

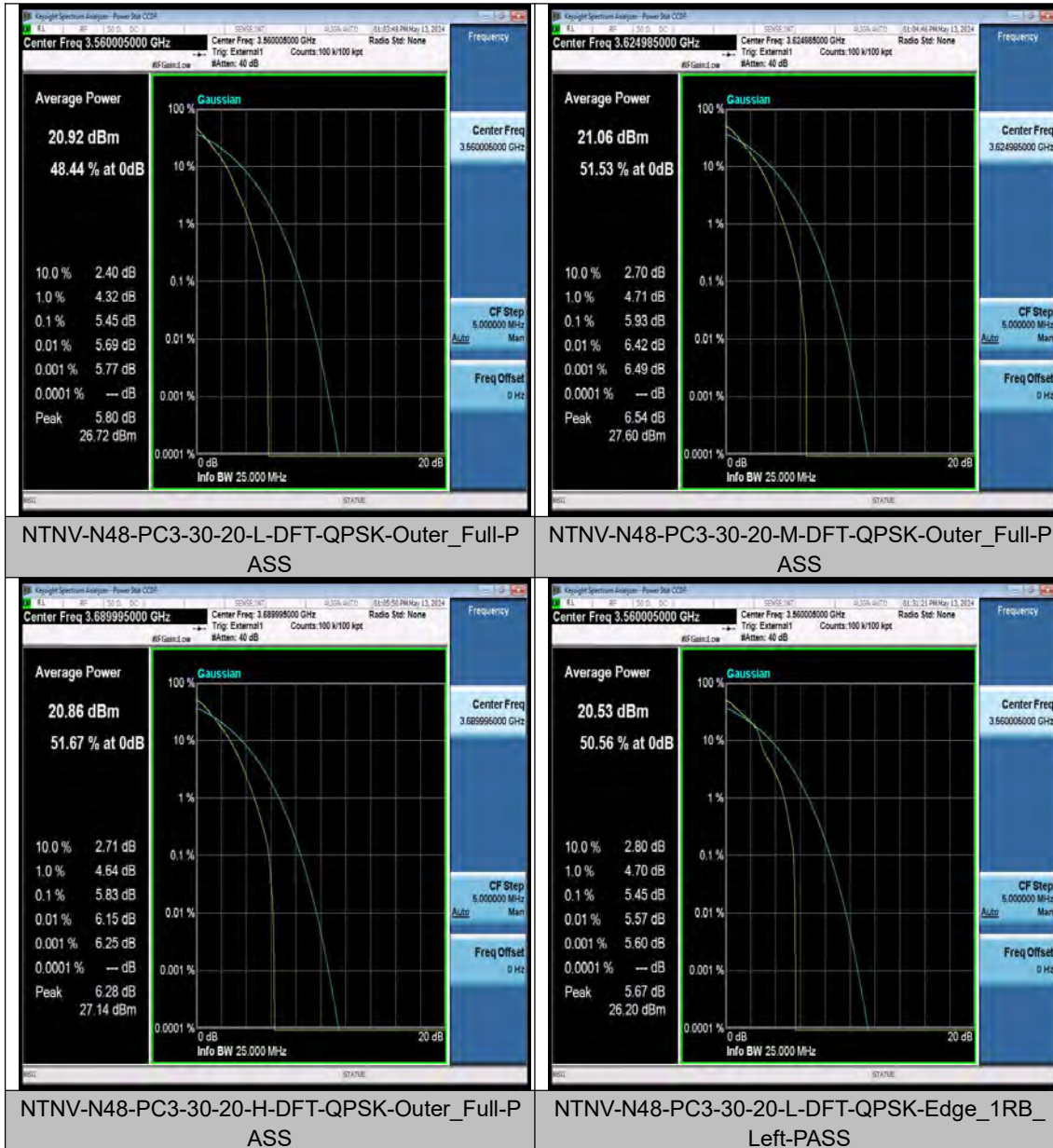
APPENDIX K

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	5.45	≤13	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	5.93	≤13	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	5.83	≤13	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	5.45	≤13	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	5.52	≤13	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	5.38	≤13	PASS

TEST GRAPHS





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VERITAS

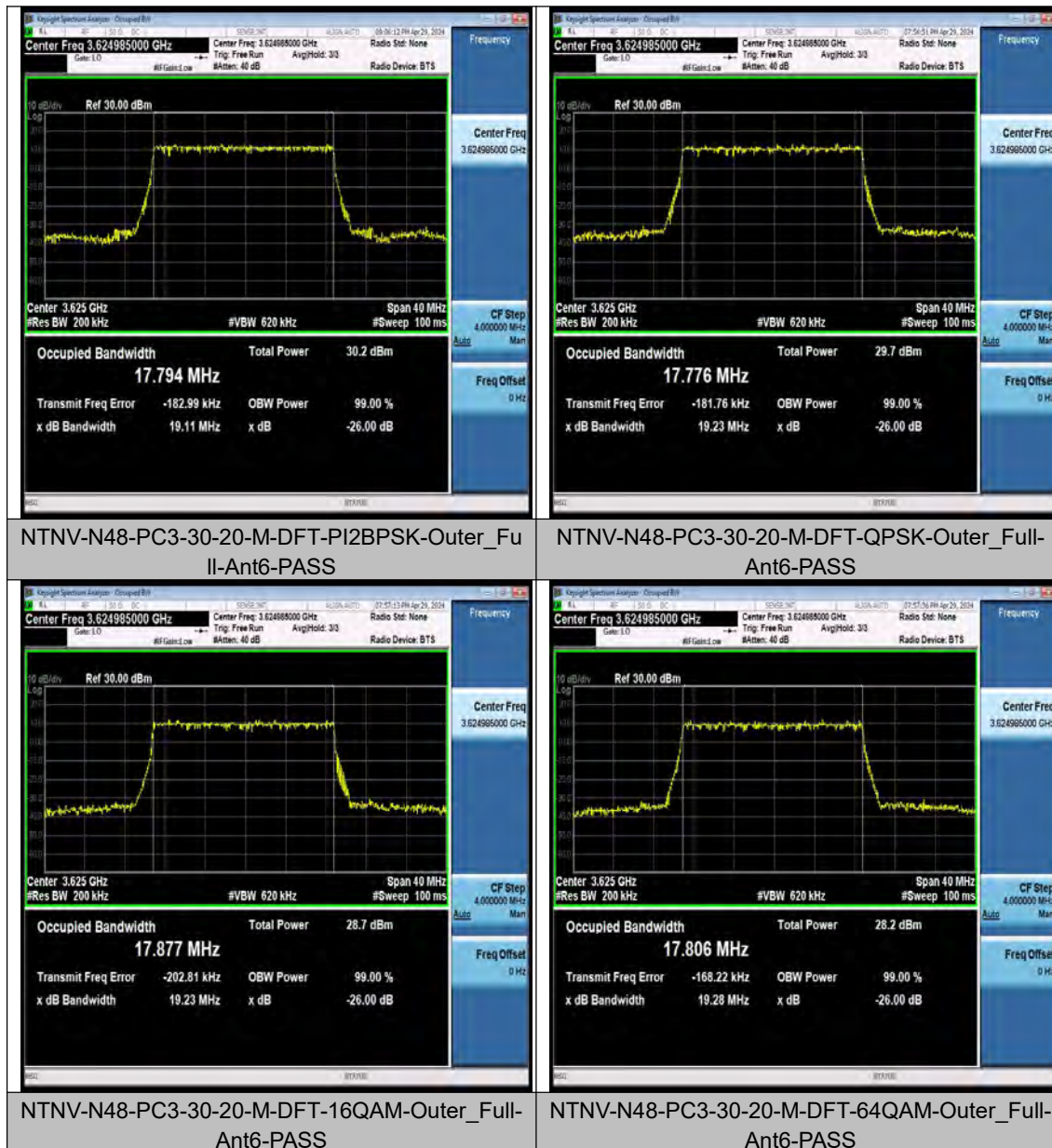
Reference No.: PSU-NQN2403180115RF11



26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N48	30	20	DFT-PI2BPSK	M	Outer_Full	17.794	19.11	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	17.776	19.23	PASS
N48	30	20	DFT-16QAM	M	Outer_Full	17.877	19.23	PASS
N48	30	20	DFT-64QAM	M	Outer_Full	17.806	19.28	PASS
N48	30	20	DFT-256QAM	M	Outer_Full	17.812	19.14	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	35.756	37.73	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	35.777	37.65	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	35.767	37.53	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	35.746	37.64	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	35.720	37.31	PASS

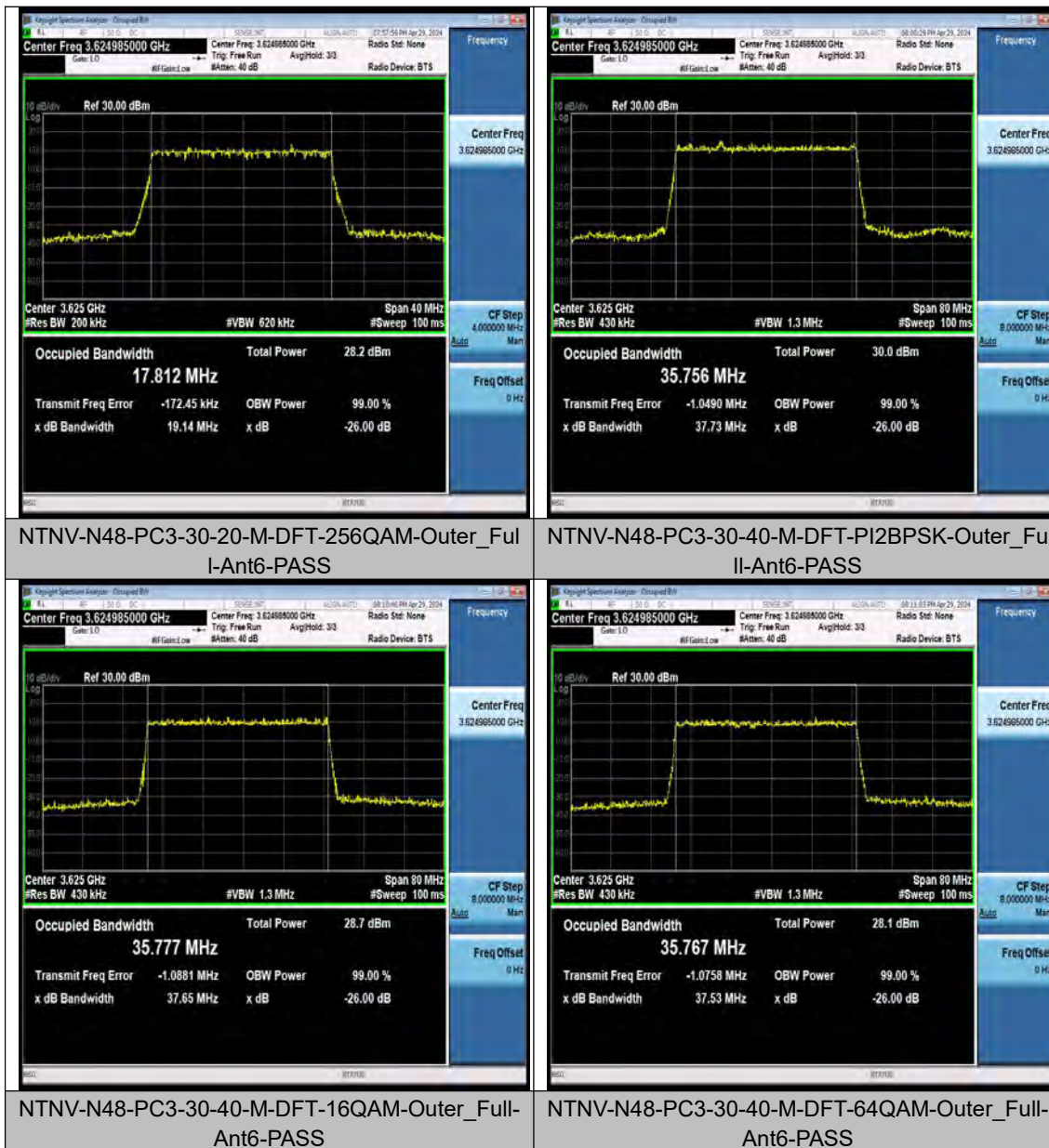
TEST GRAPHS





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VERITAS

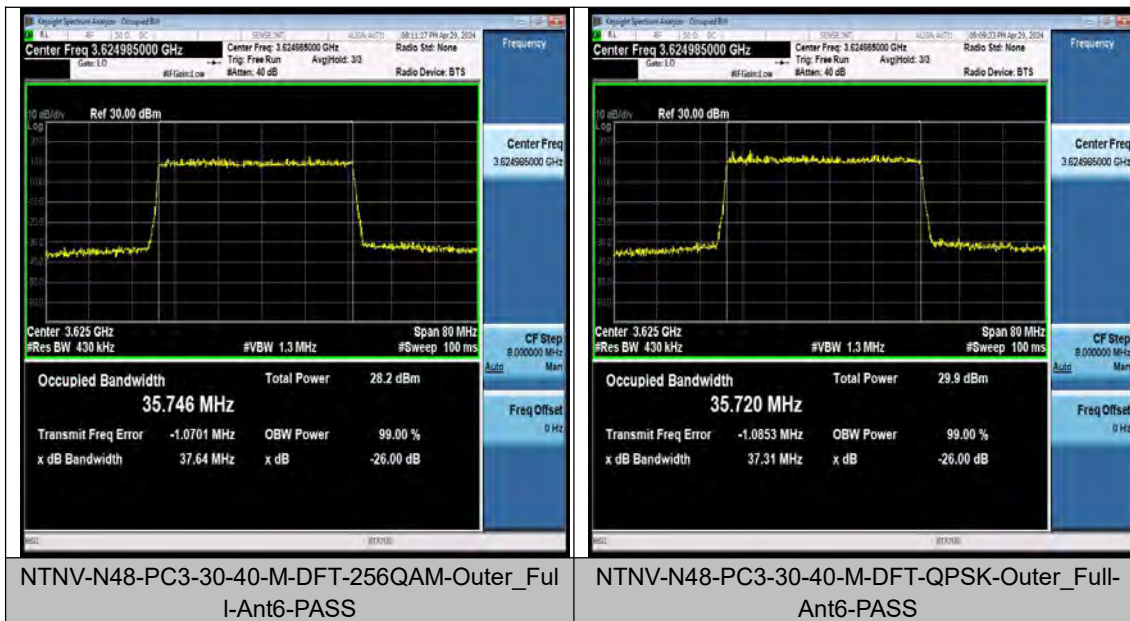
Reference No.: PSU-NQN2403180115RF11





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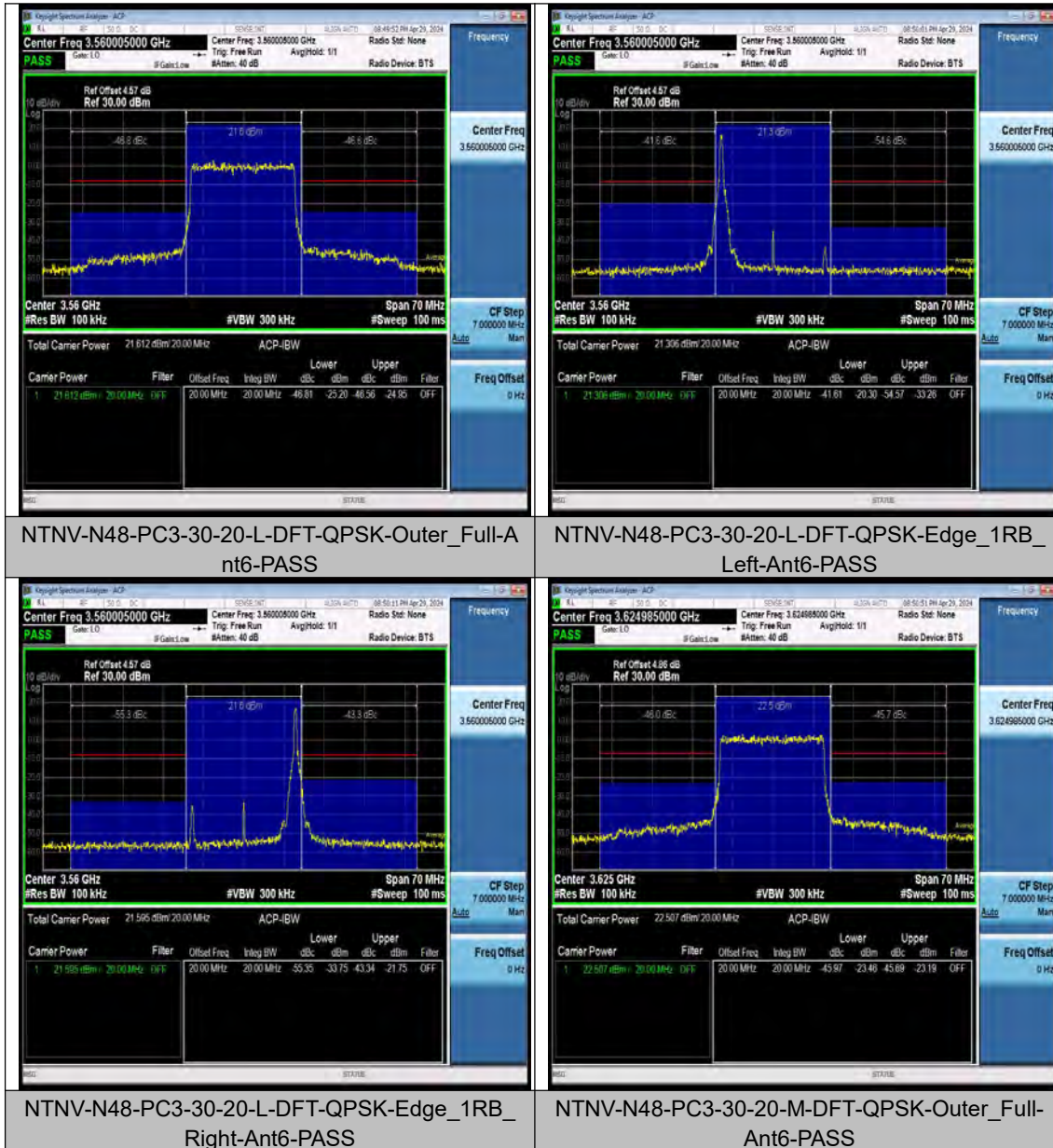
Reference No.: PSU-NQN2403180115RF11



ACLR FOR SA TEST RESULT

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

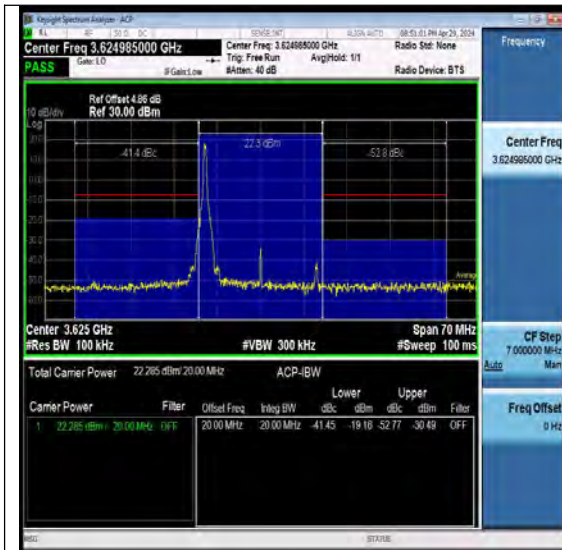
TEST GRAPHS



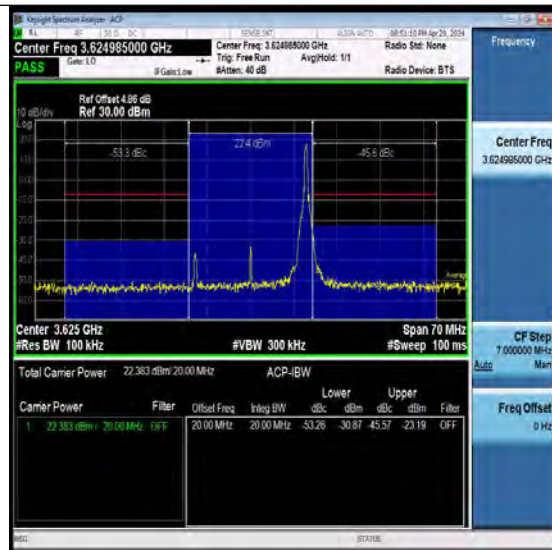


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Reference No.: PSU-NQN2403180115RF11



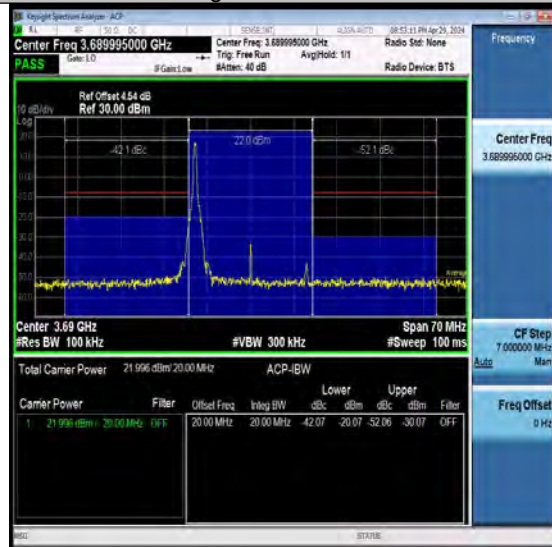
NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_
Right-Ant6-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Outer_Full-A
nt6-PASS

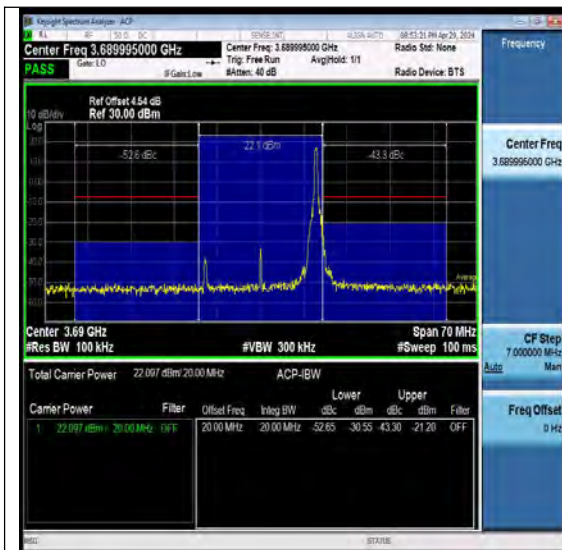


NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS

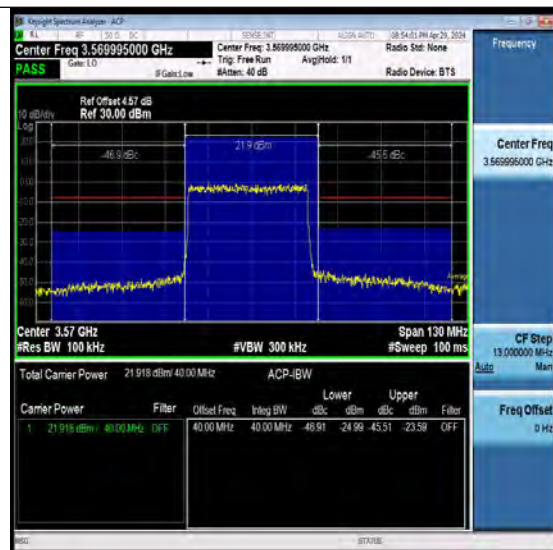


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VERITAS

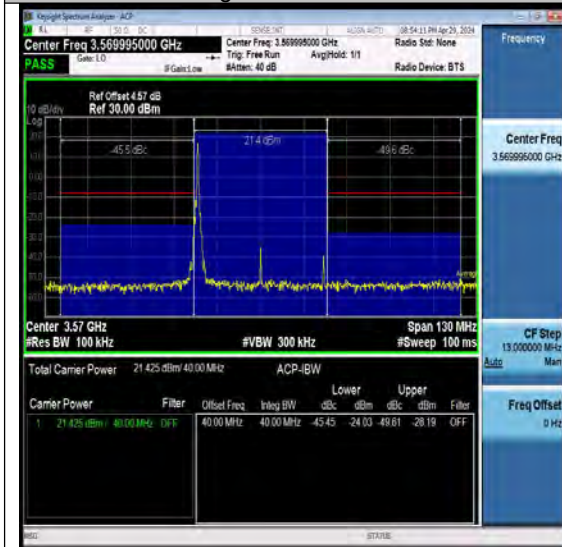
Reference No.: PSU-NQN2403180115RF11



NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_
Right-Ant6-PASS



NTNV-N48-PC3-30-40-L-DFT-QPSK-Outer_Full-A
nt6-PASS



NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS

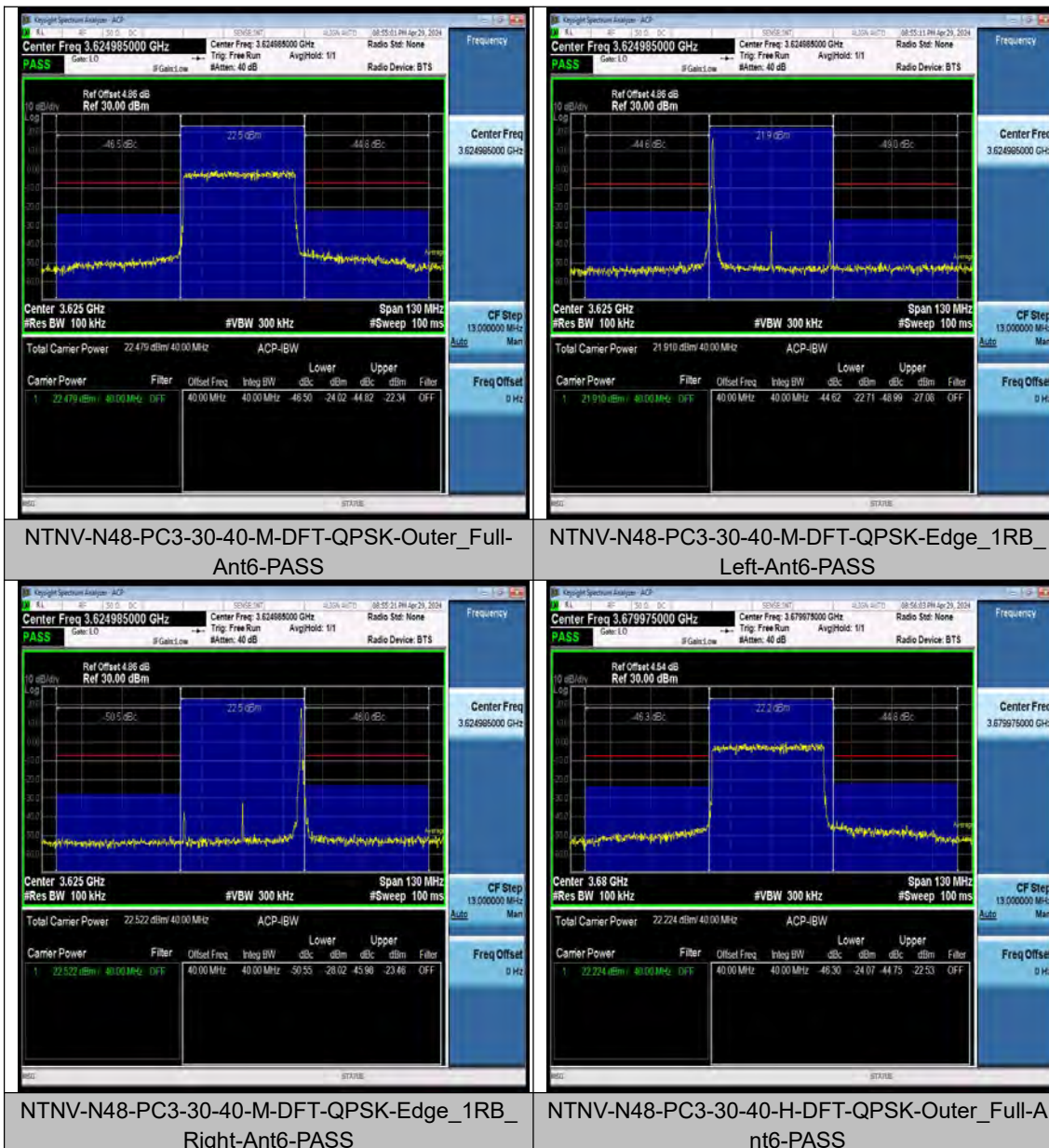


NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_
Right-Ant6-PASS



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VERITAS

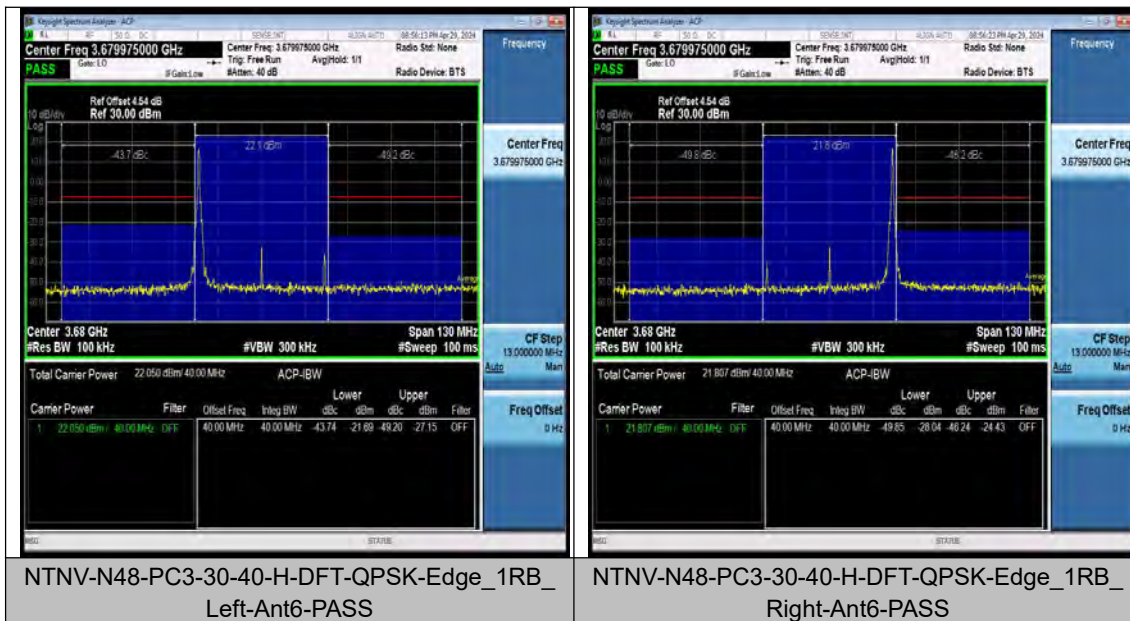
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VERITAS

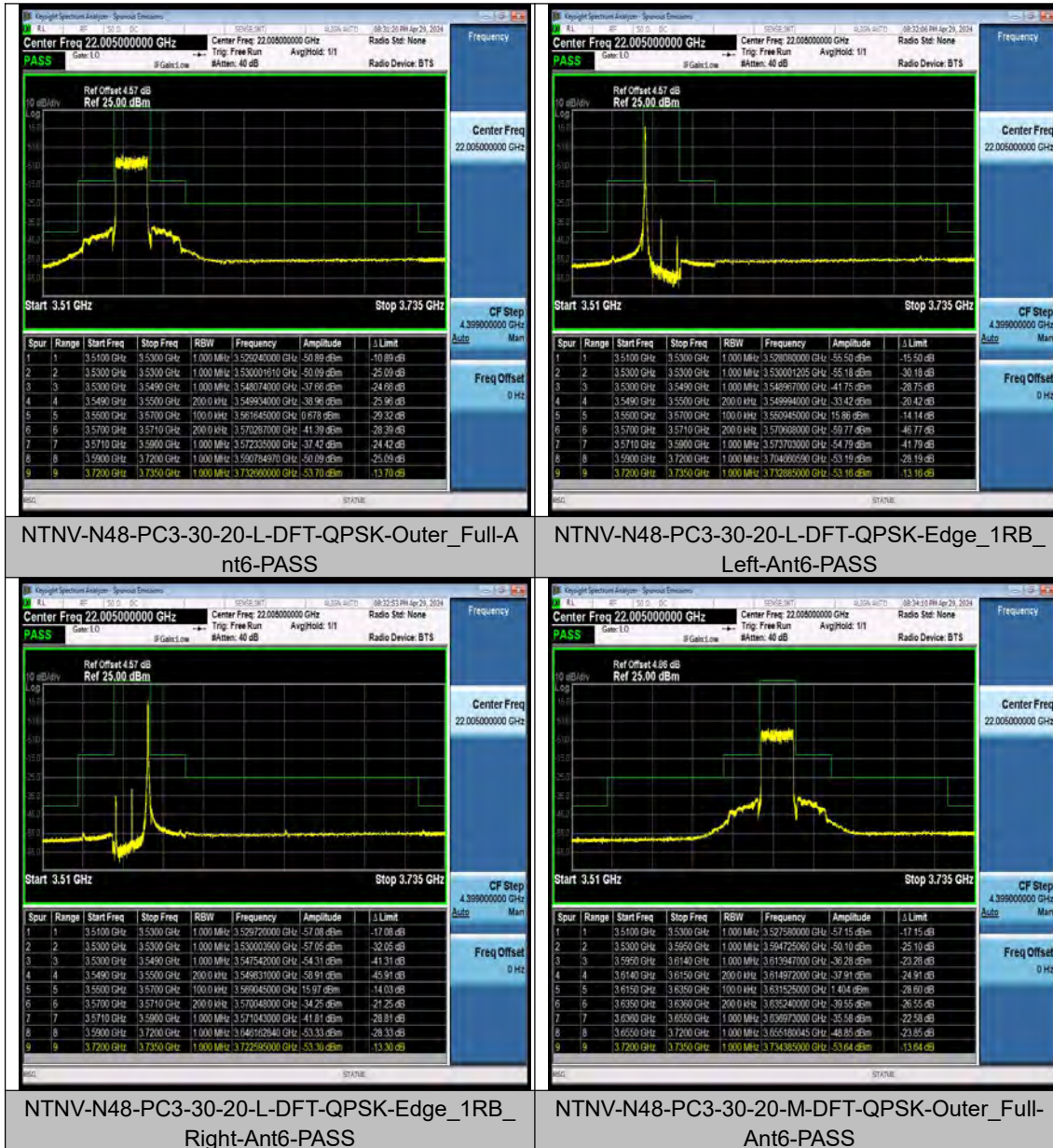
Reference No.: PSU-NQN2403180115RF11



BAND EDGE FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N48	30	20	DFT-QPSK	L	Outer_Full	-50.89	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	-53.16	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Right	-53.30	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	-53.64	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	-53.20	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Right	-53.57	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	-47.70	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	-52.79	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Right	-52.87	PASS
N48	30	40	DFT-QPSK	L	Outer_Full	-45.34	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Left	-53.60	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Right	-53.95	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	-53.47	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	-53.31	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Right	-53.53	PASS
N48	30	40	DFT-QPSK	H	Outer_Full	-41.91	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	-54.42	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Right	-52.17	PASS

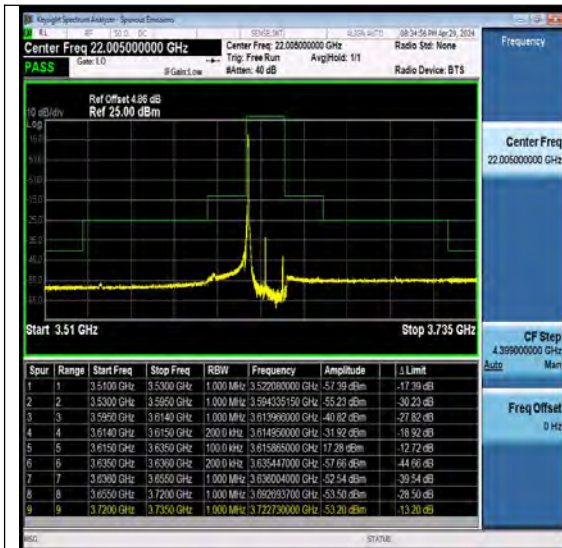
TEST GRAPHS



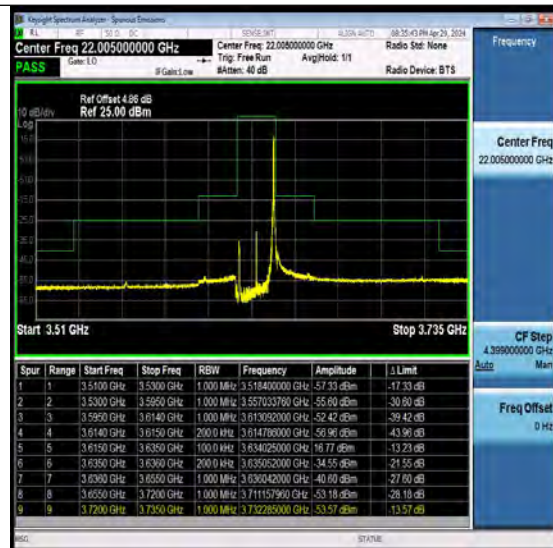


BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF11



NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_
Right-Ant6-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Outer_Full-A
nt6-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF11



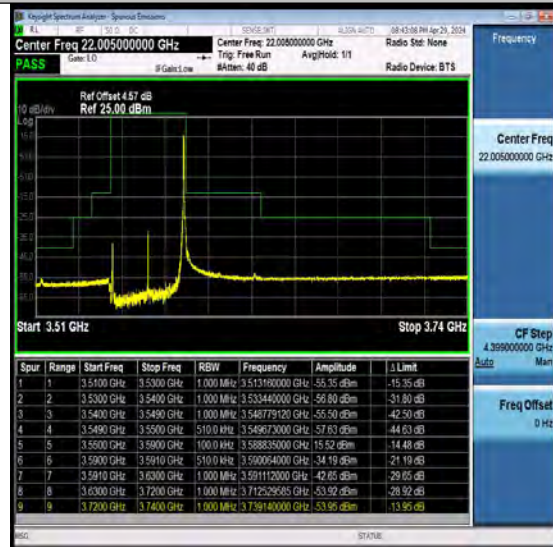
NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_
Right-Ant6-PASS



NTNV-N48-PC3-30-40-L-DFT-QPSK-Outer_Full-A
nt6-PASS



NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_
Right-Ant6-PASS

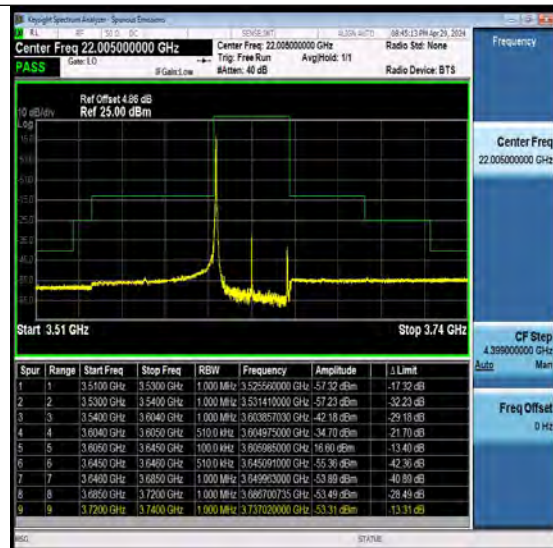


BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF11



NTNV-N48-PC3-30-40-M-DFT-QPSK-Outer_Full-Ant6-PASS



NTNV-N48-PC3-30-40-M-DFT-QPSK-Edge_1RB_Left-Ant6-PASS



NTNV-N48-PC3-30-40-M-DFT-QPSK-Edge_1RB_Right-Ant6-PASS

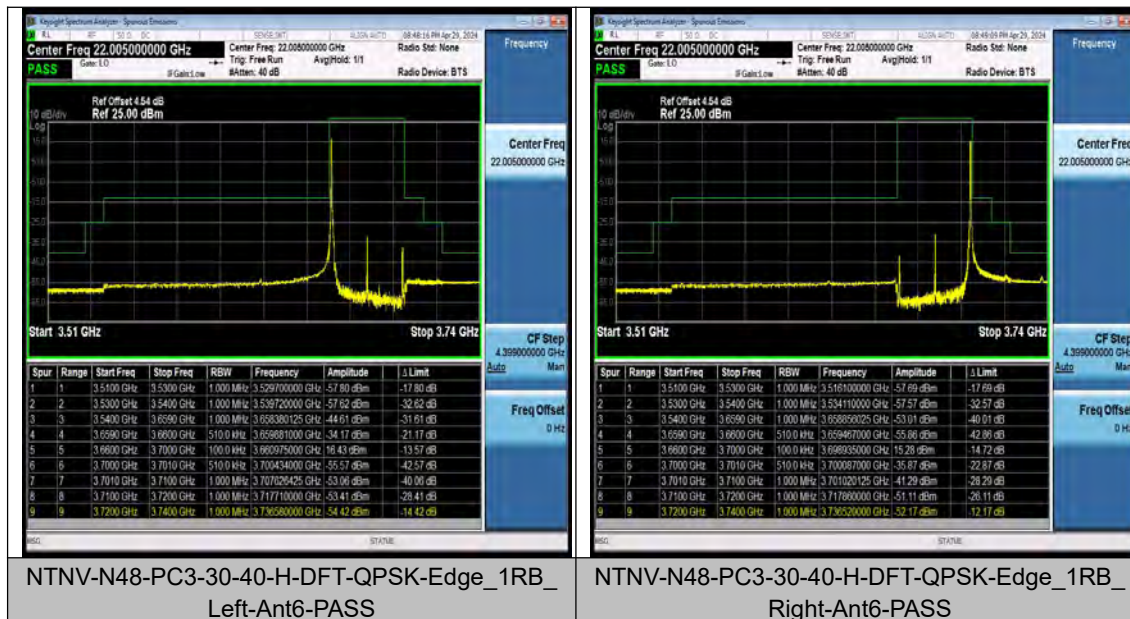


NTNV-N48-PC3-30-40-H-DFT-QPSK-Outer_Full-Ant6-PASS



BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF11



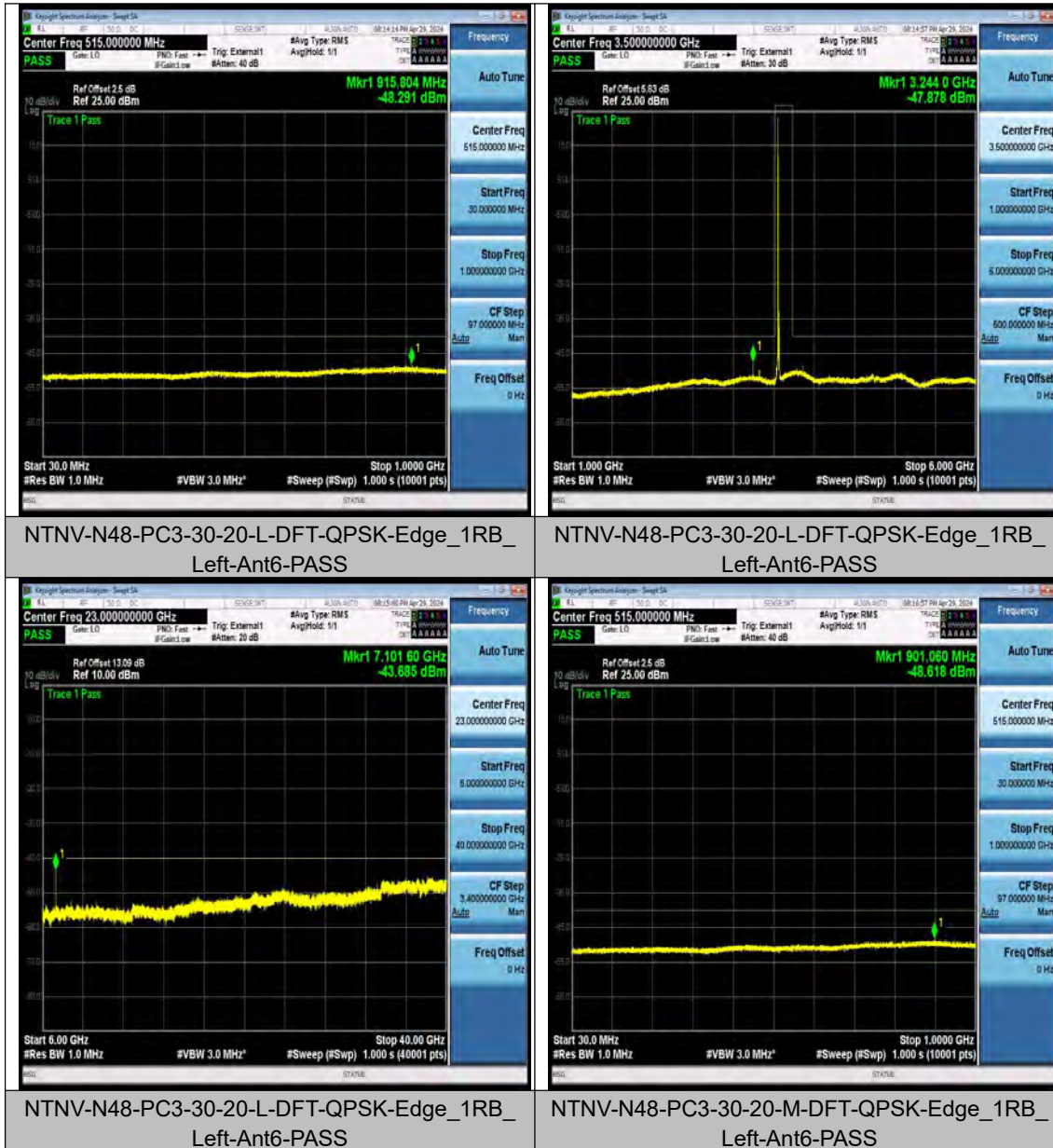


Reference No.: PSU-NQN2403180115RF11

CONDUCTED SPURIOUS EMISSION FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.29	-40	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	1000	6000	-47.88	-40	PASS
N48	30	20	DFT-QPSK	L	Edge_1RB_Left	6000	40000	-43.68	-40	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.62	-40	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	1000	6000	-49.10	-40	PASS
N48	30	20	DFT-QPSK	M	Edge_1RB_Left	6000	40000	-45.23	-40	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.82	-40	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	1000	6000	-48.79	-40	PASS
N48	30	20	DFT-QPSK	H	Edge_1RB_Left	6000	40000	-45.17	-40	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.59	-40	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Left	1000	6000	-48.16	-40	PASS
N48	30	40	DFT-QPSK	L	Edge_1RB_Left	6000	40000	-43.27	-40	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.68	-40	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	1000	6000	-48.21	-40	PASS
N48	30	40	DFT-QPSK	M	Edge_1RB_Left	6000	40000	-45.26	-40	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.62	-40	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	1000	6000	-48.02	-40	PASS
N48	30	40	DFT-QPSK	H	Edge_1RB_Left	6000	40000	-45.41	-40	PASS

TEST GRAPHS





BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF11



NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-20-M-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF11



NTNV-N48-PC3-30-20-H-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-40-L-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF11



NTNV-N48-PC3-30-40-M-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-40-M-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



NTNV-N48-PC3-30-40-M-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS

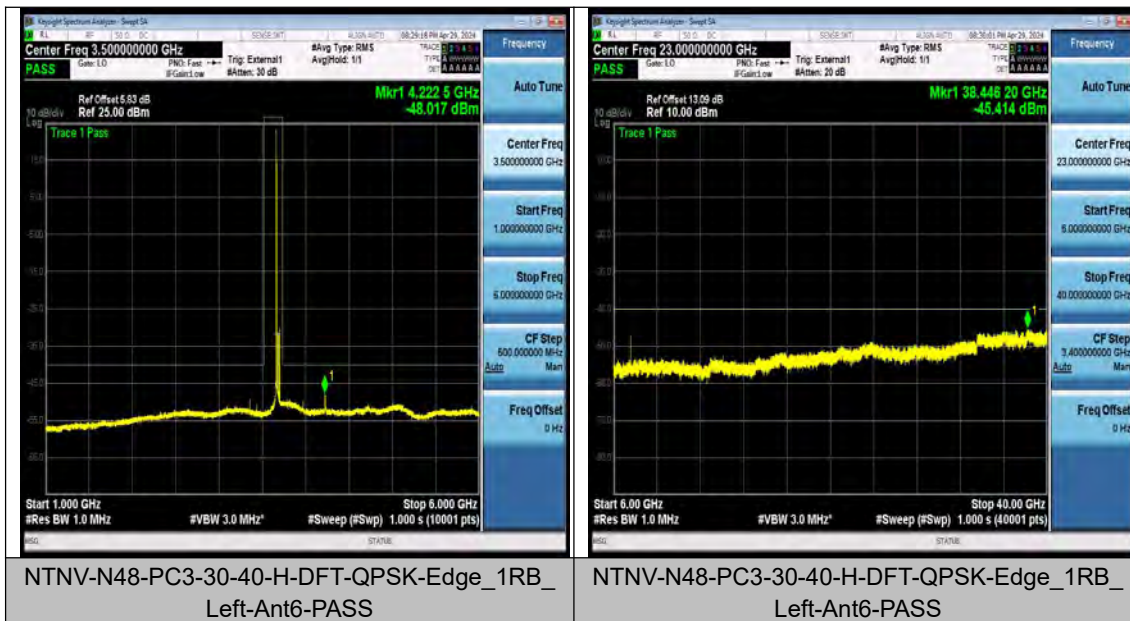


NTNV-N48-PC3-30-40-H-DFT-QPSK-Edge_1RB_
Left-Ant6-PASS



BUREAU
VERITAS

Reference No.: PSU-NQN2403180115RF11





Reference No.: PSU-NQN2403180115RF11

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
N48	30	20	DFT-QPSK	L	Outer_Full	VL	NT	17.000000	0.004775	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	VN	NT	3.000000	0.000843	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	VH	NT	11.000000	0.003090	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	-30	9.000000	0.002528	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	-20	7.000000	0.001965	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	-10	2.000000	0.000562	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	0	13.000000	0.003652	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	10	1.000000	0.000281	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	20	19.000000	0.005337	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	30	7.000000	0.001965	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	40	5.000000	0.001404	PASS
N48	30	20	DFT-QPSK	L	Outer_Full	NV	50	4.000000	0.001124	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	VL	NT	4.000000	0.001103	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	VN	NT	9.000000	0.002483	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	VH	NT	1.000000	0.000276	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	-30	18.000000	0.004966	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	-20	1.000000	0.000276	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	-10	19.000000	0.005241	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	0	14.000000	0.003862	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	10	5.000000	0.001379	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	20	1.000000	0.000276	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	30	7.000000	0.001931	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	40	18.000000	0.004966	PASS
N48	30	20	DFT-QPSK	M	Outer_Full	NV	50	9.000000	0.002483	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	VL	NT	2.000000	0.000542	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	VN	NT	19.000000	0.005149	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	VH	NT	17.000000	0.004607	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	-30	6.000000	0.001626	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	-20	1.000000	0.000271	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	-10	18.000000	0.004878	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	0	8.000000	0.002168	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	10	16.000000	0.004336	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	20	7.000000	0.001897	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	30	6.000000	0.001626	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	40	13.000000	0.003523	PASS
N48	30	20	DFT-QPSK	H	Outer_Full	NV	50	14.000000	0.003794	PASS

--END--