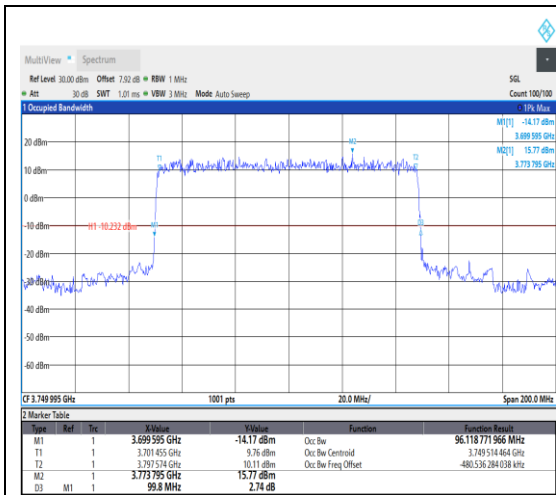
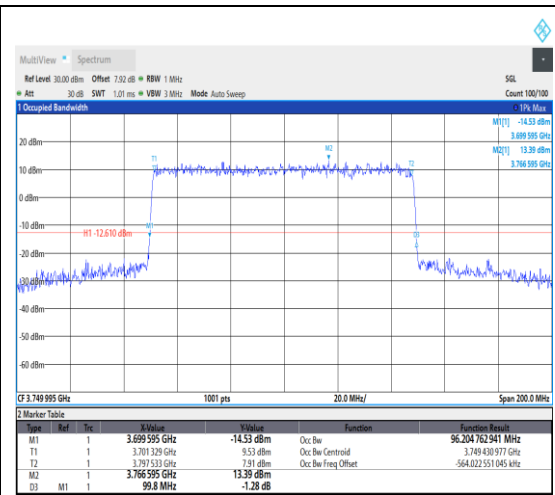
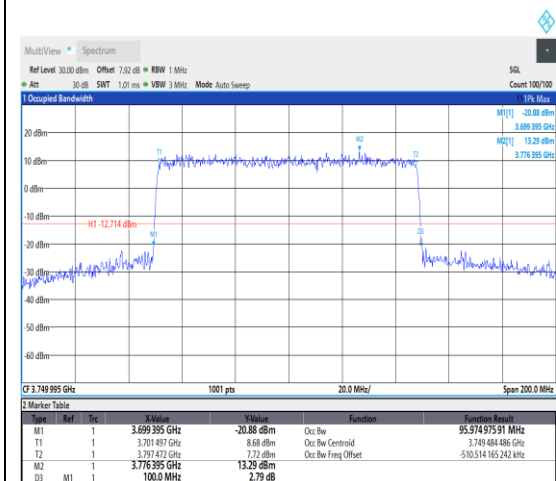




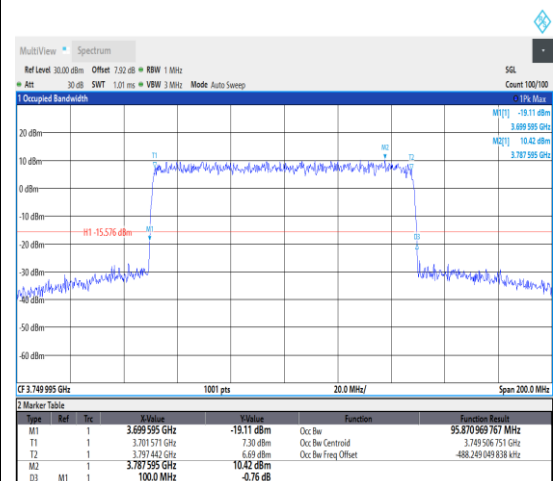
1-N77-3700-3980--30-100-L-2-DFT-PI2BPSK
-Outer_Full-270@0-Ant1-96.119-99.800-≤100
-PASS



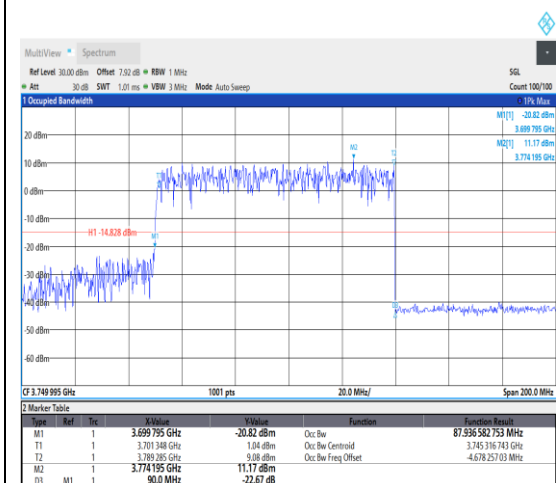
1-N77-3700-3980--30-100-L-3-DFT-16QAM-
-Outer_Full-270@0-Ant1-96.205-99.800-≤100
-PASS



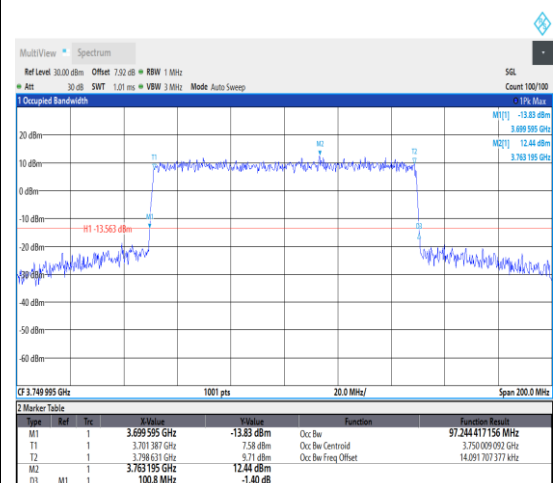
1-N77-3700-3980--30-100-L-4-DFT-64QAM-
-Outer_Full-270@0-Ant1-95.975-100.000-≤10
0-PASS



1-N77-3700-3980--30-100-L-5-DFT-256QAM
-Outer_Full-270@0-Ant1-95.871-100.000-≤1
00-PASS

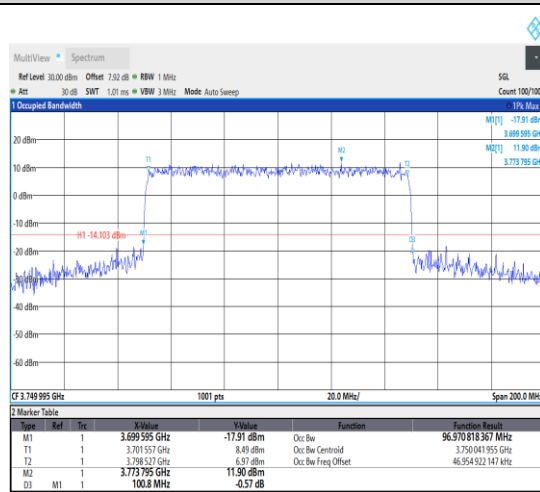


1-N77-3700-3980--30-100-L-6-CP-QPSK-Out

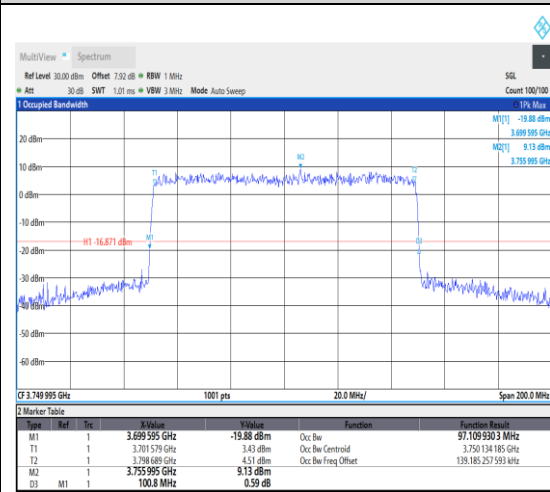


1-N77-3700-3980--30-100-L-7-CP-16QAM-O

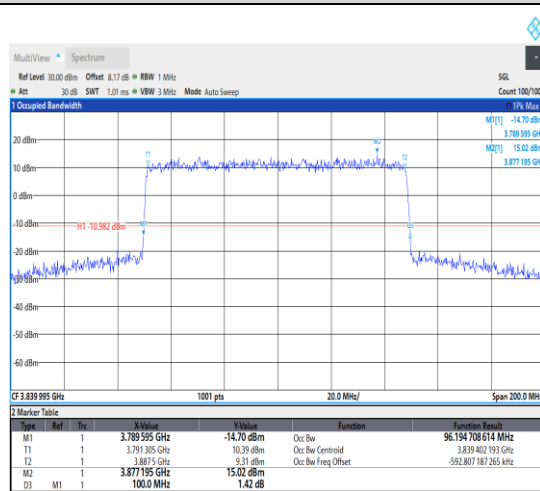
er_Full-273@0-Ant1-87.937-90.000-≤100-PA SS



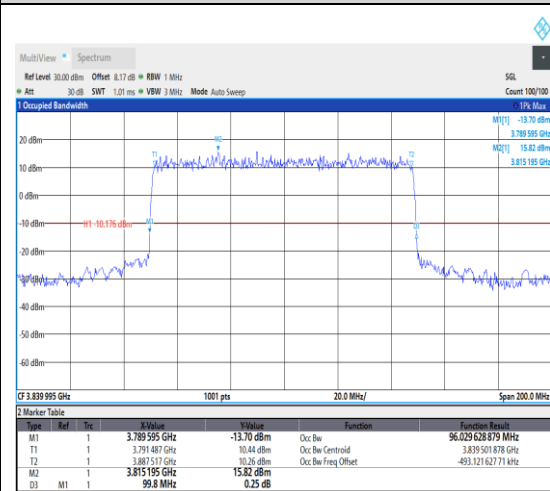
uter_Full-273@0-Ant1-97.244-100.800-≤100- PASS



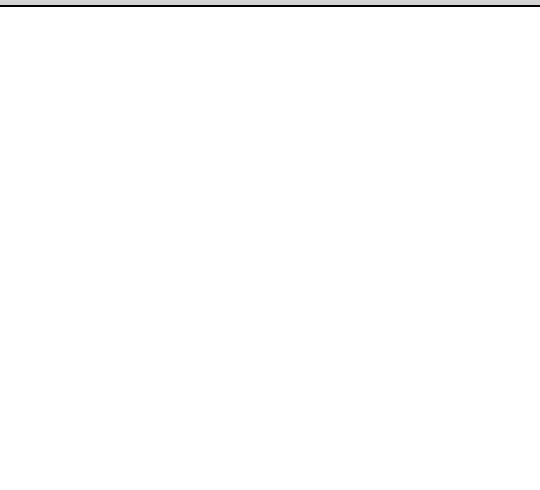
1-N77-3700-3980--30-100-L-8-CP-64QAM-O uter_Full-273@0-Ant1-96.971-100.800-≤100- PASS



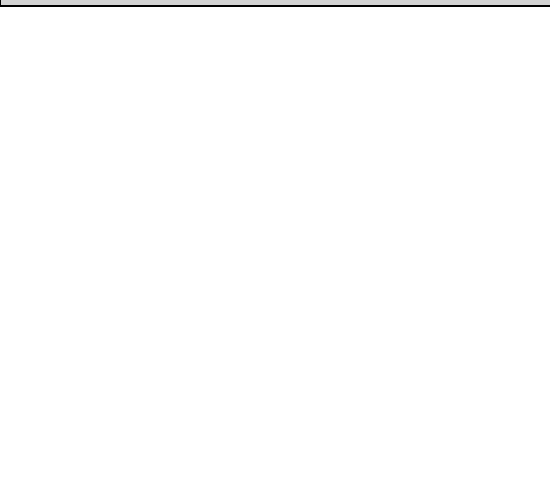
1-N77-3700-3980--30-100-L-9-CP-256QAM- Outer_Full-273@0-Ant1-97.11-100.800-≤100- PASS

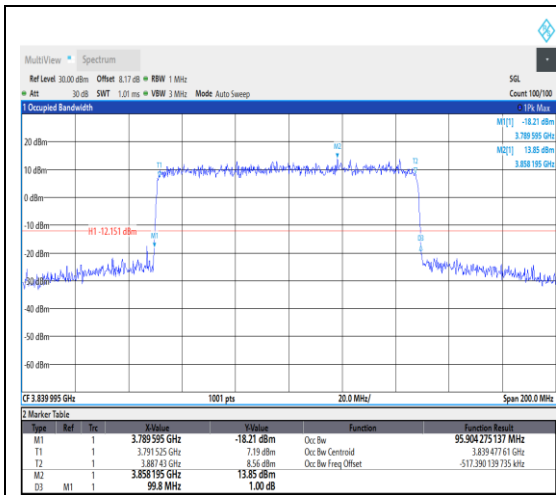


1-N77-3700-3980--30-100-M-1-DFT-QPSK-O uter_Full-270@0-Ant1-96.195-100.000-≤100- PASS

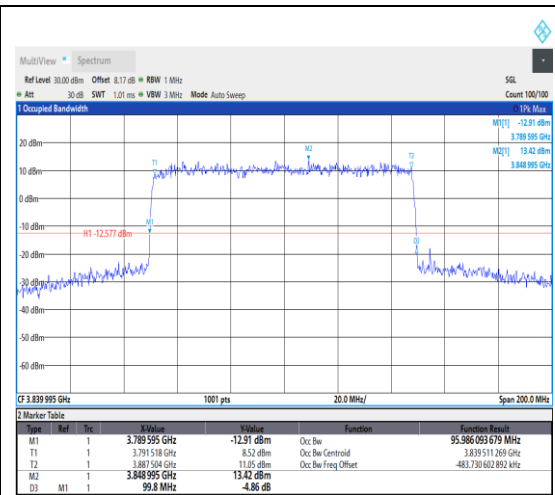


1-N77-3700-3980--30-100-M-2-DFT-PI2BPS K-Outer_Full-270@0-Ant1-96.03-99.800-≤100- 0-PASS

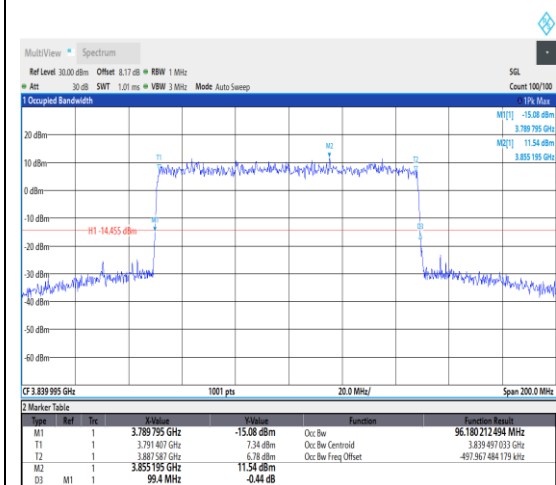




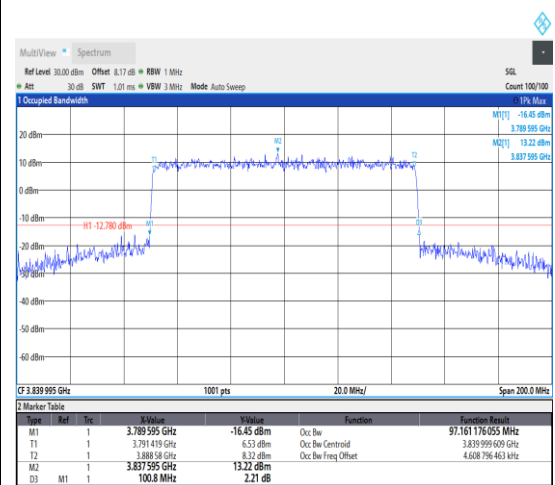
1-N77-3700-3980--30-100-M-3-DFT-16QAM-Outer_Full-270@0-Ant1-95.904-99.800-≤100-PASS



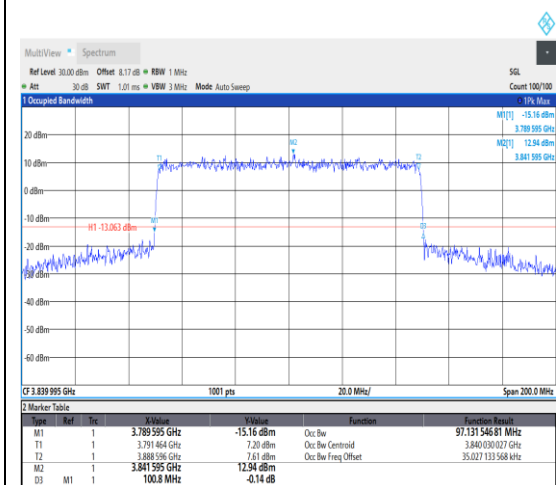
1-N77-3700-3980--30-100-M-4-DFT-64QAM-Outer_Full-270@0-Ant1-95.986-99.800-≤100-PASS



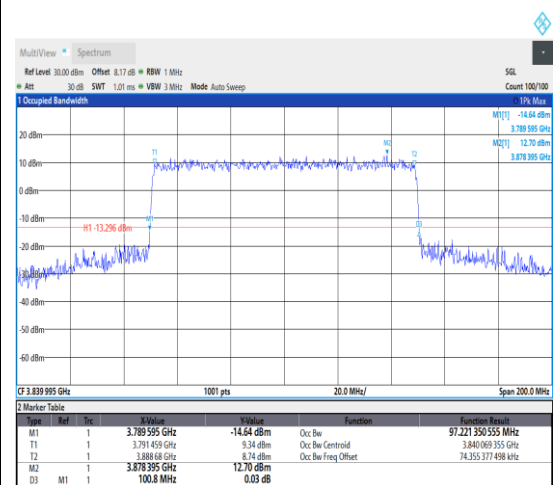
1-N77-3700-3980--30-100-M-5-DFT-256QAM-Outer_Full-270@0-Ant1-96.18-99.400-≤100-PASS



1-N77-3700-3980--30-100-M-6-CP-QPSK-Outer_Full-273@0-Ant1-97.161-100.800-≤100-PASS

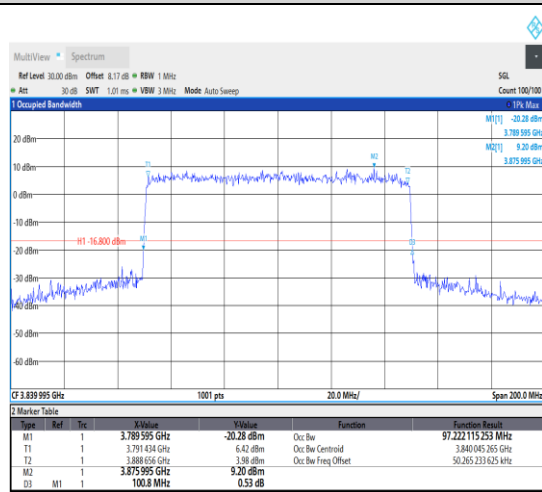


1-N77-3700-3980--30-100-M-7-CP-16QAM-Outer_Full-270@0-Ant1-97.161-100.800-≤100-PASS

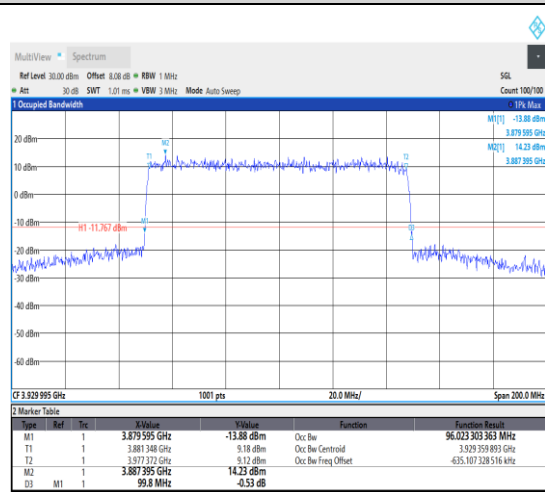


1-N77-3700-3980--30-100-M-8-CP-64QAM-Outer_Full-270@0-Ant1-97.161-100.800-≤100-PASS

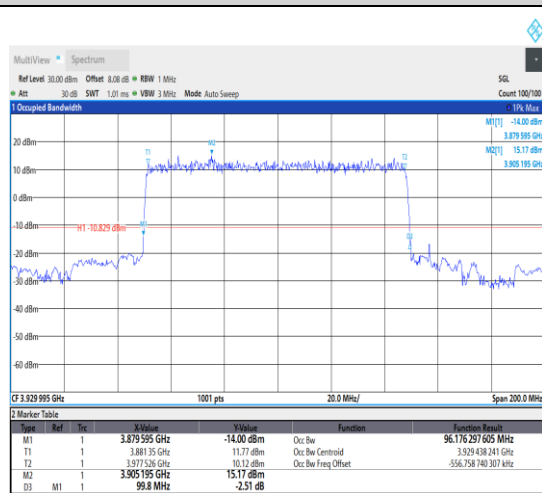
Outer_Full-273@0-Ant1-97.132-100.800-≤10 0-PASS



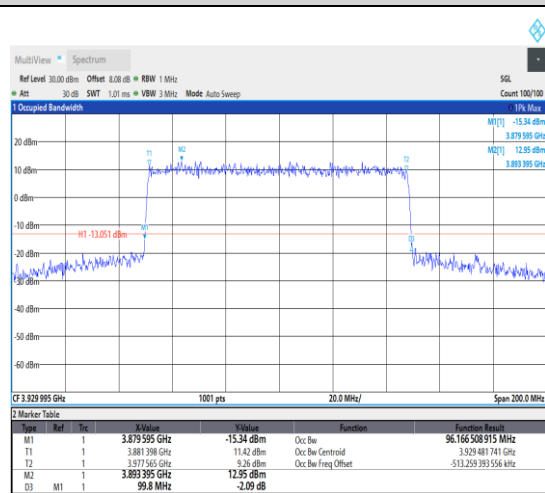
Outer_Full-273@0-Ant1-97.221-100.800-≤10 0-PASS



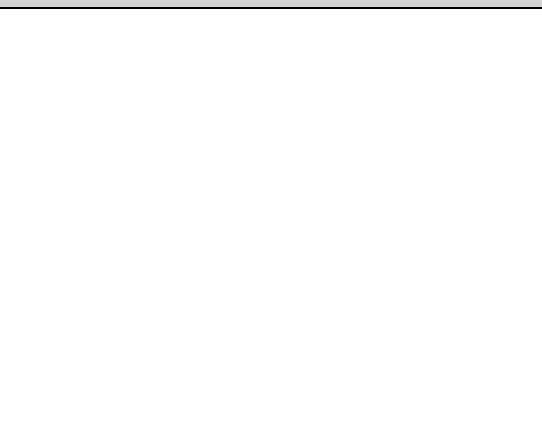
1-N77-3700-3980--30-100-M-9-CP-256QAM- Outer_Full-273@0-Ant1-97.222-100.800-≤10 0-PASS



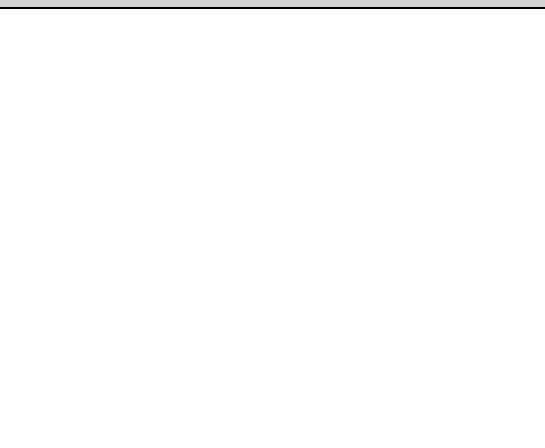
1-N77-3700-3980--30-100-H-1-DFT-QPSK-O uter_Full-270@0-Ant1-96.023-99.800-≤100-P ASS

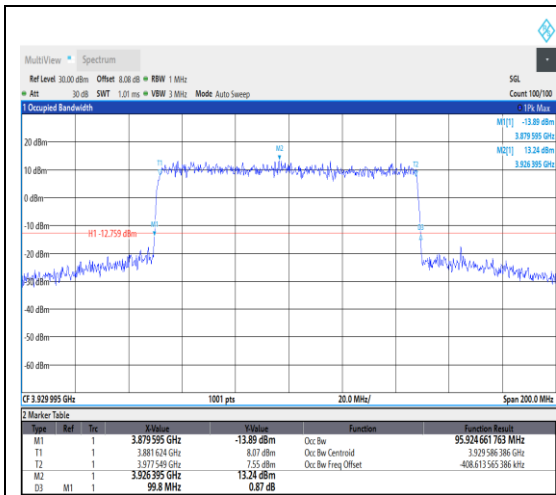


1-N77-3700-3980--30-100-H-2-DFT-PI2BPS K-Outer_Full-270@0-Ant1-96.176-99.800-≤1 00-PASS

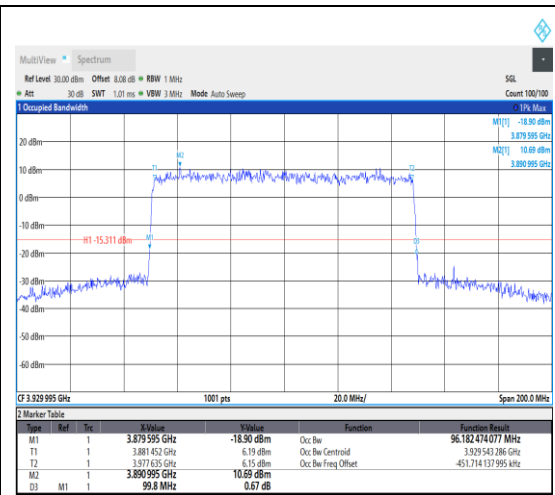


1-N77-3700-3980--30-100-H-3-DFT-16QAM- Outer_Full-270@0-Ant1-96.167-99.800-≤100 -PASS

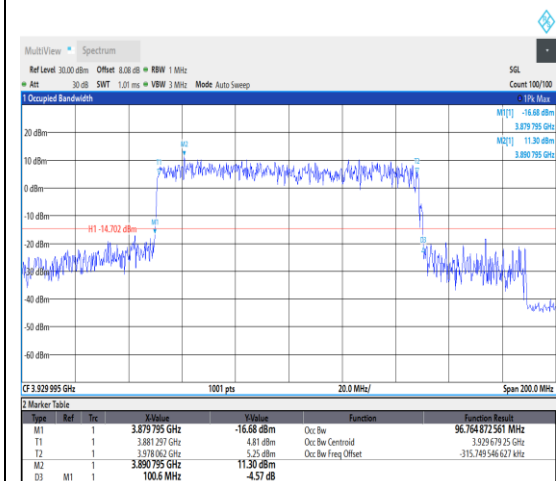




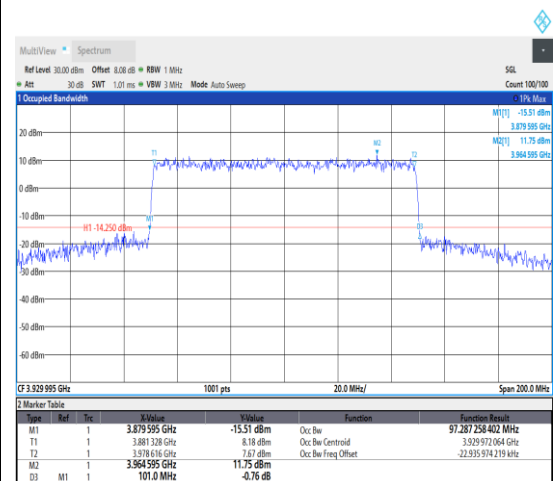
1-N77-3700-3980--30-100-H-4-DFT-64QAM-Outer_Full-270@0-Ant1-95.925-99.800-≤100-PASS



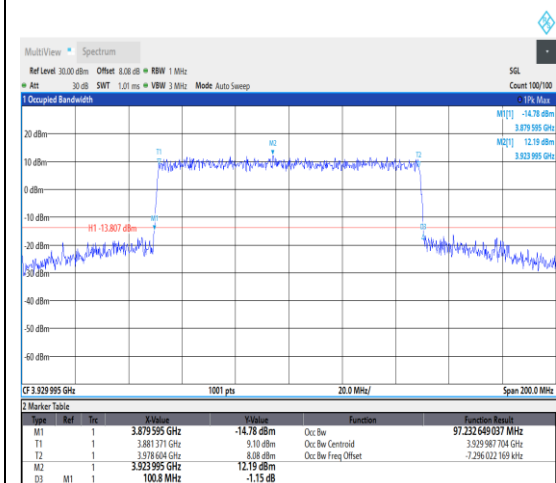
1-N77-3700-3980--30-100-H-5-DFT-256QAM-Outer_Full-270@0-Ant1-96.182-99.800-≤100-PASS



1-N77-3700-3980--30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-96.765-100.600-≤100-PASS



1-N77-3700-3980--30-100-H-7-CP-16QAM-Outer_Full-273@0-Ant1-97.287-101.000-≤100-PASS



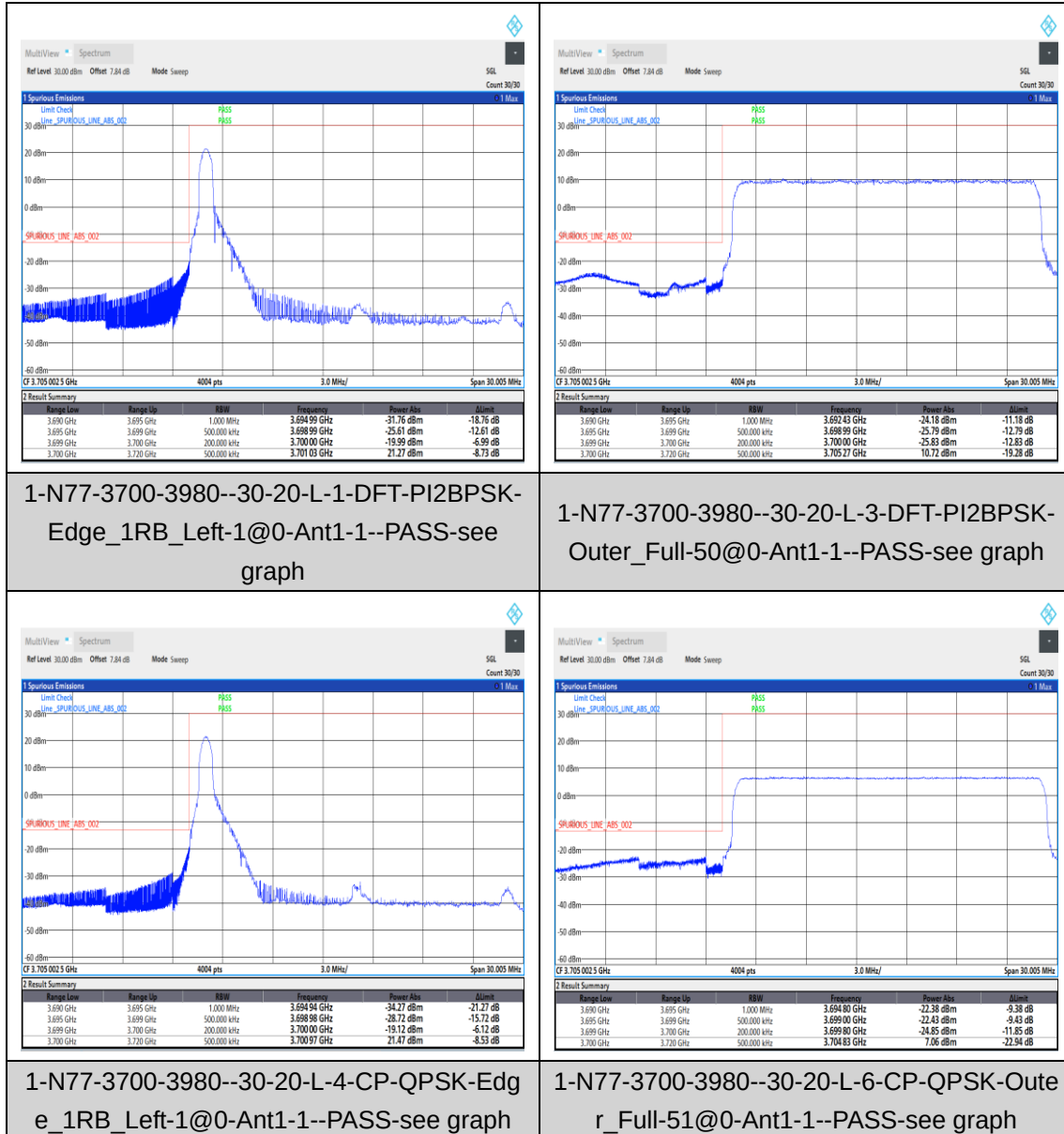
1-N77-3700-3980--30-100-H-8-CP-64QAM-Outer_Full-273@0-Ant1-97.287-101.000-≤100-PASS

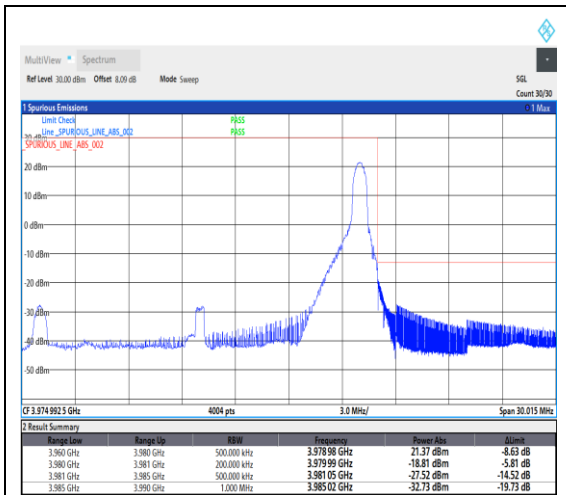


uter_Full-273@0-Ant1-97.233-100.800-≤100- PASS	
---	--

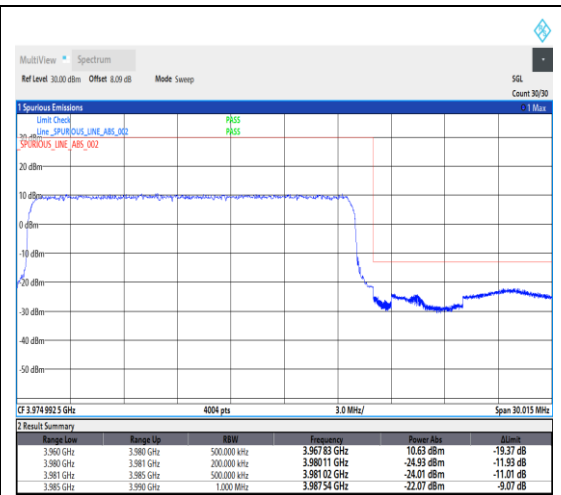
4. Band Edge for SA

Test Graphs

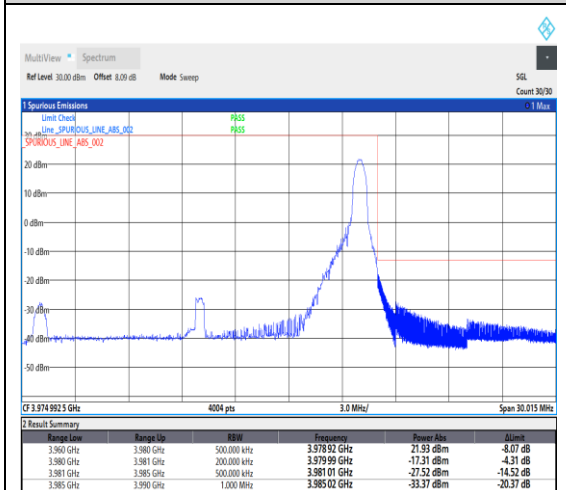




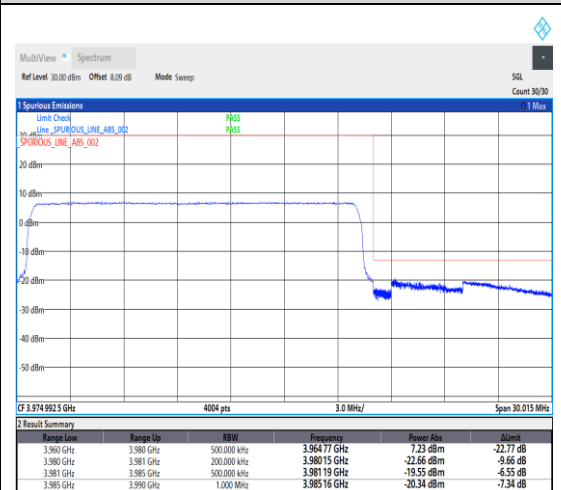
1-N77-3700-3980--30-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph



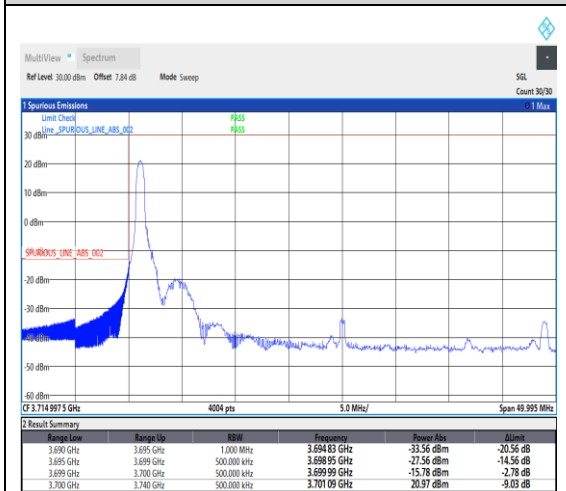
1-N77-3700-3980--30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



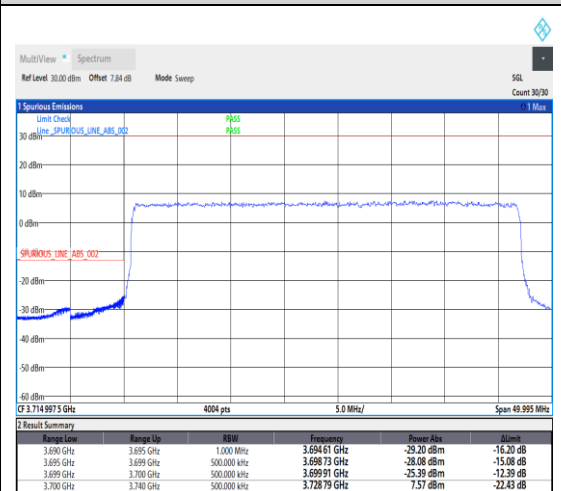
1-N77-3700-3980--30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph



1-N77-3700-3980--30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

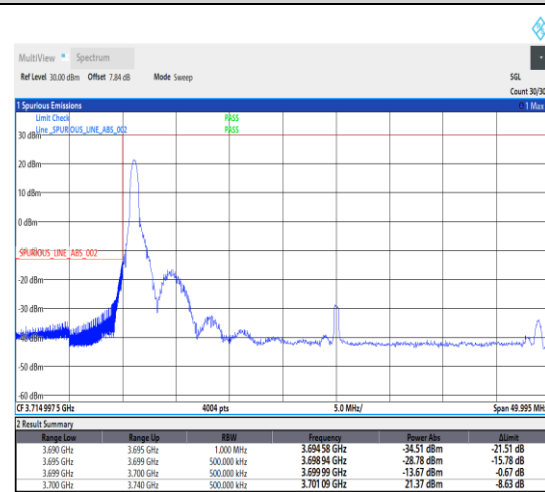


1-N77-3700-3980--30-40-L-1-DFT-PI2BPSK-

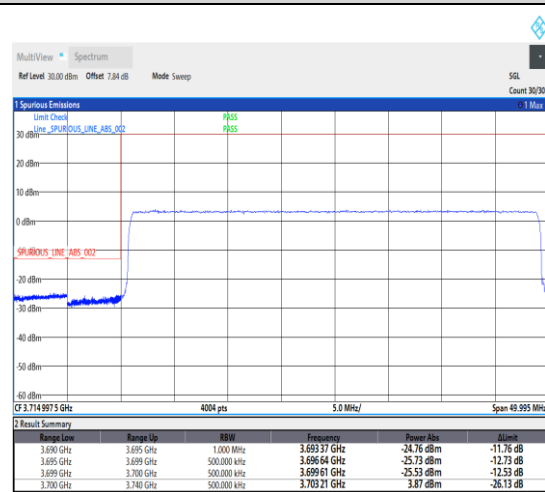


1-N77-3700-3980--30-40-L-3-DFT-PI2BPSK-

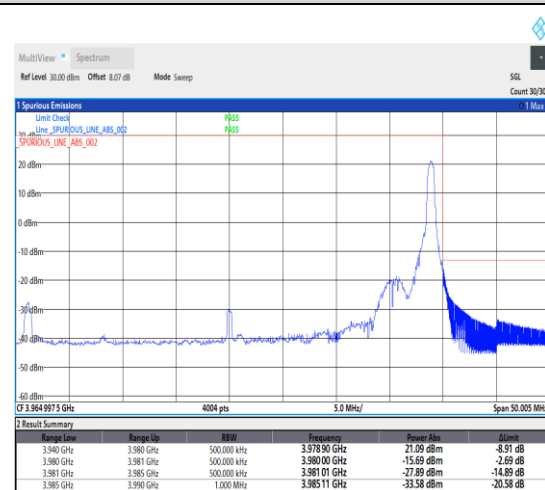
Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



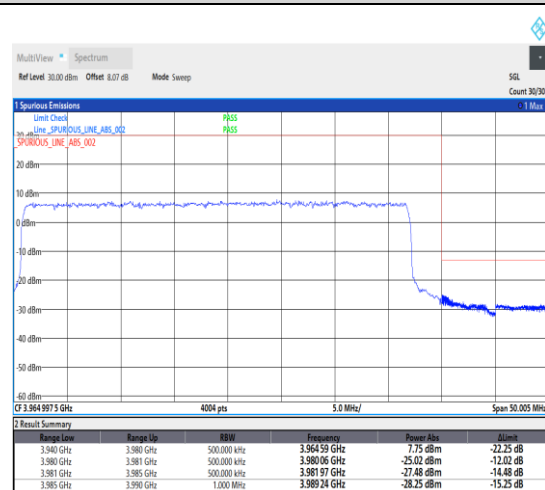
Outer_Full-100@0-Ant1-1--PASS-see graph



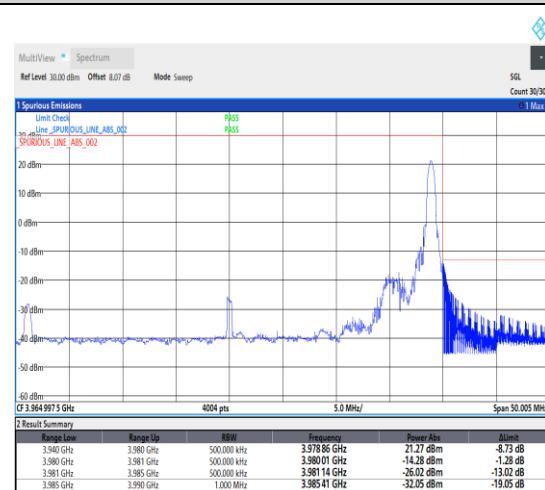
1-N77-3700-3980--30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



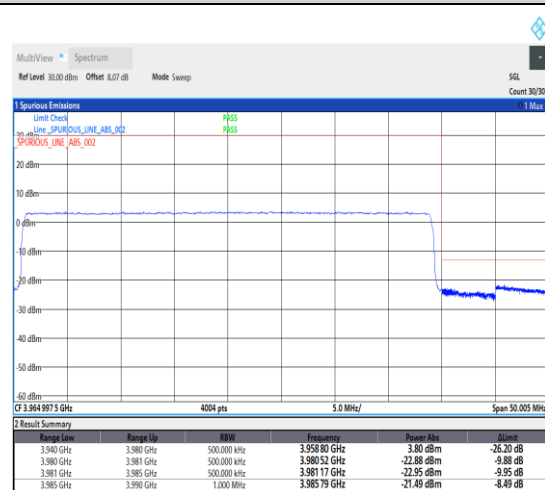
1-N77-3700-3980--30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



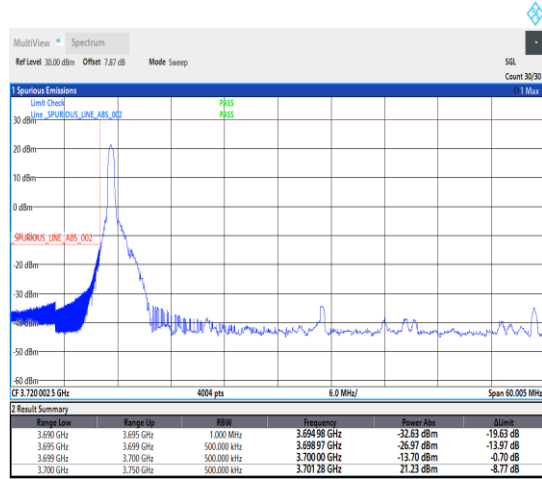
1-N77-3700-3980--30-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



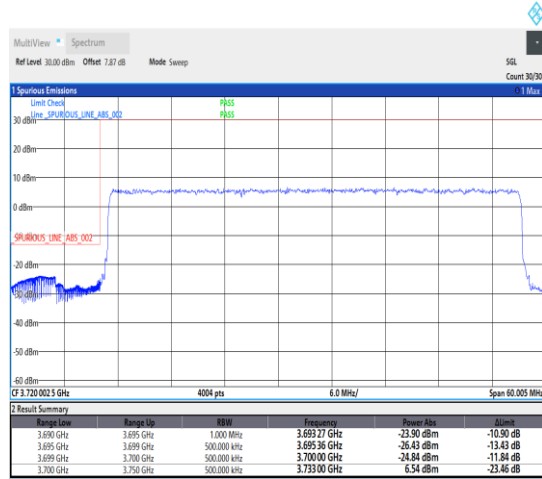
1-N77-3700-3980--30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



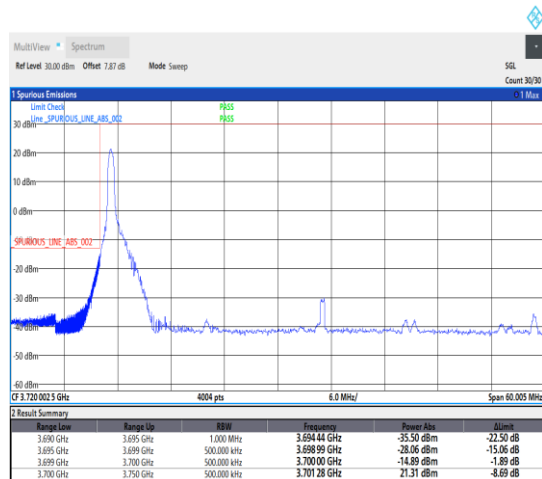
1-N77-3700-3980--30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



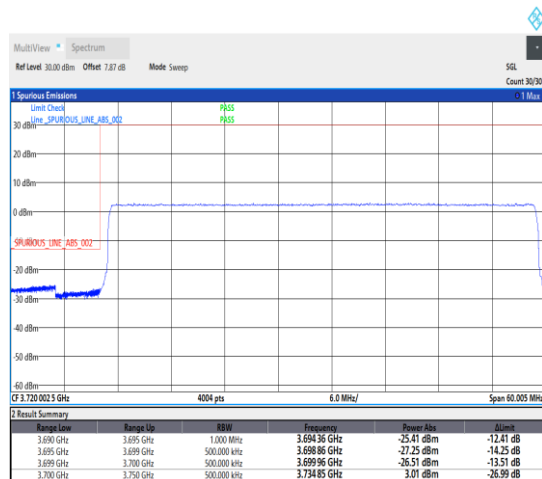
1-N77-3700-3980--30-40-H-6-CP-QPSK-Out er_Full-106@0-Ant1-1--PASS-see graph



1-N77-3700-3980--30-50-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980--30-50-L-3-DFT-PI2BPSK-Out er_Full-128@0-Ant1-1--PASS-see graph

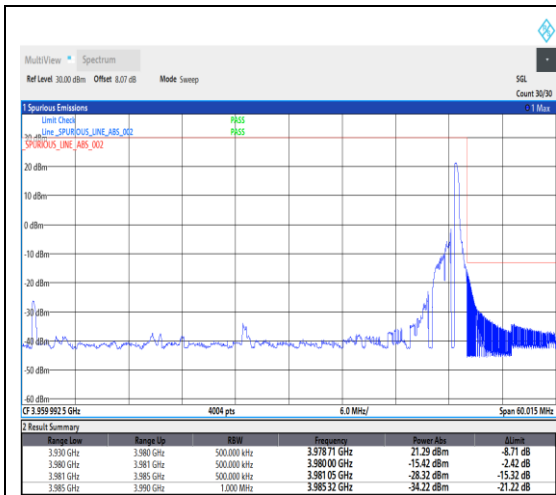


1-N77-3700-3980--30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

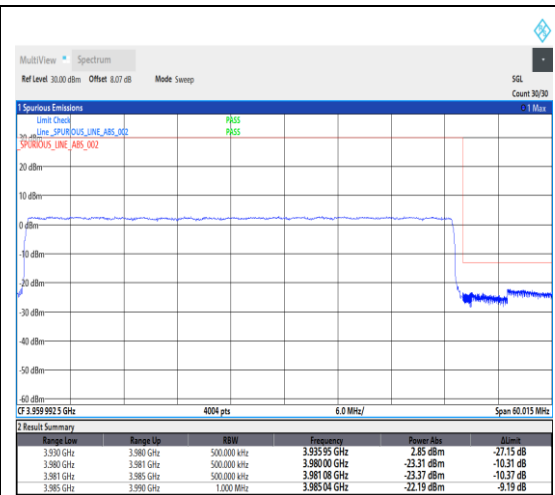


1-N77-3700-3980--30-50-L-6-CP-QPSK-Out er_Full-133@0-Ant1-1--PASS-see graph

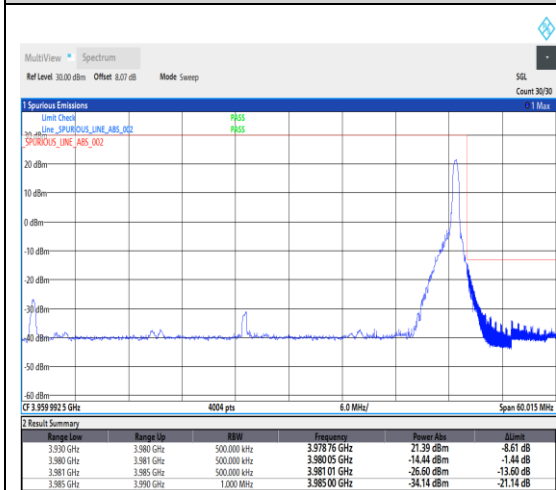




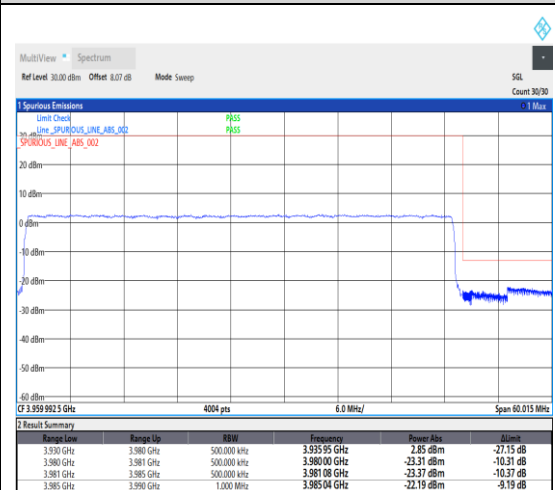
1-N77-3700-3980--30-50-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph



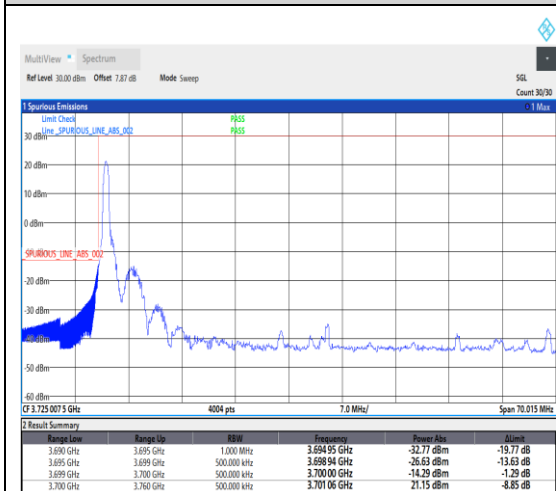
1-N77-3700-3980--30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



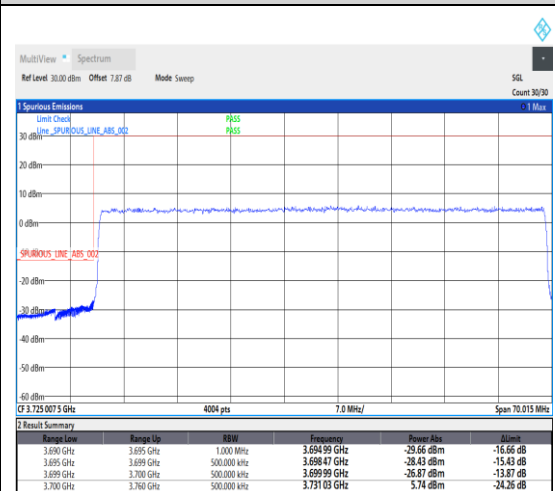
1-N77-3700-3980--30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph



1-N77-3700-3980--30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph

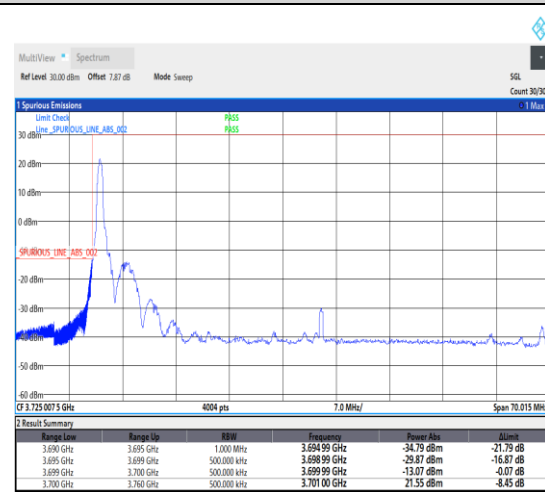


1-N77-3700-3980--30-60-L-1-DFT-PI2BPSK-

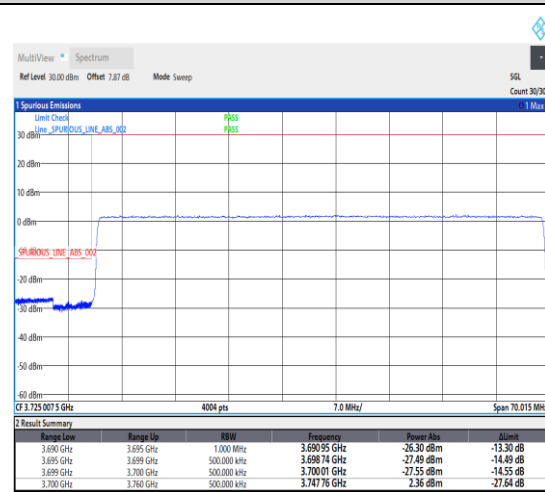


1-N77-3700-3980--30-60-L-3-DFT-PI2BPSK-

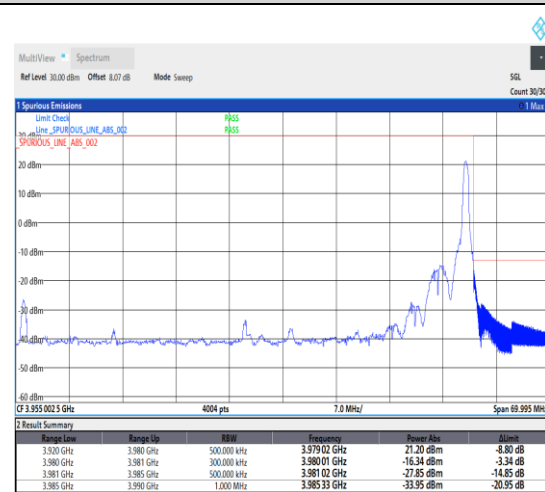
Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



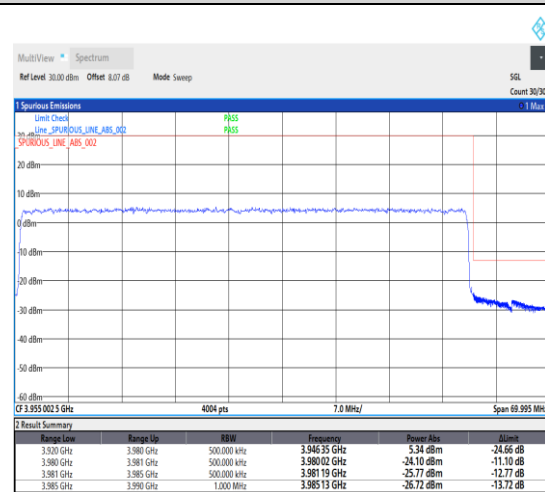
Outer_Full-162@0-Ant1-1--PASS-see graph



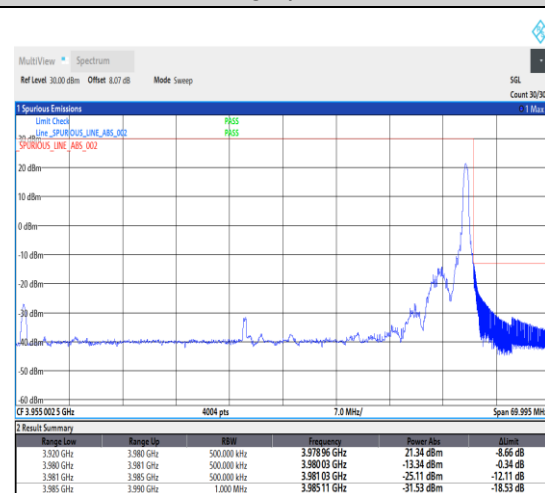
1-N77-3700-3980--30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



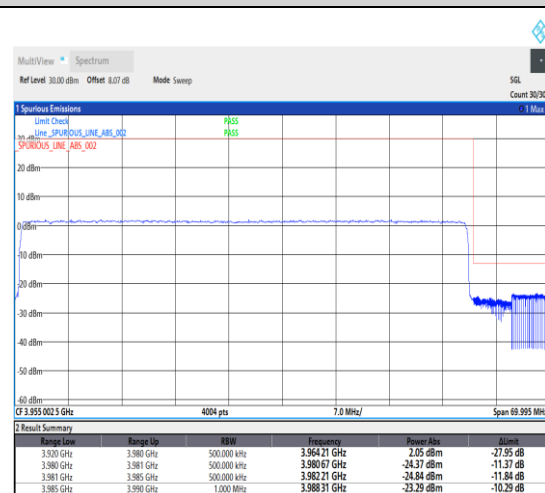
1-N77-3700-3980--30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



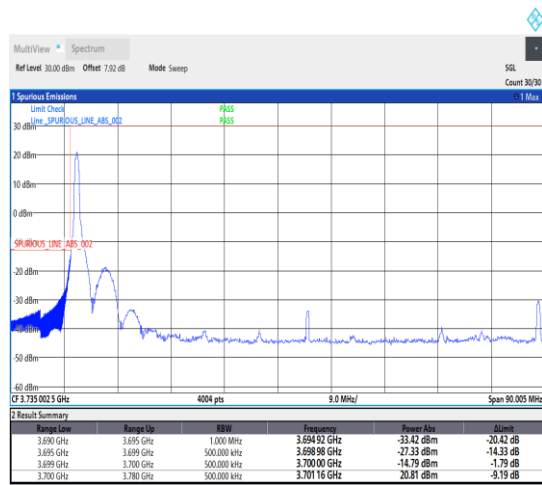
1-N77-3700-3980--30-60-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph



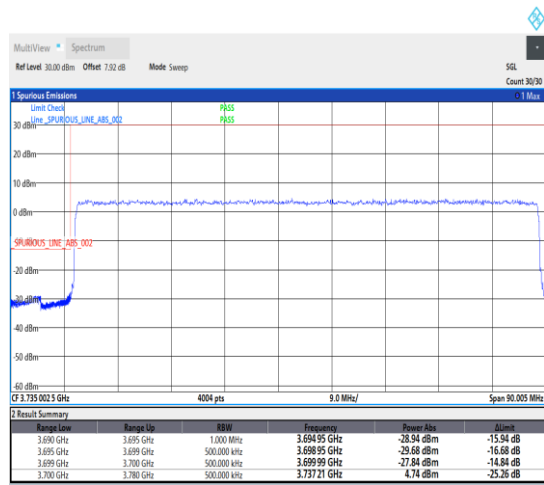
1-N77-3700-3980--30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



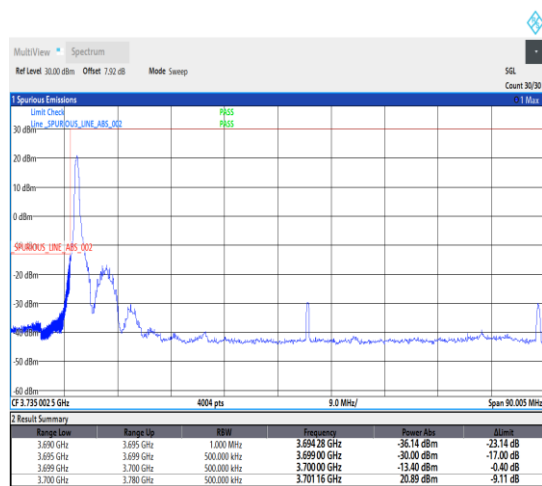
1-N77-3700-3980--30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph



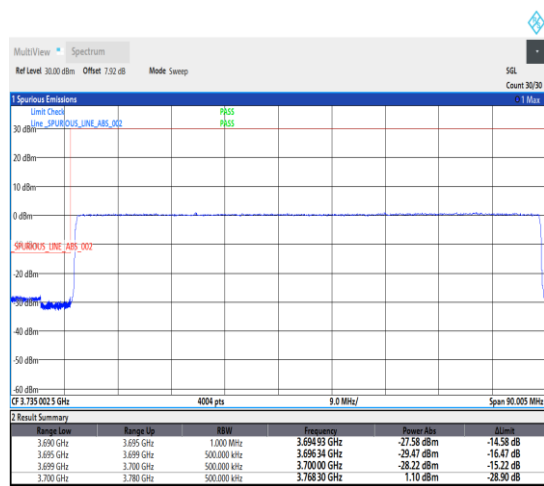
1-N77-3700-3980--30-60-H-6-CP-QPSK-Out er_Full-162@0-Ant1-1--PASS-see graph



1-N77-3700-3980--30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980--30-80-L-3-DFT-PI2BPSK-Out er_Full-216@0-Ant1-1--PASS-see graph

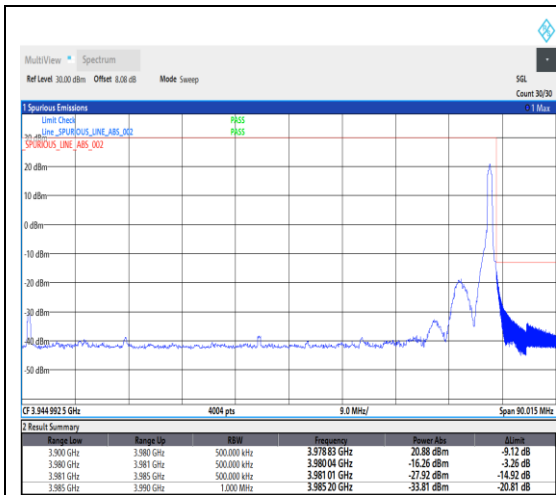


1-N77-3700-3980--30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

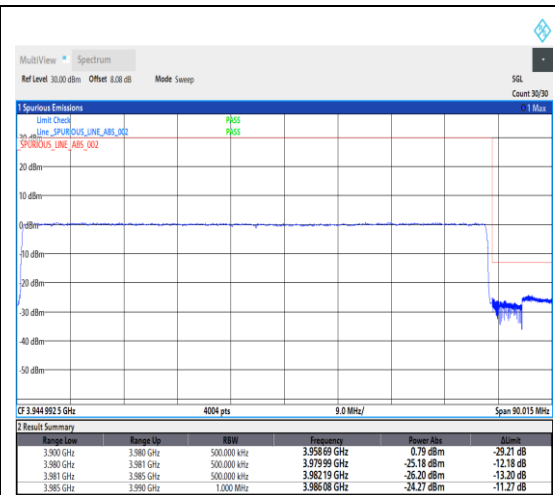


1-N77-3700-3980--30-80-L-6-CP-QPSK-Out er_Full-217@0-Ant1-1--PASS-see graph

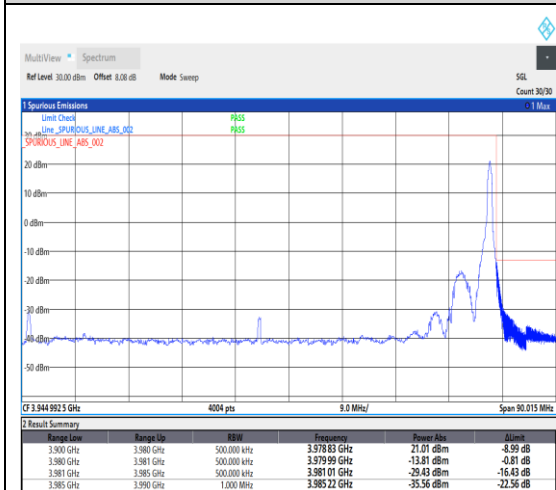




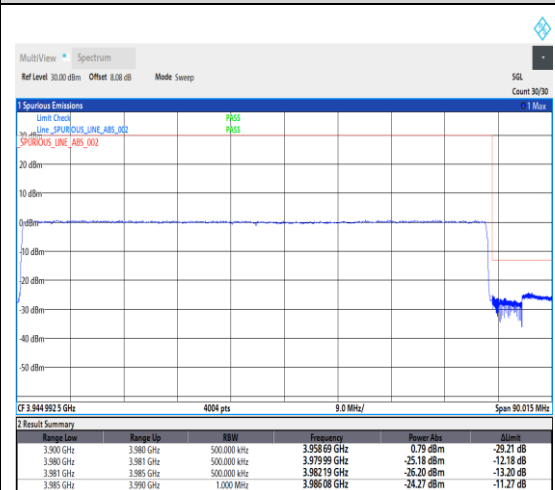
1-N77-3700-3980--30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph



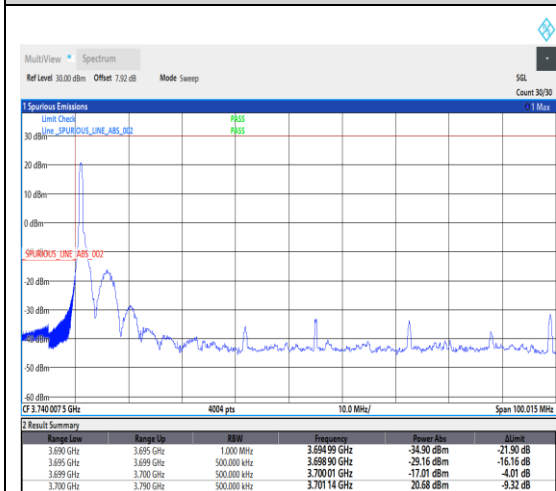
1-N77-3700-3980--30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



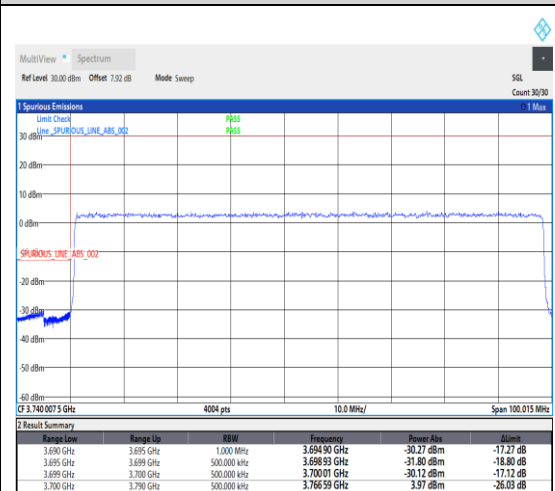
1-N77-3700-3980--30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph



1-N77-3700-3980--30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant1-1--PASS-see graph

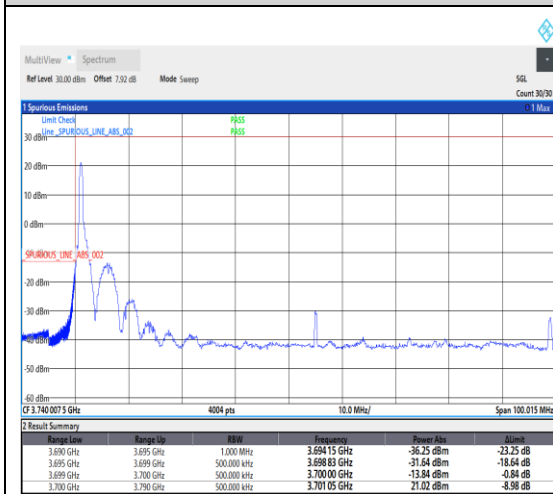


1-N77-3700-3980--30-90-L-1-DFT-PI2BPSK-

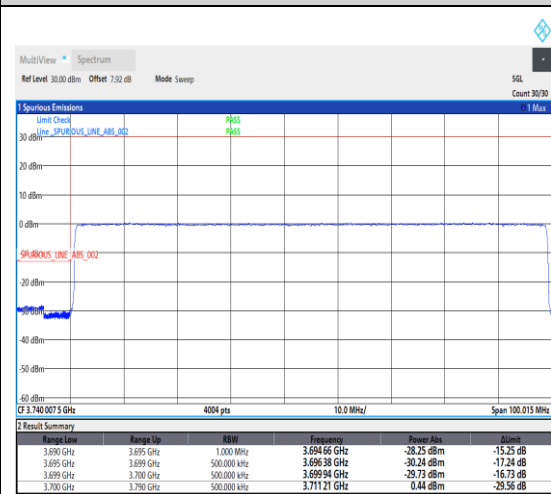


1-N77-3700-3980--30-90-L-3-DFT-PI2BPSK-

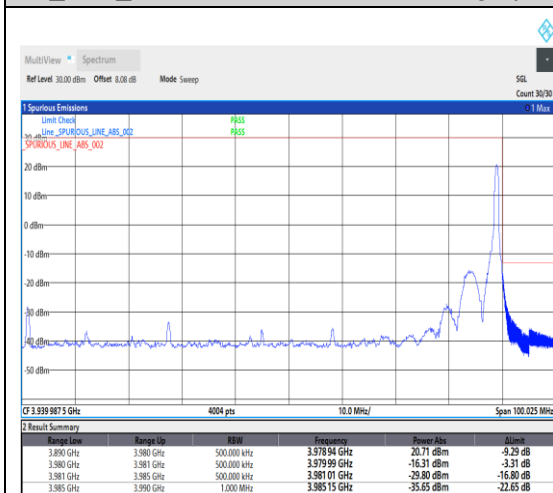
Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



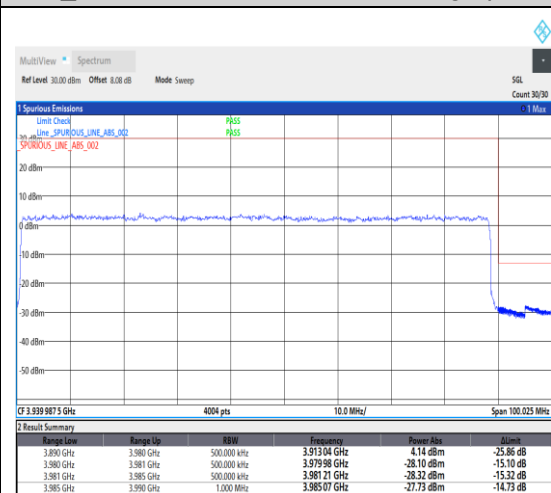
Outer_Full-243@0-Ant1-1--PASS-see graph



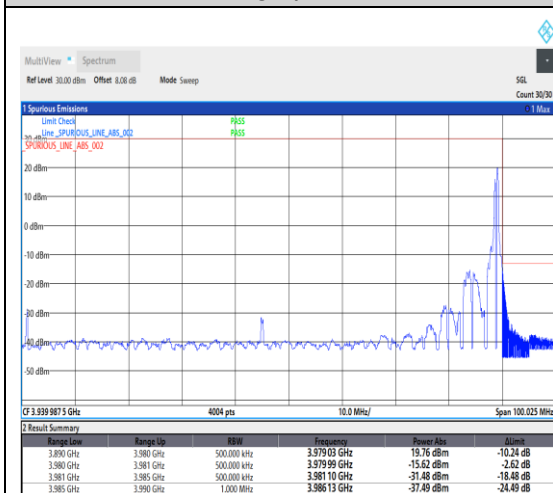
1-N77-3700-3980--30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



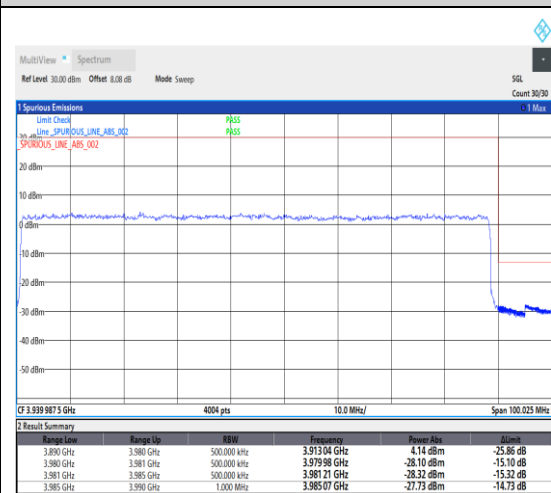
1-N77-3700-3980--30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph



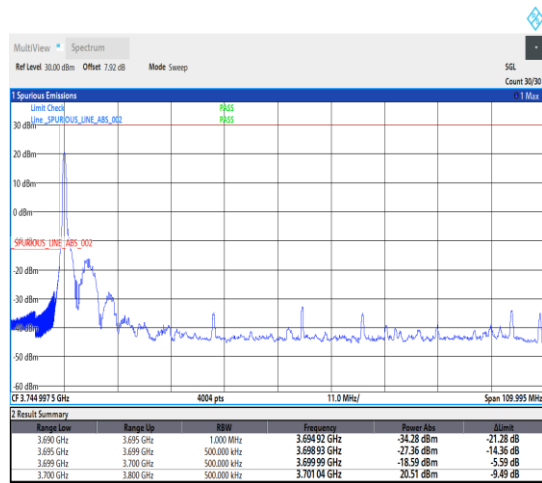
1-N77-3700-3980--30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph



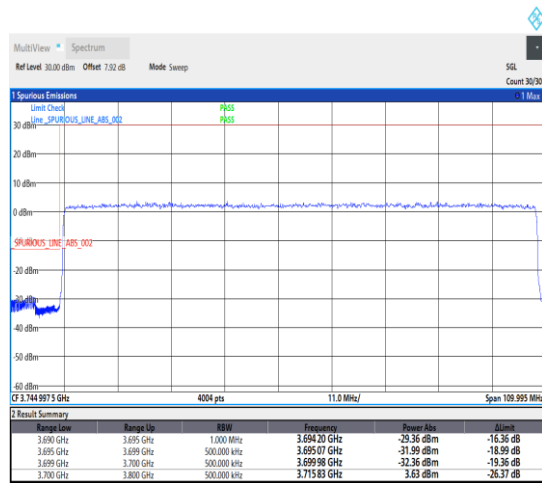
1-N77-3700-3980--30-90-H-3-DFT-PI2BPSK-Outer_Full-243@0-Ant1-1--PASS-see graph



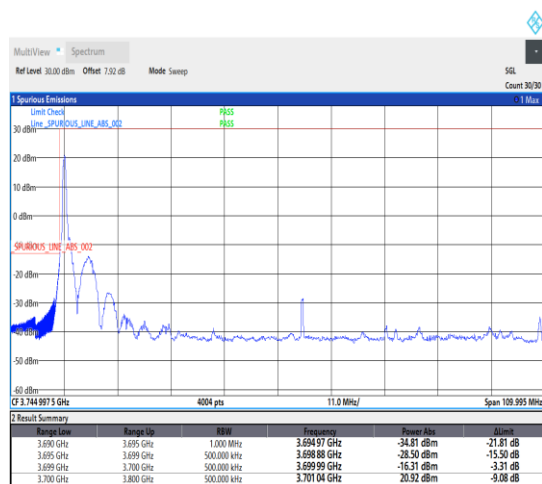
1-N77-3700-3980--30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph



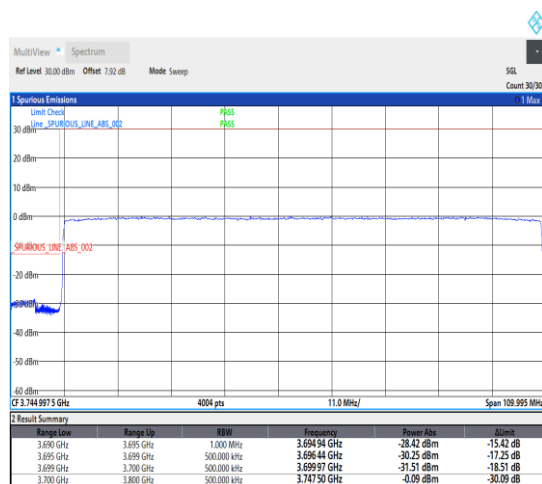
1-N77-3700-3980--30-90-H-6-CP-QPSK-Out er_Full-245@0-Ant1-1--PASS-see graph



1-N77-3700-3980--30-100-L-1-DFT-PI2BPSK -Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980--30-100-L-3-DFT-PI2BPSK -Outer_Full-270@0-Ant1-1--PASS-see graph

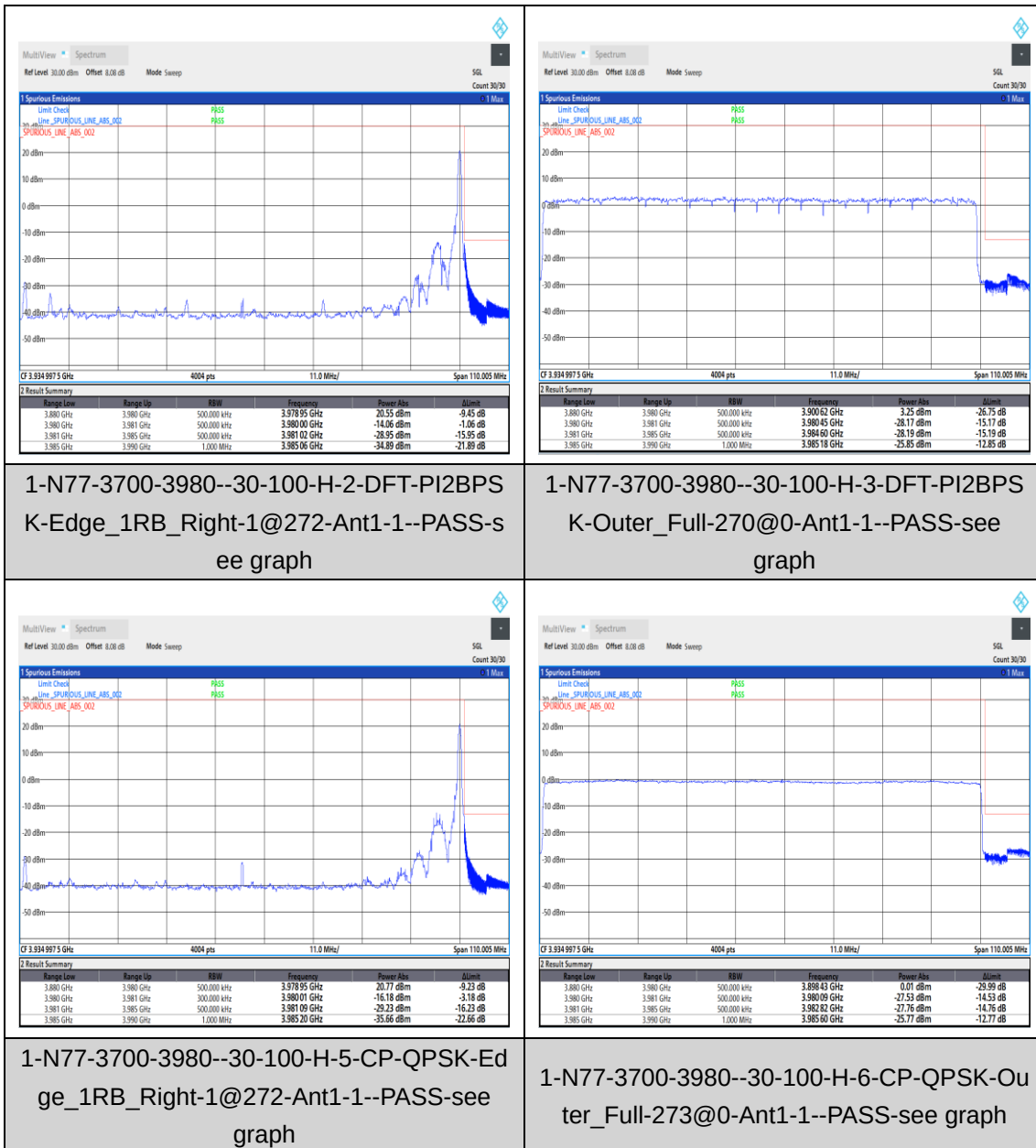


1-N77-3700-3980--30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



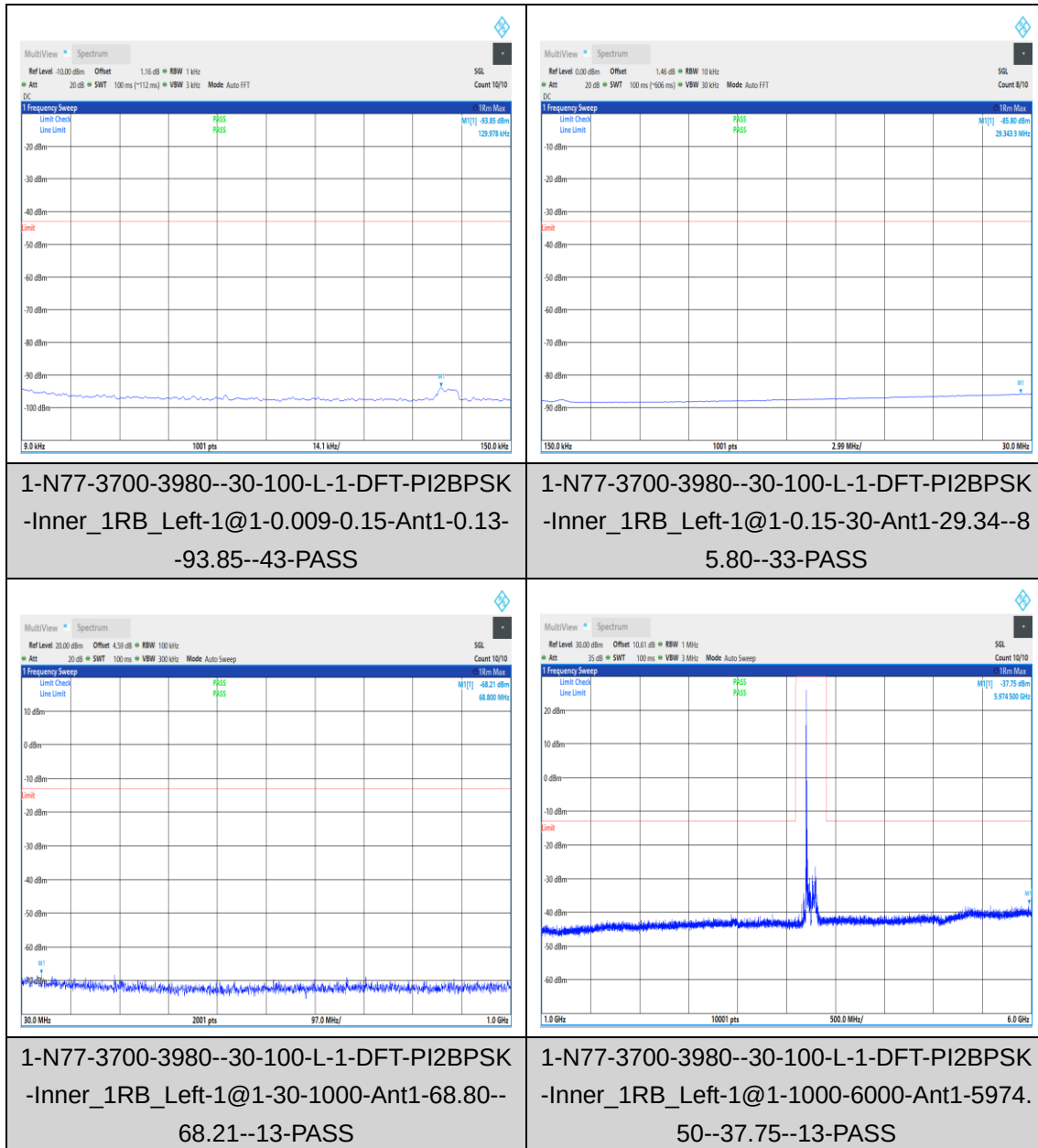
1-N77-3700-3980--30-100-L-6-CP-QPSK-Out er_Full-273@0-Ant1-1--PASS-see graph

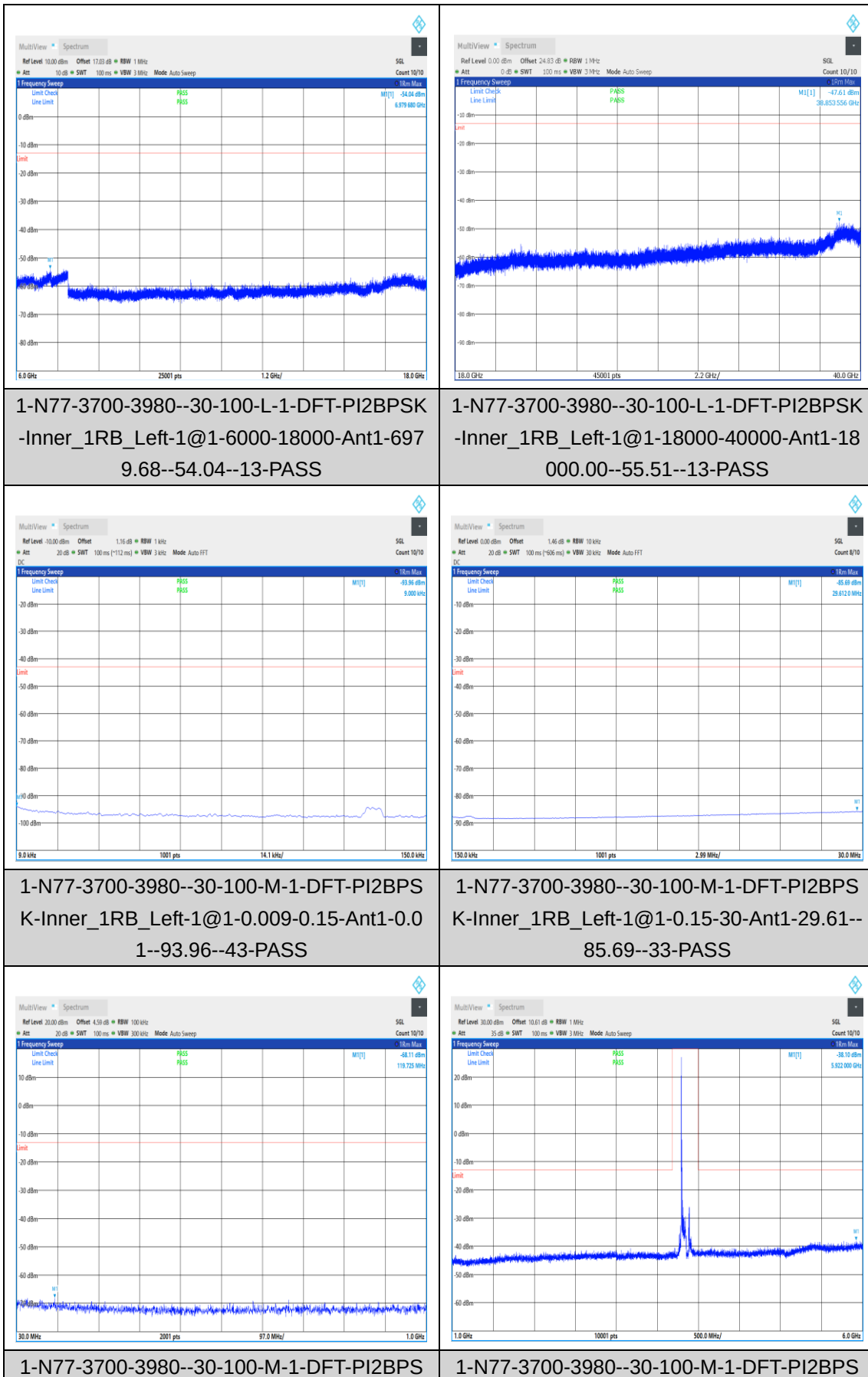


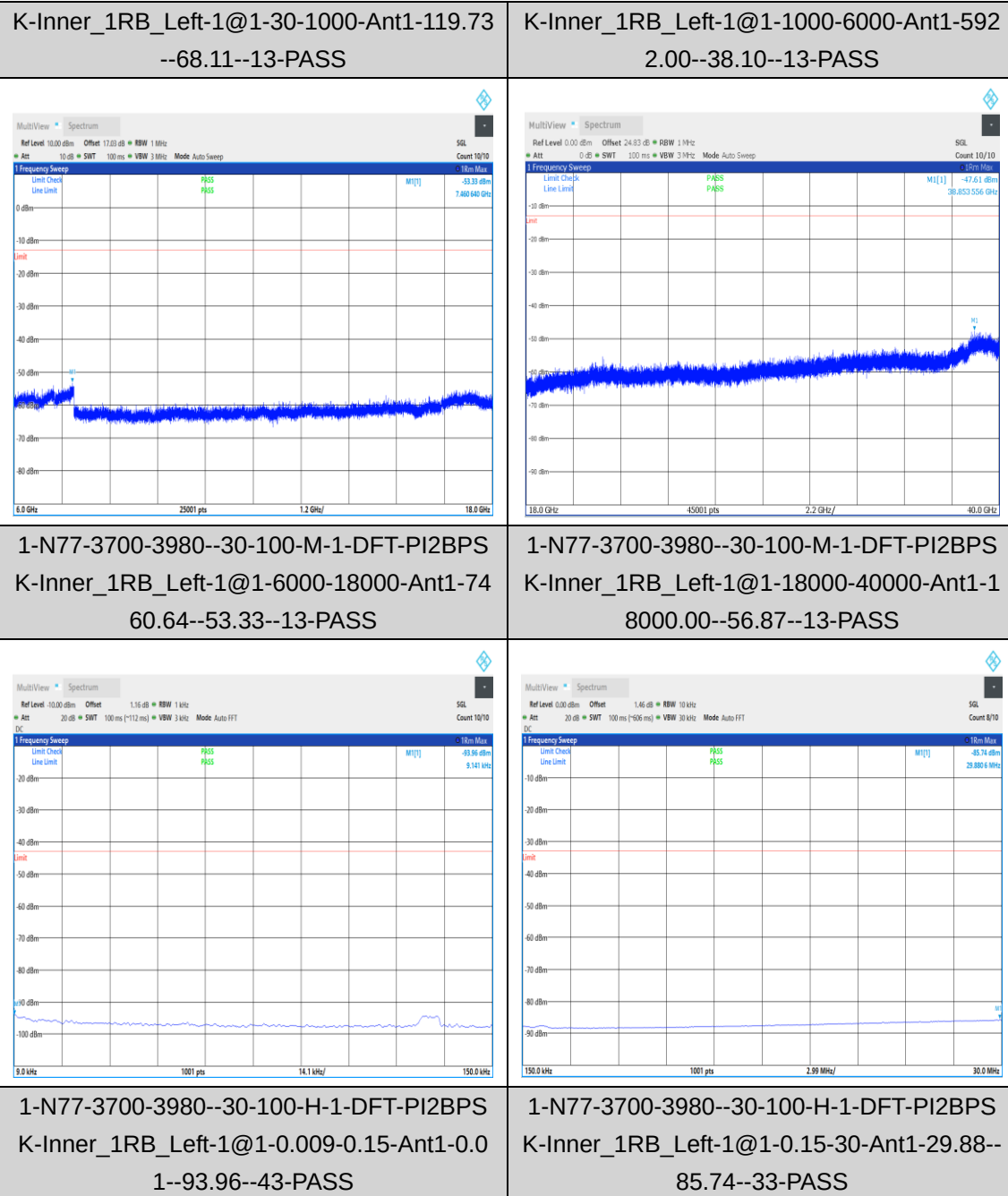


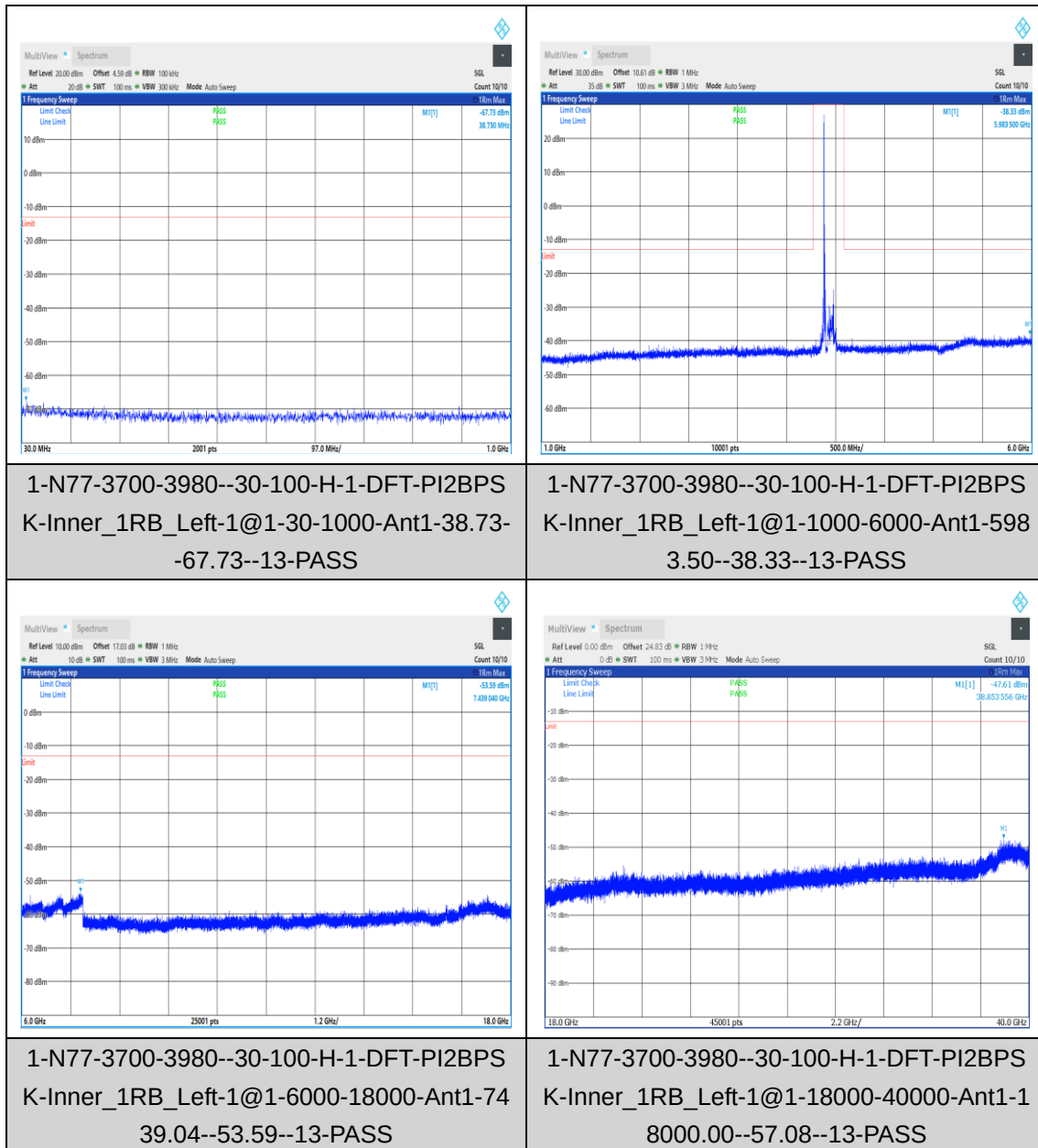
5. Conducted Spurious Emission for SA

Test Graphs









6.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
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	9.100000	0.002370	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	25.200000	0.006563	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	12.900000	0.003359	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	8.900000	0.002318	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	14.600000	0.003802	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	13.900000	0.003620	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	9.200000	0.002396	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	7.400000	0.001927	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	13.300000	0.003464	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	14.600000	0.003802	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	15.200000	0.003958	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	7.500000	0.001953	PASS
N77-370	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	11.700000	0.003047	PASS

0-3980										
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	16.000000	0.004167	PASS
N77-370 0-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	12.800000	0.003333	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	13.900000	0.003620	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	6.800000	0.001771	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	9.200000	0.002396	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	5.300000	0.001380	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	3.500000	0.000911	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	15.800000	0.004115	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	12.200000	0.003177	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	6.200000	0.001615	PASS
N77-370 0-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	13.700000	0.003568	PASS

7.Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	DFT-QPSK	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	DFT-16QAM	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	DFT-64QAM	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	DFT-256QAM	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-16QAM	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-64QAM	M	Outer_Full	see graph	PASS
N77-3700-3980	30	100	CP-256QAM	M	Outer_Full	see graph	PASS