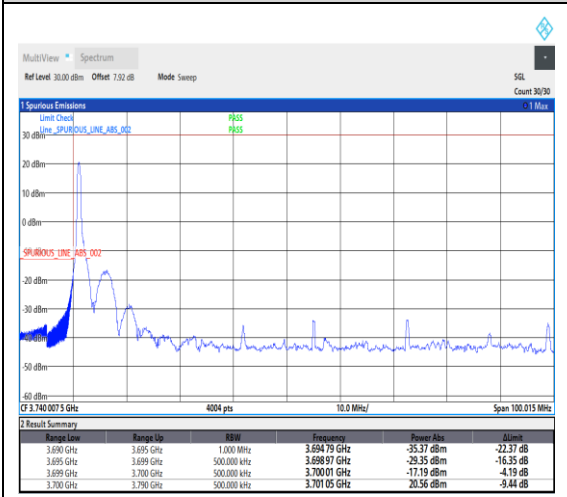
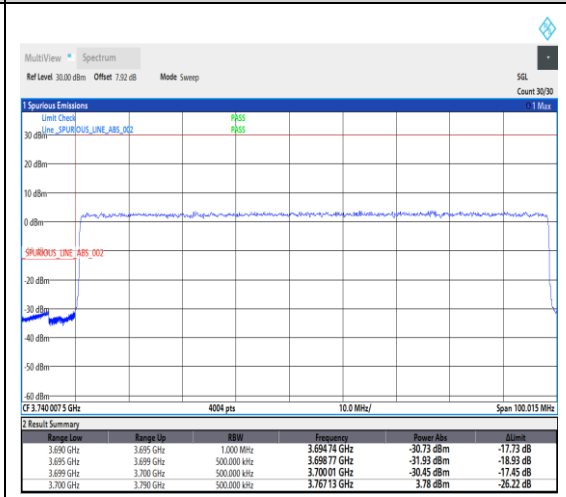
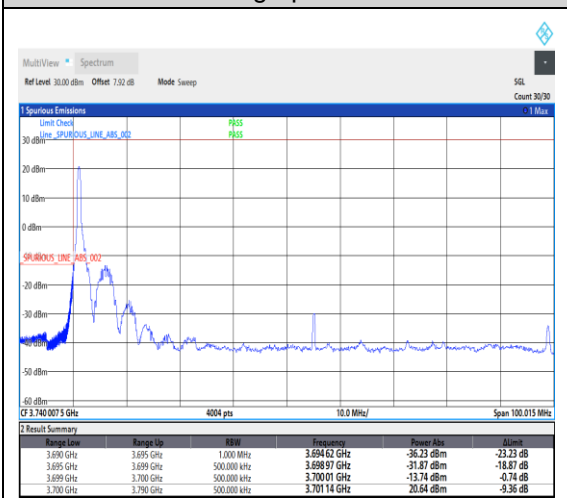
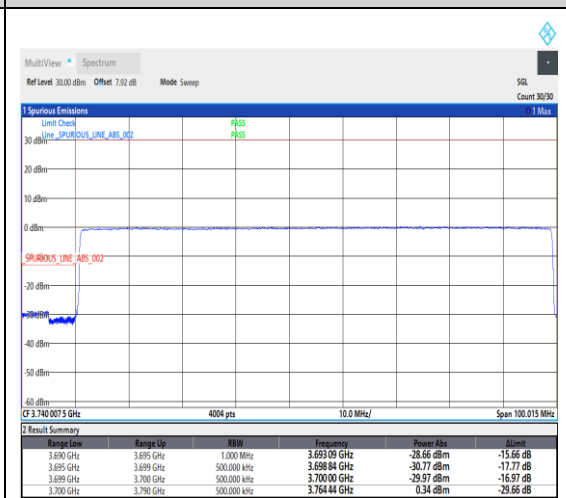
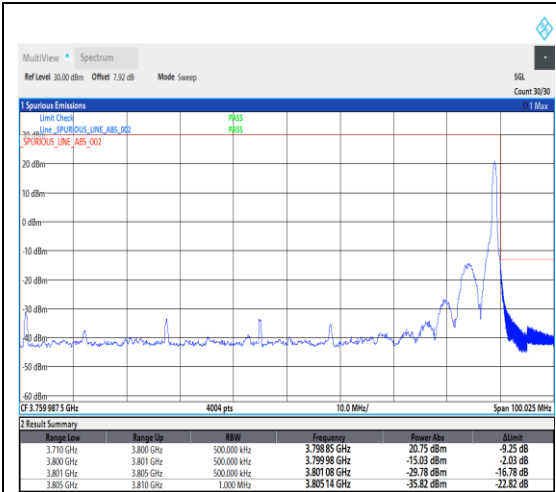
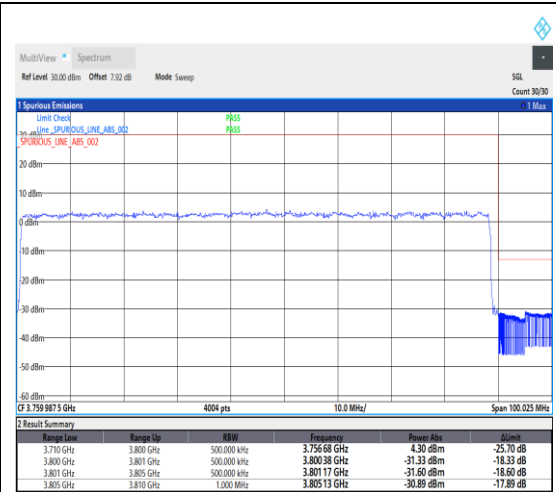


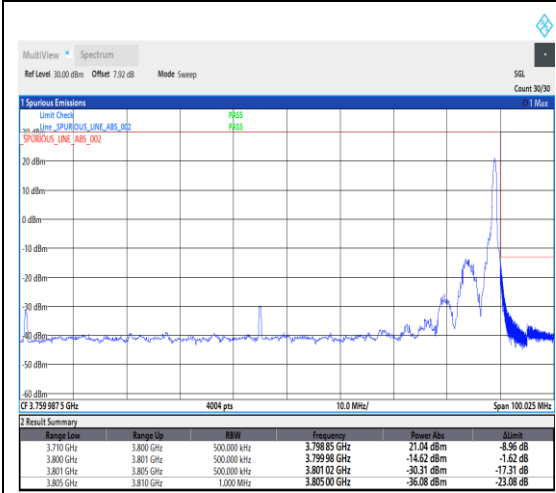
<p>1-N78-3700-3800--30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph</p>	<p>1-N78-3700-3800--30-80-H-6-CP-QPSK-Out_er_Full-217@0-Ant1-1--PASS-see graph</p>																																																												
 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 7.92 dB Mode Sweep Count 3030</p> <p>1 Spurious Emissions Limit Check PASS Line SPURIOUS_LINE_ABS_002 PASS</p> <p>SPURIOUS_LINE_ABS_002</p> <p>CF 3.740 0075 GHz 4004 pts 10.0 MHz/ Span 100.015 MHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>3.690 GHz</td> <td>3.695 GHz</td> <td>1.000 MHz</td> <td>3.694 79 GHz</td> <td>-35.37 dBm</td> <td>-22.37 dB</td> </tr> <tr> <td>3.695 GHz</td> <td>3.699 GHz</td> <td>500.000 kHz</td> <td>3.696 97 GHz</td> <td>-29.35 dBm</td> <td>-16.35 dB</td> </tr> <tr> <td>3.699 GHz</td> <td>3.700 GHz</td> <td>500.000 kHz</td> <td>3.700 01 GHz</td> <td>-17.19 dBm</td> <td>-4.19 dB</td> </tr> <tr> <td>3.700 GHz</td> <td>3.790 GHz</td> <td>500.000 kHz</td> <td>3.701 05 GHz</td> <td>20.56 dBm</td> <td>-9.44 dB</td> </tr> </tbody> </table>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	3.690 GHz	3.695 GHz	1.000 MHz	3.694 79 GHz	-35.37 dBm	-22.37 dB	3.695 GHz	3.699 GHz	500.000 kHz	3.696 97 GHz	-29.35 dBm	-16.35 dB	3.699 GHz	3.700 GHz	500.000 kHz	3.700 01 GHz	-17.19 dBm	-4.19 dB	3.700 GHz	3.790 GHz	500.000 kHz	3.701 05 GHz	20.56 dBm	-9.44 dB	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 7.92 dB Mode Sweep Count 3030</p> <p>1 Spurious Emissions Limit Check PASS Line SPURIOUS_LINE_ABS_002 PASS</p> <p>SPURIOUS_LINE_ABS_002</p> <p>CF 3.740 0075 GHz 4004 pts 10.0 MHz/ Span 100.015 MHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>3.690 GHz</td> <td>3.695 GHz</td> <td>1.000 MHz</td> <td>3.694 74 GHz</td> <td>-30.73 dBm</td> <td>-17.73 dB</td> </tr> <tr> <td>3.695 GHz</td> <td>3.699 GHz</td> <td>500.000 kHz</td> <td>3.696 77 GHz</td> <td>-31.93 dBm</td> <td>-18.93 dB</td> </tr> <tr> <td>3.699 GHz</td> <td>3.700 GHz</td> <td>500.000 kHz</td> <td>3.700 01 GHz</td> <td>-30.45 dBm</td> <td>-17.45 dB</td> </tr> <tr> <td>3.700 GHz</td> <td>3.790 GHz</td> <td>500.000 kHz</td> <td>3.767 13 GHz</td> <td>3.78 dBm</td> <td>-26.22 dB</td> </tr> </tbody> </table>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	3.690 GHz	3.695 GHz	1.000 MHz	3.694 74 GHz	-30.73 dBm	-17.73 dB	3.695 GHz	3.699 GHz	500.000 kHz	3.696 77 GHz	-31.93 dBm	-18.93 dB	3.699 GHz	3.700 GHz	500.000 kHz	3.700 01 GHz	-30.45 dBm	-17.45 dB	3.700 GHz	3.790 GHz	500.000 kHz	3.767 13 GHz	3.78 dBm	-26.22 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Limit																																																								
3.690 GHz	3.695 GHz	1.000 MHz	3.694 79 GHz	-35.37 dBm	-22.37 dB																																																								
3.695 GHz	3.699 GHz	500.000 kHz	3.696 97 GHz	-29.35 dBm	-16.35 dB																																																								
3.699 GHz	3.700 GHz	500.000 kHz	3.700 01 GHz	-17.19 dBm	-4.19 dB																																																								
3.700 GHz	3.790 GHz	500.000 kHz	3.701 05 GHz	20.56 dBm	-9.44 dB																																																								
Range Low	Range Up	RBW	Frequency	Power Abs	Limit																																																								
3.690 GHz	3.695 GHz	1.000 MHz	3.694 74 GHz	-30.73 dBm	-17.73 dB																																																								
3.695 GHz	3.699 GHz	500.000 kHz	3.696 77 GHz	-31.93 dBm	-18.93 dB																																																								
3.699 GHz	3.700 GHz	500.000 kHz	3.700 01 GHz	-30.45 dBm	-17.45 dB																																																								
3.700 GHz	3.790 GHz	500.000 kHz	3.767 13 GHz	3.78 dBm	-26.22 dB																																																								
<p>1-N78-3700-3800--30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph</p>	<p>1-N78-3700-3800--30-90-L-3-DFT-PI2BPSK-Outer_Full-243@0-Ant1-1--PASS-see graph</p>																																																												
 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 7.92 dB Mode Sweep Count 3030</p> <p>1 Spurious Emissions Limit Check PASS Line SPURIOUS_LINE_ABS_002 PASS</p> <p>SPURIOUS_LINE_ABS_002</p> <p>CF 3.740 0075 GHz 4004 pts 10.0 MHz/ Span 100.015 MHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>3.690 GHz</td> <td>3.695 GHz</td> <td>1.000 MHz</td> <td>3.694 62 GHz</td> <td>-36.23 dBm</td> <td>-23.23 dB</td> </tr> <tr> <td>3.695 GHz</td> <td>3.699 GHz</td> <td>500.000 kHz</td> <td>3.696 97 GHz</td> <td>-31.87 dBm</td> <td>-18.87 dB</td> </tr> <tr> <td>3.699 GHz</td> <td>3.700 GHz</td> <td>500.000 kHz</td> <td>3.700 01 GHz</td> <td>-13.74 dBm</td> <td>-0.74 dB</td> </tr> <tr> <td>3.700 GHz</td> <td>3.790 GHz</td> <td>500.000 kHz</td> <td>3.701 14 GHz</td> <td>20.64 dBm</td> <td>-9.36 dB</td> </tr> </tbody> </table>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	3.690 GHz	3.695 GHz	1.000 MHz	3.694 62 GHz	-36.23 dBm	-23.23 dB	3.695 GHz	3.699 GHz	500.000 kHz	3.696 97 GHz	-31.87 dBm	-18.87 dB	3.699 GHz	3.700 GHz	500.000 kHz	3.700 01 GHz	-13.74 dBm	-0.74 dB	3.700 GHz	3.790 GHz	500.000 kHz	3.701 14 GHz	20.64 dBm	-9.36 dB	 <p>MultiView Spectrum Ref Level 30.00 dBm Offset 7.92 dB Mode Sweep Count 3030</p> <p>1 Spurious Emissions Limit Check PASS Line SPURIOUS_LINE_ABS_002 PASS</p> <p>SPURIOUS_LINE_ABS_002</p> <p>CF 3.740 0075 GHz 4004 pts 10.0 MHz/ Span 100.015 MHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>3.690 GHz</td> <td>3.695 GHz</td> <td>1.000 MHz</td> <td>3.693 09 GHz</td> <td>-28.66 dBm</td> <td>-15.66 dB</td> </tr> <tr> <td>3.695 GHz</td> <td>3.699 GHz</td> <td>500.000 kHz</td> <td>3.696 84 GHz</td> <td>-30.77 dBm</td> <td>-17.77 dB</td> </tr> <tr> <td>3.699 GHz</td> <td>3.700 GHz</td> <td>500.000 kHz</td> <td>3.700 00 GHz</td> <td>-29.97 dBm</td> <td>-16.97 dB</td> </tr> <tr> <td>3.700 GHz</td> <td>3.790 GHz</td> <td>500.000 kHz</td> <td>3.764 44 GHz</td> <td>0.34 dBm</td> <td>-29.66 dB</td> </tr> </tbody> </table>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	3.690 GHz	3.695 GHz	1.000 MHz	3.693 09 GHz	-28.66 dBm	-15.66 dB	3.695 GHz	3.699 GHz	500.000 kHz	3.696 84 GHz	-30.77 dBm	-17.77 dB	3.699 GHz	3.700 GHz	500.000 kHz	3.700 00 GHz	-29.97 dBm	-16.97 dB	3.700 GHz	3.790 GHz	500.000 kHz	3.764 44 GHz	0.34 dBm	-29.66 dB
Range Low	Range Up	RBW	Frequency	Power Abs	Limit																																																								
3.690 GHz	3.695 GHz	1.000 MHz	3.694 62 GHz	-36.23 dBm	-23.23 dB																																																								
3.695 GHz	3.699 GHz	500.000 kHz	3.696 97 GHz	-31.87 dBm	-18.87 dB																																																								
3.699 GHz	3.700 GHz	500.000 kHz	3.700 01 GHz	-13.74 dBm	-0.74 dB																																																								
3.700 GHz	3.790 GHz	500.000 kHz	3.701 14 GHz	20.64 dBm	-9.36 dB																																																								
Range Low	Range Up	RBW	Frequency	Power Abs	Limit																																																								
3.690 GHz	3.695 GHz	1.000 MHz	3.693 09 GHz	-28.66 dBm	-15.66 dB																																																								
3.695 GHz	3.699 GHz	500.000 kHz	3.696 84 GHz	-30.77 dBm	-17.77 dB																																																								
3.699 GHz	3.700 GHz	500.000 kHz	3.700 00 GHz	-29.97 dBm	-16.97 dB																																																								
3.700 GHz	3.790 GHz	500.000 kHz	3.764 44 GHz	0.34 dBm	-29.66 dB																																																								
<p>1-N78-3700-3800--30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph</p>	<p>1-N78-3700-3800--30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph</p>																																																												



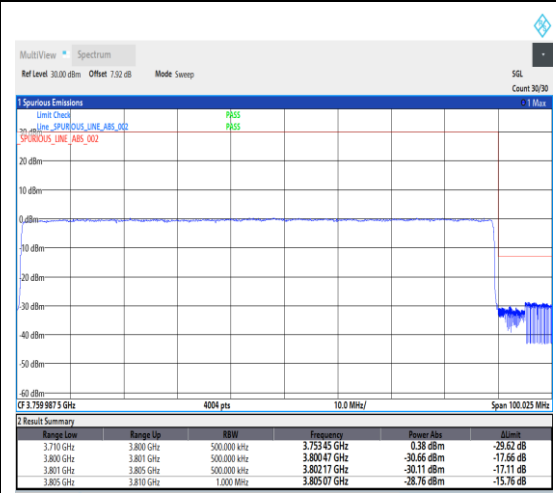
1-N78-3700-3800--30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph



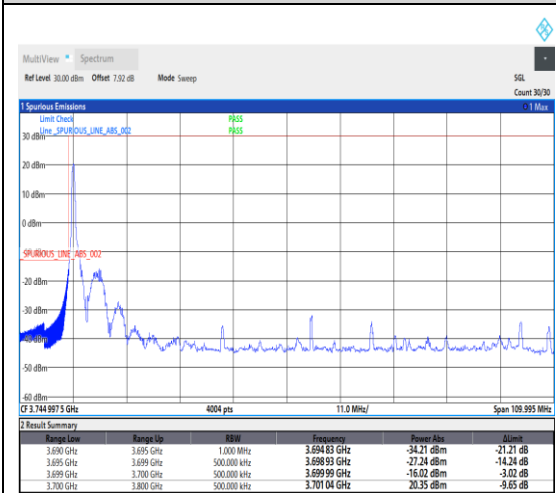
1-N78-3700-3800--30-90-H-3-DFT-PI2BPSK-Outer_Full-243@0-Ant1-1--PASS-see graph



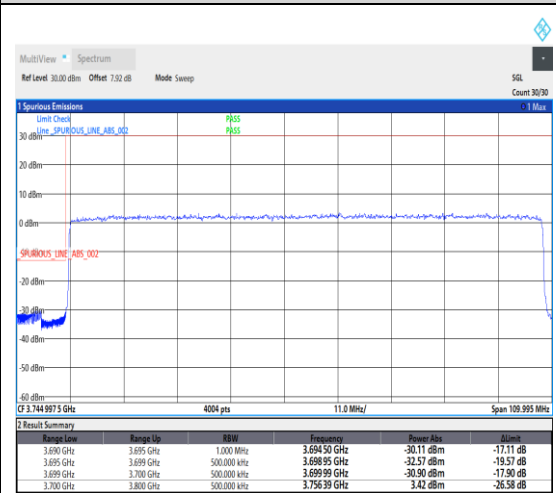
1-N78-3700-3800--30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph



1-N78-3700-3800--30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph

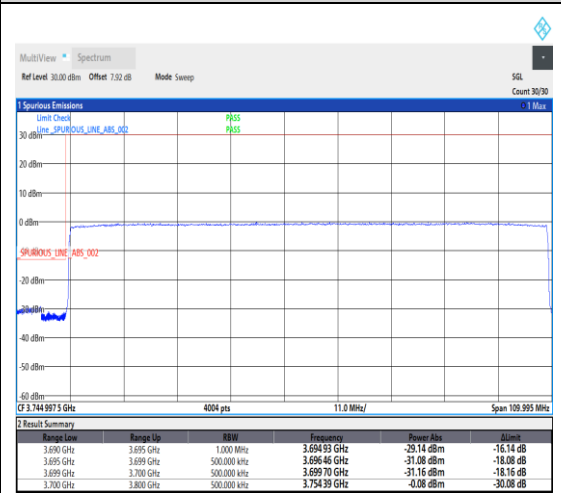
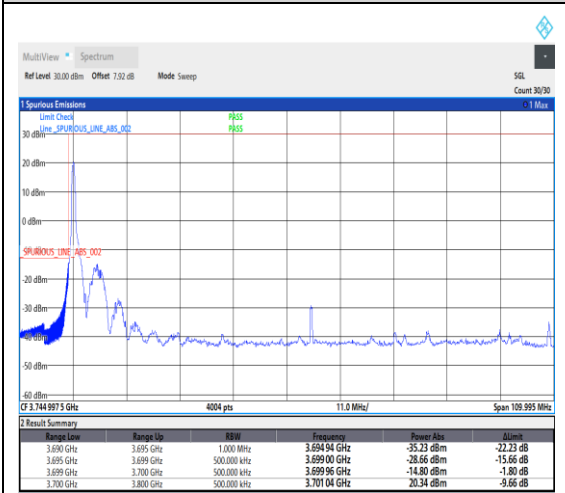


1-N78-3700-3800--30-100-L-1-DFT-PI2BPSK



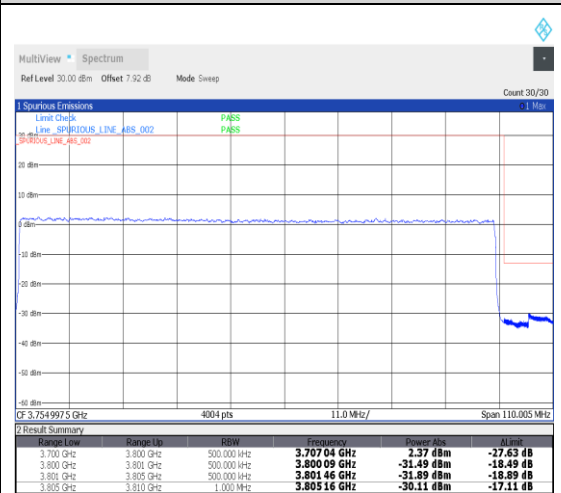
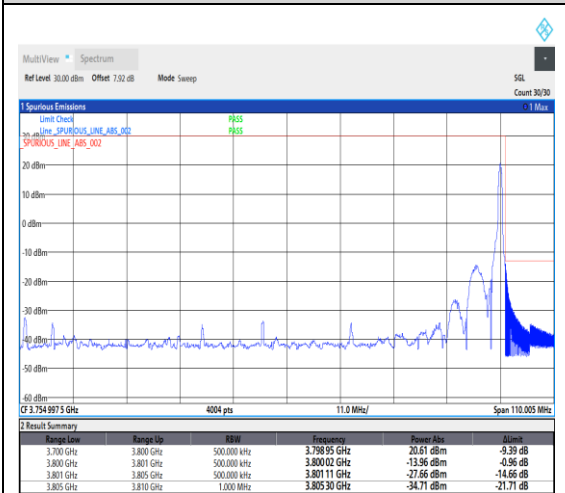
1-N78-3700-3800--30-100-L-3-DFT-PI2BPSK

-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph **-Outer_Full-270@0-Ant1-1--PASS-see graph**



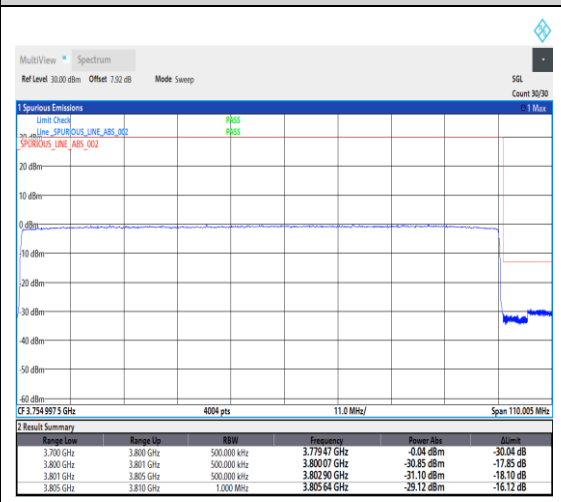
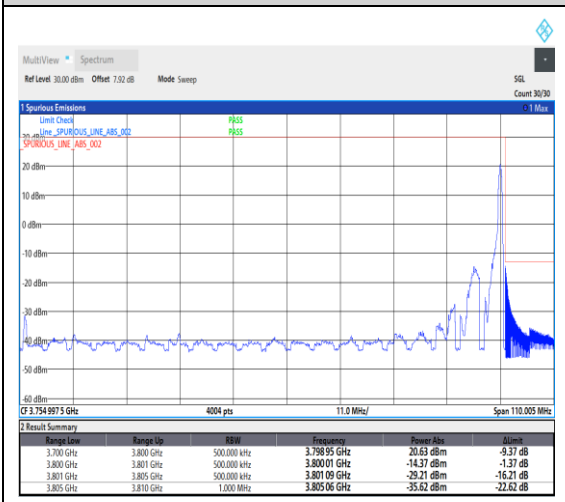
1-N78-3700-3800--30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800--30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



1-N78-3700-3800--30-100-H-2-DFT-PI2BPS K-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph

1-N78-3700-3800--30-100-H-3-DFT-PI2BPS K-Outer_Full-270@0-Ant1-1--PASS-see graph



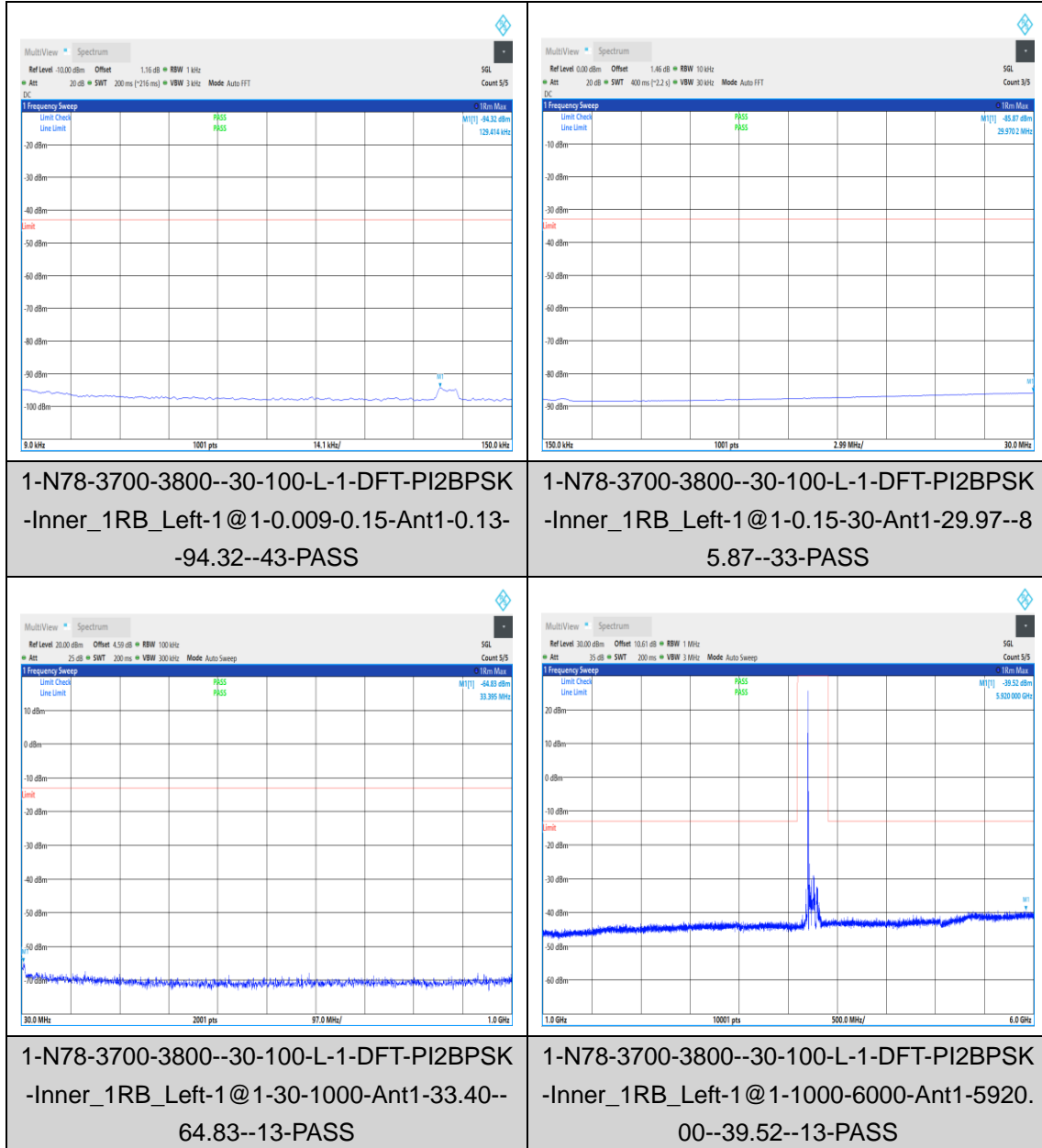


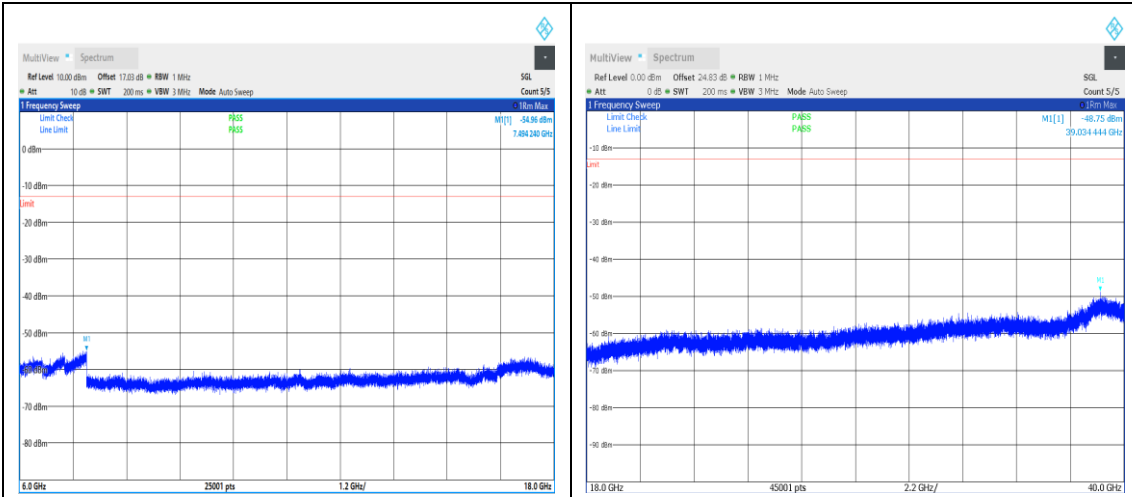
1-N78-3700-3800--30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph

1-N78-3700-3800--30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph

5. Conducted Spurious Emission for SA

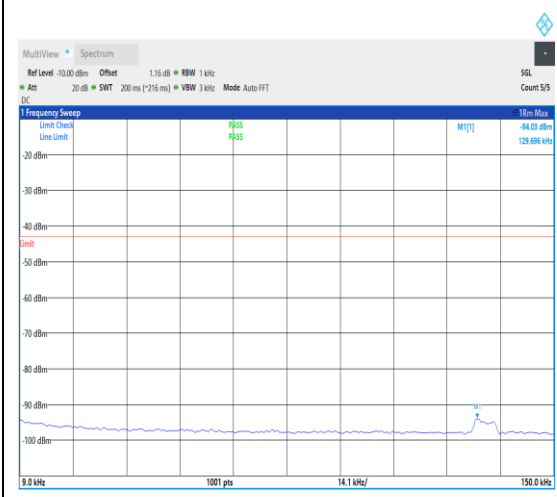
Test Graphs



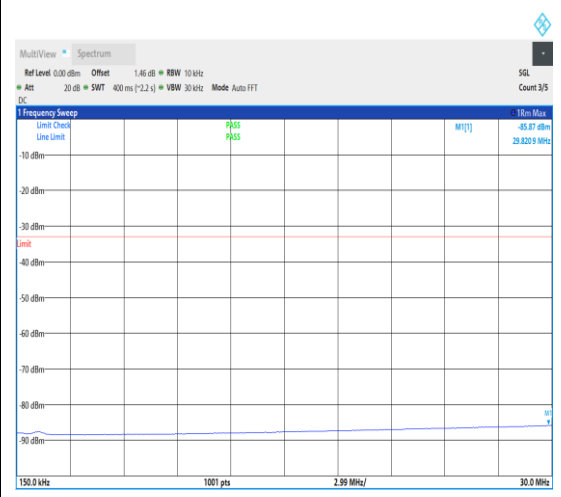


1-N78-3700-3800--30-100-L-1-DFT-PI2BPSK
-Inner_1RB_Left-1@1-6000-18000-Ant1-749
4.24--54.96--13-PASS

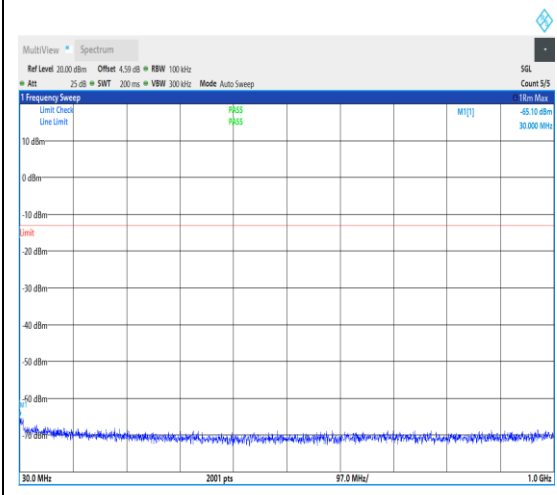
1-N78-3700-3800--30-100-L-1-DFT-PI2BPSK
-Inner_1RB_Left-1@1-18000-40000-Ant1-18
000.00--58.44--13-PASS



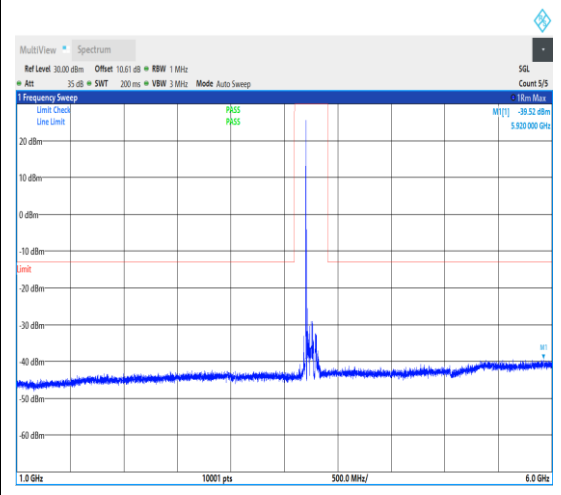
1-N78-3700-3800--30-100-M-1-DFT-PI2BPS
K-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.1
3--94.03--43-PASS



1-N78-3700-3800--30-100-M-1-DFT-PI2BPS
K-Inner_1RB_Left-1@1-0.15-30-Ant1-29.82--
85.87--33-PASS

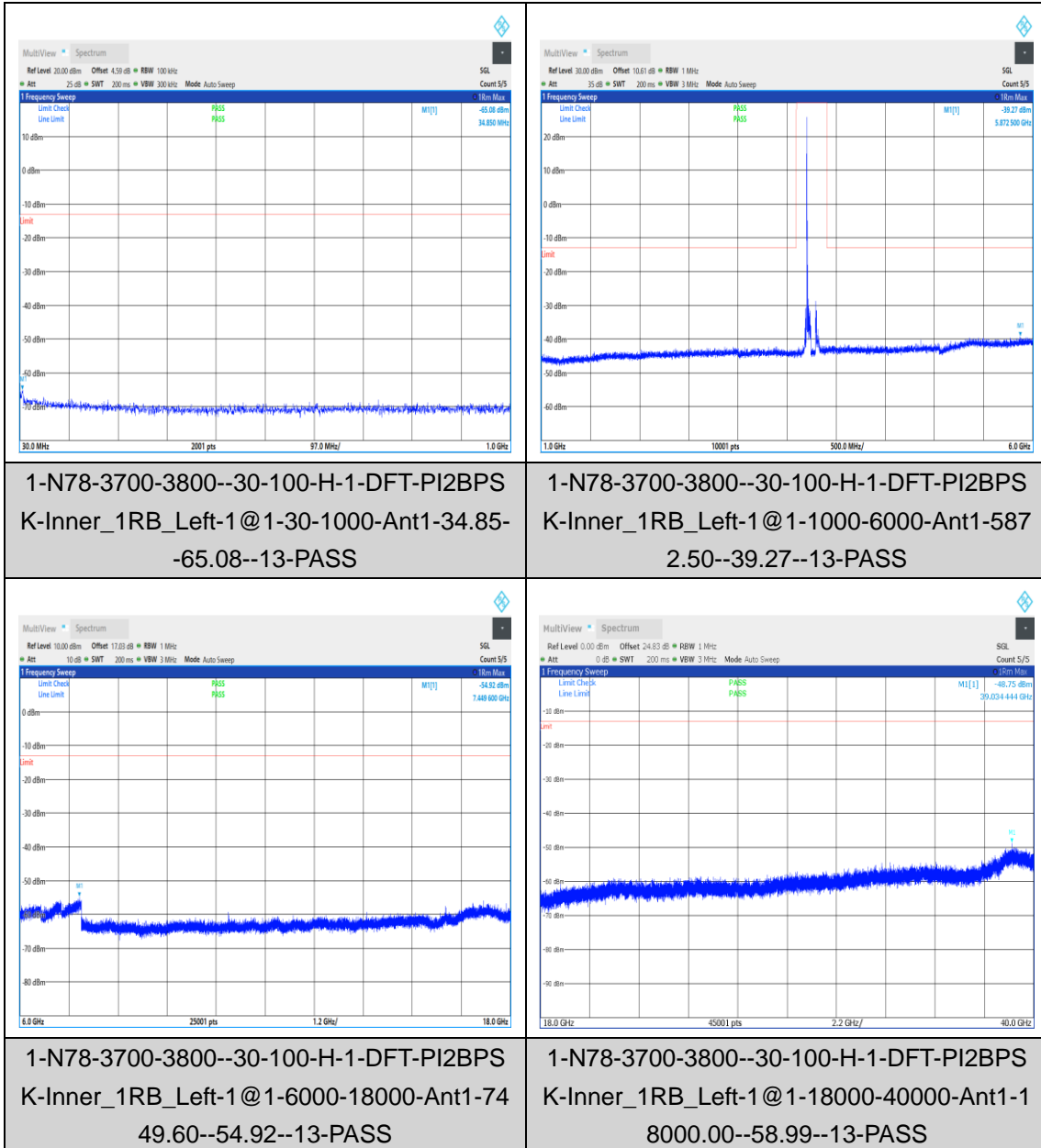


1-N78-3700-3800--30-100-M-1-DFT-PI2BPS



1-N78-3700-3800--30-100-M-1-DFT-PI2BPS

<p>K-Inner_1RB_Left-1@1-30-1000-Ant1-30.00-65.10--13-PASS</p>	<p>K-Inner_1RB_Left-1@1-1000-6000-Ant1-5946.00--39.12--13-PASS</p>
<p>1-N78-3700-3800--30-100-M-1-DFT-PI2BPS K-Inner_1RB_Left-1@1-6000-18000-Ant1-7475.52--54.83--13-PASS</p>	<p>1-N78-3700-3800--30-100-M-1-DFT-PI2BPS K-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00--58.61--13-PASS</p>
<p>1-N78-3700-3800--30-100-H-1-DFT-PI2BPS K-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.13--93.91--43-PASS</p>	<p>1-N78-3700-3800--30-100-H-1-DFT-PI2BPS K-Inner_1RB_Left-1@1-0.15-30-Ant1-29.70--85.83--33-PASS</p>



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
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	5.700000	0.001520	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	2.600000	0.000693	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	0.500000	0.000133	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	VH	NT	4.300000	0.001147	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	VN	NT	1.400000	0.000373	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	VL	NT	5.500000	0.001467	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	9.100000	0.002427	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	8.900000	0.002373	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	5.800000	0.001547	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	4.100000	0.001093	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	3.200000	0.000853	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	6.500000	0.001733	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	4.100000	0.001093	PASS



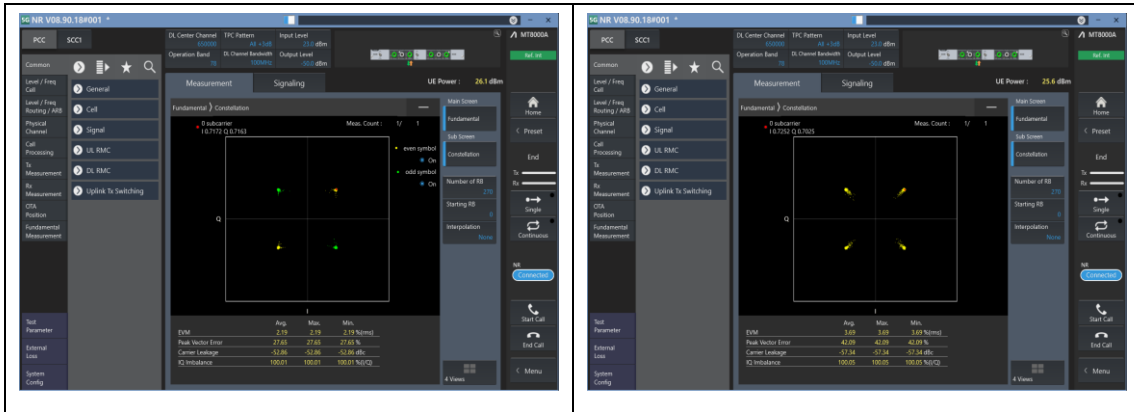
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	4.600000	0.001227	PASS
N78-370 0-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	5.500000	0.001467	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	-30	-0.200000	-0.000053	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	-20	13.200000	0.003520	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	-10	2.000000	0.000533	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	0	7.500000	0.002000	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	10	4.800000	0.001280	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	20	7.700000	0.002053	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	30	3.700000	0.000987	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	40	-0.900000	-0.000240	PASS
N78-370 0-3800	30	100	CP-QPSK	M	Outer_Full	NV	50	13.400000	0.003573	PASS

7.Modulation characteristics for SA

Test Result

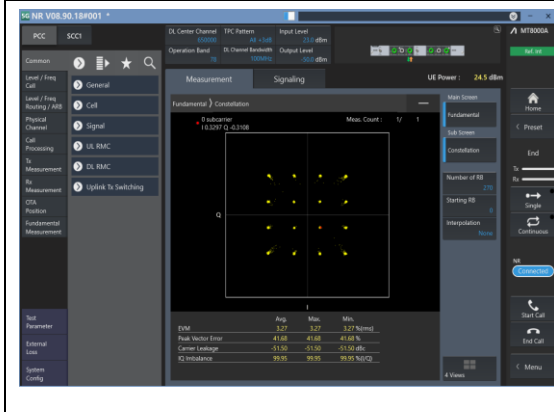
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	DFT-QPSK	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	DFT-16QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	DFT-64QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	DFT-256QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	CP-16QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	CP-64QAM	M	Outer_Full	see graph	PASS
N78-3700-3800	30	100	CP-256QAM	M	Outer_Full	see graph	PASS

Test Graphs

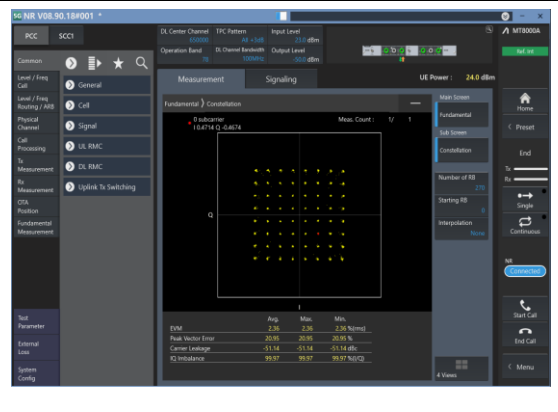


1-N78-3700-3800--30-100-M-1-DFT-PI2BPS
K-Outer_Full-270@0-Ant1-see graph-PASS

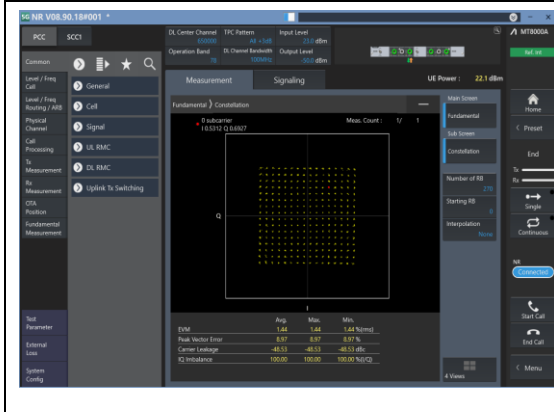
1-N78-3700-3800--30-100-M-2-DFT-QPSK-O
uter_Full-270@0-Ant1-see graph-PASS



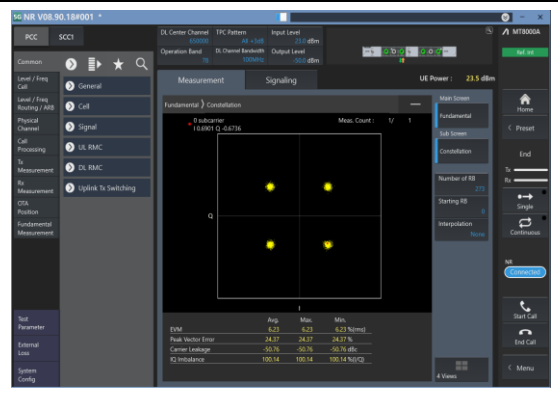
1-N78-3700-3800--30-100-M-3-DFT-16QAM-
Outer_Full-270@0-Ant1-see graph-PASS



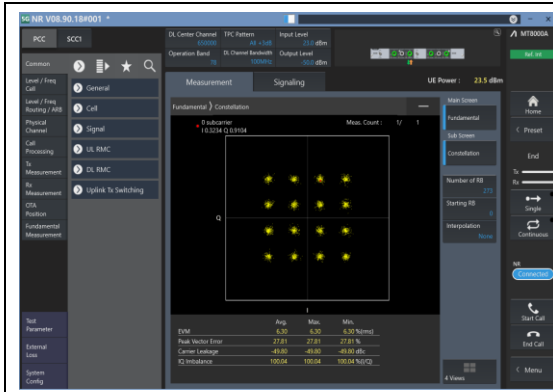
1-N78-3700-3800--30-100-M-4-DFT-64QAM-
Outer_Full-270@0-Ant1-see graph-PASS



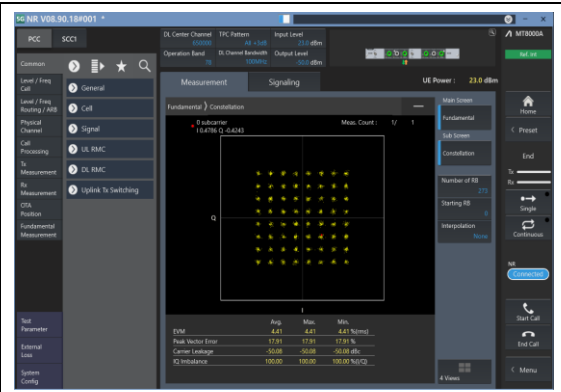
1-N78-3700-3800--30-100-M-5-DFT-256QAM
-Outer_Full-270@0-Ant1-see graph-PASS



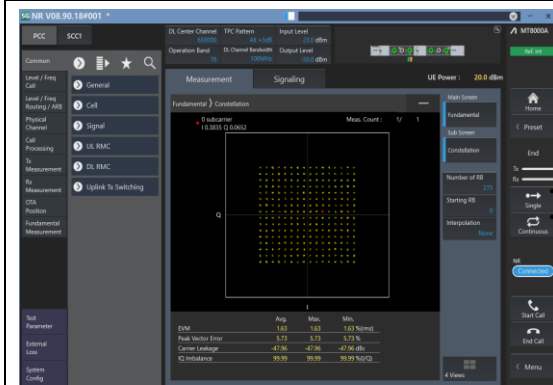
1-N78-3700-3800--30-100-M-6-CP-QPSK-Ou
ter_Full-273@0-Ant1-see graph-PASS



1-N78-3700-3800--30-100-M-7-CP-16QAM-Outer_Full-273@0-Ant1-see graph-PASS



1-N78-3700-3800--30-100-M-8-CP-64QAM-Outer_Full-273@0-Ant1-see graph-PASS



1-N78-3700-3800--30-100-M-9-CP-256QAM-Outer_Full-273@0-Ant1-see graph-PASS