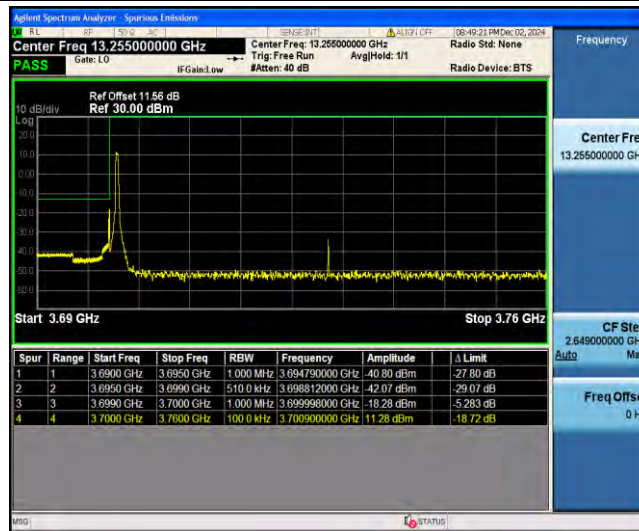
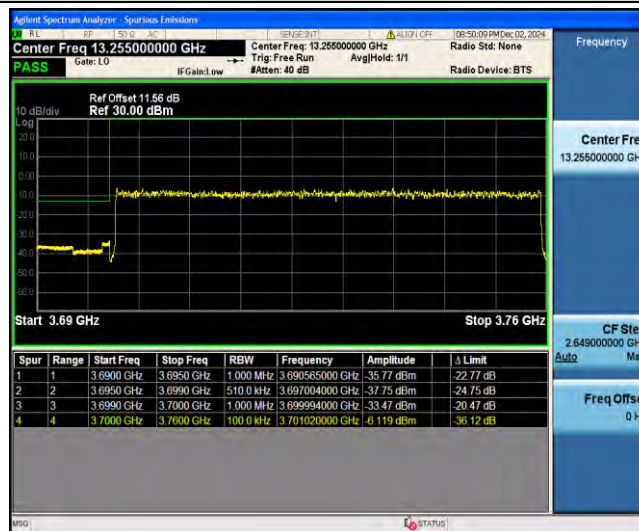
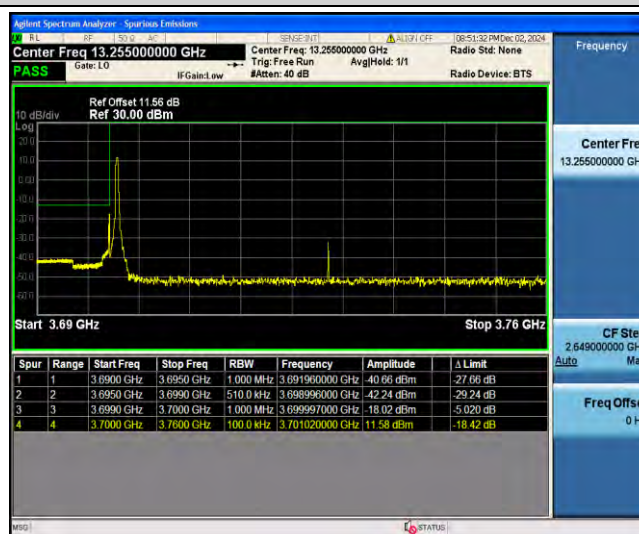




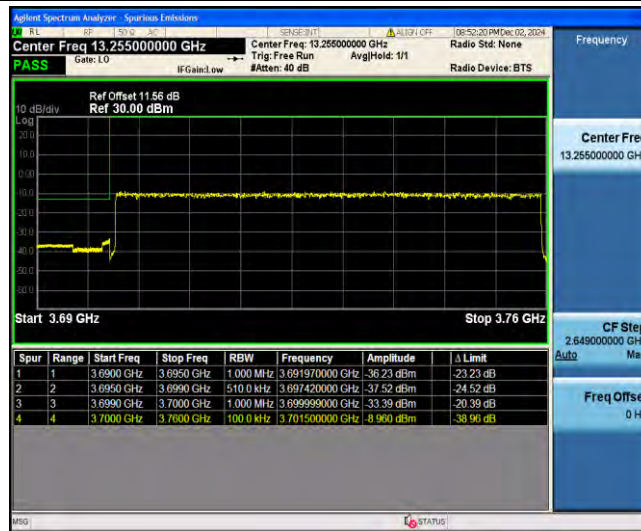
1-N78-3700-3800-PC2-30-60-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-5.28--18.28-PASS



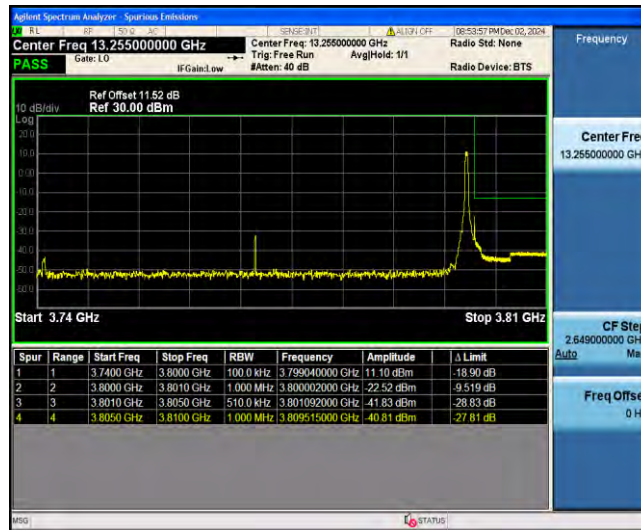
1-N78-3700-3800-PC2-30-60-L-3-DFT-QPSK-Outer_Full-162@0-Ant7-3699.99-20.47--33.47-PASS



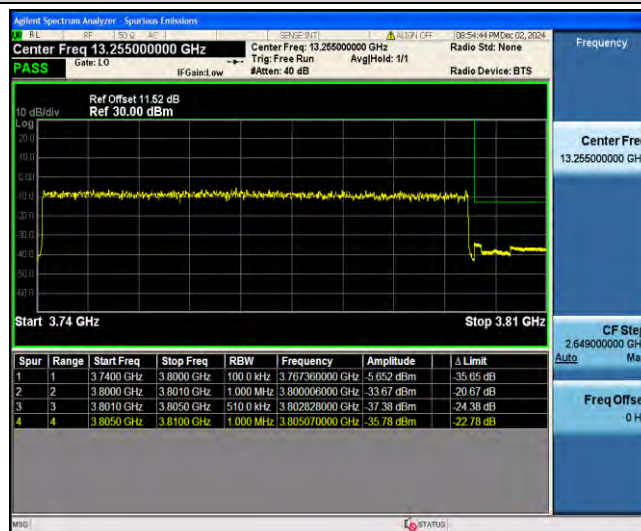
1-N78-3700-3800-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-5.02--18.02-PASS



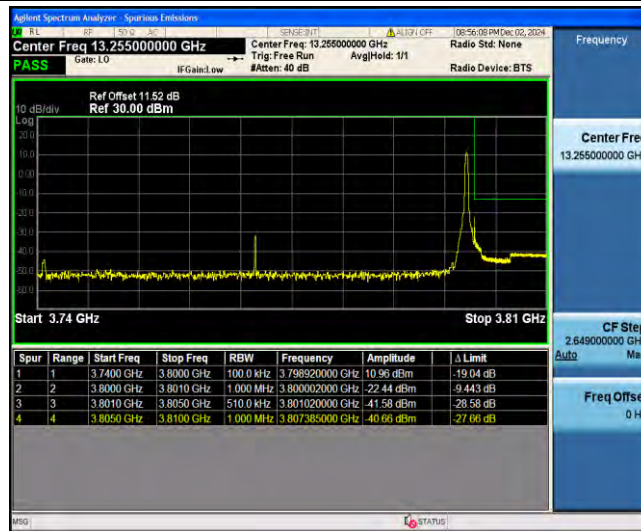
1-N78-3700-3800-PC2-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant7-3700.00-20.39--33.39-PASS



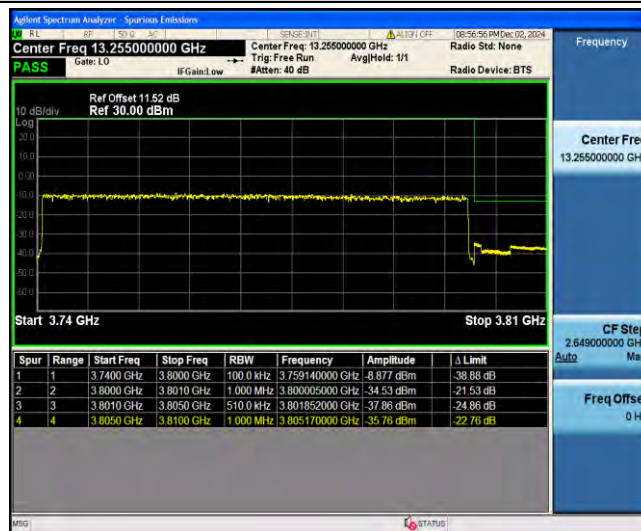
1-N78-3700-3800-PC2-30-60-H-2-DFT-QPSK-Edge_1RB_Right-1@161-Ant7-3800.00-9.52--22.52-PASS



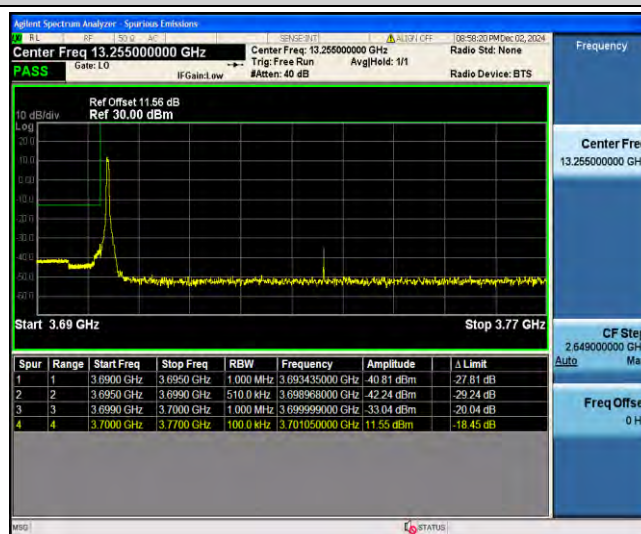
1-N78-3700-3800-PC2-30-60-H-3-DFT-QPSK-Outer_Full-162@0-Ant7-3800.01-20.67--33.67-PASS



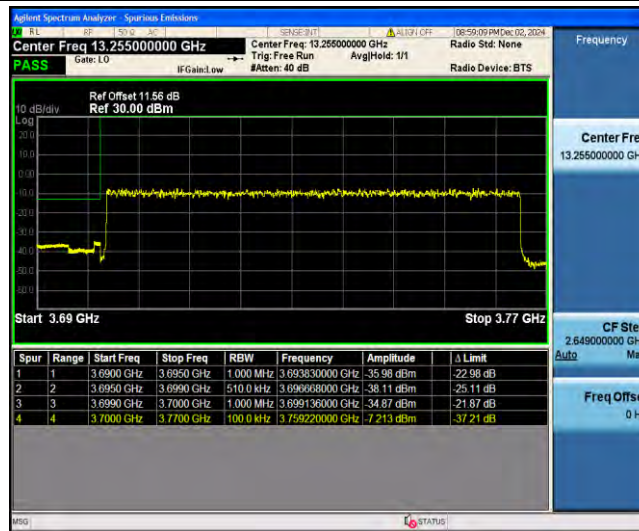
1-N78-3700-3800-PC2-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant7-3800.00-9.44--22.44-PASS



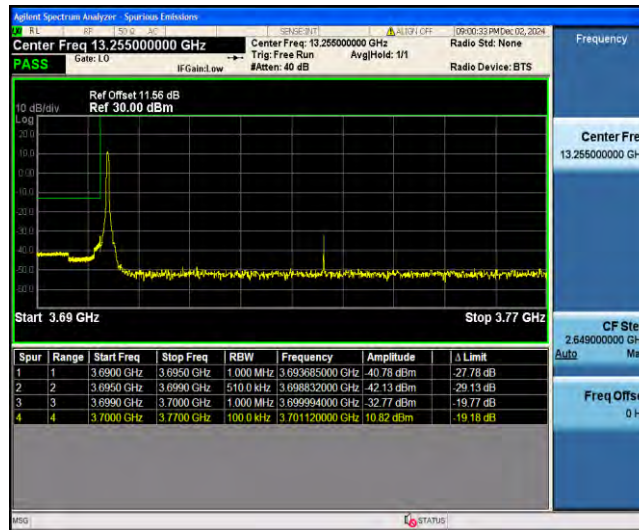
1-N78-3700-3800-PC2-30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant7-3800.01-21.53--34.53-PASS



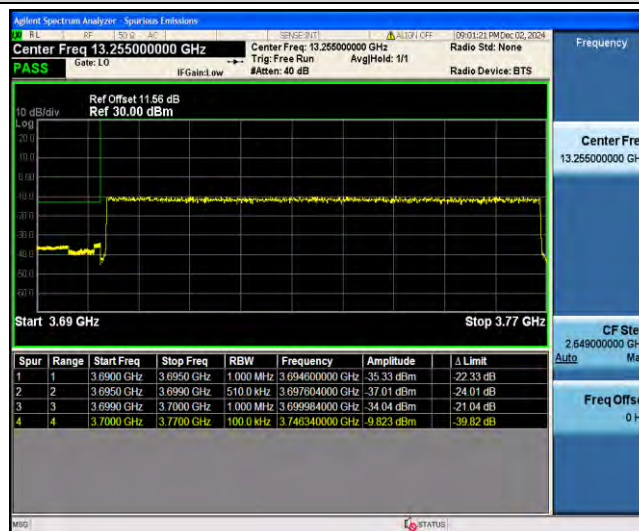
1-N78-3700-3800-PC2-30-70-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-20.04--33.04-PASS



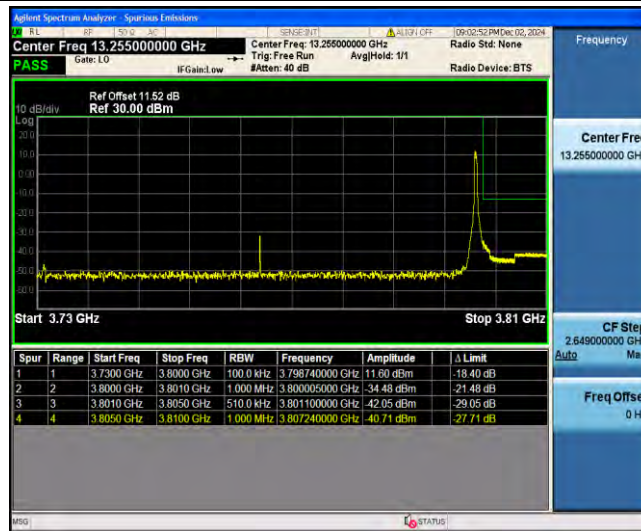
1-N78-3700-3800-PC2-30-70-L-3-DFT-QPSK-Outer_Full-180@0-Ant7-3699.14-21.87--34.87-PASS



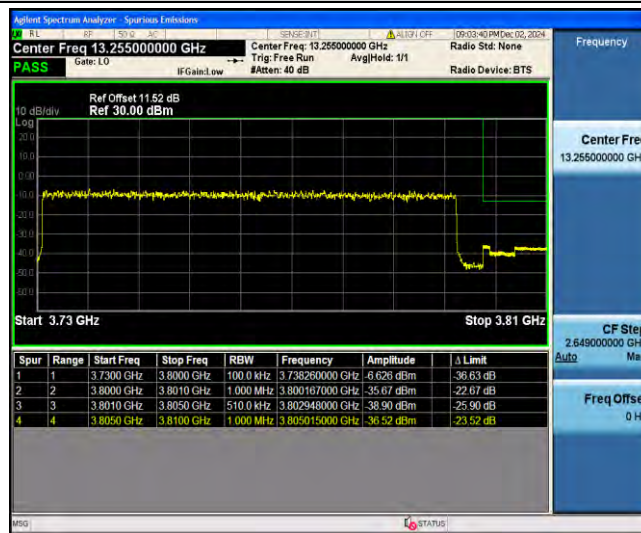
1-N78-3700-3800-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant7-3699.99-19.77--32.77-PASS



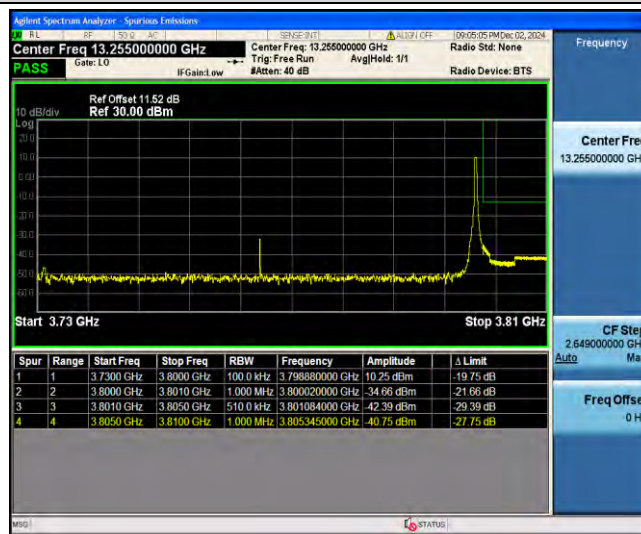
1-N78-3700-3800-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant7-3699.98-21.04--34.04-PASS



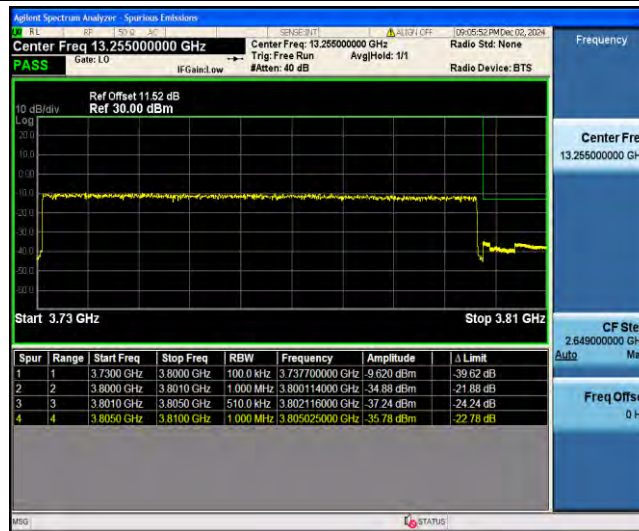
1-N78-3700-3800-PC2-30-70-H-2-DFT-QPSK-Edge_1RB_Right-1@188-Ant7-3800.01-21.48--34.48-PASS



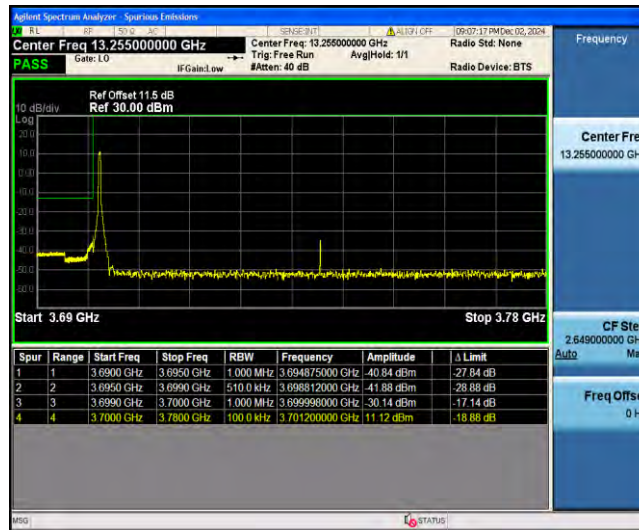
1-N78-3700-3800-PC2-30-70-H-3-DFT-QPSK-Outer_Full-180@0-Ant7-3800.17-22.67--35.67-PASS



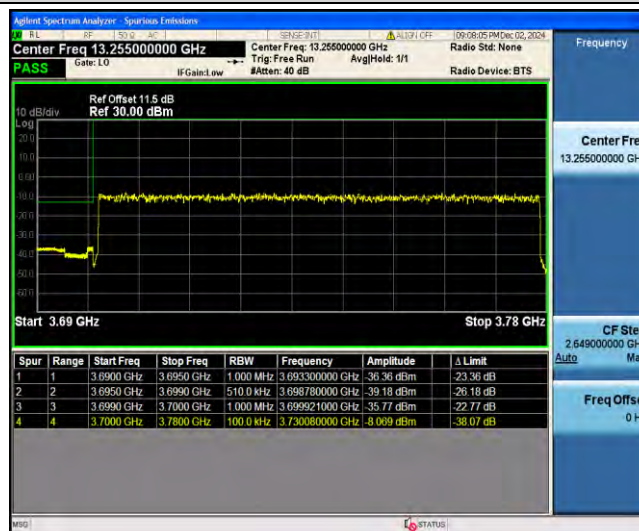
1-N78-3700-3800-PC2-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant7-3800.02-21.66--34.66-PASS



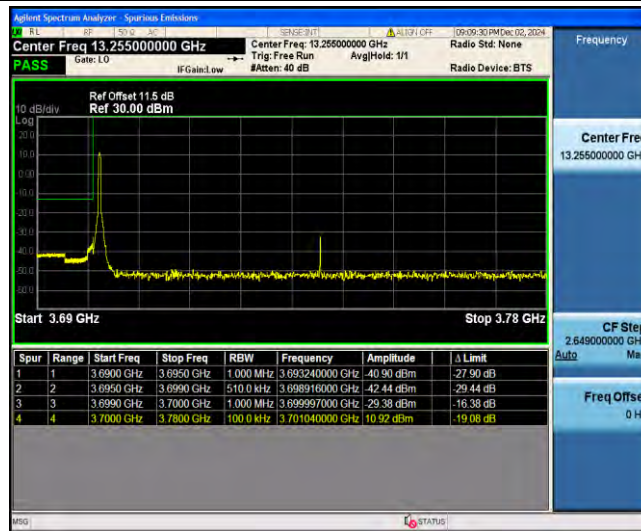
1-N78-3700-3800-PC2-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant7-3800.11-21.88--34.88-PASS



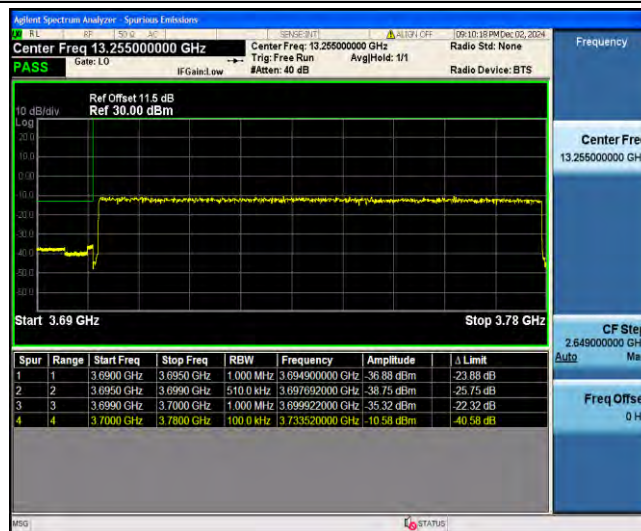
1-N78-3700-3800-PC2-30-80-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-17.14--30.14-PASS



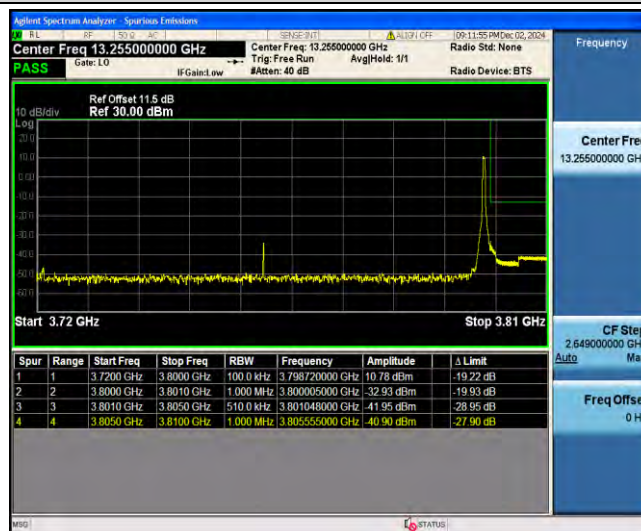
1-N78-3700-3800-PC2-30-80-L-3-DFT-QPSK-Outer_Full-216@0-Ant7-3699.92-22.77--35.77-PASS



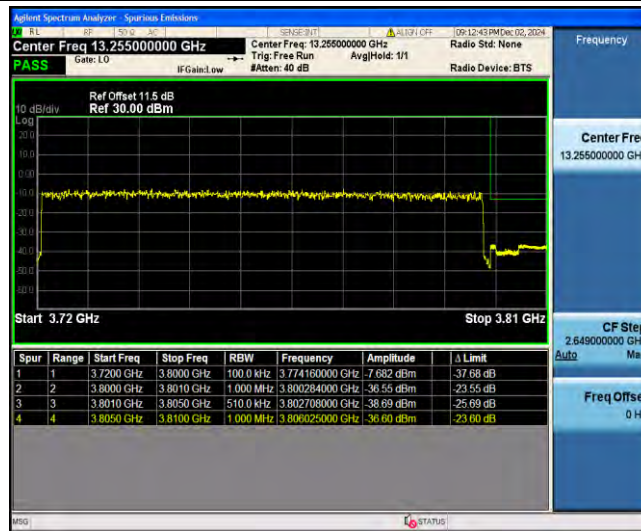
1-N78-3700-3800-PC2-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-16.38--29.38-PASS



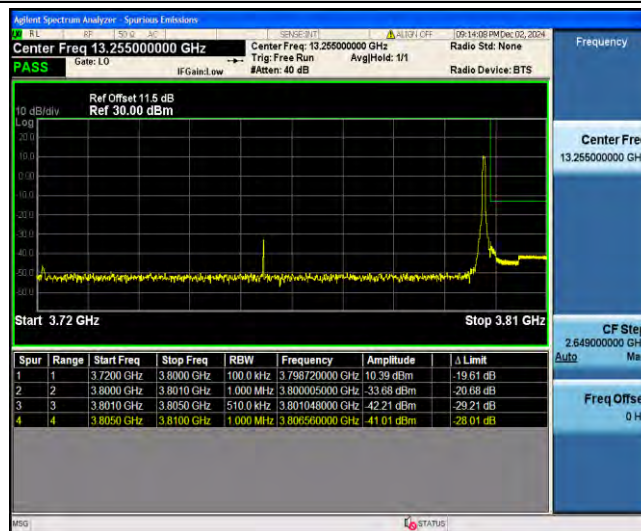
1-N78-3700-3800-PC2-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant7-3699.92-22.32--35.32-PASS



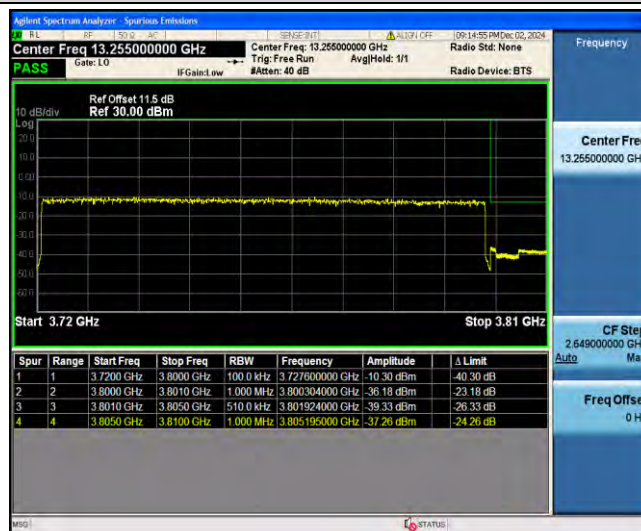
1-N78-3700-3800-PC2-30-80-H-2-DFT-QPSK-Edge_1RB_Right-1@216-Ant7-3800.01-19.93--32.93-PASS



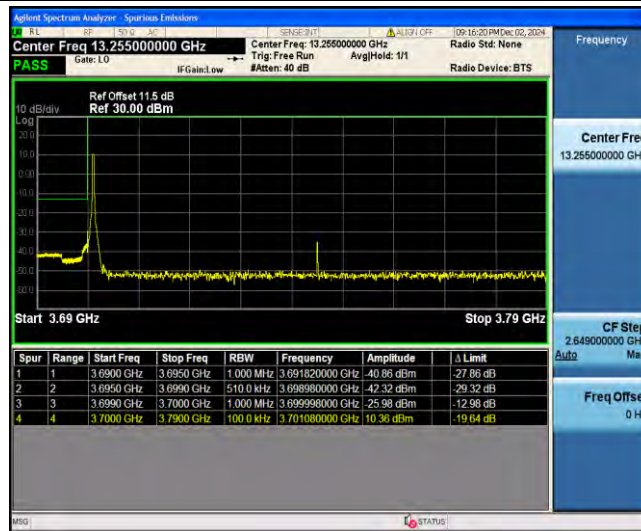
1-N78-3700-3800-PC2-30-80-H-3-DFT-QPSK-Outer_Full-216@0-Ant7-3800.28-23.55--36.55-PASS



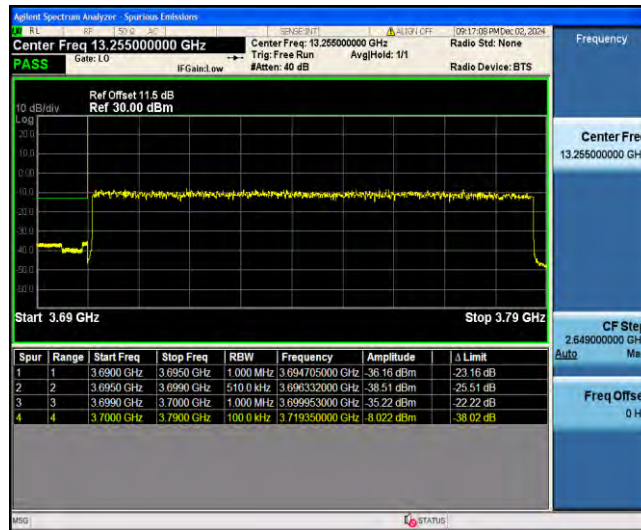
1-N78-3700-3800-PC2-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant7-3800.01-20.68--33.68-PASS



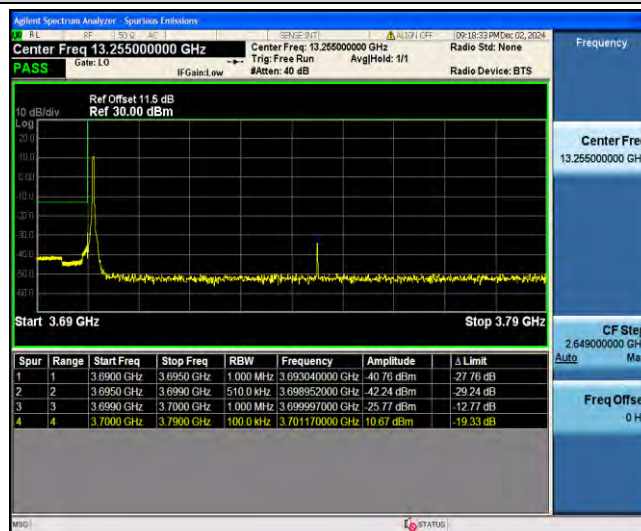
1-N78-3700-3800-PC2-30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant7-3800.30-23.18--36.18-PASS



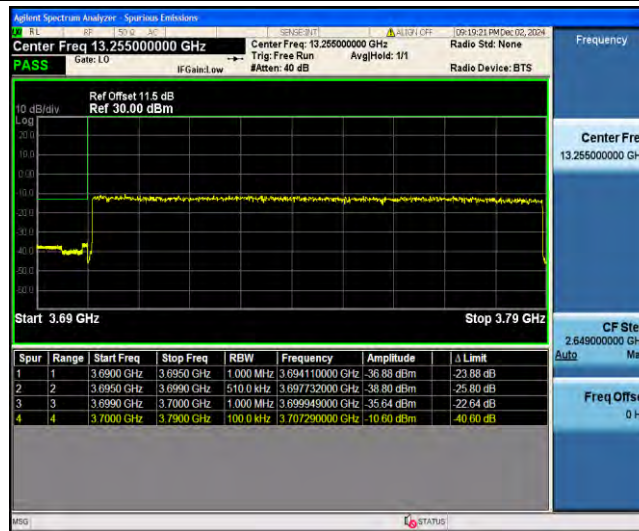
1-N78-3700-3800-PC2-30-90-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-12.98--25.98-PASS



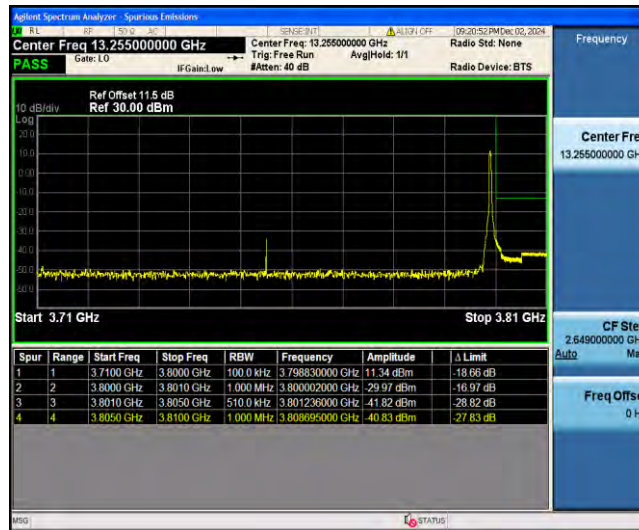
1-N78-3700-3800-PC2-30-90-L-3-DFT-QPSK-Outer_Full-240@0-Ant7-3699.95-22.22--35.22-PASS



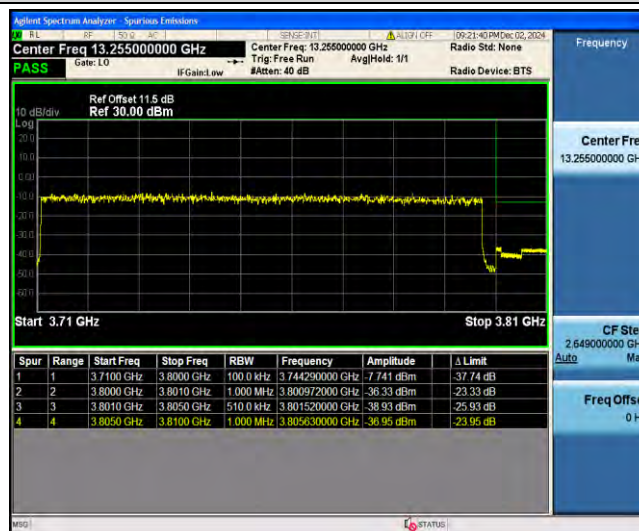
1-N78-3700-3800-PC2-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-12.77--25.77-PASS



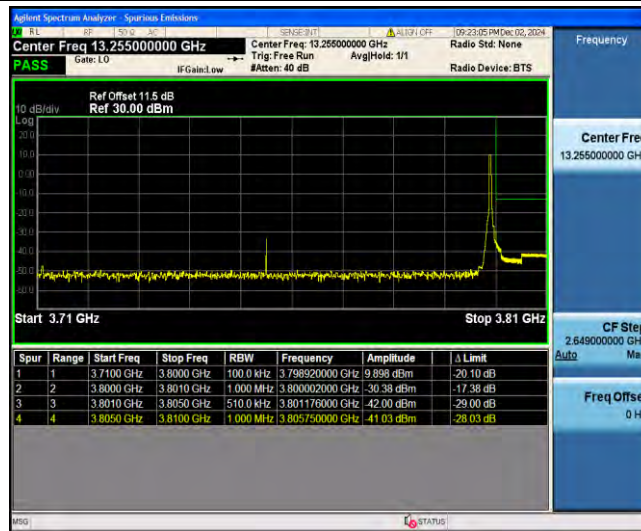
1-N78-3700-3800-PC2-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant7-3699.95-22.64--35.64-PASS



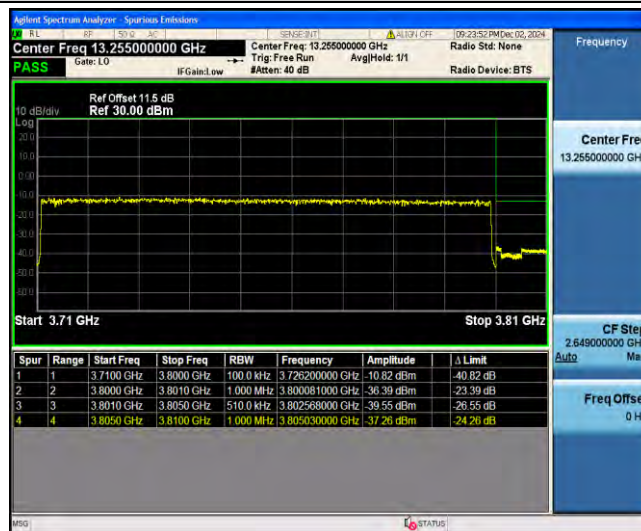
1-N78-3700-3800-PC2-30-90-H-2-DFT-QPSK-Edge_1RB_Right-1@244-Ant7-3800.00-16.97--29.97-PASS



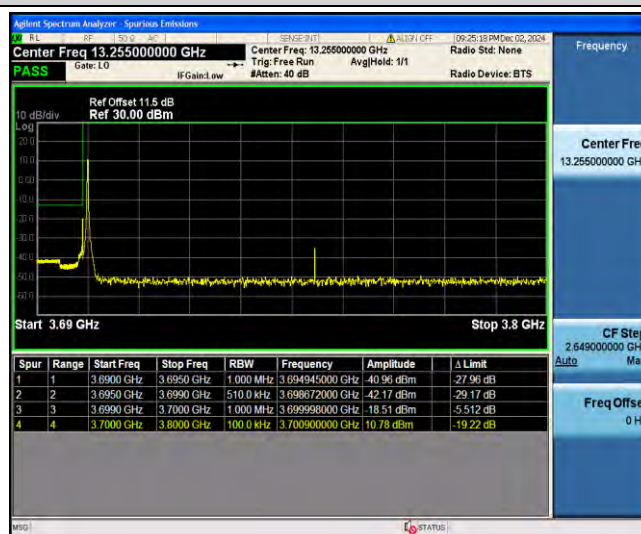
1-N78-3700-3800-PC2-30-90-H-3-DFT-QPSK-Outer_Full-240@0-Ant7-3800.97-23.33--36.33-PASS



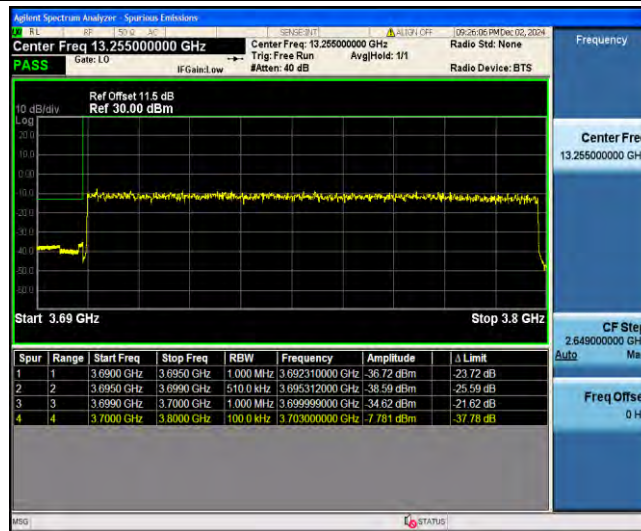
1-N78-3700-3800-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant7-3800.00-17.38--30.38-PASS



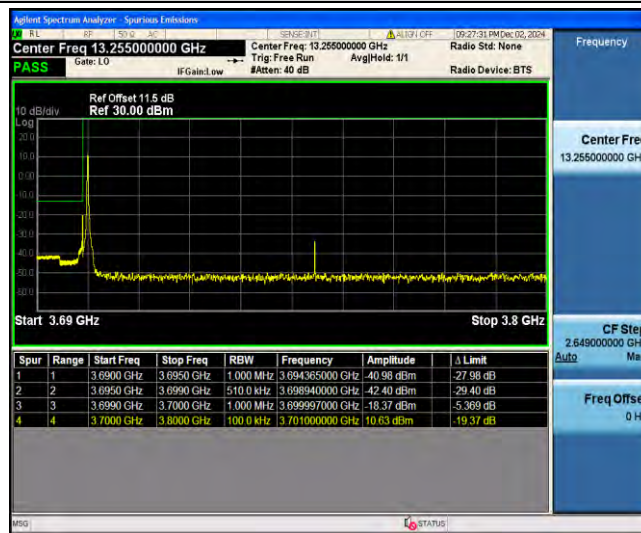
1-N78-3700-3800-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant7-3800.08-23.39--36.39-PASS



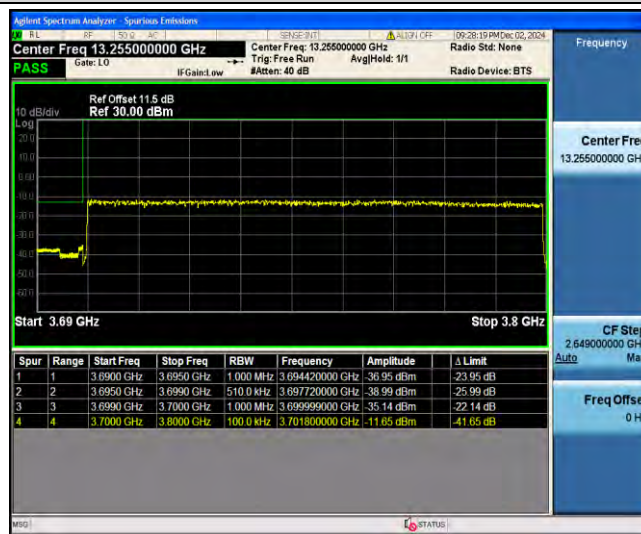
1-N78-3700-3800-PC2-30-100-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-5.51--18.51-PASS



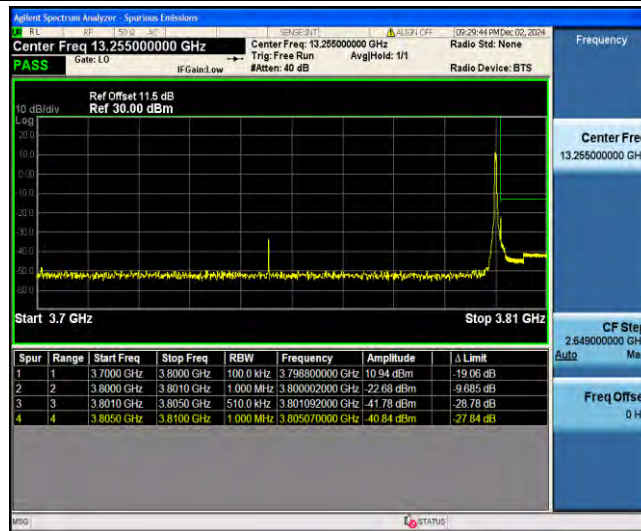
1-N78-3700-3800-PC2-30-100-L-3-DFT-QPSK-Outer_Full-270@0-Ant7-3700.00-21.62--34.62-PASS



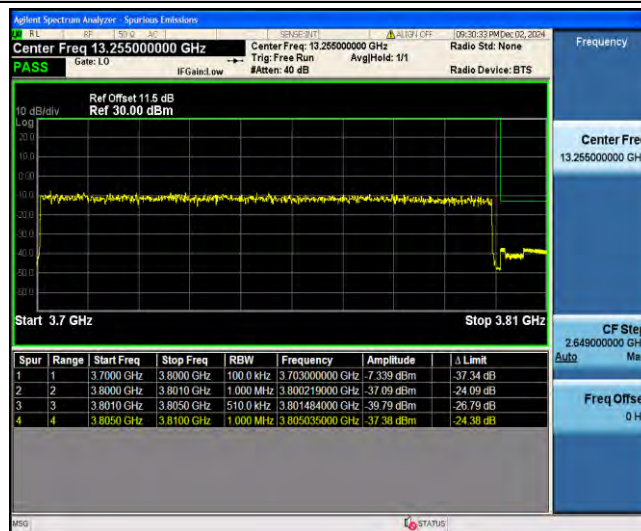
1-N78-3700-3800-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant7-3700.00-5.37--18.37-PASS



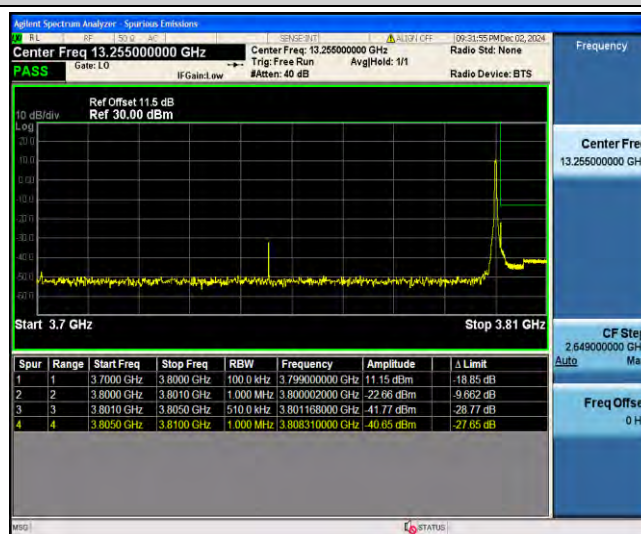
1-N78-3700-3800-PC2-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant7-3700.00-22.14--35.14-PASS



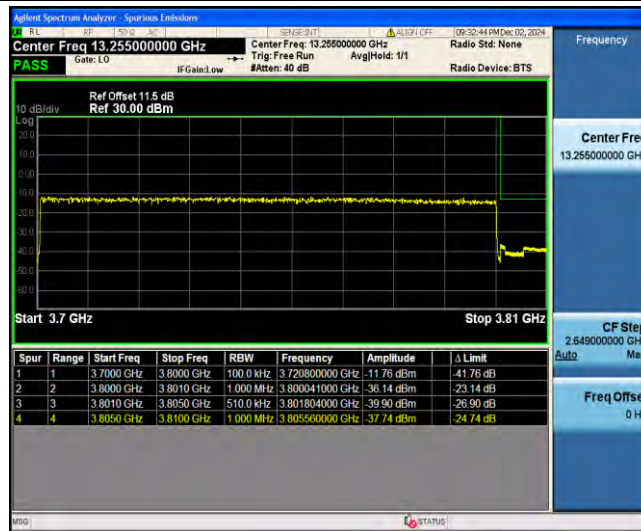
1-N78-3700-3800-PC2-30-100-H-2-DFT-QPSK-Edge_1RB_Right-1@272-Ant7-3800.00-9.68--22.68-PASS



1-N78-3700-3800-PC2-30-100-H-3-DFT-QPSK-Outer_Full-270@0-Ant7-3800.22-24.09--37.09-PASS



1-N78-3700-3800-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant7-3800.00-9.66--22.66-PASS



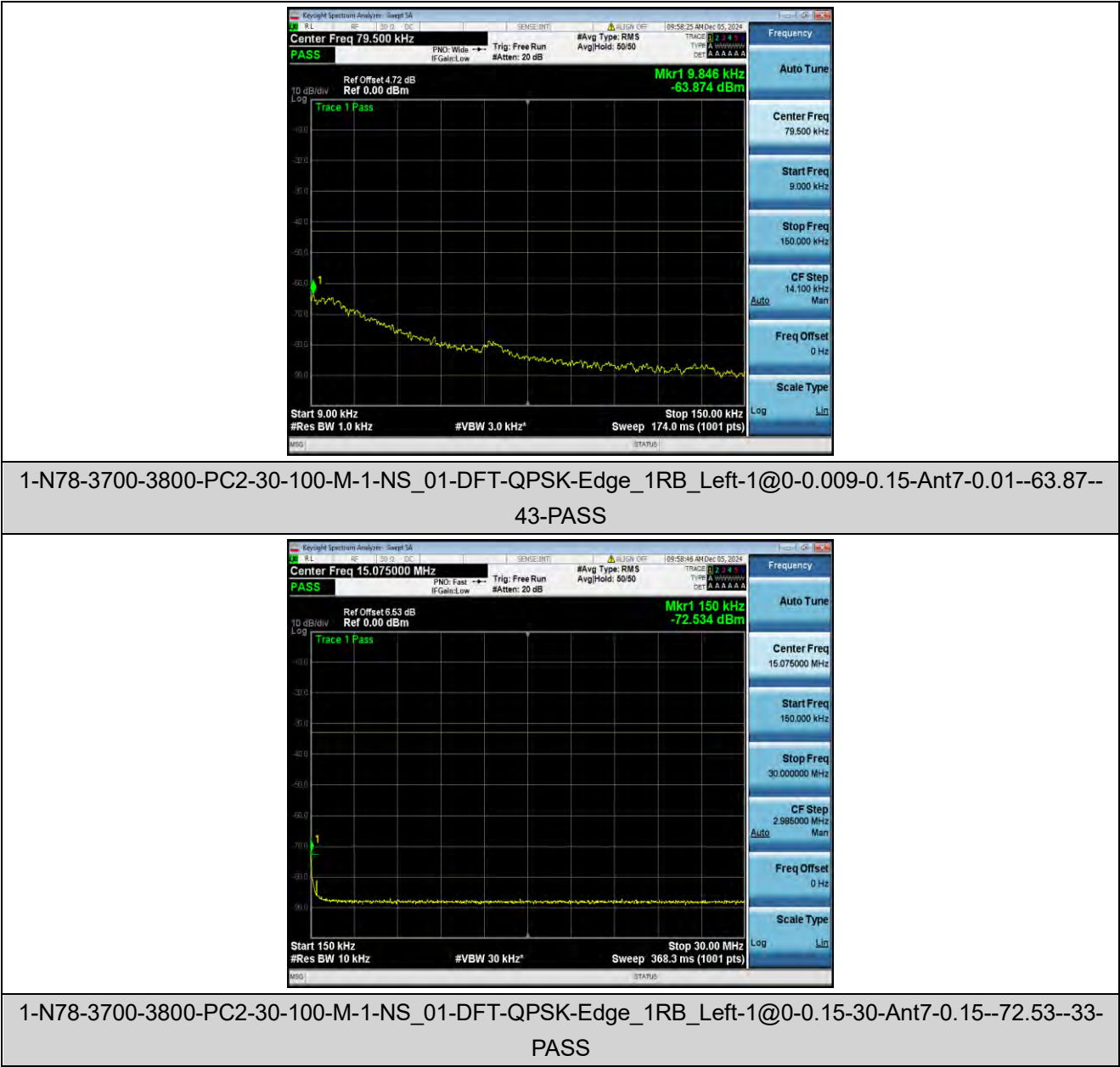
1-N78-3700-3800-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant7-3800.04-23.14--36.14-PASS

Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N78-3700-3800	30	100	DFT-QPSK	M	0.009	0.15	1@0	-63.87	-43	PASS
N78-3700-3800	30	100	DFT-QPSK	M	0.15	30	1@0	-72.53	-33	PASS
N78-3700-3800	30	100	DFT-QPSK	M	30	1000	1@0	-56.05	-13	PASS
N78-3700-3800	30	100	DFT-QPSK	M	1000	6000	1@0	-36.25	-13	PASS
N78-3700-3800	30	100	DFT-QPSK	M	6000	18000	1@0	-41.24	-13	PASS
N78-3700-3800	30	100	DFT-QPSK	M	18000	40000	1@0	-36.96	-13	PASS

Test Graphs





1-N78-3700-3800-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant7-871.09--56.05--13-PASS



1-N78-3700-3800-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-6000-Ant7-3831.50--36.25--13-PASS



1-N78-3700-3800-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-6000-18000-Ant7-14330.40--41.24--13-PASS



1-N78-3700-3800-PC2-30-100-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-18000-40000-Ant7-38922.00--36.96--13-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-QPSK	M	270@0	HV	NT	-1.07	-0.00029	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	NT	-4.45	-0.00119	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	LV	NT	-4.62	-0.00123	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	HV	NT	-4.83	-0.00129	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	NT	-2.10	-0.00056	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	LV	NT	-9.27	-0.00247	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	50	-2.522000	-0.000673	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	-20	-0.151000	-0.000040	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	-10	0.192000	0.000051	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	0	-9.498000	-0.002533	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	10	-0.910000	-0.000243	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	20	-0.258000	-0.000069	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	30	-7.115000	-0.001897	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	-30	-4.854000	-0.001294	PASS
N78-3700-3800	30	100	DFT-QPSK	M	270@0	NV	40	-2.981000	-0.000795	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	50	-3.779000	-0.001008	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	-20	-2.128000	-0.000567	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	-10	-2.021000	-0.000539	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	0	-0.529000	-0.000141	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	10	-5.443000	-0.001451	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	20	-1.579000	-0.000421	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	30	-3.738000	-0.000997	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	40	-3.515000	-0.000937	PASS
N78-3700-3800	30	100	CP-QPSK	M	273@0	NV	-30	0.058000	0.000015	PASS

Field Strength of Spurious Radiation

NR N78b(3700-3800MHz) ANT5-Middle channel, Modulation: QPSK, Bandwidth:100MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410.0	-57.74	-13	-44.74	-64.43	4.94	11.63	Horizontal	Pass
11115.0	-55.27	-13	-42.27	-62.72	5.81	13.26	Horizontal	Pass
14820.0	-54.31	-13	-41.31	-61.87	6.92	14.48	Horizontal	Pass
7410.0	-57.36	-13	-44.36	-64.05	4.94	11.63	Vertical	Pass
11115.0	-55.47	-13	-42.47	-62.92	5.81	13.26	Vertical	Pass
14820.0	-54.73	-13	-41.73	-62.29	6.92	14.48	Vertical	Pass

NSA_4A_n78A 3700-3800-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7410.0	-59.66	-13	-46.66	-66.35	4.94	11.63	Horizontal	Pass
11115.0	-55.57	-13	-42.57	-63.02	5.81	13.26	Horizontal	Pass
14820.0	-54.33	-13	-41.33	-61.89	6.92	14.48	Horizontal	Pass
7410.0	-59.45	-13	-46.45	-66.14	4.94	11.63	Vertical	Pass
11115.0	-55.65	-13	-42.65	-63.1	5.81	13.26	Vertical	Pass
14820.0	-54.55	-13	-41.55	-62.11	6.92	14.48	Vertical	Pass