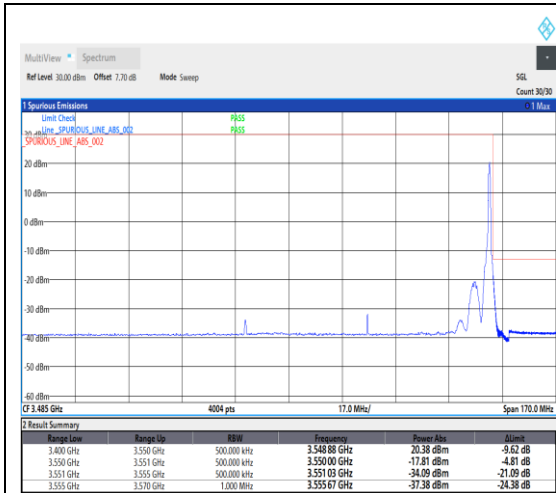
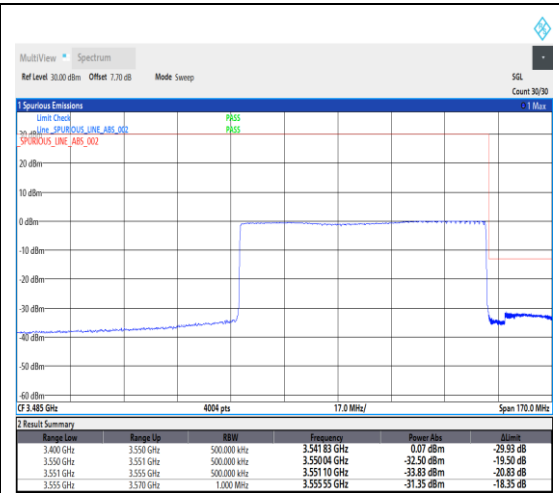
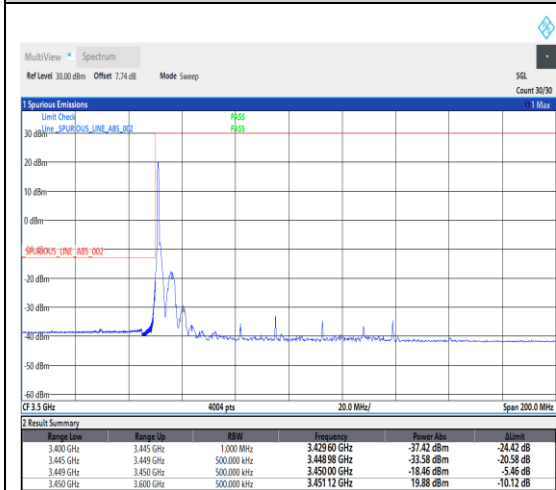




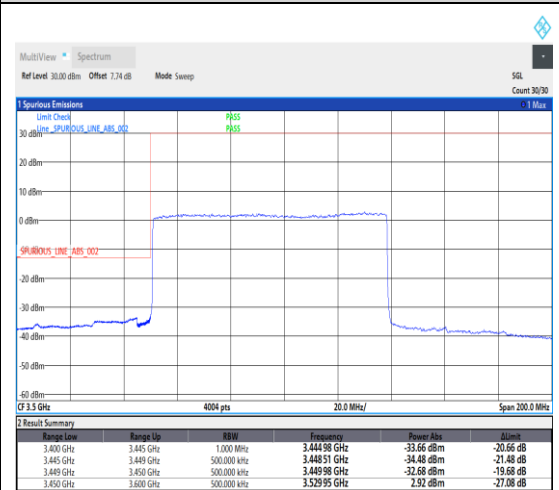
1-N78-3450-3550--30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-1---see graph



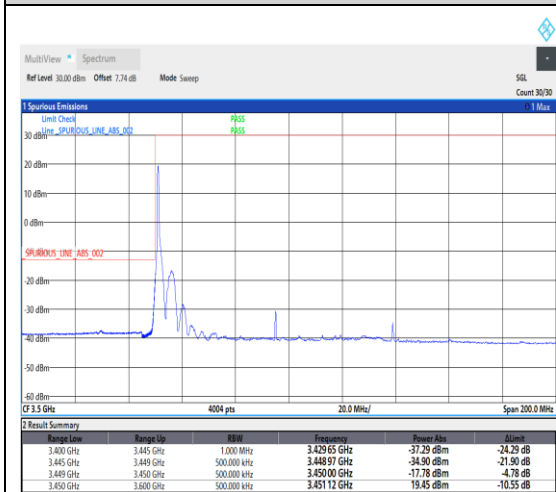
1-N78-3450-3550--30-80-H-6-CP-QPSK-Out_er_Full-217@0-Ant1-1---see graph



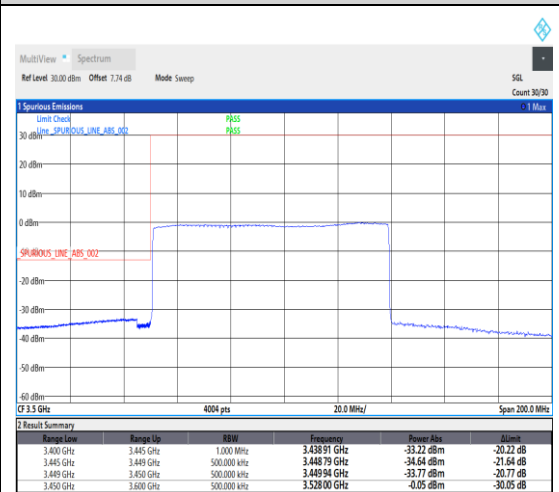
1-N78-3450-3550--30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1---see graph



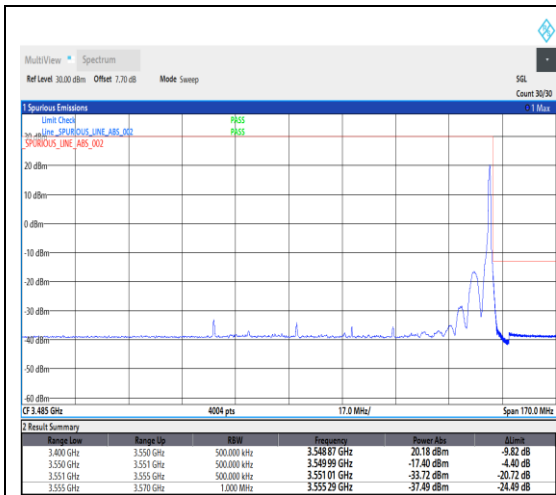
1-N78-3450-3550--30-90-L-3-DFT-PI2BPSK-Outer_Full-243@0-Ant1-1---see graph



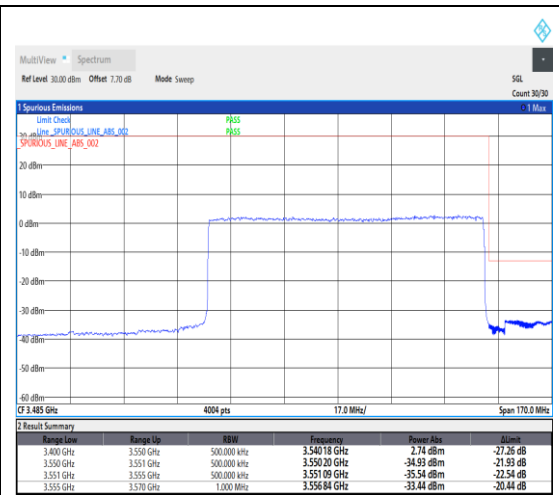
1-N78-3450-3550--30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1---see graph



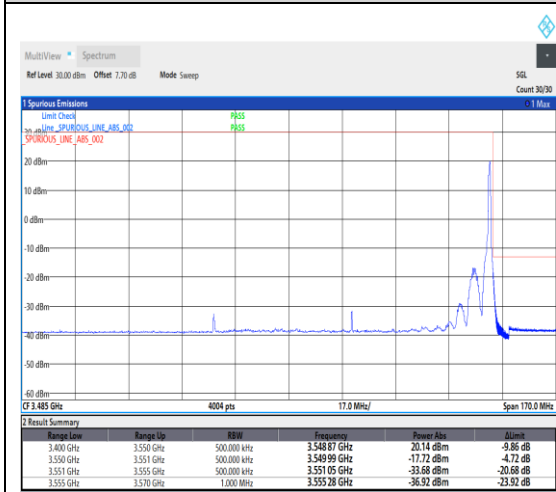
1-N78-3450-3550--30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1---see graph



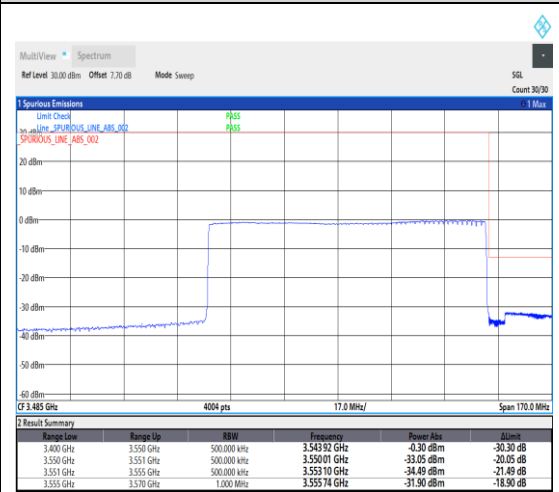
1-N78-3450-3550--30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant1-1---see graph



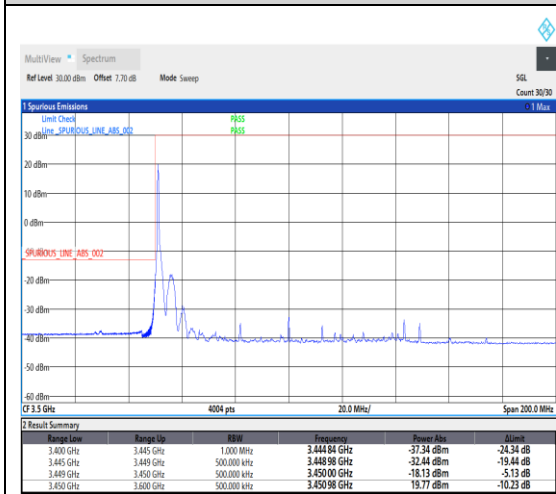
1-N78-3450-3550--30-90-H-3-DFT-PI2BPSK-Outer_Full-243@0-Ant1-1---see graph



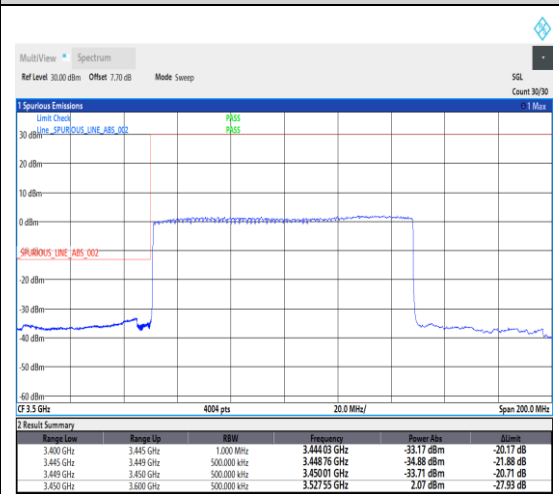
1-N78-3450-3550--30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-1---see graph



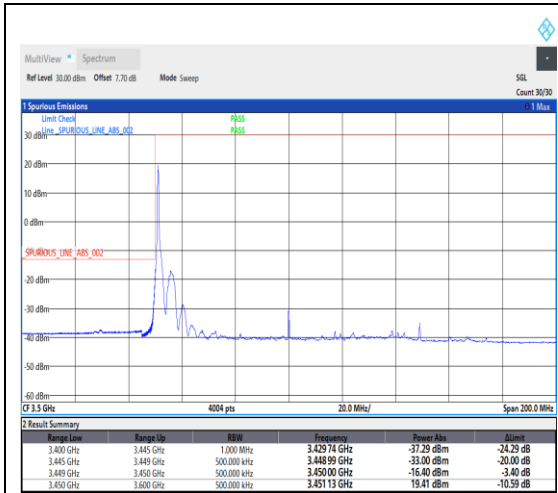
1-N78-3450-3550--30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-1---see graph



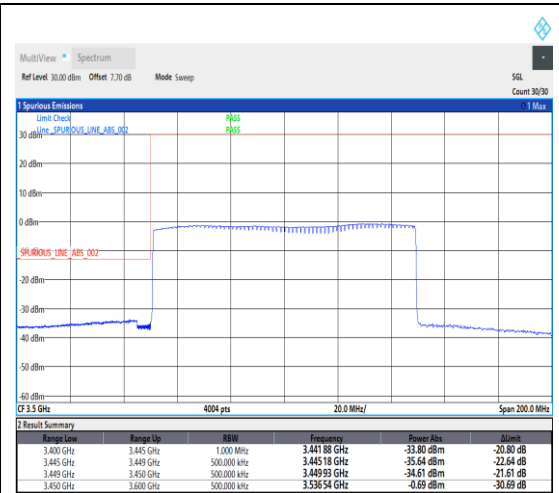
1-N78-3450-3550--30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1---see graph



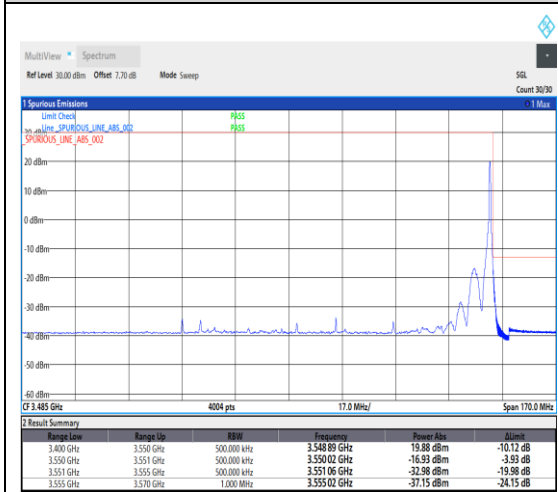
1-N78-3450-3550--30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1---see graph



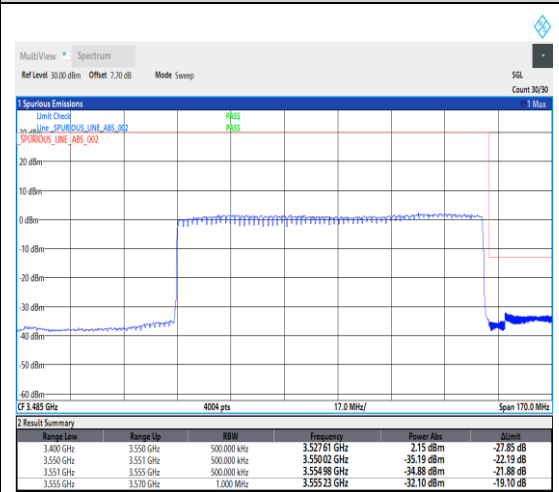
1-N78-3450-3550--30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1---see graph



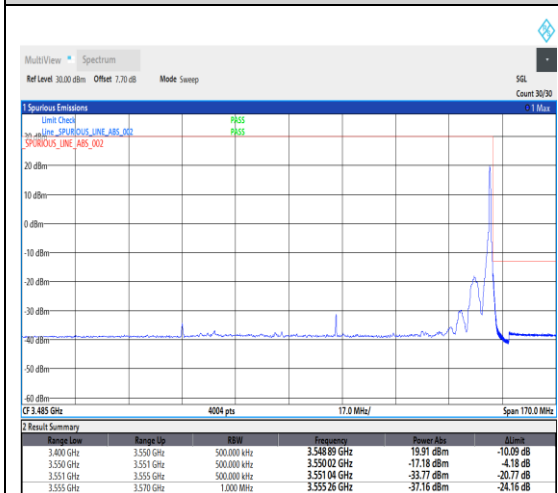
1-N78-3450-3550--30-100-L-6-CP-QPSK-Out_Full-273@0-Ant1-1---see graph



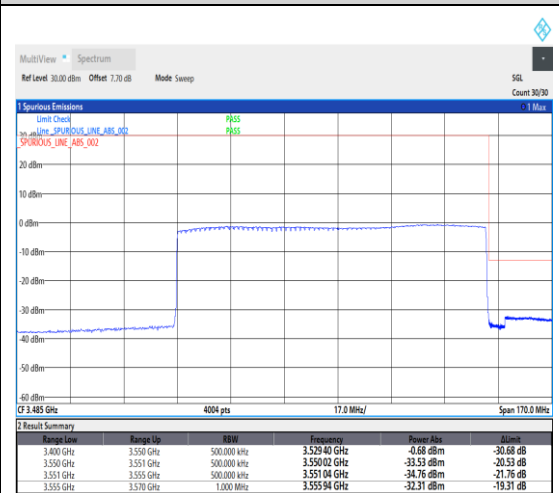
1-N78-3450-3550--30-100-H-2-DFT-PI2BPS K-Edge_1RB_Right-1@272-Ant1-1---see graph



1-N78-3450-3550--30-100-H-3-DFT-PI2BPS K-Out_Full-270@0-Ant1-1---see graph



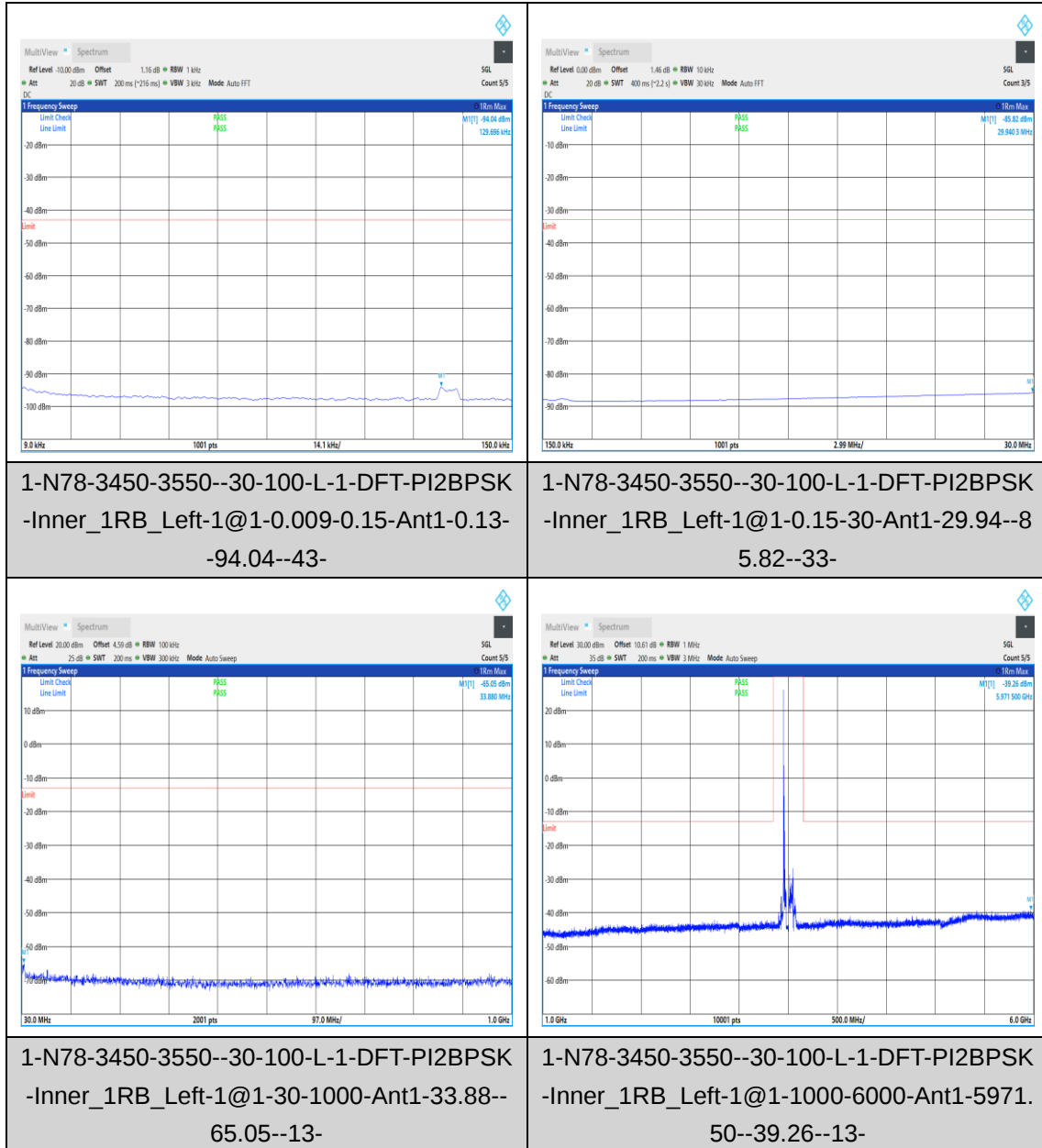
1-N78-3450-3550--30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1---see graph

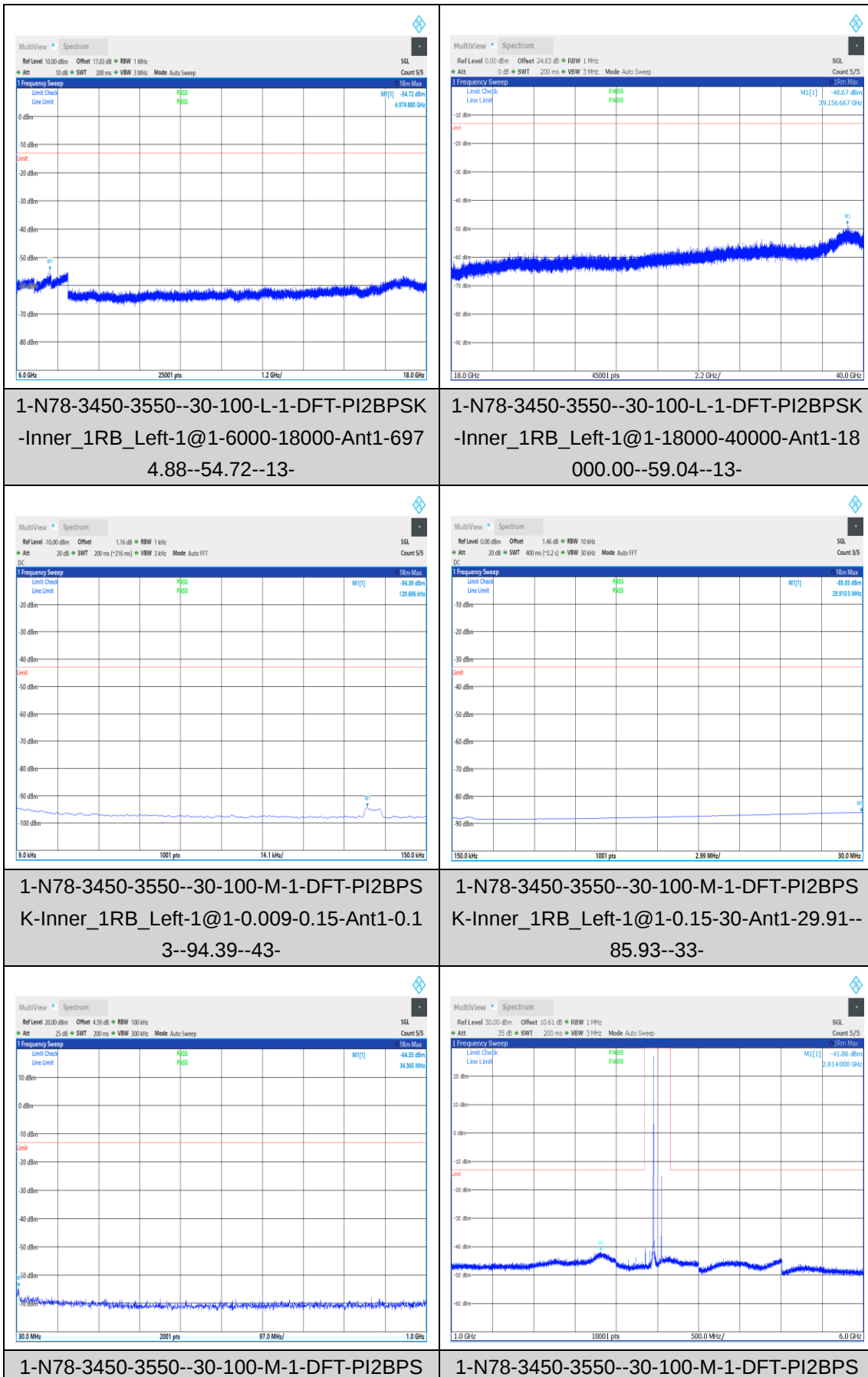


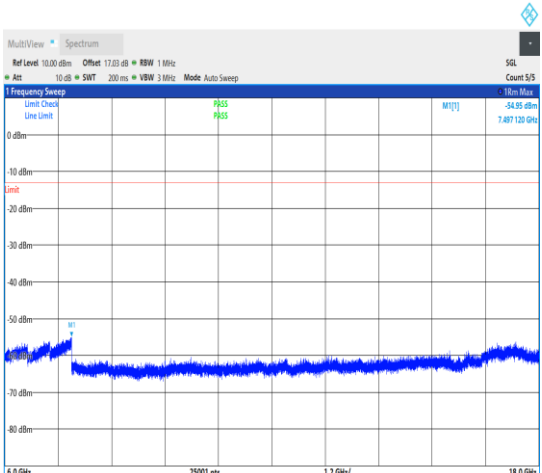
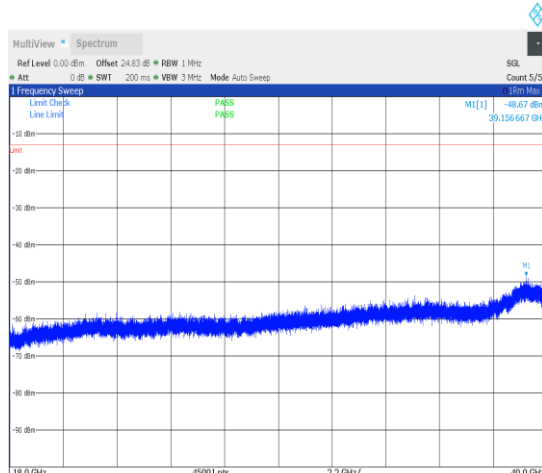
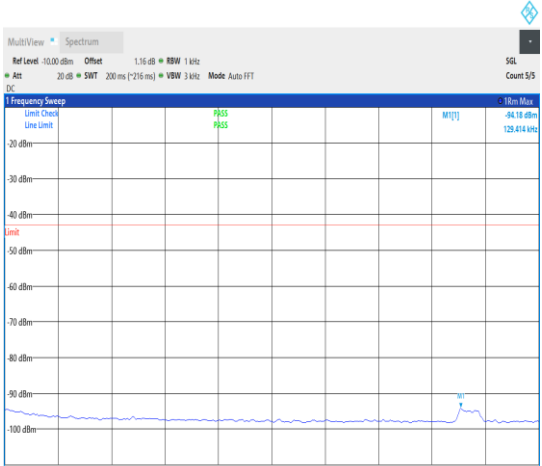
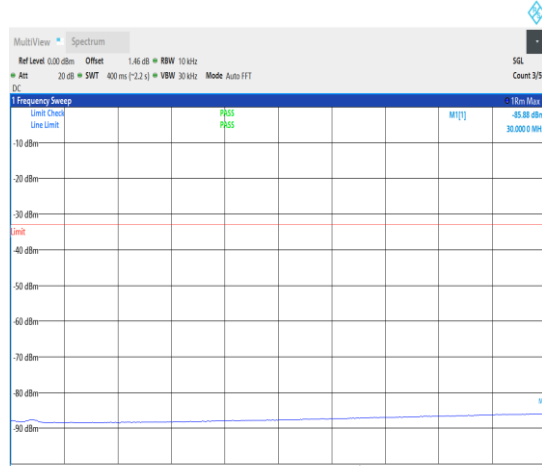
1-N78-3450-3550--30-100-H-6-CP-QPSK-Out_Full-273@0-Ant1-1---see graph

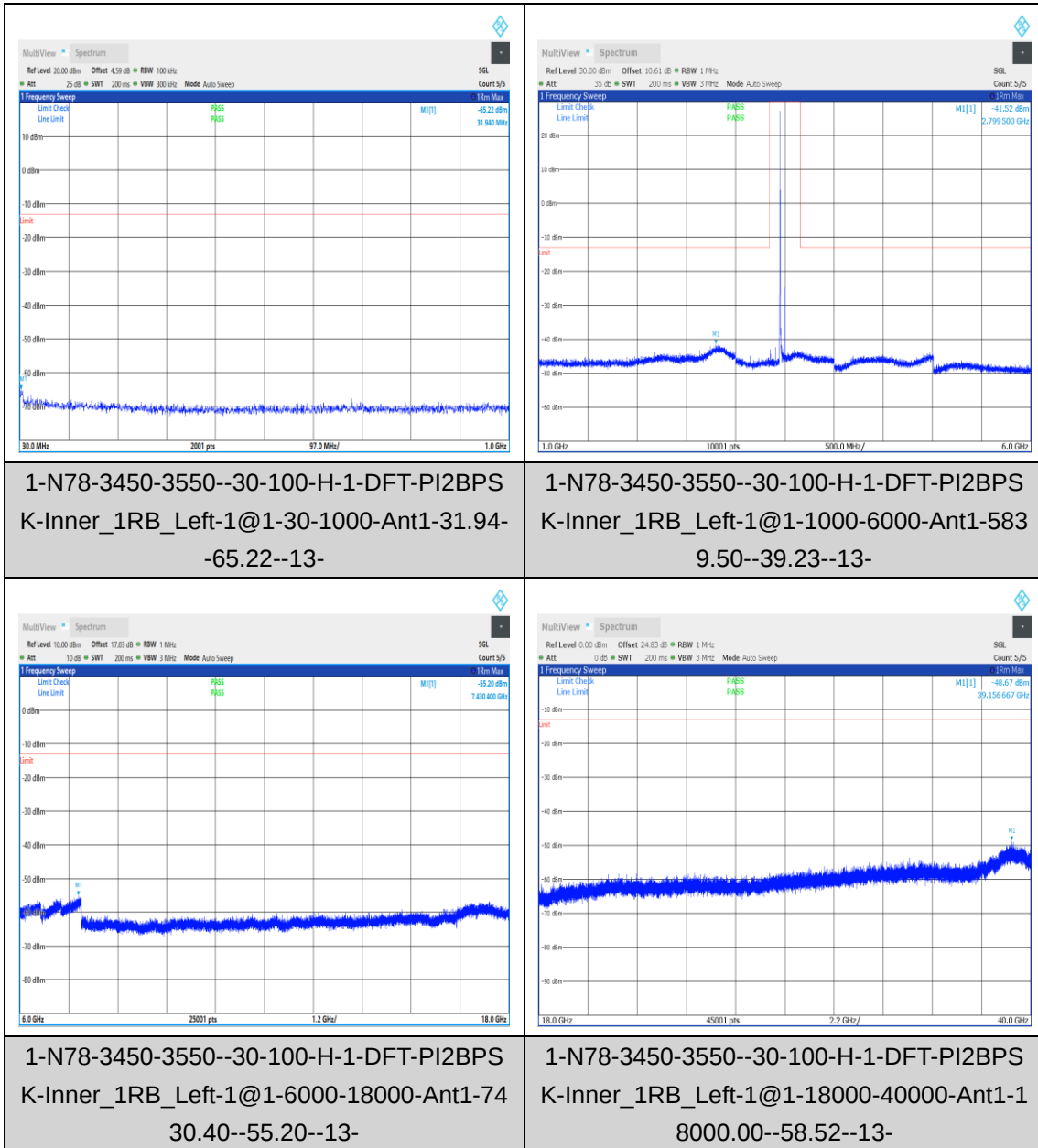
5. Conducted Spurious Emission for SA

Test Graphs





K-Inner_1RB_Left-1@1-30-1000-Ant1-34.37- -64.35--13-	K-Inner_1RB_Left-1@1-1000-6000-Ant1-589 9.00--38.87--13-
 MultiView Spectrum Ref Level: 10.00 dBm Offset: 17.03 dB RBW: 1 MHz Att: 10 dB SWT: 200 ms VBW: 3 MHz Mode: Auto Sweep SQL Count: 5/5 1 Frequency Sweep Limit Check: PASS Line Limit: PASS M1[1]: -64.35 dBm 7.407120 GHz 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 6.0 GHz 25001 pts 1.2 GHz/ 18.0 GHz	 MultiView Spectrum Ref Level: 0.00 dBm Offset: 24.83 dB RBW: 1 MHz Att: 0 dB SWT: 200 ms VBW: 3 MHz Mode: Auto Sweep SQL Count: 5/5 1 Frequency Sweep Limit Check: PASS Line Limit: PASS M1[1]: -48.67 dBm 39.156667 GHz -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 18.0 GHz 45001 pts 2.2 GHz/ 40.0 GHz
1-N78-3450-3550--30-100-M-1-DFT-PI2BPS K-Inner_1RB_Left-1@1-6000-18000-Ant1-74 97.12--54.95--13-	1-N78-3450-3550--30-100-M-1-DFT-PI2BPS K-Inner_1RB_Left-1@1-18000-40000-Ant1-1 8000.00--58.77--13-
 MultiView Spectrum Ref Level: 10.00 dBm Offset: 1.16 dB RBW: 1 kHz Att: 20 dB SWT: 200 ms ("216 ms") VBW: 3 kHz Mode: Auto FFT SQL Count: 5/5 DC 1 Frequency Sweep Limit Check: PASS Line Limit: PASS M1[1]: -84.18 dBm 129.414 kHz -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm -100 dBm 9.0 kHz 10001 pts 14.1 kHz/ 150.0 kHz	 MultiView Spectrum Ref Level: 0.00 dBm Offset: 1.46 dB RBW: 10 kHz Att: 20 dB SWT: 400 ms ("2.2 s") VBW: 30 kHz Mode: Auto FFT SQL Count: 3/5 DC 1 Frequency Sweep Limit Check: PASS Line Limit: PASS M1[1]: -85.88 dBm 30.0000 MHz -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm -90 dBm 150.0 kHz 10001 pts 2.99 MHz/ 30.0 MHz
1-N78-3450-3550--30-100-H-1-DFT-PI2BPS K-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.1 3--94.18--43-	1-N78-3450-3550--30-100-H-1-DFT-PI2BPS K-Inner_1RB_Left-1@1-0.15-30-Ant1-30.00-- 85.88--33-



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
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	9.700000	0.002771	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	8.700000	0.002486	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	8.100000	0.002314	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	17.000000	0.004857	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	10.500000	0.003000	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	9.800000	0.002800	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	8.600000	0.002457	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	10.900000	0.003114	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	6.400000	0.001829	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	7.600000	0.002171	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	4.300000	0.001229	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	13.500000	0.003857	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	12.800000	0.003657	PASS

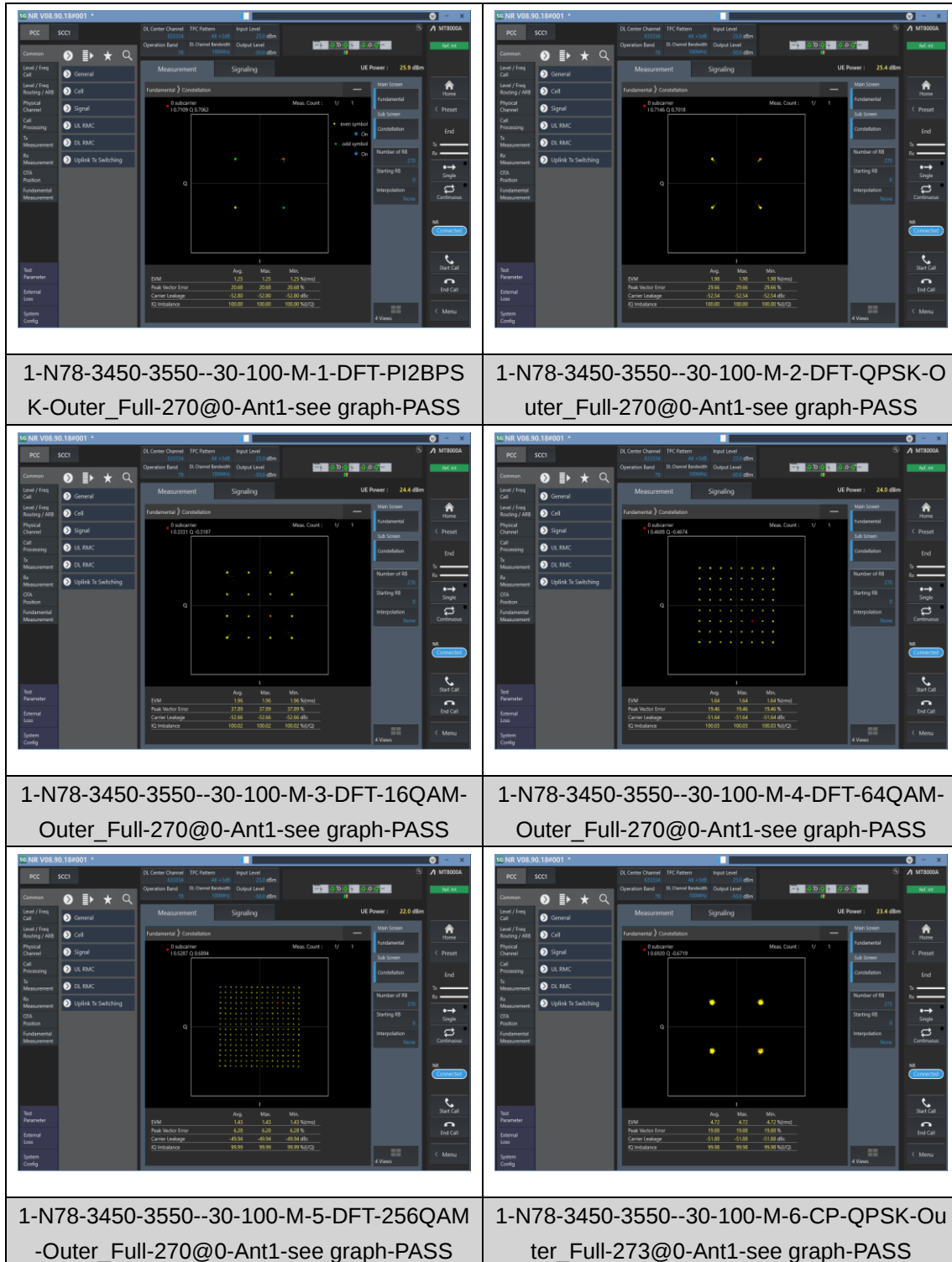
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	3.400000	0.000971	PASS
N78-345 0-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	9.100000	0.002600	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	7.400000	0.002114	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	4.100000	0.001171	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	7.300000	0.002086	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	2.200000	0.000629	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	8.300000	0.002371	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	4.700000	0.001343	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	3.400000	0.000971	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	40	6.500000	0.001857	PASS
N78-345 0-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	6.700000	0.001914	PASS

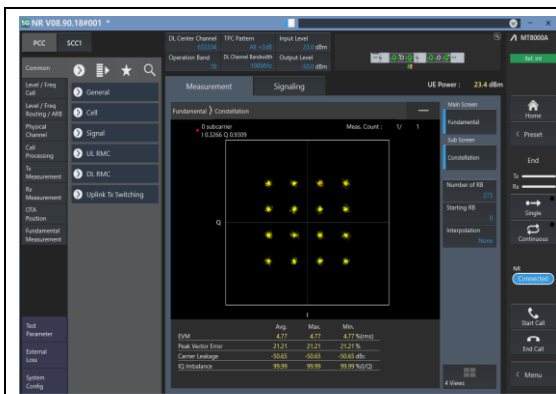
7.Modulation characteristics for SA

Test Result

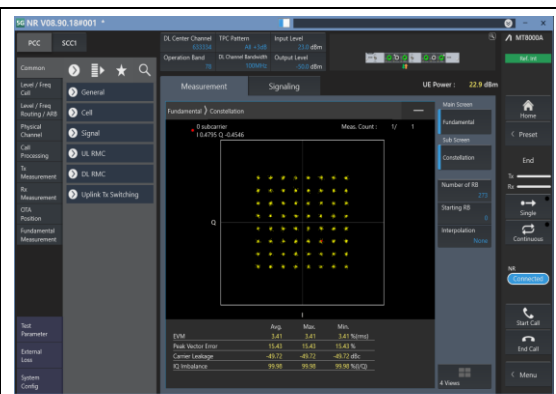
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N78-3450-3550	30	100	DFT-QPSK	M	Outer_Full	see graph	PASS
N78-3450-3550	30	100	DFT-16QAM	M	Outer_Full	see graph	PASS
N78-3450-3550	30	100	DFT-64QAM	M	Outer_Full	see graph	PASS
N78-3450-3550	30	100	DFT-256QAM	M	Outer_Full	see graph	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	see graph	PASS
N78-3450-3550	30	100	CP-16QAM	M	Outer_Full	see graph	PASS
N78-3450-3550	30	100	CP-64QAM	M	Outer_Full	see graph	PASS
N78-3450-3550	30	100	CP-256QAM	M	Outer_Full	see graph	PASS

Test Graphs

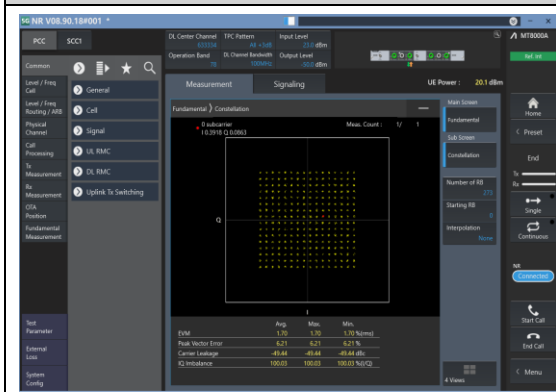




1-N78-3450-3550--30-100-M-7-CP-16QAM-Outer_Full-273@0-Ant1-see graph-PASS



1-N78-3450-3550--30-100-M-8-CP-64QAM-Outer_Full-273@0-Ant1-see graph-PASS



1-N78-3450-3550--30-100-M-9-CP-256QAM-Outer_Full-273@0-Ant1-see graph-PASS