

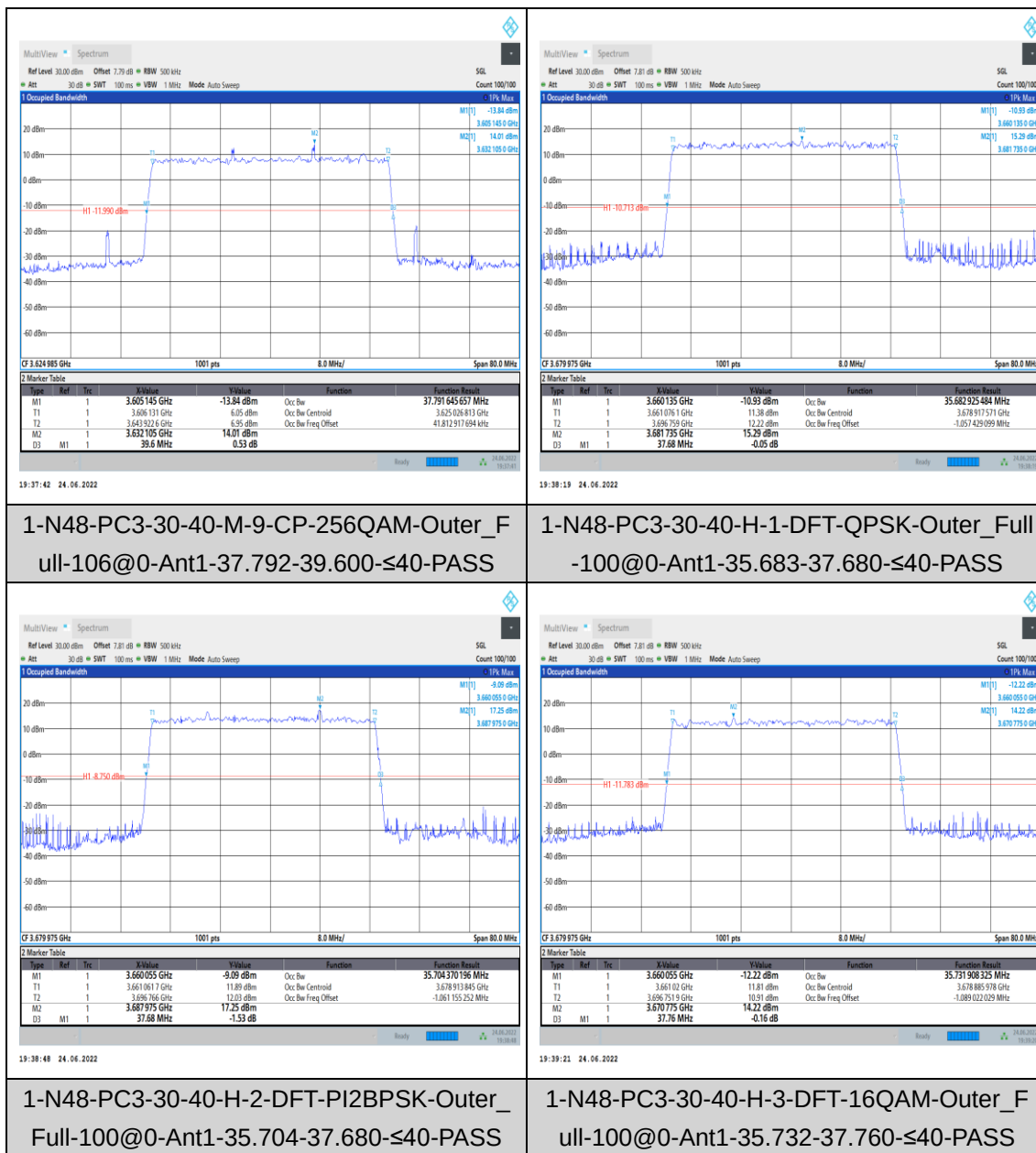


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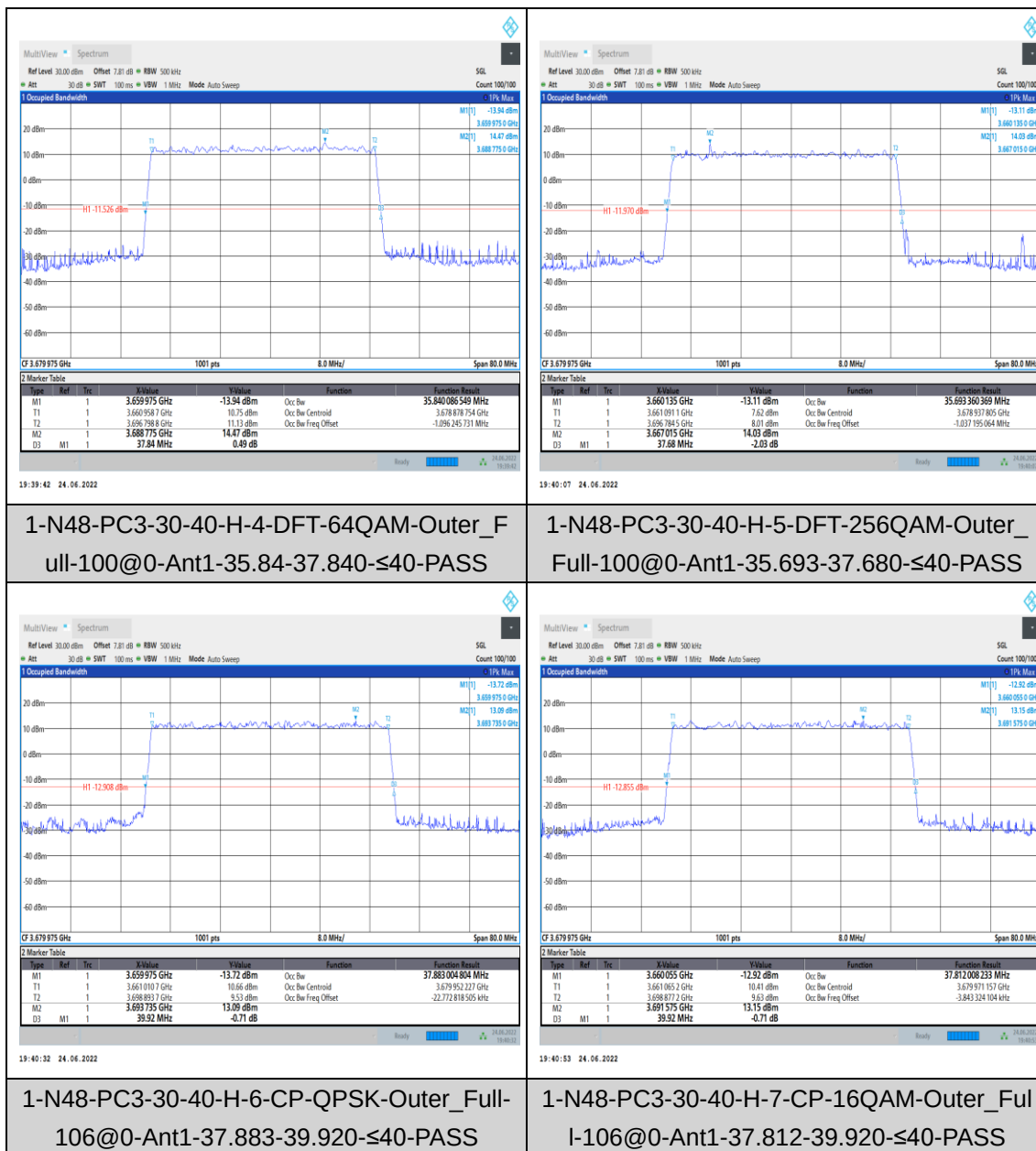


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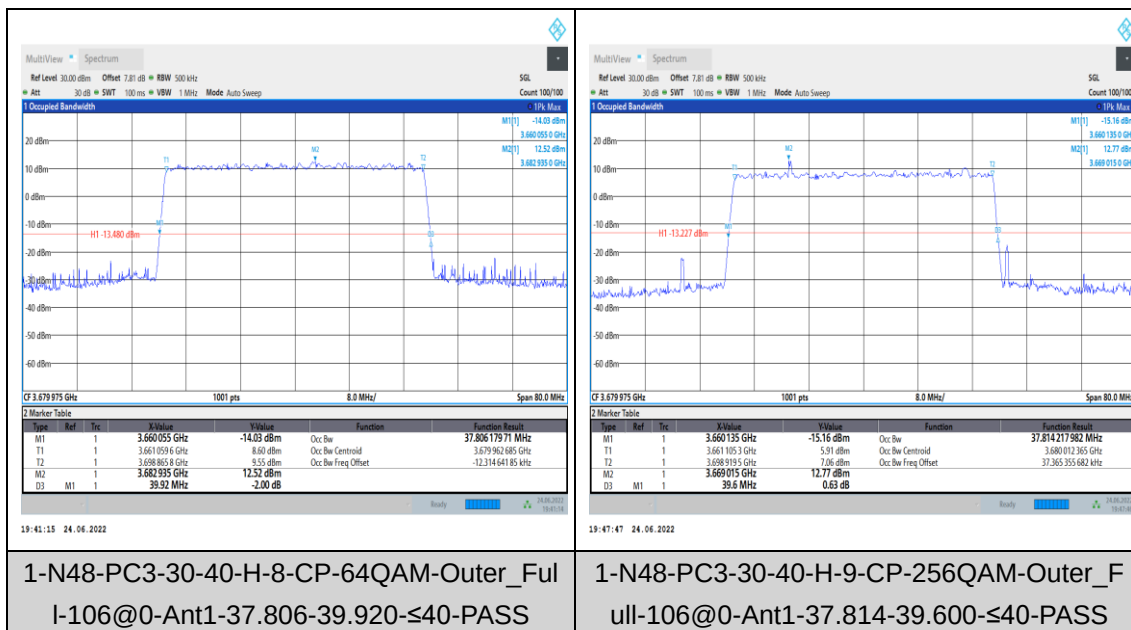


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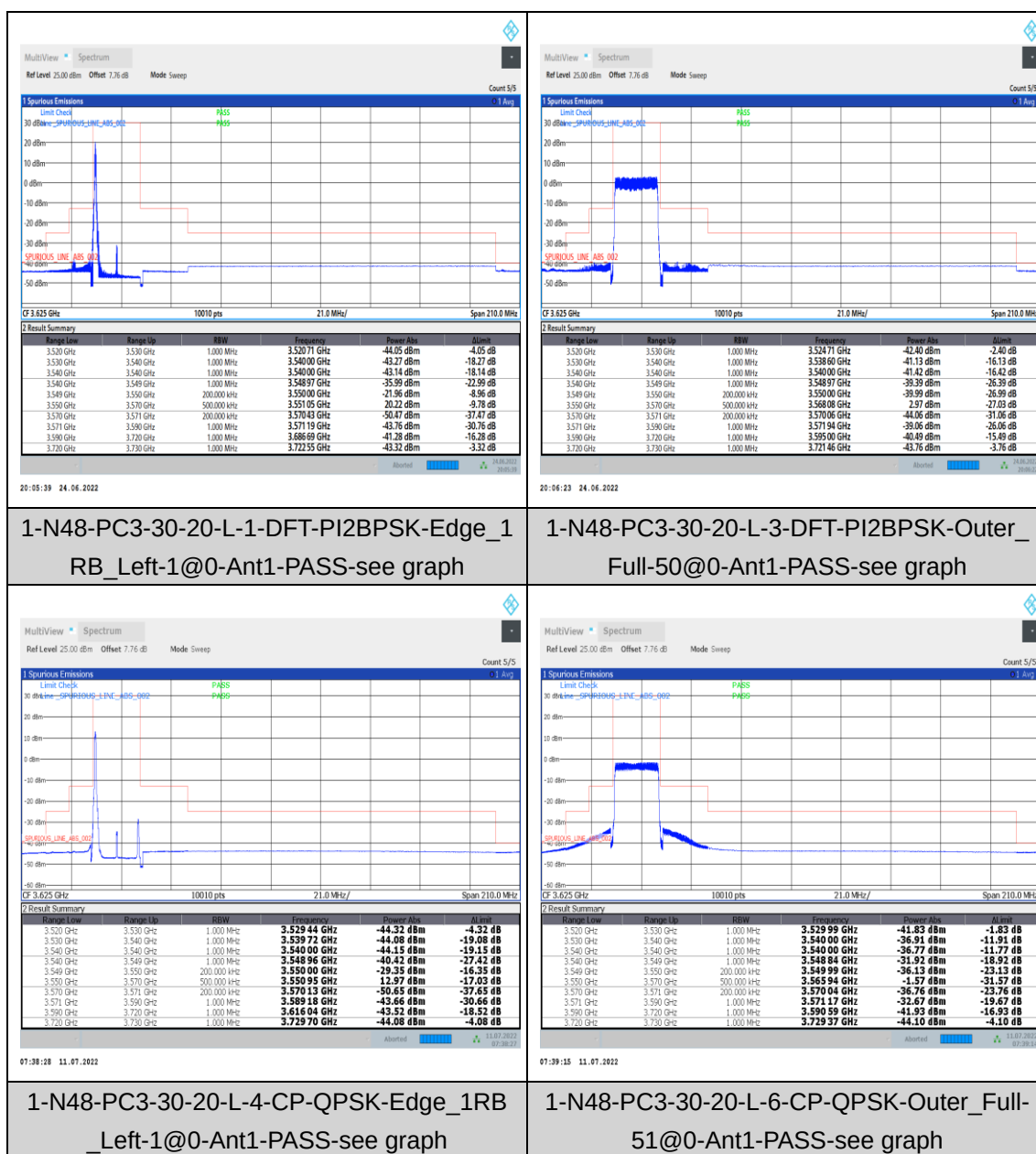
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Band Edge for SA

Test Graphs



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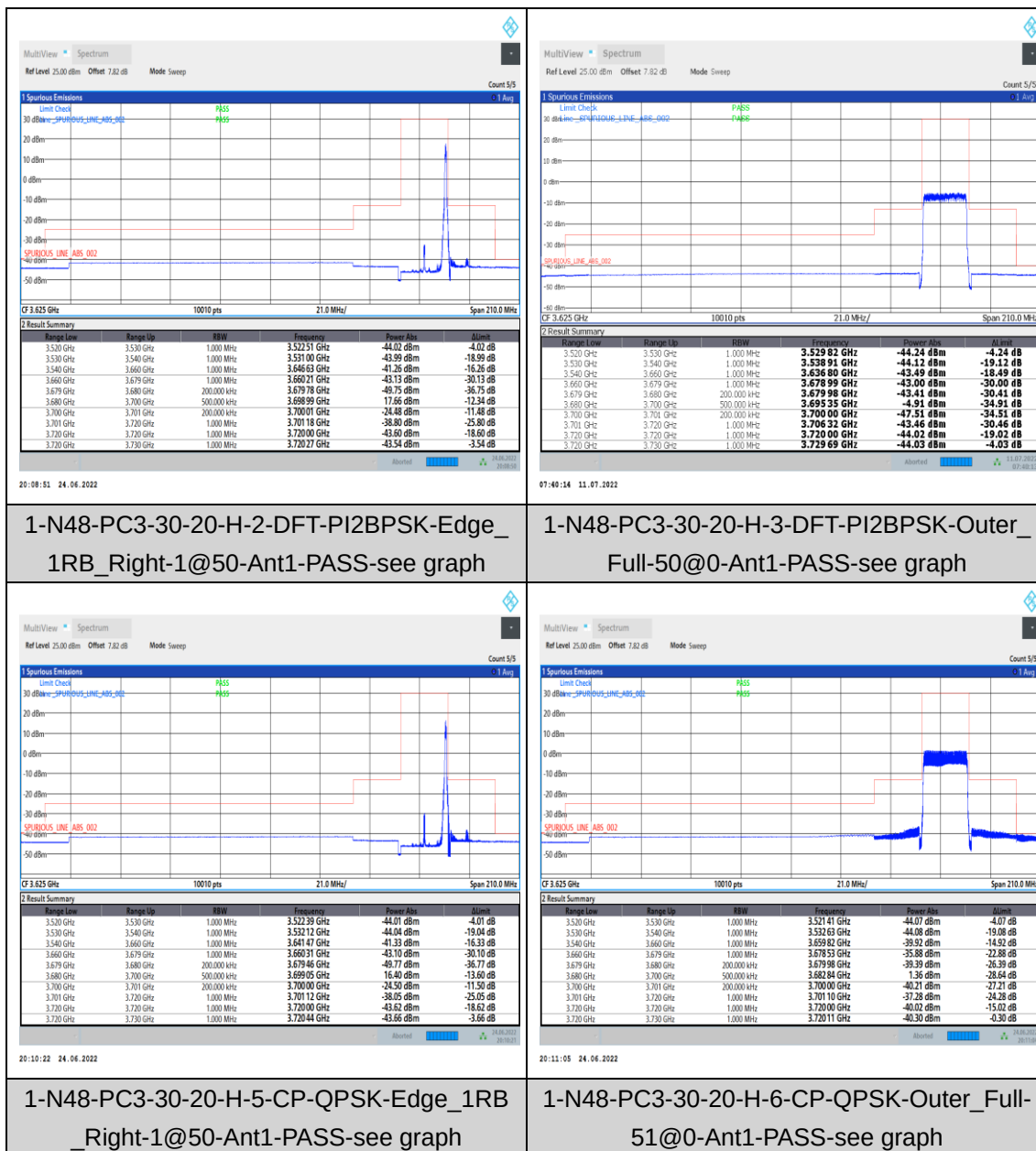
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1-N48-PC3-30-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@50-Ant1-PASS-see graph

1-N48-PC3-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-PASS-see graph

1-N48-PC3-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-PASS-see graph

1-N48-PC3-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-PASS-see graph

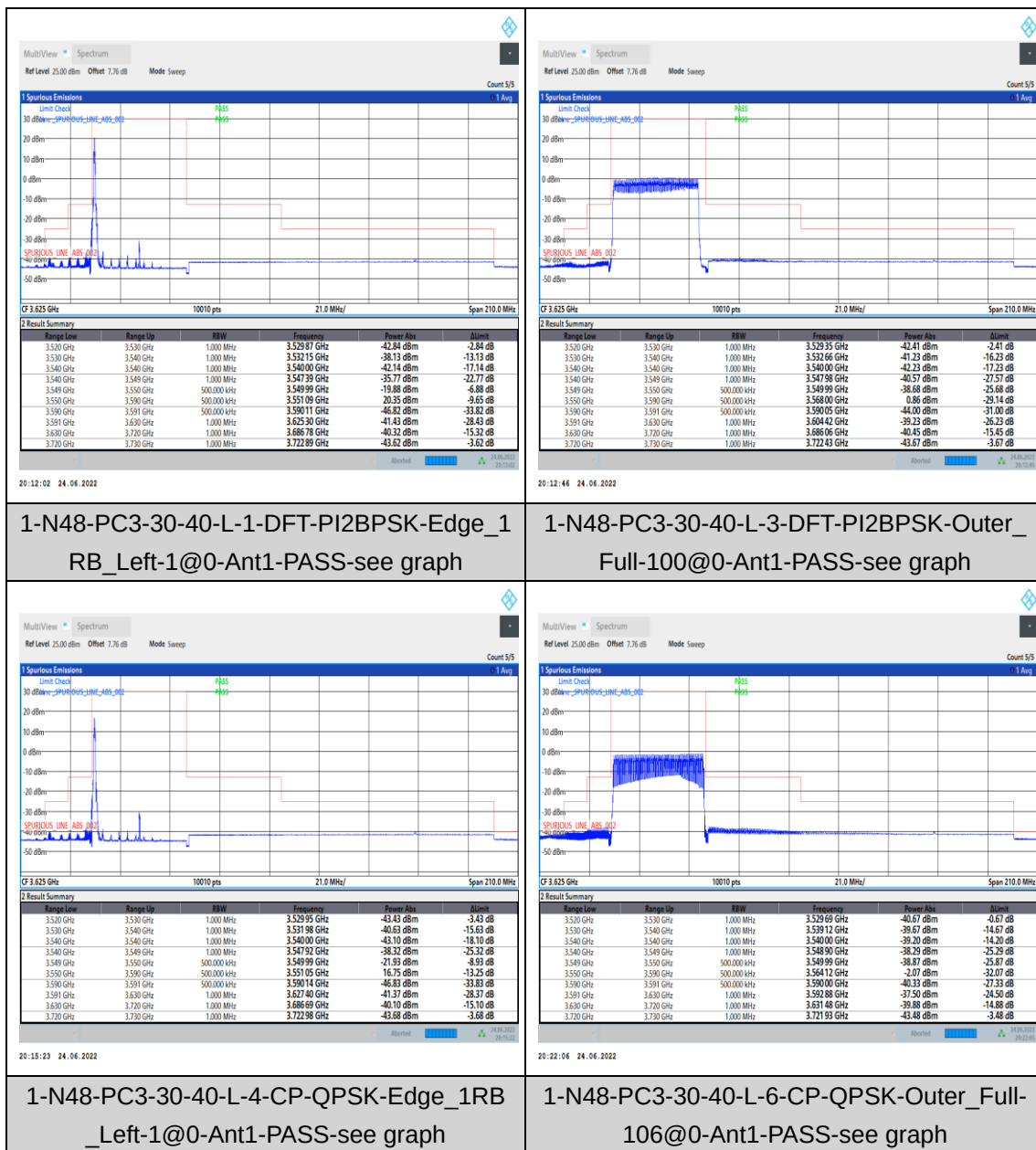


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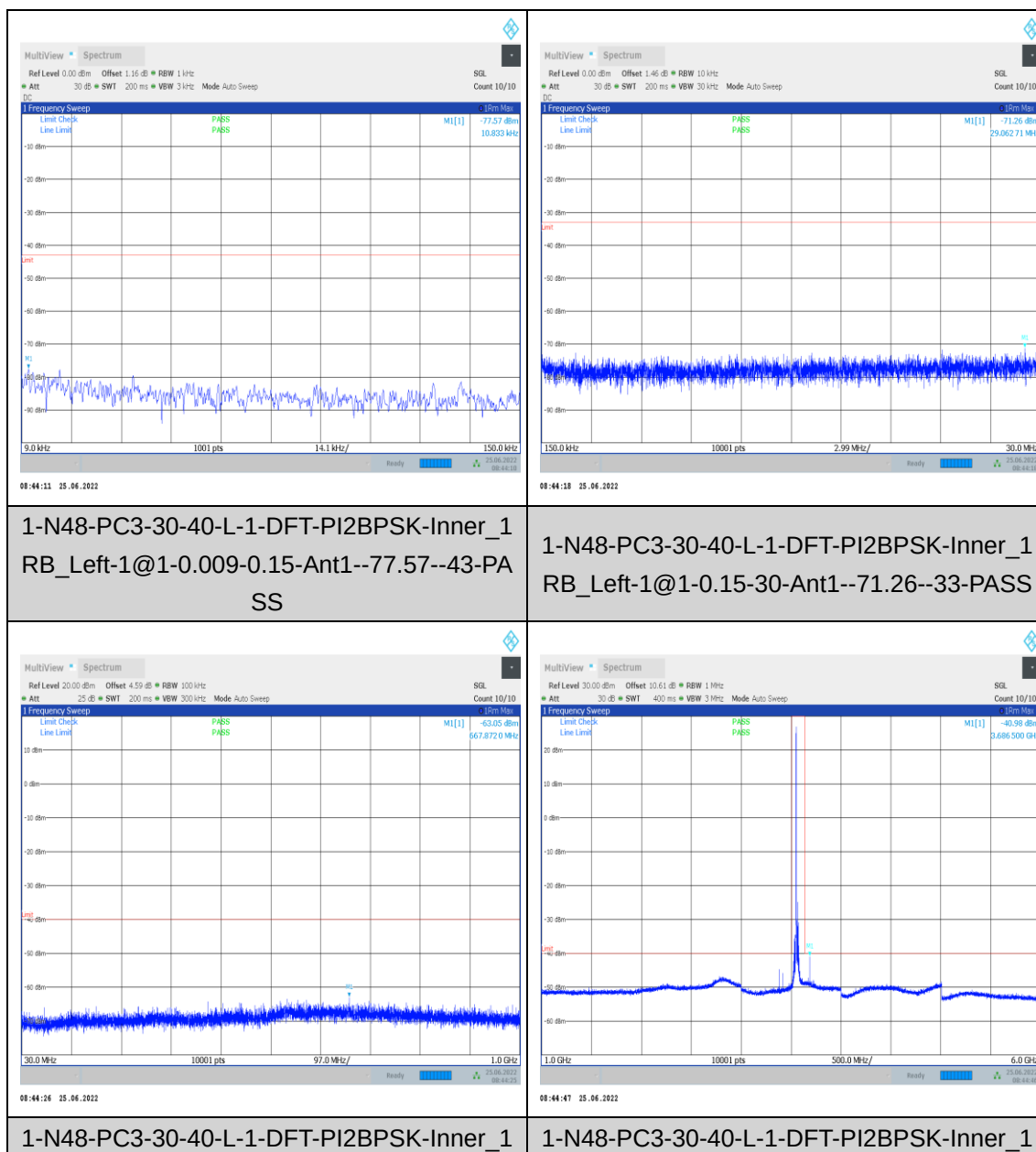
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Conducted Spurious Emission for SA

Test Graphs



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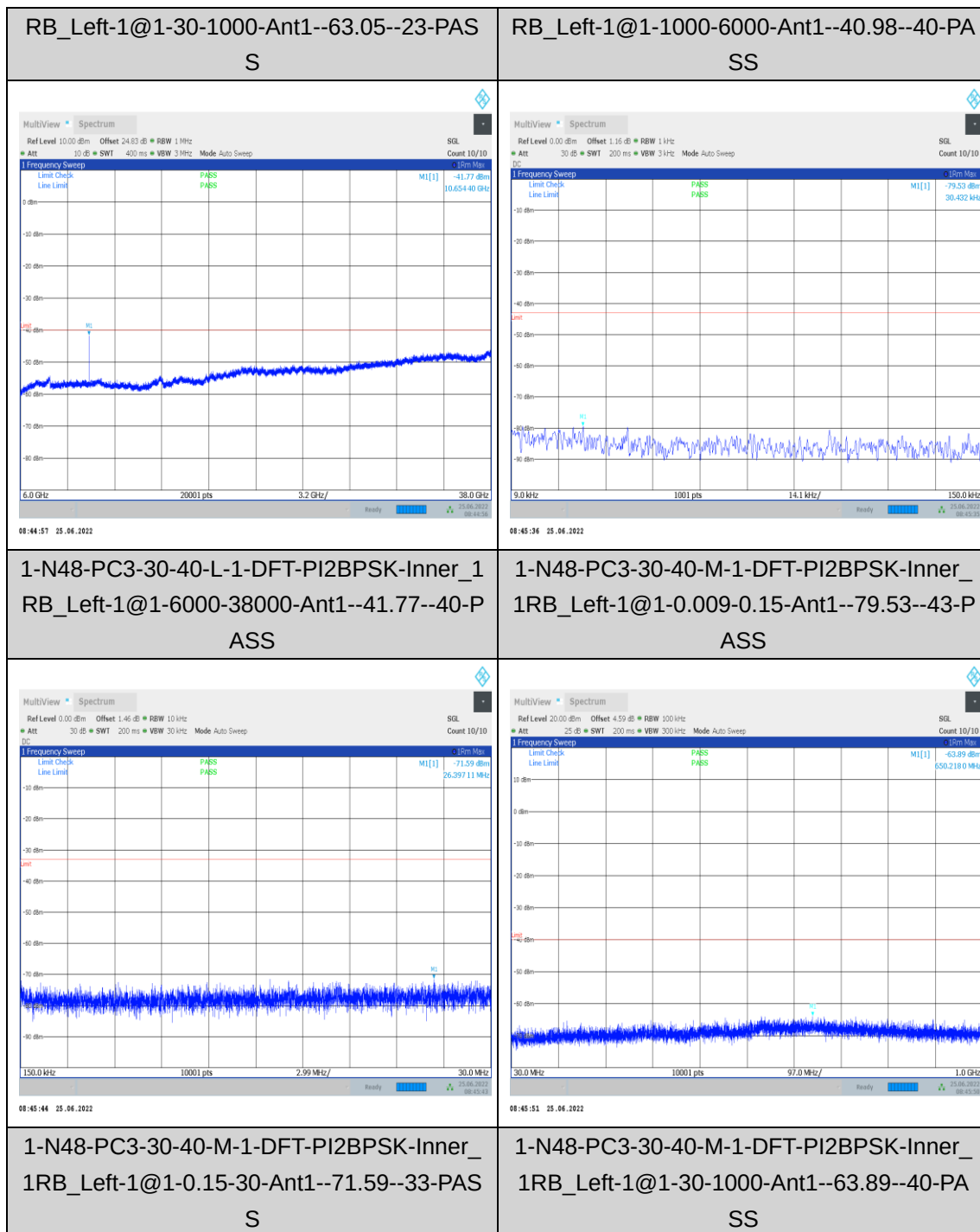
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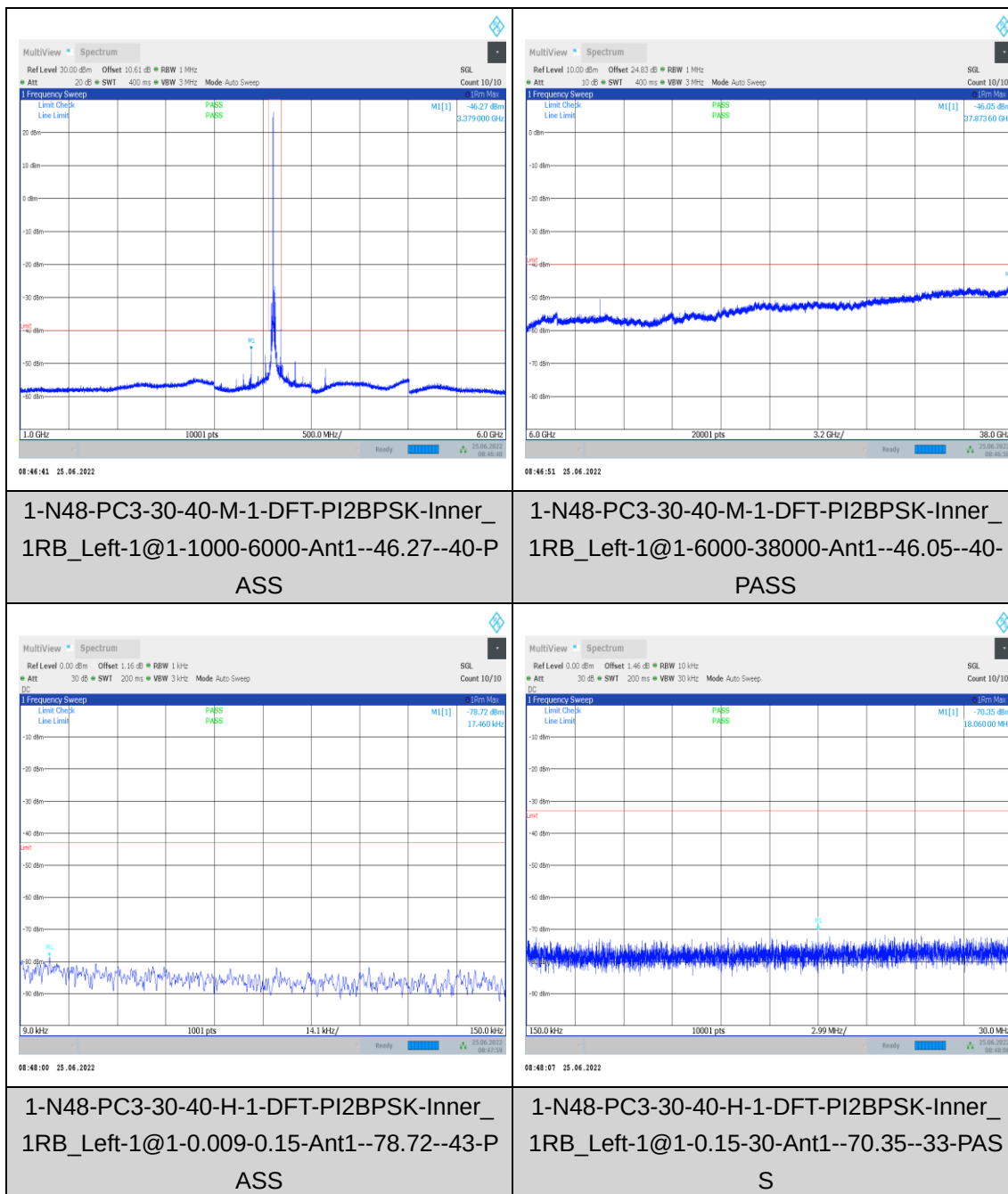
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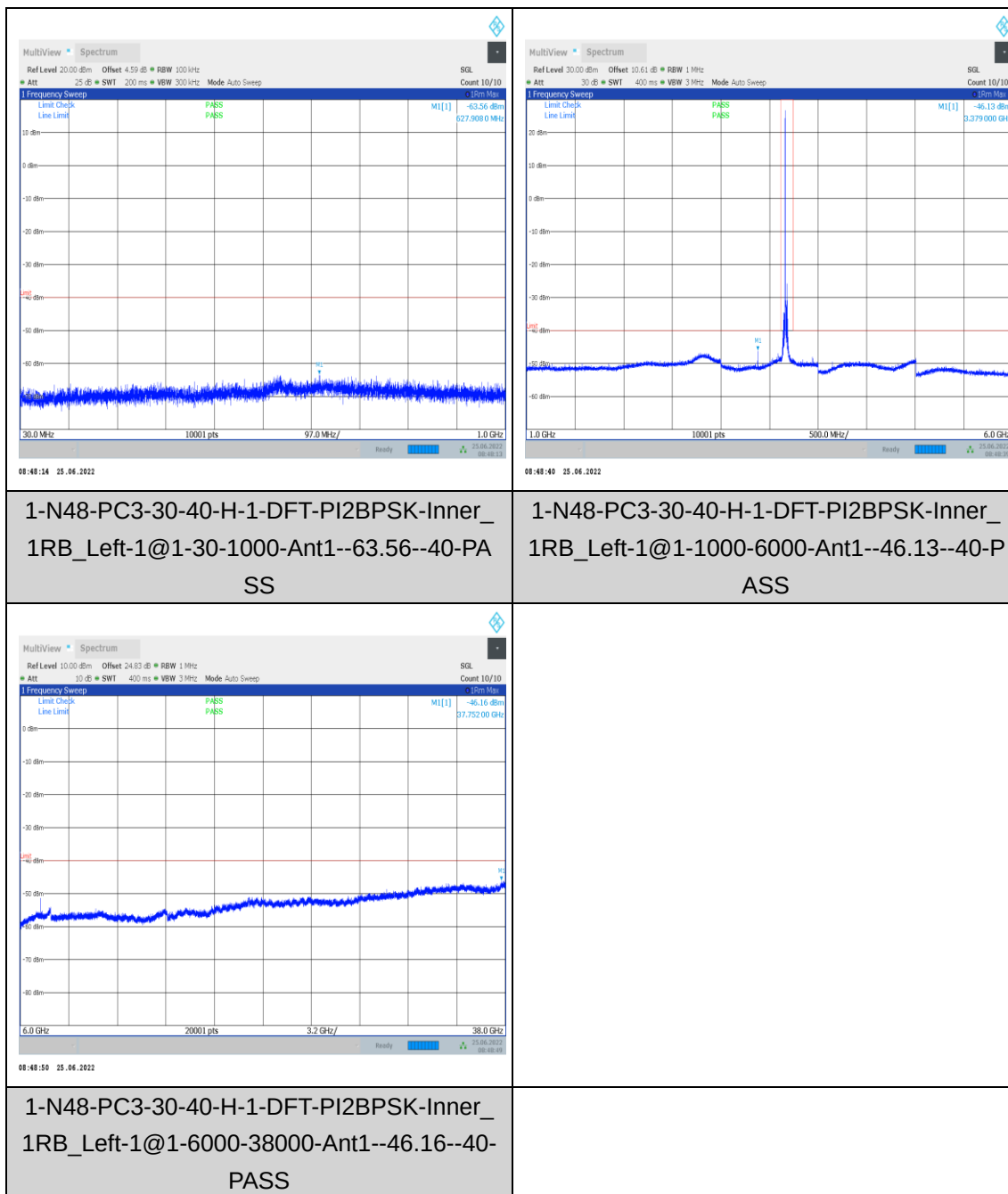


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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-5.900000	-0.001628	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.800000	-0.001048	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.200000	-0.001710	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VH	NT	-9.900000	-0.002731	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VN	NT	-9.200000	-0.002538	PASS
N48	30	40	CP-QPSK	M	Outer_Full	VL	NT	-8.600000	-0.002372	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-5.500000	-0.001517	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-11.300000	-0.003117	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-9.600000	-0.002648	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-6.400000	-0.001766	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-7.400000	-0.002041	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	3.000000	0.000828	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	1.300000	0.000359	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-11.500000	-0.003172	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-7.000000	-0.001931	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-30	-10.600000	-0.002924	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	-20	-5.800000	-0.001600	PASS



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N48	30	40	CP-QPSK	M	Outer_Full	NV	-10	-3.100000	-0.000855	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	0	2.700000	0.000745	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	10	-7.900000	-0.002179	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	20	0.400000	0.000110	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	30	-11.800000	-0.003255	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	40	-4.200000	-0.001159	PASS
N48	30	40	CP-QPSK	M	Outer_Full	NV	50	-10.700000	-0.002952	PASS



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Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N48	30	40	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N48	30	40	DFT-QPSK	M	Outer_Full	see graph	PASS
N48	30	40	DFT-16QAM	M	Outer_Full	see graph	PASS
N48	30	40	DFT-64QAM	M	Outer_Full	see graph	PASS
N48	30	40	DFT-256QAM	M	Outer_Full	see graph	PASS
N48	30	40	CP-QPSK	M	Outer_Full	see graph	PASS
N48	30	40	CP-16QAM	M	Outer_Full	see graph	PASS
N48	30	40	CP-64QAM	M	Outer_Full	see graph	PASS
N48	30	40	CP-256QAM	M	Outer_Full	see graph	PASS



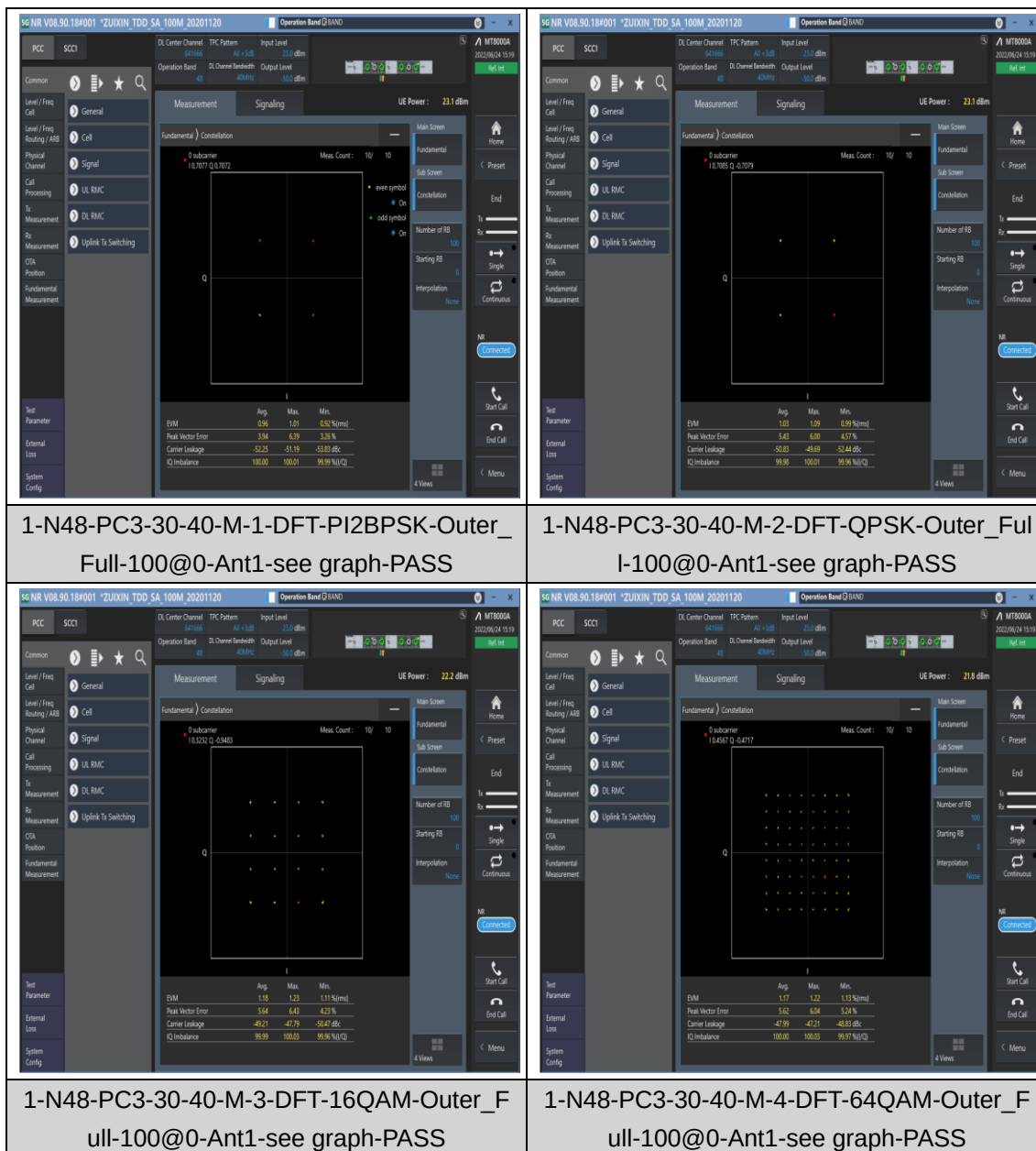
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Test Graphs

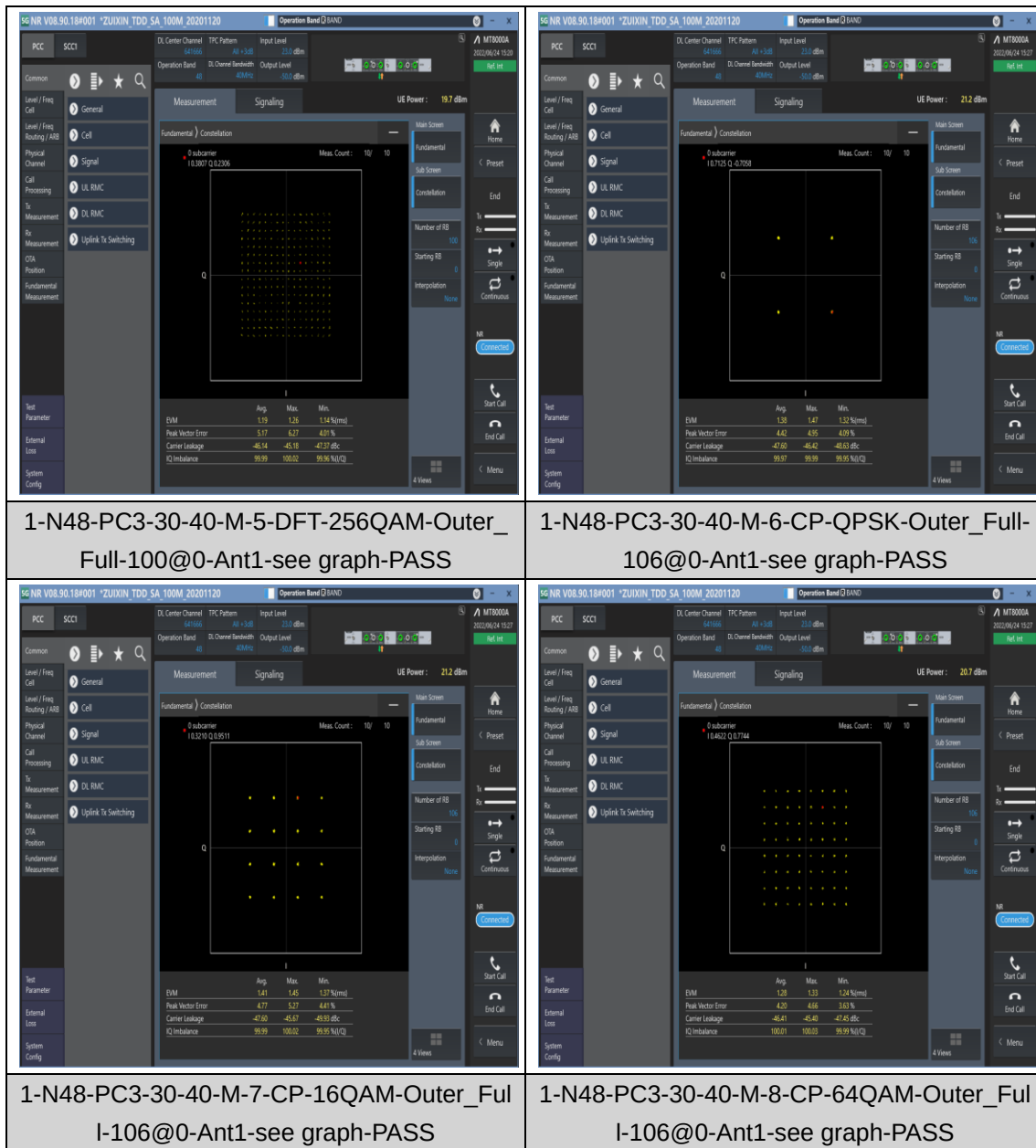


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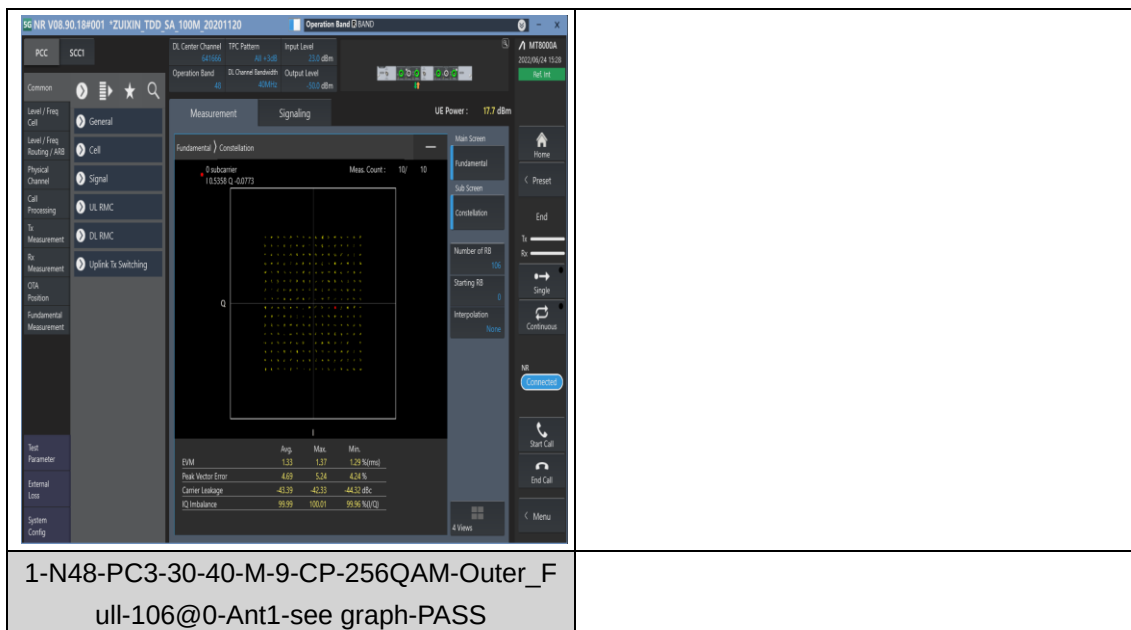


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Power Spectral Density Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	EIRP	Limit	Verdict
N48	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.66	20.01	23	PASS
N48	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.53	19.88	23	PASS
N48	30	20	DFT-PI2BPSK	L	Outer_Full	21.74	18.09	23	PASS
N48	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.80	20.15	23	PASS
N48	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.49	19.84	23	PASS
N48	30	20	DFT-PI2BPSK	M	Outer_Full	21.29	17.64	23	PASS
N48	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	21.66	18.01	23	PASS
N48	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	20.08	16.43	23	PASS
N48	30	20	DFT-PI2BPSK	H	Outer_Full	16.73	13.08	23	PASS
N48	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	24.18	20.53	23	PASS
N48	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	24.15	20.5	23	PASS
N48	30	40	DFT-PI2BPSK	L	Outer_Full	18.64	14.99	23	PASS
N48	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	24.01	20.36	23	PASS
N48	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	24.19	20.54	23	PASS
N48	30	40	DFT-PI2BPSK	M	Outer_Full	18.75	15.1	23	PASS
N48	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	19.95	16.3	23	PASS
N48	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	19.76	16.11	23	PASS
N48	30	40	DFT-PI2BPSK	H	Outer_Full	14.37	10.72	23	PASS



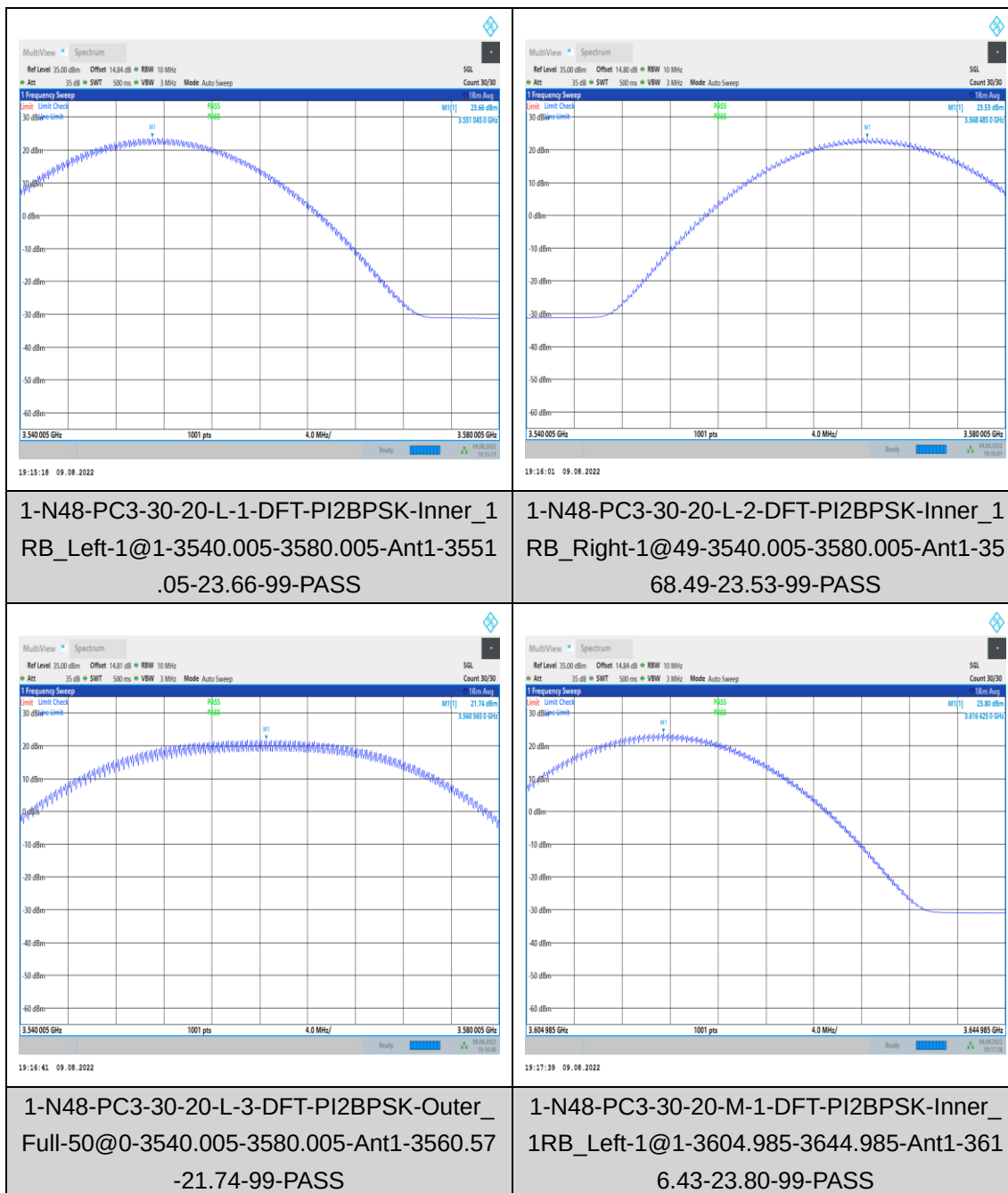
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Test Graphs



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