-20-H-DFT-64QAM-Outer_Full-PASS



NTNV-N25-PC3-15-20-H-DFT-64QAM-Edge_1RB_Left-PASS



NTNV-N25-PC3-15-20-H-DFT-256QAM-Outer_Full-PASS

NTNV-N25-PC3-15-20-H-DFT-256QAM-Edge_1RB_Left-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

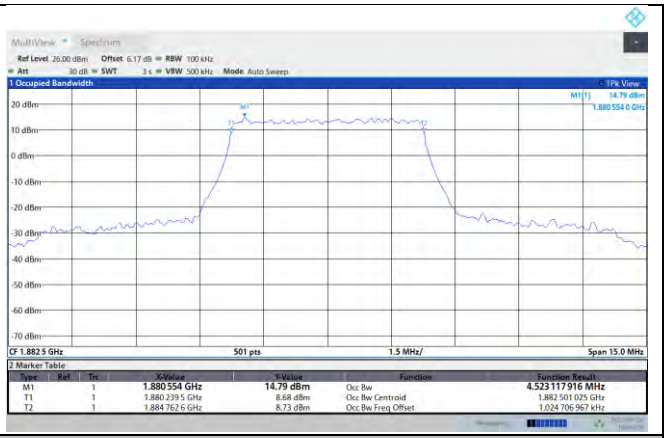
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	DFT-PI2BPSK	M	Outer_Full	4.549	5.28	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.523	5.29	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.543	5.23	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.557	5.25	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.522	5.18	PASS
N25	15	10	DFT-PI2BPSK	M	Outer_Full	9.012	9.83	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.987	9.80	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.979	9.86	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	9.019	9.86	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	9.008	9.83	PASS
N25	15	15	DFT-PI2BPSK	M	Outer_Full	13.505	14.61	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.520	14.56	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.532	14.61	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.540	14.65	PASS
N25	15	15	DFT-256QAM	M	Outer_Full	13.571	14.74	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	18.082	19.36	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	18.056	19.54	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	18.005	19.42	PASS
N25	15	20	DFT-64QAM	M	Outer_Full	18.055	19.42	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.937	19.36	PASS

Test Graphs

Occupied Bandwidth

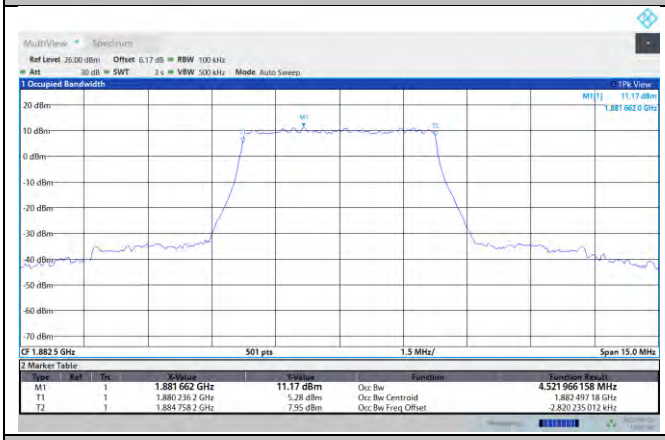
NTNV-N25-PC3-15-5-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



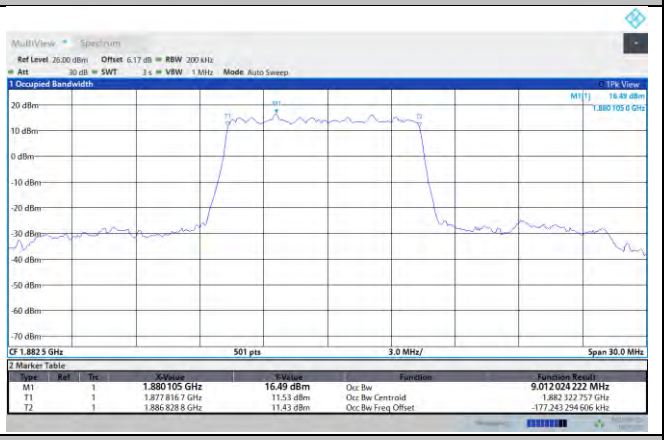
NTNV-N25-PC3-15-5-M-DFT-QPSK-Outer_Full-Ant1-PASS

NTNV-N25-PC3-15-5-M-DFT-16QAM-Outer_Full-Ant1-PASS

NTNV-N25-PC3-15-5-M-DFT-64QAM-Outer_Full-Ant1-PASS

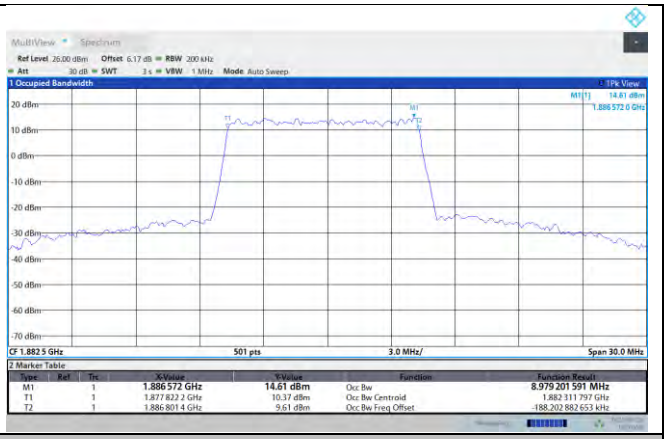


NTNV-N25-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-PASS



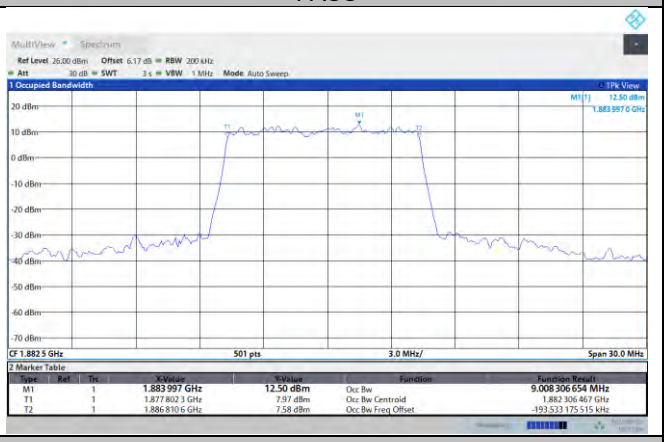
NTNV-N25-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS

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



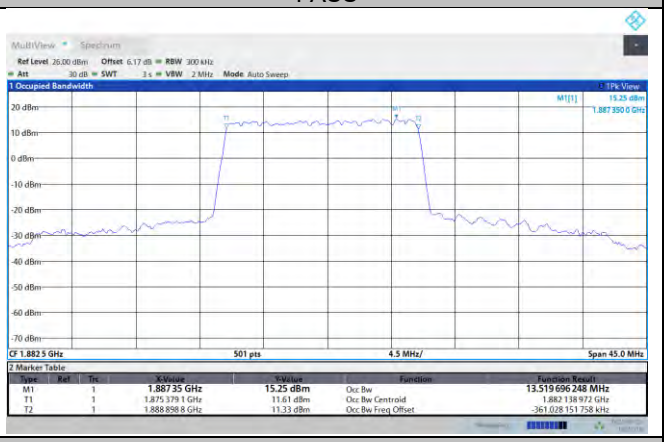
NTNV-N25-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant1-PASS

NTNV-N25-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant1-PASS



NTNV-N25-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant1-PASS

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



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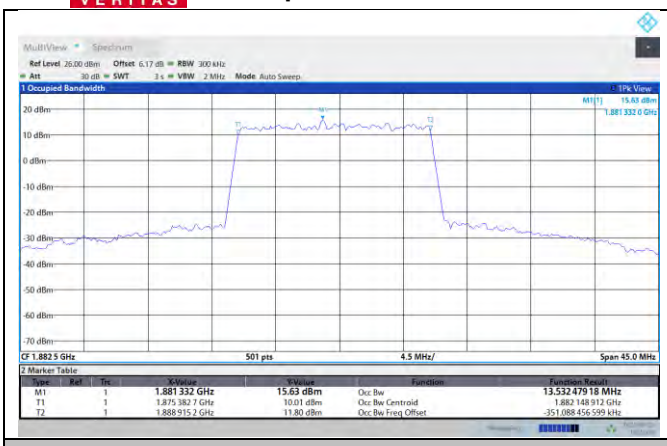

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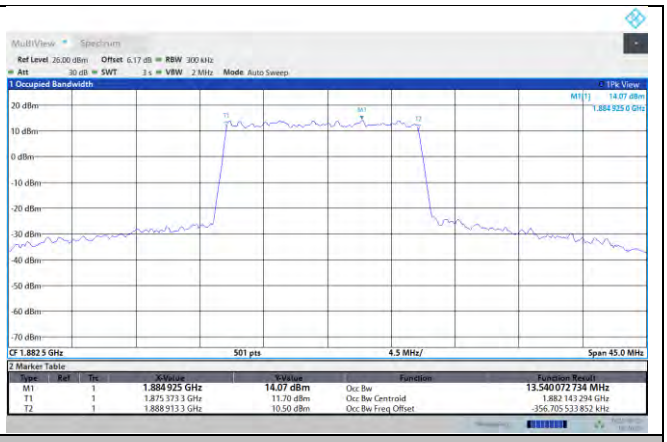

NTNV-N25-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant1-PASS

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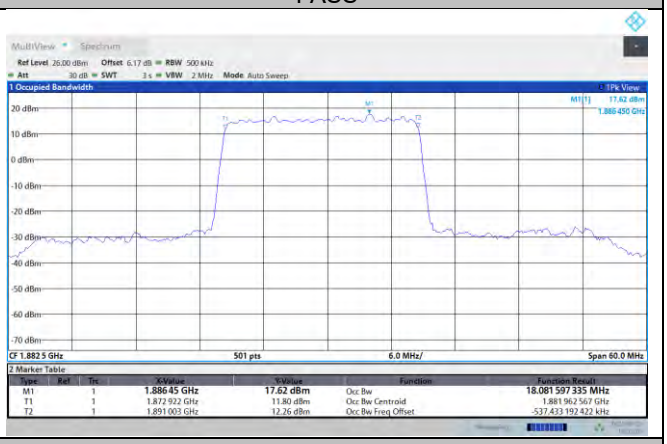

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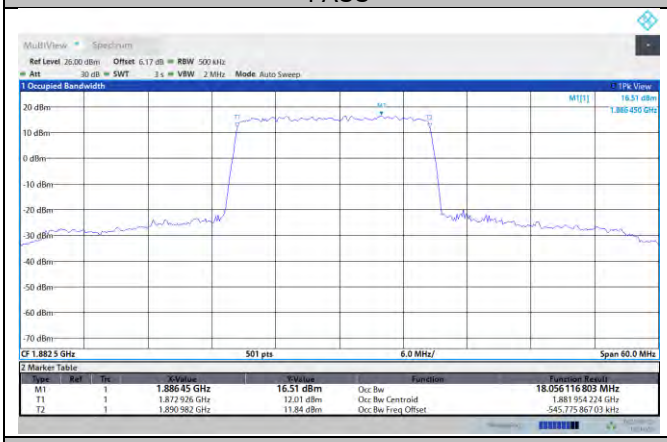

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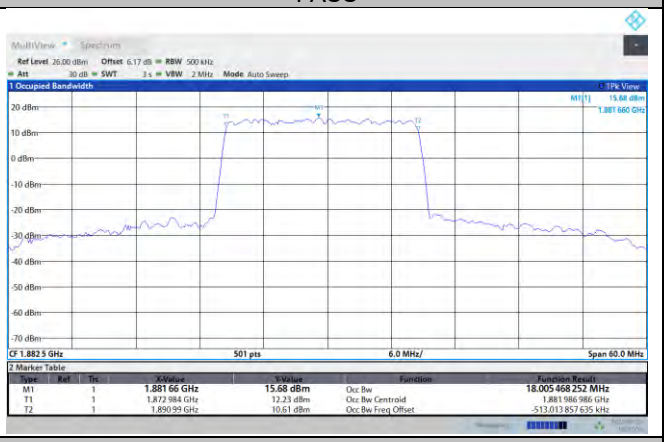

NTNV-N25-PC3-15-20-M-DFT-16QAM-Outer_Full-Ant1-PASS

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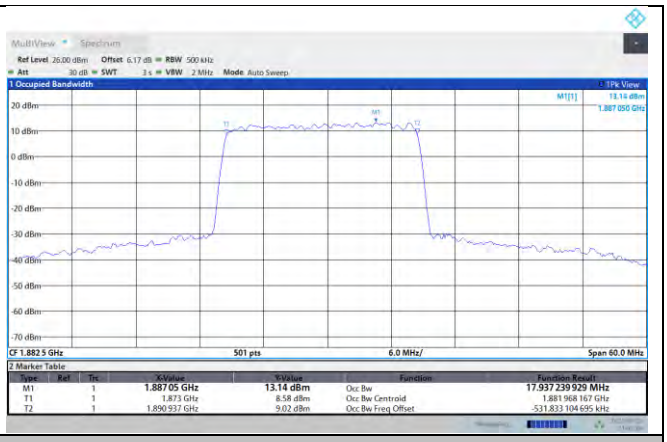
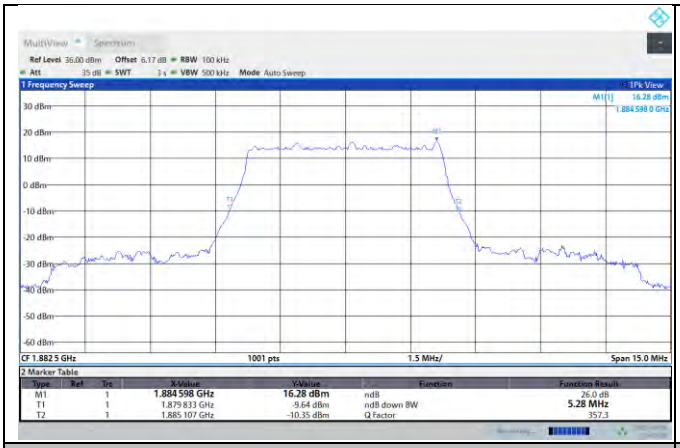


NTNV-N25-PC3-15-20-M-DFT-256QAM-Outer_Full-Ant1-PASS

26dB Bandwidth



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

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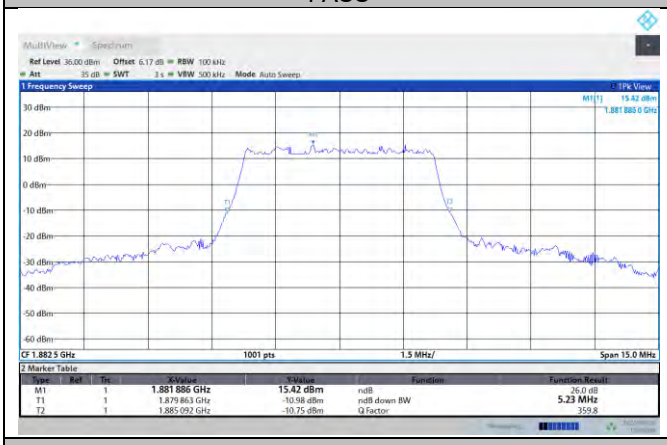

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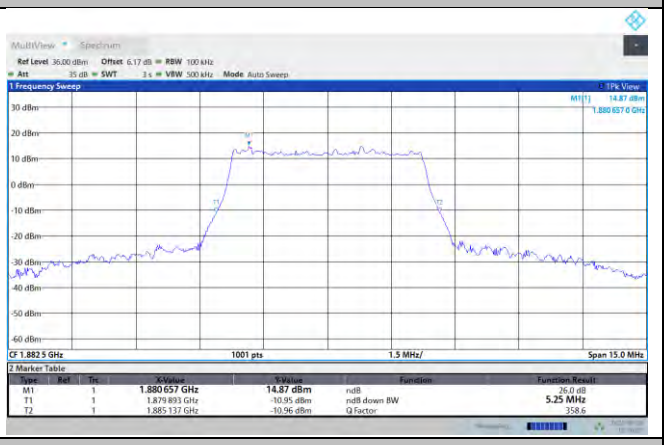
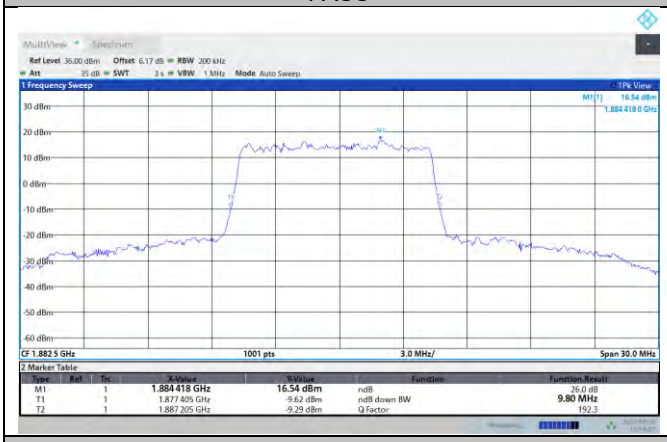


NTNV-N25-PC3-15-5-M-DFT-64QAM-Outer_Full-Ant1-PASS

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

NTNV-N25-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant1-PASS

NTNV-N25-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant1-PASS

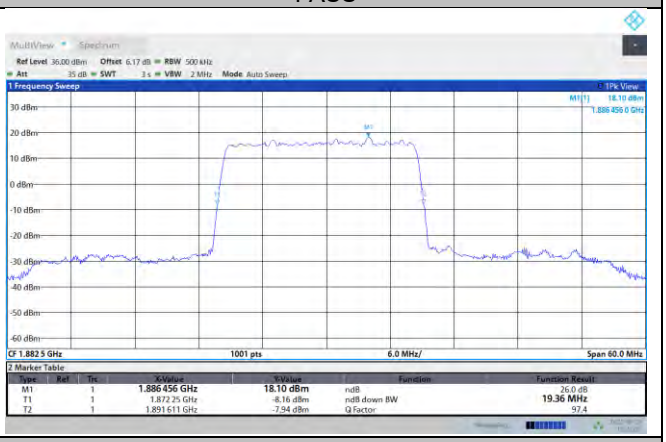
NTNV-N25-PC3-15-15-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS

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

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

NTNV-N25-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant1-PASS

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

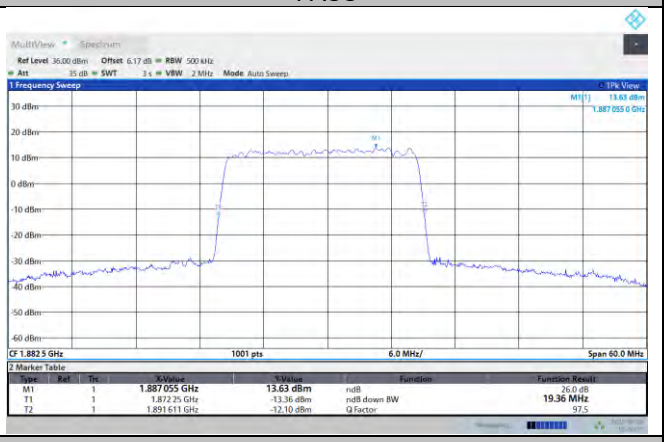


NTNV-N25-PC3-15-20-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS

NTNV-N25-PC3-15-20-M-DFT-QPSK-Outer_Full-Ant1-PASS

NTNV-N25-PC3-15-20-M-DFT-16QAM-Outer_Full-Ant1-PASS

NTNV-N25-PC3-15-20-M-DFT-64QAM-Outer_Full-Ant1-PASS



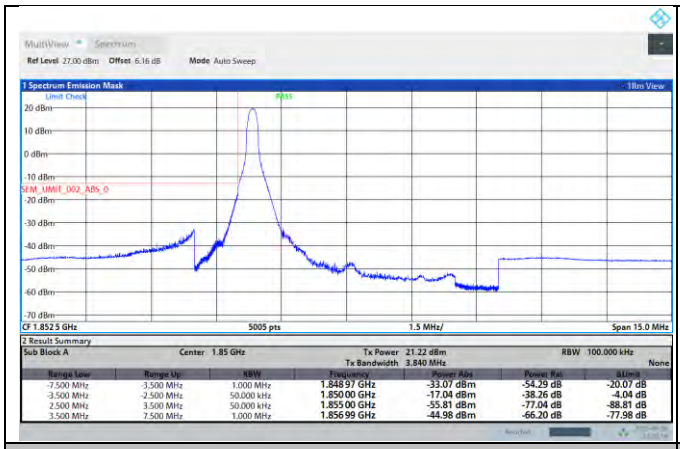
NTNV-N25-PC3-15-20-M-DFT-256QAM-Outer_Full-Ant1-PASS

BAND EDGE FOR SA

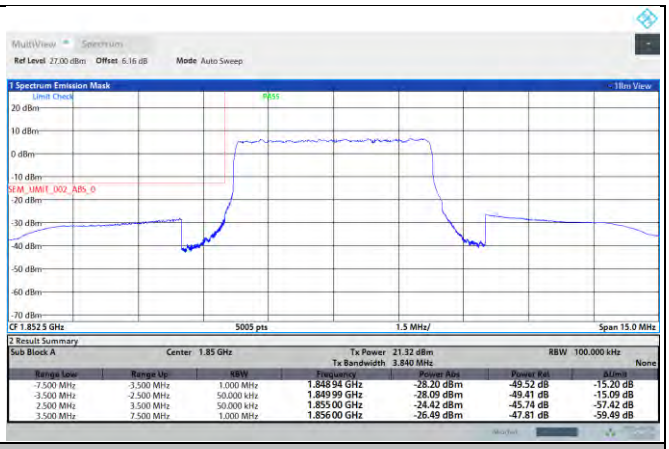
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N25	15	5	DFT-QPSK	L	Outer_Full	See Graph	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Right	See Graph	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	See Graph	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	See Graph	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Right	See Graph	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	See Graph	PASS
N25	15	15	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N25	15	15	DFT-QPSK	L	Outer_Full	See Graph	PASS
N25	15	15	DFT-QPSK	H	Edge_1RB_Right	See Graph	PASS
N25	15	15	DFT-QPSK	H	Outer_Full	See Graph	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	See Graph	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Right	See Graph	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	See Graph	PASS

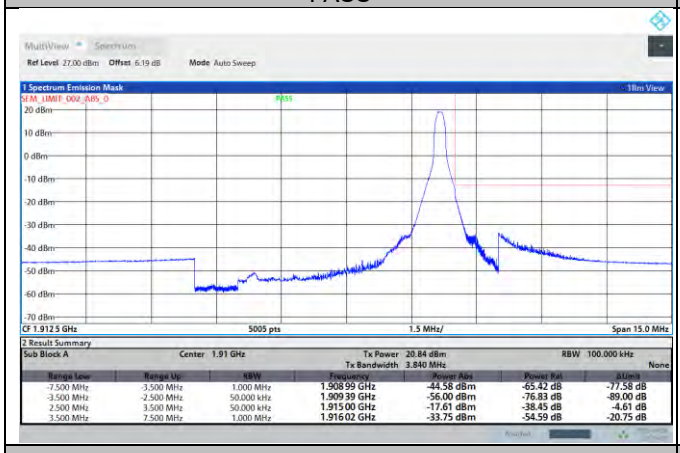
Test Graphs



NTNV-N25-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS

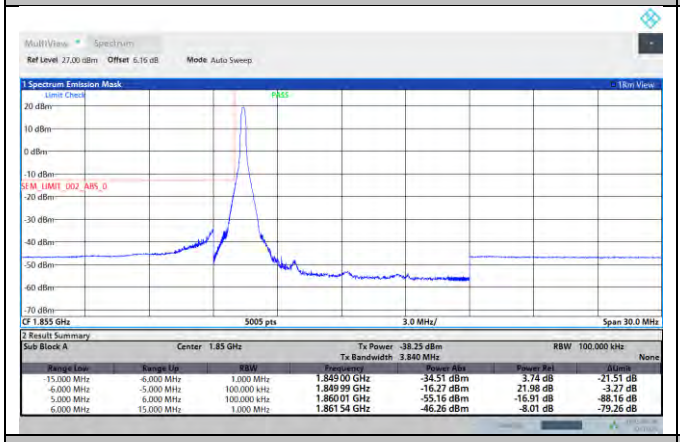


NTNV-N25-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant1-PASS

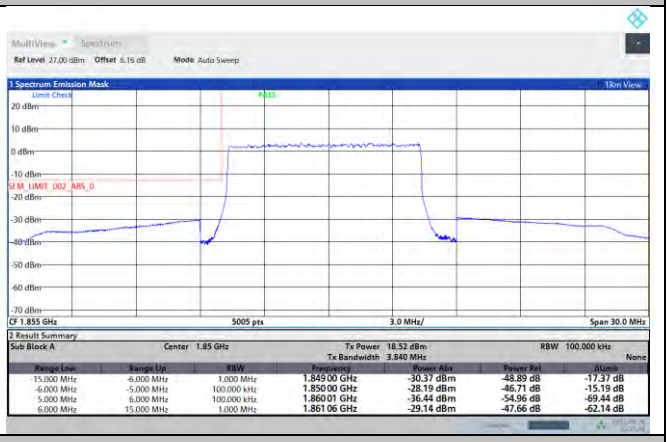


NTNV-N25-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS

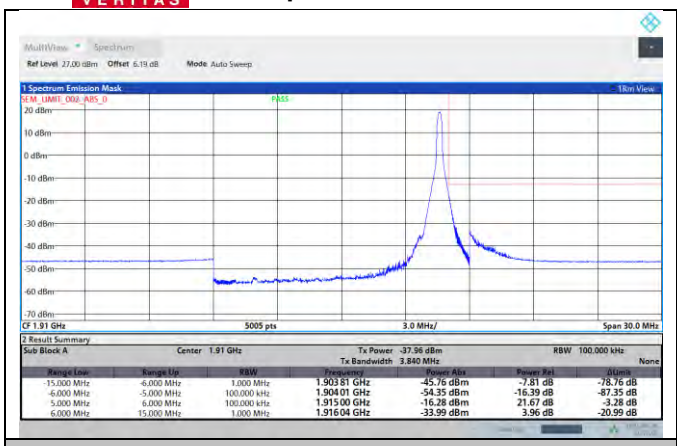
NTNV-N25-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant1-PASS



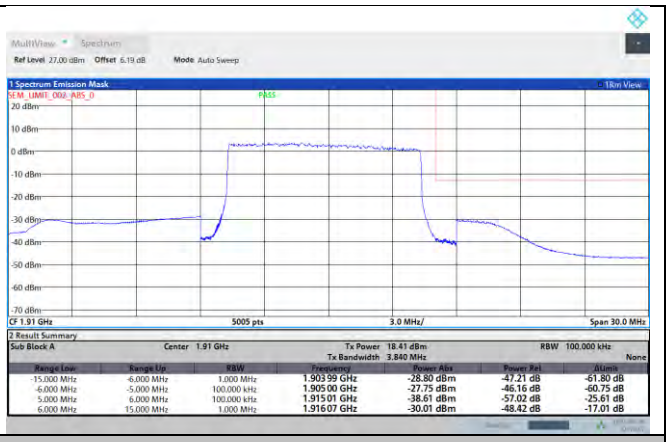
NTNV-N25-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



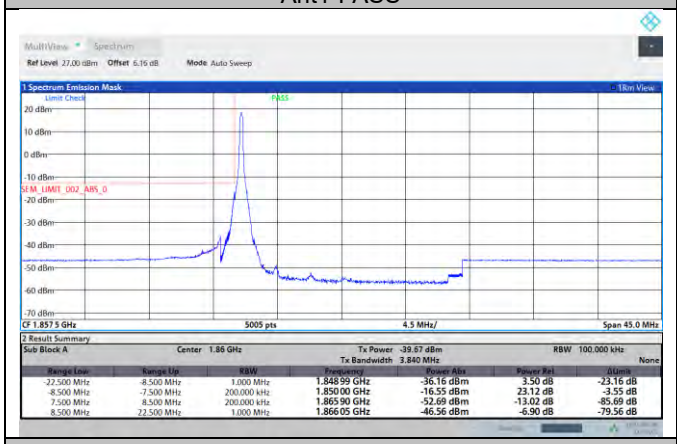
NTNV-N25-PC3-15-10-L-DFT-QPSK-Outer_Full-Ant1-PASS



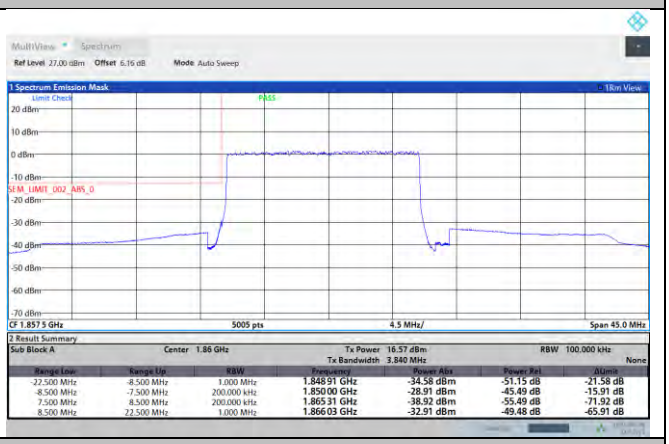
NTNV-N25-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS



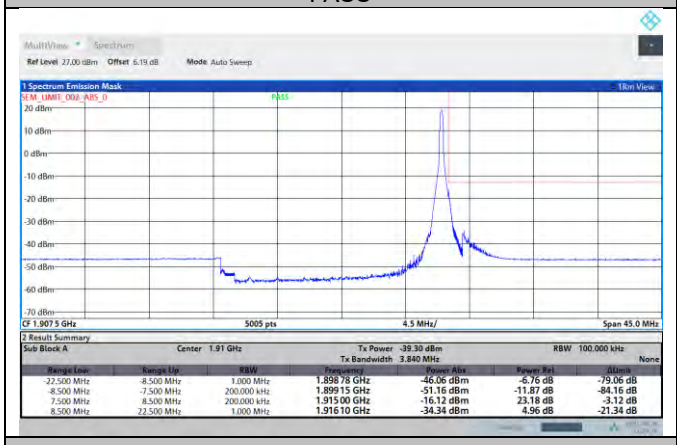
NTNV-N25-PC3-15-10-H-DFT-QPSK-Outer_Full-Ant1-PASS



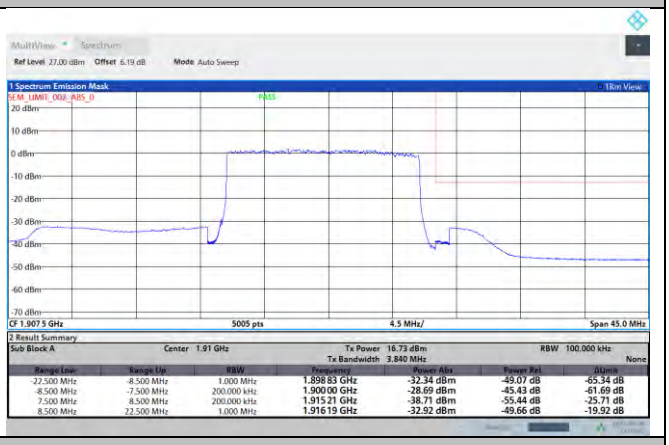
NTNV-N25-PC3-15-15-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



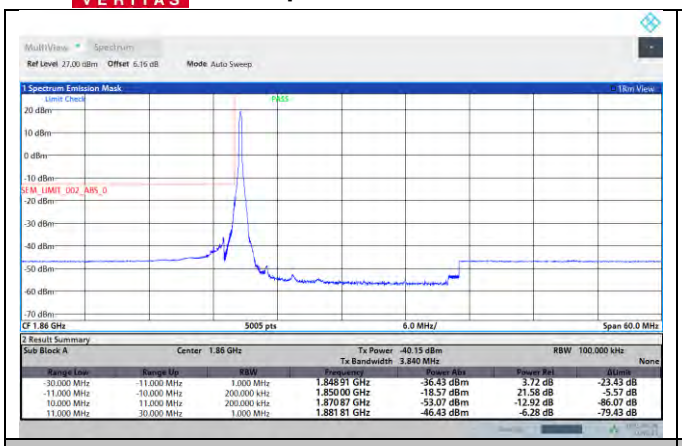
NTNV-N25-PC3-15-15-L-DFT-QPSK-Outer_Full-Ant1-PASS



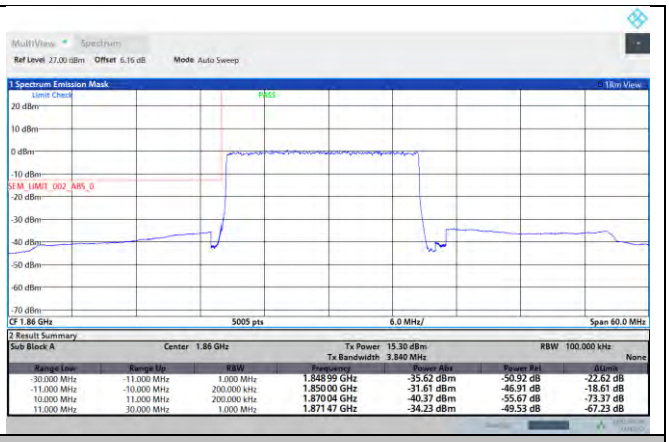
NTNV-N25-PC3-15-15-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS



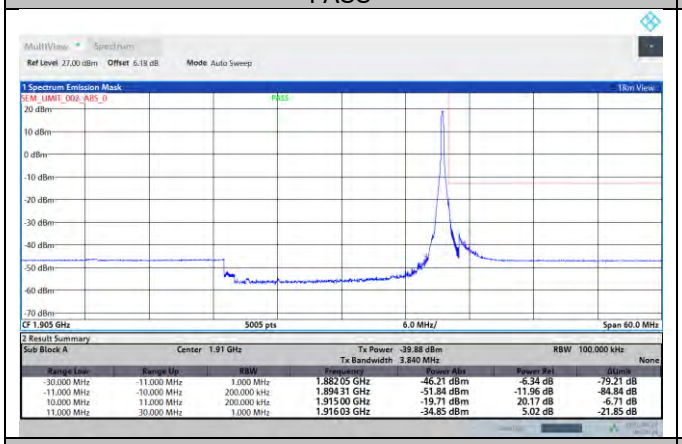
NTNV-N25-PC3-15-15-H-DFT-QPSK-Outer_Full-Ant1-PASS



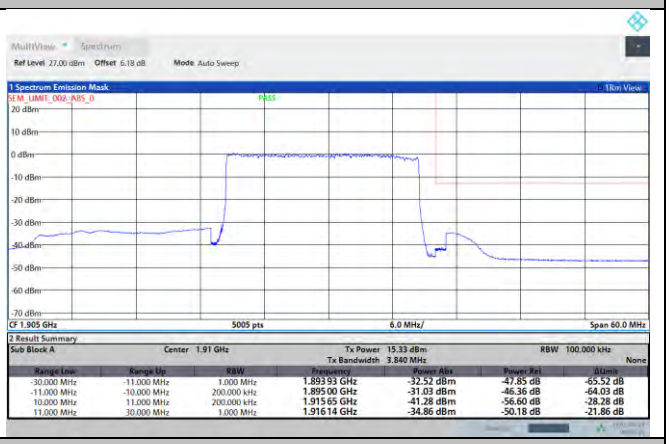
NTNV-N25-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N25-PC3-15-20-L-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N25-PC3-15-20-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS



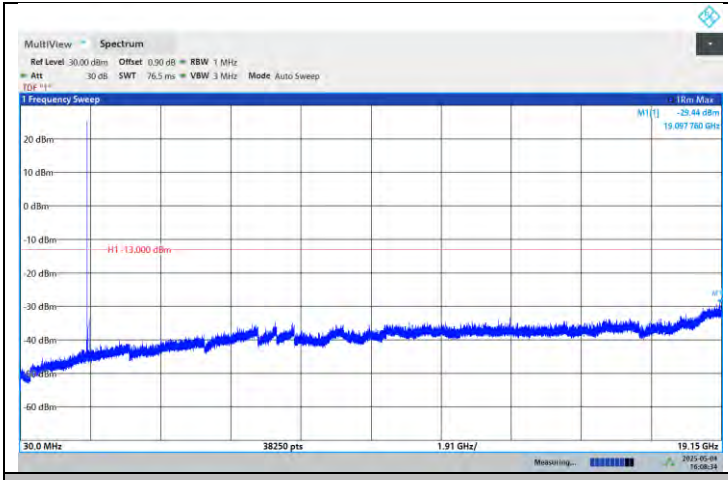
NTNV-N25-PC3-15-20-H-DFT-QPSK-Outer_Full-Ant1-PASS

CONDUCTED SPURIOUS EMISSION FOR SA

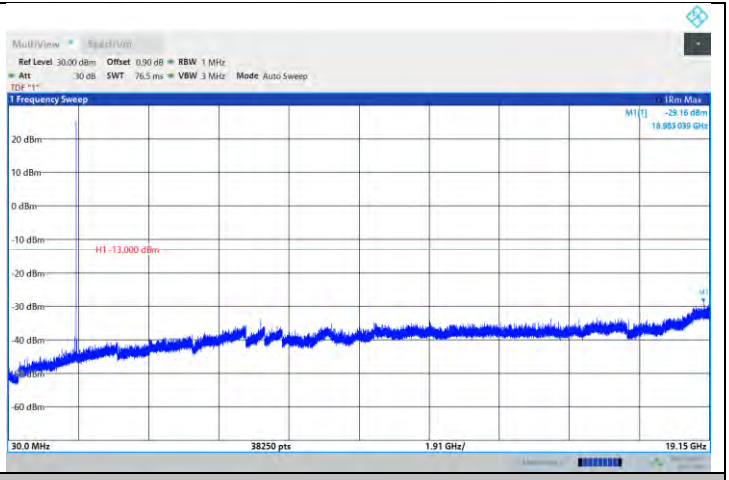
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	5	DFT-QPSK	M	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	10	DFT-QPSK	M	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	15	DFT-QPSK	L	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	15	DFT-QPSK	M	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	15	DFT-QPSK	H	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	30	19150	See Graph	-13	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	30	19150	See Graph	-13	PASS

Test Graphs



NTNV-N25-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



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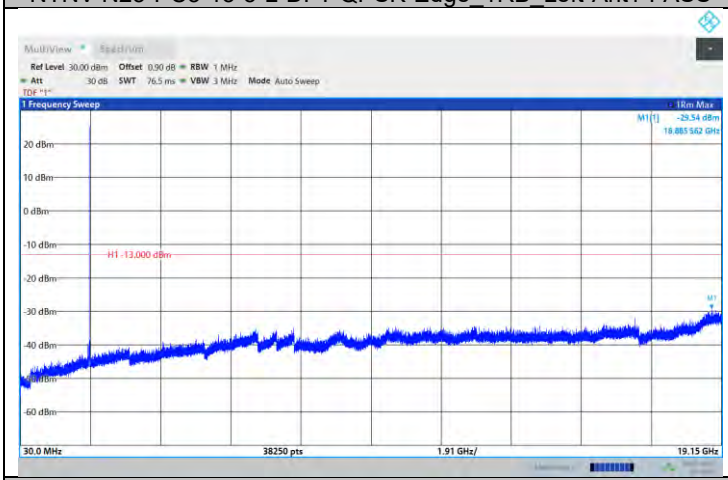
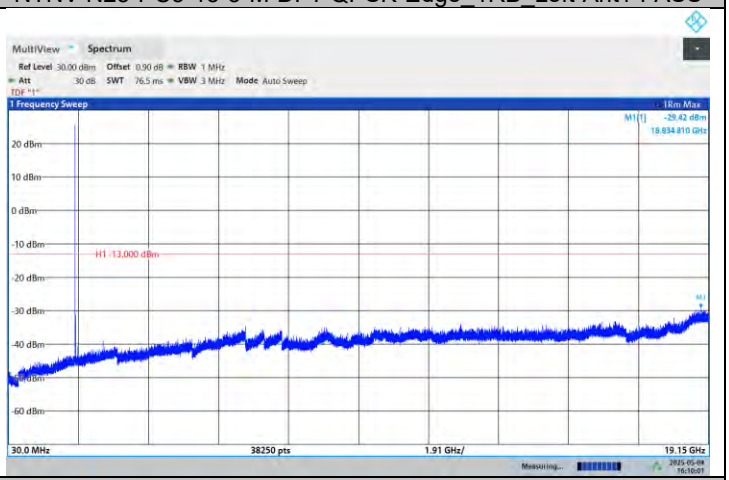


NTNV-N25-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



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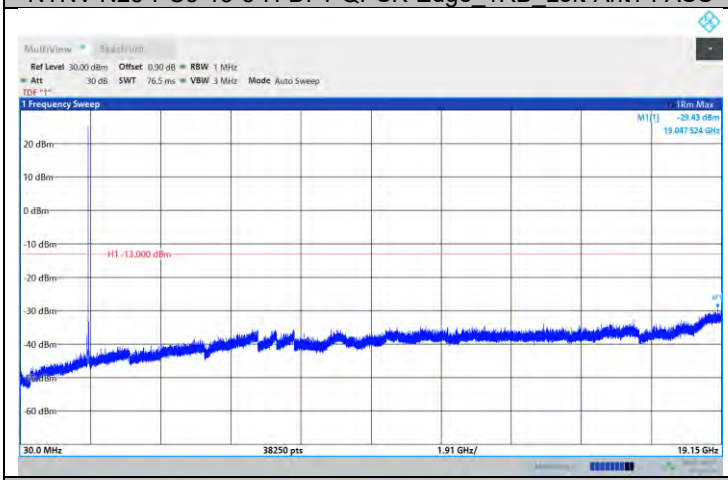

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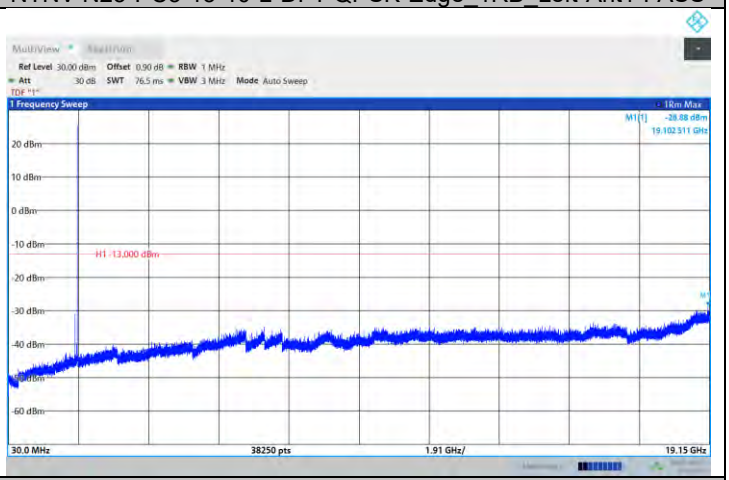

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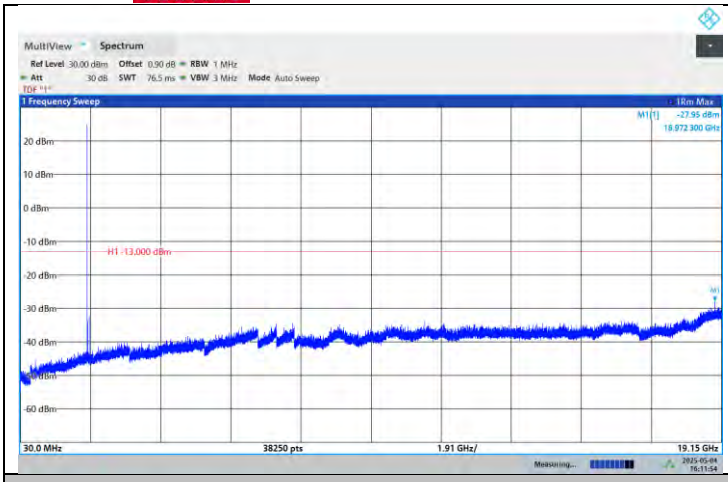

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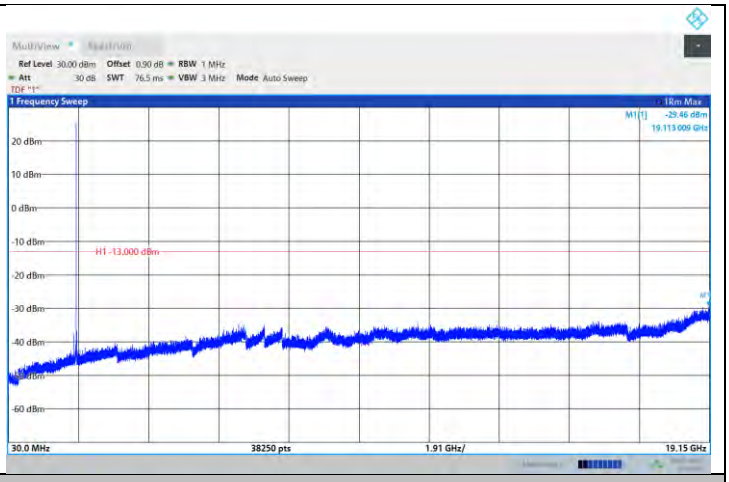

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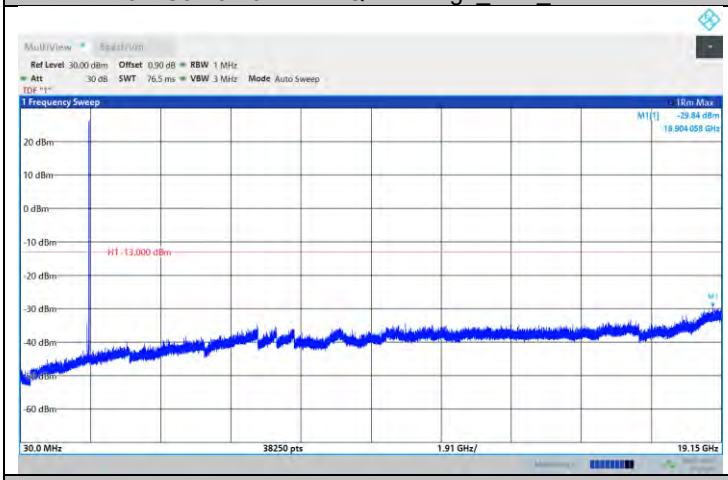
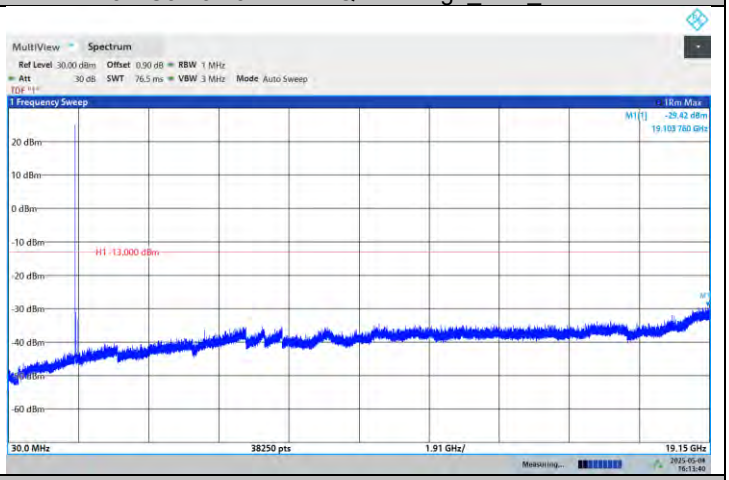


NTNV-N25-PC3-15-15-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



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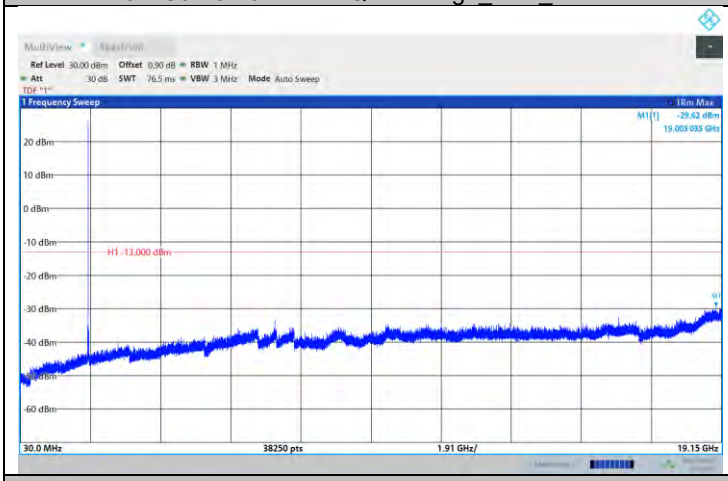
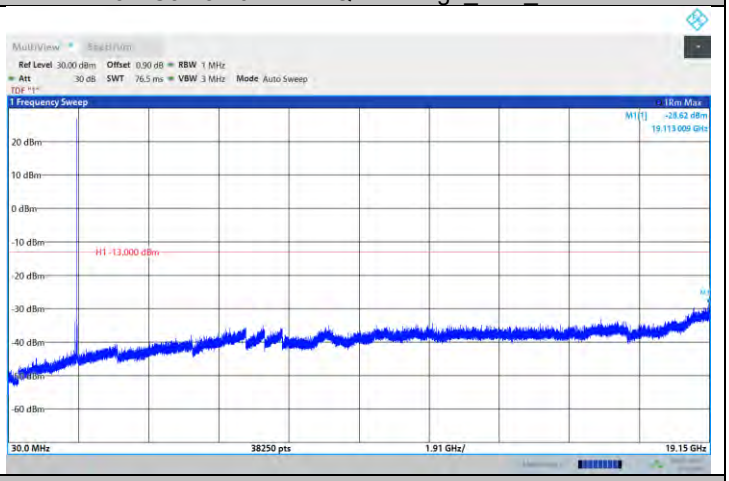


NTNV-N25-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N25-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)	Verdict
N25	15	20	DFT-QPSK	L	Outer_Full	VL	NT	8.20	0.0044	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	VN	NT	17.70	0.0095	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	VH	NT	-15.00	-0.0081	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	VL	NT	4.40	0.0023	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	VN	NT	21.60	0.0115	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	VH	NT	-11.40	-0.0061	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	VL	NT	11.80	0.0062	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	VN	NT	12.70	0.0067	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	VH	NT	-10.90	-0.0057	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N25	15	20	DFT-QPSK	L	Outer_Full	NV	-30	12.20	0.0066	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	-20	-27.90	-0.0150	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	-10	-11.90	-0.0064	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	0	-30.80	-0.0166	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	10	-9.30	-0.0050	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	20	13.50	0.0073	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	30	35.00	0.0188	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	40	-2.00	-0.0011	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	50	4.70	0.0025	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	-30	-29.10	-0.0155	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	-20	16.70	0.0089	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	-10	9.60	0.0051	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	0	-21.10	-0.0112	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	10	24.00	0.0128	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	20	9.00	0.0048	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	30	-22.60	-0.0120	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	40	19.60	0.0104	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	50	28.10	0.0149	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	-30	32.30	0.0170	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	-20	-6.00	-0.0031	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	-10	-5.70	-0.0030	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	0	20.20	0.0106	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	10	-2.50	-0.0013	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	20	1.80	0.0009	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	30	0.70	0.0004	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	40	19.90	0.0104	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	50	-4.70	-0.0025	PASS

N30

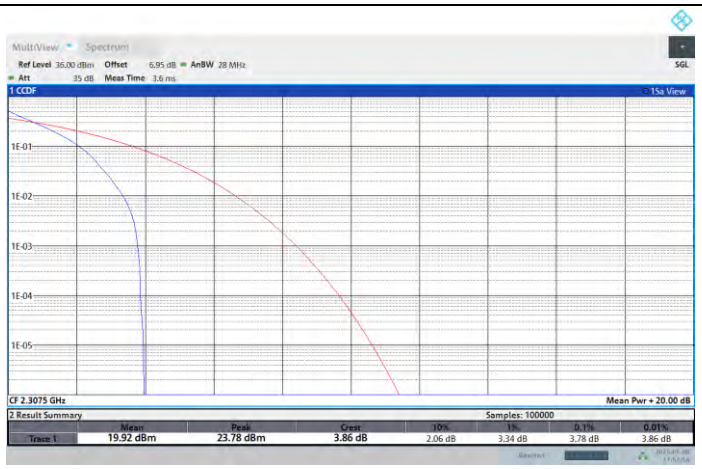
PEAK-TO-AVERAGE RATIO FOR SA

Peak-to-Average Ratio(CCDF)

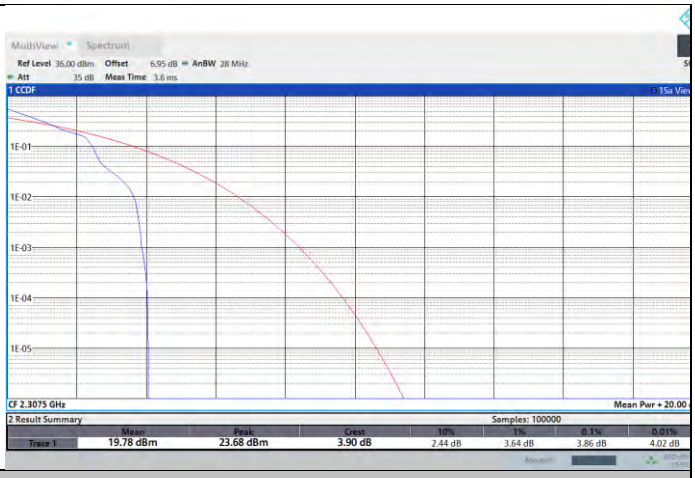
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N30	15	5	DFT-PI2BPSK	L	Outer_Full	3.78	≤13	PASS
N30	15	5	DFT-PI2BPSK	L	Edge_1RB_Left	3.86	≤13	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	5.58	≤13	PASS
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	5.90	≤13	PASS
N30	15	5	DFT-16QAM	L	Outer_Full	6.24	≤13	PASS
N30	15	5	DFT-16QAM	L	Edge_1RB_Left	6.34	≤13	PASS
N30	15	5	DFT-64QAM	L	Outer_Full	6.58	≤13	PASS
N30	15	5	DFT-64QAM	L	Edge_1RB_Left	6.36	≤13	PASS
N30	15	5	DFT-256QAM	L	Outer_Full	6.70	≤13	PASS
N30	15	5	DFT-256QAM	L	Edge_1RB_Left	6.70	≤13	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	4.32	≤13	PASS
N30	15	5	DFT-PI2BPSK	M	Outer_Full	3.84	≤13	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	5.14	≤13	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	5.84	≤13	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	6.06	≤13	PASS
N30	15	5	DFT-16QAM	M	Edge_1RB_Left	6.62	≤13	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	6.52	≤13	PASS
N30	15	5	DFT-64QAM	M	Edge_1RB_Left	6.52	≤13	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	6.78	≤13	PASS
N30	15	5	DFT-256QAM	M	Edge_1RB_Left	6.70	≤13	PASS
N30	15	5	DFT-PI2BPSK	H	Outer_Full	3.80	≤13	PASS
N30	15	5	DFT-PI2BPSK	H	Edge_1RB_Left	3.74	≤13	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	5.28	≤13	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	5.32	≤13	PASS
N30	15	5	DFT-16QAM	H	Outer_Full	6.04	≤13	PASS
N30	15	5	DFT-16QAM	H	Edge_1RB_Left	6.06	≤13	PASS
N30	15	5	DFT-64QAM	H	Outer_Full	6.42	≤13	PASS
N30	15	5	DFT-64QAM	H	Edge_1RB_Left	6.26	≤13	PASS
N30	15	5	DFT-256QAM	H	Outer_Full	6.78	≤13	PASS
N30	15	5	DFT-256QAM	H	Edge_1RB_Left	6.66	≤13	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	4.04	≤13	PASS
N30	15	10	DFT-PI2BPSK	M	Edge_1RB_Left	3.86	≤13	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	5.32	≤13	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	5.84	≤13	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	6.14	≤13	PASS
N30	15	10	DFT-16QAM	M	Edge_1RB_Left	6.52	≤13	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	6.56	≤13	PASS
N30	15	10	DFT-64QAM	M	Edge_1RB_Left	6.72	≤13	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	6.84	≤13	PASS
N30	15	10	DFT-256QAM	M	Edge_1RB_Left	6.64	≤13	PASS

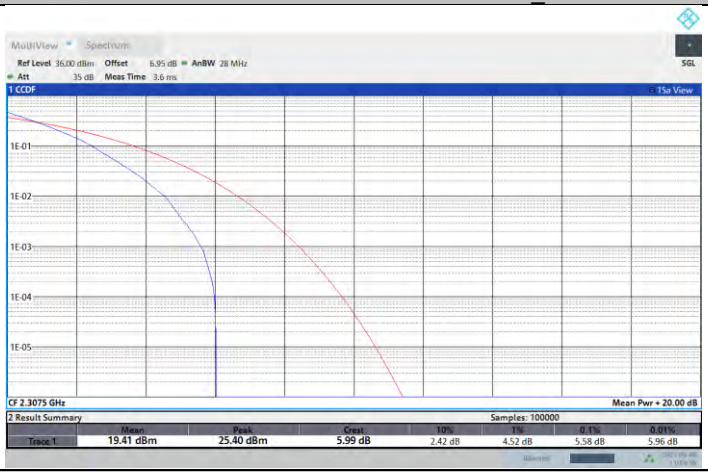
Test Graphs



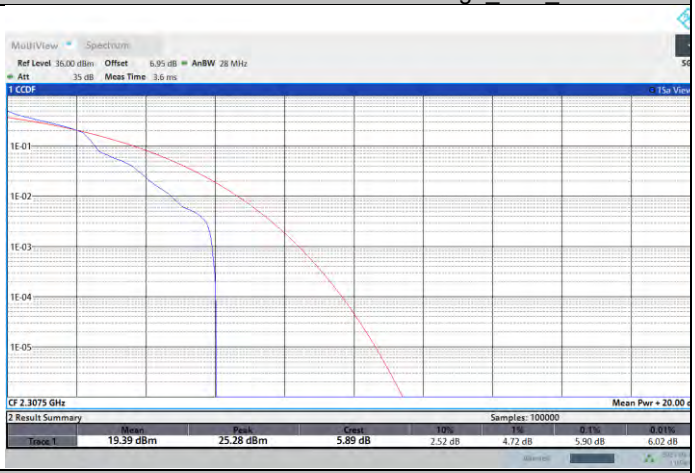
NTNV-N30-PC3-15-5-L-DFT-PI2BPSK-Outer_Full-PASS



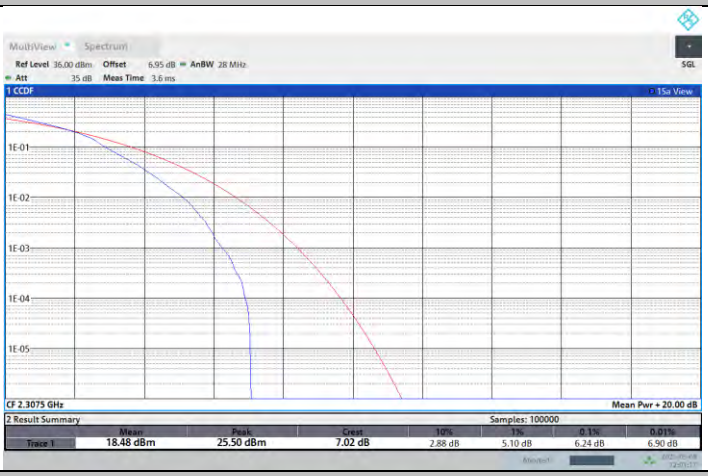
NTNV-N30-PC3-15-5-L-DFT-PI2BPSK-Edge_1RB_Left-PASS



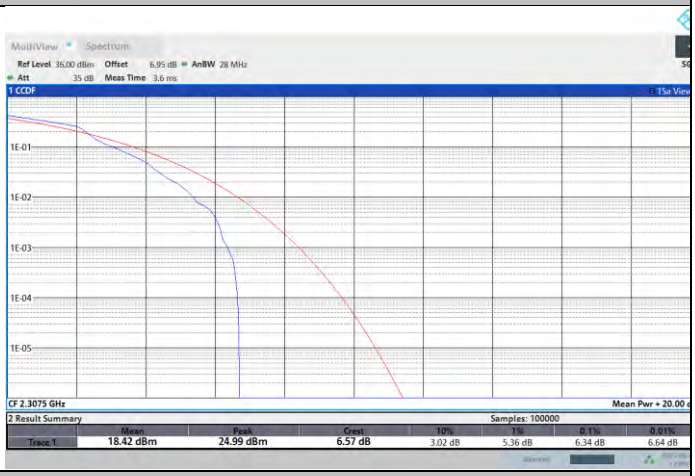
NTNV-N30-PC3-15-5-L-DFT-QPSK-Outer_Full-PASS



NTNV-N30-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-PASS

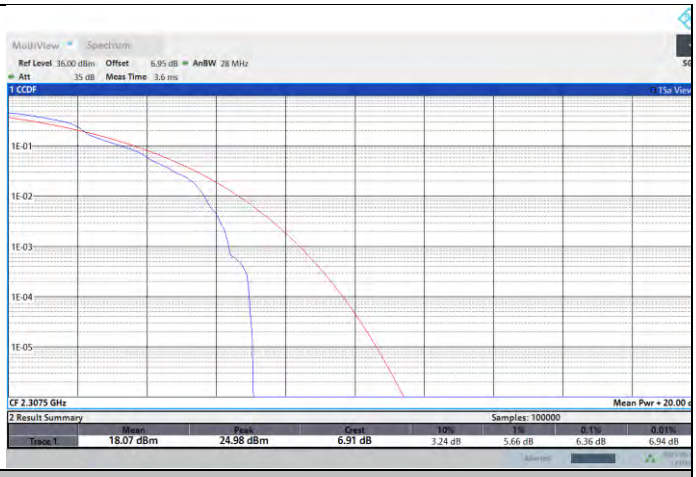


NTNV-N30-PC3-15-5-L-DFT-16QAM-Outer_Full-PASS



NTNV-N30-PC3-15-5-L-DFT-16QAM-Edge_1RB_Left-PASS

NTNV-N30-PC3-15-5-L-DFT-64QAM-Outer_Full-PASS



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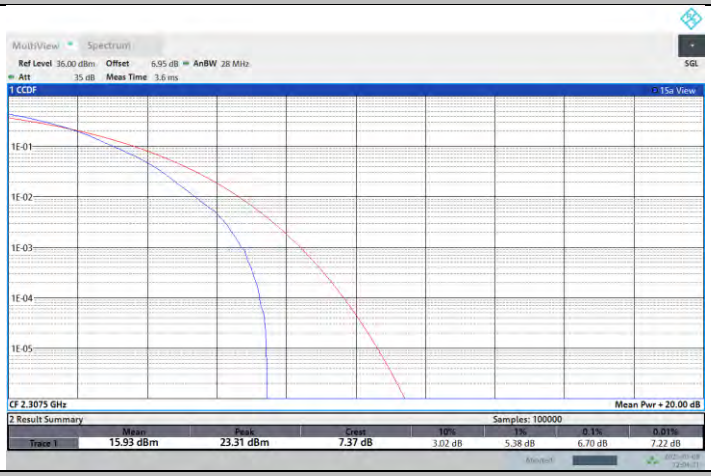
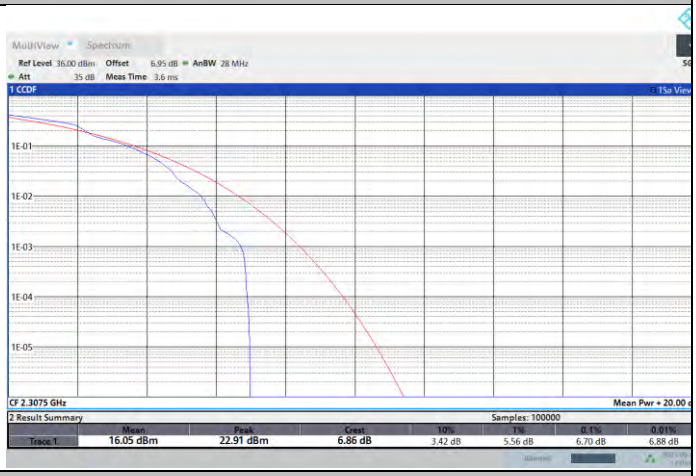
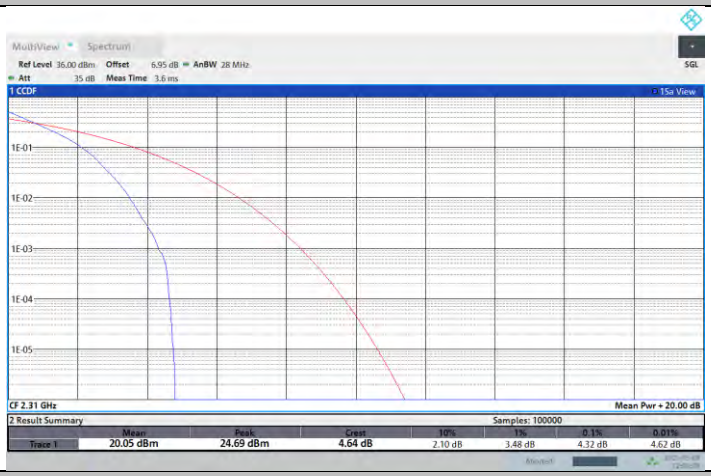


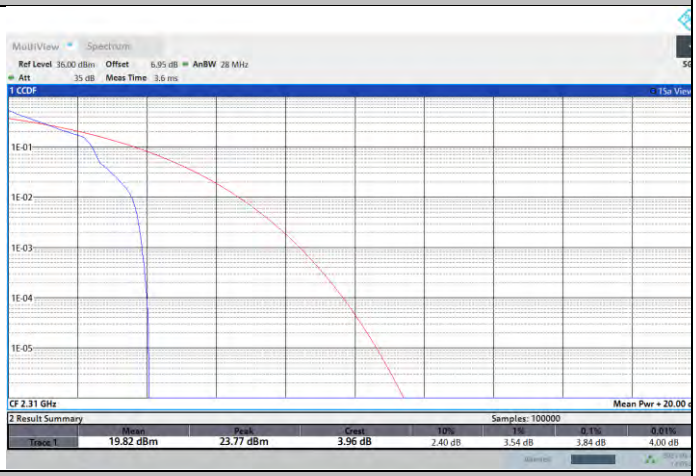
NTNV-N30-PC3-15-5-L-DFT-256QAM-Outer_Full-PASS



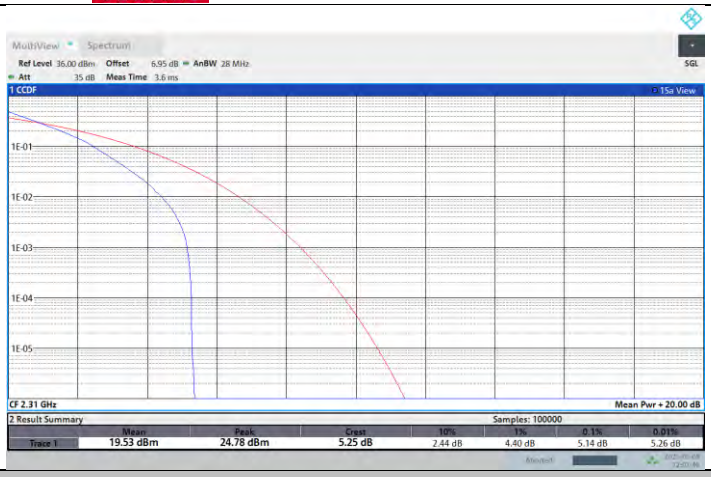
NTNV-N30-PC3-15-5-L-DFT-256QAM-Edge_1RB_Left-PASS



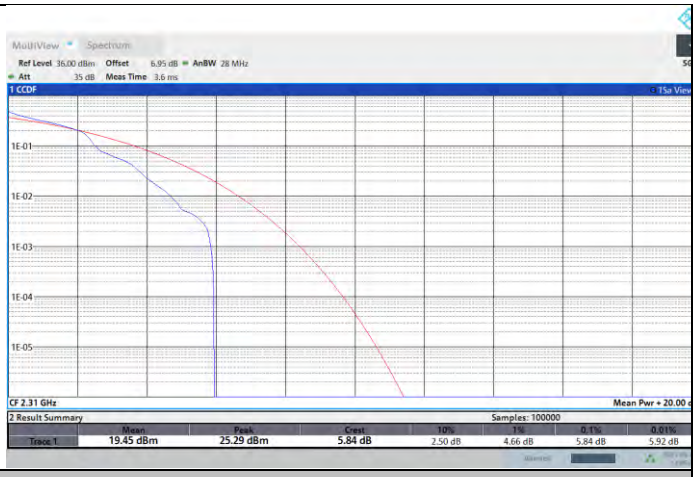
NTNV-N30-PC3-15-5-M-DFT-PI2BPSK-Outer_Full-PASS



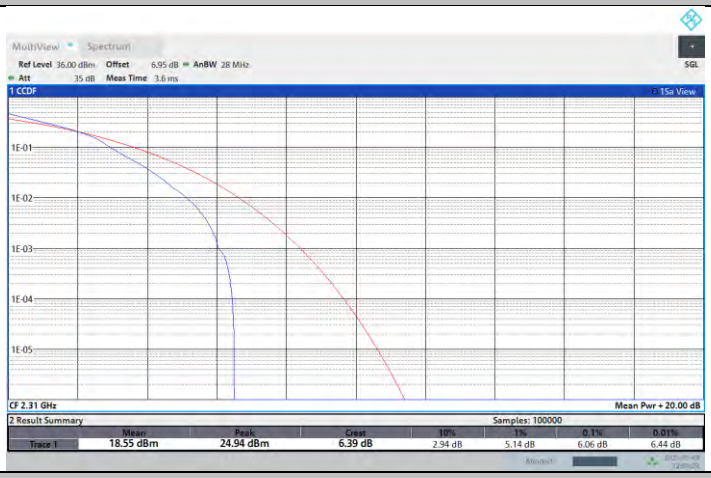
NTNV-N30-PC3-15-5-M-DFT-PI2BPSK-Edge_1RB_Left-PASS



NTNV-N30-PC3-15-5-M-DFT-QPSK-Outer_Full-PASS



NTNV-N30-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-PASS



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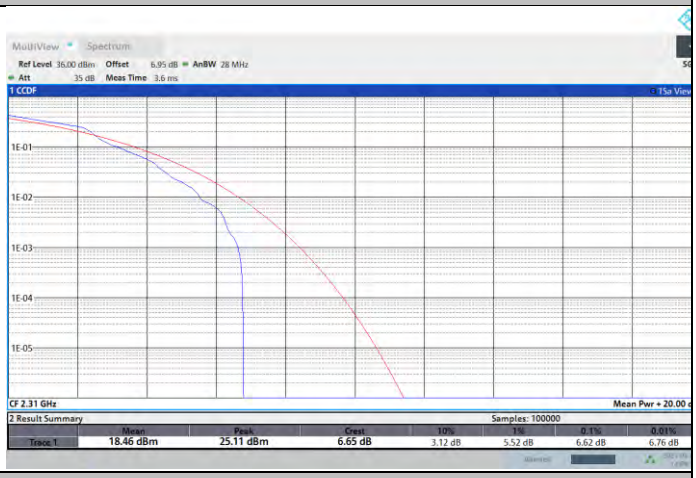

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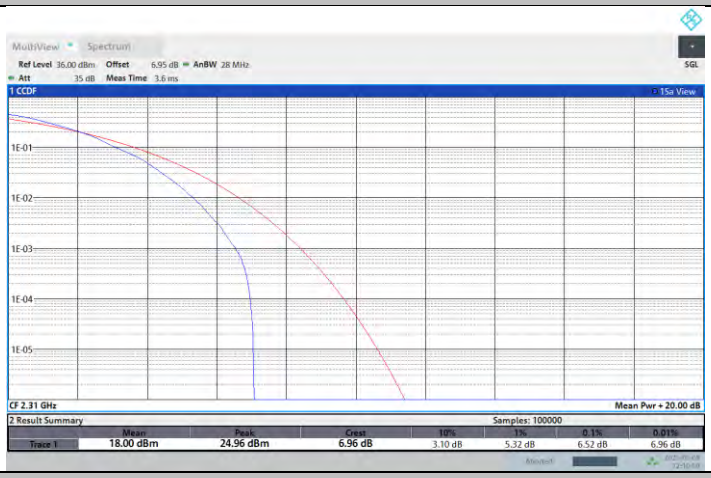

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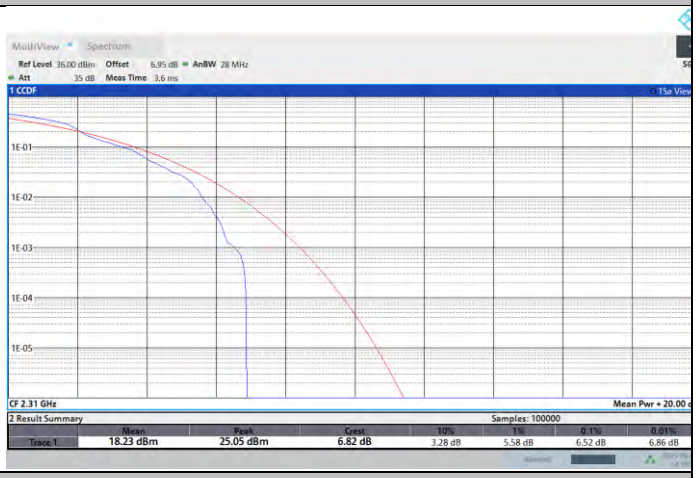
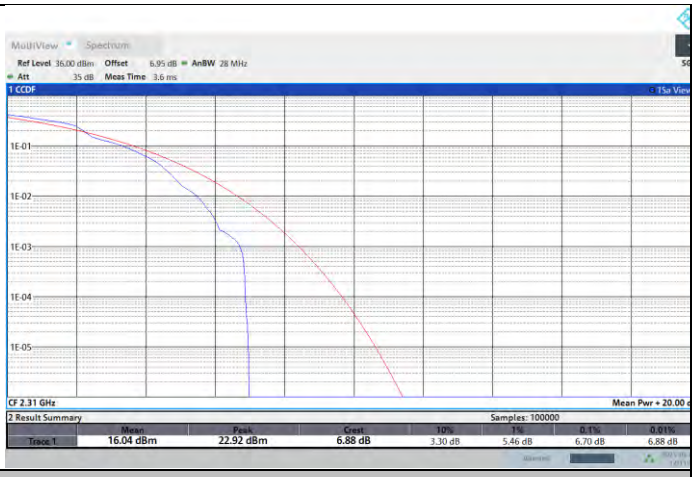


NTNV-N30-PC3-15-5-M-DFT-64QAM-Edge_1RB_Left-PASS

NTNV-N30-PC3-15-5-M-DFT-256QAM-Outer_Full-PASS



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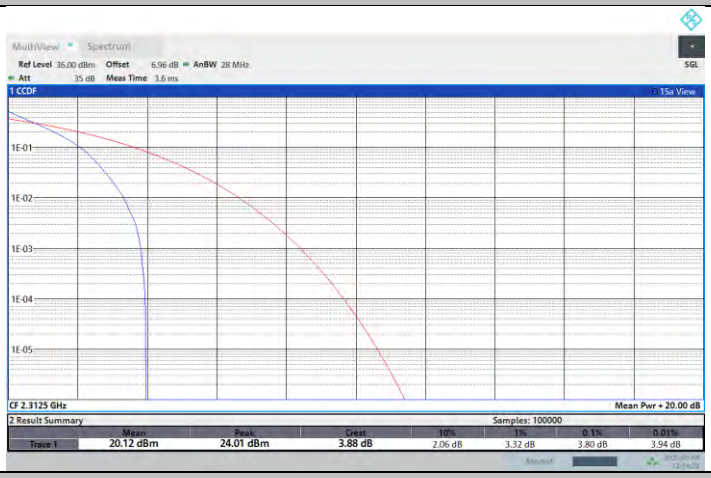
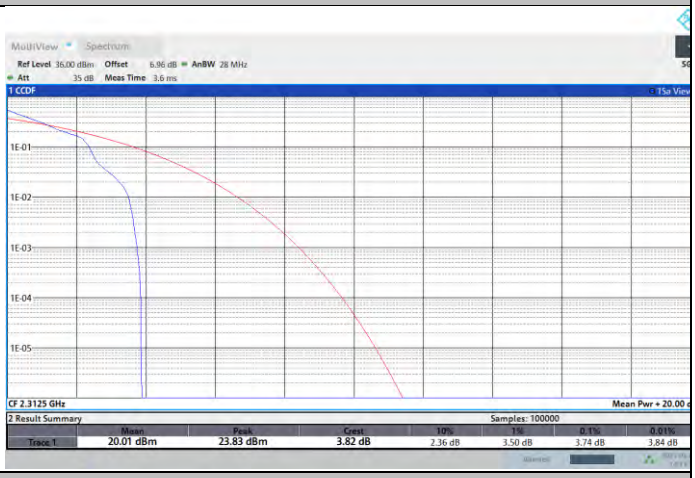


NTNV-N30-PC3-15-5-H-DFT-PI2BPSK-Outer_Full-PASS



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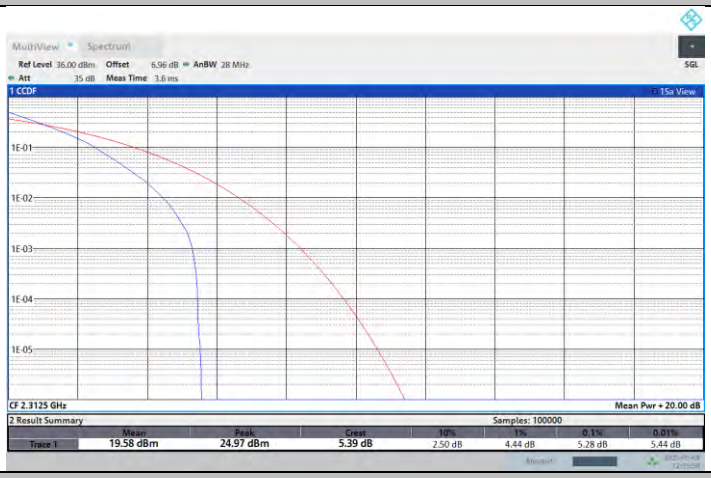

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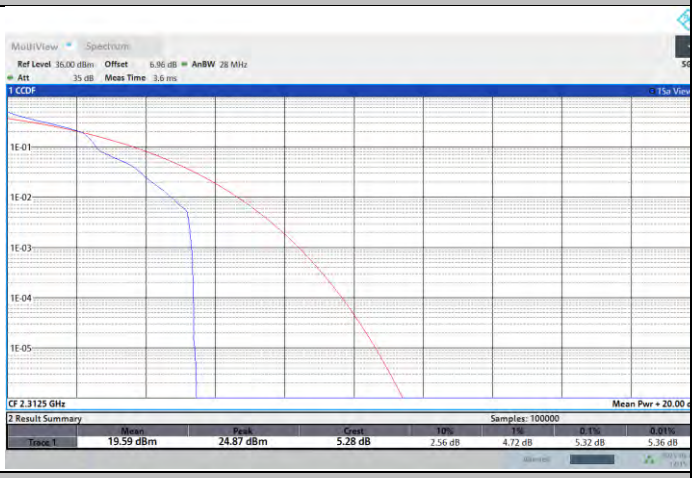
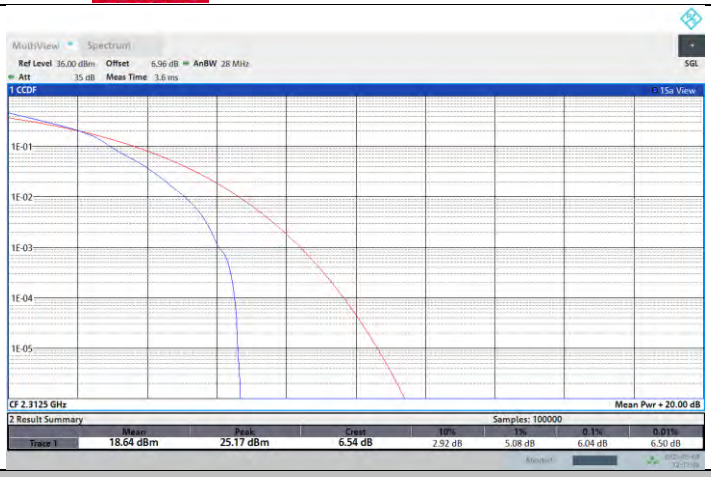


NTNV-N30-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-PASS



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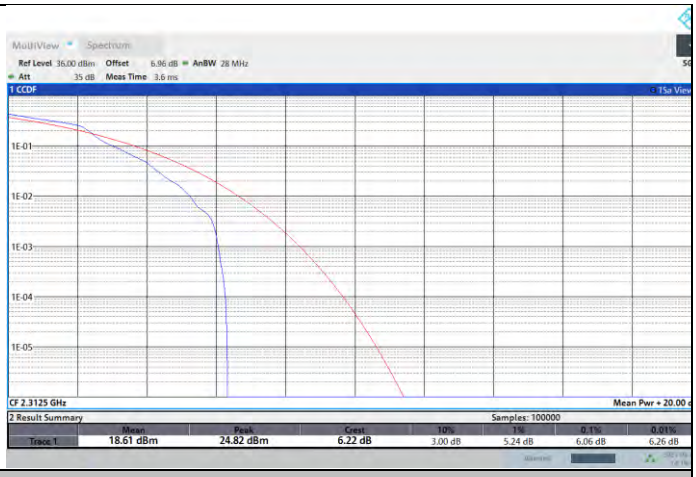
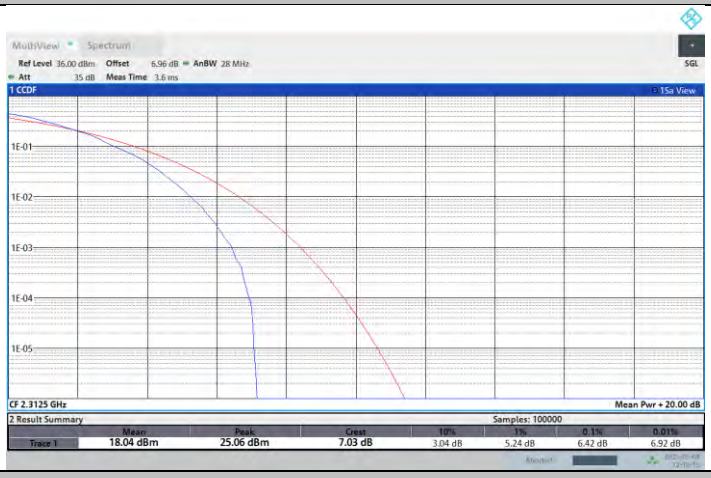


NTNV-N30-PC3-15-5-H-DFT-16QAM-Edge_1RB_Left-PASS



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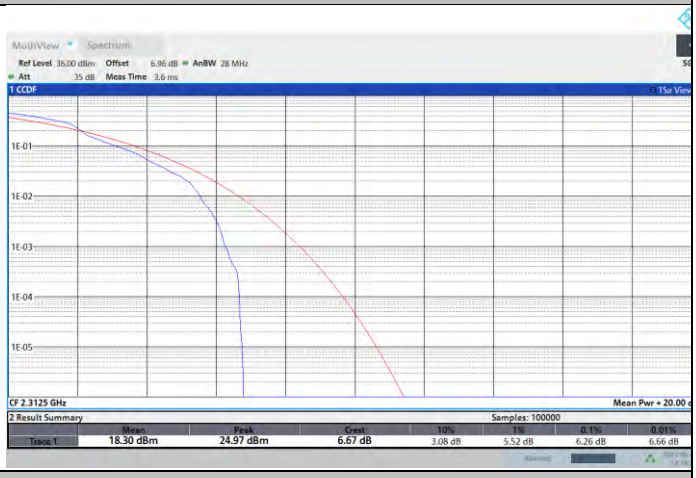

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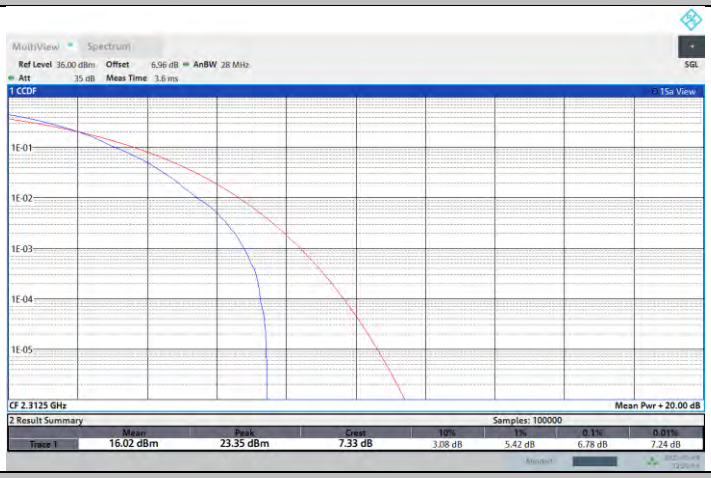

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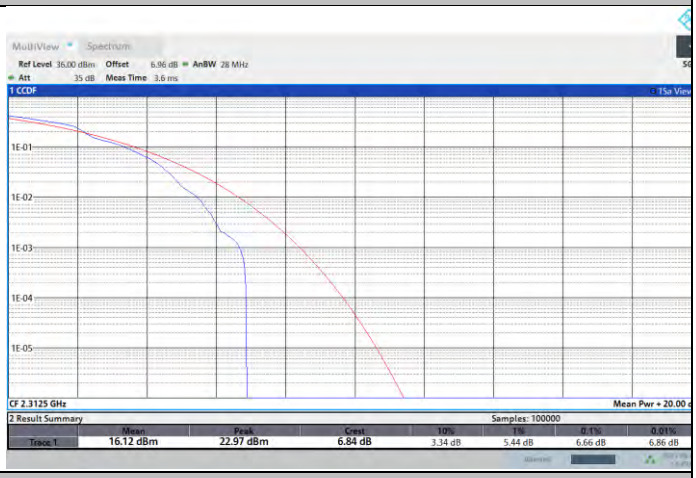

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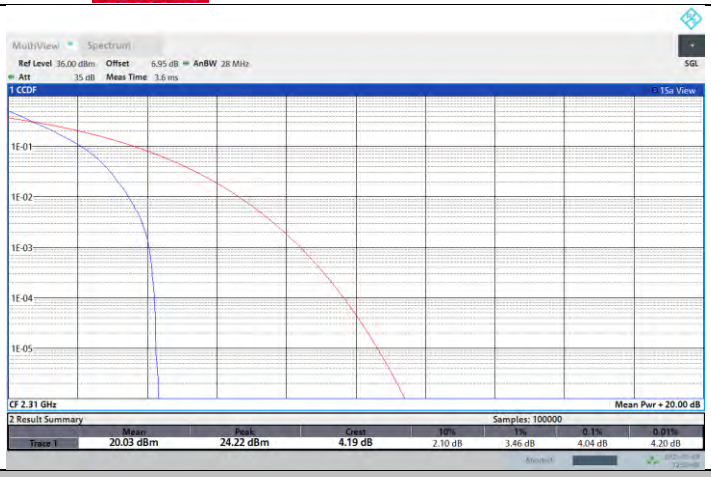
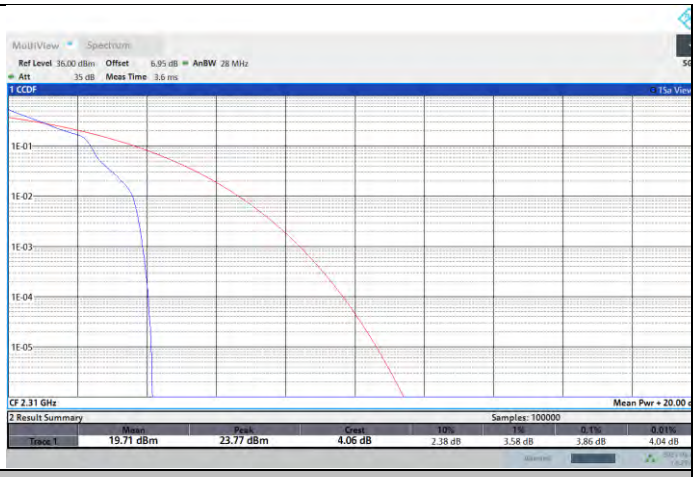


NTNV-N30-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-PASS



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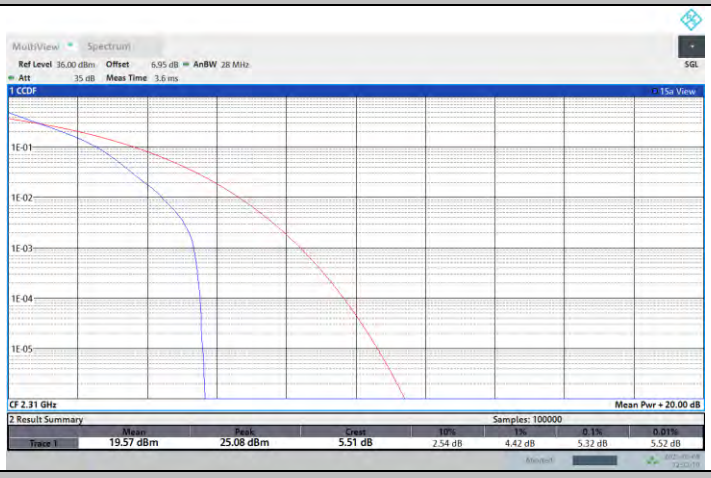

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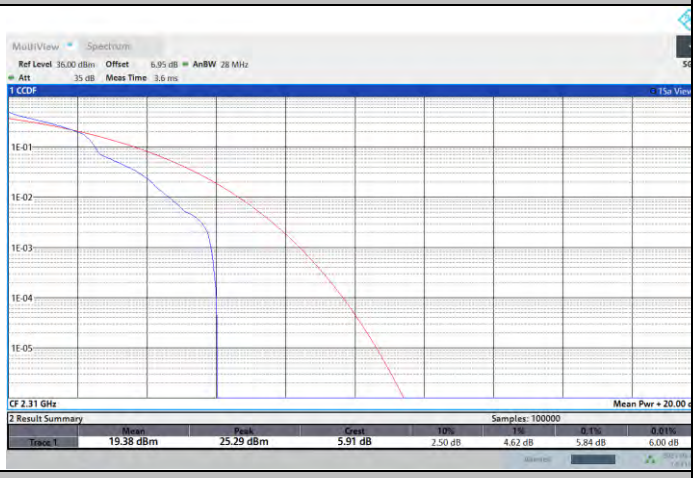

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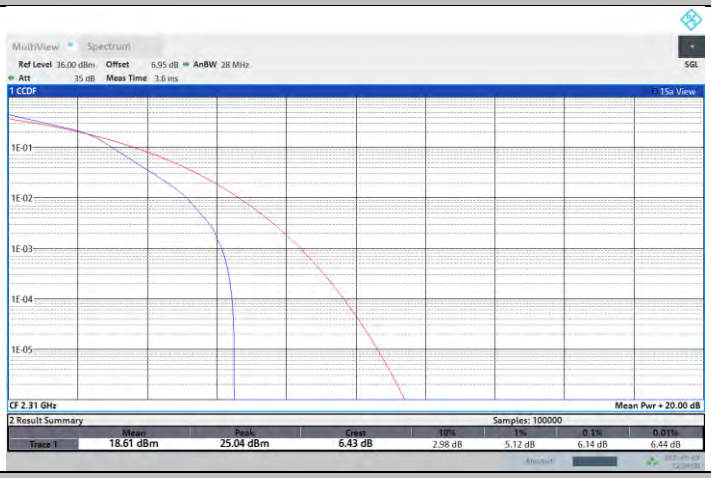
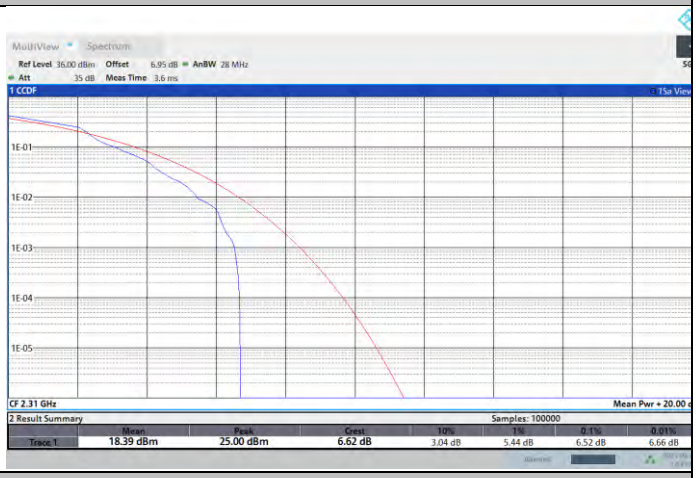


NTNV-N30-PC3-15-10-M-DFT-16QAM-Outer_Full-PASS



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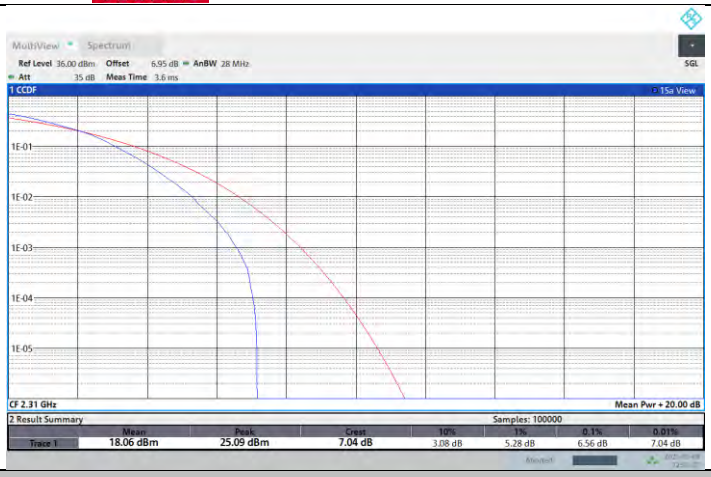

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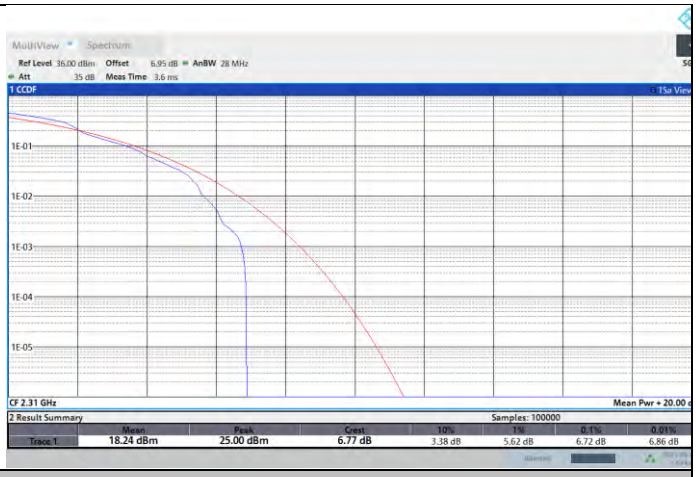

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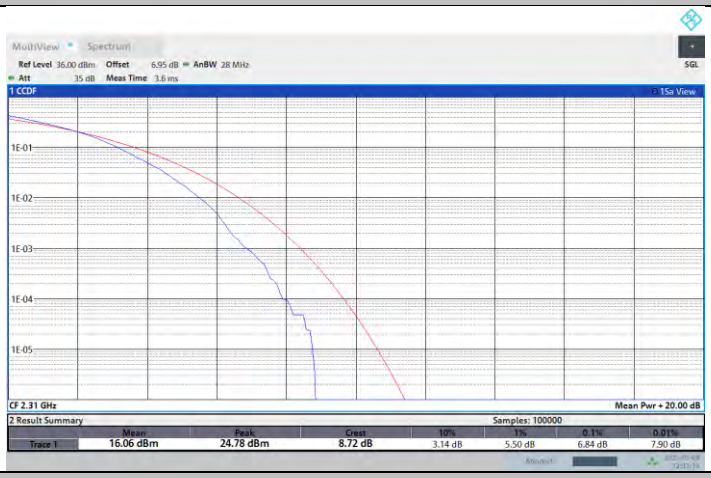
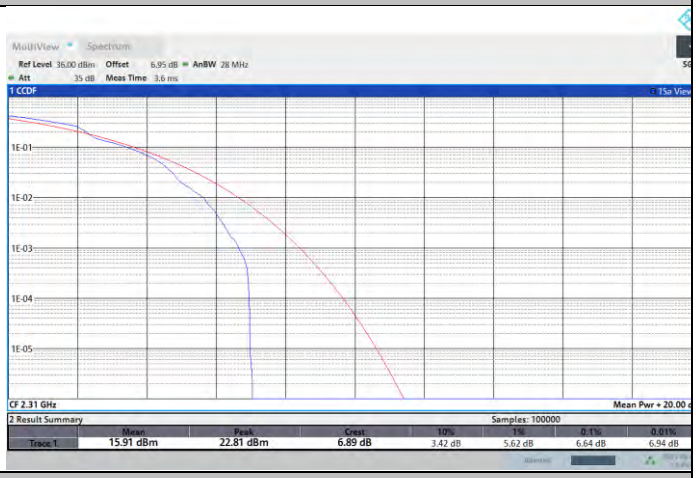


NTNV-N30-PC3-15-10-M-DFT-256QAM-Outer_Full-PASS



NTNV-N30-PC3-15-10-M-DFT-256QAM-Edge_1RB_Left-PASS

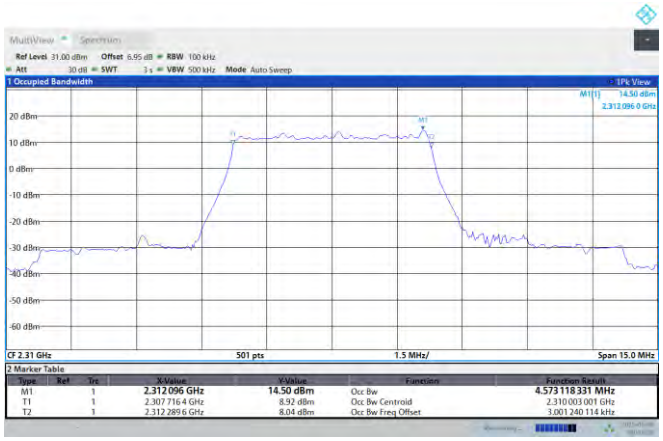
26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

Test Result

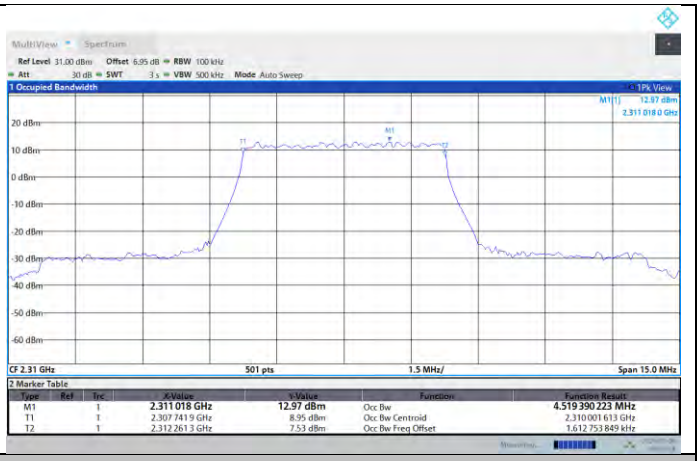
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N30	15	5	DFT-PI2BPSK	M	Outer_Full	4.573	5.29	PASS
N30	15	5	DFT-QPSK	M	Outer_Full	4.519	5.28	PASS
N30	15	5	DFT-16QAM	M	Outer_Full	4.512	5.14	PASS
N30	15	5	DFT-64QAM	M	Outer_Full	5.543	5.21	PASS
N30	15	5	DFT-256QAM	M	Outer_Full	4.526	5.20	PASS
N30	15	10	DFT-PI2BPSK	M	Outer_Full	9.029	9.92	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	8.993	9.77	PASS
N30	15	10	DFT-16QAM	M	Outer_Full	8.988	9.80	PASS
N30	15	10	DFT-64QAM	M	Outer_Full	9.031	10.01	PASS
N30	15	10	DFT-256QAM	M	Outer_Full	9.018	9.86	PASS

Test Graphs

Occupied Bandwidth



NTNV-N30-PC3-15-5-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



NTNV-N30-PC3-15-5-M-DFT-QPSK-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-5-M-DFT-16QAM-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-5-M-DFT-64QAM-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS

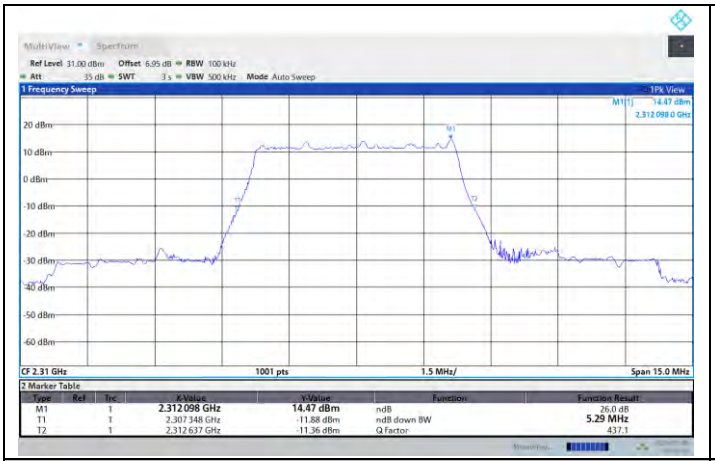
NTNV-N30-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant1-PASS

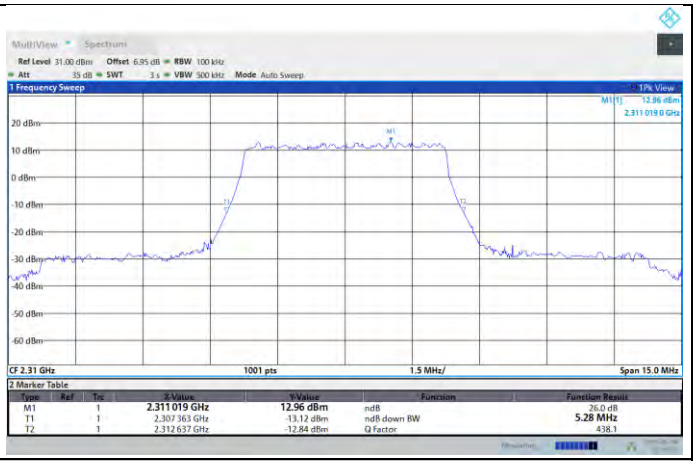
NTNV-N30-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant1-PASS

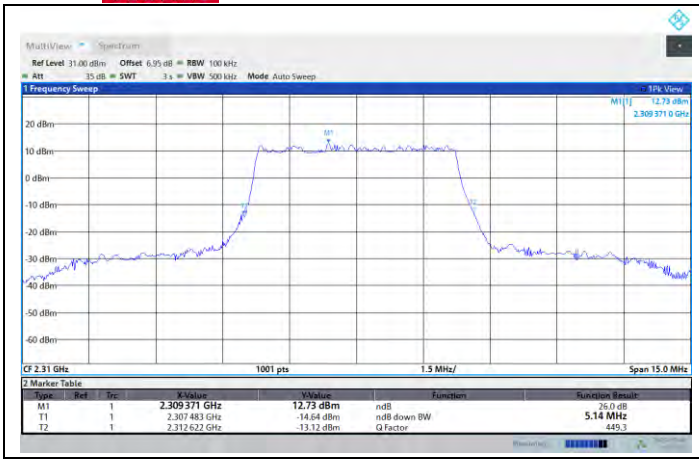
26dB Bandwidth



NTNV-N30-PC3-15-5-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS



NTNV-N30-PC3-15-5-M-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N30-PC3-15-5-M-DFT-16QAM-Outer_Full-Ant1-PASS

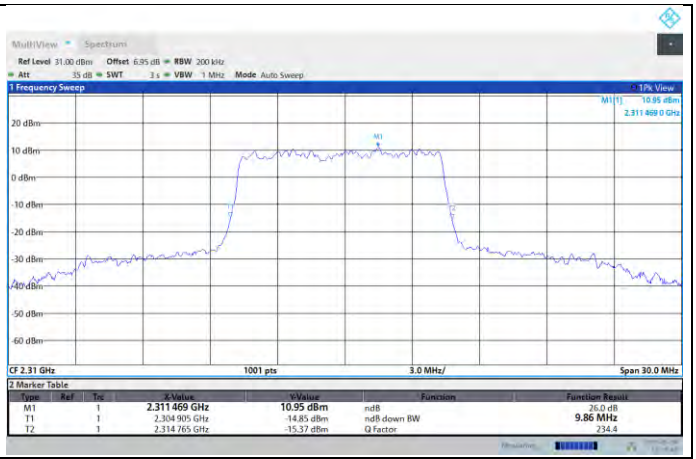
NTNV-N30-PC3-15-5-M-DFT-64QAM-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-PASS

NTNV-N30-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant1-PASS

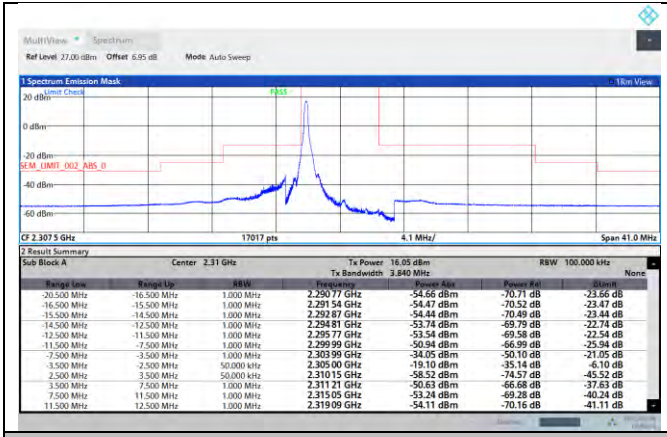
	
NTNV-N30-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant1-PASS	NTNV-N30-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant1-PASS

BAND EDGE FOR SA

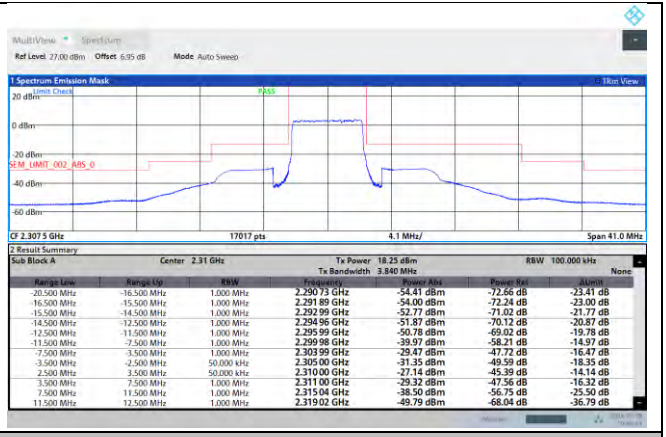
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	See Graph	PASS
N30	15	5	DFT-QPSK	L	Outer_Full	See Graph	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Right	See Graph	PASS
N30	15	5	DFT-QPSK	H	Outer_Full	See Graph	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	See Graph	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	See Graph	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Right	See Graph	PASS

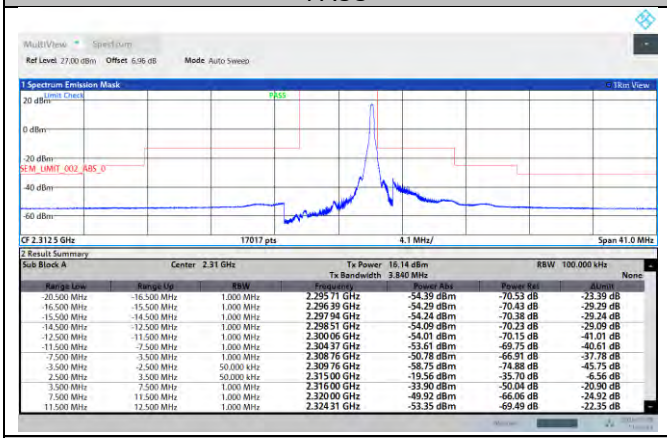
Test Graphs



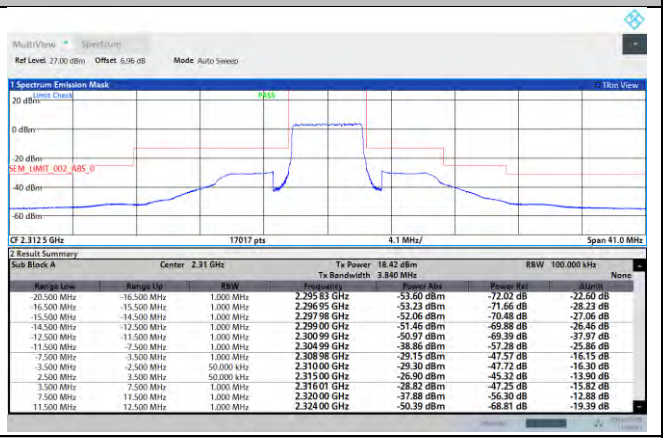
NTNV-N30-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



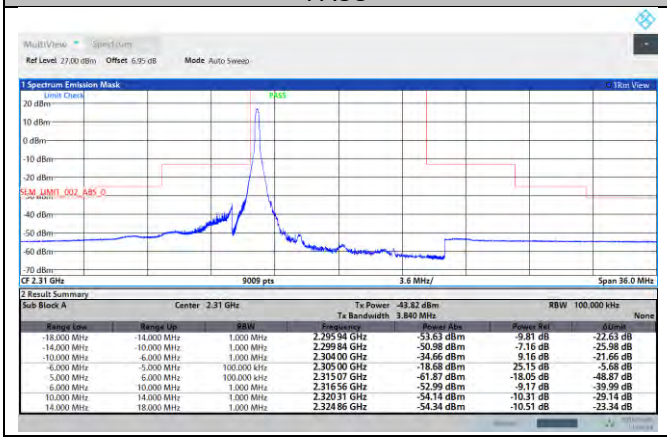
NTNV-N30-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant1-PASS



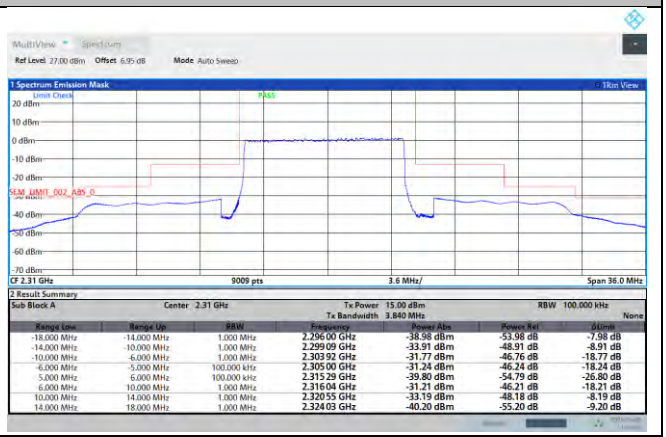
NTNV-N30-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS



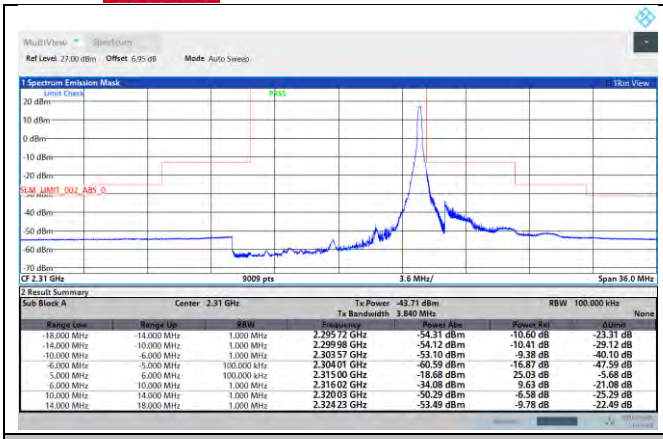
NTNV-N30-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N30-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N30-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-PASS



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-18.000 MHz	-14.000 MHz	1.000 MHz	2.295 72 GHz	-54.31 dBm	-10.60 dB	-23.31 dB
-14.000 MHz	-10.000 MHz	1.000 MHz	2.299 98 GHz	-54.12 dBm	-10.41 dB	-29.12 dB
-10.000 MHz	-6.000 MHz	1.000 MHz	2.303 57 GHz	-53.10 dBm	-9.38 dB	-40.10 dB
-6.000 MHz	-5.000 MHz	100.000 kHz	2.304 01 GHz	-60.59 dBm	-16.87 dB	-47.59 dB
5.000 MHz	6.000 MHz	100.000 kHz	2.315 00 GHz	-18.68 dBm	25.03 dB	-5.68 dB
6.000 MHz	10.000 MHz	1.000 MHz	2.316 02 GHz	-34.08 dBm	9.63 dB	-21.08 dB
10.000 MHz	14.000 MHz	1.000 MHz	2.320 03 GHz	-50.29 dBm	-6.58 dB	-25.29 dB
14.000 MHz	18.000 MHz	1.000 MHz	2.324 23 GHz	-53.49 dBm	-9.78 dB	-22.49 dB

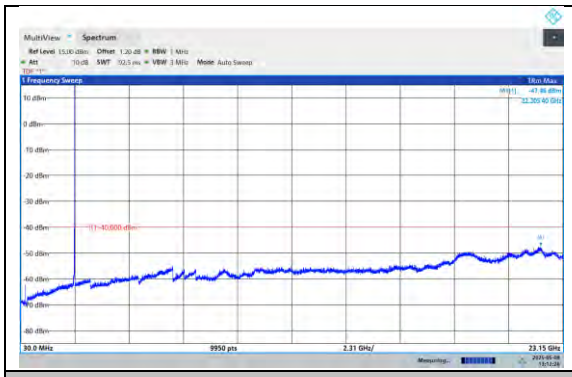
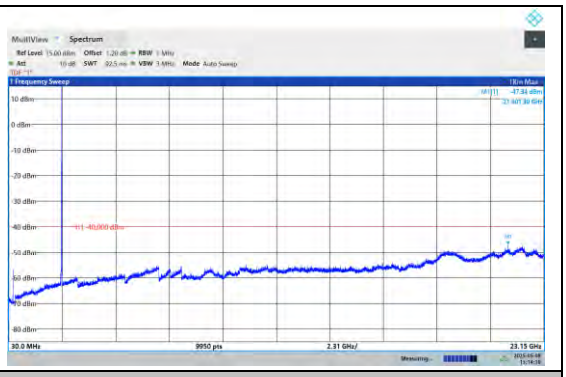
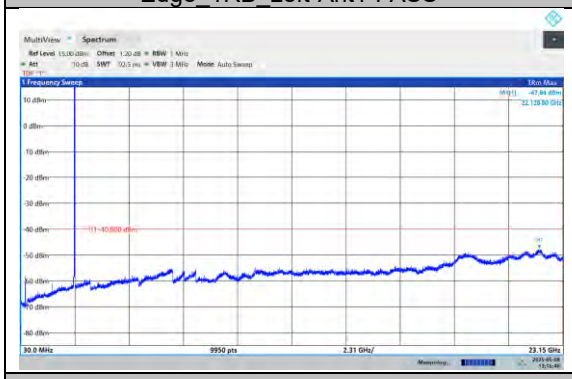
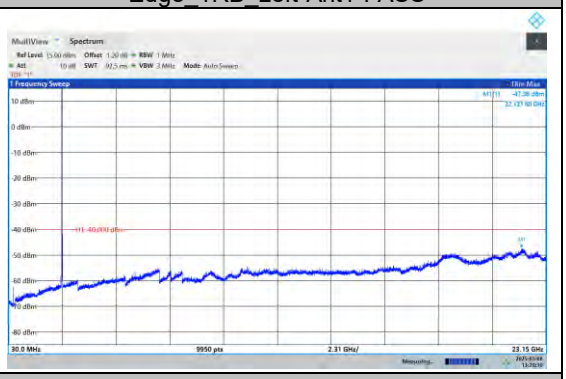
NTNV-N30-PC3-15-10-M-DFT-QPSK-Edge_1RB_Right-Ant1-PASS

CONDUCTED SPURIOUS EMISSION FOR SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N30	15	5	DFT-QPSK	L	Edge_1RB_Left	30	7980	See Graph	-13	PASS
N30	15	5	DFT-QPSK	M	Edge_1RB_Left	30	7980	See Graph	-13	PASS
N30	15	5	DFT-QPSK	H	Edge_1RB_Left	30	7980	See Graph	-13	PASS
N30	15	10	DFT-QPSK	M	Edge_1RB_Left	30	7980	See Graph	-13	PASS

Test Graphs

	
NTNV-N30-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS	NTNV-N30-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS
	
NTNV-N30-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS	NTNV-N30-PC3-15-10-M-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)	Verdict
N30	15	10	DFT-QPSK	M	Outer_Full	VL	NT	7.69	0.0033	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	VN	NT	-9.68	-0.0042	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	VH	NT	-23.24	-0.0101	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N30	15	10	DFT-QPSK	M	Outer_Full	NV	-30	-11.49	-0.0050	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	-20	22.36	0.0097	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	-10	-13.97	-0.0060	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	0	-2.72	-0.0012	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	10	7.67	0.0033	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	20	8.65	0.0037	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	30	-19.91	-0.0086	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	40	2.77	0.0012	PASS
N30	15	10	DFT-QPSK	M	Outer_Full	NV	50	-20.26	-0.0088	PASS

N41 (INCLUDING N38)

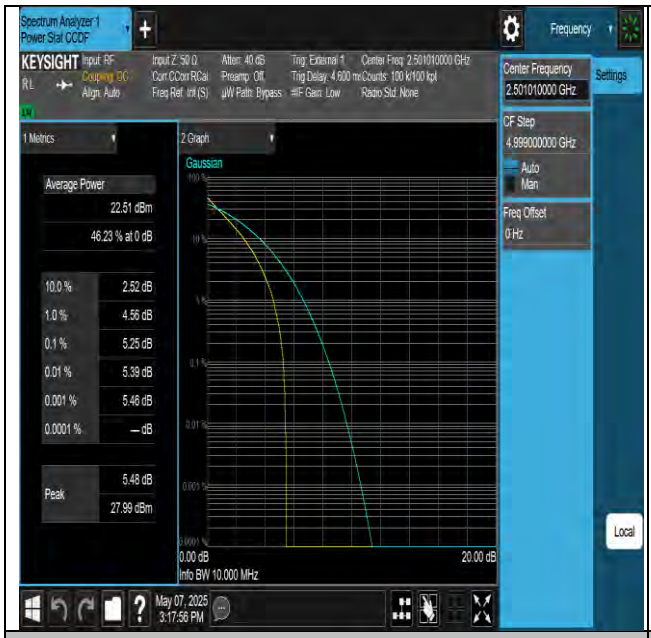
PEAK-TO-AVERAGE RATIO FOR SA

Peak-to-Average Ratio(CCDF)

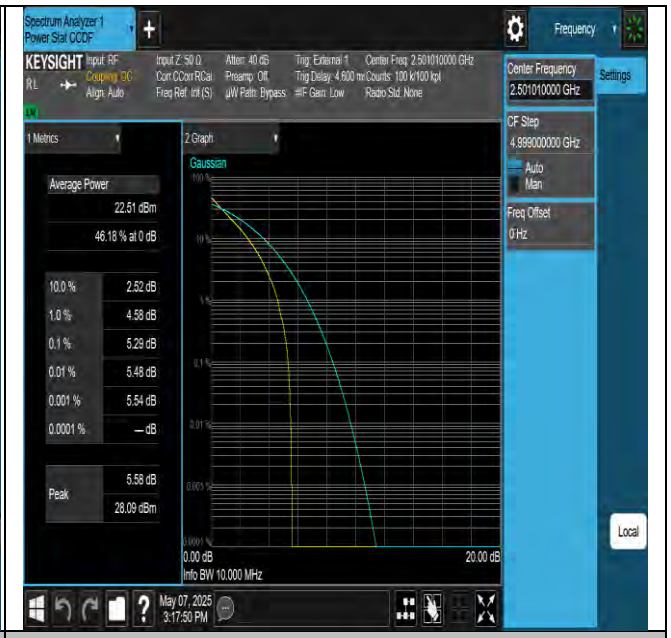
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	10	DFT-QPSK	L	Edge_1RB_Left	5.25	≤13	PASS
N41	30	10	DFT-QPSK	L	Outer_Full	5.29	≤13	PASS
N41	30	10	DFT-QPSK	M	Edge_1RB_Left	5.58	≤13	PASS
N41	30	10	DFT-QPSK	M	Outer_Full	5.59	≤13	PASS
N41	30	10	DFT-QPSK	H	Edge_1RB_Left	5.09	≤13	PASS
N41	30	10	DFT-QPSK	H	Outer_Full	5.20	≤13	PASS
N41	30	15	DFT-QPSK	L	Edge_1RB_Left	4.94	≤13	PASS
N41	30	15	DFT-QPSK	L	Outer_Full	4.97	≤13	PASS
N41	30	15	DFT-QPSK	M	Edge_1RB_Left	5.31	≤13	PASS
N41	30	15	DFT-QPSK	M	Outer_Full	5.33	≤13	PASS
N41	30	15	DFT-QPSK	H	Edge_1RB_Left	4.80	≤13	PASS
N41	30	15	DFT-QPSK	H	Outer_Full	4.78	≤13	PASS
N41	30	20	DFT-QPSK	L	Edge_1RB_Left	4.67	≤13	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	4.68	≤13	PASS
N41	30	20	DFT-QPSK	M	Edge_1RB_Left	5.24	≤13	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	5.28	≤13	PASS
N41	30	20	DFT-QPSK	H	Edge_1RB_Left	4.98	≤13	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	5.06	≤13	PASS

Test Graphs



NTNV-N41-PC3-30-10-L-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N41-PC3-30-10-L-DFT-QPSK-Outer_Full-PASS

NTNV-N41-PC3-30-10-M-DFT-QPSK-Edge_1RB_Left-PASS

NTNV-N41-PC3-30-10-M-DFT-QPSK-Outer_Full-PASS

NTNV-N41-PC3-30-10-H-DFT-QPSK-Edge_1RB_Left-PASS

NTNV-N41-PC3-30-10-H-DFT-QPSK-Outer_Full-PASS

NTNV-N41-PC3-30-15-L-DFT-QPSK-Edge_1RB_Left-PASS

NTNV-N41-PC3-30-15-L-DFT-QPSK-Outer_Full-PASS