

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77-3700 -3980	30	10	DFT-PI2BPSK	M	Outer_Full	8.5841	9.568	PASS
N77-3700 -3980	30	10	DFT-QPSK	M	Outer_Full	8.5802	9.631	PASS
N77-3700 -3980	30	10	DFT-16QAM	M	Outer_Full	8.6027	9.587	PASS
N77-3700 -3980	30	10	DFT-64QAM	M	Outer_Full	8.5694	9.514	PASS
N77-3700 -3980	30	10	DFT-256QAM	M	Outer_Full	8.5589	9.545	PASS
N77-3700 -3980	30	15	DFT-PI2BPSK	M	Outer_Full	12.838	14.03	PASS
N77-3700 -3980	30	15	DFT-QPSK	M	Outer_Full	12.821	14.01	PASS
N77-3700 -3980	30	15	DFT-16QAM	M	Outer_Full	12.797	14.02	PASS
N77-3700 -3980	30	15	DFT-64QAM	M	Outer_Full	12.854	14.23	PASS
N77-3700 -3980	30	15	DFT-256QAM	M	Outer_Full	12.859	14.19	PASS
N77-3700 -3980	30	20	DFT-PI2BPSK	M	Outer_Full	17.792	19.05	PASS
N77-3700 -3980	30	20	DFT-QPSK	M	Outer_Full	17.772	19.23	PASS
N77-3700 -3980	30	20	DFT-16QAM	M	Outer_Full	17.864	19.20	PASS
N77-3700 -3980	30	20	DFT-64QAM	M	Outer_Full	17.810	19.47	PASS
N77-3700 -3980	30	20	DFT-256QAM	M	Outer_Full	17.818	19.23	PASS
N77-3700 -3980	30	30	DFT-PI2BPSK	M	Outer_Full	26.779	28.37	PASS
N77-3700 -3980	30	30	DFT-QPSK	M	Outer_Full	26.738	28.49	PASS
N77-3700 -3980	30	30	DFT-16QAM	M	Outer_Full	26.747	28.60	PASS
N77-3700 -3980	30	30	DFT-64QAM	M	Outer_Full	26.749	28.48	PASS
N77-3700 -3980	30	30	DFT-256QAM	M	Outer_Full	26.765	28.40	PASS
N77-3700 -3980	30	40	DFT-PI2BPSK	M	Outer_Full	35.695	37.57	PASS
N77-3700 -3980	30	40	DFT-QPSK	M	Outer_Full	35.702	37.18	PASS



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N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	35.762	37.28	PASS
N77-3700-3980	30	40	DFT-64QAM	M	Outer_Full	35.750	37.69	PASS
N77-3700-3980	30	40	DFT-256QAM	M	Outer_Full	35.738	37.63	PASS
N77-3700-3980	30	50	DFT-PI2BPSK	M	Outer_Full	45.670	47.89	PASS
N77-3700-3980	30	50	DFT-QPSK	M	Outer_Full	45.669	47.61	PASS
N77-3700-3980	30	50	DFT-16QAM	M	Outer_Full	45.676	47.85	PASS
N77-3700-3980	30	50	DFT-64QAM	M	Outer_Full	45.651	47.42	PASS
N77-3700-3980	30	50	DFT-256QAM	M	Outer_Full	45.658	47.65	PASS
N77-3700-3980	30	60	DFT-PI2BPSK	M	Outer_Full	57.780	60.07	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	57.831	60.08	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	57.689	59.91	PASS
N77-3700-3980	30	60	DFT-64QAM	M	Outer_Full	57.761	60.37	PASS
N77-3700-3980	30	60	DFT-256QAM	M	Outer_Full	57.717	60.33	PASS
N77-3700-3980	30	70	DFT-PI2BPSK	M	Outer_Full	64.147	66.83	PASS
N77-3700-3980	30	70	DFT-QPSK	M	Outer_Full	64.254	66.99	PASS
N77-3700-3980	30	70	DFT-16QAM	M	Outer_Full	64.195	66.96	PASS
N77-3700-3980	30	70	DFT-64QAM	M	Outer_Full	64.180	66.88	PASS
N77-3700-3980	30	70	DFT-256QAM	M	Outer_Full	64.143	67.07	PASS
N77-3700-3980	30	80	DFT-PI2BPSK	M	Outer_Full	76.920	79.72	PASS
N77-3700-3980	30	80	DFT-QPSK	M	Outer_Full	77.023	79.98	PASS
N77-3700-3980	30	80	DFT-16QAM	M	Outer_Full	76.858	79.81	PASS
N77-3700-3980	30	80	DFT-64QAM	M	Outer_Full	77.147	79.65	PASS
N77-3700-3980	30	80	DFT-256QAM	M	Outer_Full	77.000	80.08	PASS
N77-3700-3980	30	90	DFT-PI2BPSK	M	Outer_Full	86.590	89.74	PASS
N77-3700-3980	30	90	DFT-QPSK	M	Outer_Full	86.574	89.77	PASS
N77-3700-3980	30	90	DFT-16QAM	M	Outer_Full	86.791	89.71	PASS
N77-3700-3980	30	90	DFT-64QAM	M	Outer_Full	86.420	89.60	PASS

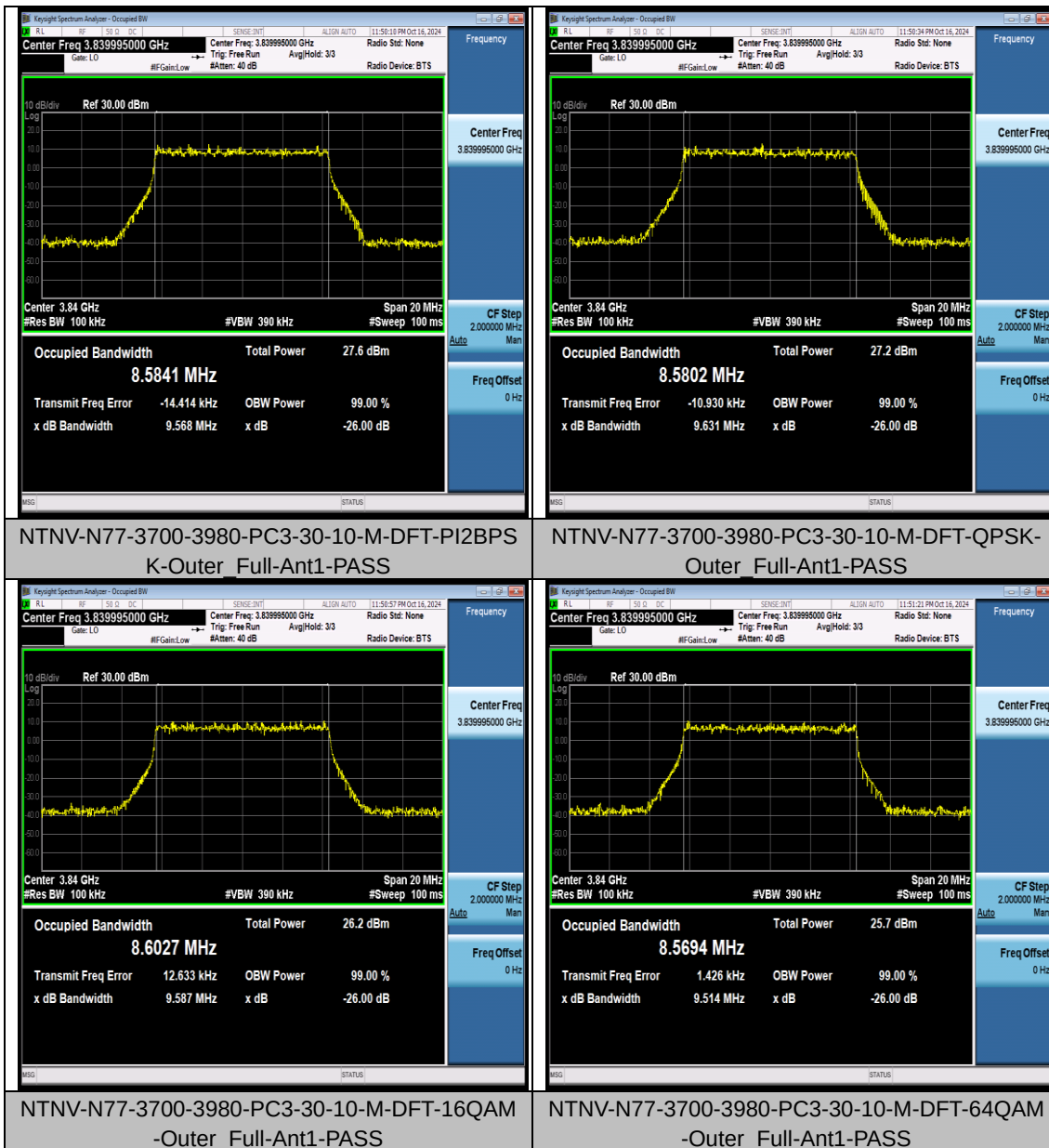


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N77-3700 -3980	30	90	DFT-256QAM	M	Outer_Full	86.518	89.54	PASS
N77-3700 -3980	30	100	DFT-PI2BPSK	M	Outer_Full	96.109	99.48	PASS
N77-3700 -3980	30	100	DFT-QPSK	M	Outer_Full	96.296	99.77	PASS
N77-3700 -3980	30	100	DFT-16QAM	M	Outer_Full	96.317	99.86	PASS
N77-3700 -3980	30	100	DFT-64QAM	M	Outer_Full	96.216	99.76	PASS
N77-3700 -3980	30	100	DFT-256QAM	M	Outer_Full	96.130	99.59	PASS

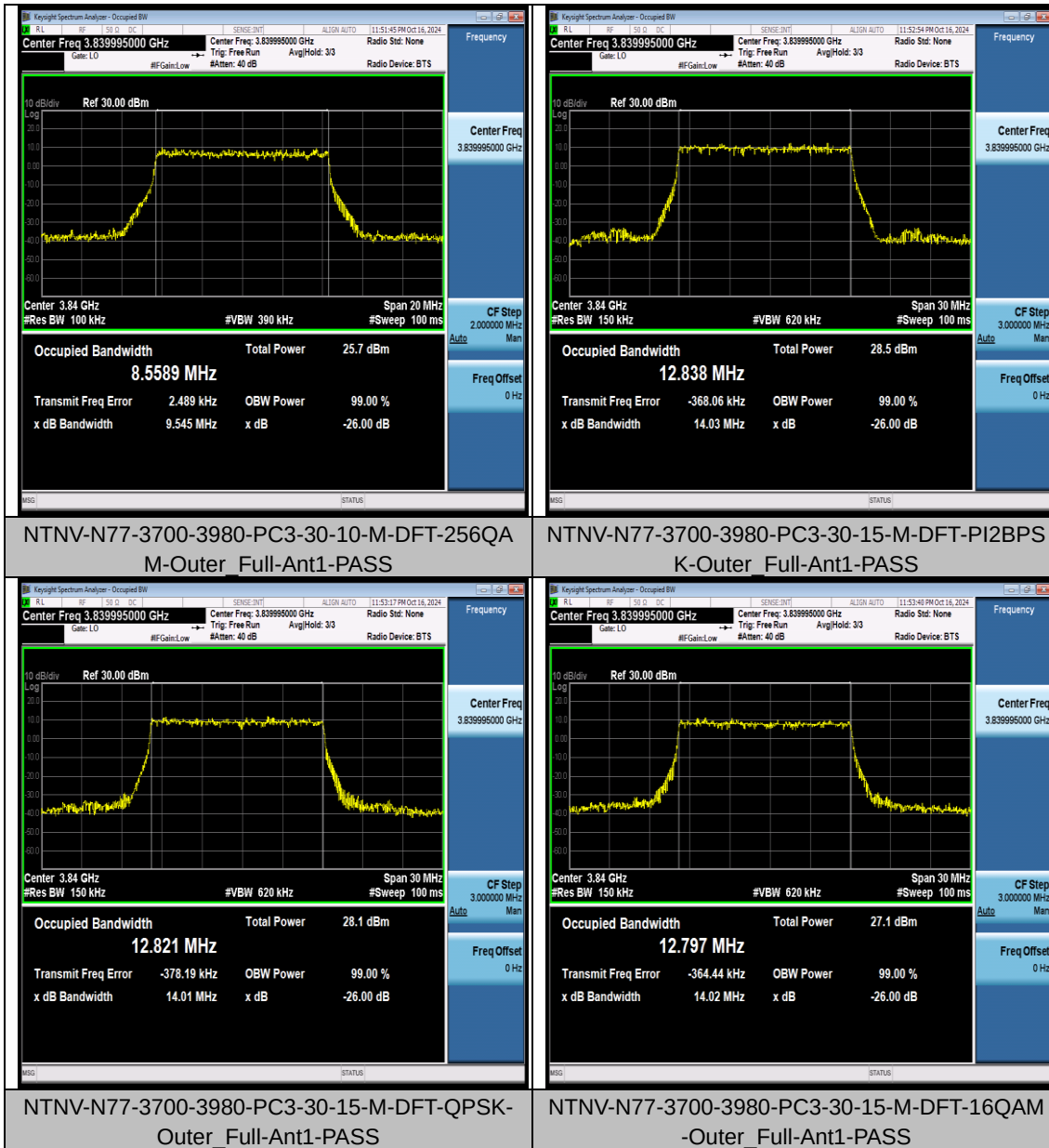
TEST GRAPHS





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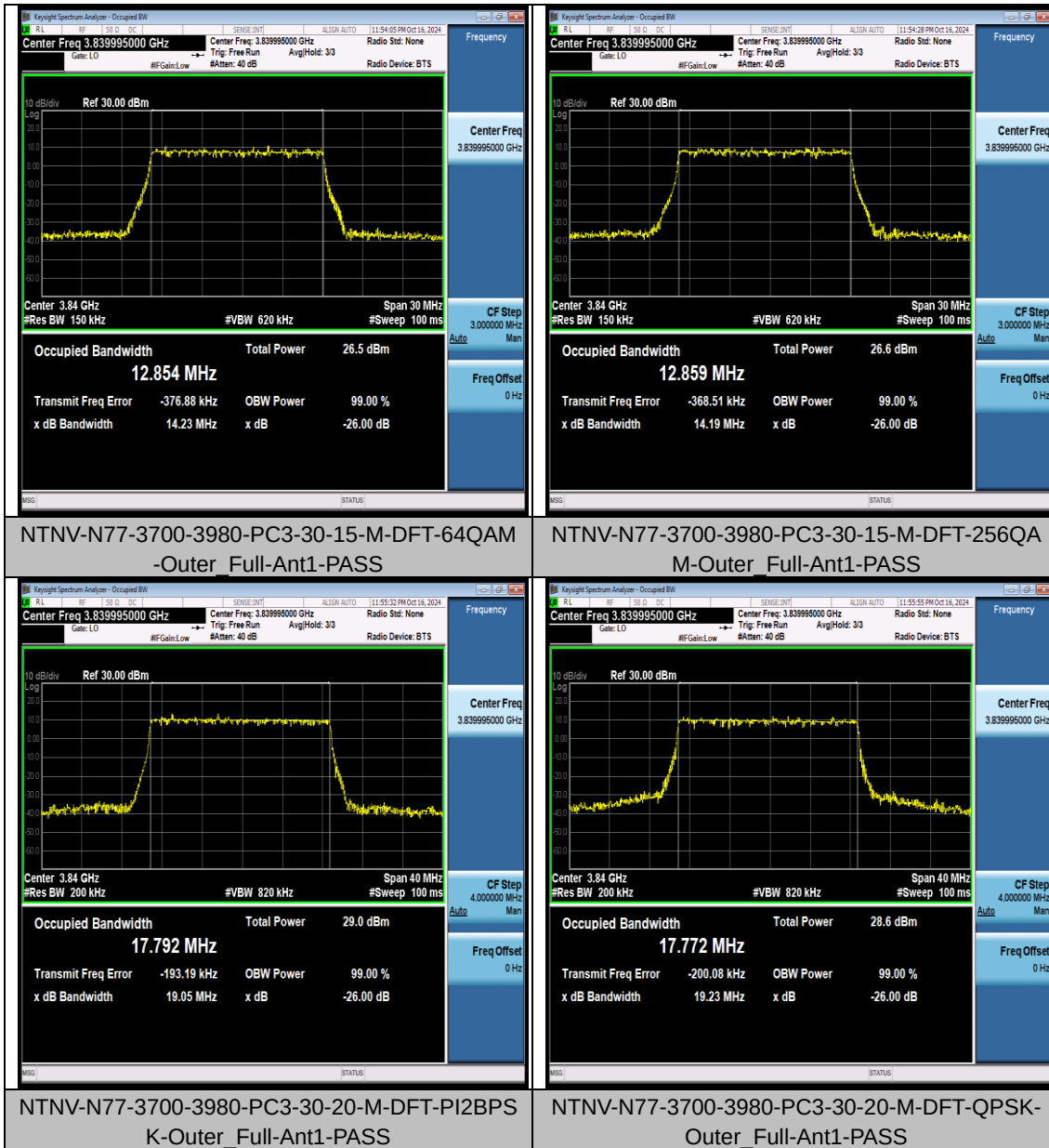
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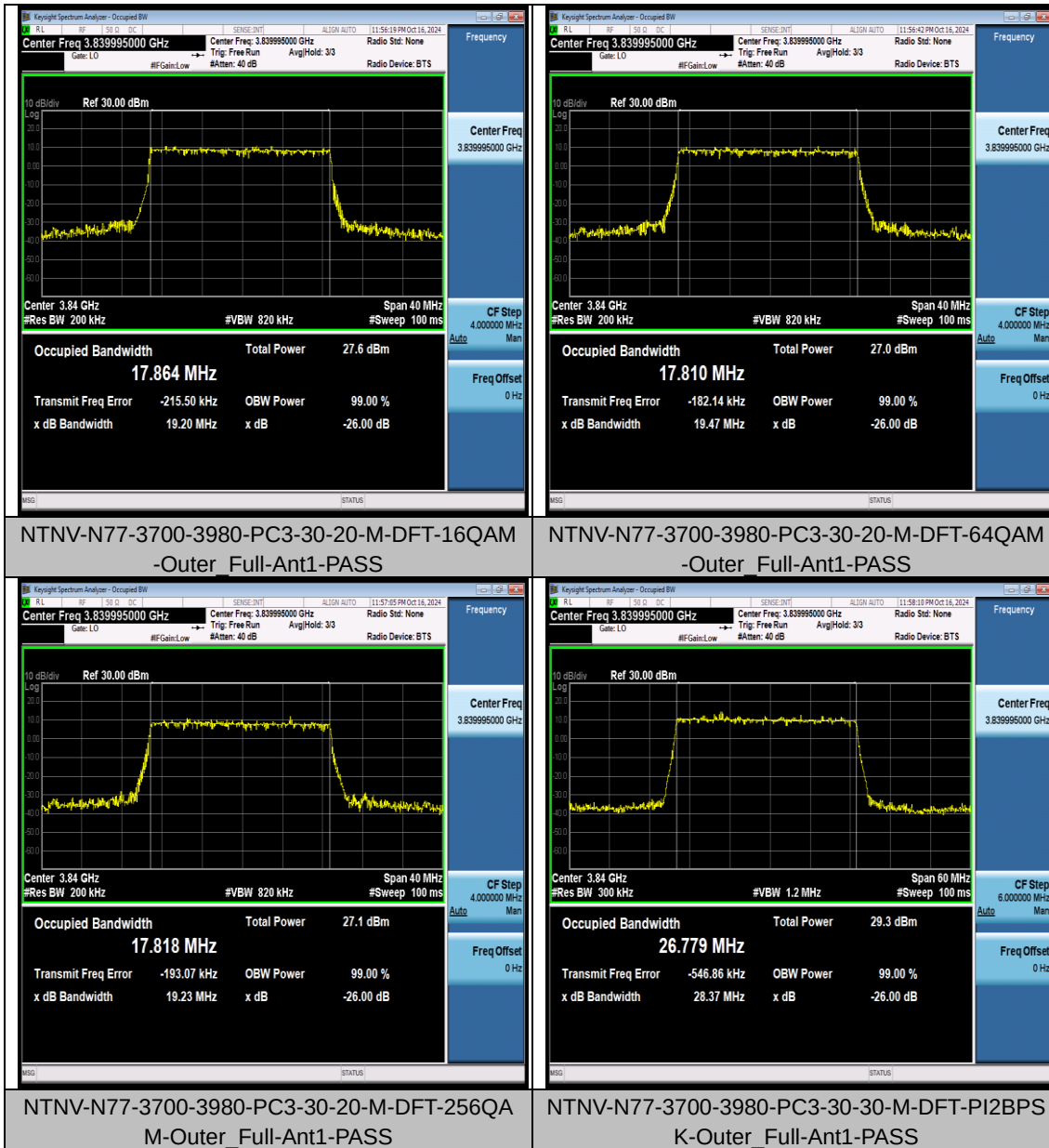
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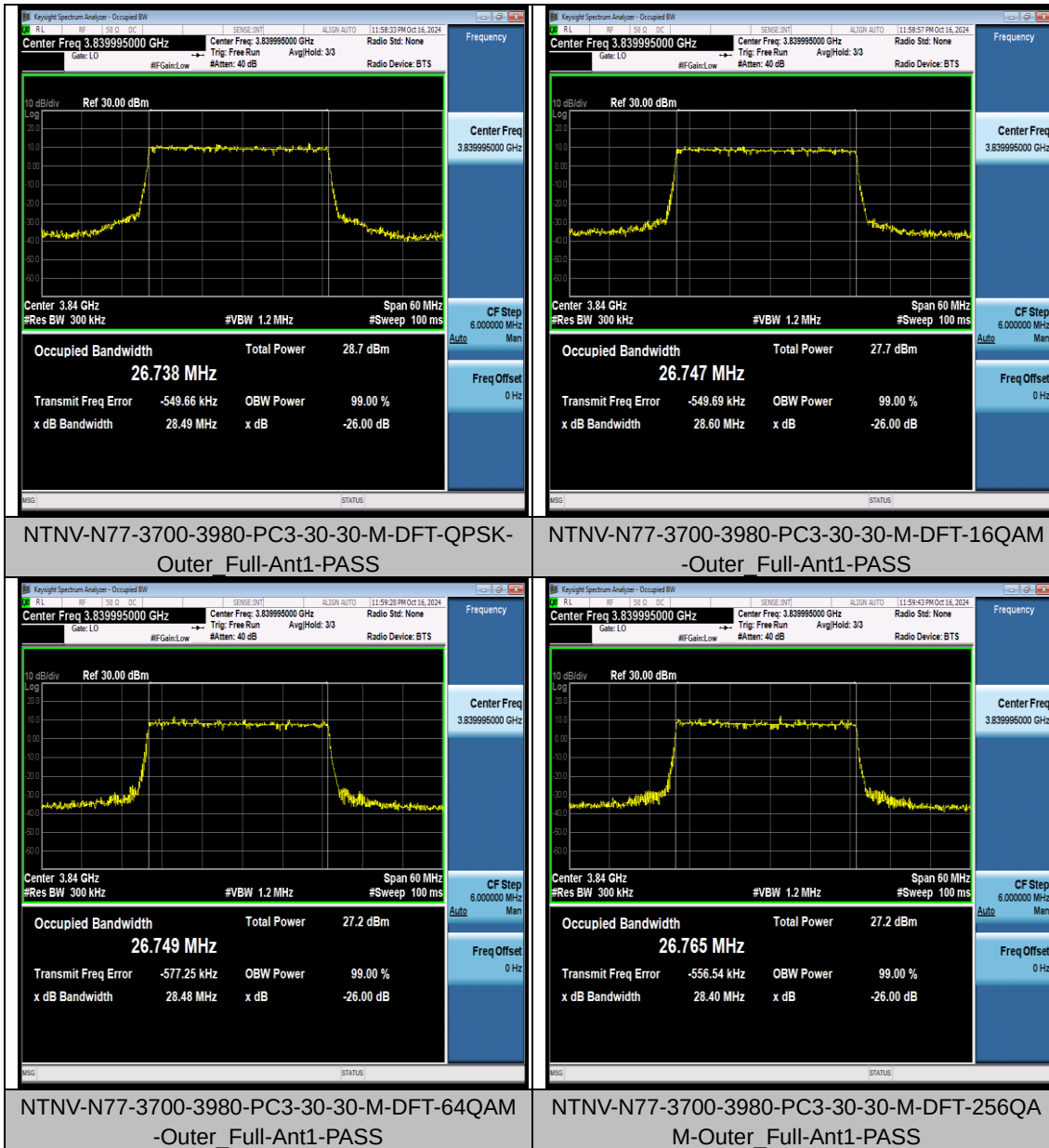
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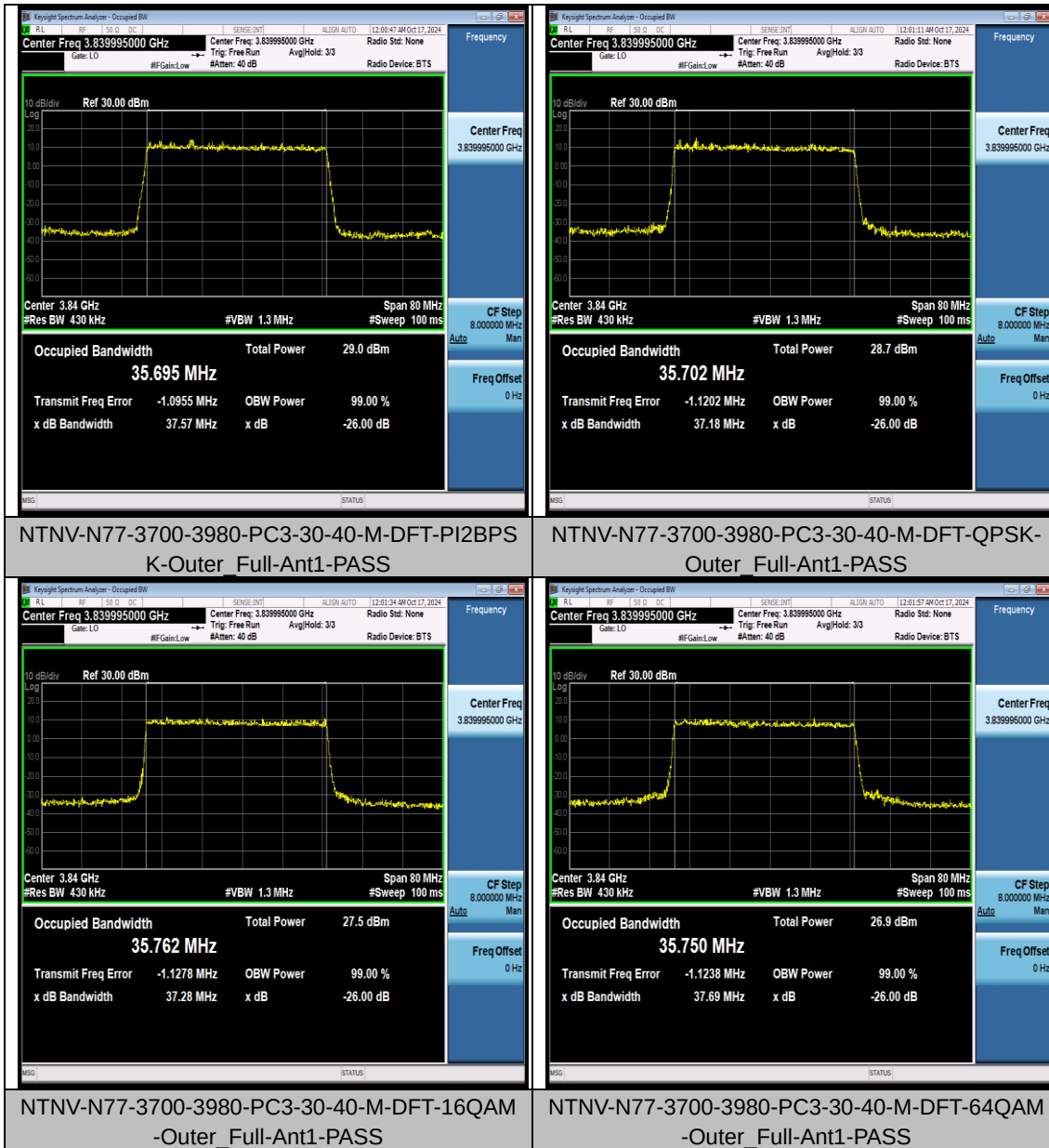
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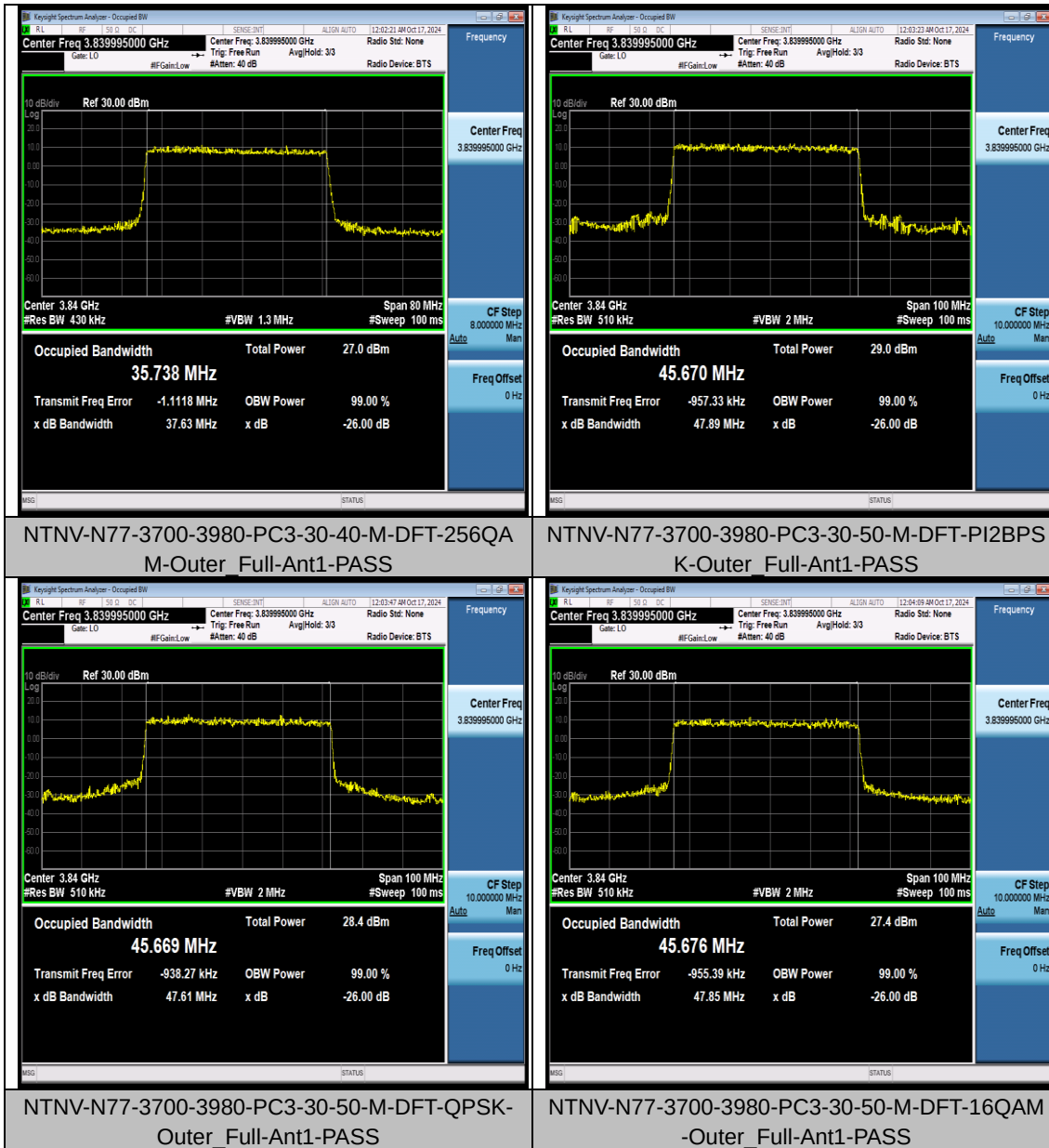
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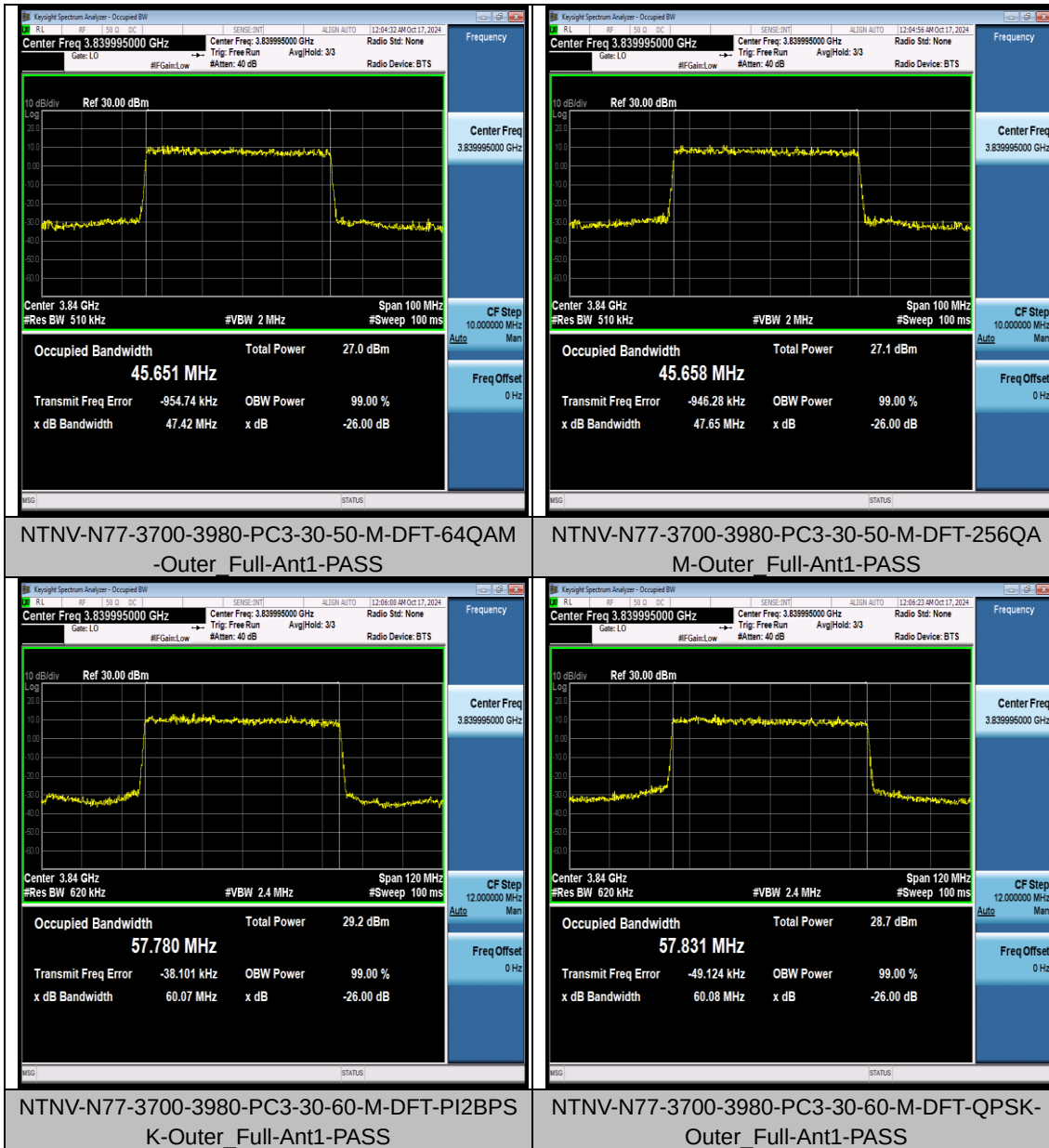
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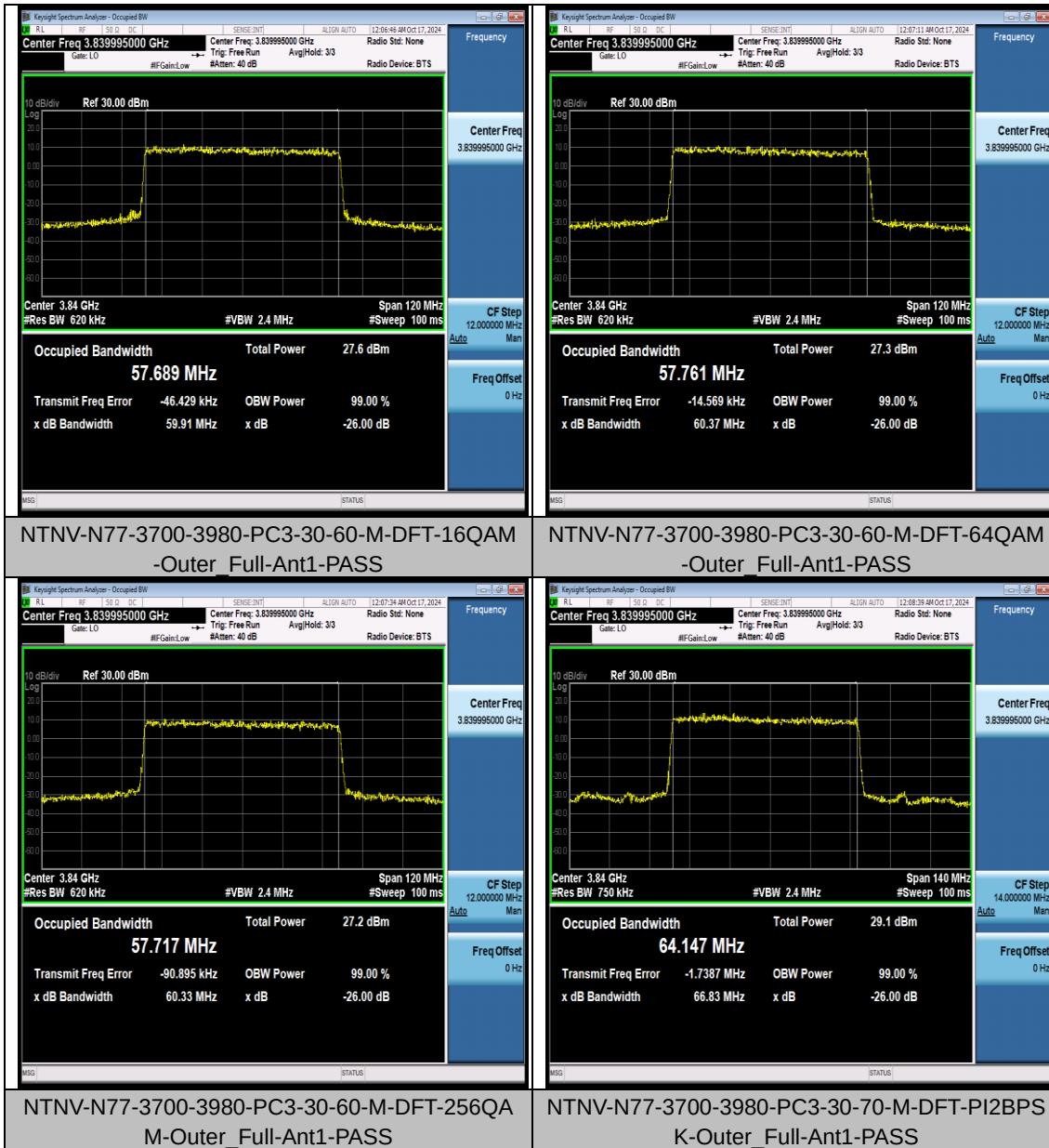
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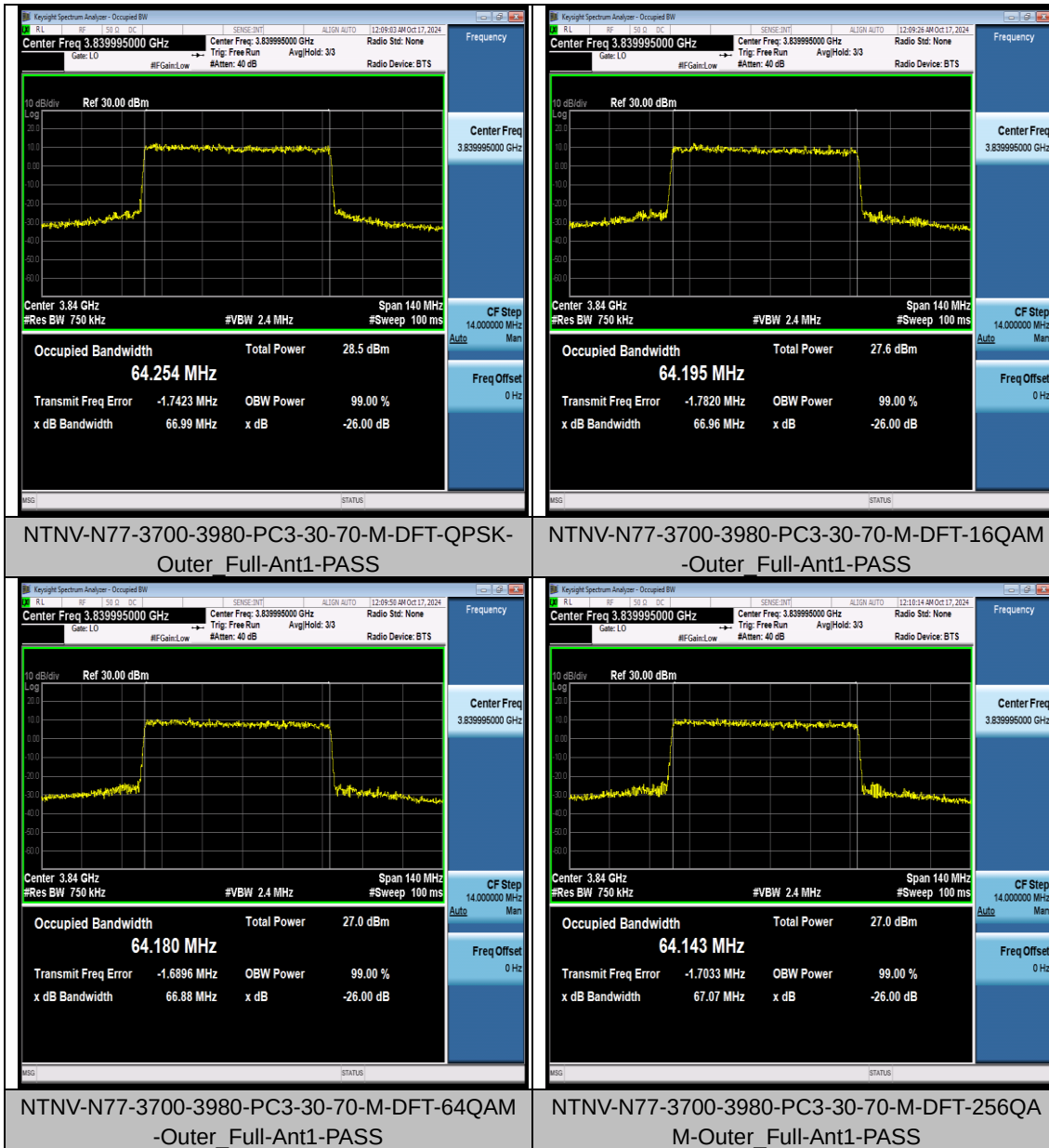
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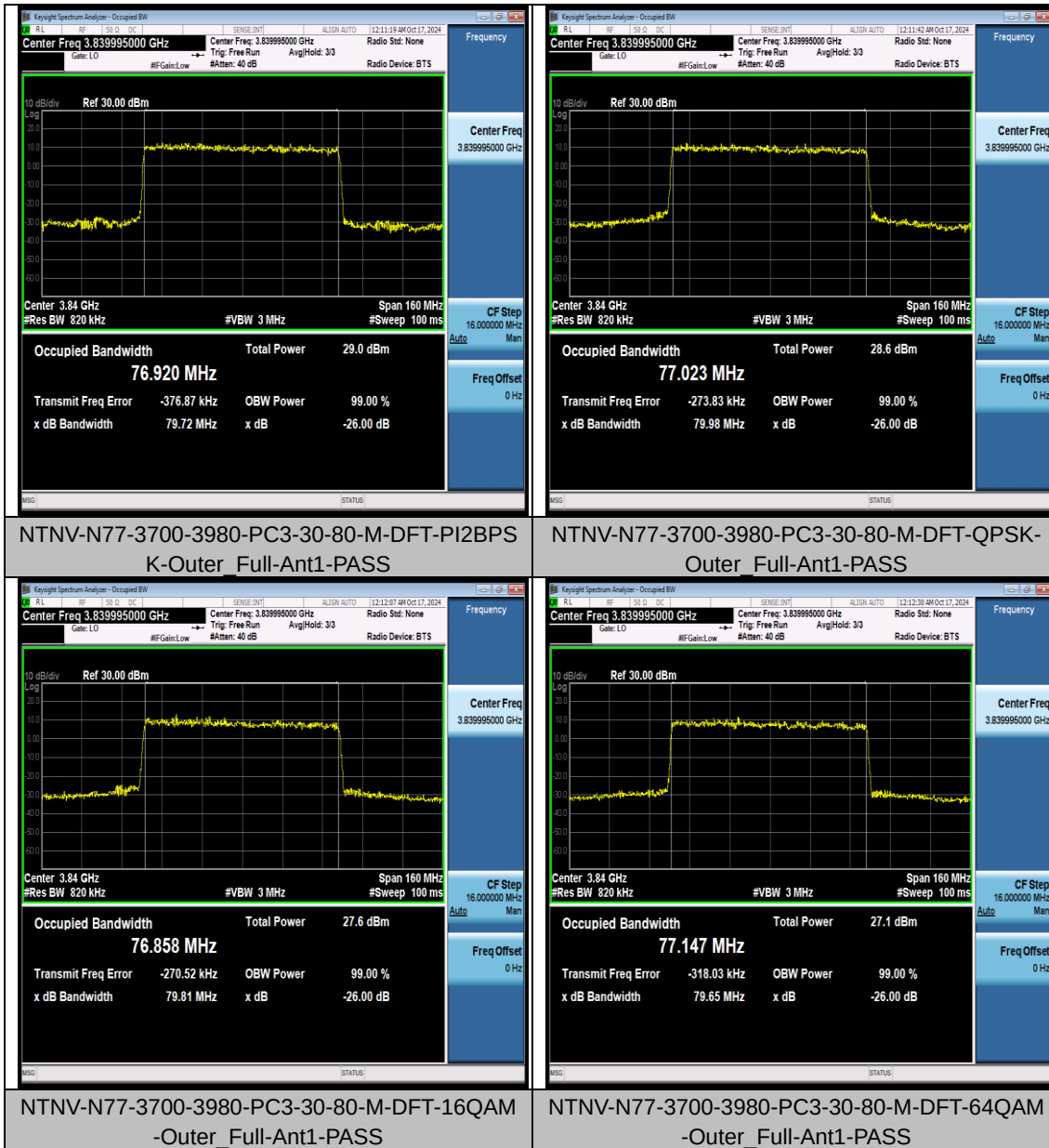
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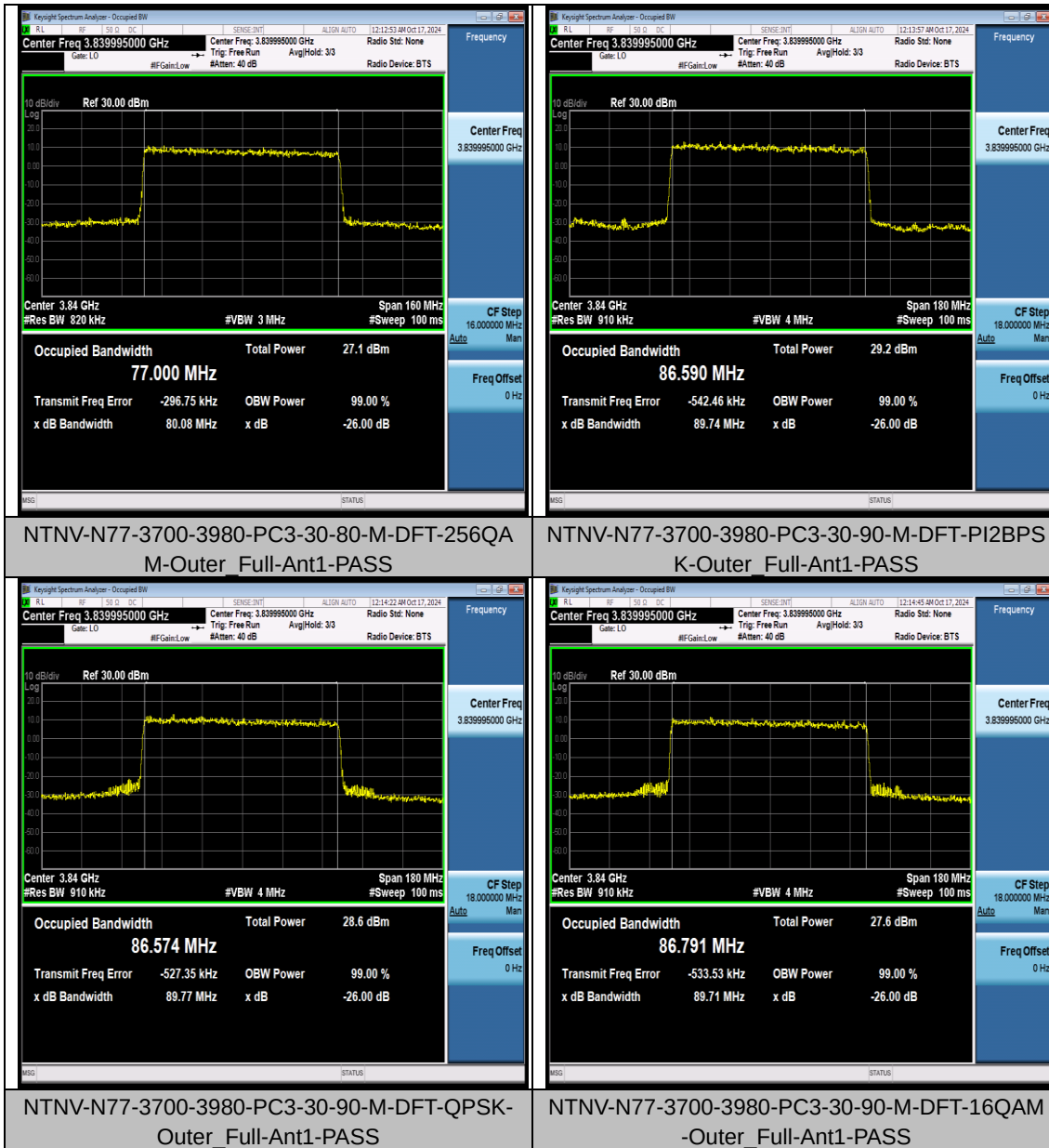
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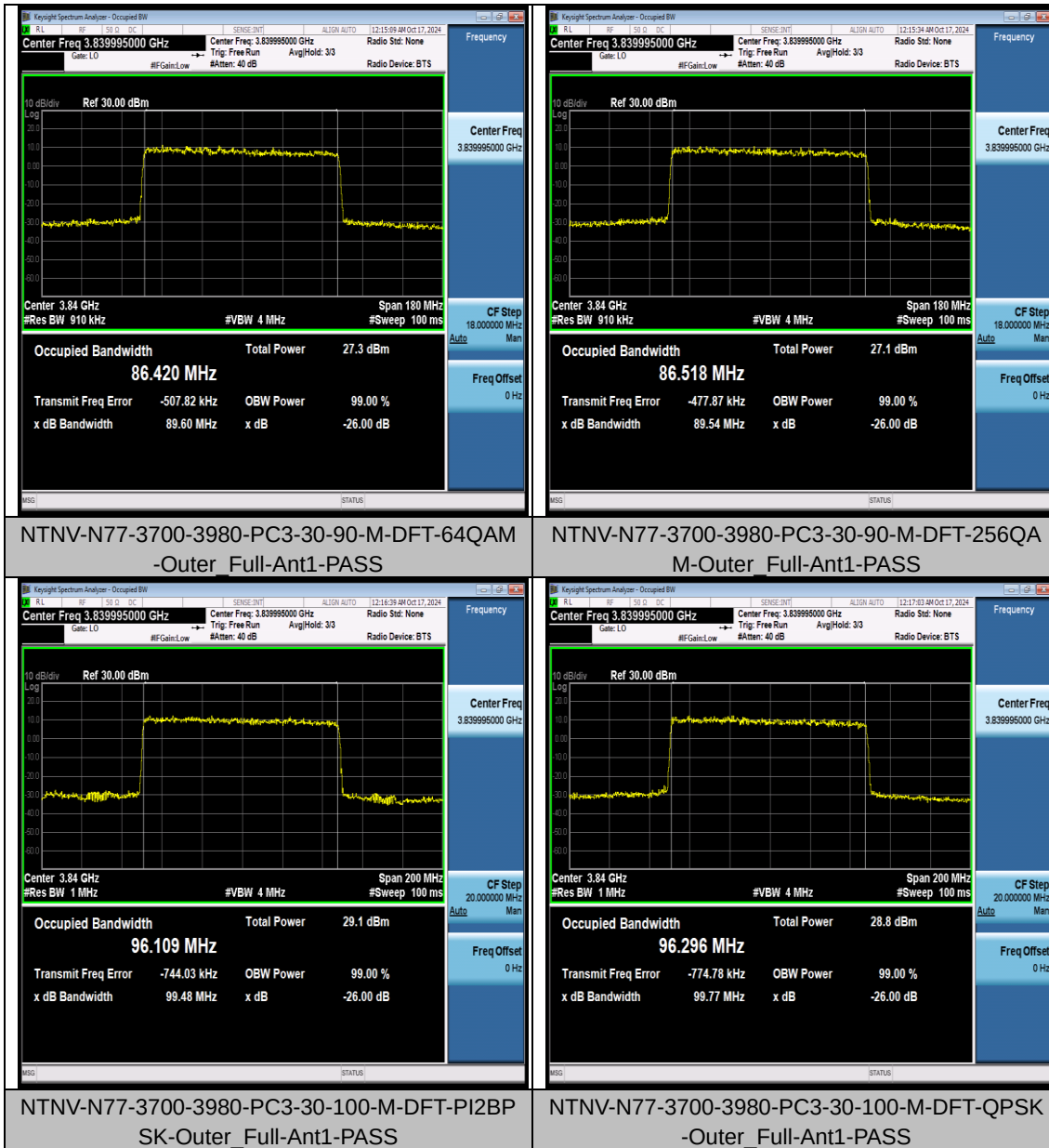
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Keysight Spectrum Analyzer - Occupied BW

RL RF 150 D DC SENSE INTI ALIGN AUTO 12:17:27 AM Oct 17, 2024 Frequency

Center Freq 3.839995000 GHz Radio Std: None

Gate: LO #F Gain: Low #Attenu: 40 dB Radio Device: BTS

10 dB/div Ref 30.00 dBm

Center 3.84 GHz Span 200 MHz

#Res BW 1 MHz #VBW 4 MHz #Sweep 100 ms

Occupied Bandwidth 96.317 MHz Total Power 27.8 dBm

Transmit Freq Error -746.51 kHz OBW Power 99.00 %

x dB Bandwidth 99.86 MHz x dB -26.00 dB

MAG STATUS

Keysight Spectrum Analyzer - Occupied BW

Center Freq: 3.839995000 GHz
 Gate: LO
 #Fmts: Low
 SENSE INT
 Center Freq: 3.839995000 GHz
 Trig: Free Run
 #Atten: 40 dB
 ALISON AUTO
 12:17:51 AM Oct 17, 2024
 Radio Std: None
 Radio Device: BTS

10 dB/div
 Log
 Ref 30.00 dBm

Center 3.84 GHz
 #Res BW 1 MHz
 #VBW 4 MHz
 Span 200 MHz
 #Sweep 100 ms

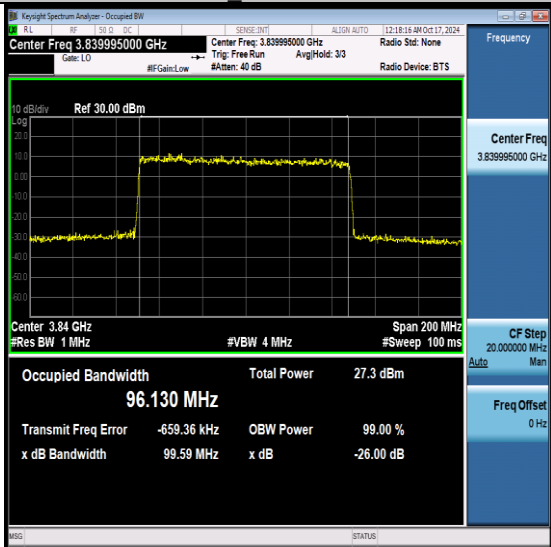
Occupied Bandwidth 96.216 MHz
 Total Power 27.2 dBm

Transmit Freq Error -726.60 kHz
 OBW Power 99.00 %
 x dB Bandwidth 99.76 MHz
 x dB -26.00 dB

Frequency
 Center Freq 3.839995000 GHz
 CF Step 20.000000 MHz
 Auto Man
 Freq Offset 0 Hz

MISC STATUS

NTNV-N77-3700-3980-PC3-30-100-M-DFT-64QA
M-Outer Full-Ant1-PASS

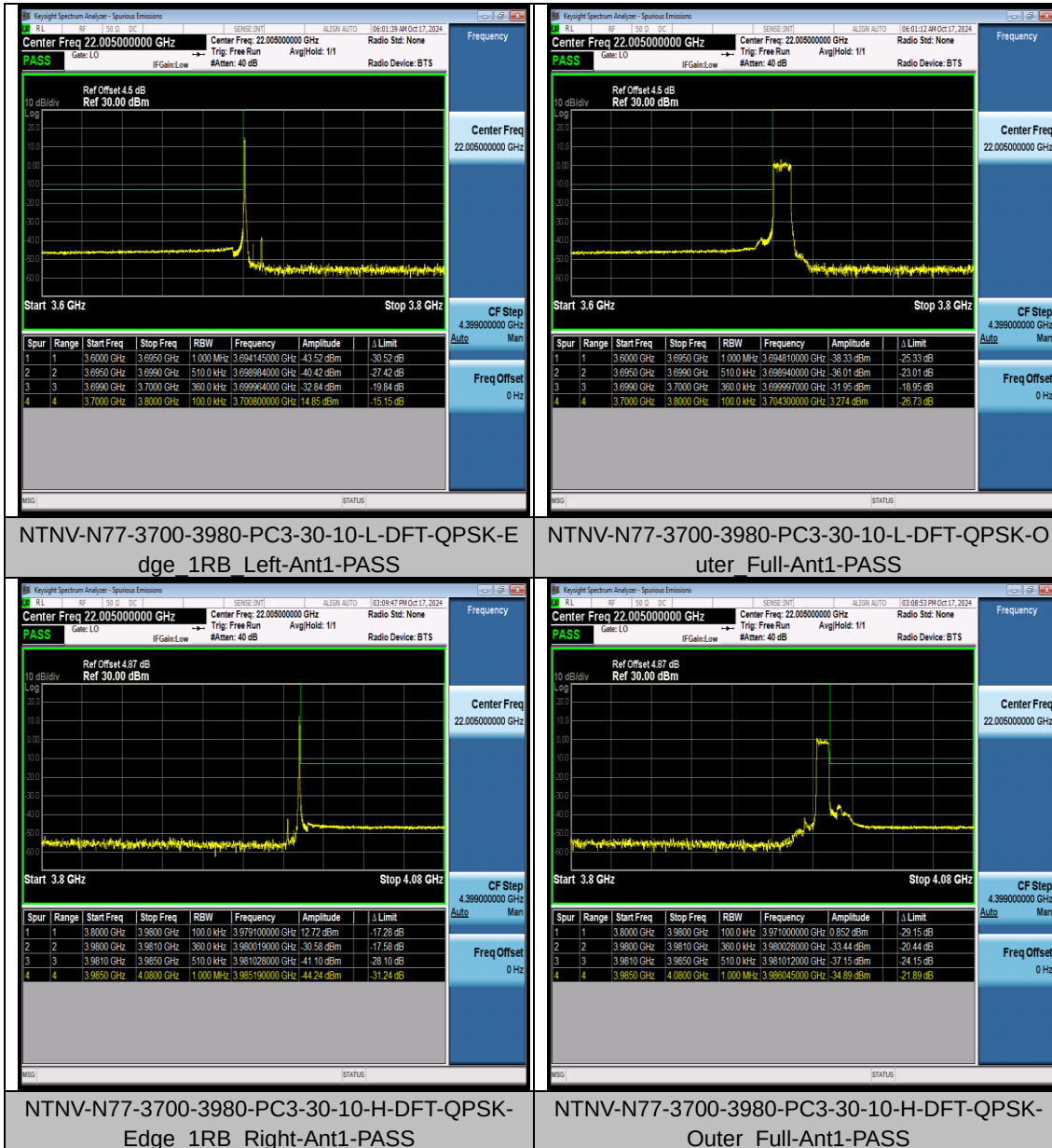


NTNV-N77-3700-3980-PC3-30-100-M-DFT-256Q
AM-Outer Full-Ant1-PASS

BAND EDGE FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	10	DFT-QPSK	L	Edge_1RB_Left	-32.84	PASS
N77-3700-3980	30	10	DFT-QPSK	L	Outer_Full	-31.95	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Edge_1RB_Right	-30.58	PASS
N77-3700-3980	30	10	DFT-QPSK	H	Outer_Full	-33.44	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Edge_1RB_Left	-32.55	PASS
N77-3700-3980	30	60	DFT-QPSK	L	Outer_Full	-39.05	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Edge_1RB_Right	-31.91	PASS
N77-3700-3980	30	60	DFT-QPSK	H	Outer_Full	-39.19	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Edge_1RB_Left	-33.91	PASS
N77-3700-3980	30	100	DFT-QPSK	L	Outer_Full	-39.36	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Edge_1RB_Right	-31.91	PASS
N77-3700-3980	30	100	DFT-QPSK	H	Outer_Full	-39.51	PASS

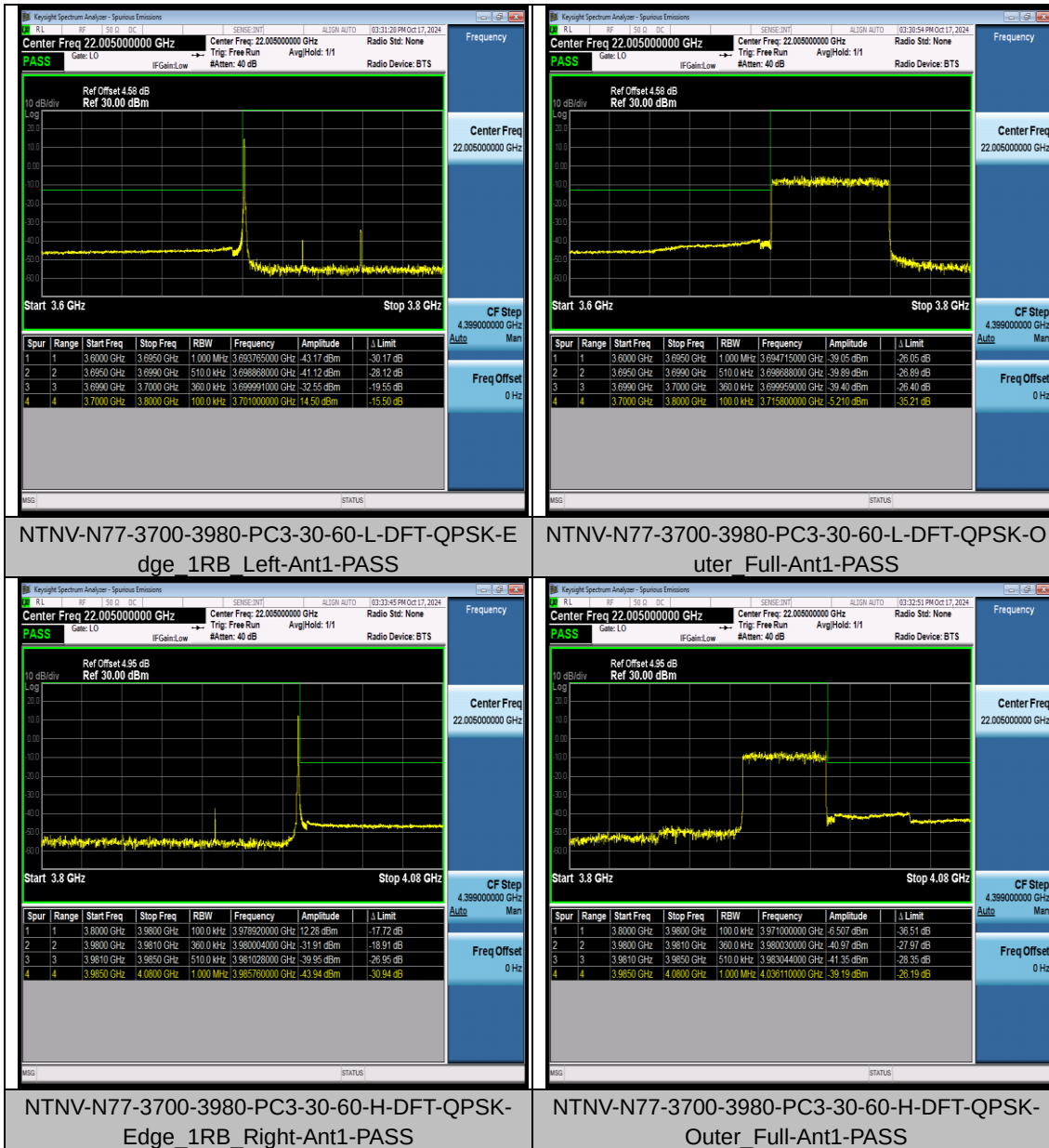
TEST GRAPHS





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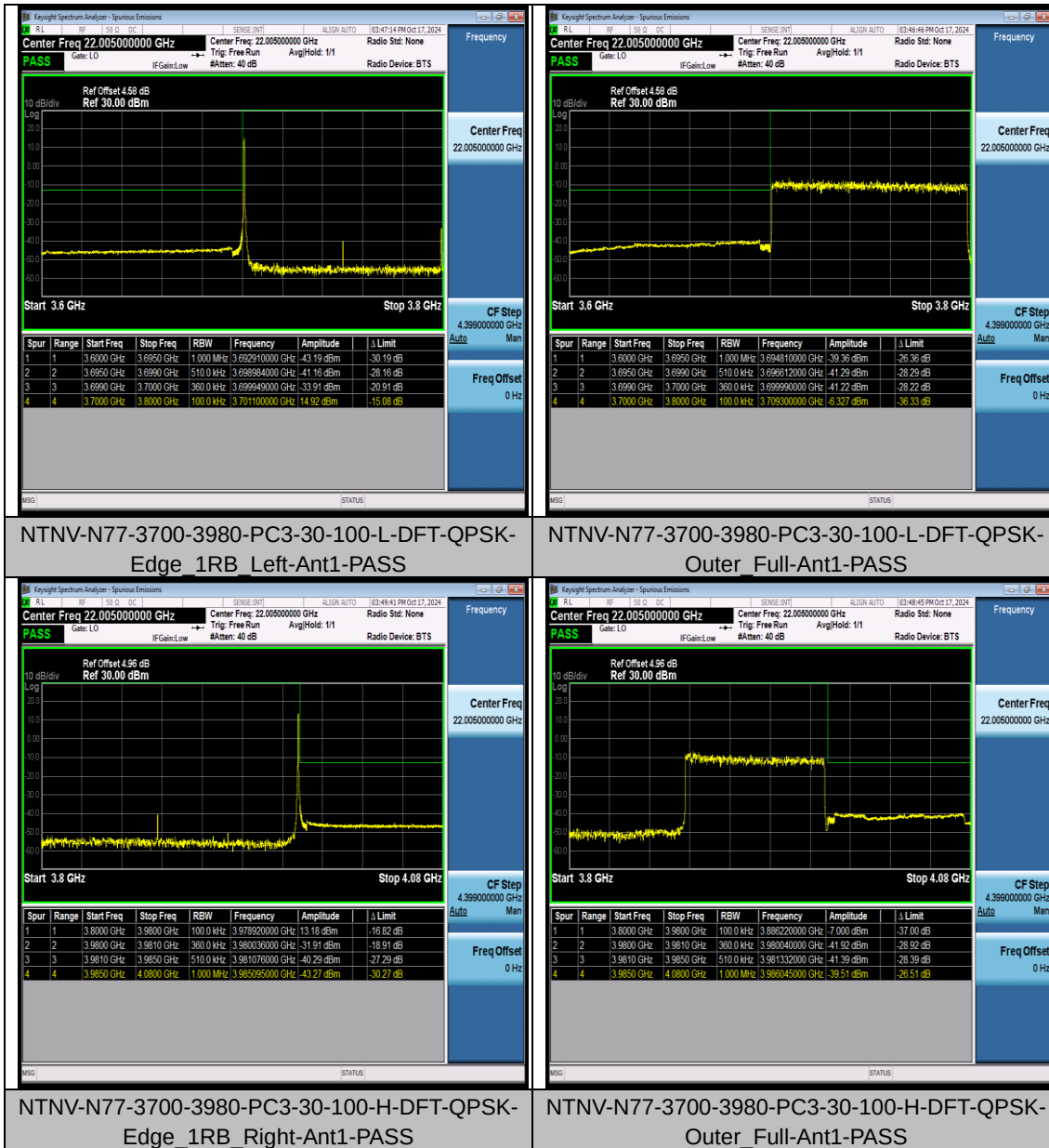
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CONDUCTED SPURIOUS EMISSION FOR SA TEST RESULT

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N77-3 700-39 80	30	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-47.48	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	L	Edge_1RB_Left	1000	10000	-39.07	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	L	Edge_1RB_Left	10000	20000	-56.00	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	L	Edge_1RB_Left	20000	40000	-55.77	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-47.59	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	M	Edge_1RB_Left	1000	10000	-39.63	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	M	Edge_1RB_Left	10000	20000	-56.03	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	M	Edge_1RB_Left	20000	40000	-55.78	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-47.86	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	H	Edge_1RB_Left	1000	10000	-39.76	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	H	Edge_1RB_Left	10000	20000	-56.41	-13	PASS
N77-3 700-39 80	30	10	DFT-QPSK	H	Edge_1RB_Left	20000	40000	-55.29	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.23	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	L	Edge_1RB_Left	1000	10000	-39.06	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	L	Edge_1RB_Left	10000	20000	-56.33	-13	PASS



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N77-3 700-39 80	30	60	DFT-QPSK	L	Edge_1RB_Left	20000	40000	-55.70	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.43	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	M	Edge_1RB_Left	1000	10000	-39.06	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	M	Edge_1RB_Left	10000	20000	-55.72	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	M	Edge_1RB_Left	20000	40000	-55.40	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.49	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	H	Edge_1RB_Left	1000	10000	-39.35	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	H	Edge_1RB_Left	10000	20000	-56.49	-13	PASS
N77-3 700-39 80	30	60	DFT-QPSK	H	Edge_1RB_Left	20000	40000	-55.72	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	30	1000	-47.81	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	1000	10000	-39.15	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	10000	20000	-55.93	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	L	Edge_1RB_Left	20000	40000	-55.80	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-47.58	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	10000	-39.62	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	10000	20000	-56.47	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	M	Edge_1RB_Left	20000	40000	-55.67	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	30	1000	-47.87	-13	PASS

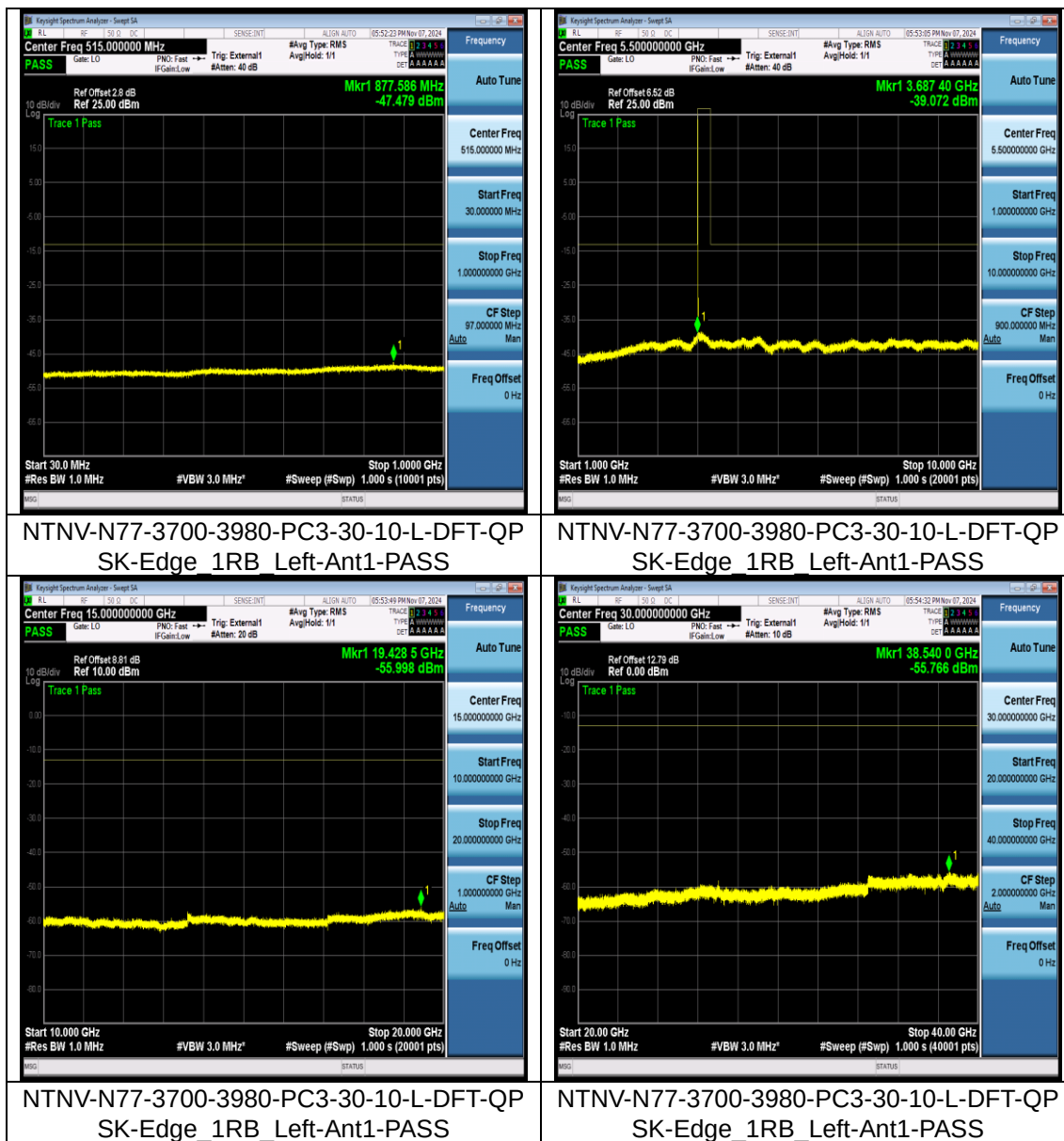


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N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	1000	10000	-39.71	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	10000	20000	-55.70	-13	PASS
N77-3 700-39 80	30	100	DFT-QPSK	H	Edge_1RB_Left	20000	40000	-55.27	-13	PASS

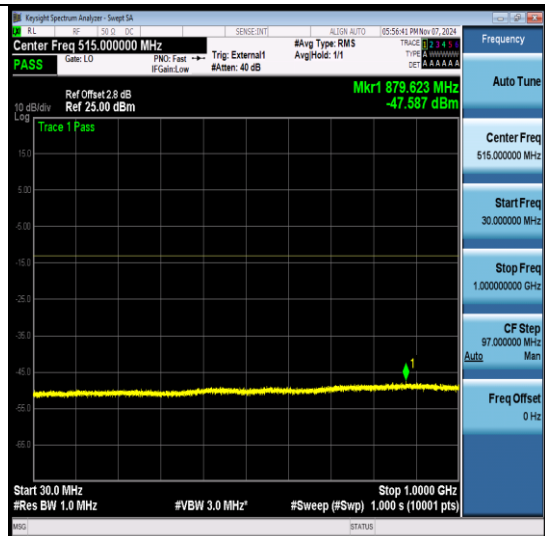
TEST GRAPHS



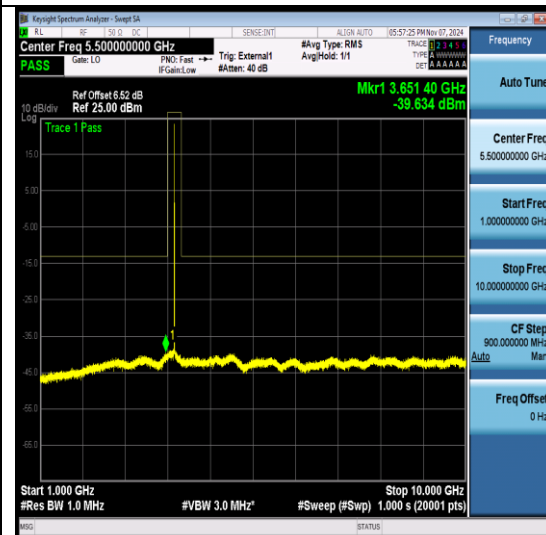


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NTNV-N77-3700-3980-PC3-30-10-M-DFT-Q
PSK-Edge_1RB_Left-Ant1-PASS



NTNV-N77-3700-3980-PC3-30-10-M-DFT-Q
PSK-Edge_1RB_Left-Ant1-PASS



NTNV-N77-3700-3980-PC3-30-10-M-DFT-Q
PSK-Edge_1RB_Left-Ant1-PASS

