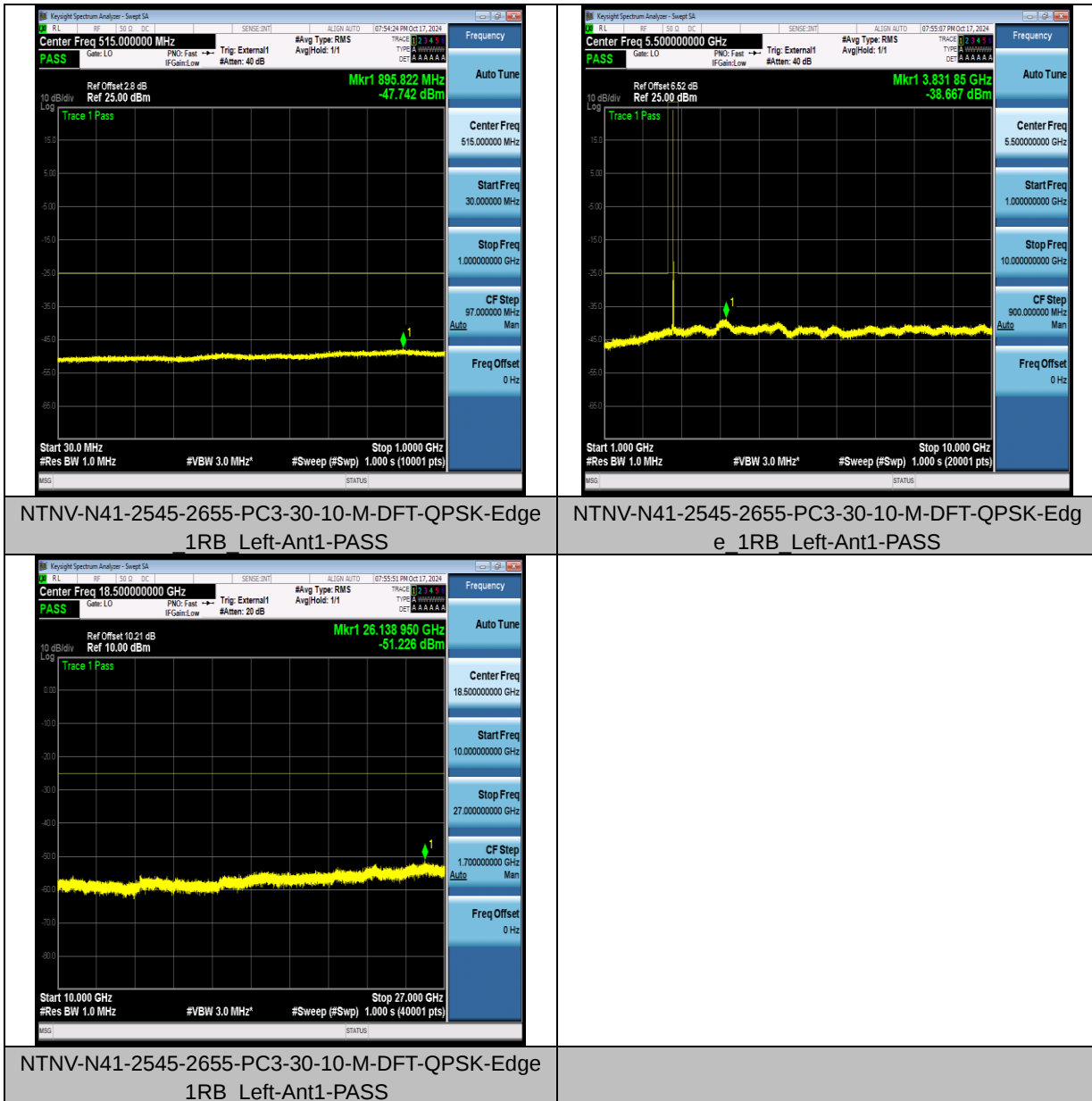




BUREAU
VERITAS

Reference No.: W7L-P24090006RF01



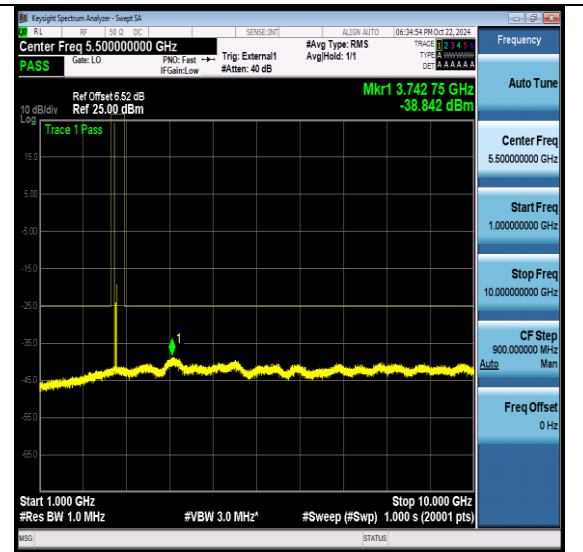


BUREAU
VERITAS

Reference No.: W7L-P24090006RF01



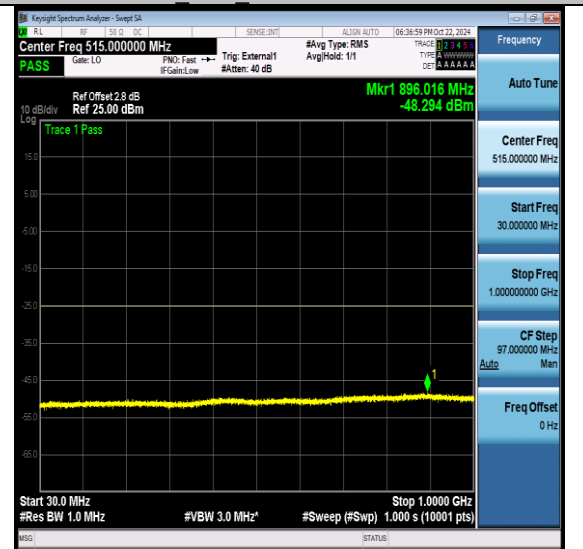
NTNV-N41-2545-2655-PC3-30-60-L-DFT-QPSK-Edge_1RB Left-Ant1-PASS



NTNV-N41-2545-2655-PC3-30-60-L-DFT-QPSK-Edge_1RB Left-Ant1-PASS



NTNV-N41-2545-2655-PC3-30-60-L-DFT-QPSK-Edge_1RB Left-Ant1-PASS

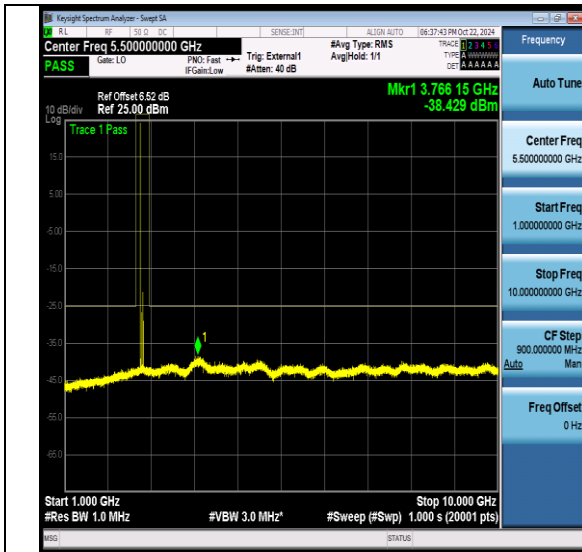


NTNV-N41-2545-2655-PC3-30-60-M-DFT-QPSK-Edge_1RB Left-Ant1-PASS

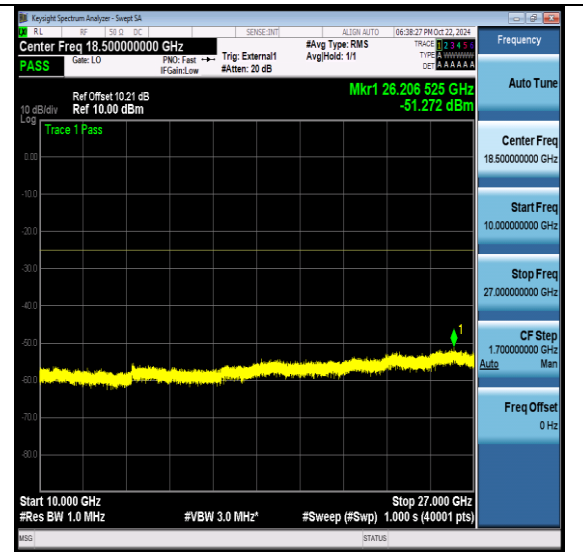


BUREAU
VERITAS

Reference No.: W7L-P24090006RF01



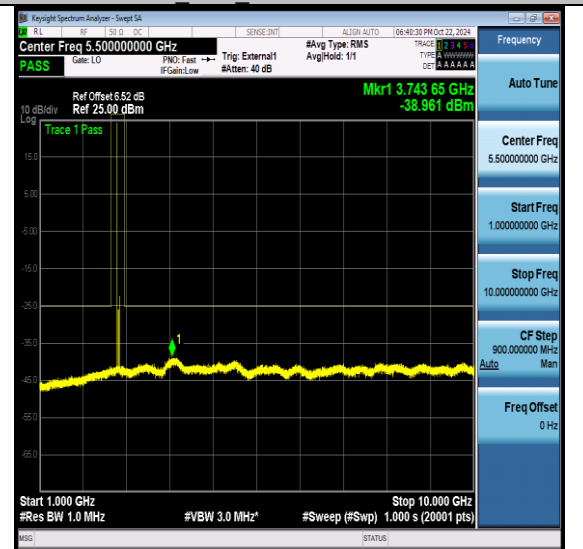
NTN-N41-2545-2655-PC3-30-60-M-DFT-QPSK-Edge
1RB Left-Ant1-PASS



NTN-N41-2545-2655-PC3-30-60-M-DFT-QPSK-Edg
e 1RB Left-Ant1-PASS



NTN-N41-2545-2655-PC3-30-60-H-DFT-QPSK-Edge
1RB Left-Ant1-PASS



NTN-N41-2545-2655-PC3-30-60-H-DFT-QPSK-Edg
e 1RB Left-Ant1-PASS



BUREAU
VERITAS

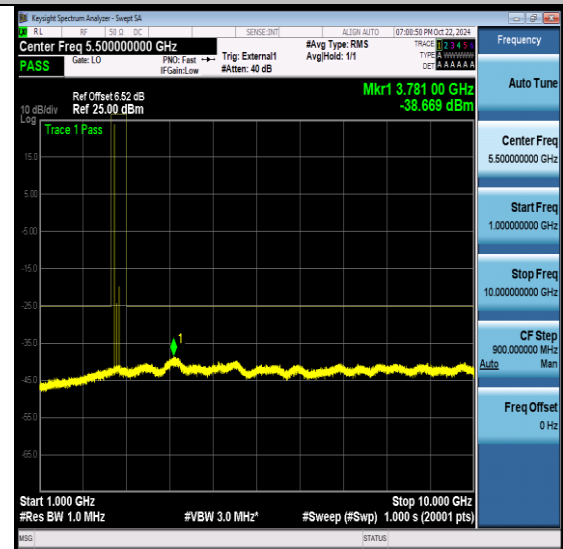
Reference No.: W7L-P24090006RF01



NTN-N41-2545-2655-PC3-30-60-H-DFT-QPSK-Edge
1RB Left-Ant1-PASS



NTN-N41-2545-2655-PC3-30-100-L-DFT-QPSK-Edge
1RB Left-Ant1-PASS



NTN-N41-2545-2655-PC3-30-100-L-DFT-QPSK-Ed
ge 1RB Left-Ant1-PASS

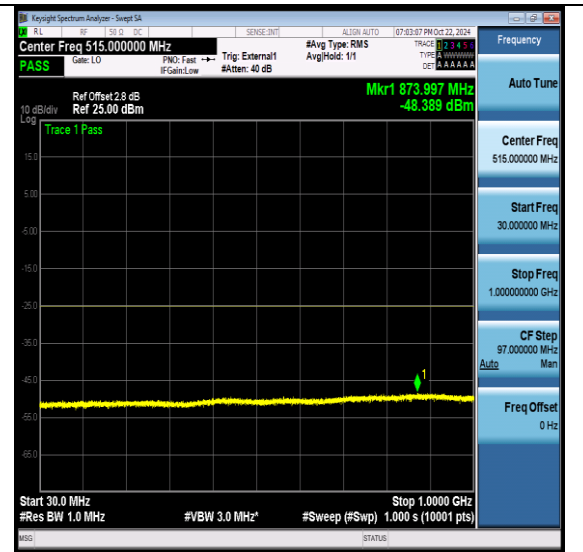


BUREAU
VERITAS

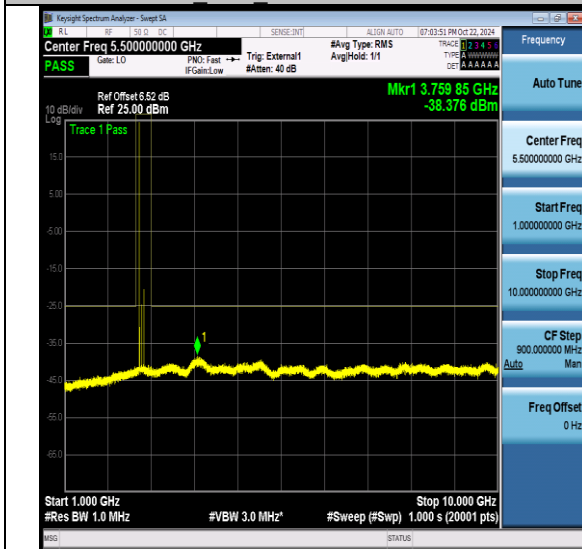
Reference No.: W7L-P24090006RF01



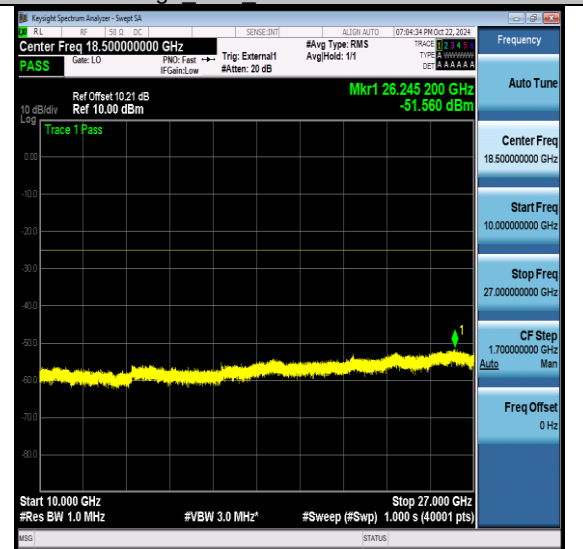
NTNV-N41-2545-2655-PC3-30-100-L-DFT-QPSK-Edge 1RB Left-Ant1-PASS



NTNV-N41-2545-2655-PC3-30-100-M-DFT-QPSK-Edge 1RB Left-Ant1-PASS



NTNV-N41-2545-2655-PC3-30-100-M-DFT-QPSK-Edge 1RB Left-Ant1-PASS



NTNV-N41-2545-2655-PC3-30-100-M-DFT-QPSK-Edge 1RB Left-Ant1-PASS

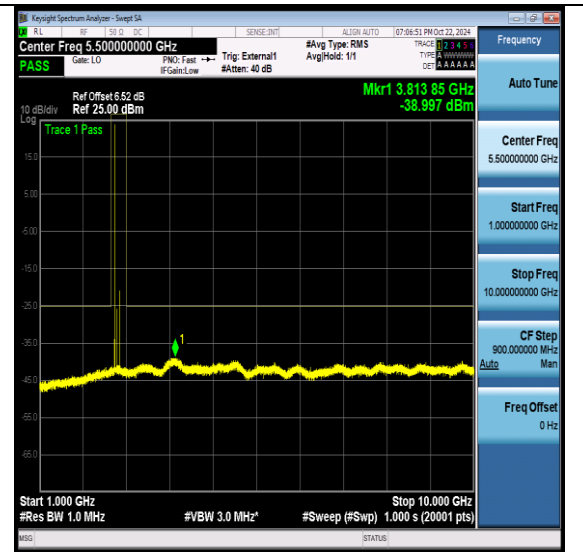


BUREAU
VERITAS

Reference No.: W7L-P24090006RF01



NTNV-N41-2545-2655-PC3-30-100-H-DFT-QPSK-Edge 1RB Left-Ant1-PASS



NTNV-N41-2545-2655-PC3-30-100-H-DFT-QPSK-Edge 1RB Left-Ant1-PASS



NTNV-N41-2545-2655-PC3-30-100-H-DFT-QPSK-Edge 1RB Left-Ant1-PASS

FREQUENCY STABILITY FOR SA TEST RESULT

Frequency Error VS. Voltage

Voltage										
Band	SC S	Bandwid th	Modulatio n	Chann el	RB Config	Volta ge	Temperat ure	Deviation(Hz)	Deviation (ppm)	Verdi ct
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	VL	NT	-5.257000	-0.0020 58	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	VN	NT	-6.217000	-0.0024 33	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	VH	NT	-3.663000	-0.0014 34	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	-30	-5.406000	-0.0021 16	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	-20	-5.493000	-0.0021 50	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	-10	-3.496000	-0.0013 68	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	0	-6.052000	-0.0023 69	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	10	-3.528000	-0.0013 81	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	20	-7.256000	-0.0028 40	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	30	-5.913000	-0.0023 14	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	40	-3.369000	-0.0013 19	PAS S
N41-2545-2 655	30	20	DFT-QP SK	L	Outer_F ull	NV	50	-4.699000	-0.0018 39	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	VL	NT	-0.908000	-0.0003 49	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	VN	NT	2.611000	0.00100 3	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	VH	NT	-0.780000	-0.0003 00	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	-30	-3.737000	-0.0014 37	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	-20	1.804000	0.00069 4	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	-10	-0.622000	-0.0002 39	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	0	-1.919000	-0.0007 38	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	10	0.981000	0.00037 7	PAS S



**BUREAU
VERITAS**

Reference No.: W7L-P24090006RF01

N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	20	-1.588000	-0.0006 11	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	30	-1.053000	-0.0004 05	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	40	-3.166000	-0.0012 18	PAS S
N41-2545-2 655	30	20	DFT-QP SK	M	Outer_F ull	NV	50	-3.721000	-0.0014 31	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	VL	NT	-5.850000	-0.0022 16	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	VN	NT	-6.481000	-0.0024 55	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	VH	NT	-0.722000	-0.0002 73	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	-30	-5.416000	-0.0020 52	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	-20	-0.057000	-0.0000 22	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	-10	-5.092000	-0.0019 29	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	0	-5.923000	-0.0022 44	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	10	-4.229000	-0.0016 02	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	20	-3.413000	-0.0012 93	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	30	-7.134000	-0.0027 02	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	40	-5.953000	-0.0022 55	PAS S
N41-2545-2 655	30	20	DFT-QP SK	H	Outer_F ull	NV	50	-7.935000	-0.0030 06	PAS S



Reference No.: W7L-P24090006RF01

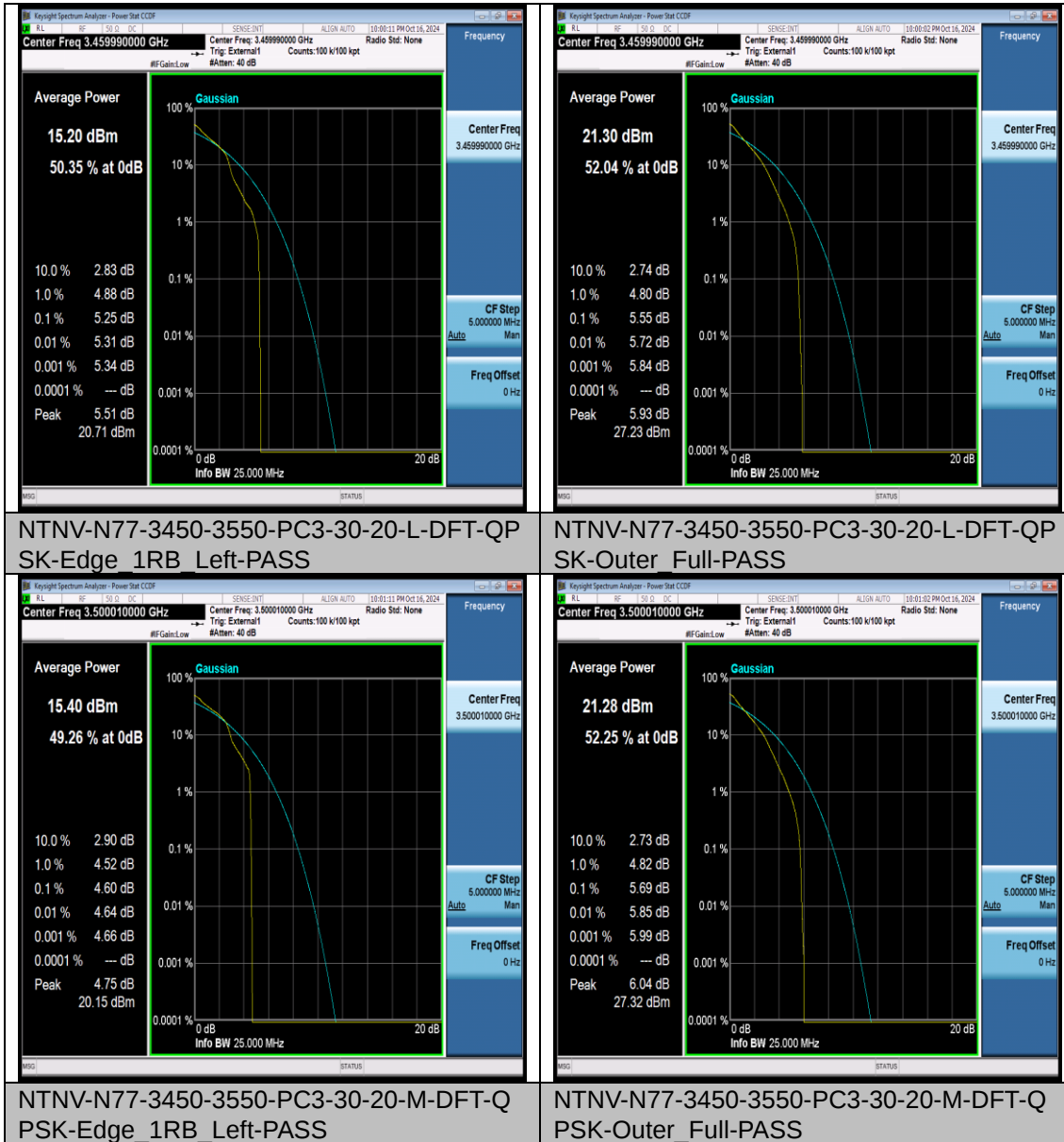
SA N77 3450-3550

PEAK-TO-AVERAGE RATIO FOR SA Peak-to-Average Ratio(CCDF)

TEST RESULT

Band	SCS	Bandwidth h	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3450-3550	30	20	DFT-QPSK	L	Edge_1RB_Left	5.25	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	L	Outer_Full	5.55	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Edge_1RB_Left	4.60	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	M	Outer_Full	5.69	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Edge_1RB_Left	4.65	≤13	PASS
N77-3450-3550	30	20	DFT-QPSK	H	Outer_Full	5.61	≤13	PASS

TEST GRAPHS





BUREAU
VERITAS

Reference No.: W7L-P24090006RF01



26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3450 -3550	30	10	DFT-PI2BPSK	M	Outer_Full	8.5793	9.568	PASS
N77-3450 -3550	30	10	DFT-QPSK	M	Outer_Full	8.5847	9.445	PASS
N77-3450 -3550	30	10	DFT-16QAM	M	Outer_Full	8.5721	9.382	PASS
N77-3450 -3550	30	10	DFT-64QAM	M	Outer_Full	8.5746	9.636	PASS
N77-3450 -3550	30	10	DFT-256QAM	M	Outer_Full	8.5644	9.704	PASS
N77-3450 -3550	30	15	DFT-PI2BPSK	M	Outer_Full	12.826	13.85	PASS
N77-3450 -3550	30	15	DFT-QPSK	M	Outer_Full	12.824	14.03	PASS
N77-3450 -3550	30	15	DFT-16QAM	M	Outer_Full	12.803	14.04	PASS
N77-3450 -3550	30	15	DFT-64QAM	M	Outer_Full	12.826	14.07	PASS
N77-3450 -3550	30	15	DFT-256QAM	M	Outer_Full	12.834	13.99	PASS
N77-3450 -3550	30	20	DFT-PI2BPSK	M	Outer_Full	17.797	18.99	PASS
N77-3450 -3550	30	20	DFT-QPSK	M	Outer_Full	17.832	19.26	PASS
N77-3450 -3550	30	20	DFT-16QAM	M	Outer_Full	17.862	19.23	PASS
N77-3450 -3550	30	20	DFT-64QAM	M	Outer_Full	17.788	19.07	PASS
N77-3450 -3550	30	20	DFT-256QAM	M	Outer_Full	17.809	19.14	PASS
N77-3450 -3550	30	30	DFT-PI2BPSK	M	Outer_Full	26.749	28.51	PASS
N77-3450 -3550	30	30	DFT-QPSK	M	Outer_Full	26.713	28.31	PASS
N77-3450 -3550	30	30	DFT-16QAM	M	Outer_Full	26.741	28.45	PASS
N77-3450 -3550	30	30	DFT-64QAM	M	Outer_Full	26.743	28.51	PASS
N77-3450 -3550	30	30	DFT-256QAM	M	Outer_Full	26.763	28.36	PASS
N77-3450 -3550	30	40	DFT-PI2BPSK	M	Outer_Full	35.682	37.55	PASS
N77-3450 -3550	30	40	DFT-QPSK	M	Outer_Full	35.697	37.48	PASS
N77-3450 -3550	30	40	DFT-16QAM	M	Outer_Full	35.740	37.52	PASS



Reference No.: W7L-P24090006RF01

N77-3450-3550	30	40	DFT-64QAM	M	Outer_Full	35.754	37.51	PASS
N77-3450-3550	30	40	DFT-256QAM	M	Outer_Full	35.733	37.63	PASS
N77-3450-3550	30	50	DFT-PI2BPSK	M	Outer_Full	45.654	47.66	PASS
N77-3450-3550	30	50	DFT-QPSK	M	Outer_Full	45.662	47.72	PASS
N77-3450-3550	30	50	DFT-16QAM	M	Outer_Full	45.673	47.89	PASS
N77-3450-3550	30	50	DFT-64QAM	M	Outer_Full	45.661	47.88	PASS
N77-3450-3550	30	50	DFT-256QAM	M	Outer_Full	45.666	47.66	PASS
N77-3450-3550	30	60	DFT-PI2BPSK	M	Outer_Full	57.765	60.28	PASS
N77-3450-3550	30	60	DFT-QPSK	M	Outer_Full	57.853	60.11	PASS
N77-3450-3550	30	60	DFT-16QAM	M	Outer_Full	57.688	60.06	PASS
N77-3450-3550	30	60	DFT-64QAM	M	Outer_Full	57.747	60.09	PASS
N77-3450-3550	30	60	DFT-256QAM	M	Outer_Full	57.730	60.08	PASS
N77-3450-3550	30	70	DFT-PI2BPSK	M	Outer_Full	64.164	66.86	PASS
N77-3450-3550	30	70	DFT-QPSK	M	Outer_Full	64.226	66.93	PASS
N77-3450-3550	30	70	DFT-16QAM	M	Outer_Full	64.201	66.86	PASS
N77-3450-3550	30	70	DFT-64QAM	M	Outer_Full	64.154	66.69	PASS
N77-3450-3550	30	70	DFT-256QAM	M	Outer_Full	64.126	66.87	PASS
N77-3450-3550	30	80	DFT-PI2BPSK	M	Outer_Full	76.939	79.85	PASS
N77-3450-3550	30	80	DFT-QPSK	M	Outer_Full	77.035	79.87	PASS
N77-3450-3550	30	80	DFT-16QAM	M	Outer_Full	76.861	79.88	PASS
N77-3450-3550	30	80	DFT-64QAM	M	Outer_Full	77.132	79.71	PASS
N77-3450-3550	30	80	DFT-256QAM	M	Outer_Full	77.007	80.12	PASS
N77-3450-3550	30	90	DFT-PI2BPSK	M	Outer_Full	86.645	89.71	PASS
N77-3450-3550	30	90	DFT-QPSK	M	Outer_Full	86.575	89.67	PASS
N77-3450-3550	30	90	DFT-16QAM	M	Outer_Full	86.841	89.74	PASS
N77-3450-3550	30	90	DFT-64QAM	M	Outer_Full	86.409	89.58	PASS
N77-3450-3550	30	90	DFT-256QAM	M	Outer_Full	86.492	89.57	PASS

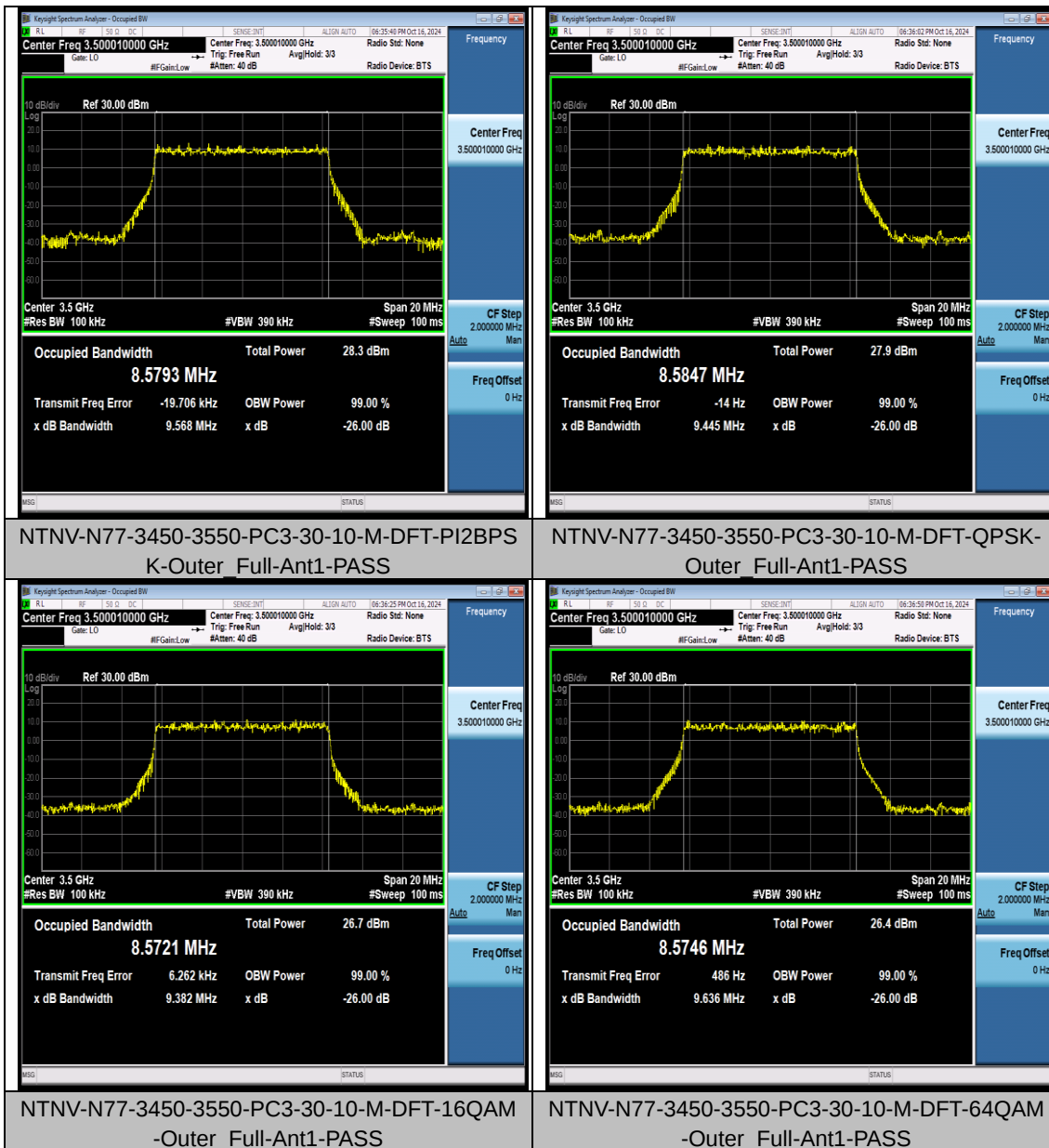


BUREAU
VERITAS

Reference No.: W7L-P24090006RF01

N77-3450 -3550	30	100	DFT-PI2BPSK	M	Outer_Full	96.102	99.46	PASS
N77-3450 -3550	30	100	DFT-QPSK	M	Outer_Full	96.308	99.85	PASS
N77-3450 -3550	30	100	DFT-16QAM	M	Outer_Full	96.313	99.89	PASS
N77-3450 -3550	30	100	DFT-64QAM	M	Outer_Full	96.209	99.82	PASS
N77-3450 -3550	30	100	DFT-256QAM	M	Outer_Full	96.183	99.67	PASS

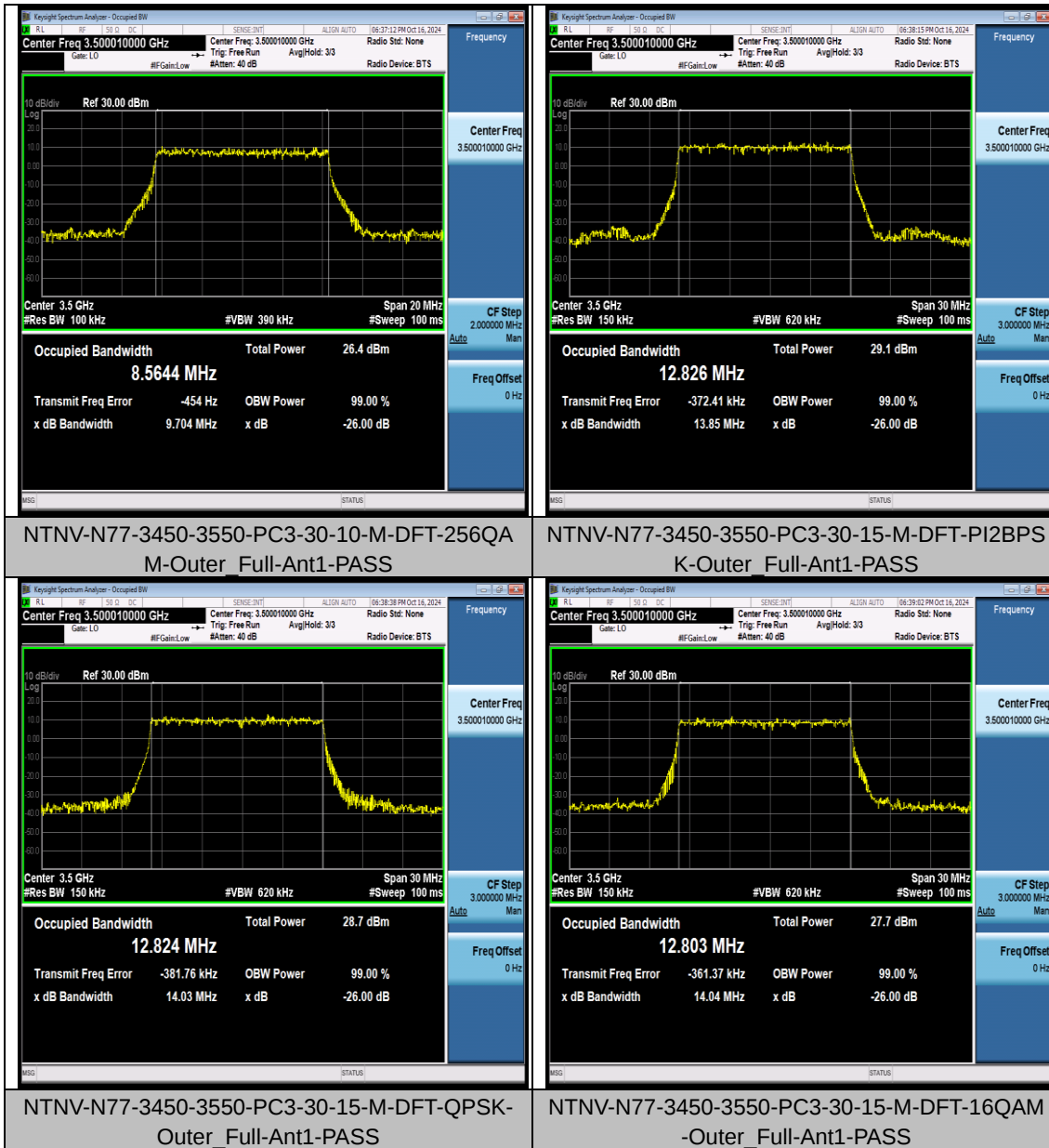
TEST GRAPHS





BUREAU
VERITAS

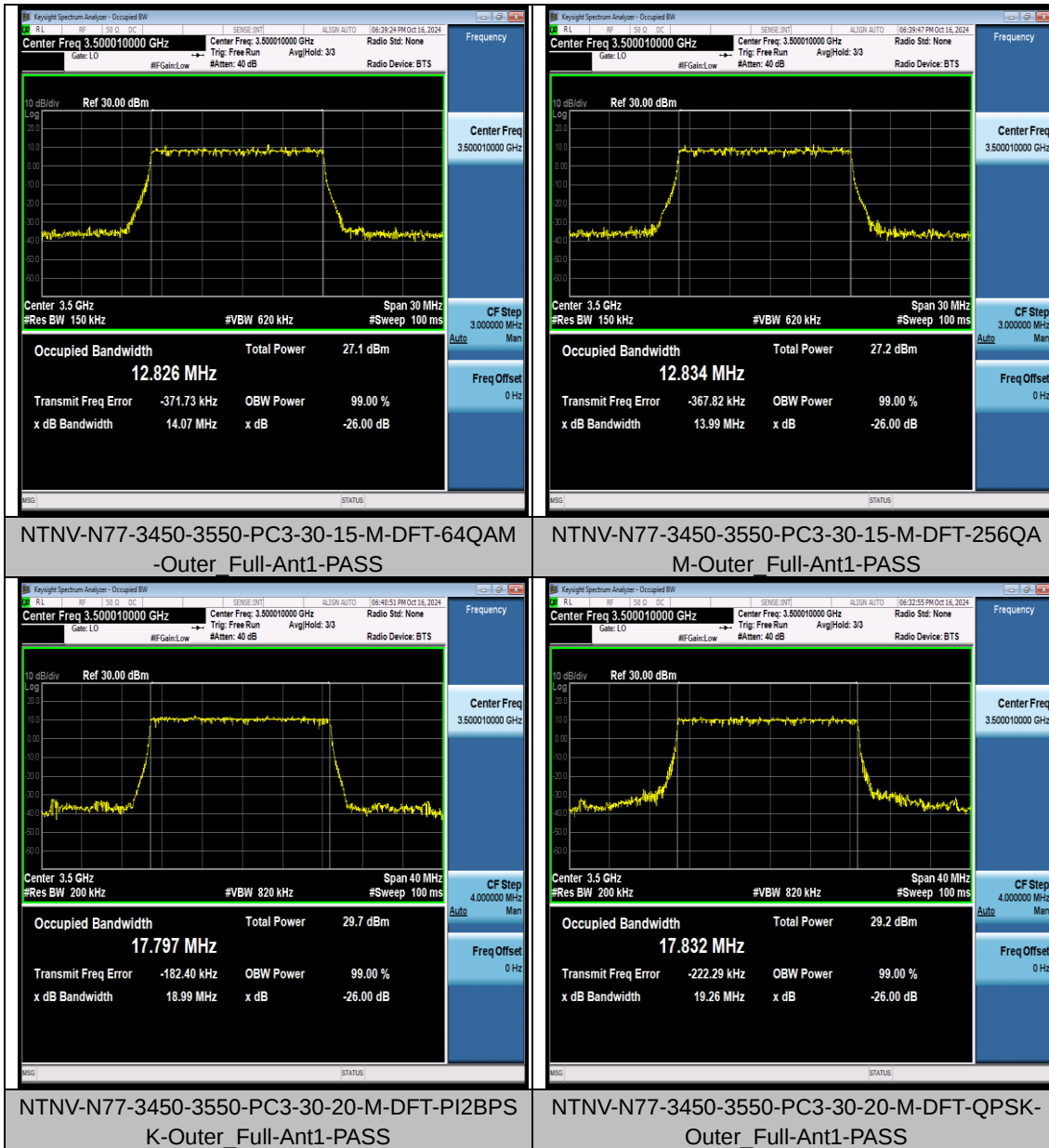
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

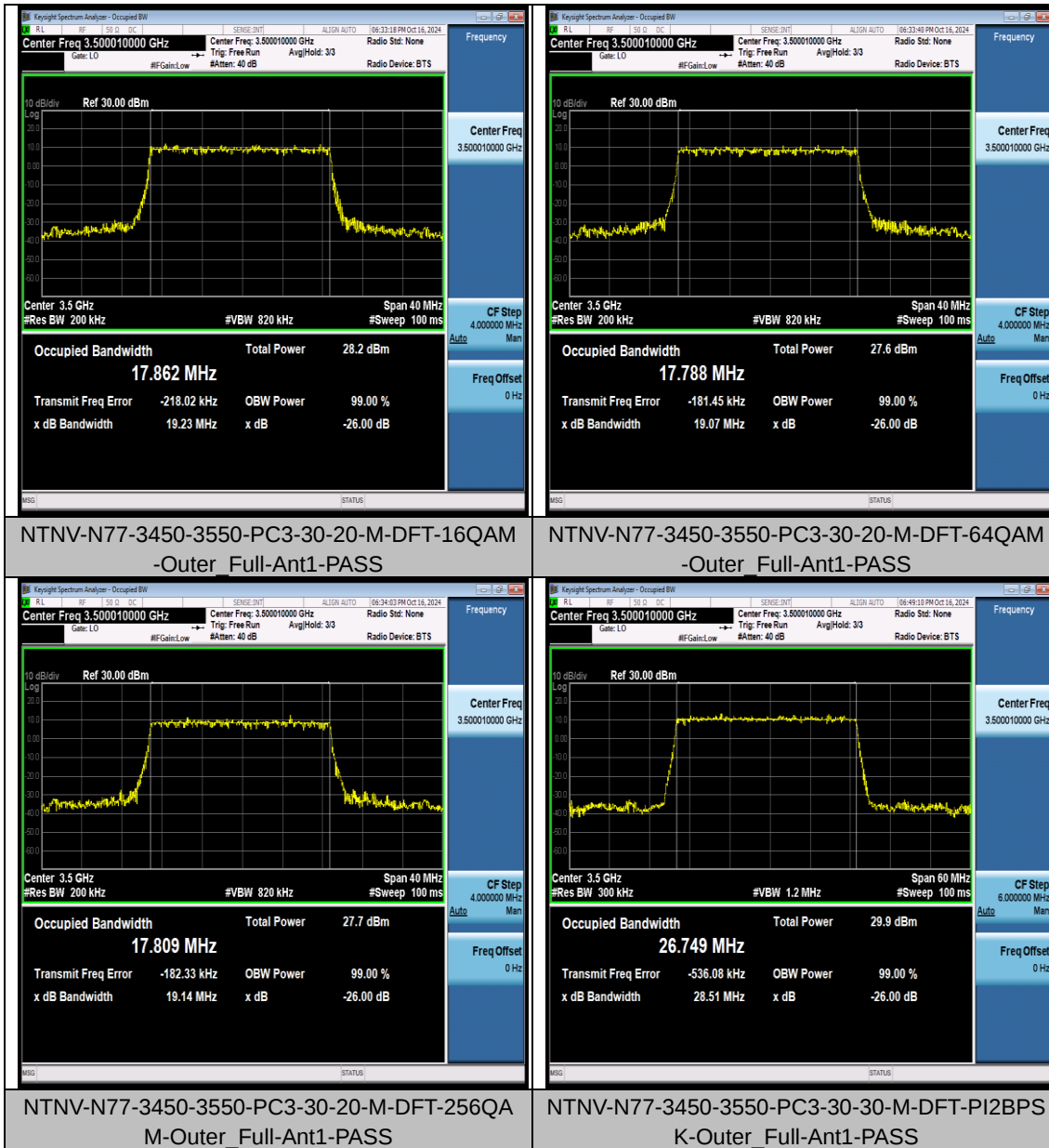
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

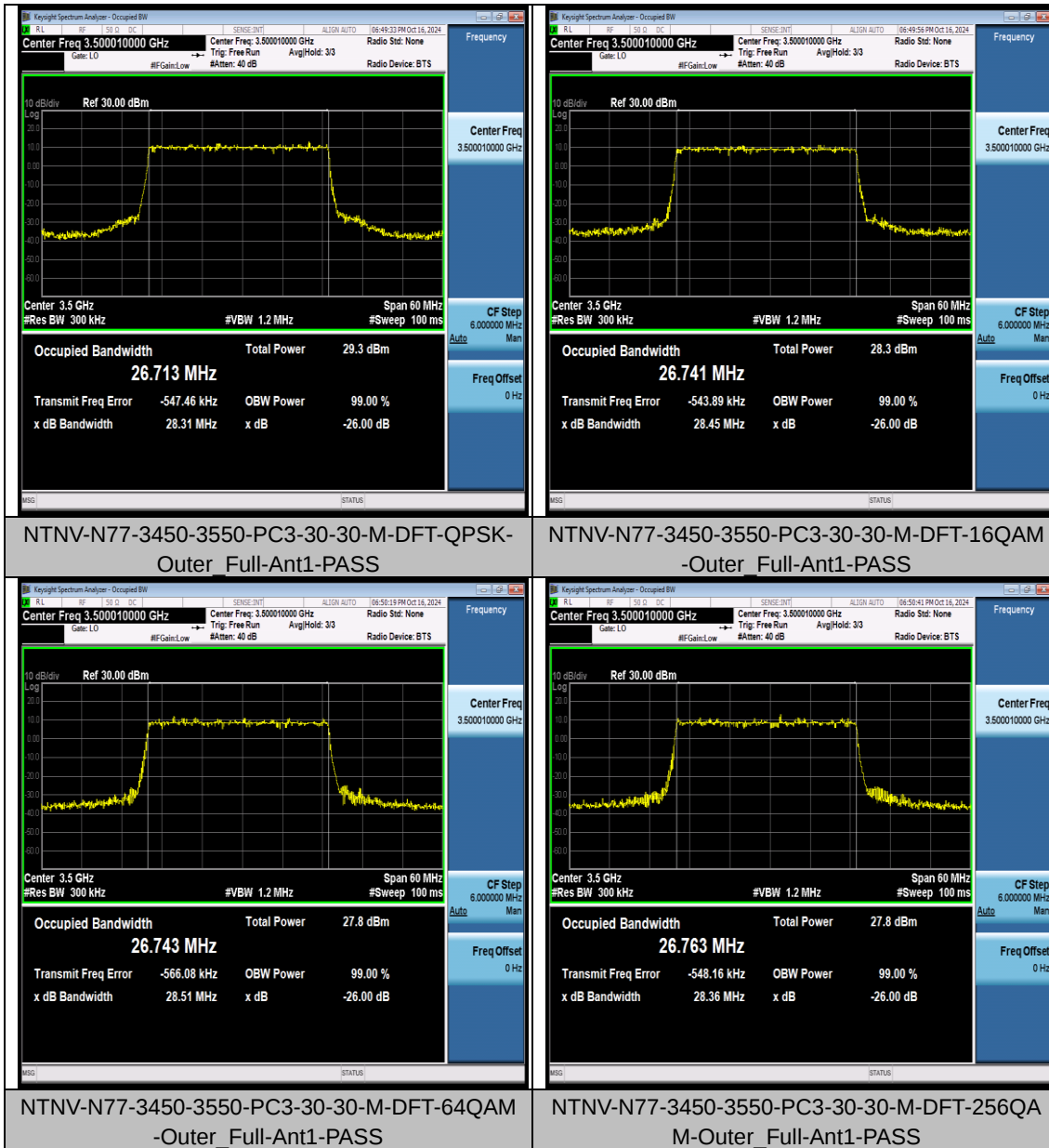
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

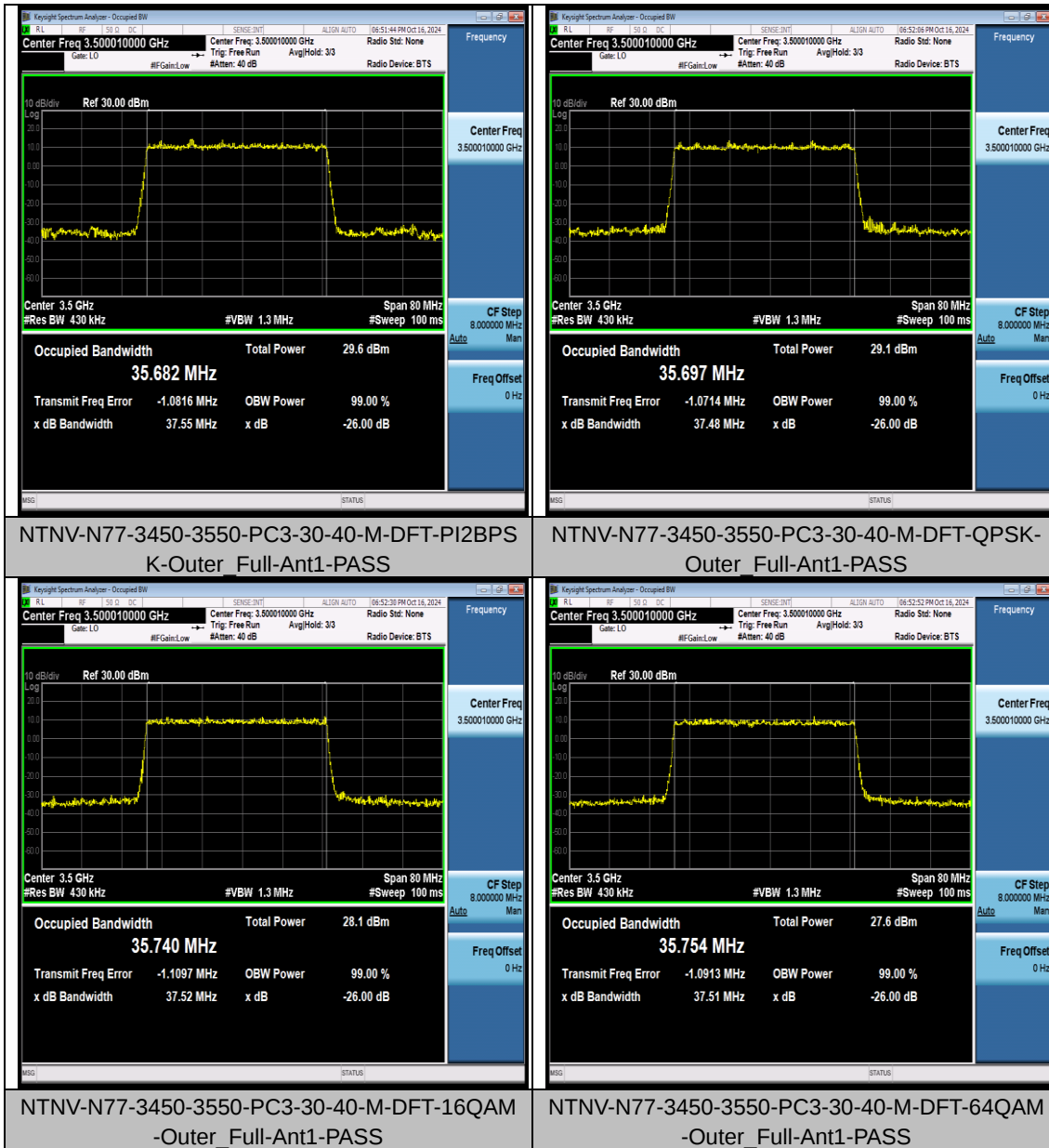
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

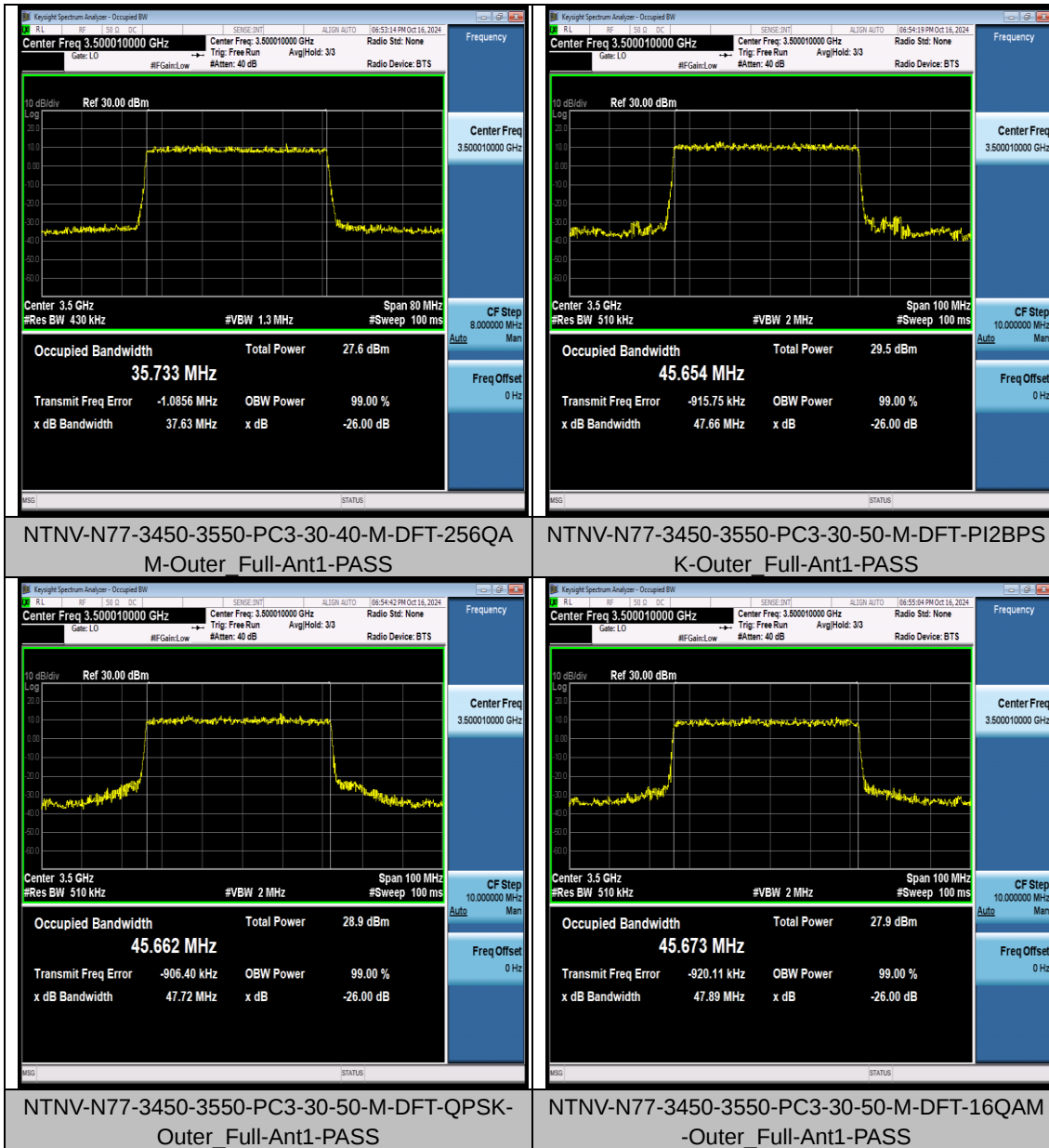
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

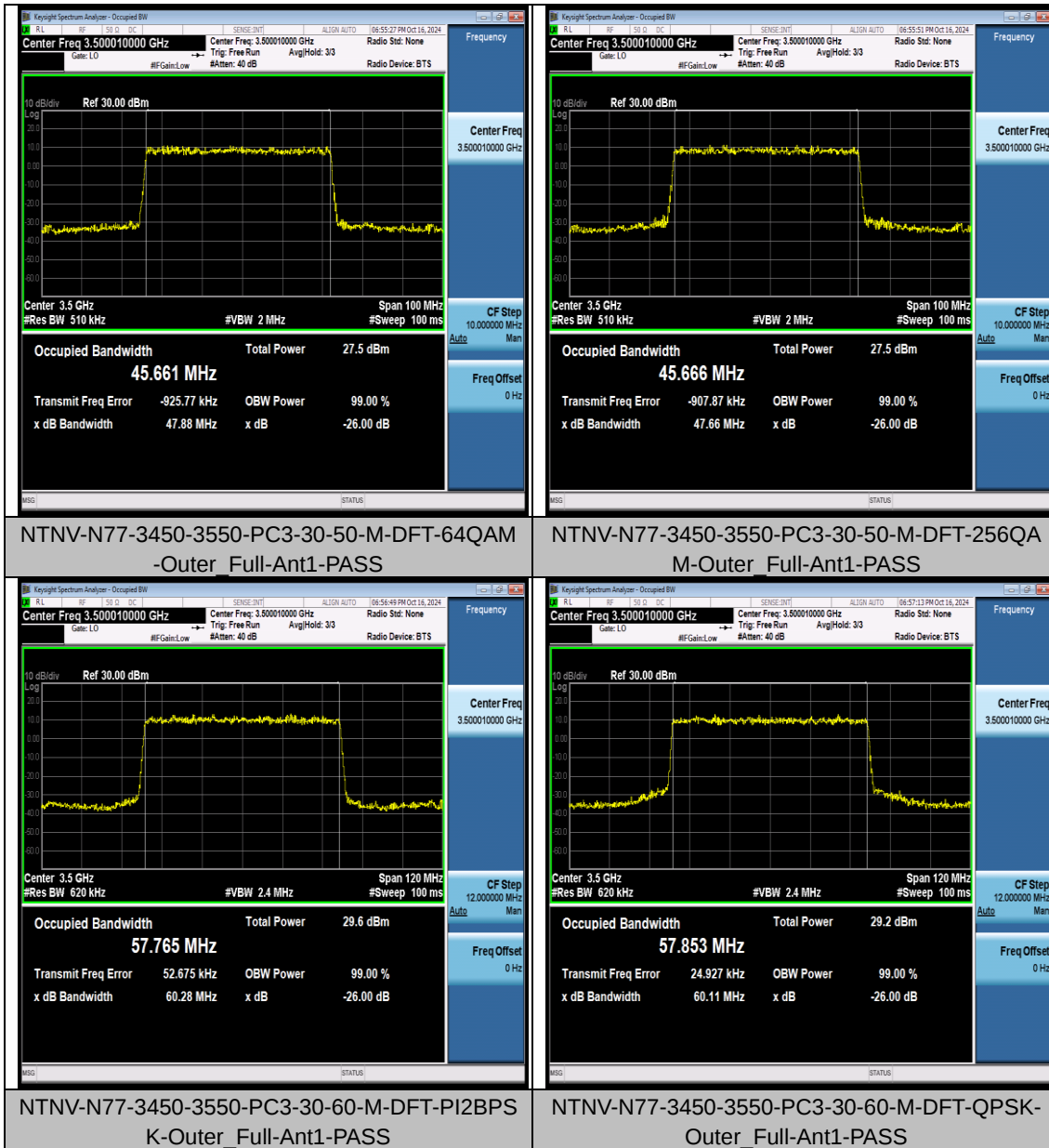
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

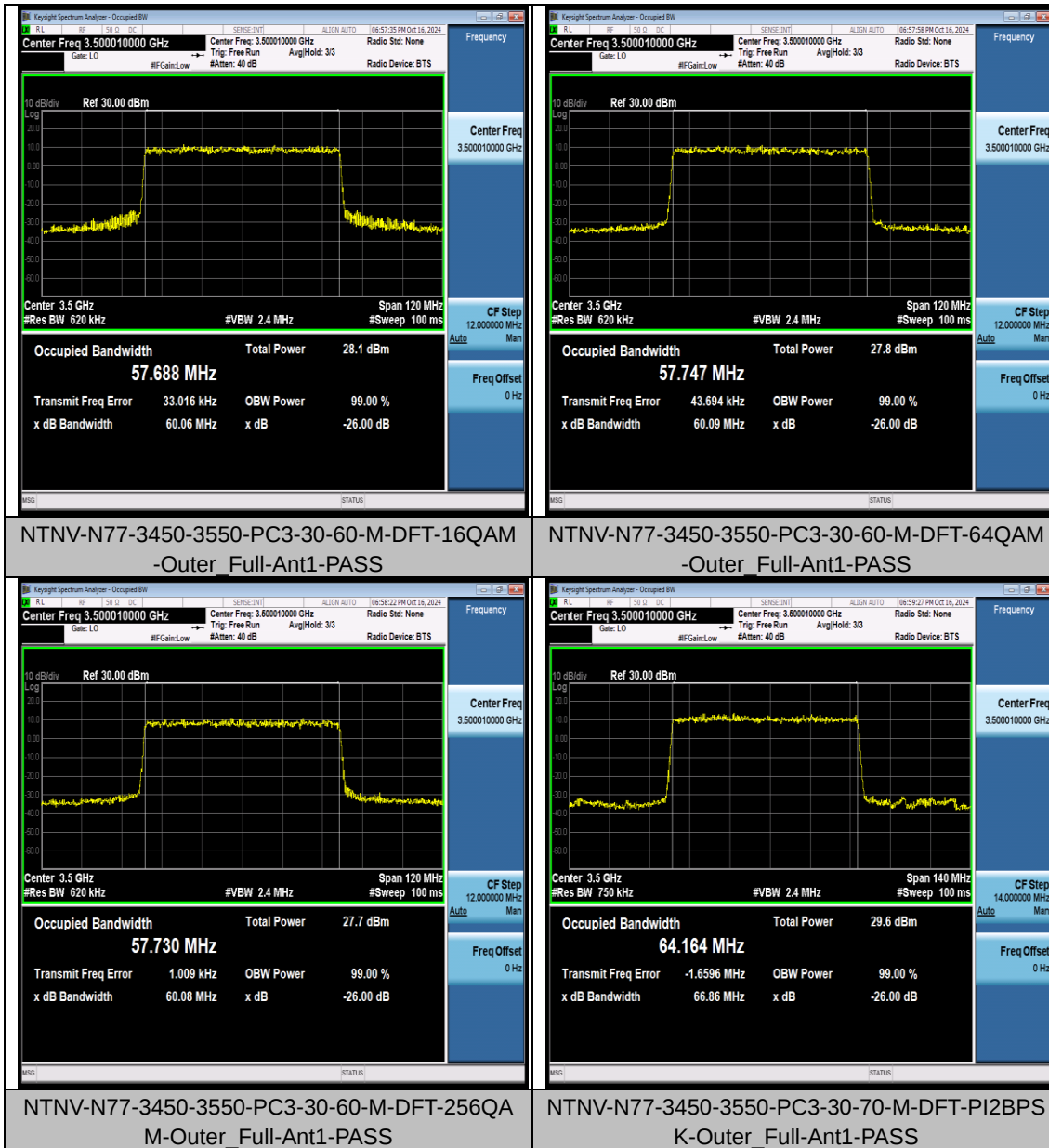
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

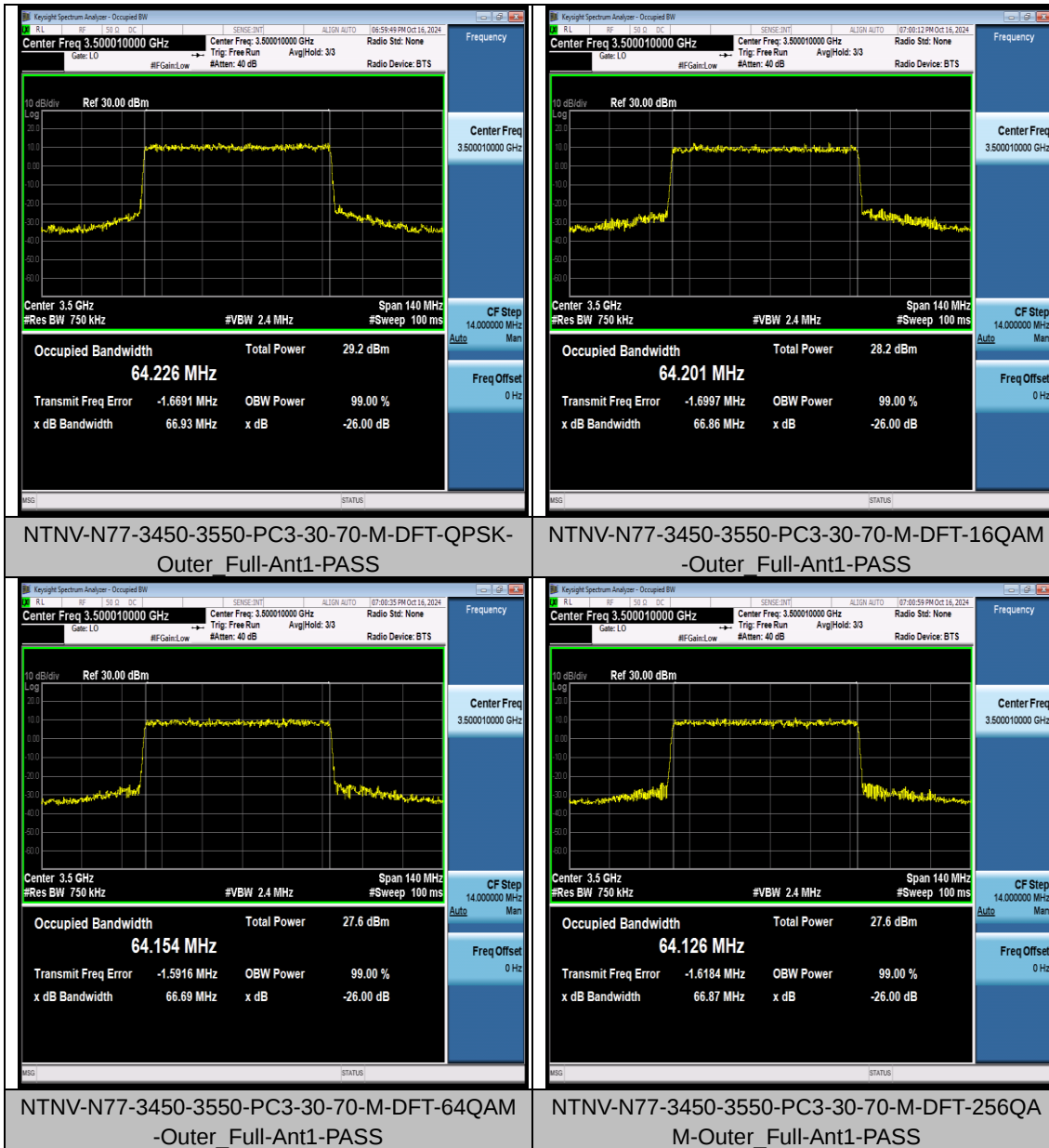
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

Reference No.: W7L-P24090006RF01

