



Reference No.: W7L-P24090006RF01

CONDUCTED SPURIOUS EMISSION FOR MIMO TEST RESULT-ANT A2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3 700-3980	30	10	CP-QPSK	L	Edge_1RB_Left	30	1000	-47.68	-13	PASS
N77-3 700-3980	30	10	CP-QPSK	L	Edge_1RB_Left	1000	40000	-25.74	-13	PASS
N77-3 700-3980	30	10	CP-QPSK	M	Edge_1RB_Left	30	1000	-47.84	-13	PASS
N77-3 700-3980	30	10	CP-QPSK	M	Edge_1RB_Left	1000	40000	-25.86	-13	PASS
N77-3 700-3980	30	10	CP-QPSK	H	Edge_1RB_Left	30	1000	-47.58	-13	PASS
N77-3 700-3980	30	10	CP-QPSK	H	Edge_1RB_Left	1000	40000	-25.77	-13	PASS
N77-3 700-3980	30	60	CP-QPSK	L	Edge_1RB_Left	30	1000	-47.81	-13	PASS
N77-3 700-3980	30	60	CP-QPSK	L	Edge_1RB_Left	1000	40000	-25.56	-13	PASS
N77-3 700-3980	30	60	CP-QPSK	M	Edge_1RB_Left	30	1000	-47.97	-13	PASS
N77-3 700-3980	30	60	CP-QPSK	M	Edge_1RB_Left	1000	40000	-25.60	-13	PASS
N77-3 700-3980	30	60	CP-QPSK	H	Edge_1RB_Left	30	1000	-47.90	-13	PASS
N77-3 700-3980	30	60	CP-QPSK	H	Edge_1RB_Left	1000	40000	-25.47	-13	PASS
N77-3 700-3980	30	100	CP-QPSK	L	Edge_1RB_Left	30	1000	-47.86	-13	PASS
N77-3 700-3980	30	100	CP-QPSK	L	Edge_1RB_Left	1000	40000	-25.60	-13	PASS
N77-3 700-3980	30	100	CP-QPSK	M	Edge_1RB_Left	30	1000	-47.81	-13	PASS



**BUREAU
VERITAS**

Reference No.: W7L-P24090006RF01

80										
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	1000	40000	-25.84	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	30	1000	-47.66	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	1000	40000	-25.46	-13	PASS

TEST RESULT-ANT A4

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3 700-39 80	30	10	CP-QPSK	L	Edge_1RB_Left	30	1000	-47.79	-13	PASS
N77-3 700-39 80	30	10	CP-QPSK	L	Edge_1RB_Left	1000	40000	-25.68	-13	PASS
N77-3 700-39 80	30	10	CP-QPSK	M	Edge_1RB_Left	30	1000	-47.95	-13	PASS
N77-3 700-39 80	30	10	CP-QPSK	M	Edge_1RB_Left	1000	40000	-25.89	-13	PASS
N77-3 700-39 80	30	10	CP-QPSK	H	Edge_1RB_Left	30	1000	-47.88	-13	PASS
N77-3 700-39 80	30	10	CP-QPSK	H	Edge_1RB_Left	1000	40000	-25.97	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	L	Edge_1RB_Left	30	1000	-47.94	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	L	Edge_1RB_Left	1000	40000	-25.79	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	M	Edge_1RB_Left	30	1000	-47.87	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	M	Edge_1RB_Left	1000	40000	-25.43	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	H	Edge_1RB_Left	30	1000	-47.84	-13	PASS
N77-3 700-39 80	30	60	CP-QPSK	H	Edge_1RB_Left	1000	40000	-25.65	-13	PASS
N77-3 700-39	30	100	CP-QPSK	L	Edge_1RB_Left	30	1000	-48.00	-13	PASS

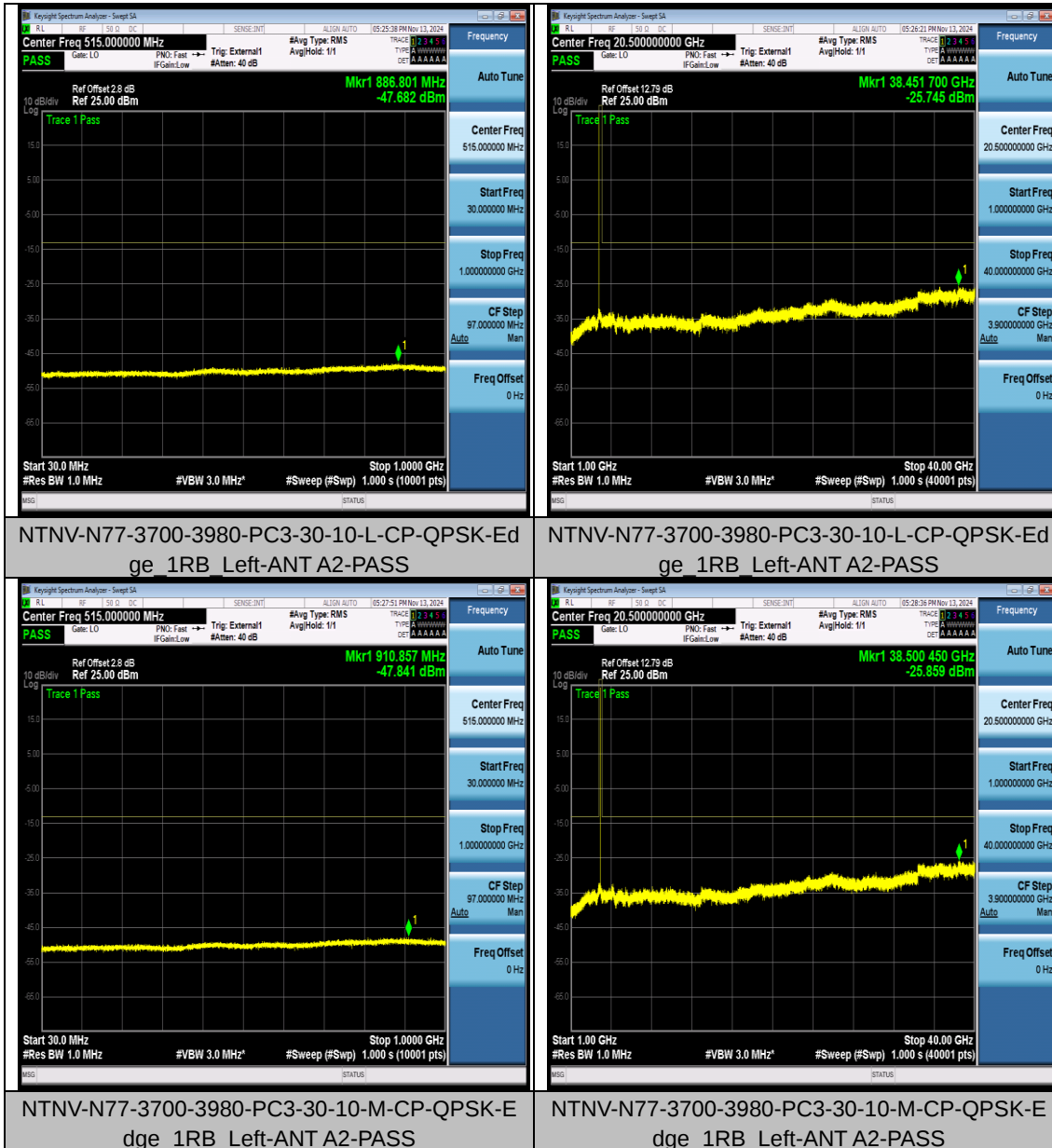


BUREAU
VERITAS

Reference No.: W7L-P24090006RF01

80										
N77-3 700-39 80	30	100	CP-QPSK	L	Edge_1RB_Left	1000	40000	-24.97	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	30	1000	-47.73	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	M	Edge_1RB_Left	1000	40000	-25.78	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	30	1000	-47.73	-13	PASS
N77-3 700-39 80	30	100	CP-QPSK	H	Edge_1RB_Left	1000	40000	-25.58	-13	PASS

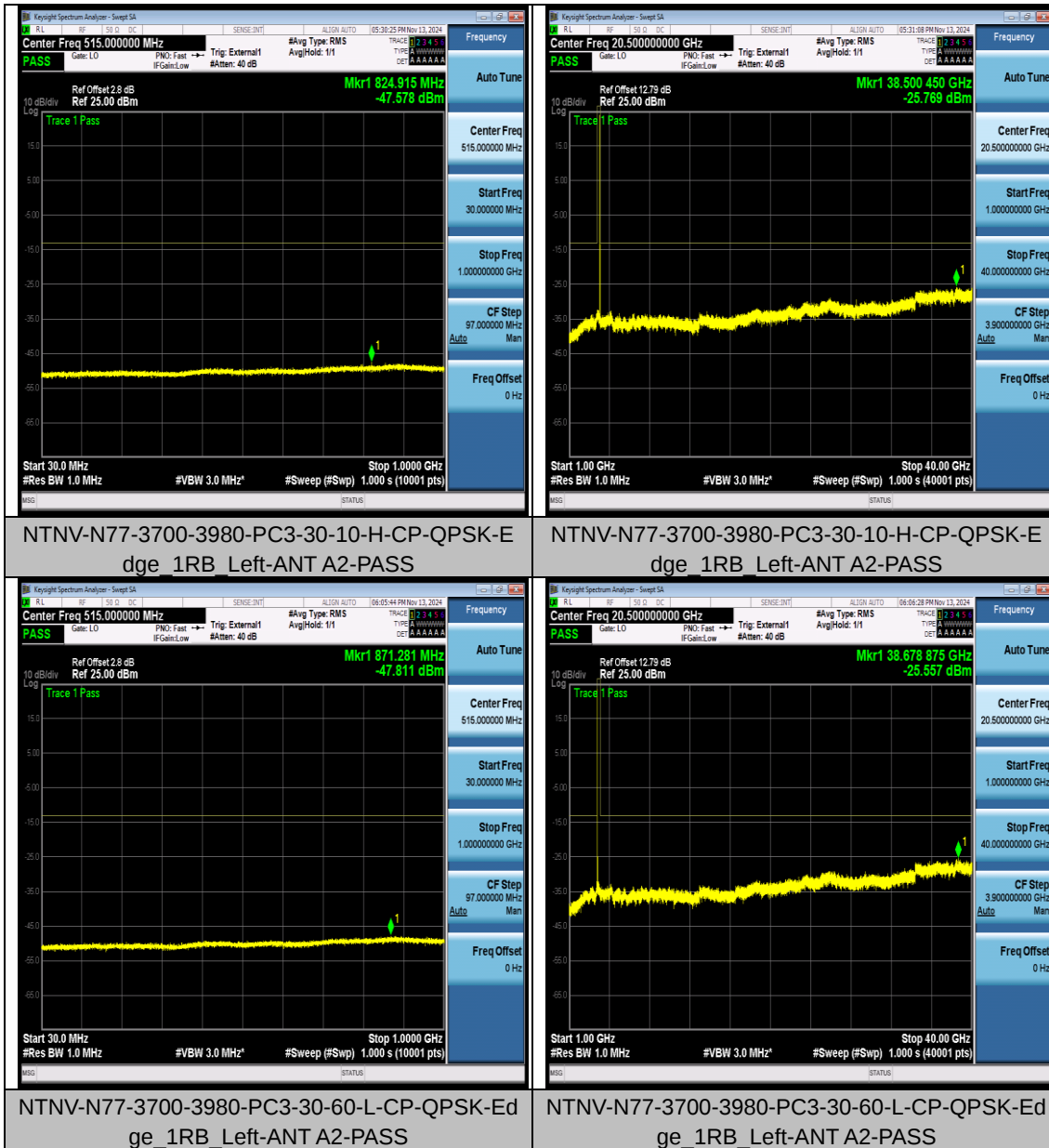
TEST GRAPHS-ANT A2





BUREAU
VERITAS

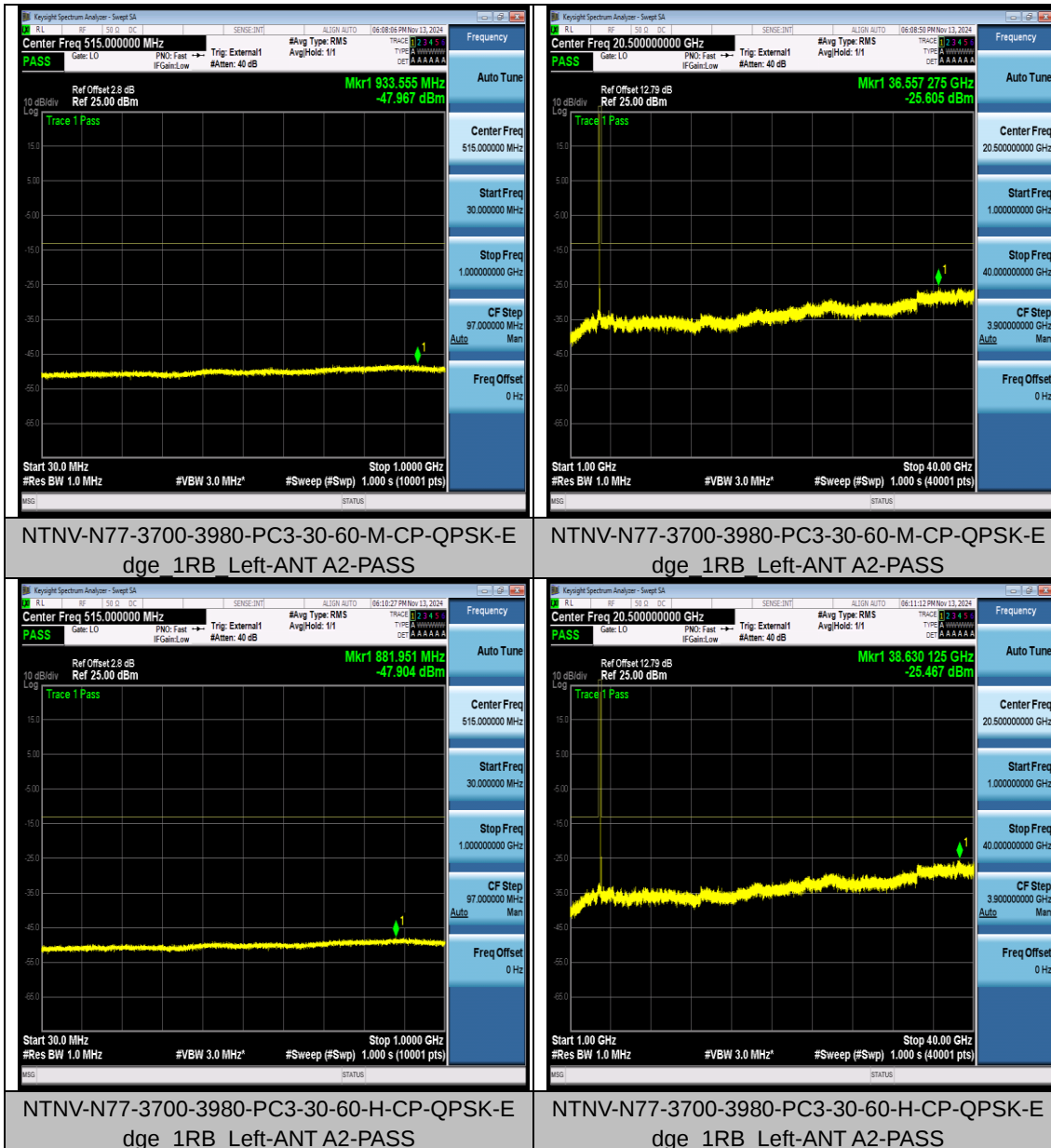
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

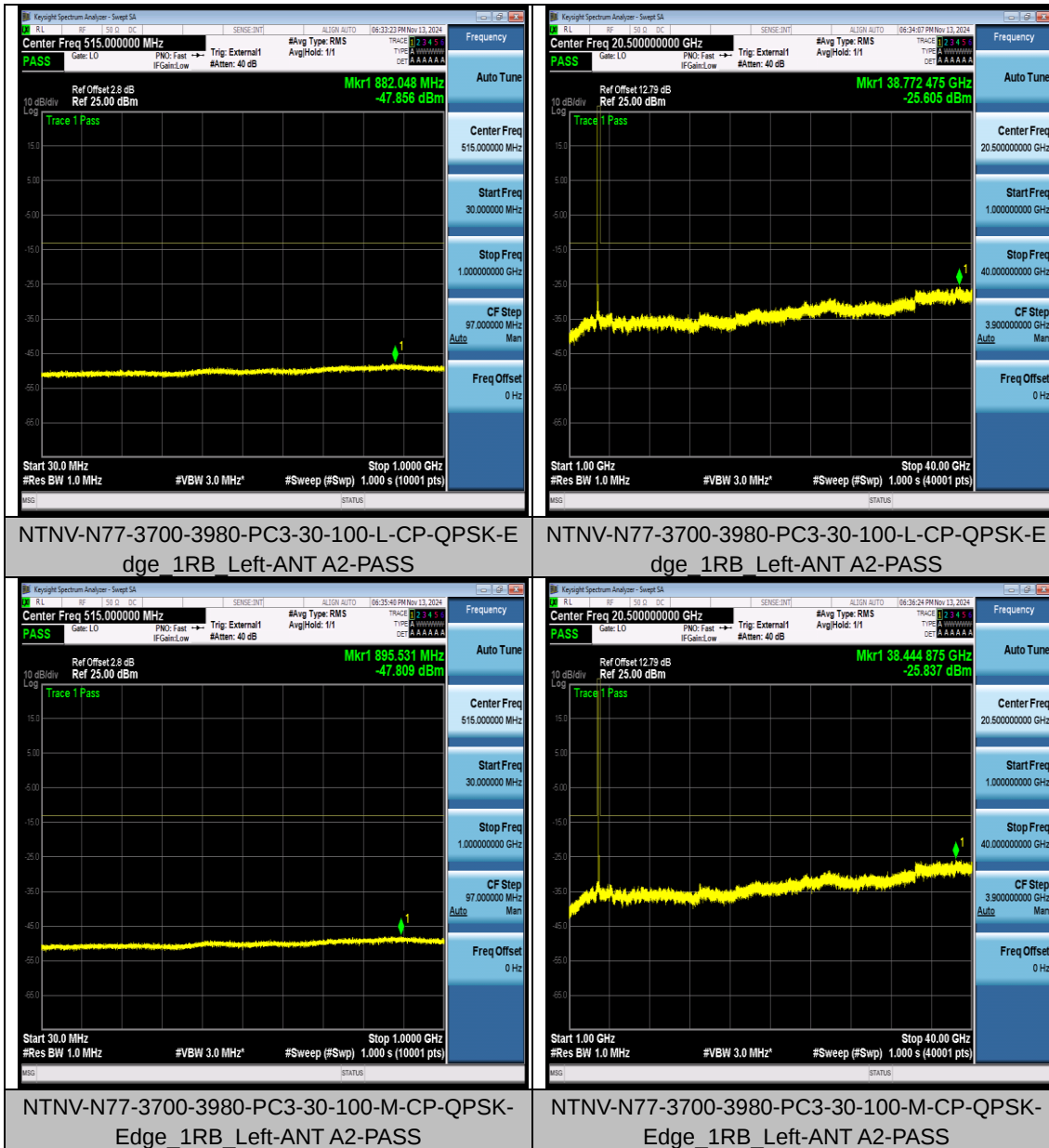
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

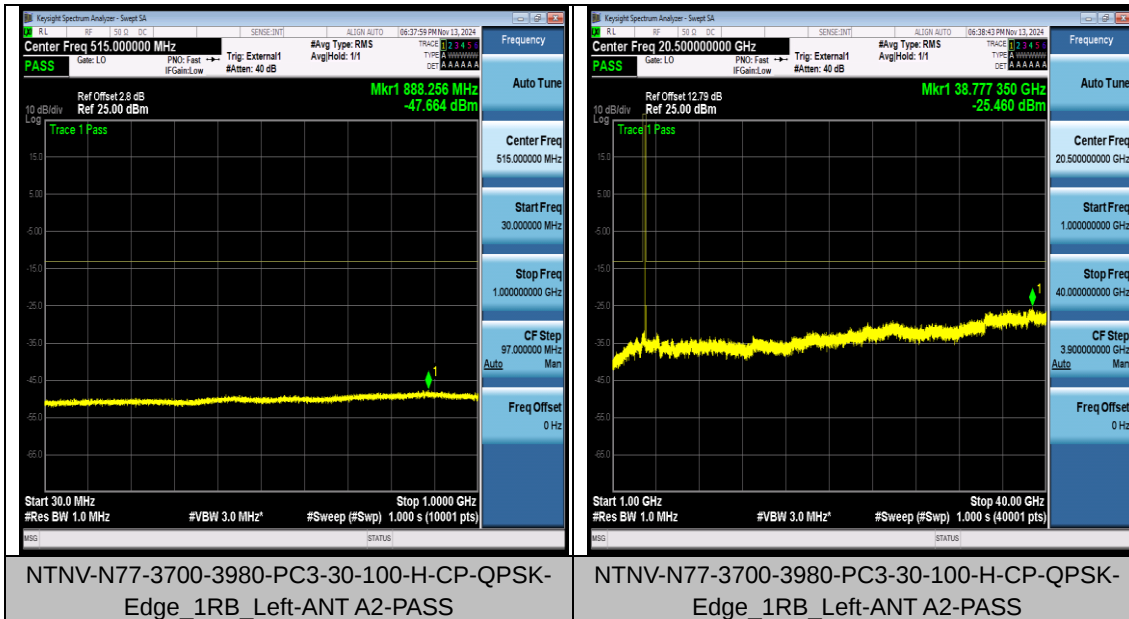
Reference No.: W7L-P24090006RF01



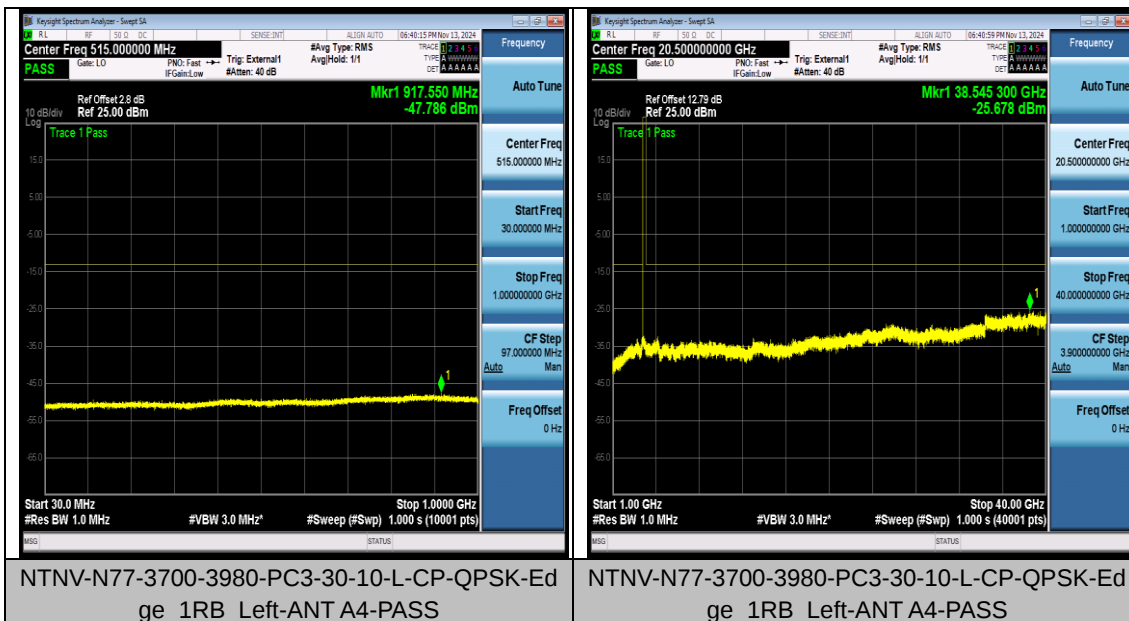


BUREAU
VERITAS

Reference No.: W7L-P24090006RF01



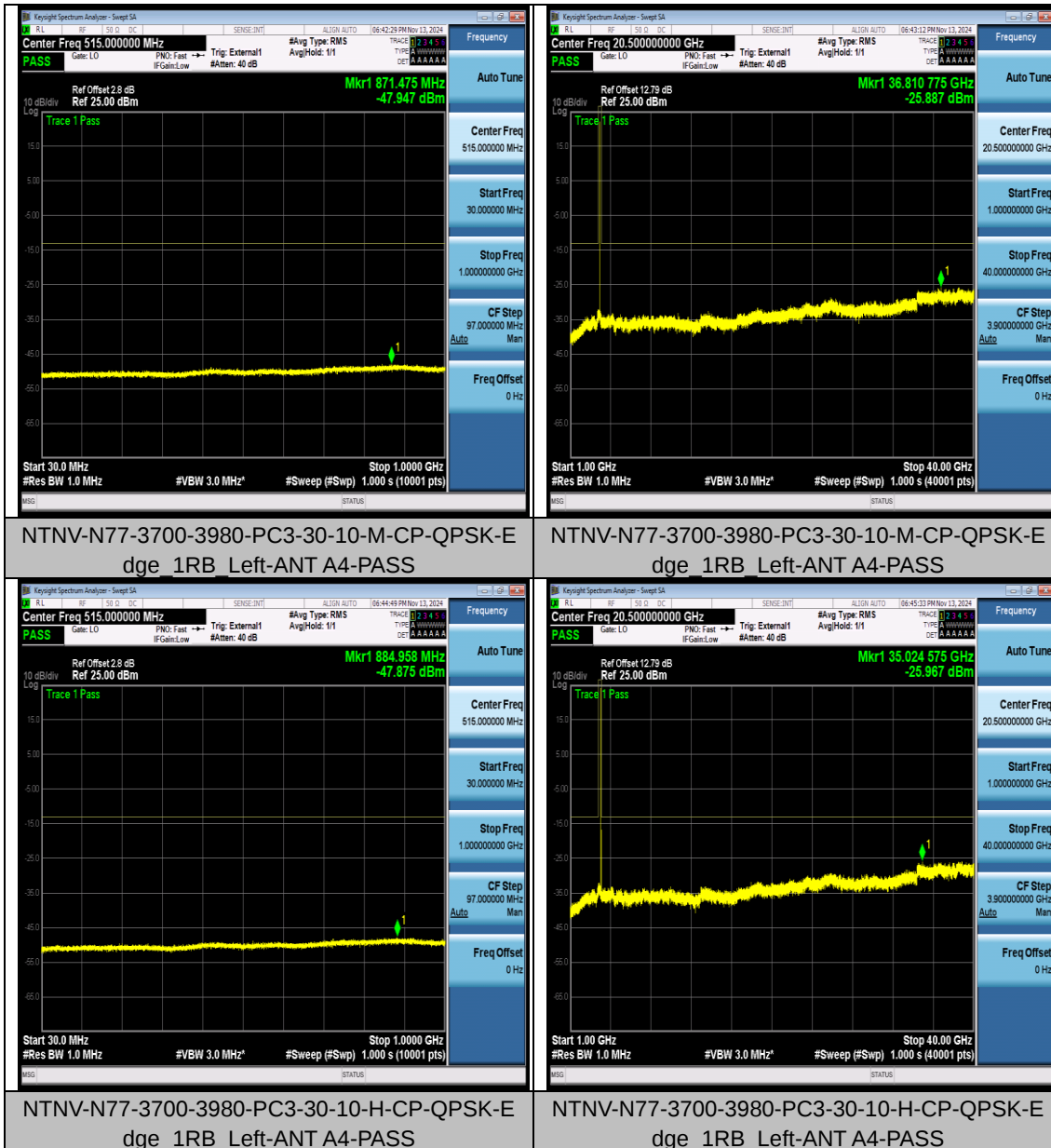
TEST GRAPHS-ANT A4





BUREAU
VERITAS

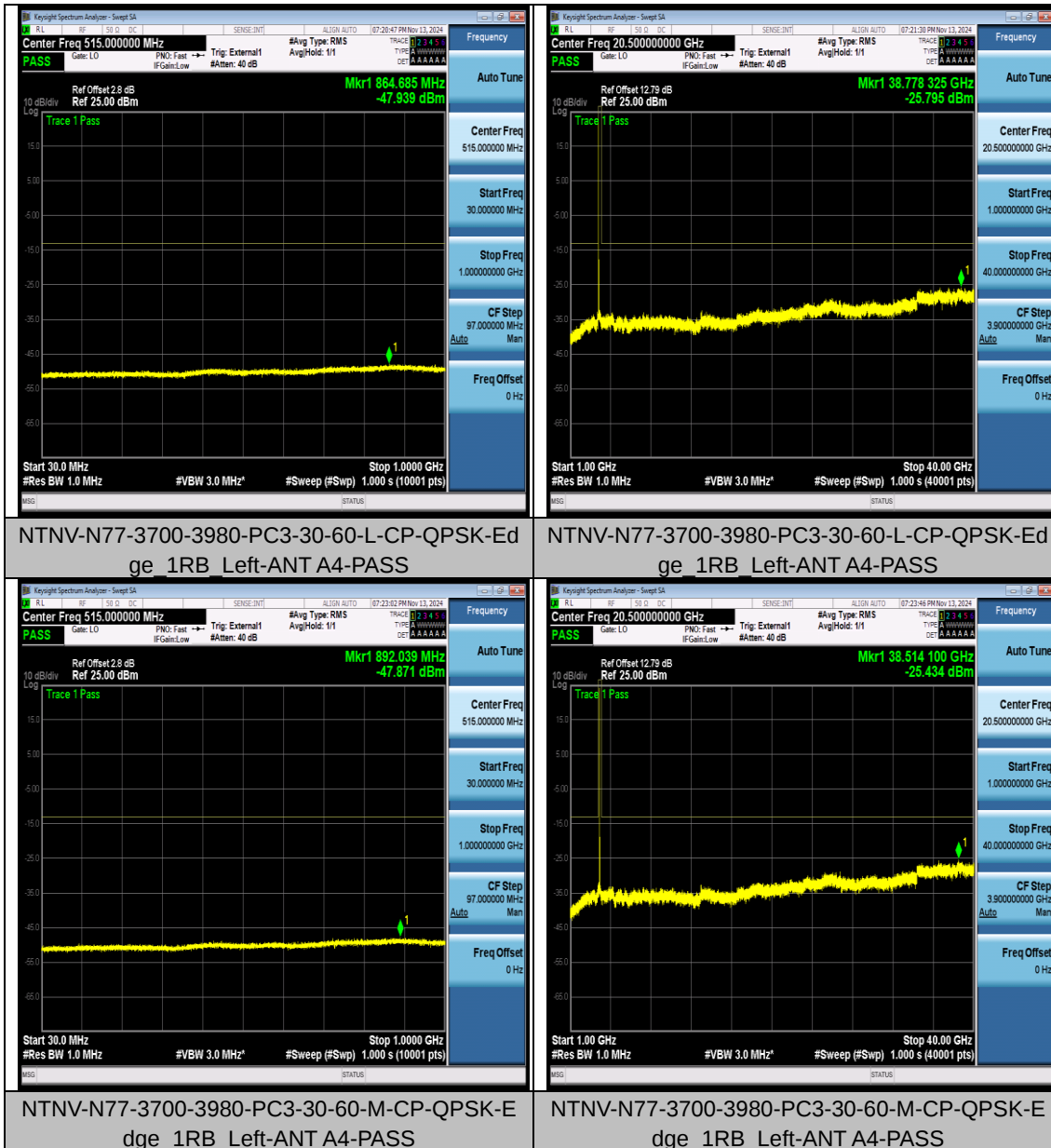
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

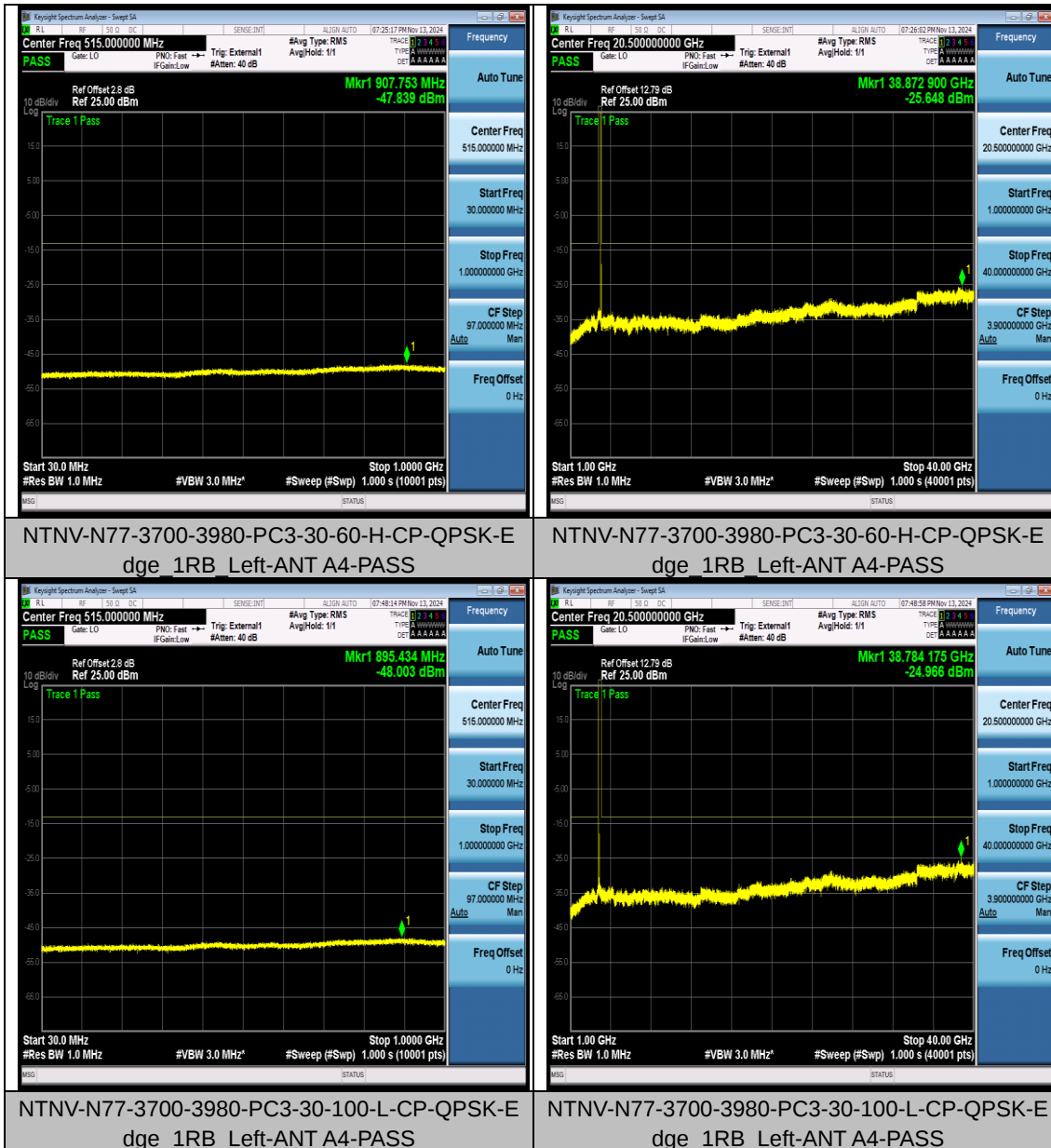
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

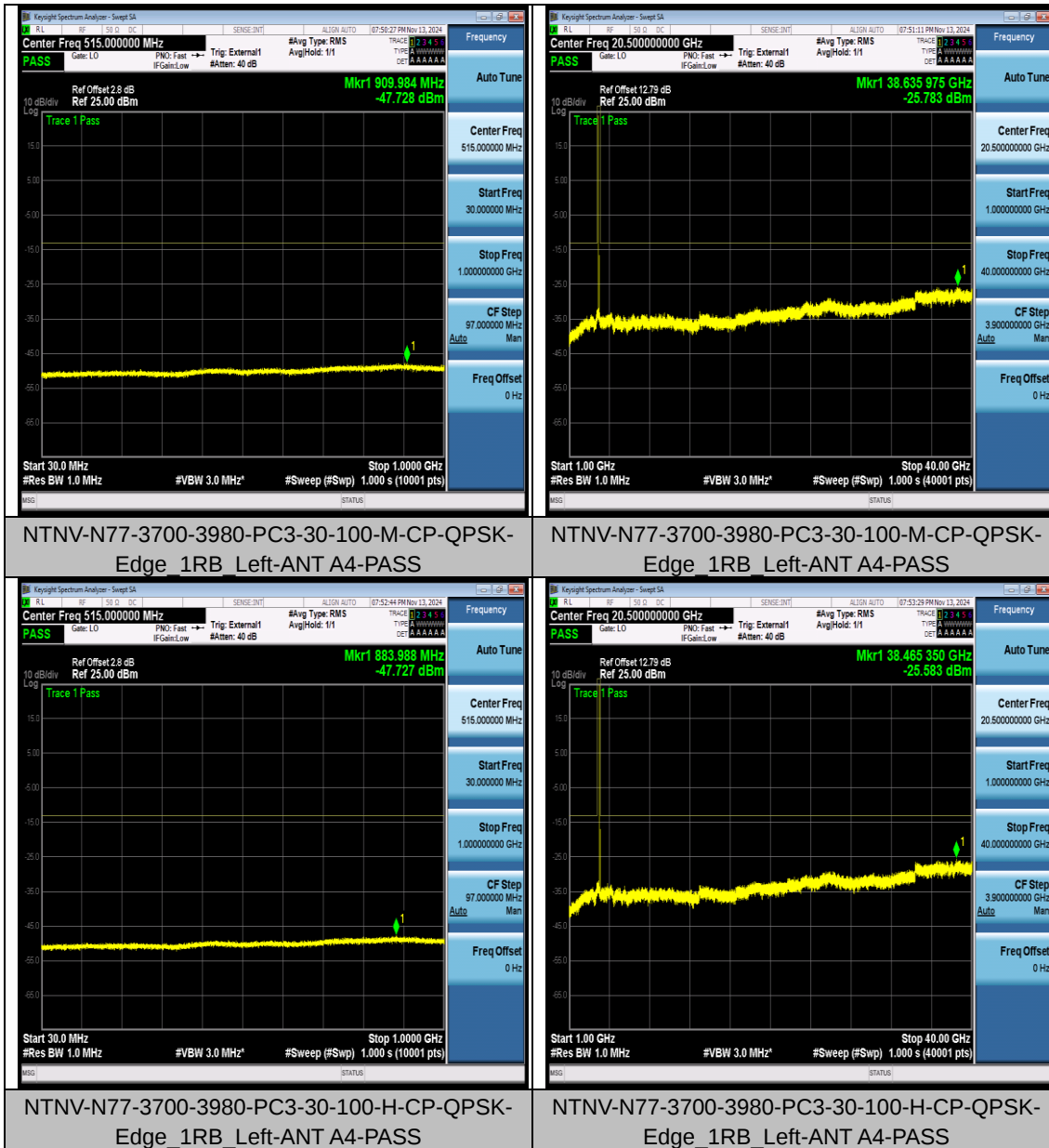
Reference No.: W7L-P24090006RF01





BUREAU
VERITAS

Reference No.: W7L-P24090006RF01



FREQUENCY STABILITY FOR MIMO TEST RESULT-ANT A2

Frequency Error VS. Voltage

Band	SC S	Bandwid th	Modulati on	Chann el	RB Config	Volta ge	Temperat ure	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	VL	NT	-9.833000	-0.0026 50	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	VN	NT	-5.499000	-0.0014 82	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	VH	NT	-6.810000	-0.0018 36	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	-30	-9.578000	-0.0025 82	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	-20	-8.202000	-0.0022 11	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	-10	-5.760000	-0.0015 53	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	0	-7.905000	-0.0021 31	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	10	-8.818000	-0.0023 77	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	20	-9.928000	-0.0026 76	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	30	-8.639000	-0.0023 29	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	40	-8.784000	-0.0023 68	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	50	-8.476000	-0.0022 85	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	VL	NT	-4.467000	-0.0011 63	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	VN	NT	-6.945000	-0.0018 09	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	VH	NT	-0.168000	-0.0000 44	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	-30	-5.660000	-0.0014 74	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	-20	-4.182000	-0.0010 89	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	-10	-4.524000	-0.0011 78	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	0	-7.132000	-0.0018 57	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	10	-3.571000	-0.0009 30	PAS S
N77-3700-3	30	20	CP-QP	M	Outer F	NV	20	-1.311000	-0.0003	PAS



Reference No.: W7L-P24090006RF01

980			SK		ull				41	S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	30	-1.946000	-0.0005 06	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	40	-6.381000	-0.0016 62	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	50	-6.959000	-0.0018 12	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	VL	NT	-5.639000	-0.0014 20	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	VN	NT	-4.707000	-0.0011 86	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	VH	NT	-5.225000	-0.0013 16	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	-30	-5.114000	-0.0012 88	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	-20	-7.241000	-0.0018 24	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	-10	-4.034000	-0.0010 16	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	0	-4.879000	-0.0012 29	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	10	-5.506000	-0.0013 87	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	20	-6.066000	-0.0015 28	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	30	-7.424000	-0.0018 70	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	40	-6.198000	-0.0015 61	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	50	-5.164000	-0.0013 01	PAS S

TEST RESULT-ANT A4

Band	SC S	Bandwid th	Modulati on	Chann el	RB Config	Volta ge	Temperat ure	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	VL	NT	-7.750000	-0.0020 89	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	VN	NT	-8.834000	-0.0023 81	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	VH	NT	-6.835000	-0.0018 42	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	-30	-3.122000	-0.0008 42	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	-20	-3.281000	-0.0008 84	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	-10	-6.891000	-0.0018 57	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	0	-10.00400 0	-0.0026 96	PAS S



**BUREAU
VERITAS**

Reference No.: W7L-P24090006RF01

N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	10	-3.925000	-0.0010 58	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	20	-6.020000	-0.0016 23	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	30	-3.035000	-0.0008 18	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	40	-9.571000	-0.0025 80	PAS S
N77-3700-3 980	30	20	CP-QP SK	L	Outer_F ull	NV	50	-7.663000	-0.0020 65	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	VL	NT	-3.905000	-0.0010 16	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	VN	NT	-1.547000	-0.0004 03	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	VH	NT	-4.644000	-0.0012 09	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	-30	-4.642000	-0.0012 09	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	-20	-1.518000	-0.0003 95	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	-10	-5.542000	-0.0014 43	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	0	2.239000	0.00058 3	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	10	-0.165000	-0.0000 43	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	20	-5.799000	-0.0015 10	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	30	-3.988000	-0.0010 39	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	40	-6.683000	-0.0017 40	PAS S
N77-3700-3 980	30	20	CP-QP SK	M	Outer_F ull	NV	50	-4.539000	-0.0011 82	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	VL	NT	-6.502000	-0.0016 38	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	VN	NT	-3.647000	-0.0009 19	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	VH	NT	-3.701000	-0.0009 32	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	-30	-5.697000	-0.0014 35	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	-20	-5.278000	-0.0013 29	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	-10	-4.680000	-0.0011 79	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	0	-3.769000	-0.0009 49	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	10	-6.824000	-0.0017 19	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	20	-4.902000	-0.0012 35	PAS S



BUREAU
VERITAS

Reference No.: W7L-P24090006RF01

N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	30	-5.929000	-0.0014 93	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	40	-6.893000	-0.0017 36	PAS S
N77-3700-3 980	30	20	CP-QP SK	H	Outer_F ull	NV	50	-3.782000	-0.0009 53	PAS S

--END--