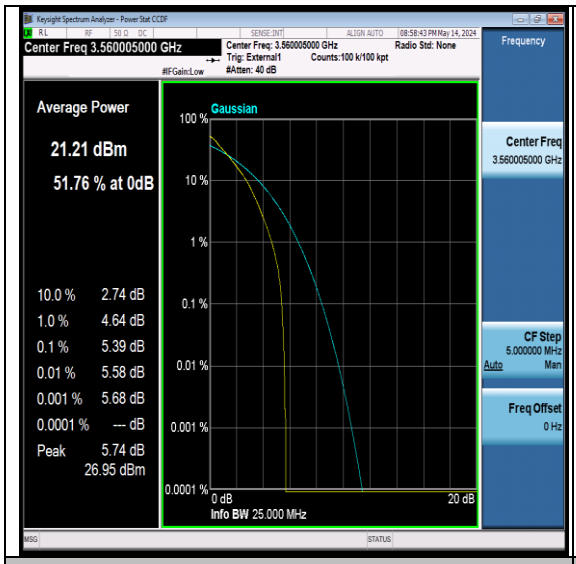
APPENDIX D

N48

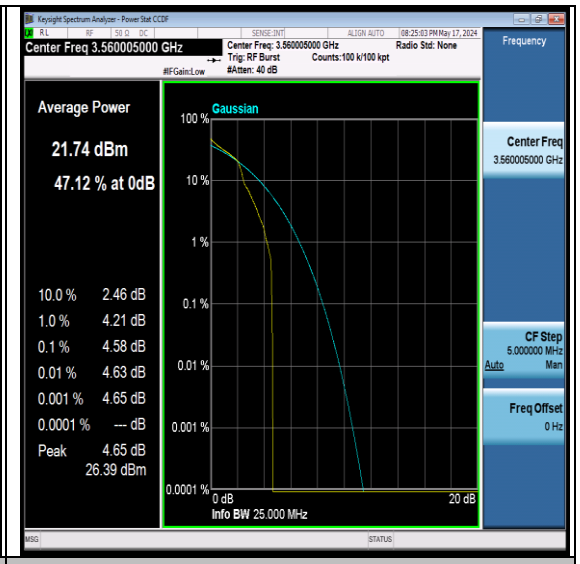
PEAK-TO-AVERAGE RATIO(CCDF)
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N48	30	20	DFT-QPSK	L	Outer_Full	5.39	≤13	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	4.58	≤13	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	5.60	≤13	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	4.53	≤13	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	5.48	≤13	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	4.38	≤13	PASS

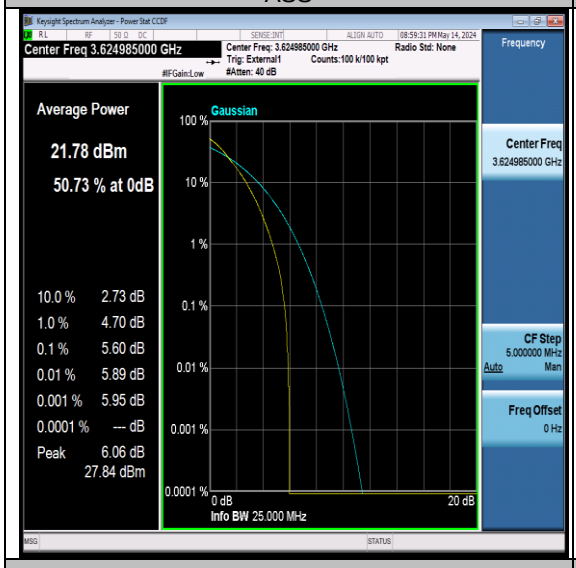
TEST GRAPHS



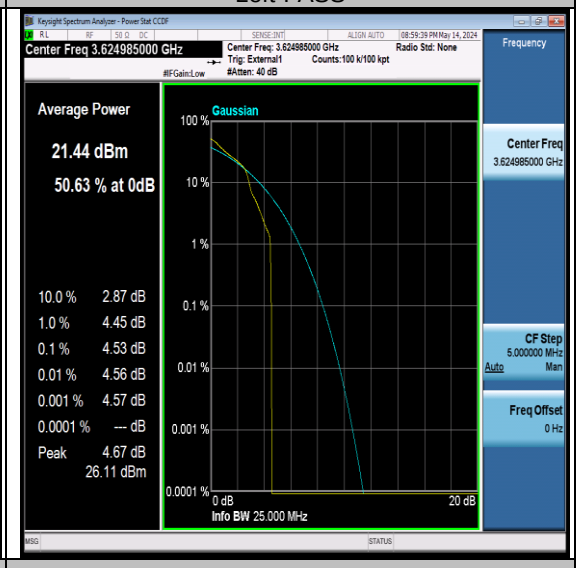
NTNV-N48-PC3-30-20-L-DFT-QPSK-Outer_Full-PASS



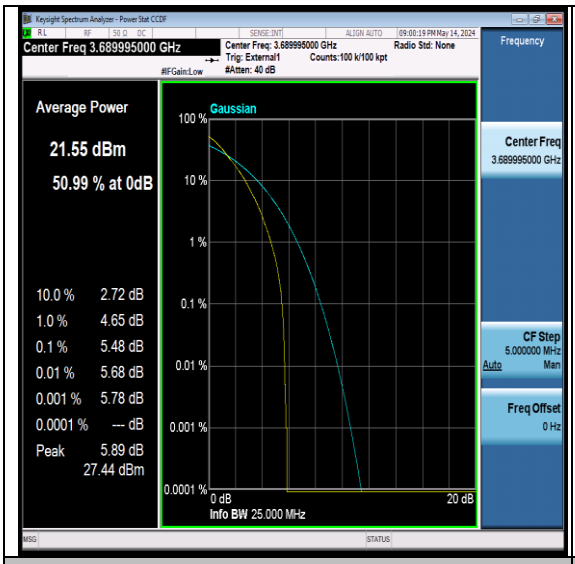
NTNV-N48-PC3-30-20-L-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N48-PC3-30-20-M-DFT-QPSK-Outer_Full-PASS



NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Outer_Full-PASS

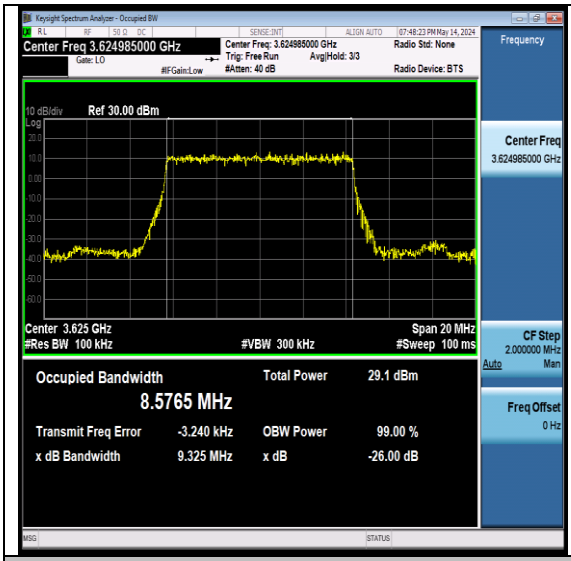
NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_Left-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

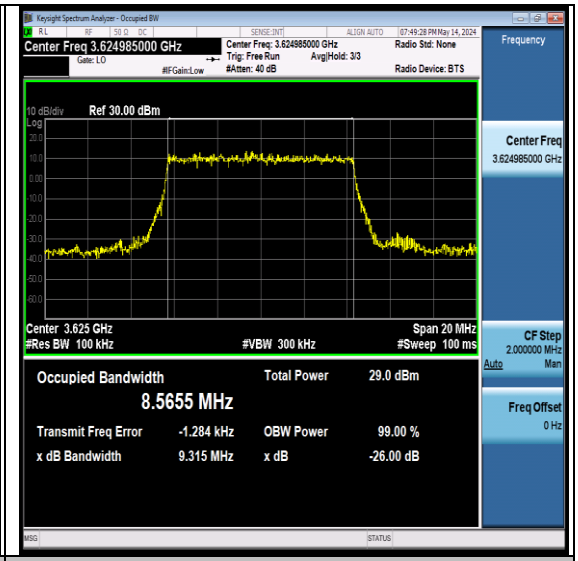
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N48	30	10	DFT-PI2BPSK	M	Outer_Full	8.5765	9.325	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	8.5655	9.315	PASS
N48	30	10	DFT-16QAM	M	Outer_Full	8.5612	9.308	PASS
N48	30	10	DFT-64QAM	M	Outer_Full	8.5577	9.526	PASS
N48	30	10	DFT-256QAM	M	Outer_Full	8.5599	9.388	PASS
N48	30	20	DFT-PI2BPSK	M	Outer_Full	17.788	18.88	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	17.758	18.88	PASS
N48	30	20	DFT-16QAM	M	Outer_Full	17.869	18.88	PASS
N48	30	20	DFT-64QAM	M	Outer_Full	17.790	19.13	PASS
N48	30	20	DFT-256QAM	M	Outer_Full	17.804	18.90	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	35.661	37.29	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	35.720	37.05	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	35.749	37.25	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	35.750	37.30	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	35.723	37.41	PASS

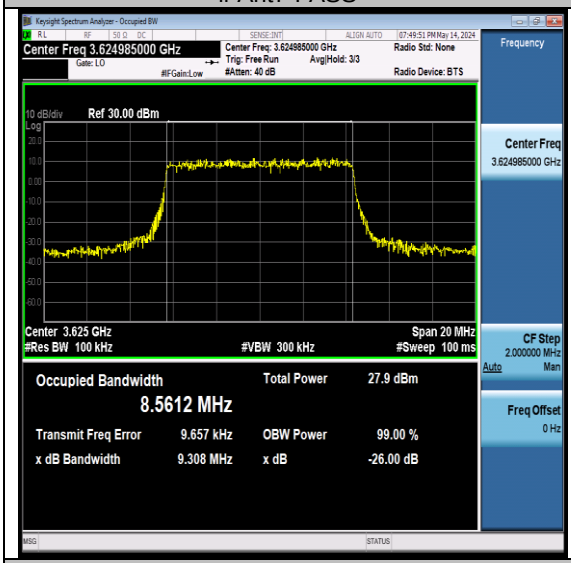
TEST GRAPHS



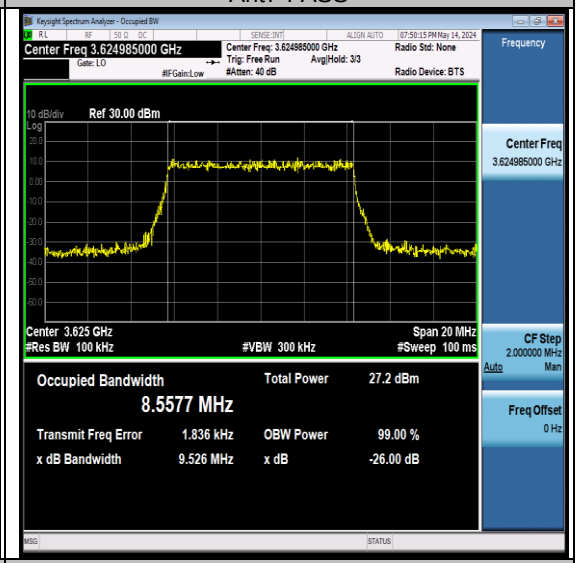
NTNV-N48-PC3-30-10-M-DFT-PI2BPSK-Outer_Full-Ant7-PASS



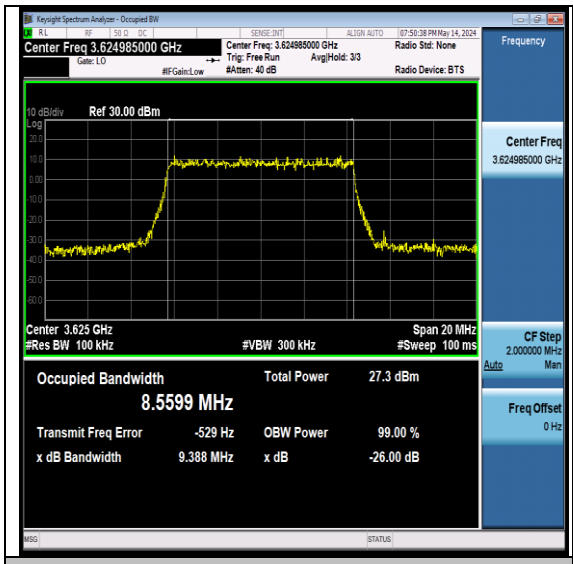
NTNV-N48-PC3-30-10-M-DFT-QPSK-Outer_Full-Ant7-PASS



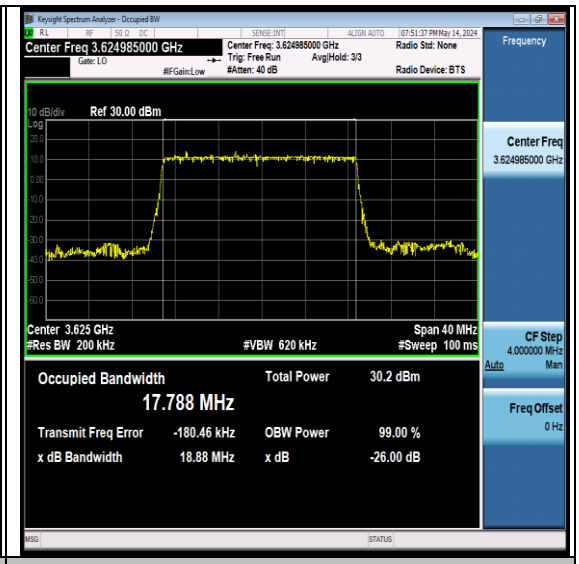
NTNV-N48-PC3-30-10-M-DFT-16QAM-Outer_Full-Ant7-PASS



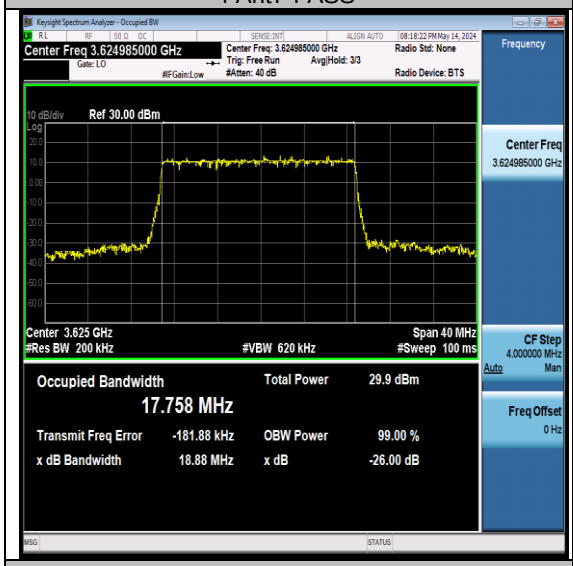
NTNV-N48-PC3-30-10-M-DFT-64QAM-Outer_Full-Ant7-PASS



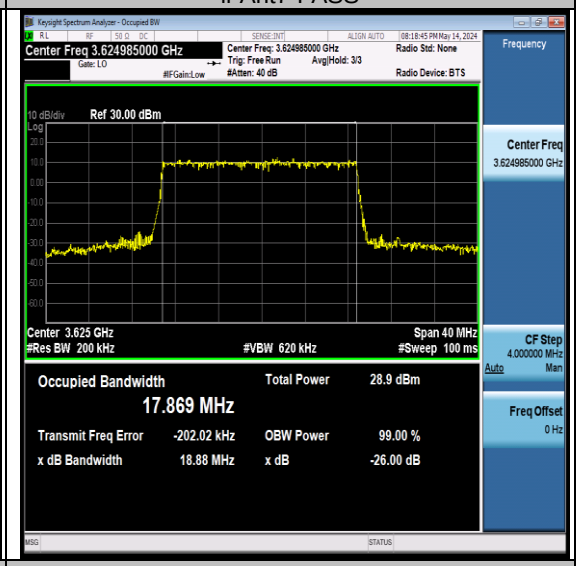
NTNV-N48-PC3-30-10-M-DFT-256QAM-Outer_Full-Ant7-PASS



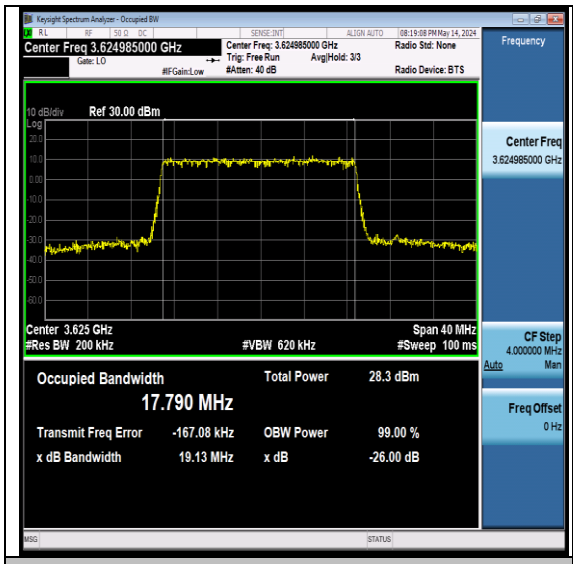
NTNV-N48-PC3-30-20-M-DFT-PI2BPSK-Outer_Full-Ant7-PASS



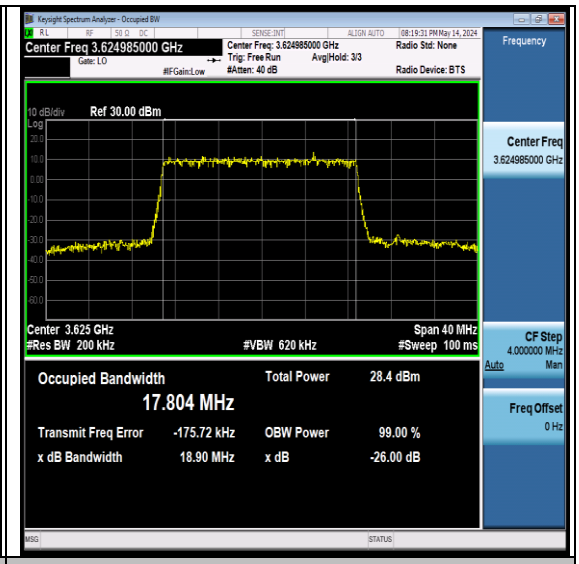
NTNV-N48-PC3-30-20-M-DFT-QPSK-Outer_Full-Ant7-PASS



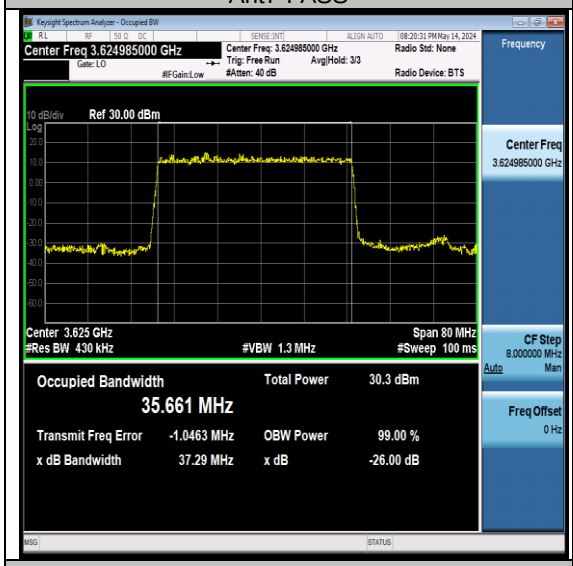
NTNV-N48-PC3-30-20-M-DFT-16QAM-Outer_Full-Ant7-PASS



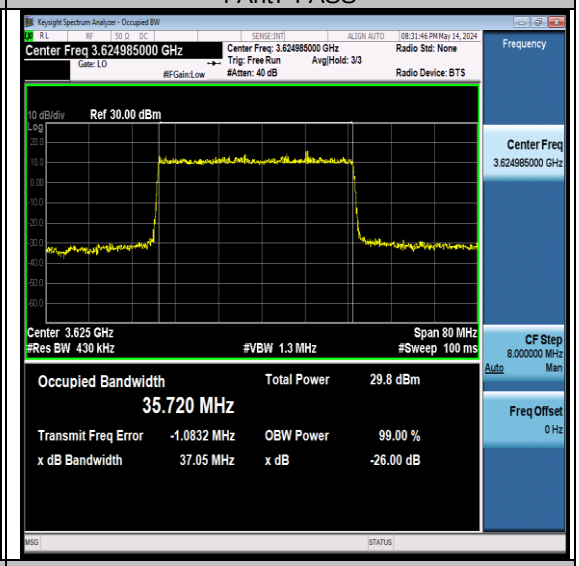
NTNV-N48-PC3-30-20-M-DFT-64QAM-Outer_Full-Ant7-PASS



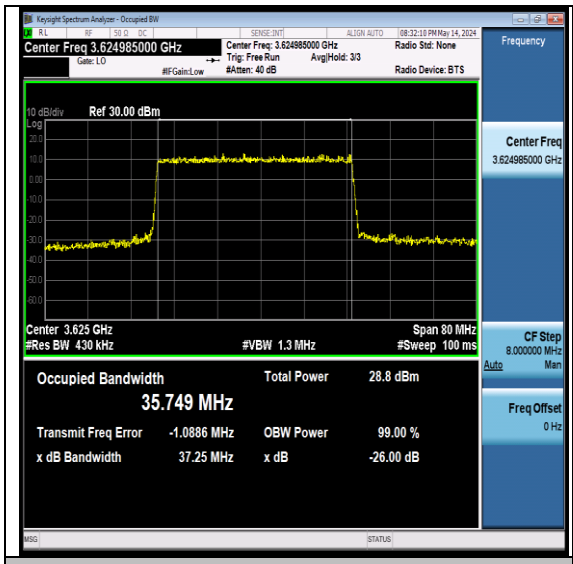
NTNV-N48-PC3-30-20-M-DFT-256QAM-Outer_Full-Ant7-PASS



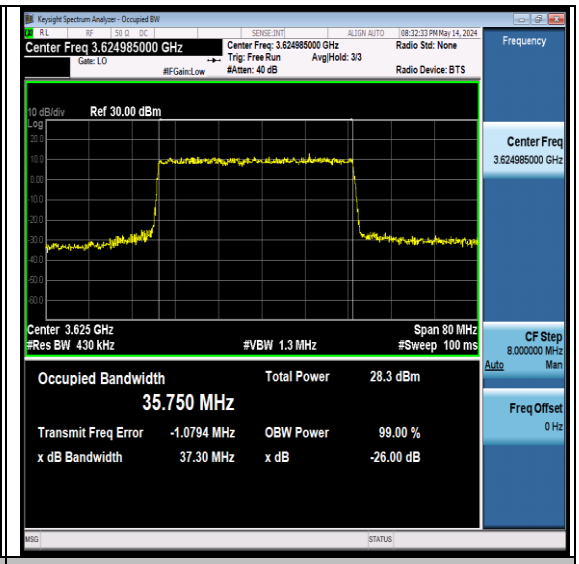
NTNV-N48-PC3-30-40-M-DFT-PI2BPSK-Outer_Full-Ant7-PASS



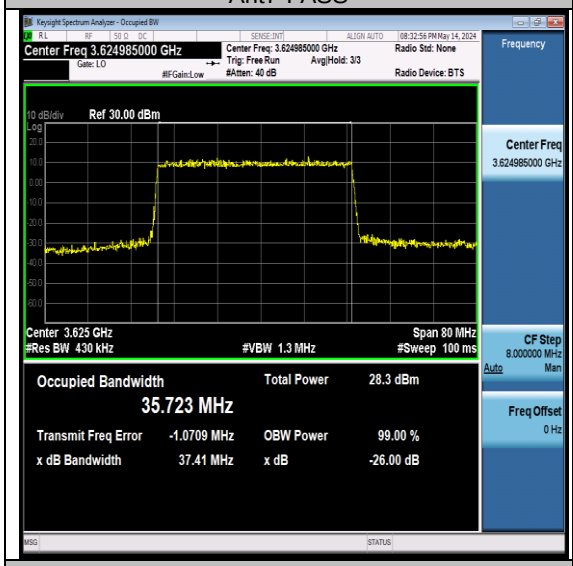
NTNV-N48-PC3-30-40-M-DFT-QPSK-Outer_Full-Ant7-PASS



NTNV-N48-PC3-30-40-M-DFT-16QAM-Outer_Full-Ant7-PASS



NTNV-N48-PC3-30-40-M-DFT-64QAM-Outer_Full-Ant7-PASS



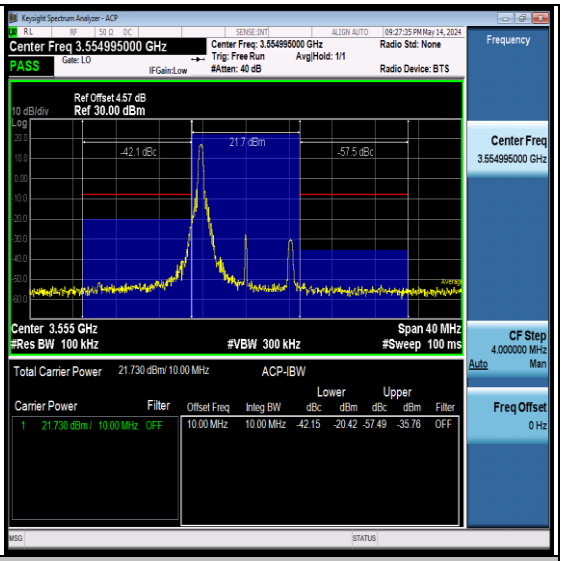
NTNV-N48-PC3-30-40-M-DFT-256QAM-Outer_Full-Ant7-PASS

ACLR FOR SA
TEST RESULT

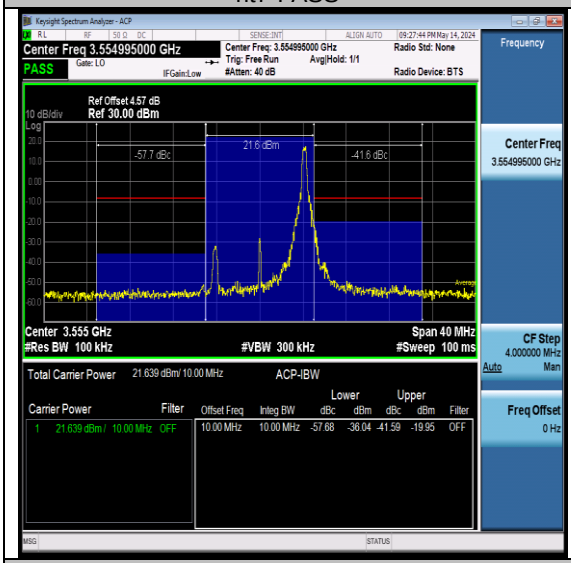
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N48	30	10	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	10	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Left	≤-30	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	≤-30	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Right	≤-30	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	≤-30	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	≤-30	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Right	≤-30	PASS

TEST GRAPHS

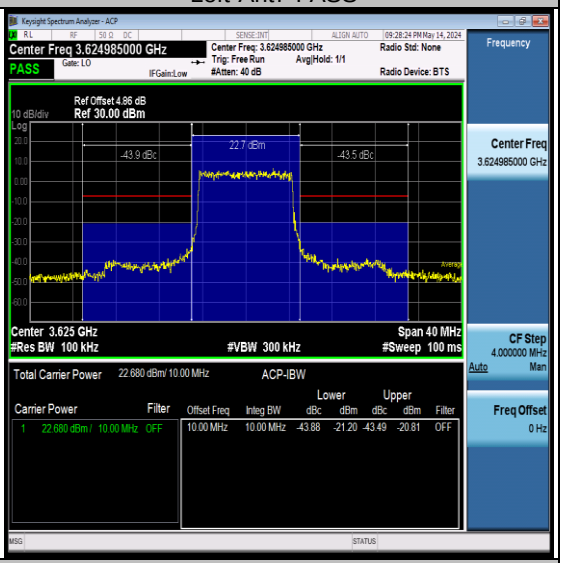
NTNV-N48-PC3-30-10-L-DFT-QPSK-Outer_Full-Ant7-PASS



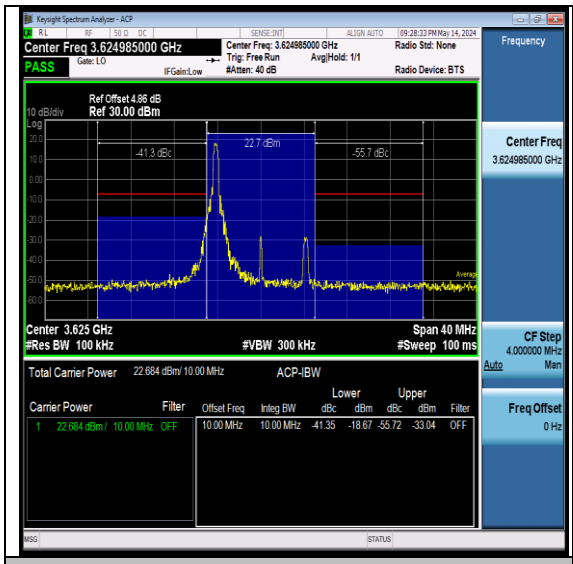
NTNV-N48-PC3-30-10-L-DFT-QPSK-Edge_1RB_Left-Ant7-PASS



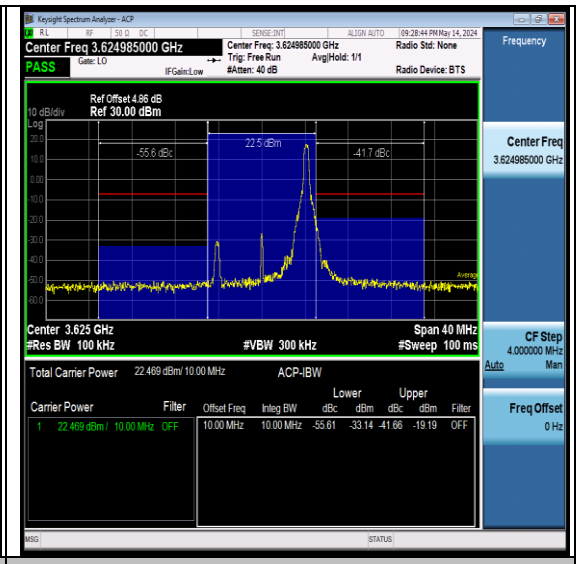
NTNV-N48-PC3-30-10-L-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



NTNV-N48-PC3-30-10-M-DFT-QPSK-Outer_Full-Ant7-PASS

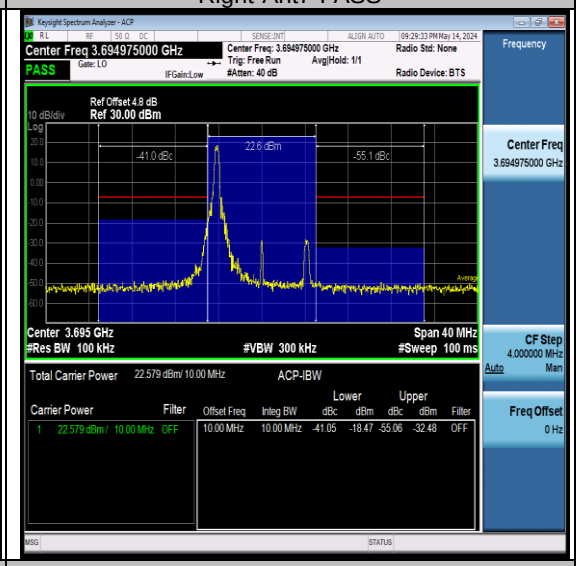


NTNV-N48-PC3-30-10-M-DFT-QPSK-Edge_1RB_Left-Ant7-PASS

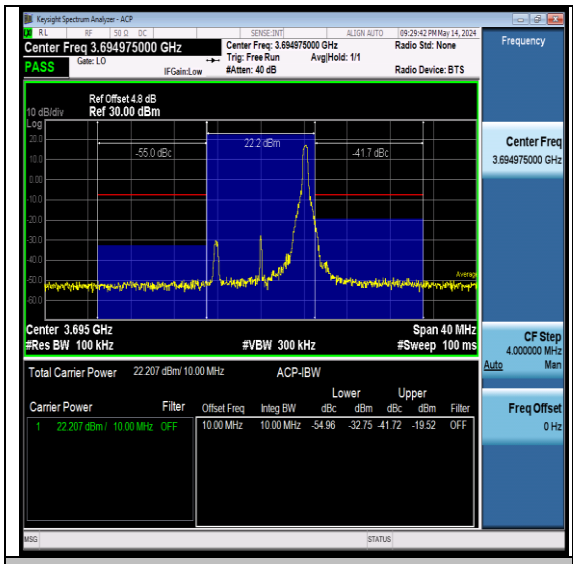


NTNV-N48-PC3-30-10-M-DFT-QPSK-Edge_1RB_Right-Ant7-PASS

NTNV-N48-PC3-30-10-H-DFT-QPSK-Outer_Full-Ant7-PASS

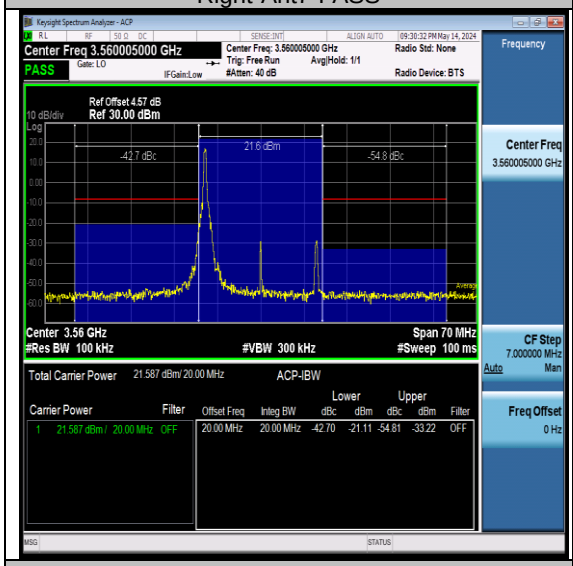


NTNV-N48-PC3-30-10-H-DFT-QPSK-Edge_1RB_Left-Ant7-PASS

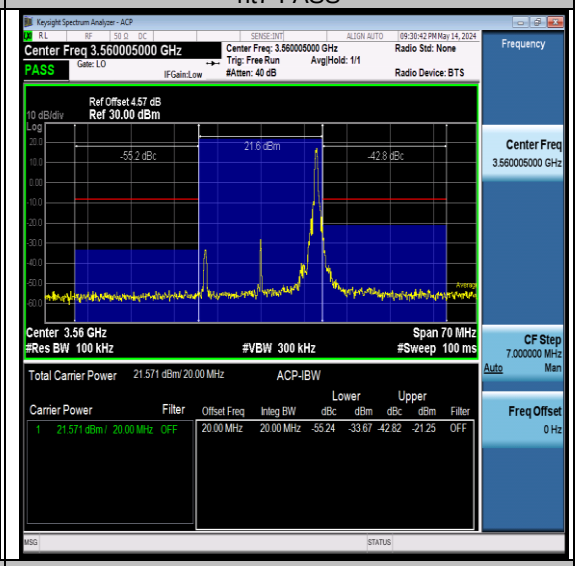


NTNV-N48-PC3-30-10-H-DFT-QPSK-Edge_1RB_Right-Ant7-PASS

NTNV-N48-PC3-30-20-L-DFT-QPSK-Outer_Full-Ant7-PASS

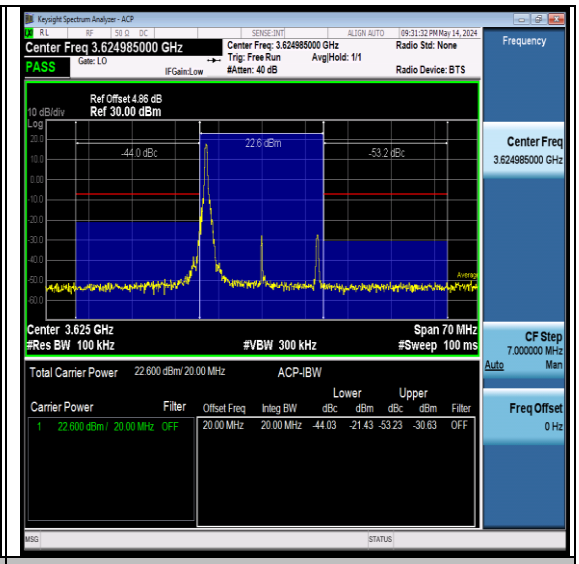


NTNV-N48-PC3-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant7-PASS

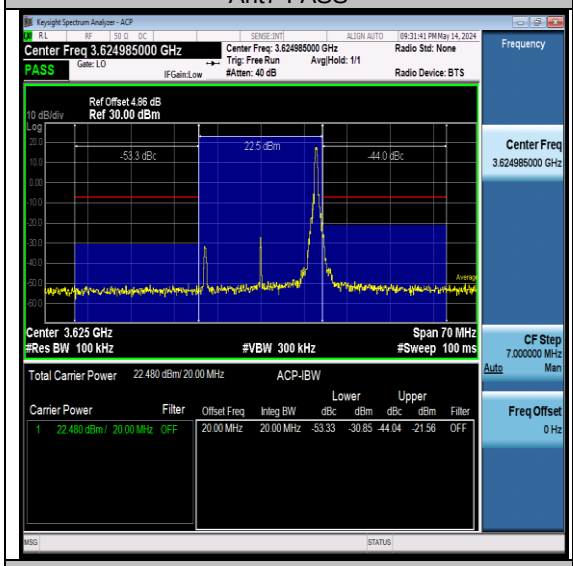


NTNV-N48-PC3-30-20-L-DFT-QPSK-Edge_1RB_Right-Ant7-PASS

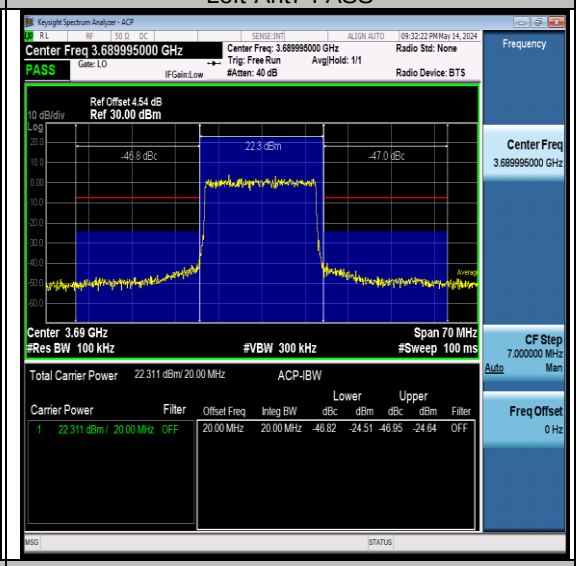
NTNV-N48-PC3-30-20-M-DFT-QPSK-Outer_Full-Ant7-PASS



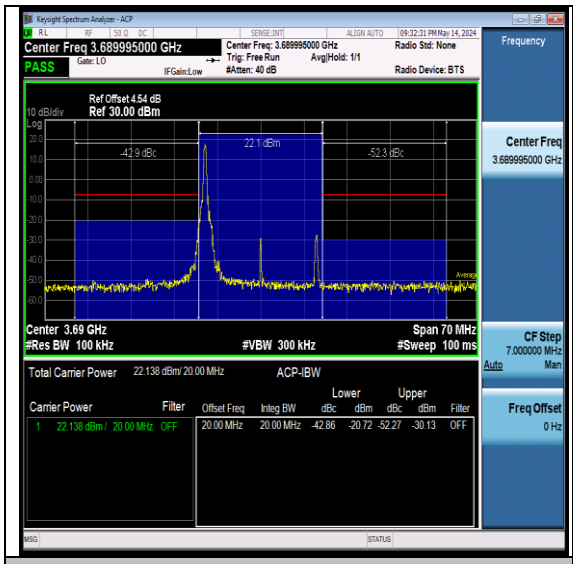
NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_Left-Ant7-PASS



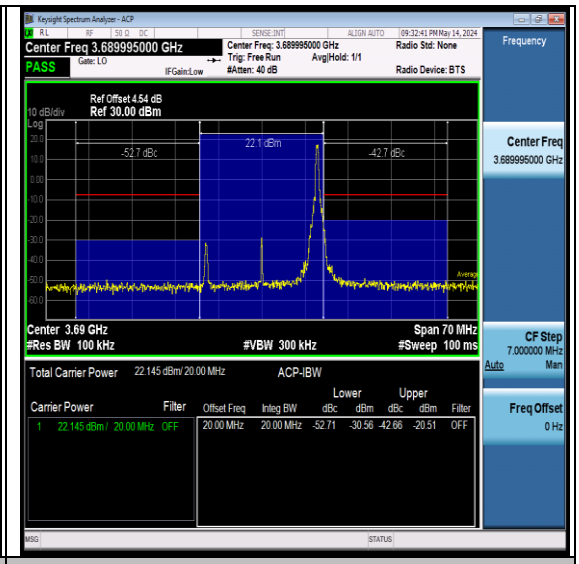
NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Outer_Full-Ant7-PASS

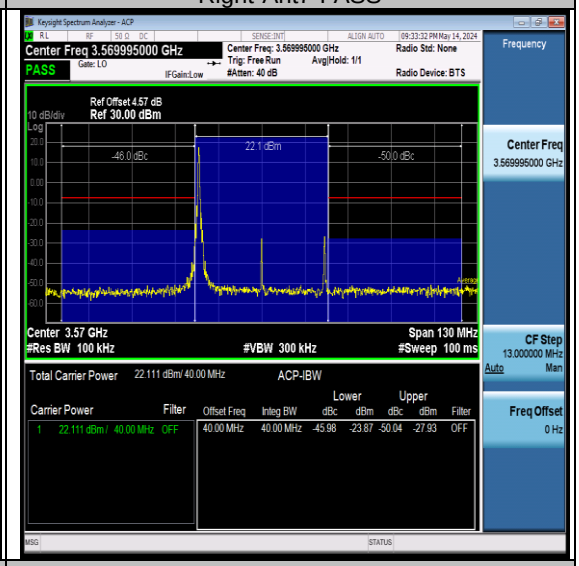


NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_ Left-Ant7-PASS

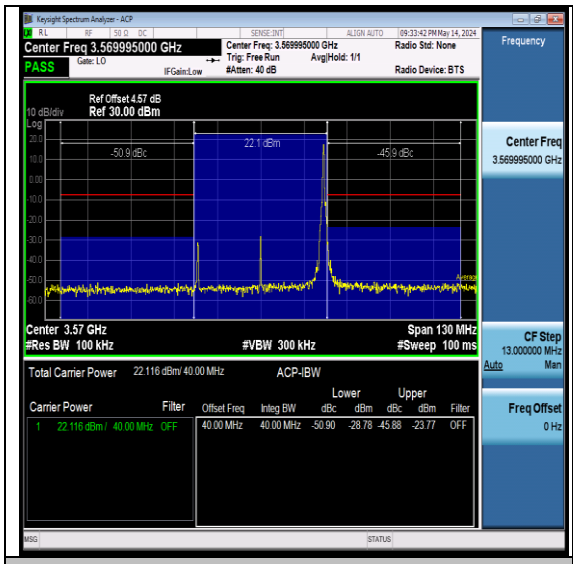


NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_ Right-Ant7-PASS

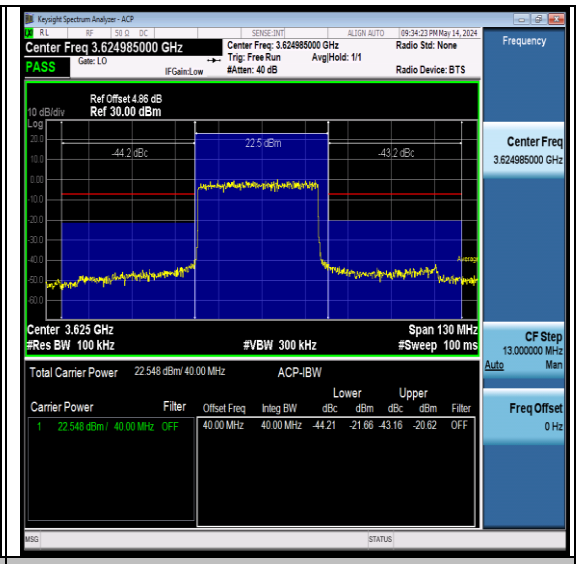
NTNV-N48-PC3-30-40-L-DFT-QPSK-Outer_Full-Ant7-PASS



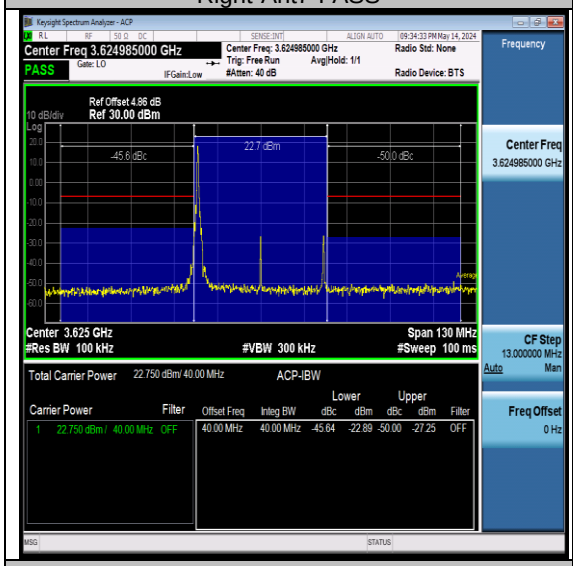
NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_ Left-Ant7-PASS



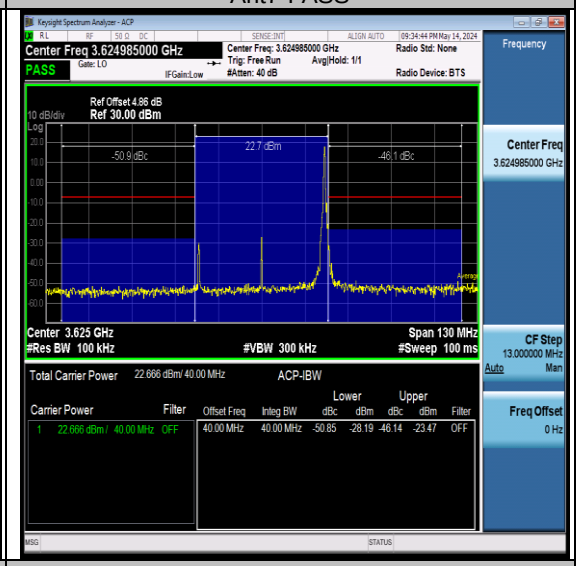
NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



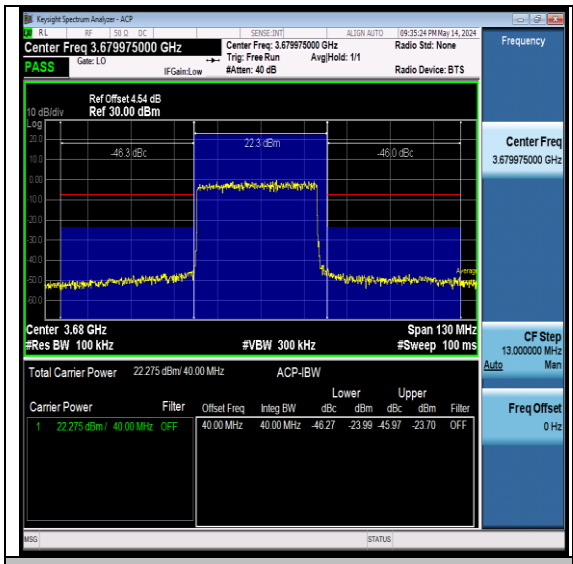
NTNV-N48-PC3-30-40-M-DFT-QPSK-Outer_Full-Ant7-PASS



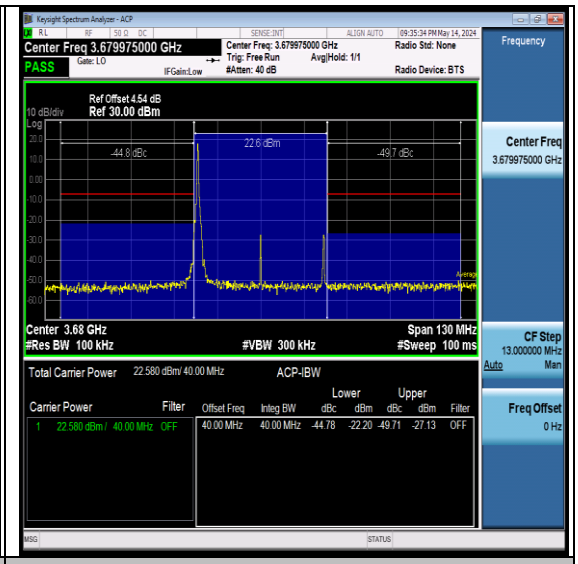
NTNV-N48-PC3-30-40-M-DFT-QPSK-Edge_1RB_Left-Ant7-PASS



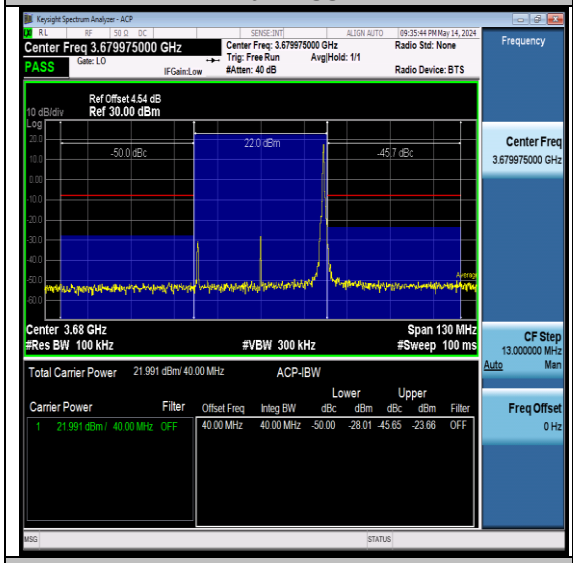
NTNV-N48-PC3-30-40-M-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



NTNV-N48-PC3-30-40-H-DFT-QPSK-Outer_Full-Ant7-PASS



NTNV-N48-PC3-30-40-H-DFT-QPSK-Edge_1RB_Left-Ant7-PASS

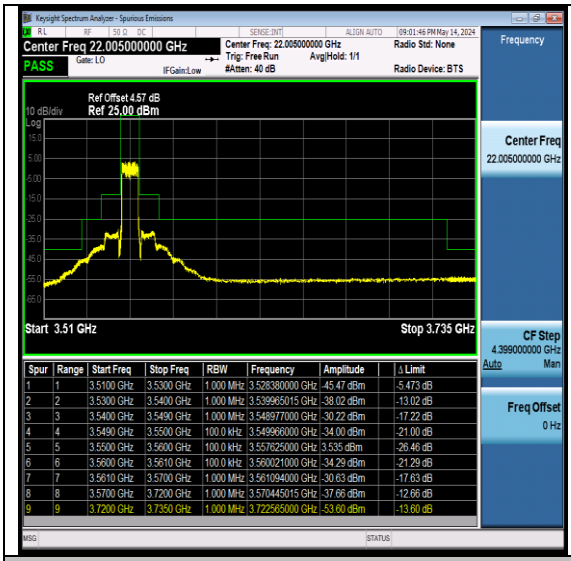


NTNV-N48-PC3-30-40-H-DFT-QPSK-Edge_1RB_Right-Ant7-PASS

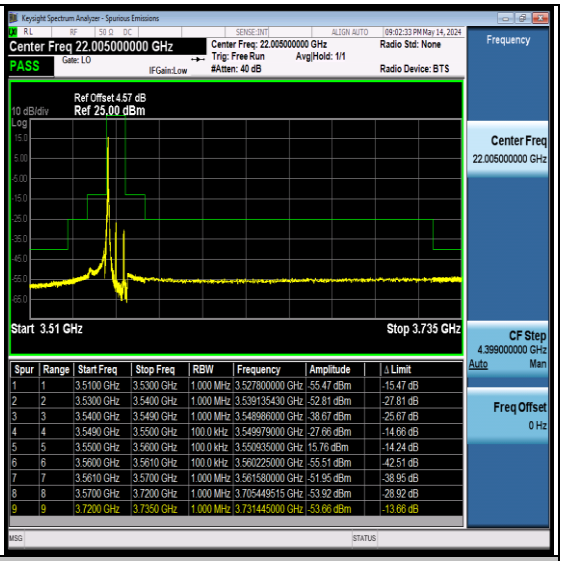
BAND EDGE FOR SA
TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N48	30	10	DFT-QPSK	L	Outer_Full	-45.47	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Left	-53.66	PASS
N48	30	10	DFT-QPSK	L	Edge_1RB_Right	-26.17	PASS
N48	30	10	DFT-QPSK	M	Outer_Full	-53.55	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Left	-52.95	PASS
N48	30	10	DFT-QPSK	M	Edge_1RB_Right	-53.59	PASS
N48	30	10	DFT-QPSK	H	Outer_Full	-47.21	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Left	-52.98	PASS
N48	30	10	DFT-QPSK	H	Edge_1RB_Right	-52.45	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	-42.94	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	-53.65	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Right	-53.73	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	-53.10	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	-53.45	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Right	-53.45	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	-44.49	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	-53.67	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Right	-52.64	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	-41.01	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Left	-53.61	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Right	-53.63	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	-49.75	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	-53.48	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Right	-53.19	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	-43.61	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	-53.89	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Right	-52.24	PASS

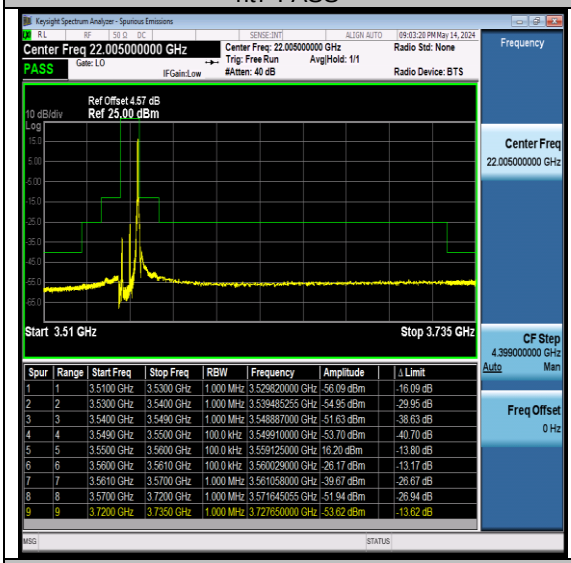
TEST GRAPHS



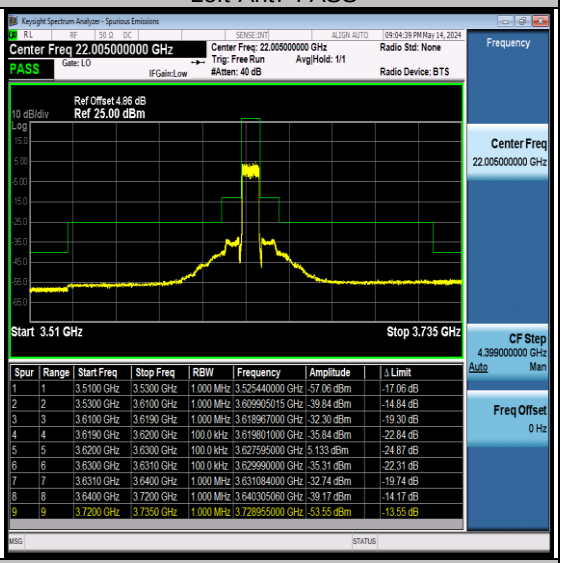
NTNV-N48-PC3-30-10-L-DFT-QPSK-Outer_Full-Ant7-PASS



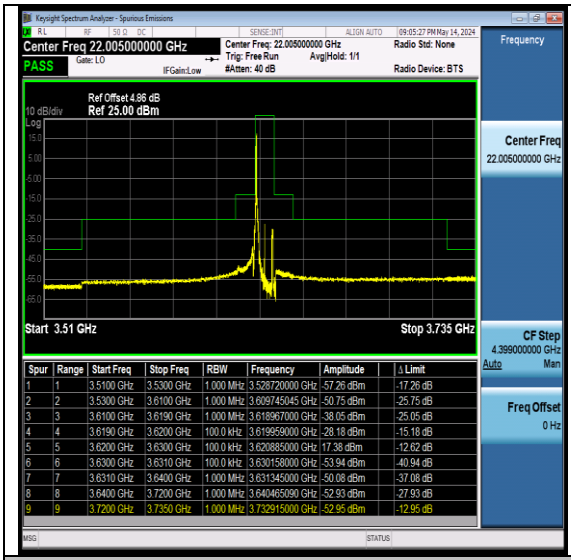
NTNV-N48-PC3-30-10-L-DFT-QPSK-Edge_1RB_Left-Ant7-PASS



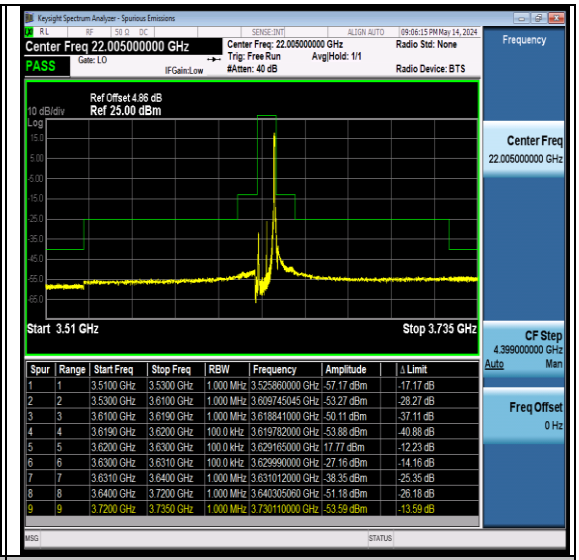
NTNV-N48-PC3-30-10-L-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



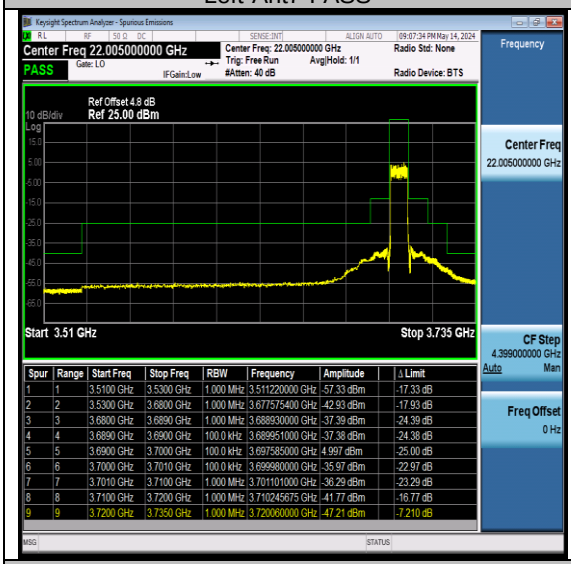
NTNV-N48-PC3-30-10-M-DFT-QPSK-Outer_Full-Ant7-PASS



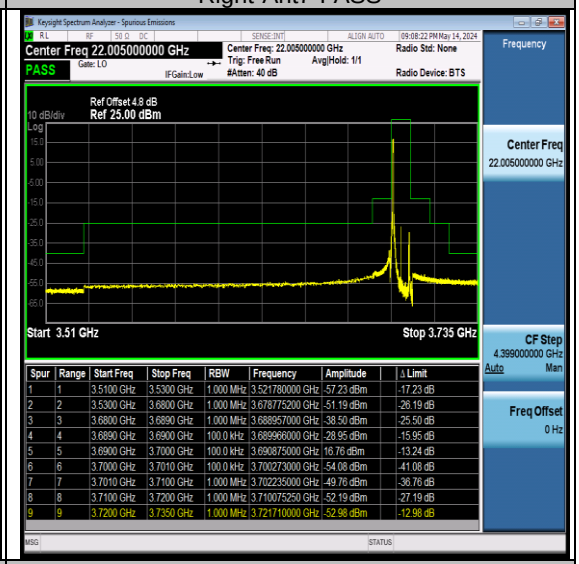
NTNV-N48-PC3-30-10-M-DFT-QPSK-Edge_1RB_Left-Ant7-PASS



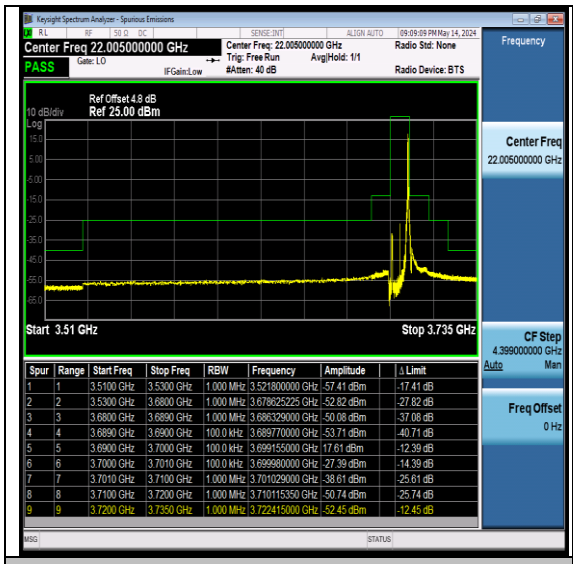
NTNV-N48-PC3-30-10-M-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



NTNV-N48-PC3-30-10-H-DFT-QPSK-Outer_Full-Ant7-PASS

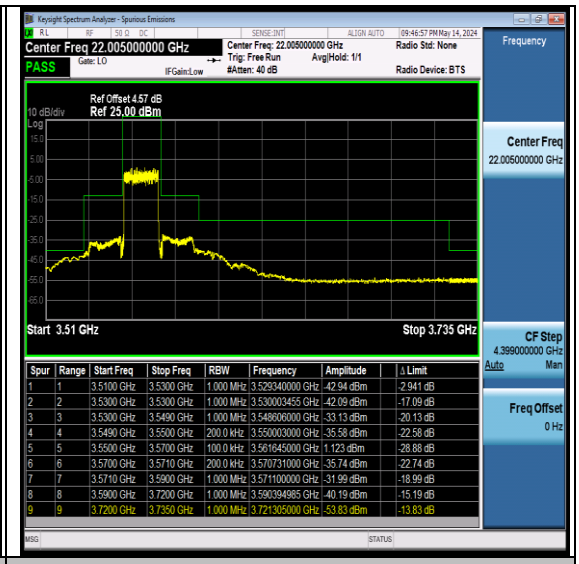


NTNV-N48-PC3-30-10-H-DFT-QPSK-Edge_1RB_Left-Ant7-PASS



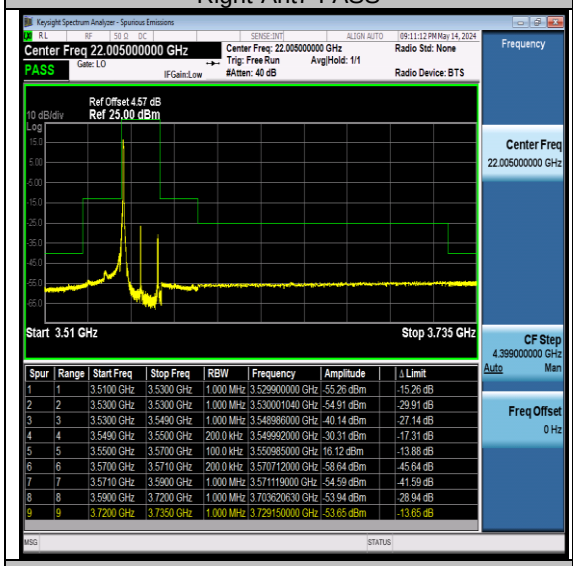
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	3.5100 GHz	3.5300 GHz	1.000 MHz	3.521800000 GHz	-57.41 dBm	-17.41 dB
2	2	3.5300 GHz	3.6800 GHz	1.000 MHz	3.678625225 GHz	-52.82 dBm	-27.82 dB
3	3	3.6800 GHz	3.6890 GHz	1.000 MHz	3.686329000 GHz	-50.08 dBm	-37.08 dB
4	4	3.6890 GHz	3.6900 GHz	100.0 kHz	3.689770000 GHz	-53.71 dBm	-40.71 dB
5	5	3.6900 GHz	3.7000 GHz	100.0 kHz	3.699155000 GHz	17.61 dBm	-12.39 dB
6	6	3.7000 GHz	3.7010 GHz	100.0 kHz	3.699980000 GHz	-27.39 dBm	-14.39 dB
7	7	3.7010 GHz	3.7100 GHz	1.000 MHz	3.701029000 GHz	-38.61 dBm	-25.61 dB
8	8	3.7100 GHz	3.7200 GHz	1.000 MHz	3.710115350 GHz	-50.74 dBm	-25.74 dB
9	9	3.7200 GHz	3.7350 GHz	1.000 MHz	3.722415000 GHz	-52.45 dBm	-12.45 dB

NTNV-N48-PC3-30-10-H-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



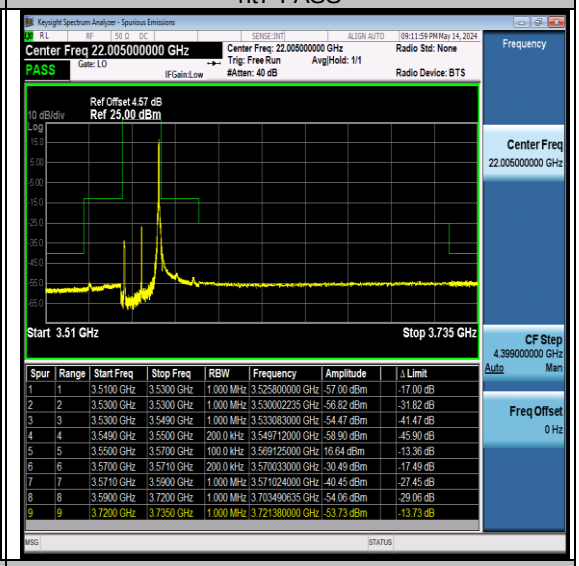
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	3.5100 GHz	3.5300 GHz	1.000 MHz	3.529340000 GHz	-42.94 dBm	-2.941 dB
2	2	3.5300 GHz	3.5300 GHz	1.000 MHz	3.530003455 GHz	-42.09 dBm	-17.09 dB
3	3	3.5300 GHz	3.5490 GHz	1.000 MHz	3.548606000 GHz	-33.13 dBm	-20.13 dB
4	4	3.5490 GHz	3.5500 GHz	200.0 kHz	3.550003000 GHz	-35.58 dBm	-22.58 dB
5	5	3.5500 GHz	3.5700 GHz	100.0 kHz	3.561645000 GHz	1.123 dBm	-28.88 dB
6	6	3.5700 GHz	3.5710 GHz	200.0 kHz	3.570731000 GHz	-35.74 dBm	-22.74 dB
7	7	3.5710 GHz	3.5900 GHz	1.000 MHz	3.571100000 GHz	-31.99 dBm	-18.99 dB
8	8	3.5900 GHz	3.7200 GHz	1.000 MHz	3.590394985 GHz	-40.19 dBm	-15.19 dB
9	9	3.7200 GHz	3.7350 GHz	1.000 MHz	3.721305000 GHz	-53.83 dBm	-13.83 dB

NTNV-N48-PC3-30-20-L-DFT-QPSK-Outer_Full-Ant7-PASS



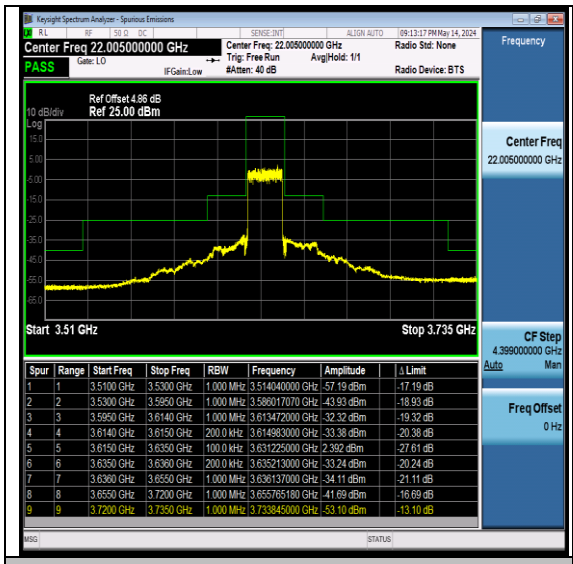
Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	3.5100 GHz	3.5300 GHz	1.000 MHz	3.529900000 GHz	-55.26 dBm	-15.26 dB
2	2	3.5300 GHz	3.5300 GHz	1.000 MHz	3.530001040 GHz	-54.91 dBm	-29.91 dB
3	3	3.5300 GHz	3.5490 GHz	1.000 MHz	3.548986000 GHz	-40.14 dBm	-27.14 dB
4	4	3.5490 GHz	3.5500 GHz	200.0 kHz	3.549992000 GHz	-30.31 dBm	-17.31 dB
5	5	3.5500 GHz	3.5700 GHz	100.0 kHz	3.550985000 GHz	16.12 dBm	-13.88 dB
6	6	3.5700 GHz	3.5710 GHz	200.0 kHz	3.570712000 GHz	-58.64 dBm	-45.64 dB
7	7	3.5710 GHz	3.5900 GHz	1.000 MHz	3.571119000 GHz	-54.59 dBm	-41.59 dB
8	8	3.5900 GHz	3.7200 GHz	1.000 MHz	3.703620630 GHz	-53.94 dBm	-28.94 dB
9	9	3.7200 GHz	3.7350 GHz	1.000 MHz	3.729150000 GHz	-53.65 dBm	-13.65 dB

NTNV-N48-PC3-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant7-PASS

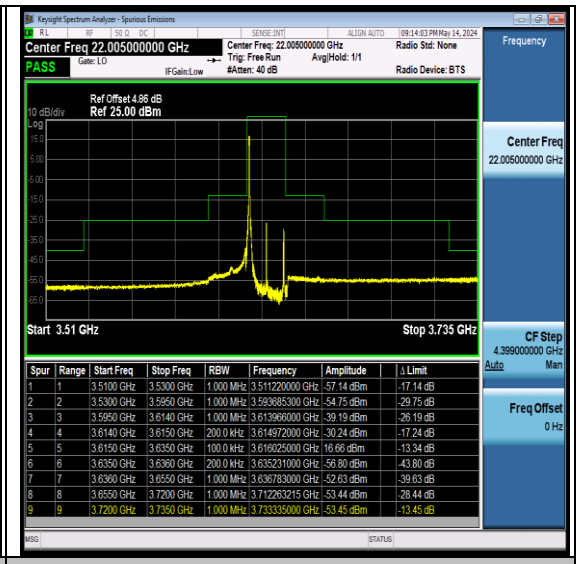


Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	Δ Limit
1	1	3.5100 GHz	3.5300 GHz	1.000 MHz	3.525800000 GHz	-57.00 dBm	-17.00 dB
2	2	3.5300 GHz	3.5300 GHz	1.000 MHz	3.530002235 GHz	-56.82 dBm	-31.82 dB
3	3	3.5300 GHz	3.5490 GHz	1.000 MHz	3.533083000 GHz	-54.47 dBm	-41.47 dB
4	4	3.5490 GHz	3.5500 GHz	200.0 kHz	3.549712000 GHz	-58.90 dBm	-45.90 dB
5	5	3.5500 GHz	3.5700 GHz	100.0 kHz	3.569125000 GHz	16.64 dBm	-13.36 dB
6	6	3.5700 GHz	3.5710 GHz	200.0 kHz	3.570033000 GHz	-30.49 dBm	-17.49 dB
7	7	3.5710 GHz	3.5900 GHz	1.000 MHz	3.571024000 GHz	-40.45 dBm	-27.45 dB
8	8	3.5900 GHz	3.7200 GHz	1.000 MHz	3.703490635 GHz	-54.06 dBm	-29.06 dB
9	9	3.7200 GHz	3.7350 GHz	1.000 MHz	3.721380000 GHz	-53.73 dBm	-13.73 dB

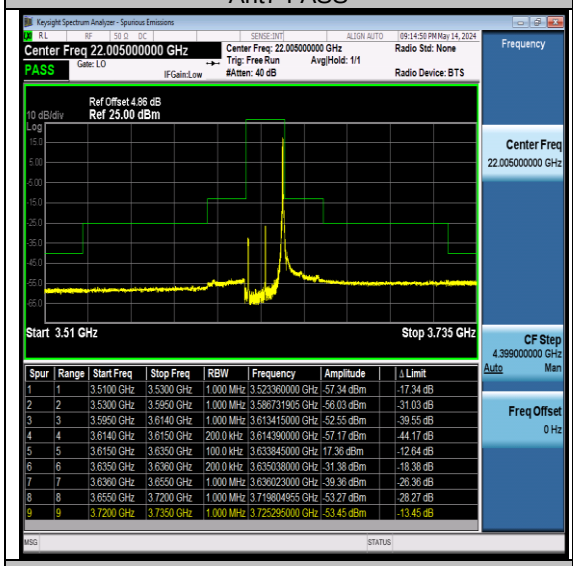
NTNV-N48-PC3-30-20-L-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



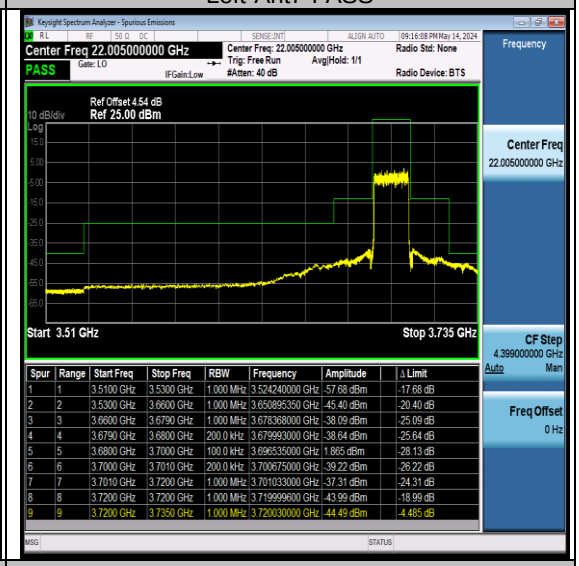
NTNV-N48-PC3-30-20-M-DFT-QPSK-Outer_Full-Ant7-PASS



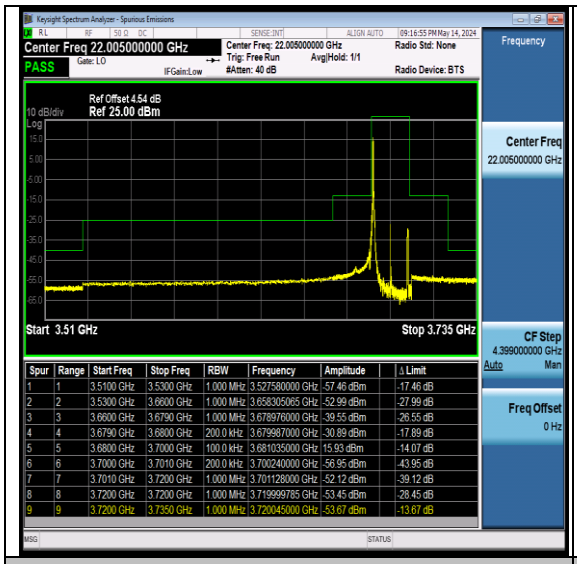
NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_Left-Ant7-PASS



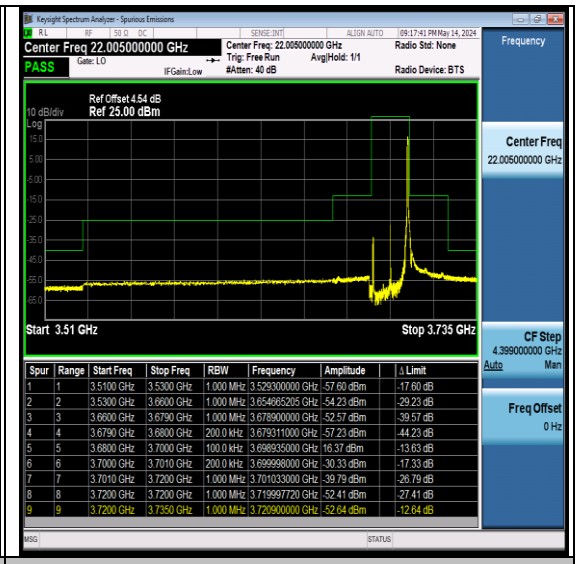
NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_Right-Ant7-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Outer_Full-Ant7-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_Left-Ant7-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_Right-Ant7-PASS

NTNV-N48-PC3-30-40-L-DFT-QPSK-Outer_Full-Ant7-PASS