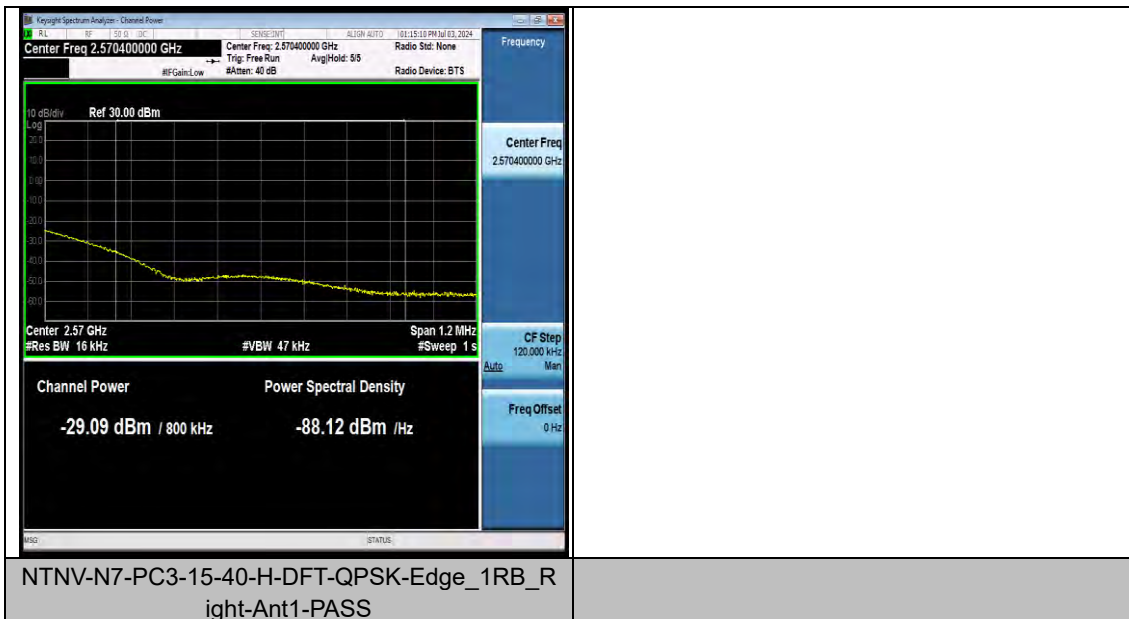




BUREAU
VERITAS

Reference No.: W7L-P24090003RF08



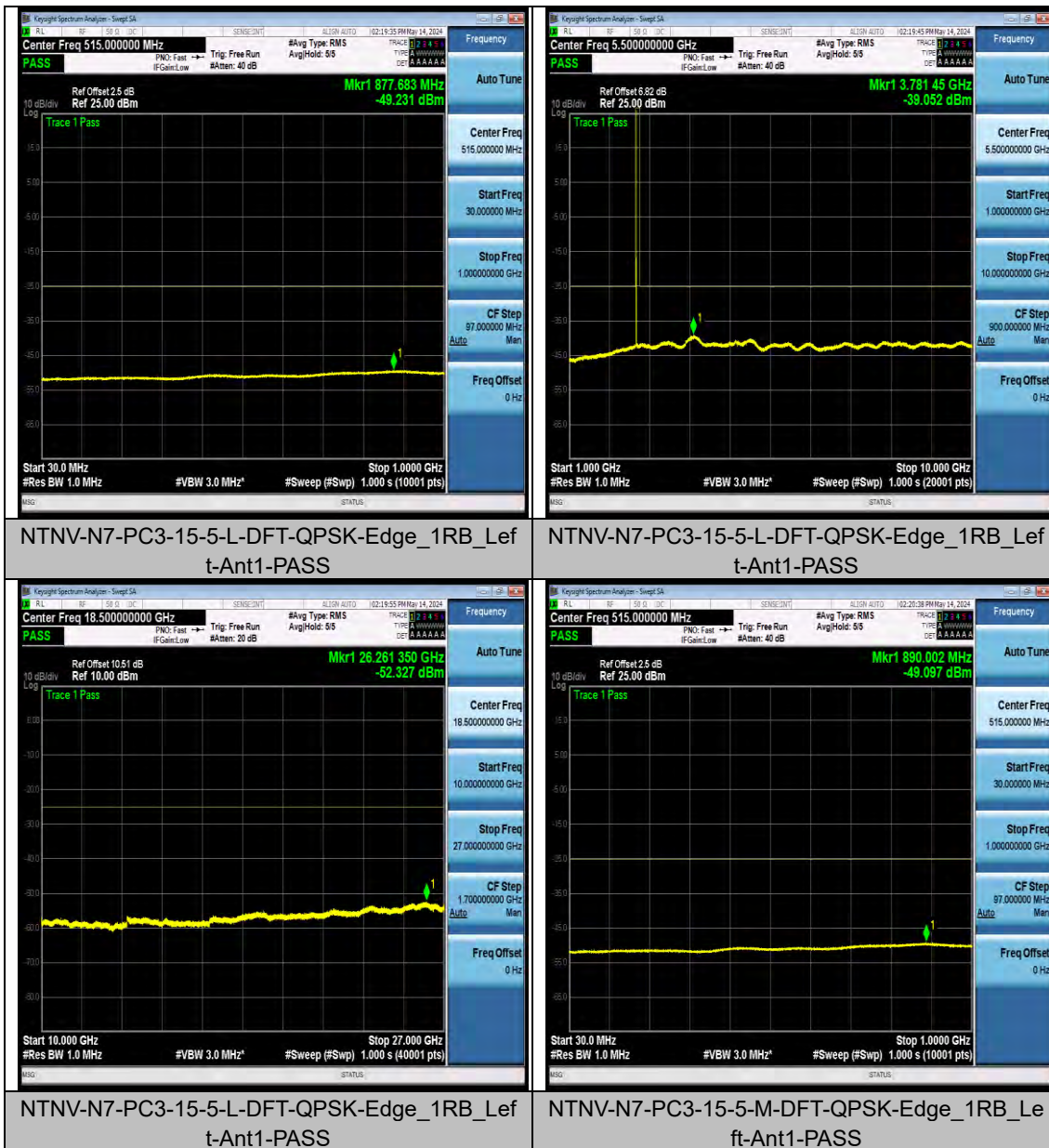


Reference No.: W7L-P24090003RF08

CONDUCTED SPURIOUS EMISSION FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N7	15	5	DFT-QPSK	L	Edge 1RB Left	30	1000	-49.23	-25	PASS
N7	15	5	DFT-QPSK	L	Edge 1RB Left	1000	10000	-39.05	-25	PASS
N7	15	5	DFT-QPSK	L	Edge 1RB Left	10000	27000	-52.33	-25	PASS
N7	15	5	DFT-QPSK	M	Edge 1RB Left	30	1000	-49.10	-25	PASS
N7	15	5	DFT-QPSK	M	Edge 1RB Left	1000	10000	-39.20	-25	PASS
N7	15	5	DFT-QPSK	M	Edge 1RB Left	10000	27000	-52.16	-25	PASS
N7	15	5	DFT-QPSK	H	Edge 1RB Left	30	1000	-49.03	-25	PASS
N7	15	5	DFT-QPSK	H	Edge 1RB Left	1000	10000	-39.12	-25	PASS
N7	15	5	DFT-QPSK	H	Edge 1RB Left	10000	27000	-52.40	-25	PASS
N7	15	25	DFT-QPSK	L	Edge 1RB Left	30	1000	-48.68	-25	PASS
N7	15	25	DFT-QPSK	L	Edge 1RB Left	1000	10000	-38.84	-25	PASS
N7	15	25	DFT-QPSK	L	Edge 1RB Left	10000	27000	-52.28	-25	PASS
N7	15	25	DFT-QPSK	M	Edge 1RB Left	30	1000	-48.74	-25	PASS
N7	15	25	DFT-QPSK	M	Edge 1RB Left	1000	10000	-38.98	-25	PASS
N7	15	25	DFT-QPSK	M	Edge 1RB Left	10000	27000	-52.32	-25	PASS
N7	15	25	DFT-QPSK	H	Edge 1RB Left	30	1000	-48.69	-25	PASS
N7	15	25	DFT-QPSK	H	Edge 1RB Left	1000	10000	-39.02	-25	PASS
N7	15	25	DFT-QPSK	H	Edge 1RB Left	10000	27000	-52.15	-25	PASS
N7	15	40	DFT-QPSK	L	Edge 1RB Left	30	1000	-48.98	-25	PASS
N7	15	40	DFT-QPSK	L	Edge 1RB Left	1000	10000	-38.96	-25	PASS
N7	15	40	DFT-QPSK	L	Edge 1RB Left	10000	27000	-52.18	-25	PASS
N7	15	40	DFT-QPSK	M	Edge 1RB Left	30	1000	-48.96	-25	PASS
N7	15	40	DFT-QPSK	M	Edge 1RB Left	1000	10000	-38.99	-25	PASS
N7	15	40	DFT-QPSK	M	Edge 1RB Left	10000	27000	-52.29	-25	PASS
N7	15	40	DFT-QPSK	H	Edge 1RB Left	30	1000	-48.94	-25	PASS
N7	15	40	DFT-QPSK	H	Edge 1RB Left	1000	10000	-38.87	-25	PASS
N7	15	40	DFT-QPSK	H	Edge 1RB Left	10000	27000	-52.29	-25	PASS

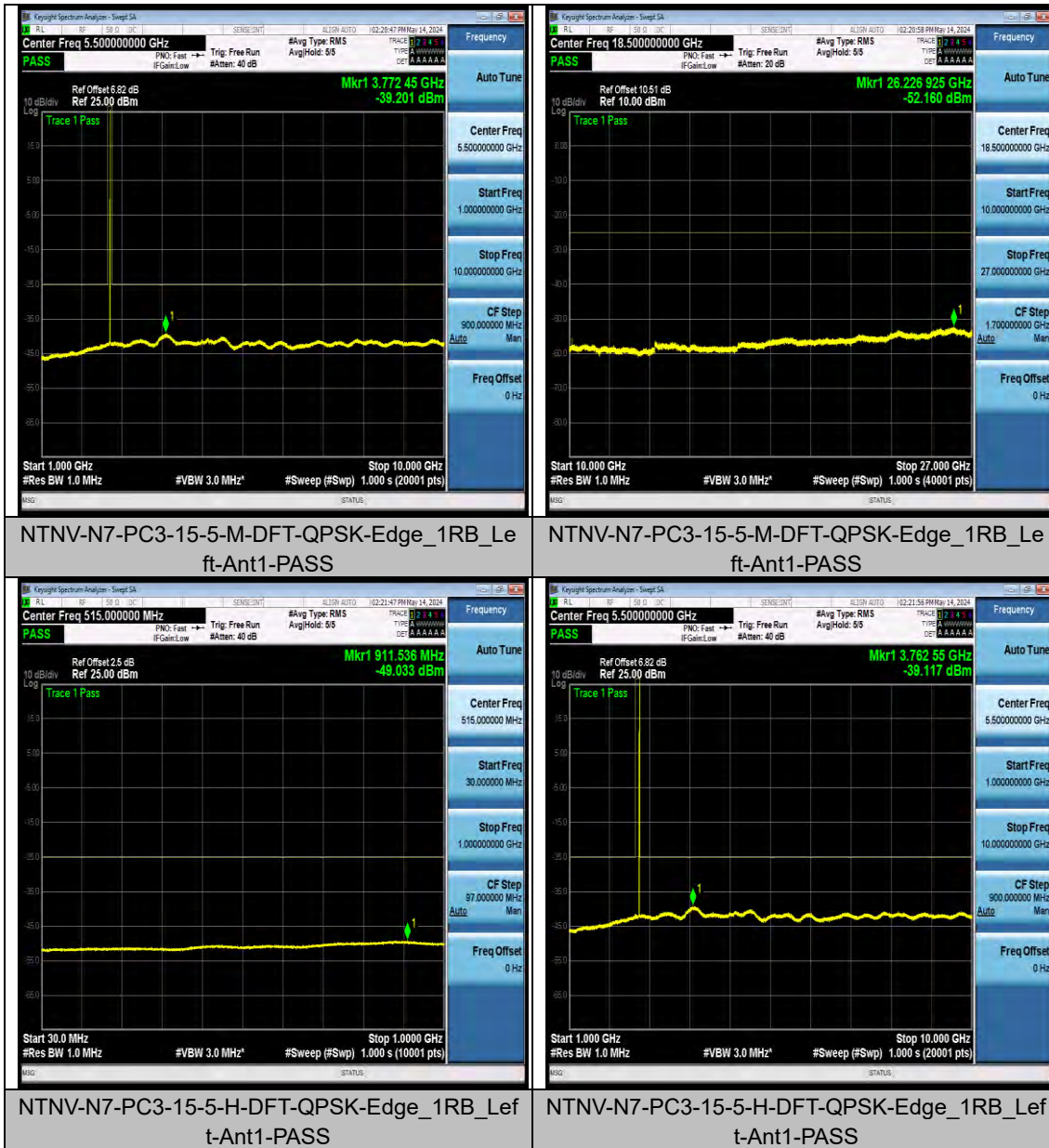
TEST GRAPHS





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VERITAS

Reference No.: W7L-P24090003RF08



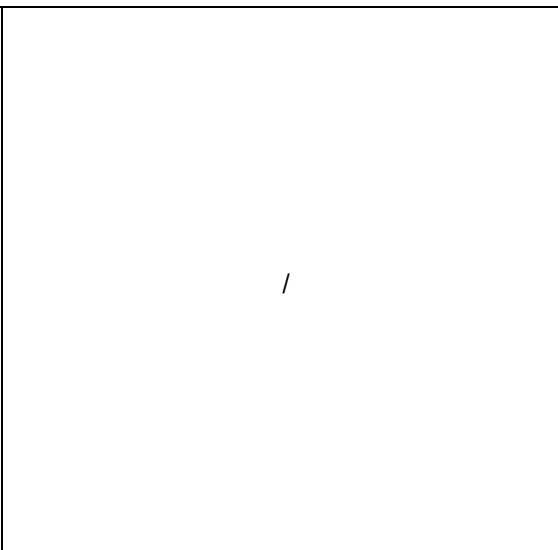


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VERITAS

Reference No.: W7L-P24090003RF08



NTNV-N7-PC3-15-5-H-DFT-QPSK-Edge_1RB_Lef
t-Ant1-PASS



NTNV-N7-PC3-15-25-L-DFT-QPSK-Edge_1RB_L
eft-Ant1-PASS

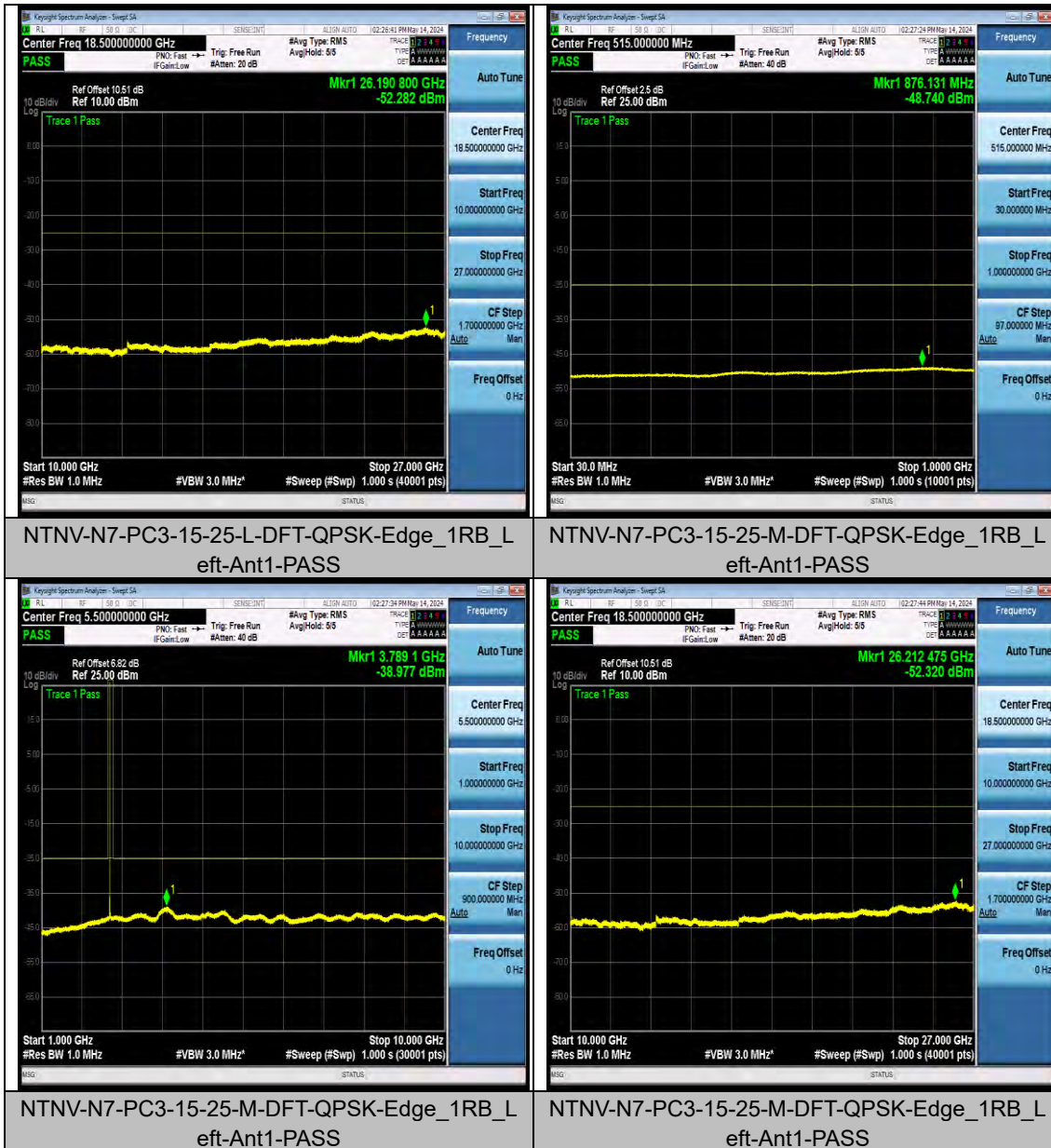


NTNV-N7-PC3-15-25-L-DFT-QPSK-Edge_1RB_L
eft-Ant1-PASS



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VERITAS

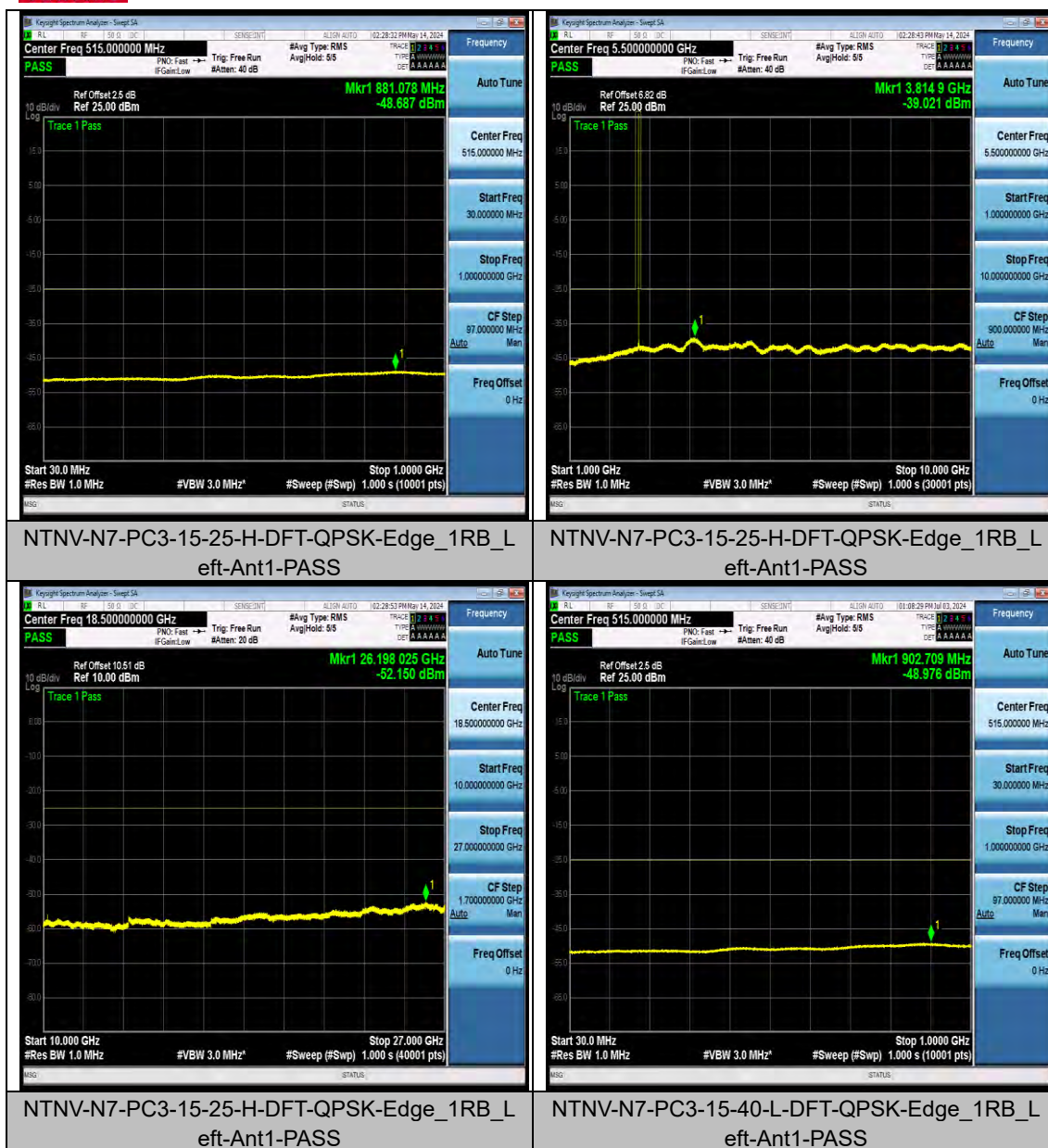
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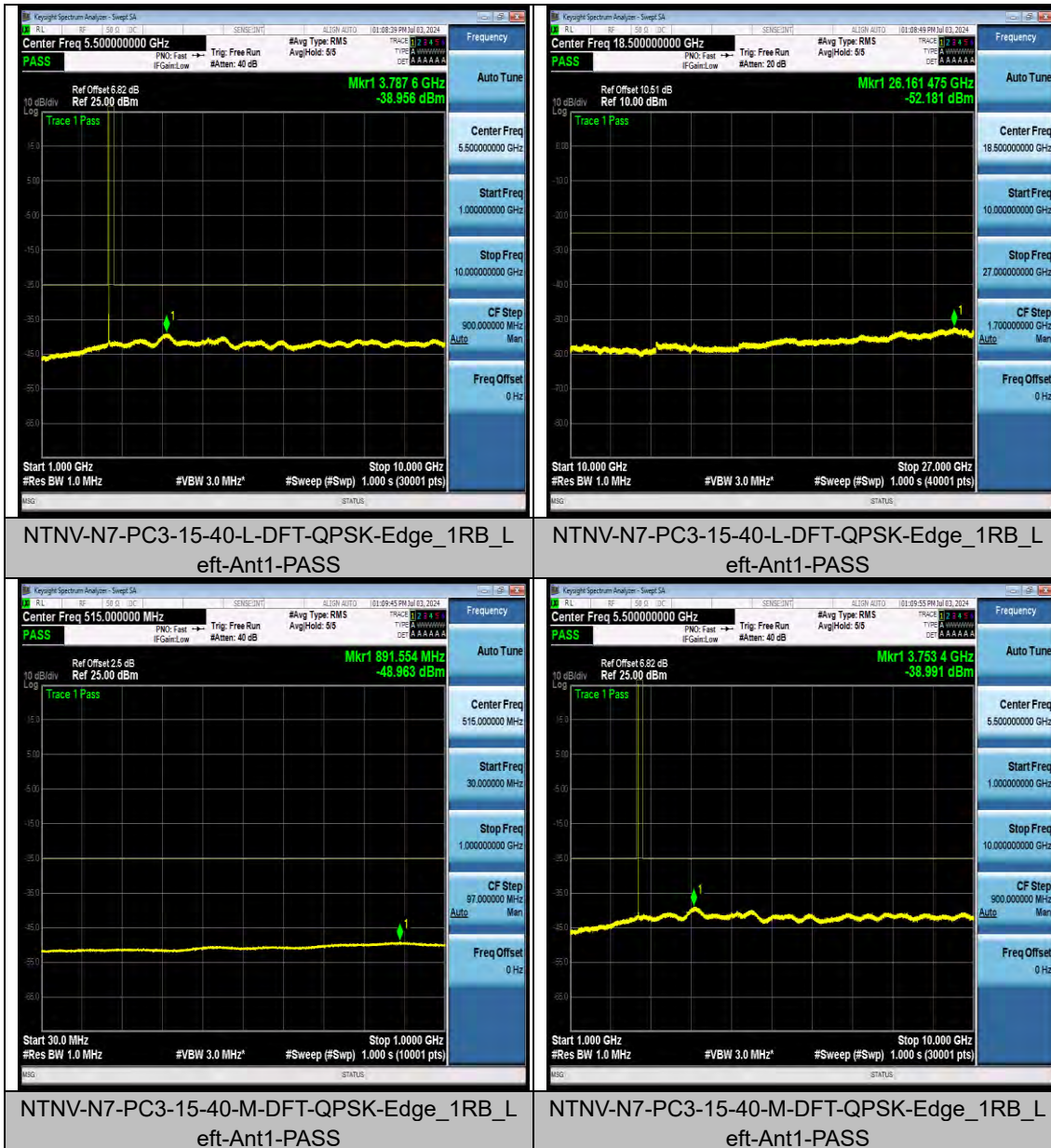
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VERITAS

Reference No.: W7L-P24090003RF08





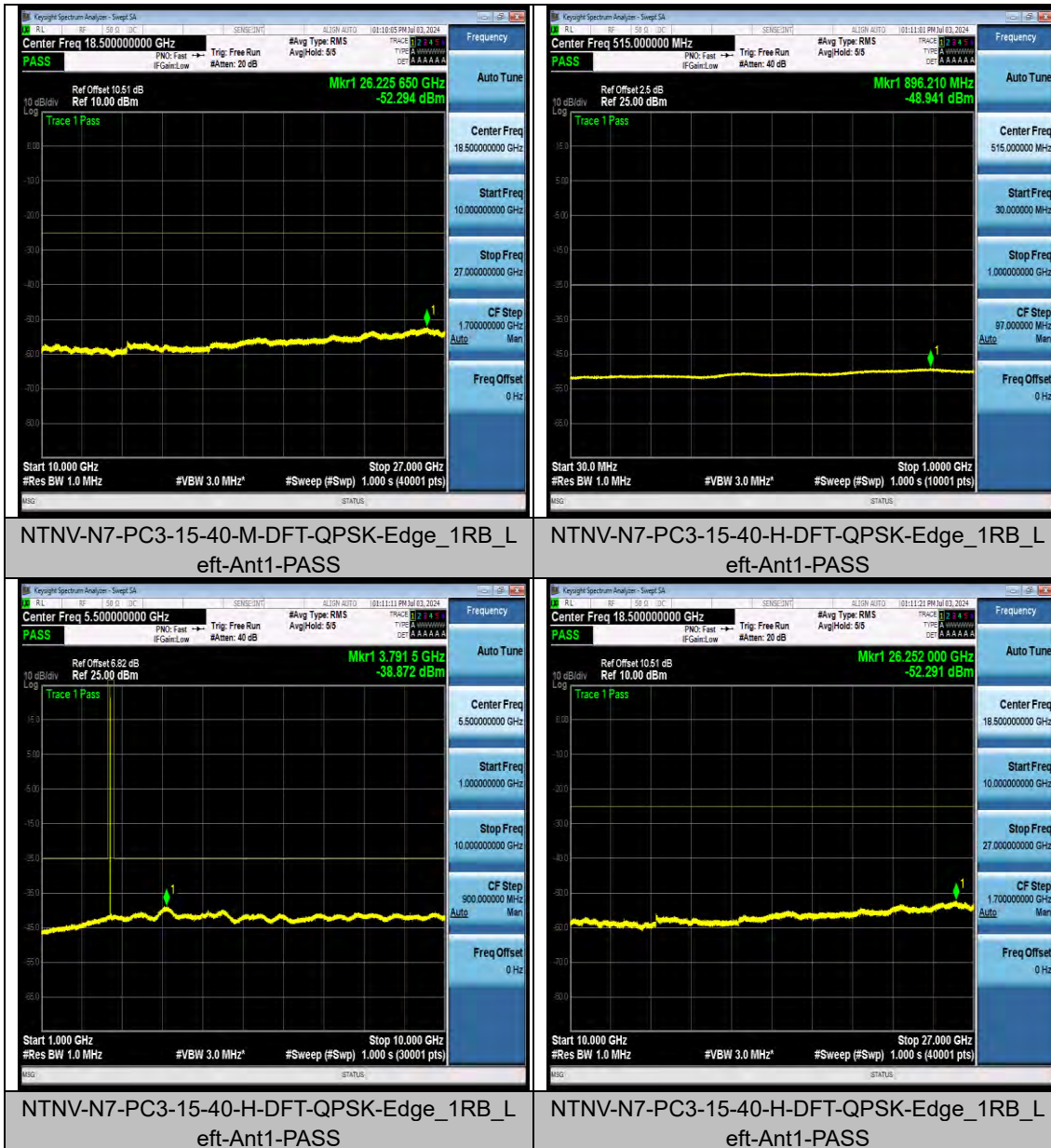
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VERITAS

Reference No.: W7L-P24090003RF08



FREQUENCY STABILITY FOR SA TEST RESULT

Frequency Error VS. Voltage

Voltage													
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limited (MHz)	Verdict
N7	15	20	DFT-QPSK	L	Outer_Fu II	VL	NT	3.00	0.001195	2510.1815	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	VN	NT	2.00	0.000797	2510.3982	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	VH	NT	12.00	0.004781	2510.6092	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	-30	4.00	0.001594	2510.4627	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	-20	14.00	0.005578	2510.4734	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	-10	3.00	0.001195	2510.2372	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	0	13.00	0.005179	2510.1637	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	10	5.00	0.001991	2510.4429	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	20	4.00	0.001594	2510.2856	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	30	15.00	0.005976	2510.4163	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	40	15.00	0.005976	2510.5721	---	2500-2570	PASS
N7	15	20	DFT-QPSK	L	Outer_Fu II	NV	50	7.00	0.002789	2510.2652	---	2500-2570	PASS
N7	15	20	DFT-QPSK	H	Outer_Fu II	VL	NT	11.00	0.004297	---	2559.7204	2500-2570	PASS
N7	15	20	DFT-QPSK	H	Outer_Fu II	VN	NT	16.00	0.006250	---	2559.6539	2500-2570	PASS
N7	15	20	DFT-QPSK	H	Outer_Fu II	VH	NT	7.00	0.002734	---	2559.6538	2500-2570	PASS
N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	-30	18.00	0.007031	---	2559.7023	2500-2570	PASS
N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	-20	6.00	0.002344	---	2559.7040	2500-2570	PASS
N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	-10	17.00	0.006641	---	2559.7007	2500-2570	PASS
N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	0	1.00	0.000391	---	2559.6863	2500-2570	PASS
N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	10	12.00	0.004688	---	2559.6546	2500-2570	PASS



BUREAU
VERITAS

Reference No.: W7L-P24090003RF08

N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	20	19.00	0.00742 2	---	2559. 6608	2500-2 570	PAS S
N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	30	17.00	0.00664 1	---	2559. 6671	2500-2 570	PAS S
N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	40	2.00	0.00078 1	---	2559. 7358	2500-2 570	PAS S
N7	15	20	DFT-QPSK	H	Outer_Fu II	NV	50	12.00	0.00468 8	---	2559. 6883	2500-2 570	PAS S



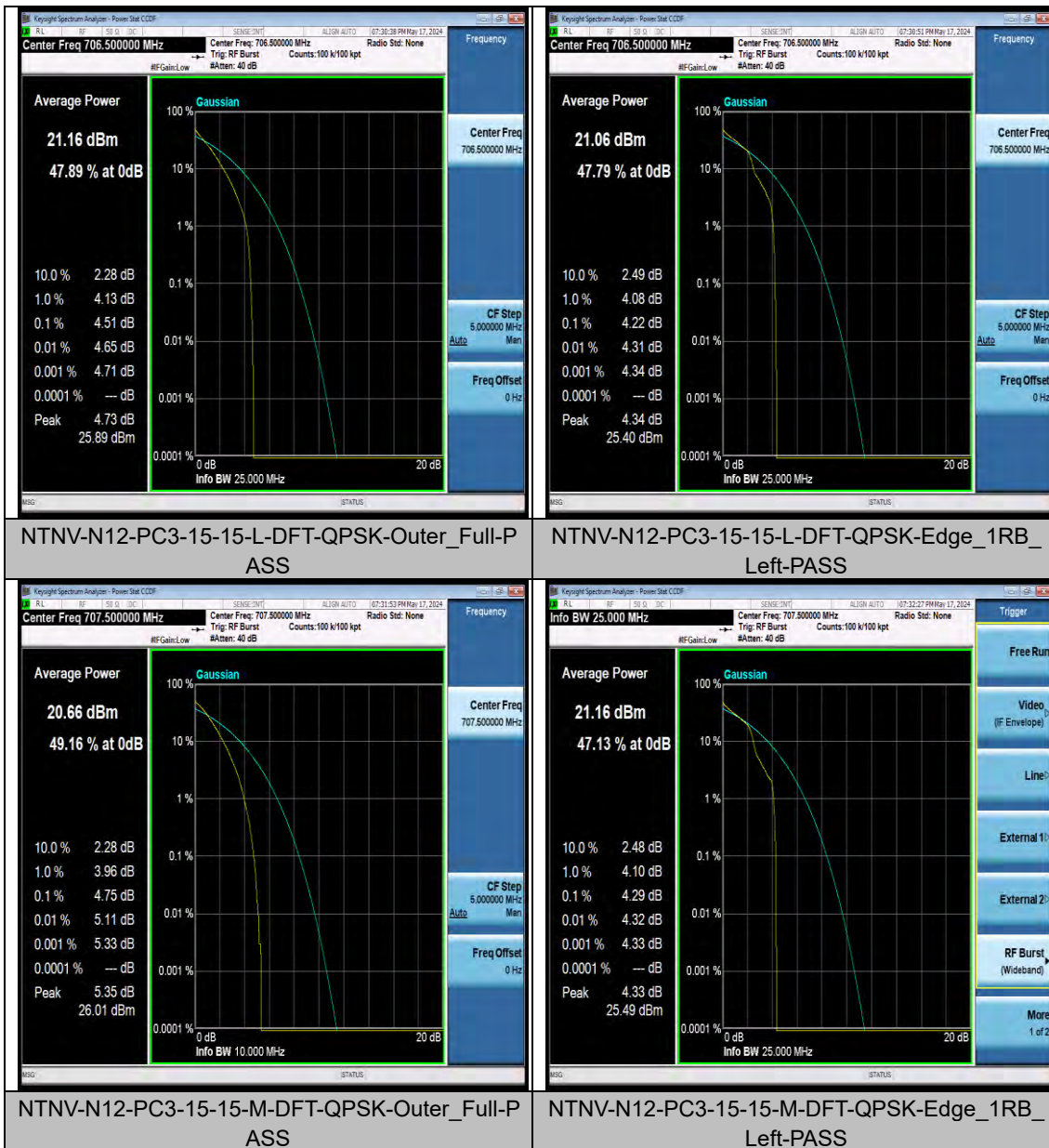
Reference No.: W7L-P24090003RF08

N12 PEAK-TO-AVERAGE RATIO(CCDF)

TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N12	15	15	DFT-QPSK	L	Outer_Full	4.51	≤13	PASS
N12	15	15	DFT-QPSK	L	Edge_1RB_Left	4.22	≤13	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	4.75	≤13	PASS
N12	15	15	DFT-QPSK	M	Edge_1RB_Left	4.29	≤13	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	4.49	≤13	PASS
N12	15	15	DFT-QPSK	H	Edge_1RB_Left	4.33	≤13	PASS

TEST GRAPHS





BUREAU
VERITAS

Reference No.: W7L-P24090003RF08





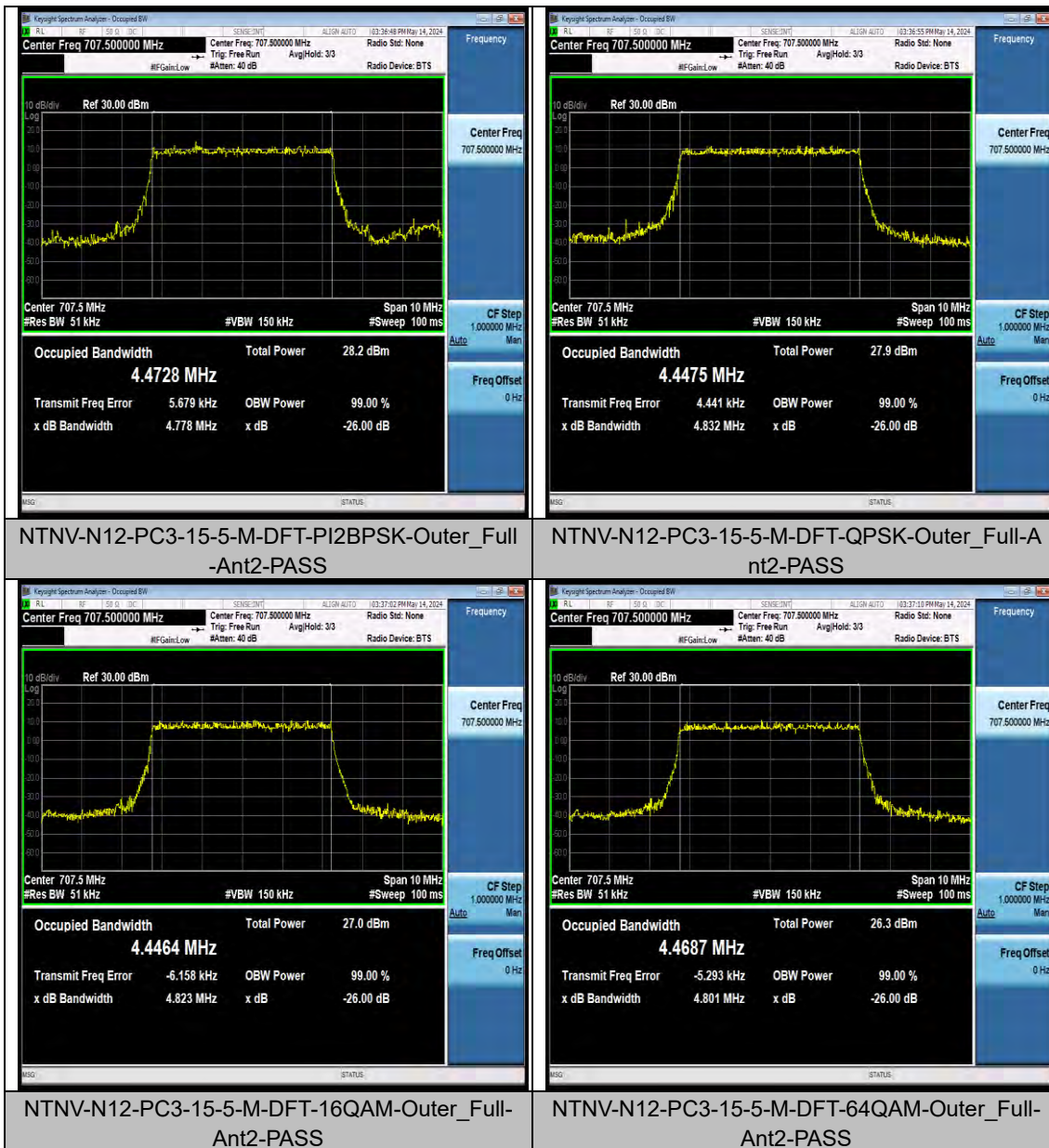
Reference No.: W7L-P24090003RF08

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N12	15	5	DFT-PI2BPSK	M	Outer_Full	4.4728	4.778	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	4.4475	4.832	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	4.4464	4.823	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	4.4687	4.801	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	4.4603	4.821	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	8.8969	9.402	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	8.9048	9.456	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	8.9271	9.435	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	8.9107	9.474	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	8.8973	9.399	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	13.391	14.09	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	13.380	14.08	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	13.394	14.06	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	13.388	14.05	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	13.387	14.10	PASS

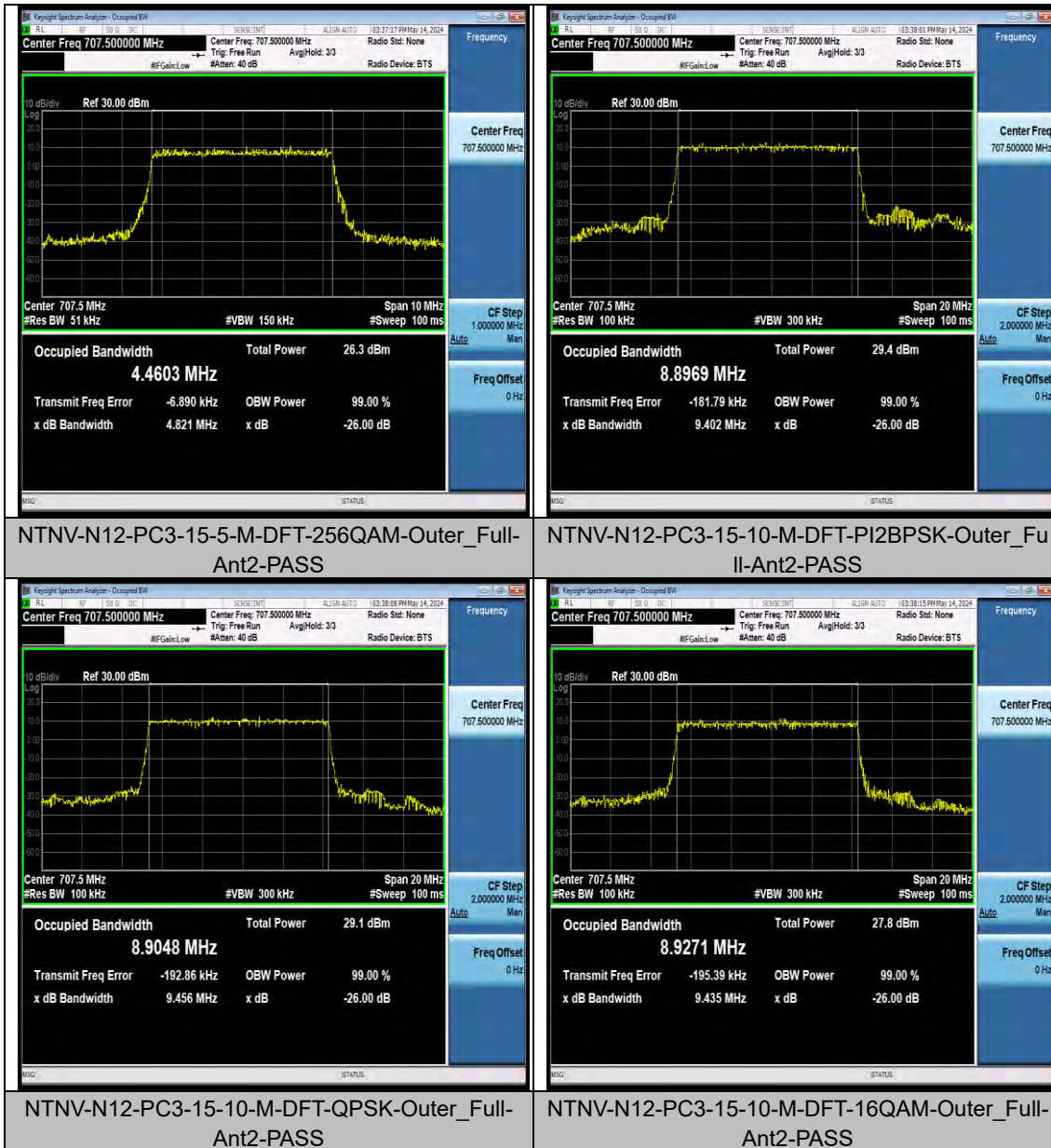
TEST GRAPHS





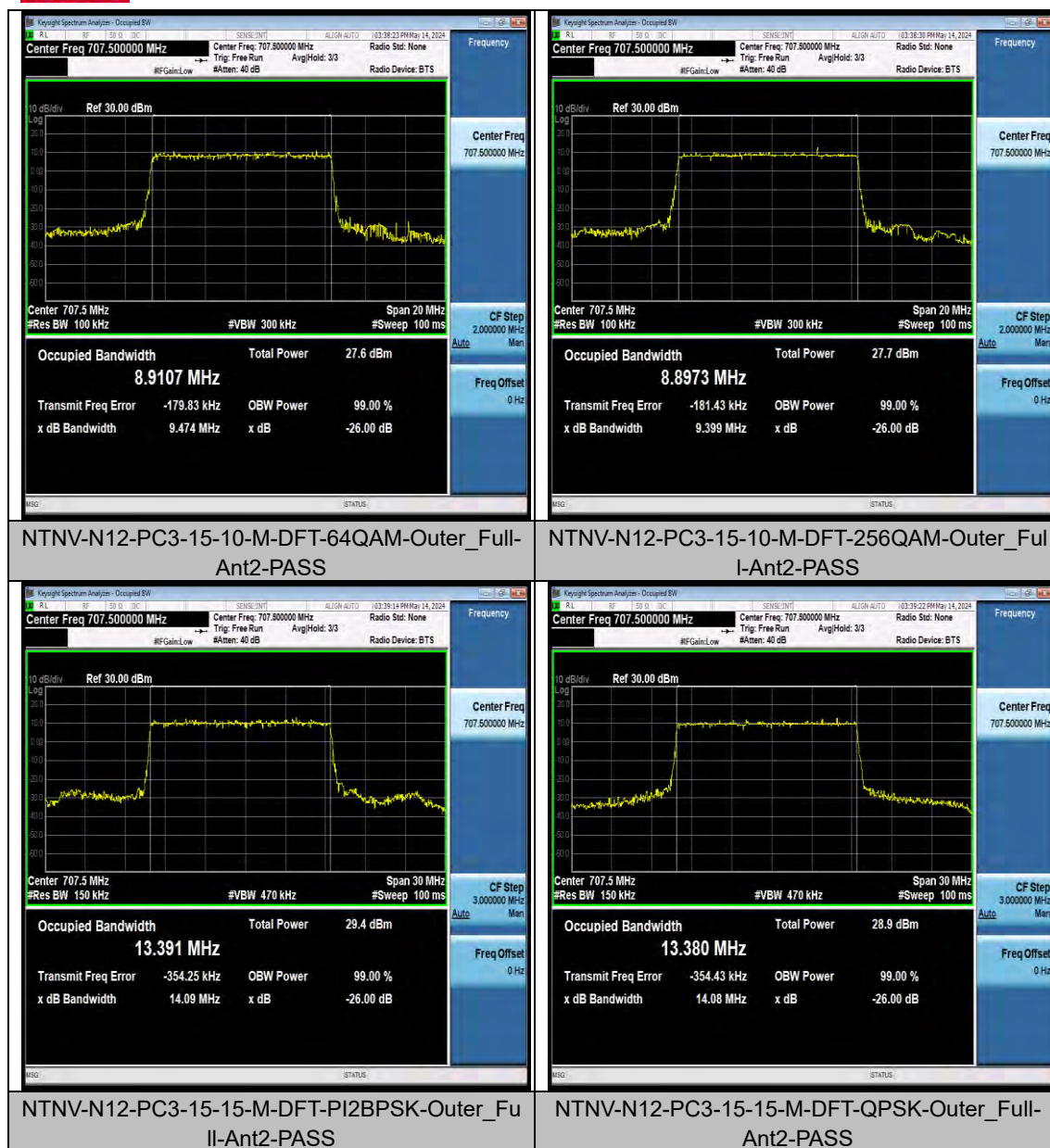
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VERITAS

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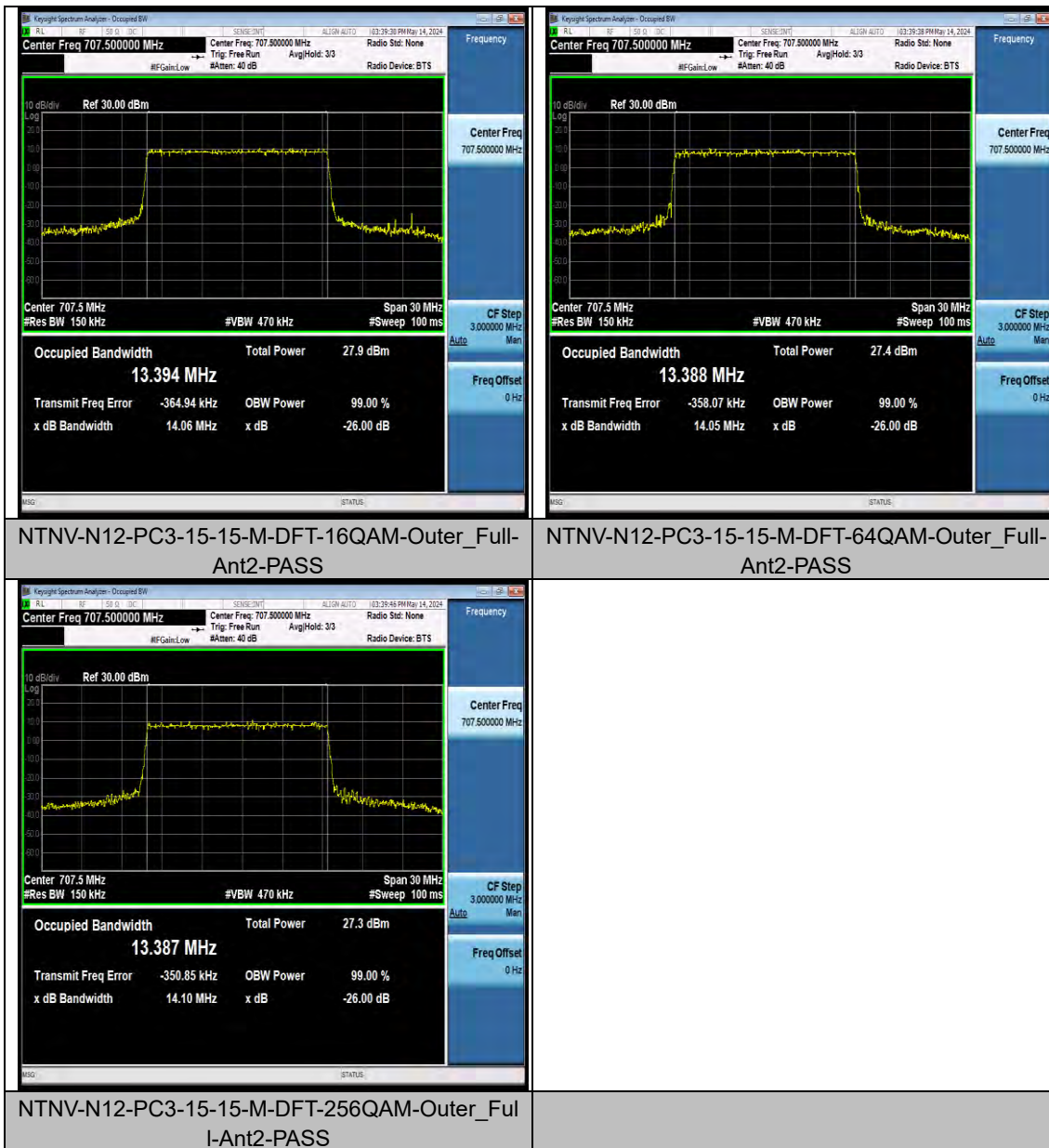
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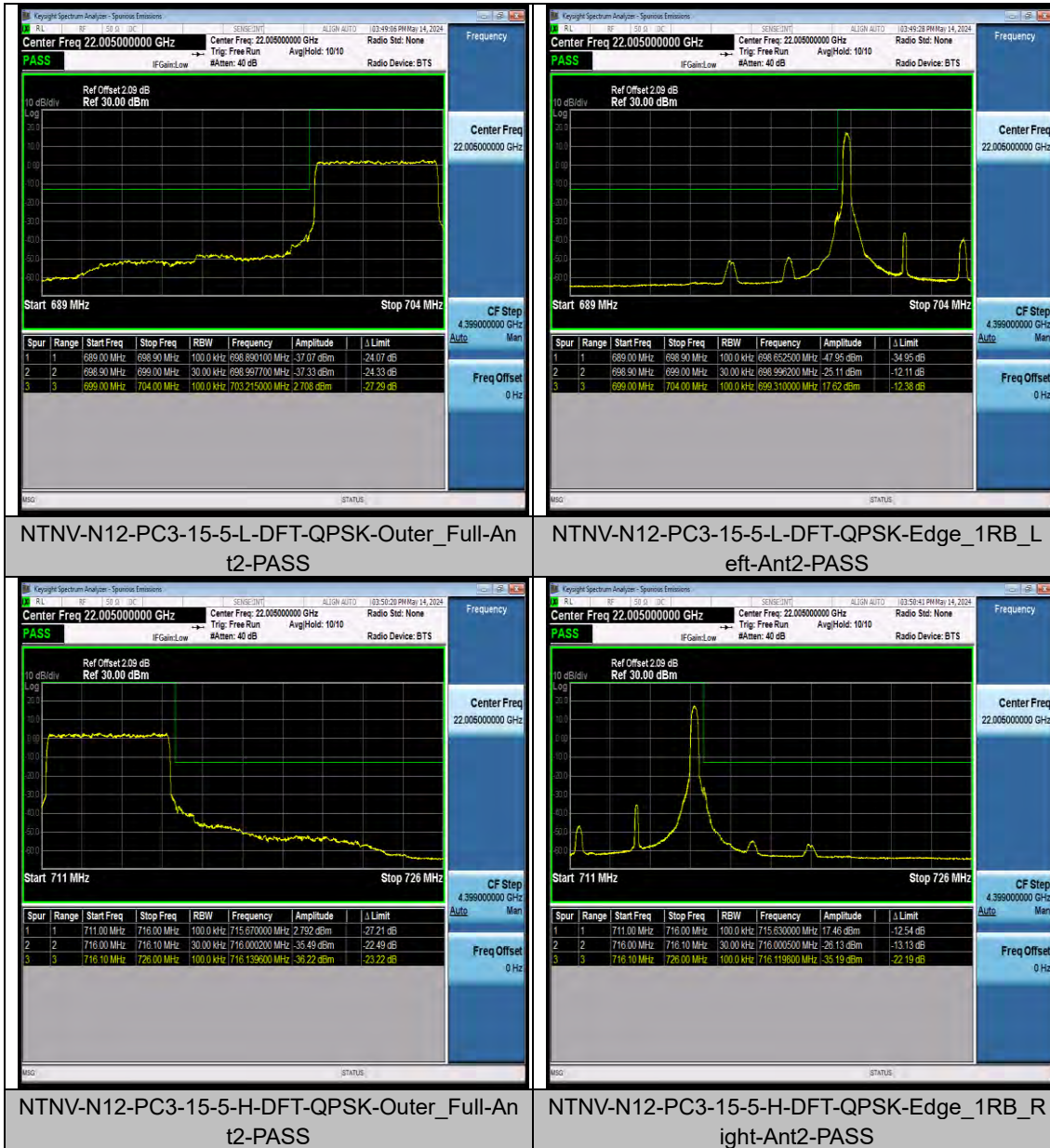
Reference No.: W7L-P24090003RF08



BAND EDGE FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N12	15	5	DFT-QPSK	L	Outer_Full	-37.07	PASS
N12	15	5	DFT-QPSK	L	Edge_1RB_Left	-25.11	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	-35.49	PASS
N12	15	5	DFT-QPSK	H	Edge_1RB_Right	-26.13	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	-39.15	PASS
N12	15	10	DFT-QPSK	L	Edge_1RB_Left	-26.70	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	-41.10	PASS
N12	15	10	DFT-QPSK	H	Edge_1RB_Right	-27.99	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	-37.18	PASS
N12	15	15	DFT-QPSK	L	Edge_1RB_Left	-30.13	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	-41.42	PASS
N12	15	15	DFT-QPSK	H	Edge_1RB_Right	-31.30	PASS

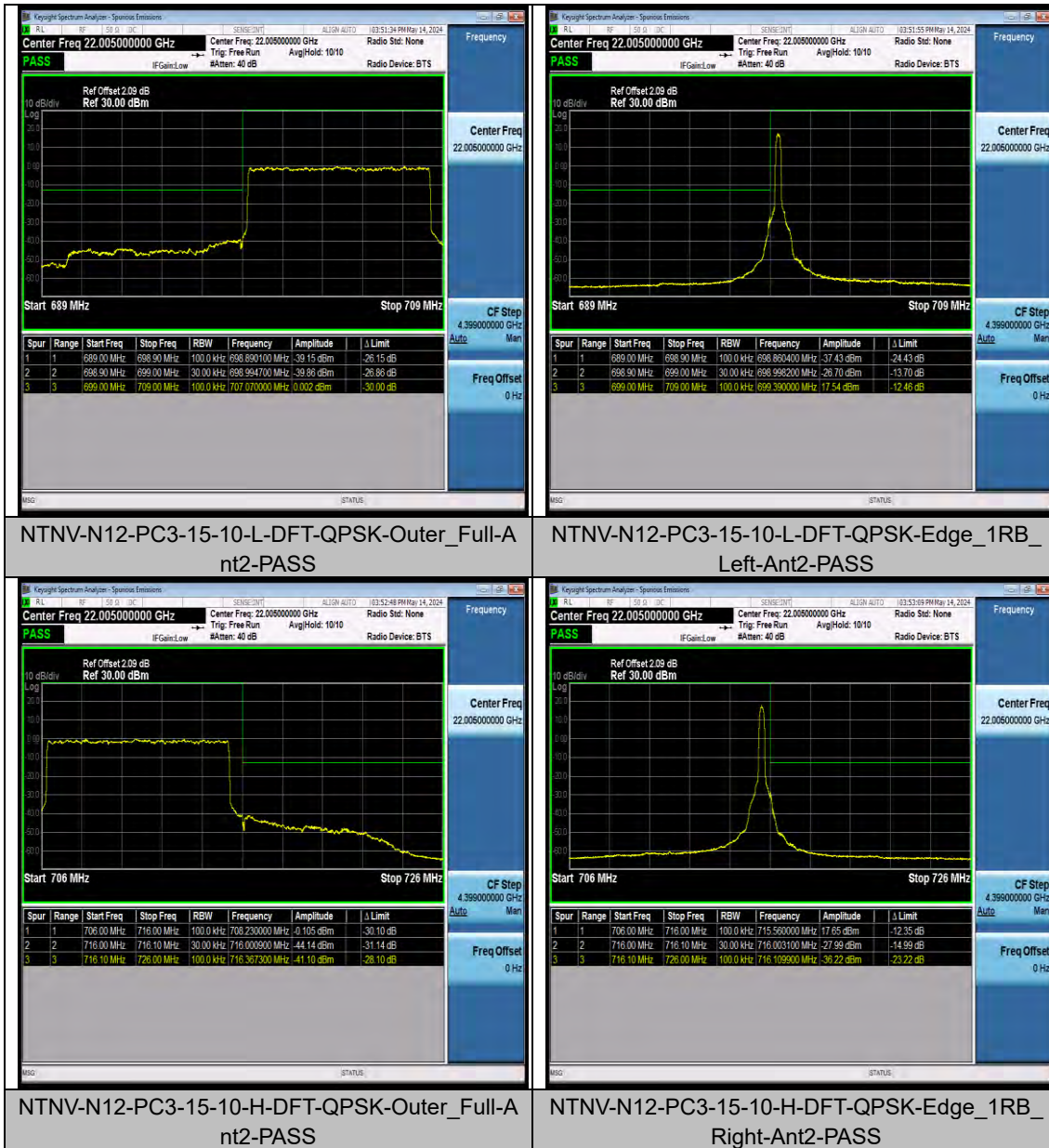
TEST GRAPHS





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VERITAS

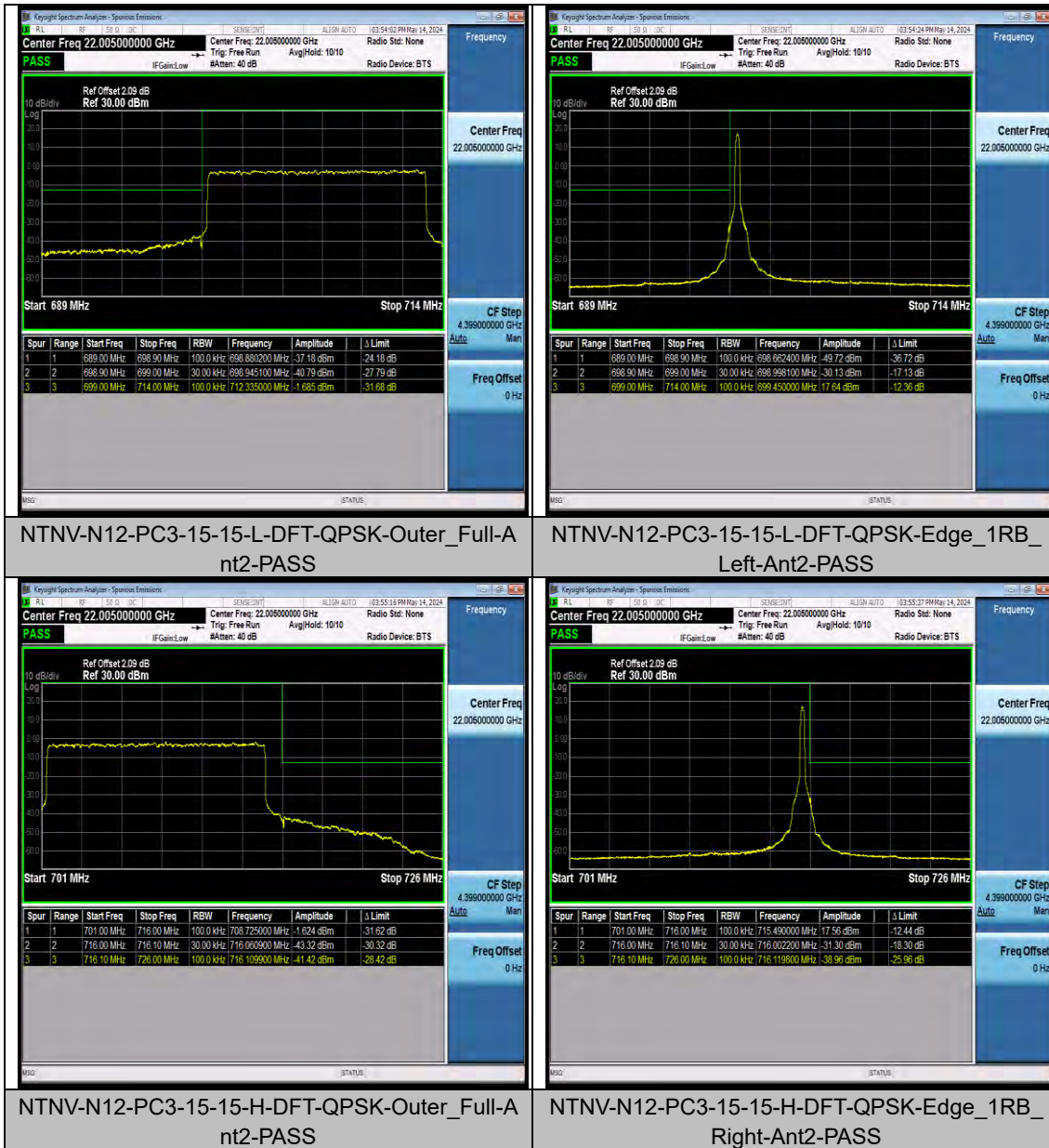
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VERITAS

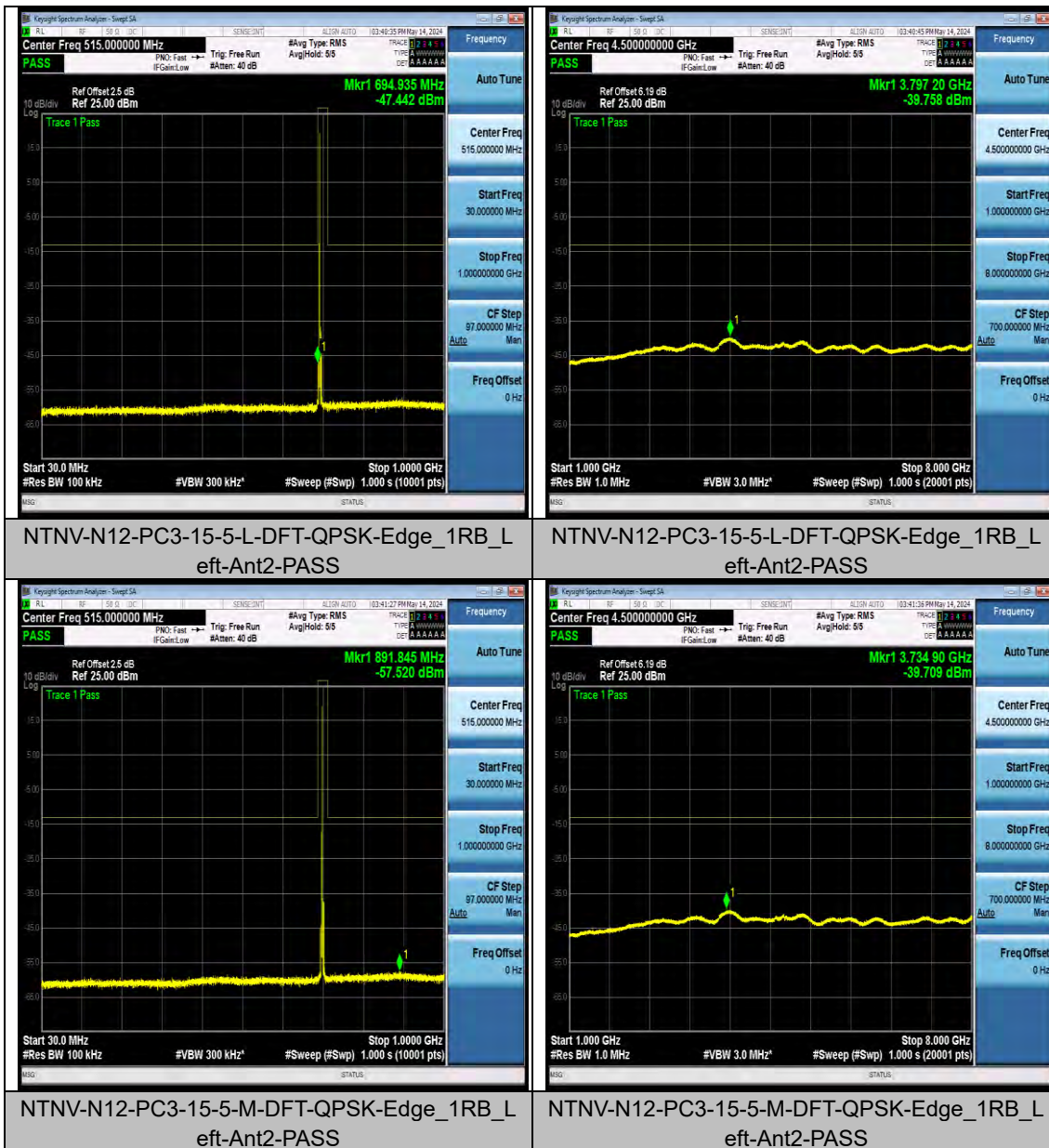
Reference No.: W7L-P24090003RF08



CONDUCTED SPURIOUS EMISSION FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N12	15	5	DFT-QPSK	L	Edge 1RB Left	30	1000	-47.44	-13	PASS
N12	15	5	DFT-QPSK	L	Edge 1RB Left	1000	8000	-39.76	-13	PASS
N12	15	5	DFT-QPSK	M	Edge 1RB Left	30	1000	-57.52	-13	PASS
N12	15	5	DFT-QPSK	M	Edge 1RB Left	1000	8000	-39.71	-13	PASS
N12	15	5	DFT-QPSK	H	Edge 1RB Left	30	1000	-57.73	-13	PASS
N12	15	5	DFT-QPSK	H	Edge 1RB Left	1000	8000	-39.78	-13	PASS
N12	15	10	DFT-QPSK	L	Edge 1RB Left	30	1000	-57.53	-13	PASS
N12	15	10	DFT-QPSK	L	Edge 1RB Left	1000	8000	-39.51	-13	PASS
N12	15	10	DFT-QPSK	M	Edge 1RB Left	30	1000	-57.56	-13	PASS
N12	15	10	DFT-QPSK	M	Edge 1RB Left	1000	8000	-39.91	-13	PASS
N12	15	10	DFT-QPSK	H	Edge 1RB Left	30	1000	-57.58	-13	PASS
N12	15	10	DFT-QPSK	H	Edge 1RB Left	1000	8000	-39.90	-13	PASS
N12	15	15	DFT-QPSK	L	Edge 1RB Left	30	1000	-57.69	-13	PASS
N12	15	15	DFT-QPSK	L	Edge 1RB Left	1000	8000	-39.80	-13	PASS
N12	15	15	DFT-QPSK	M	Edge 1RB Left	30	1000	-57.51	-13	PASS
N12	15	15	DFT-QPSK	M	Edge 1RB Left	1000	8000	-39.72	-13	PASS
N12	15	15	DFT-QPSK	H	Edge 1RB Left	30	1000	-57.45	-13	PASS
N12	15	15	DFT-QPSK	H	Edge 1RB Left	1000	8000	-39.91	-13	PASS

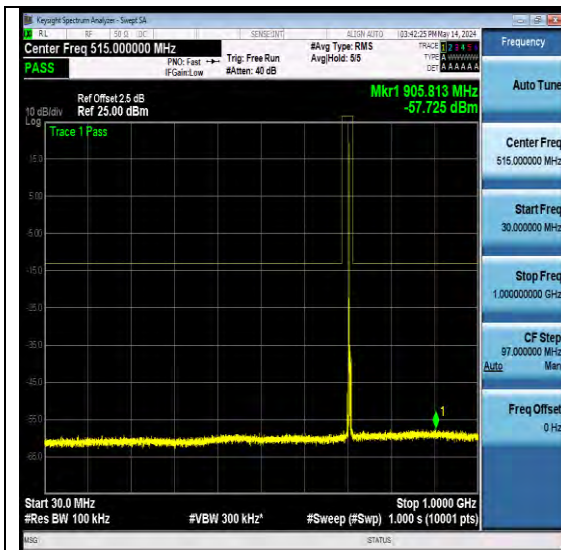
TEST GRAPHS





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VERITAS

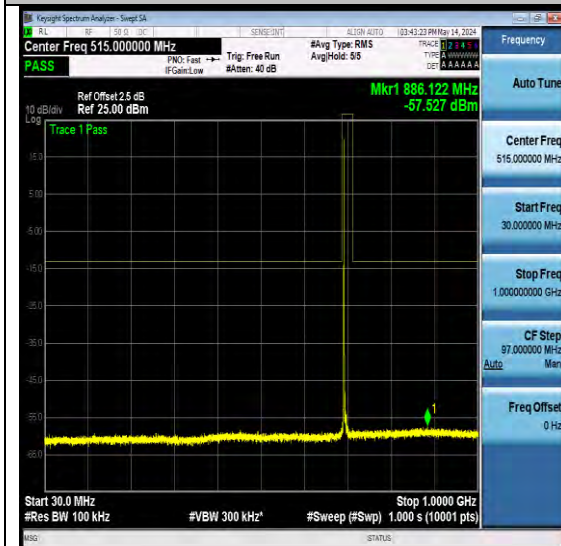
Reference No.: W7L-P24090003RF08



NTNV-N12-PC3-15-5-H-DFT-QPSK-Edge_1RB_L
eft-Ant2-PASS



NTNV-N12-PC3-15-5-H-DFT-QPSK-Edge_1RB_L
eft-Ant2-PASS



NTNV-N12-PC3-15-10-L-DFT-QPSK-Edge_1RB_
Left-Ant2-PASS

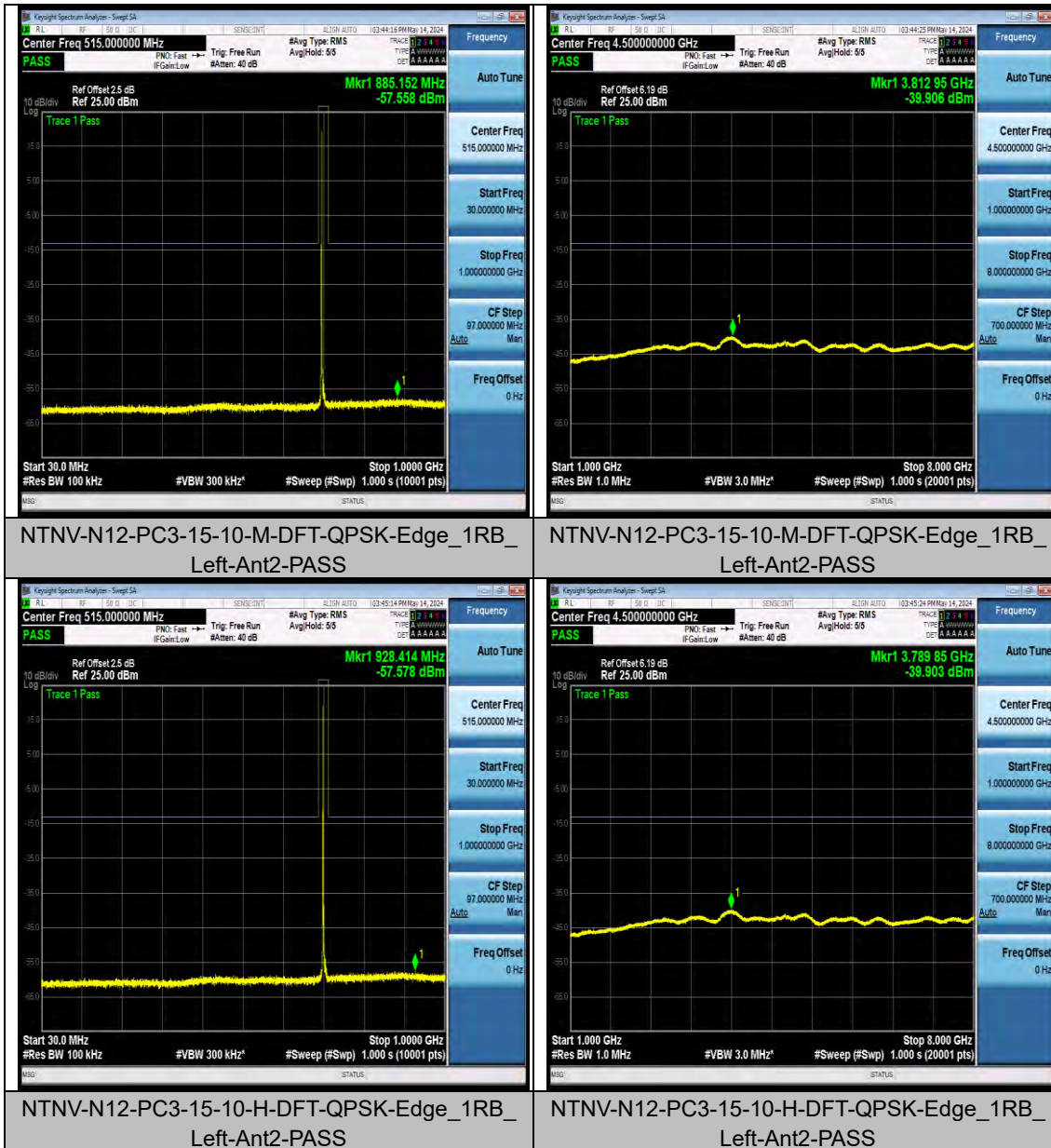


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Left-Ant2-PASS



BUREAU
VERITAS

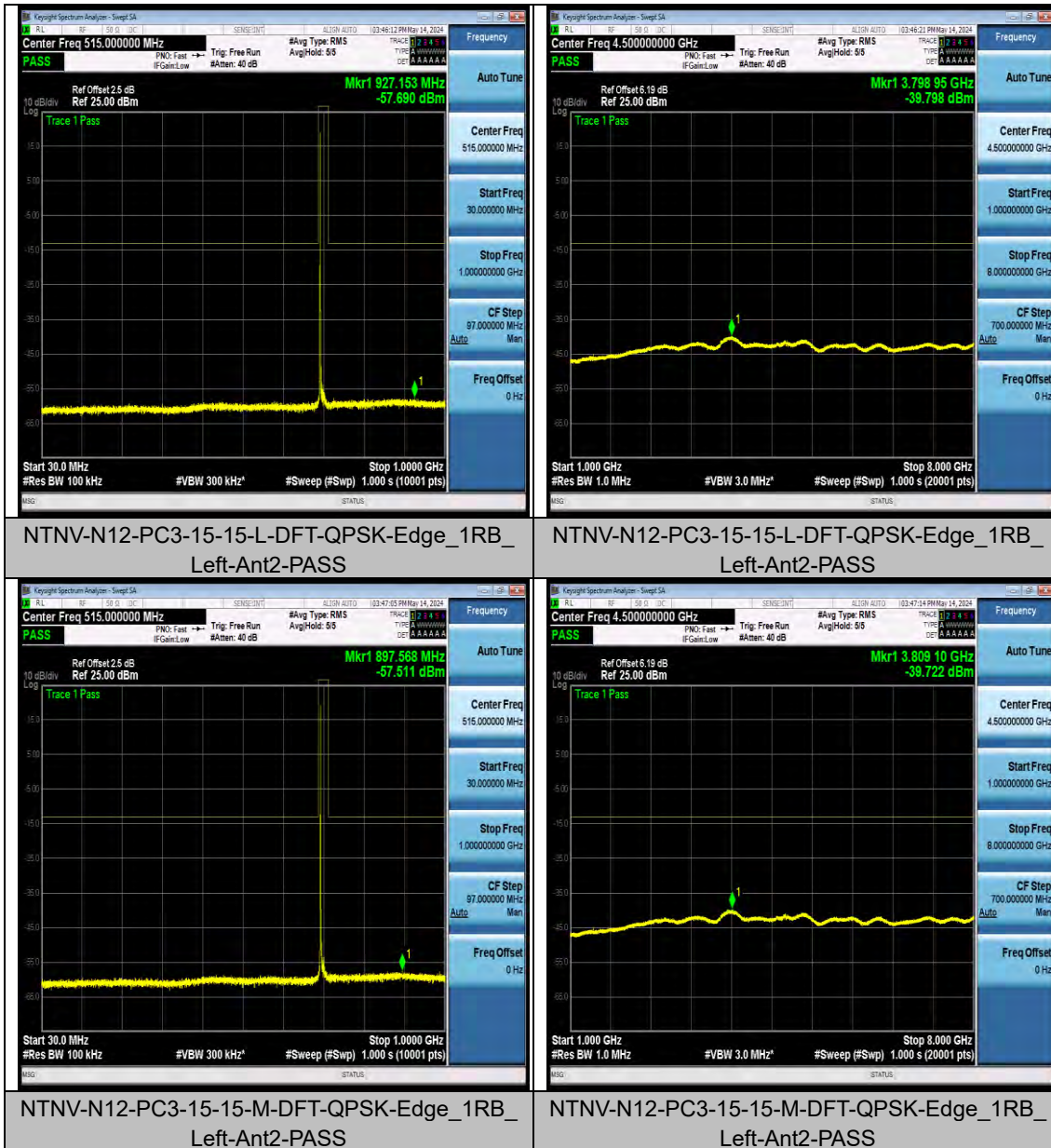
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VERITAS

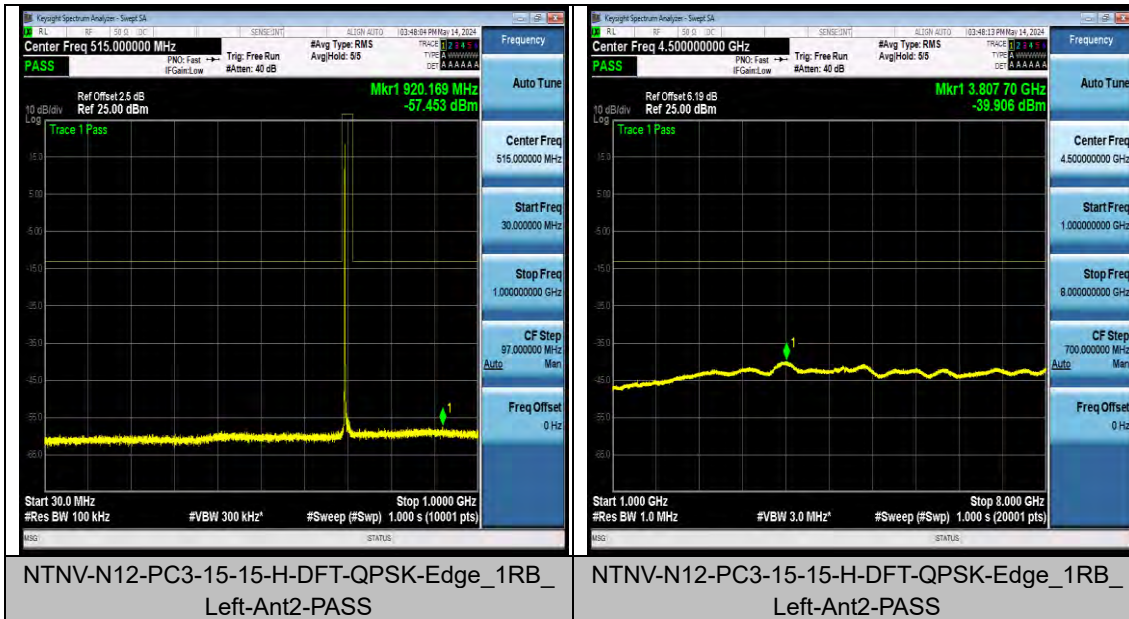
Reference No.: W7L-P24090003RF08





BUREAU
VERITAS

Reference No.: W7L-P24090003RF08



FREQUENCY STABILITY FOR SA TEST RESULT

Voltage													
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limited (MHz)	Verdict
N12	15	15	DFT-QPSK	L	Outer_Full	VL	NT	5.00	0.007077	704.3270	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	VN	NT	19.00	0.026893	704.3277	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	VH	NT	6.00	0.008493	704.3813	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	-30	6.00	0.008493	704.4865	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	-20	17.00	0.024062	704.4380	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	-10	11.00	0.015570	704.2165	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	0	12.00	0.016985	704.4510	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	10	3.00	0.004246	704.5435	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	20	15.00	0.021231	704.4813	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	30	16.00	0.022647	704.5493	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	40	11.00	0.015570	704.2906	---	699-716	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	NV	50	2.00	0.002831	704.2398	---	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	VL	NT	11.00	0.015526	---	715.6697	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	VN	NT	13.00	0.018349	---	715.6368	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	VH	NT	5.00	0.007057	---	715.6898	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	-30	15.00	0.021171	---	715.6548	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	-20	4.00	0.005646	---	715.7406	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	-10	14.00	0.019760	---	715.7497	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	0	6.00	0.008469	---	715.6722	699-716	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	10	8.00	0.011291	---	715.7149	699-716	PASS



BUREAU
VERITAS

Reference No.: W7L-P24090003RF08

N12	15	15	DFT-QPSK	H	Outer_Full	NV	20	18.00	0.025406	---	715.6 483	699-7 16	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	30	17.00	0.023994	---	715.6 902	699-7 16	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	40	8.00	0.011291	---	715.6 795	699-7 16	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	NV	50	19.00	0.026817	---	715.6 475	699-7 16	PASS



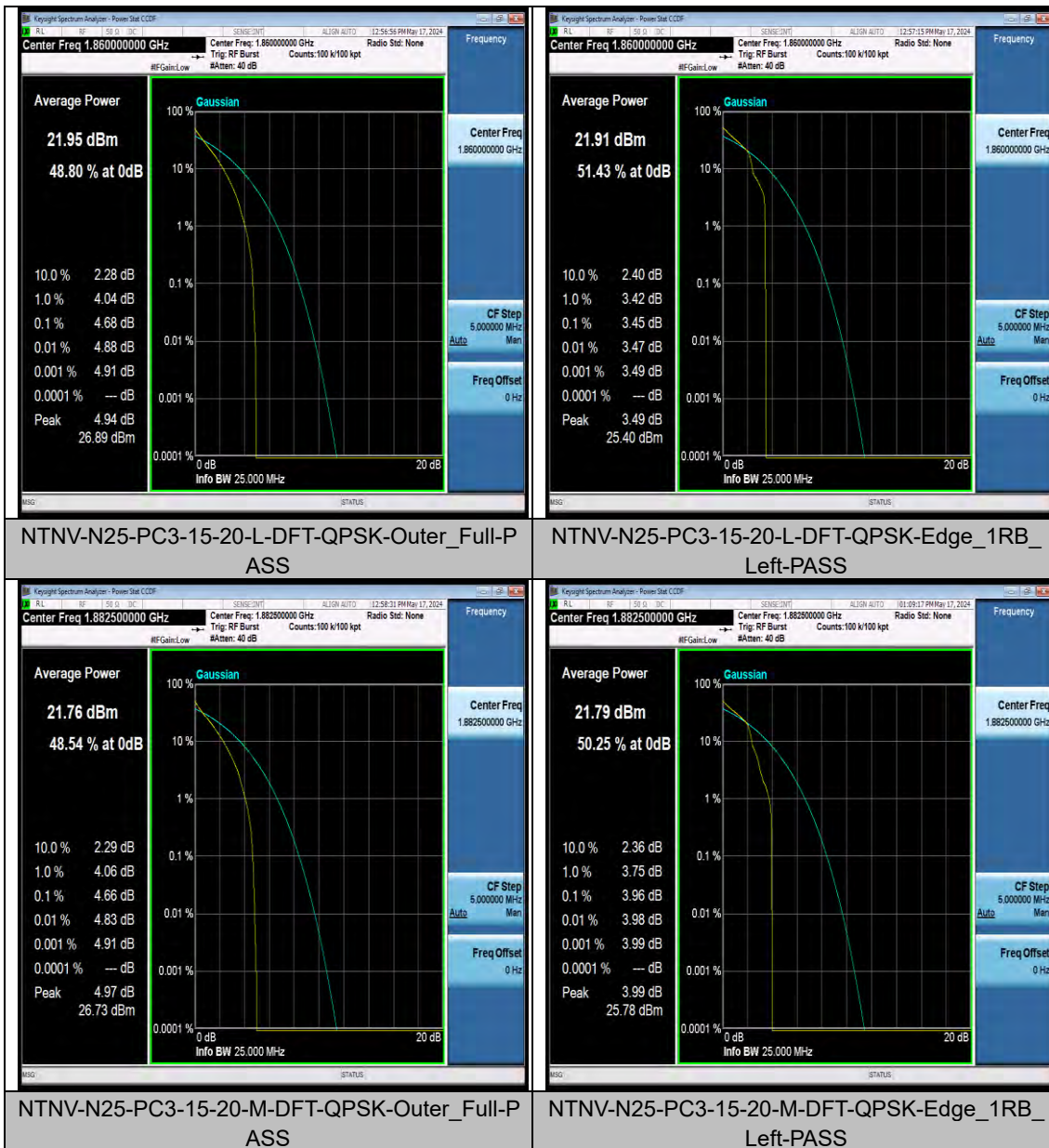
Reference No.: W7L-P24090003RF08

N25 PEAK-TO-AVERAGE RATIO(CCDF)

TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N25	15	20	DFT-QPSK	L	Outer_Full	4.68	≤ 13	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	3.45	≤ 13	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	4.66	≤ 13	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	3.96	≤ 13	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	5.11	≤ 13	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	4.29	≤ 13	PASS

TEST GRAPHS





Reference No.: W7L-P24090003RF08





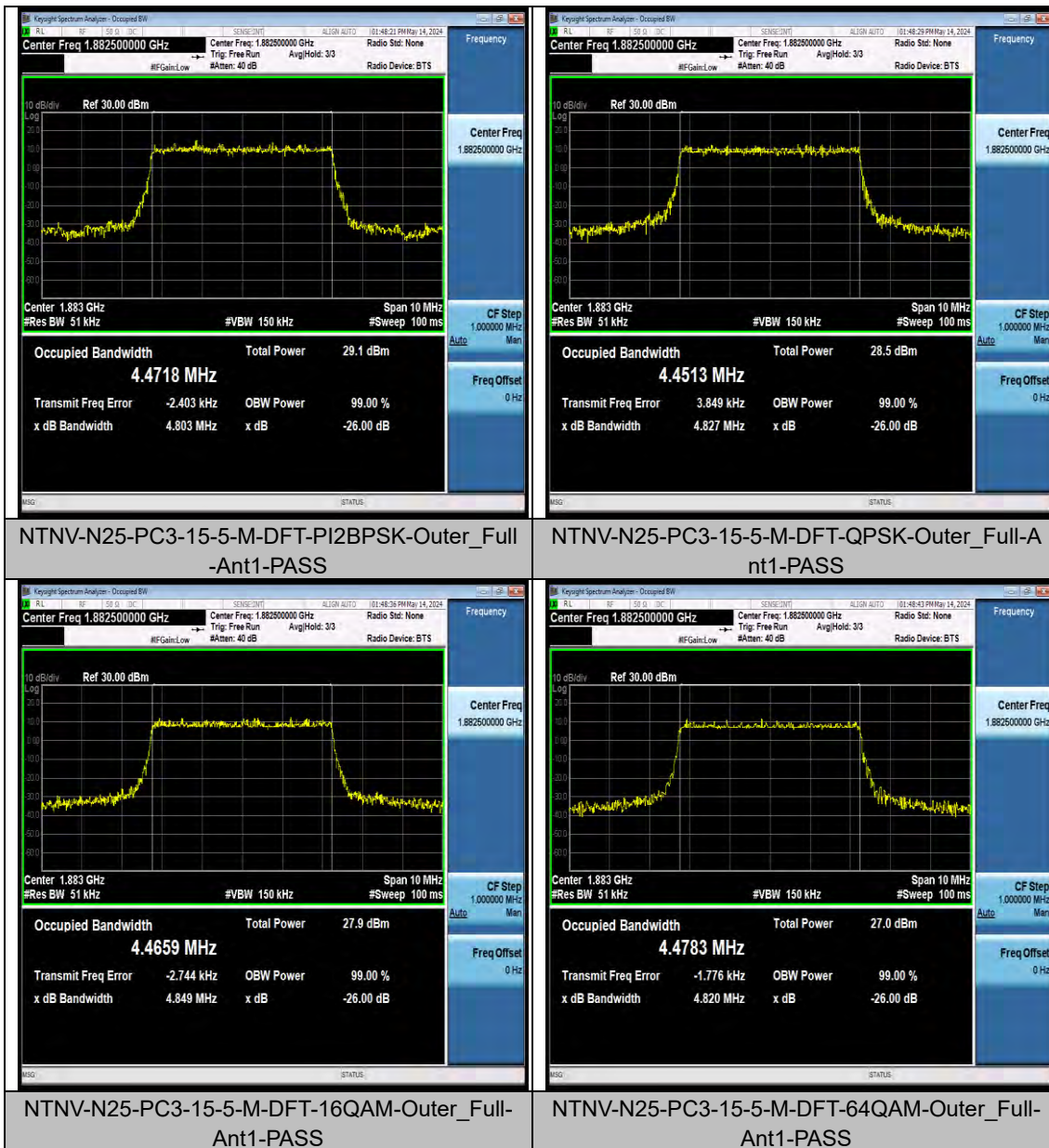
Reference No.: W7L-P24090003RF08

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	4.4718	4.803	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.4513	4.827	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.4659	4.849	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.4783	4.820	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.4743	4.893	PASS
N25	15	10	DFT-PI2BPSK	M	Outer_Full	8.9007	9.423	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.9129	9.452	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.9084	9.402	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	8.9156	9.542	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	8.9157	9.452	PASS
N25	15	15	DFT-PI2BPSK	M	Outer_Full	13.377	14.06	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.368	14.03	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.393	14.12	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.387	14.06	PASS
N25	15	15	DFT-256QAM	M	Outer_Full	13.392	14.00	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	17.824	18.58	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.856	18.71	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.910	18.59	PASS
N25	15	20	DFT-64QAM	M	Outer_Full	17.884	18.69	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.863	18.66	PASS
N25	15	25	DFT-PI2BPSK	M	Outer_Full	22.824	23.72	PASS
N25	15	25	DFT-QPSK	M	Outer_Full	22.892	23.78	PASS
N25	15	25	DFT-16QAM	M	Outer_Full	22.834	23.80	PASS
N25	15	25	DFT-64QAM	M	Outer_Full	22.860	23.78	PASS
N25	15	25	DFT-256QAM	M	Outer_Full	22.847	23.78	PASS
N25	15	30	DFT-PI2BPSK	M	Outer_Full	28.545	29.60	PASS
N25	15	30	DFT-QPSK	M	Outer_Full	28.578	29.56	PASS
N25	15	30	DFT-16QAM	M	Outer_Full	28.510	29.57	PASS
N25	15	30	DFT-64QAM	M	Outer_Full	28.505	29.58	PASS
N25	15	30	DFT-256QAM	M	Outer_Full	28.524	29.55	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	38.449	39.96	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	38.472	39.81	PASS
N25	15	40	DFT-16QAM	M	Outer_Full	38.390	39.85	PASS
N25	15	40	DFT-64QAM	M	Outer_Full	38.528	39.89	PASS
N25	15	40	DFT-256QAM	M	Outer_Full	38.410	39.97	PASS

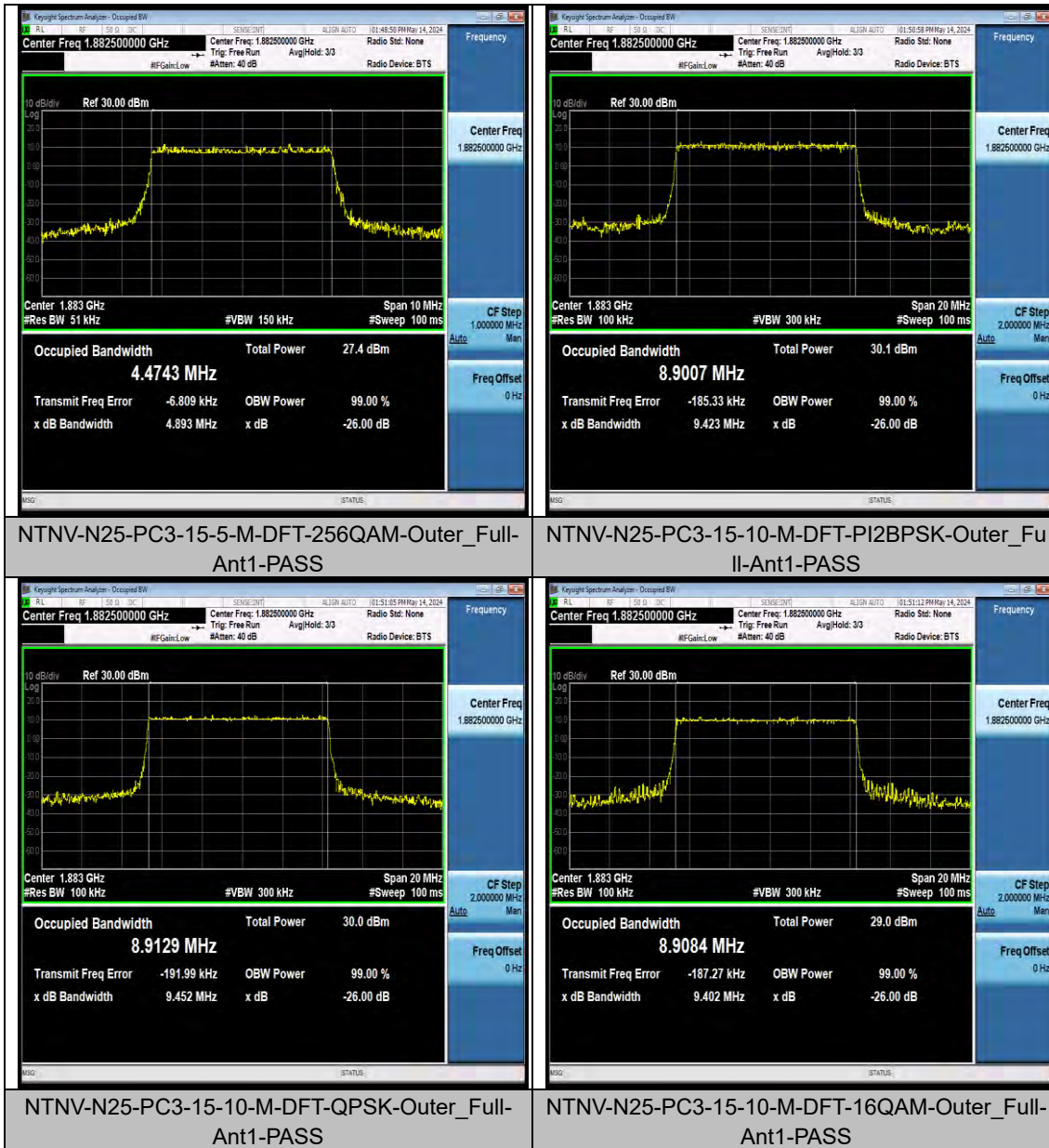
TEST GRAPHS





BUREAU
VERITAS

Reference No.: W7L-P24090003RF08





BUREAU
VERITAS

Reference No.: W7L-P24090003RF08

