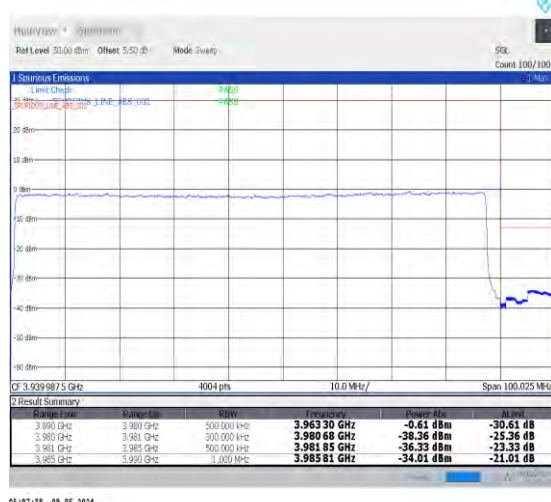
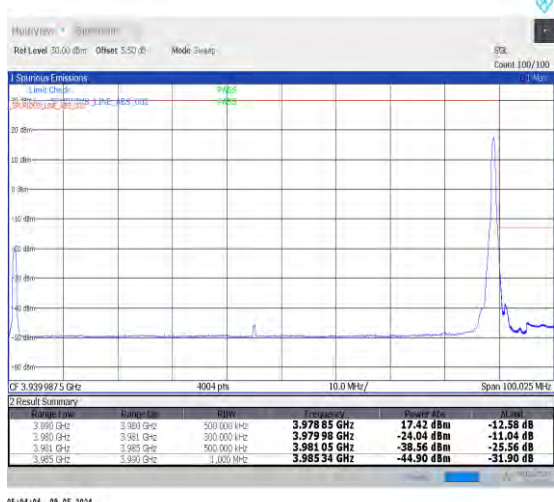


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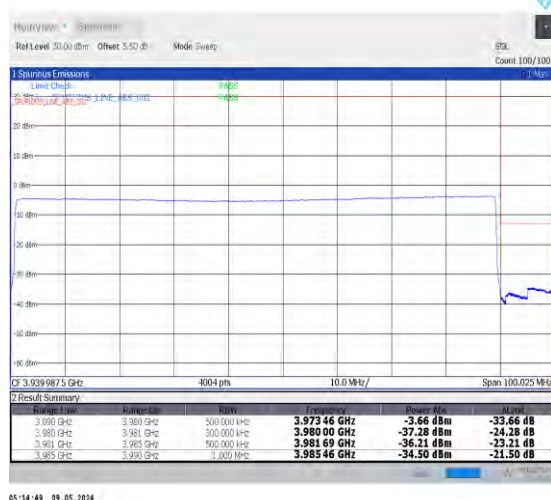
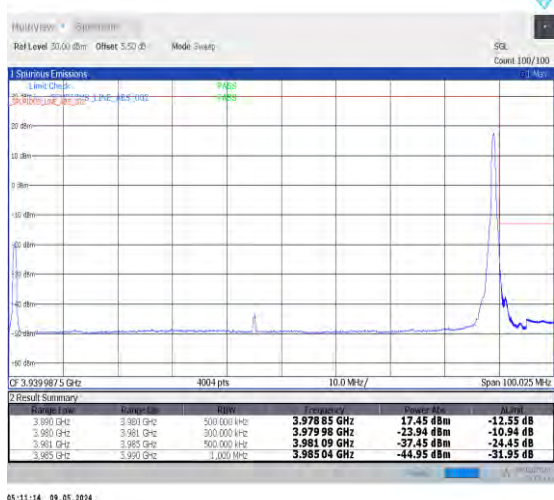
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1-N77-3700-3980-PC2-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant0-1--PASS-see graph

1-N77-3700-3980-PC2-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant0-1--PASS-see graph



1-N77-3700-3980-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant0-1--PASS-see graph

1-N77-3700-3980-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant0-1--PASS-see graph



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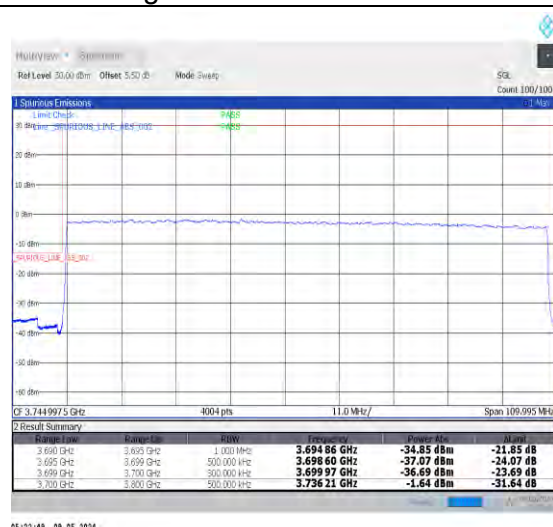
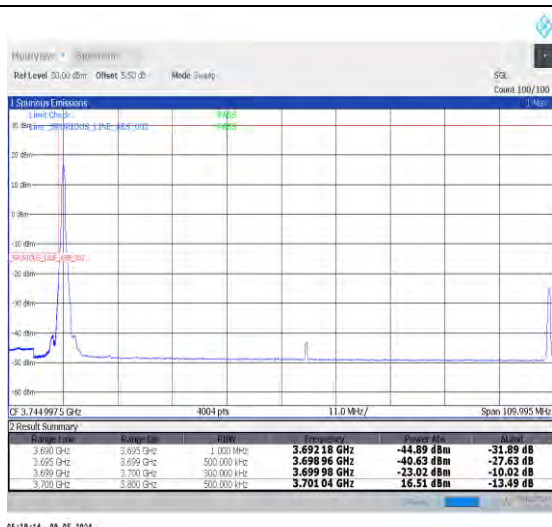
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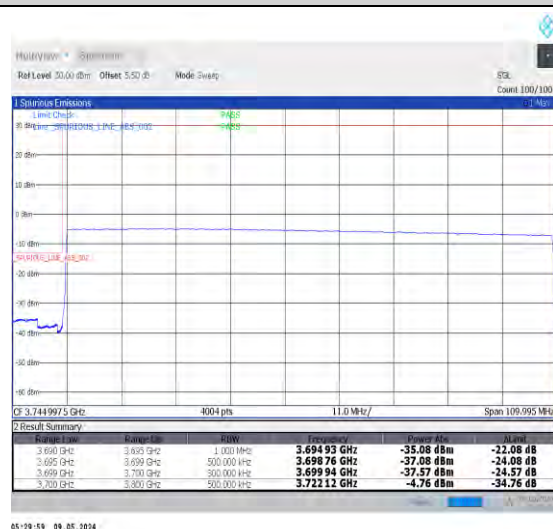
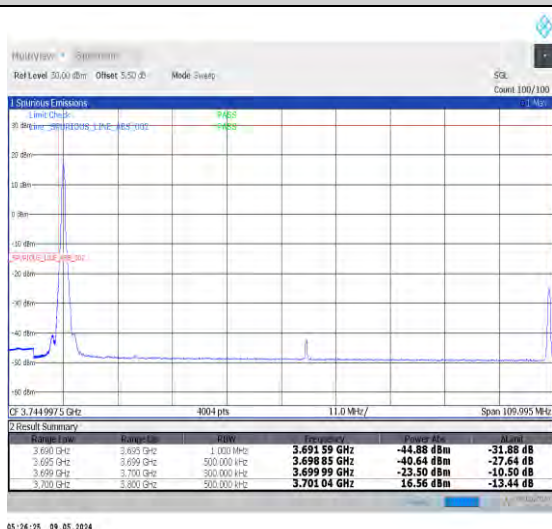
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1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N77-3700-3980-PC2-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant0-1--PASS-see graph



1-N77-3700-3980-PC2-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N77-3700-3980-PC2-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant0-1--PASS-see graph



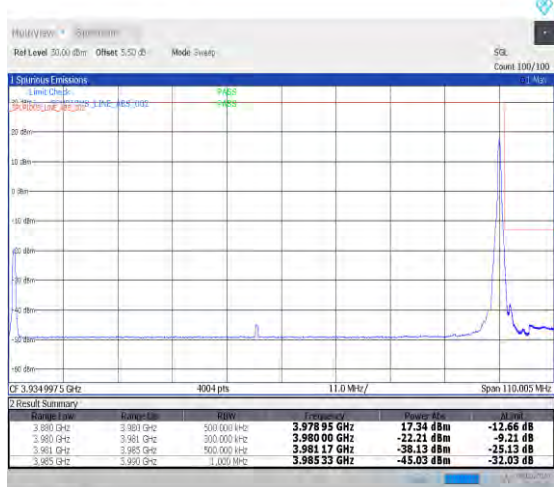
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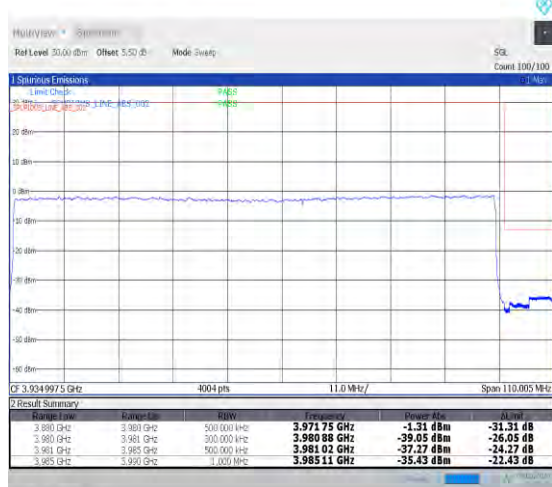
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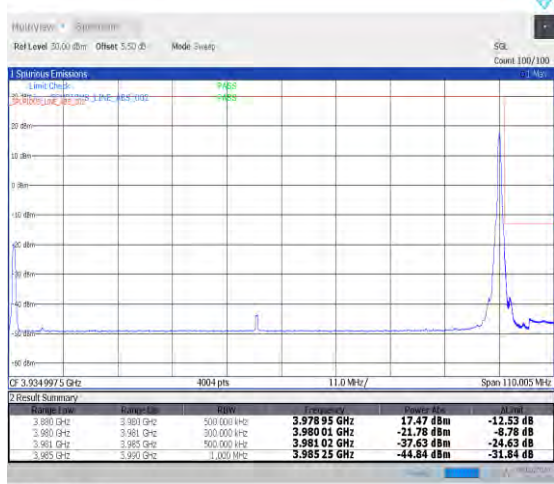
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05:37:21 09.05.2024

1-N77-3700-3980-PC2-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant0-1--PASS-see graph



05:40:57 09.05.2024

1-N77-3700-3980-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant0-1--PASS-see graph



05:44:22 09.05.2024

1-N77-3700-3980-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant0-1--PASS-see graph



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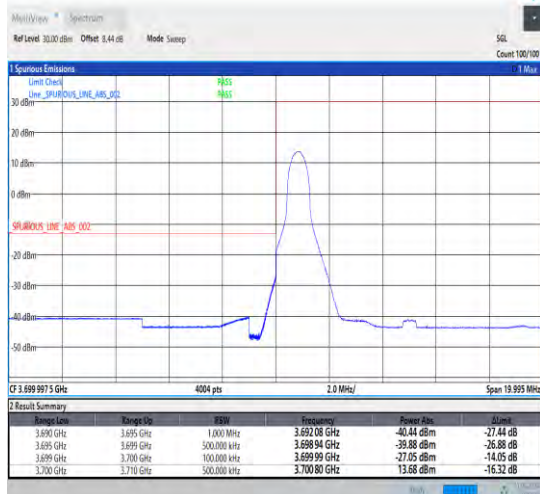
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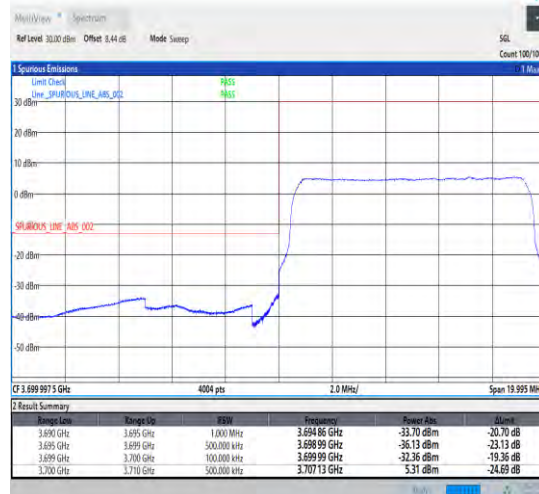
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Band Edge for MIMO

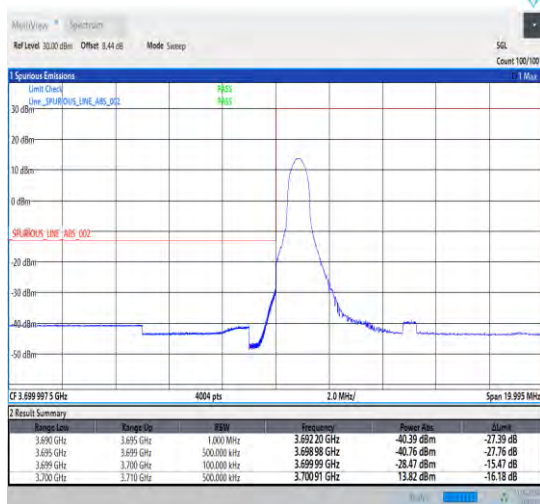
Test Graphs



1-N77-3700-3980-30-10-L-1-DFT-PI2BPSK-Edge_1RB
_Left-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-10-L-3-DFT-PI2BPSK-Outer
_Full-24@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-10-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-10-L-6-CP-QPSK-Outer_Full
-24@0-Ant0-1--PASS-see graph



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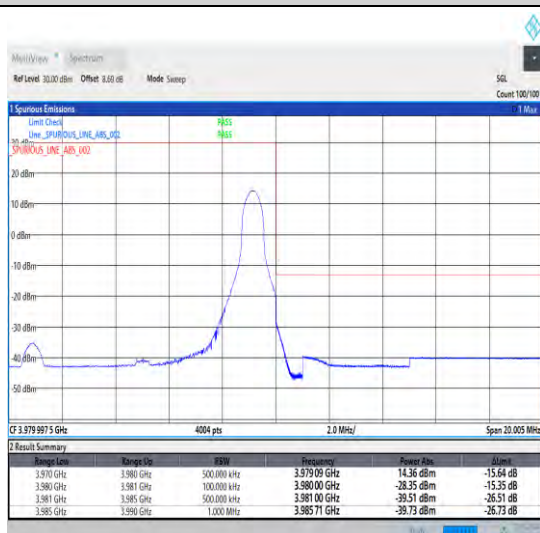
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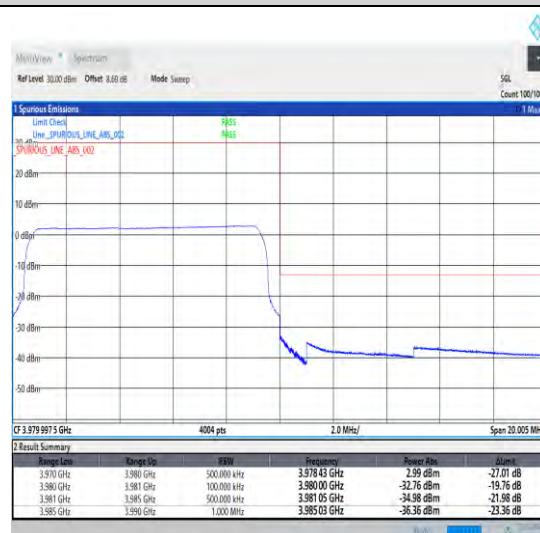
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1-N77-3700-3980-30-10-H-3-DFT-PI2BPSK-Outer_Full-24@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant0-1--PASS-see graph



1-N77-3700-3980-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant0-1--PASS-see graph



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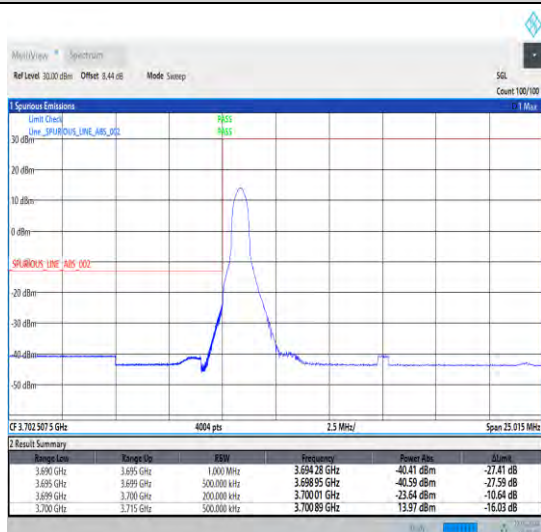
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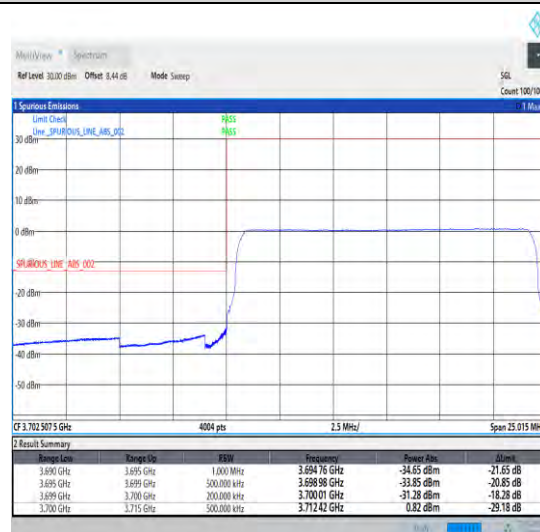
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1-N77-3700-3980-30-15-L-3-DFT-PI2BPSK-Outer
_Full-36@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-15-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-15-L-6-CP-QPSK-Outer_Full
-38@0-Ant0-1--PASS-see graph



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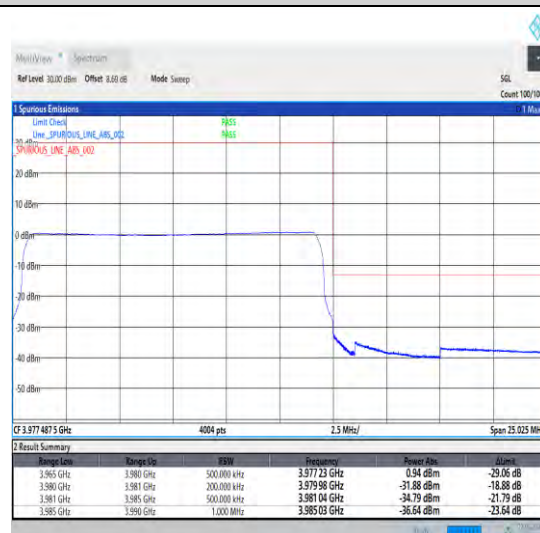
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1-N77-3700-3980-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant0-1--PASS-see graph



1-N77-3700-3980-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant0-1--PASS-see graph



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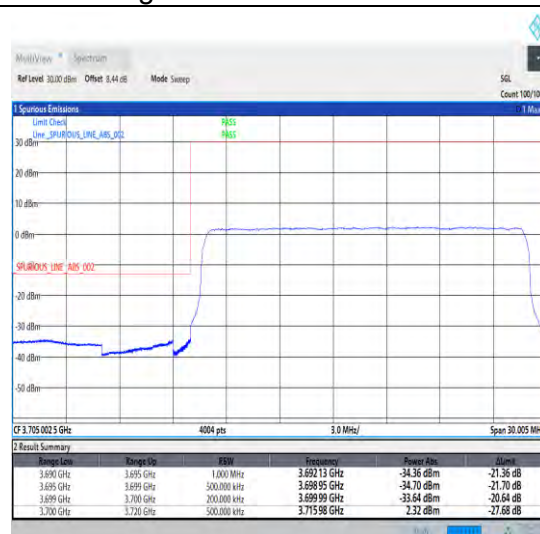
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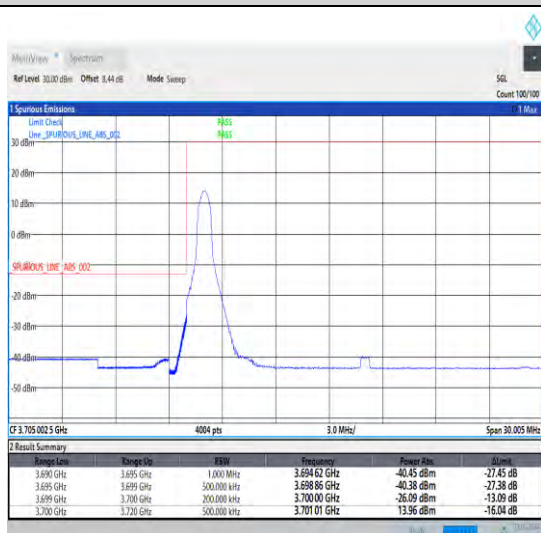
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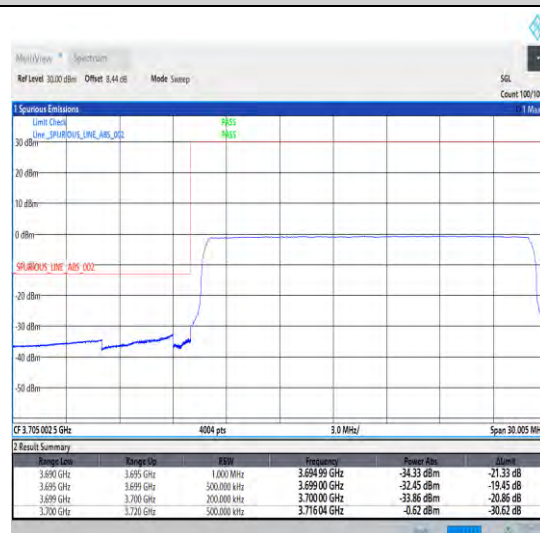
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_Full-50@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-20-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-20-L-6-CP-QPSK-Outer_Full
-51@0-Ant0-1--PASS-see graph



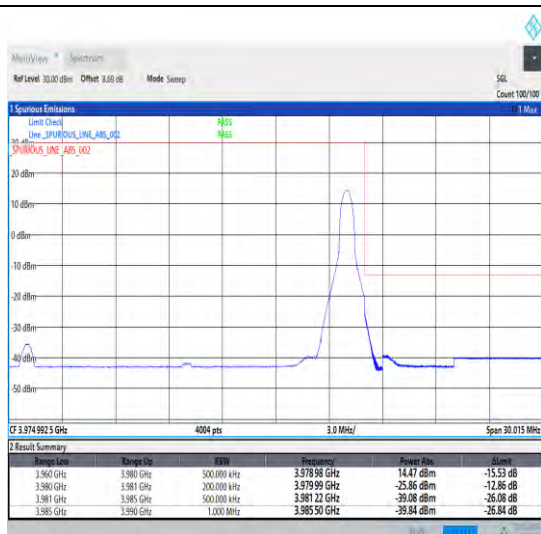
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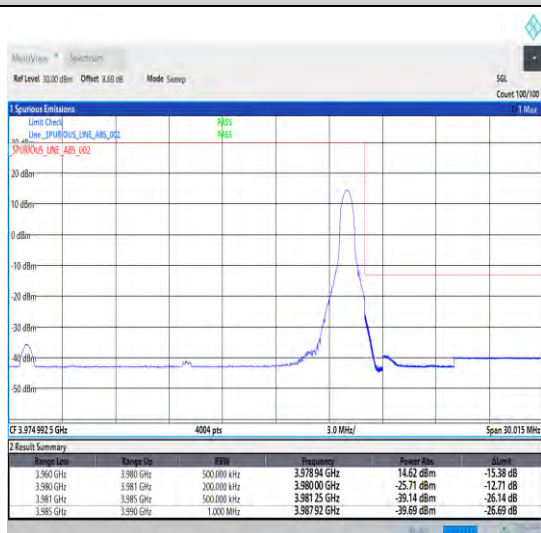
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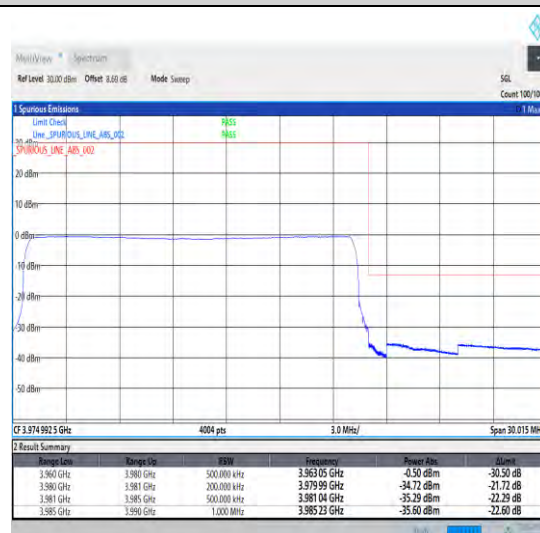
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1-N77-3700-3980-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant0-1--PASS-see graph



1-N77-3700-3980-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant0-1--PASS-see graph



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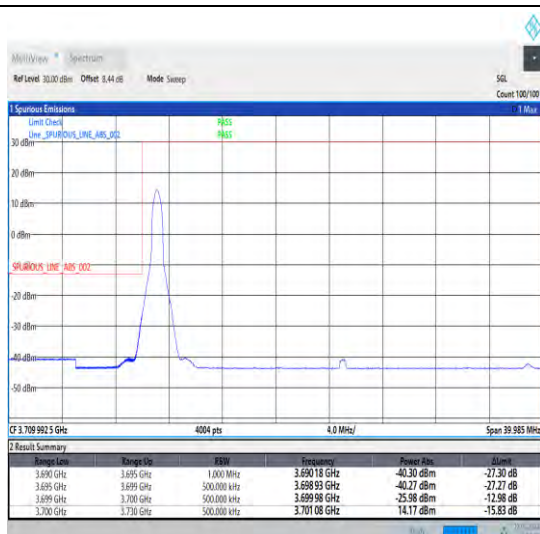
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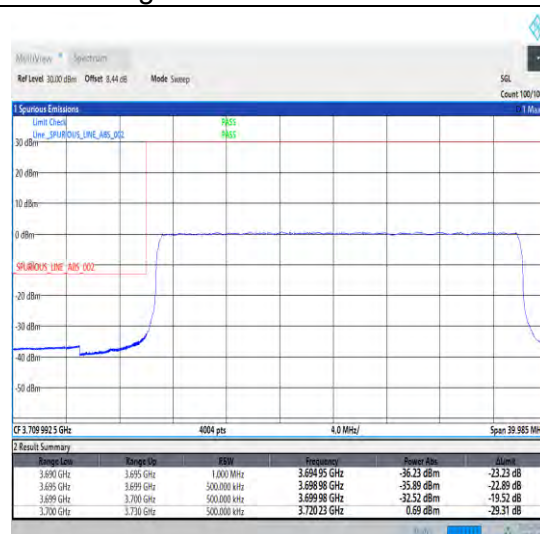
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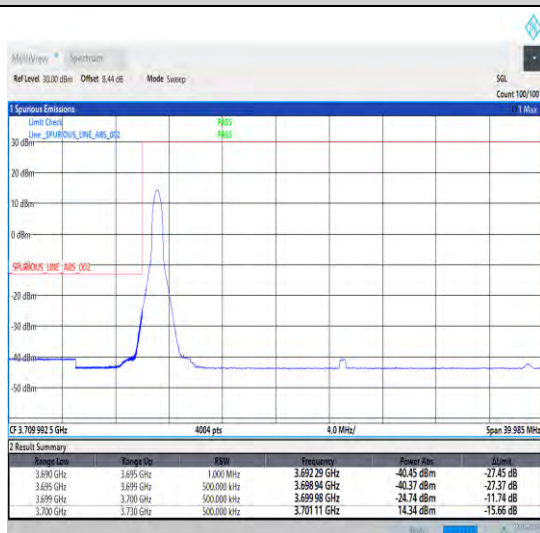
Page: 110 of 146



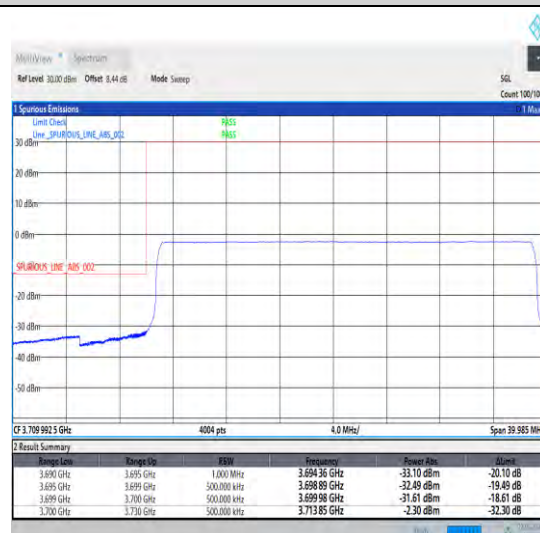
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1-N77-3700-3980-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-30-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-30-L-6-CP-QPSK-Outer_Full -78@0-Ant0-1--PASS-see graph



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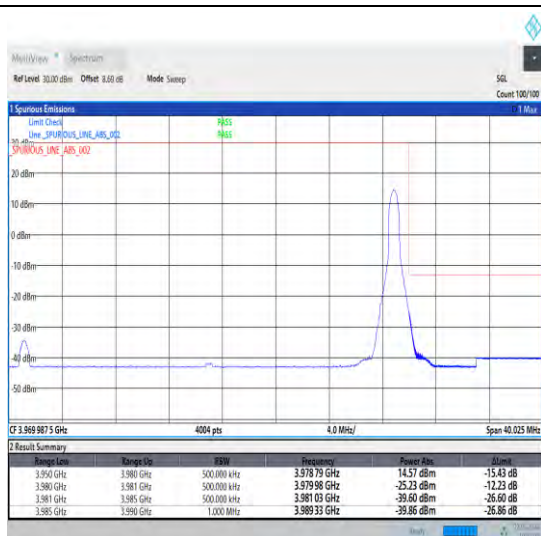
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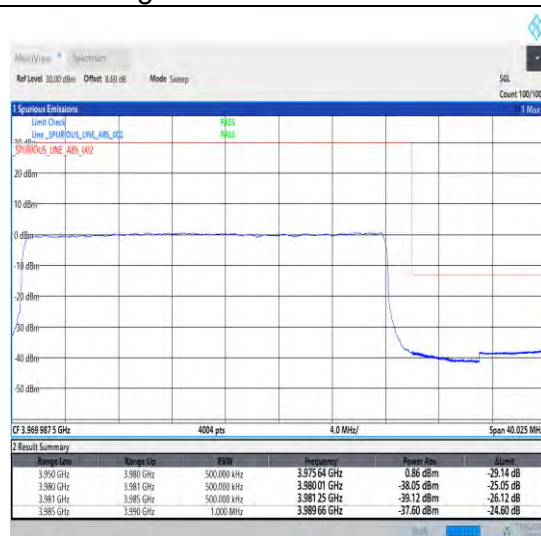
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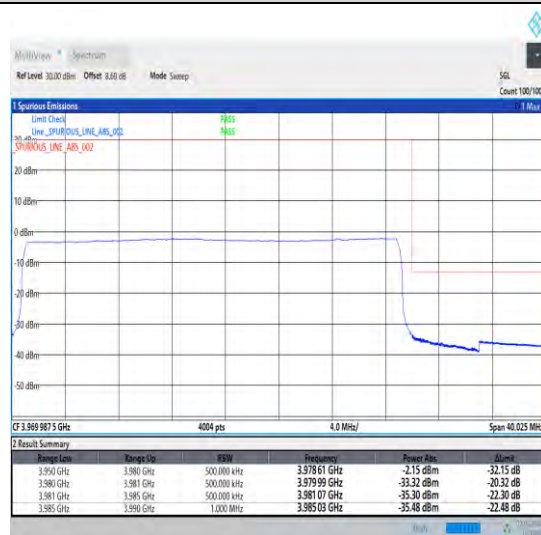
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1-N77-3700-3980-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant0-1--PASS-see graph



1-N77-3700-3980-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant0-1--PASS-see graph



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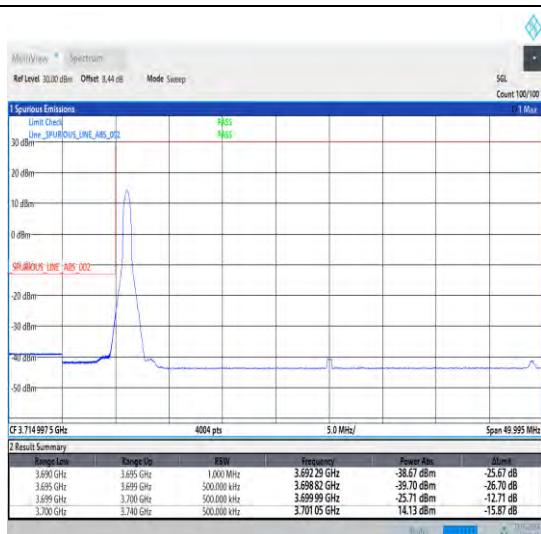
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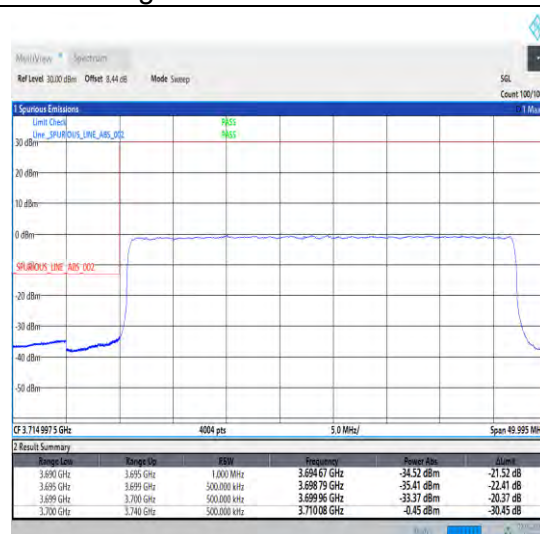
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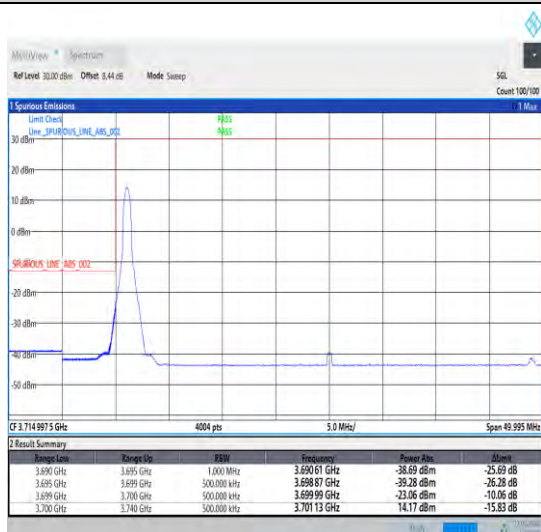
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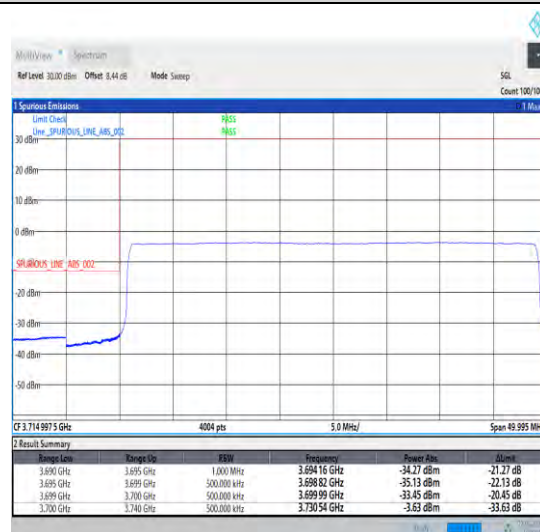
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_Full-100@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-40-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-40-L-6-CP-QPSK-Outer_Full
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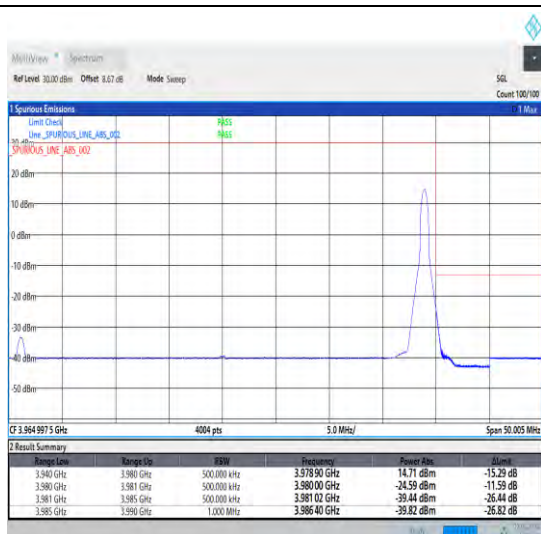
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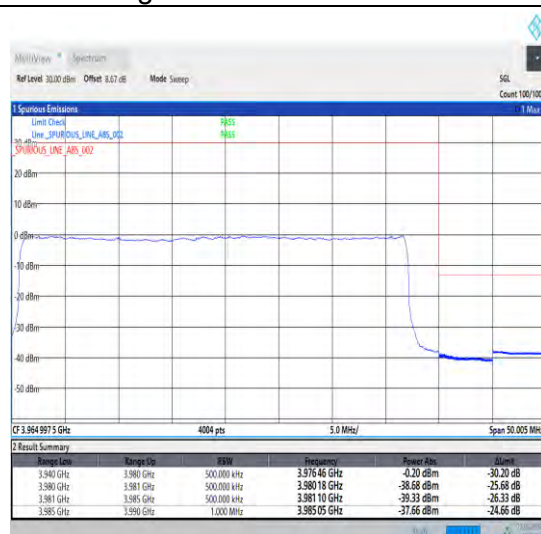
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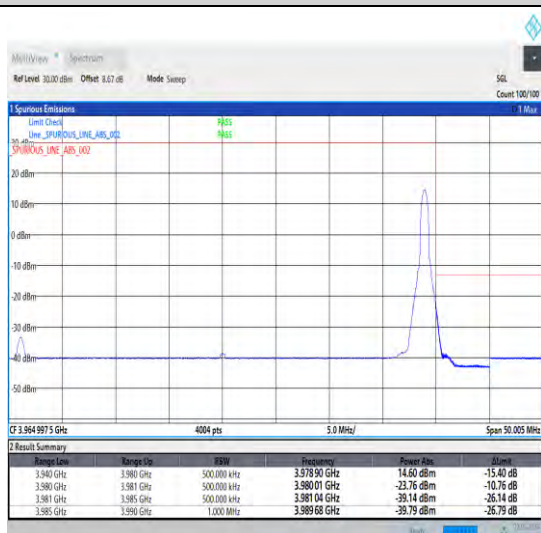
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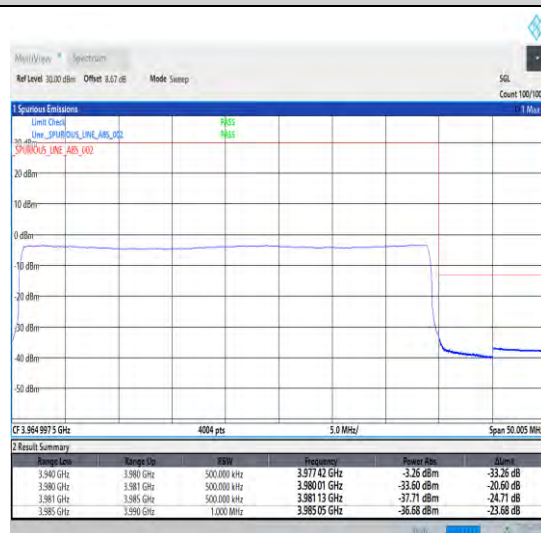
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1-N77-3700-3980-30-40-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@105-Ant0-1--PASS-see graph



1-N77-3700-3980-30-40-H-6-CP-QPSK-Outer_Full
-106@0-Ant0-1--PASS-see graph



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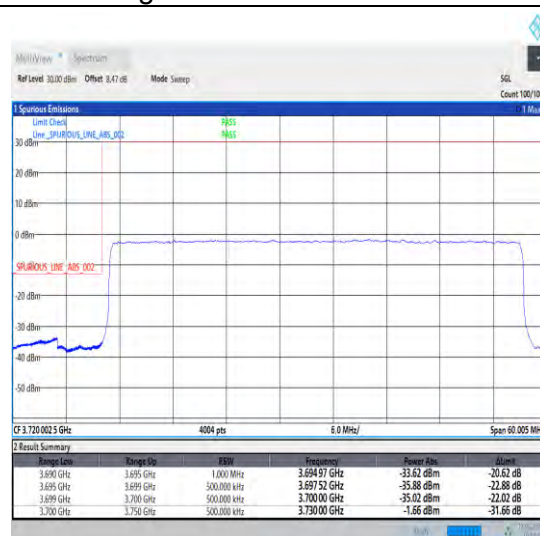
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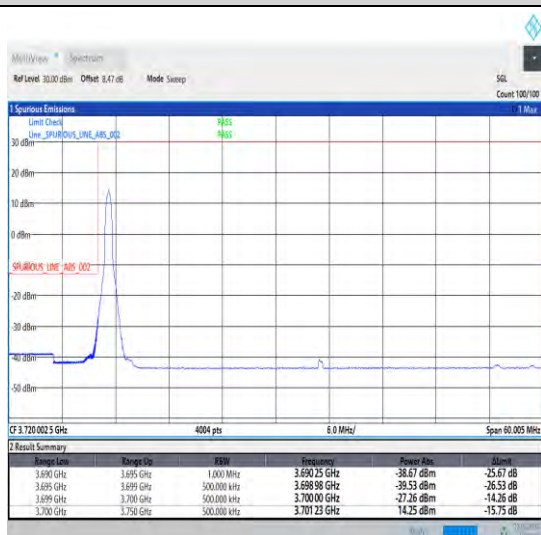
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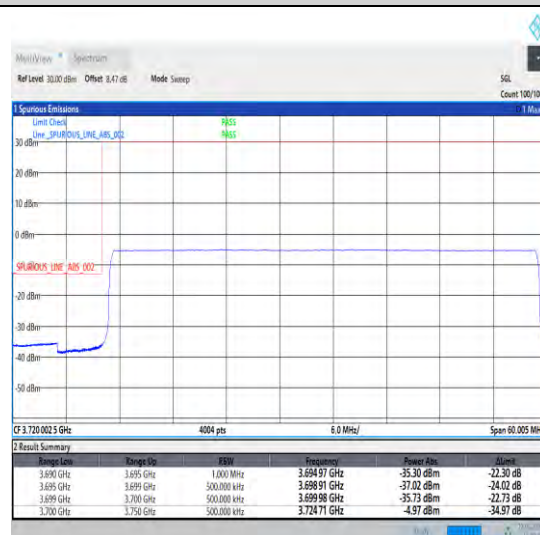
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1-N77-3700-3980-30-50-L-4-CP-QPSK-Edge_1RB_Lef
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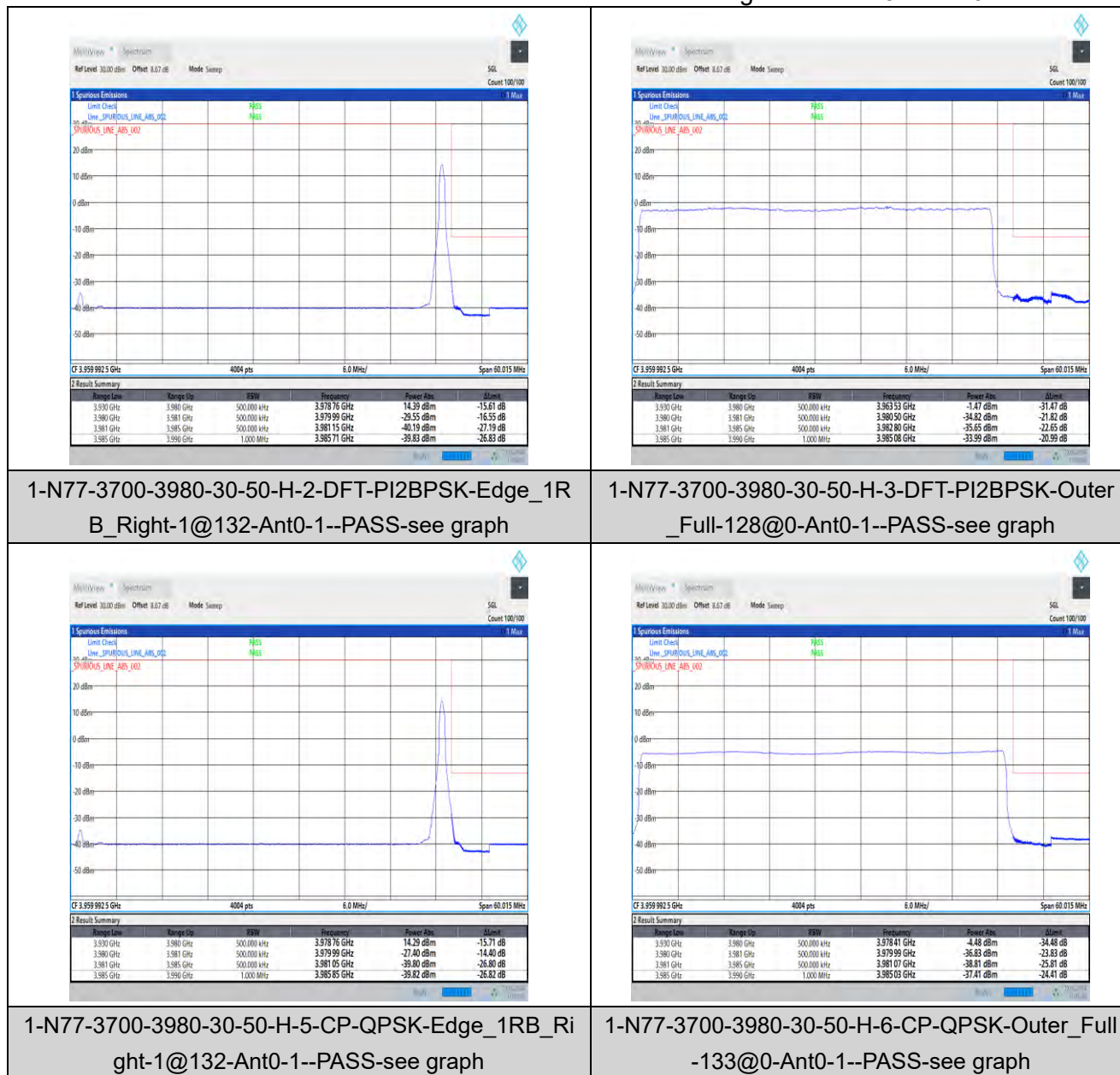
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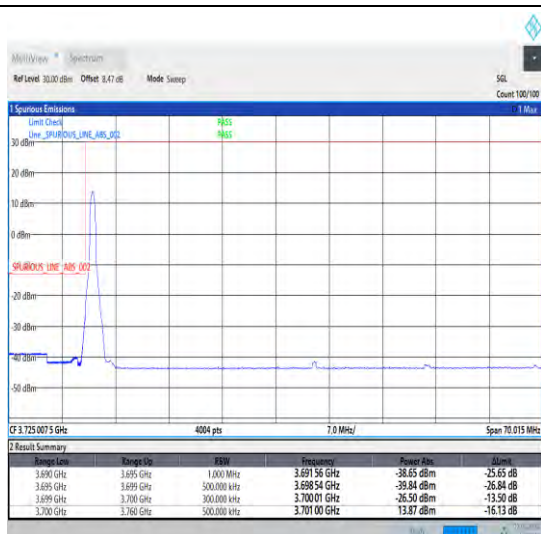
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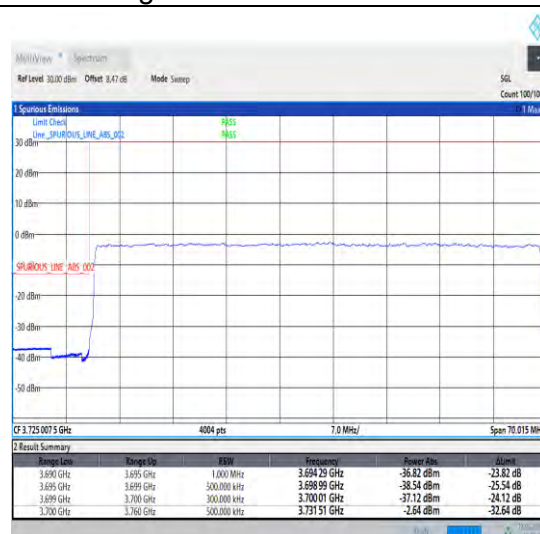
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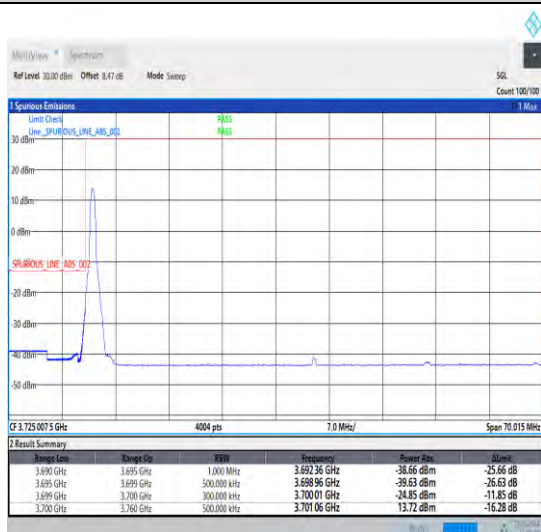
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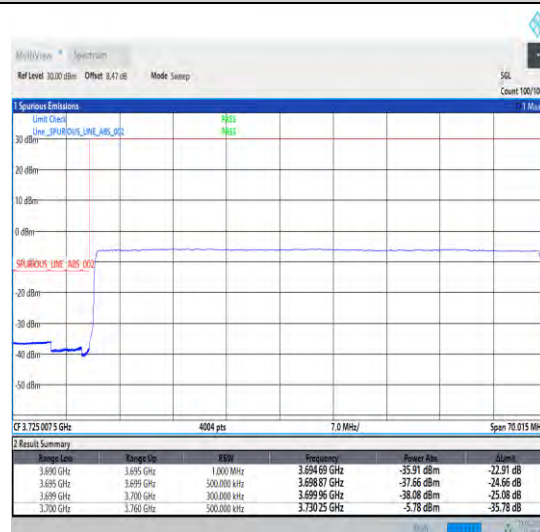
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1-N77-3700-3980-30-60-L-3-DFT-PI2BPSK-Outer
_Full-162@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-60-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-60-L-6-CP-QPSK-Outer_Full
-162@0-Ant0-1--PASS-see graph



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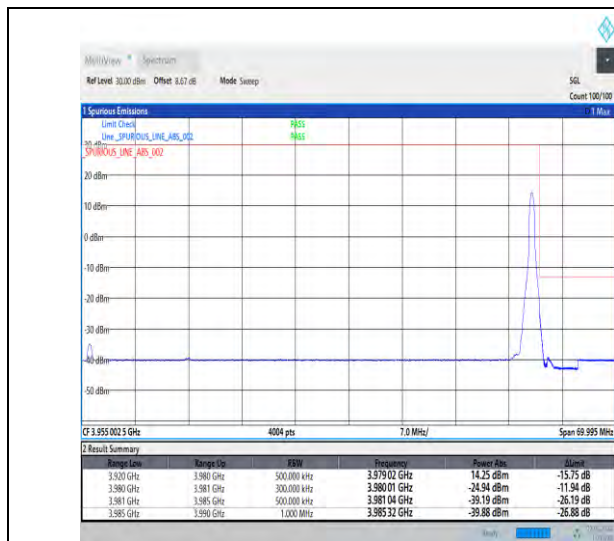
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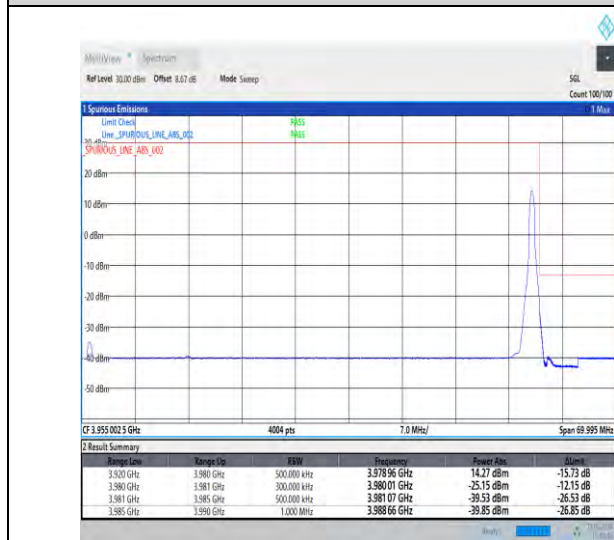
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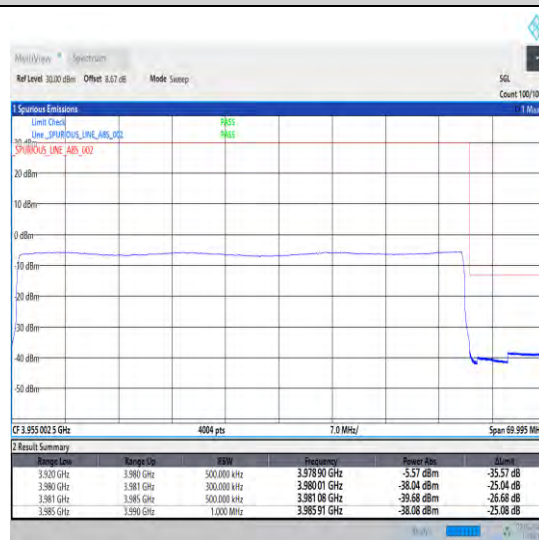
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1-N77-3700-3980-30-60-H-5-CP-QPSK-Edge_1RB_Ri
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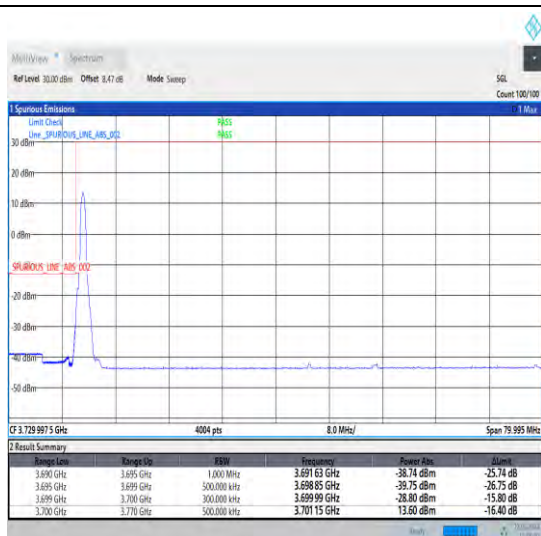
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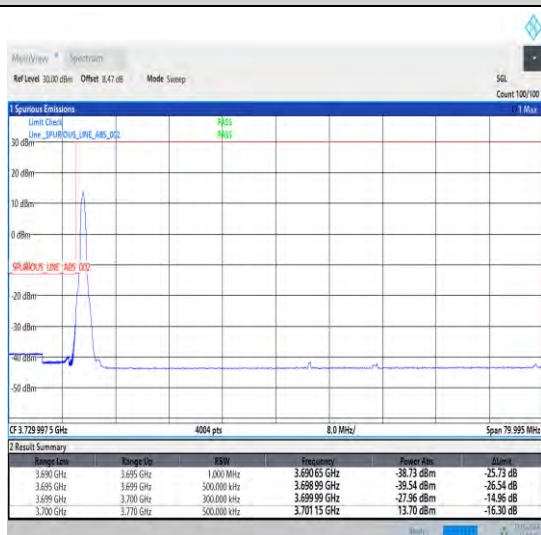
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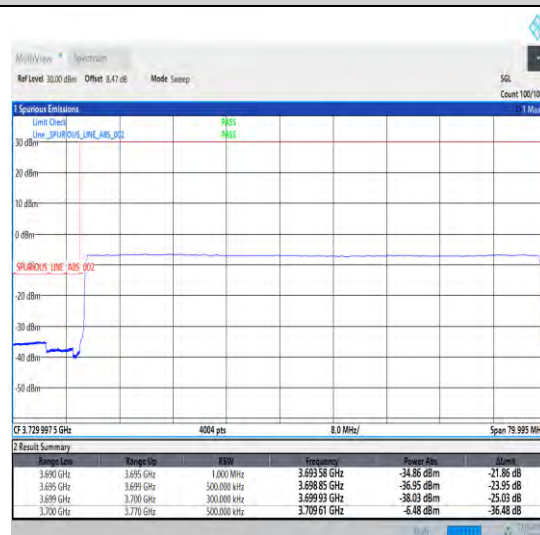
1-N77-3700-3980-30-70-L-1-DFT-PI2BPSK-Edge_1RB
_Left-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-70-L-3-DFT-PI2BPSK-Outer
_Full-180@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-70-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-70-L-6-CP-QPSK-Outer_Full
-189@0-Ant0-1--PASS-see graph



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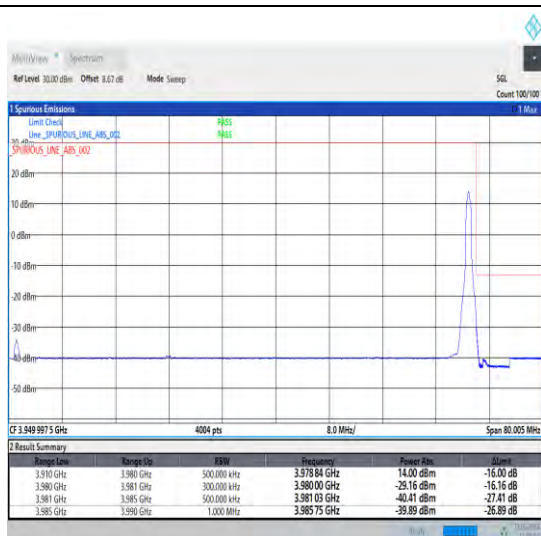
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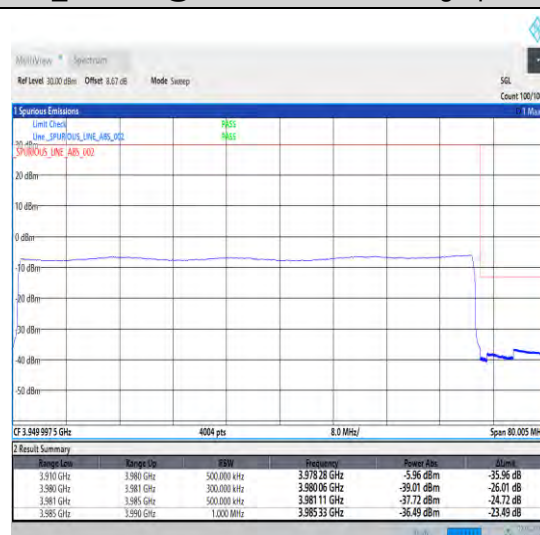
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1-N77-3700-3980-30-70-H-3-DFT-PI2BPSK-Outer
_Full-180@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-70-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@188-Ant0-1--PASS-see graph



1-N77-3700-3980-30-70-H-6-CP-QPSK-Outer_Full
-189@0-Ant0-1--PASS-see graph



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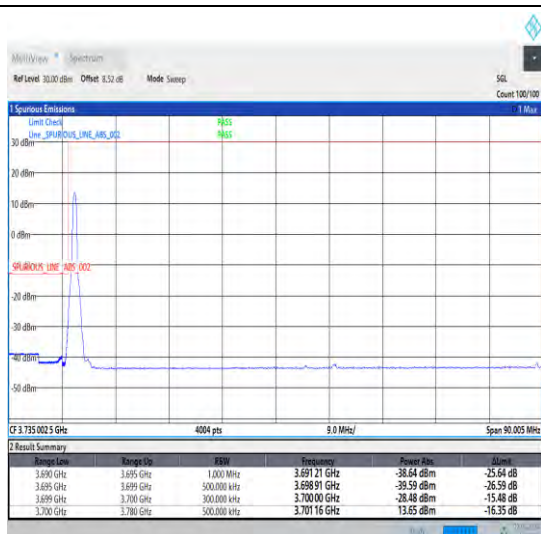
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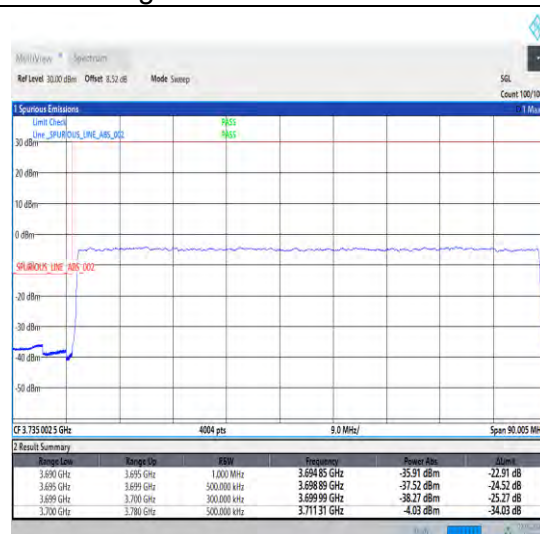
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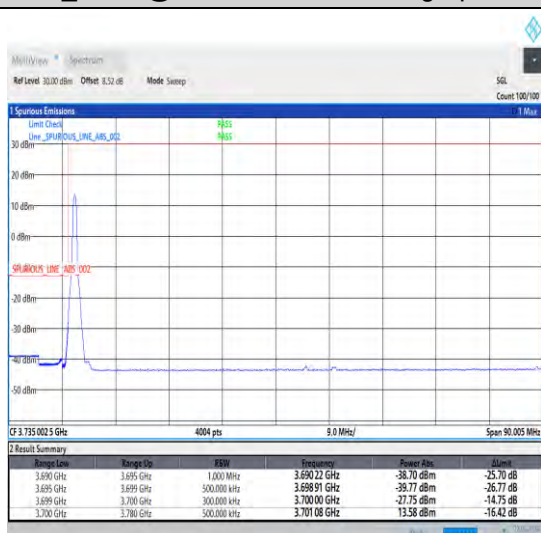
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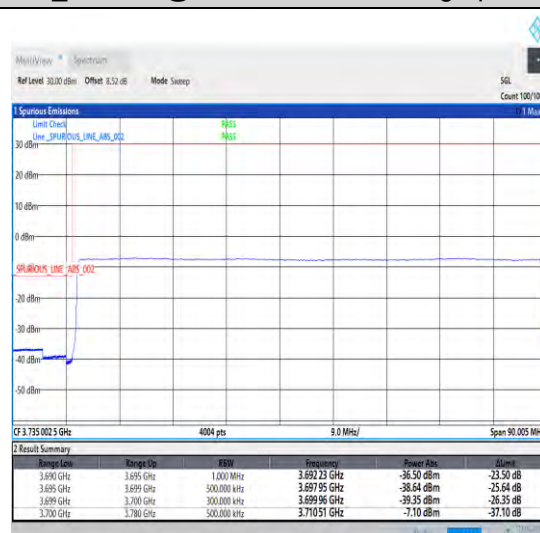
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1-N77-3700-3980-30-80-L-3-DFT-PI2BPSK-Outer
_Full-216@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-80-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-80-L-6-CP-QPSK-Outer_Full
-217@0-Ant0-1--PASS-see graph



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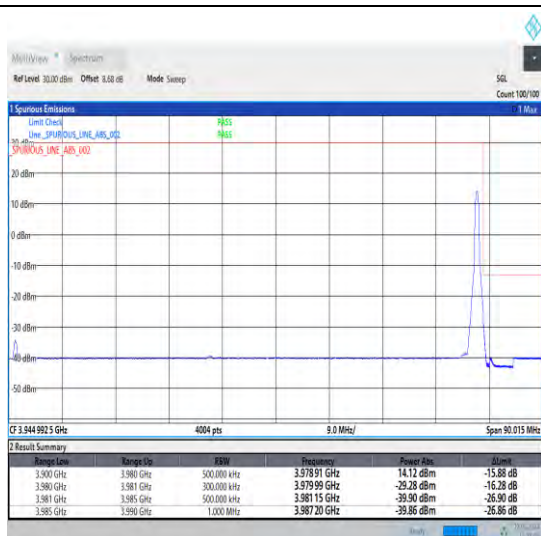
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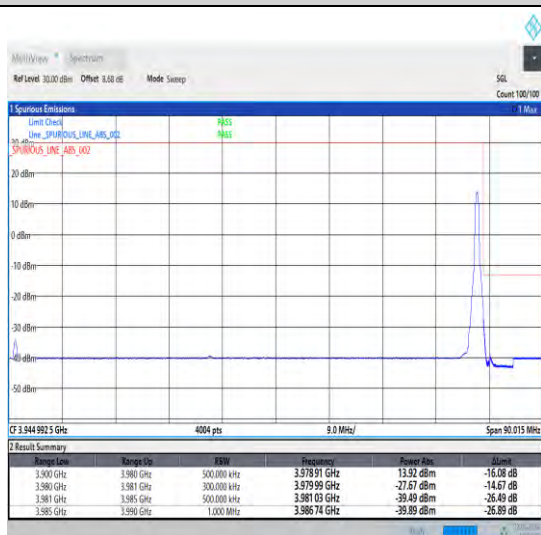
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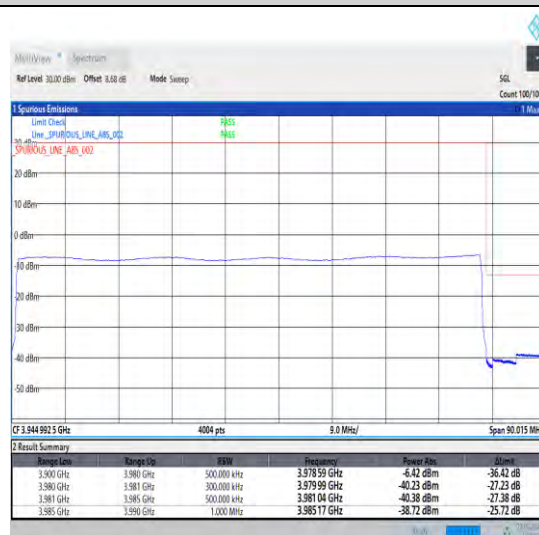
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1-N77-3700-3980-30-80-H-3-DFT-PI2BPSK-Outer
_Full-216@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-80-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@216-Ant0-1--PASS-see graph



1-N77-3700-3980-30-80-H-6-CP-QPSK-Outer_Full
-217@0-Ant0-1--PASS-see graph



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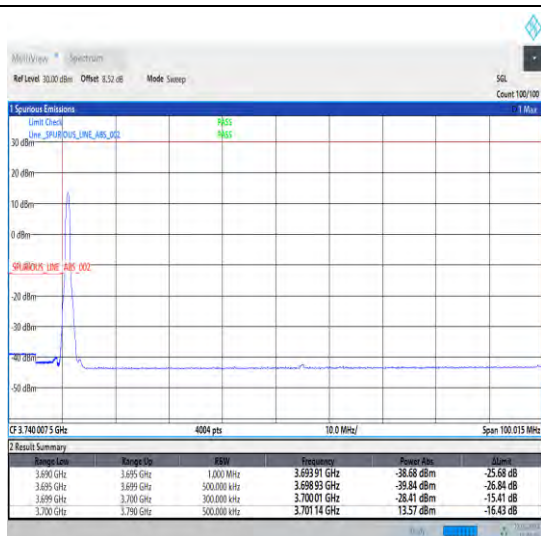
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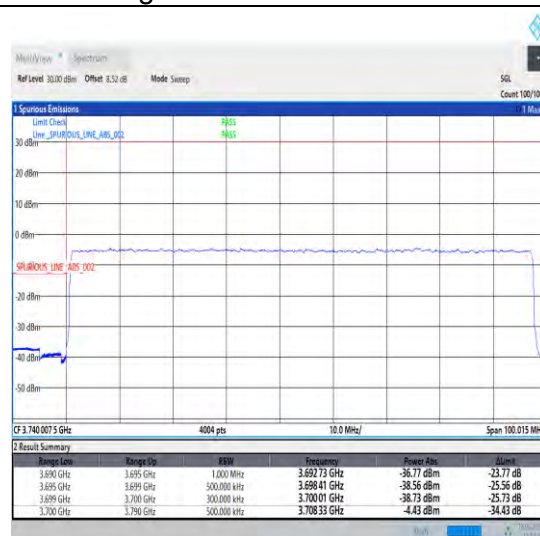
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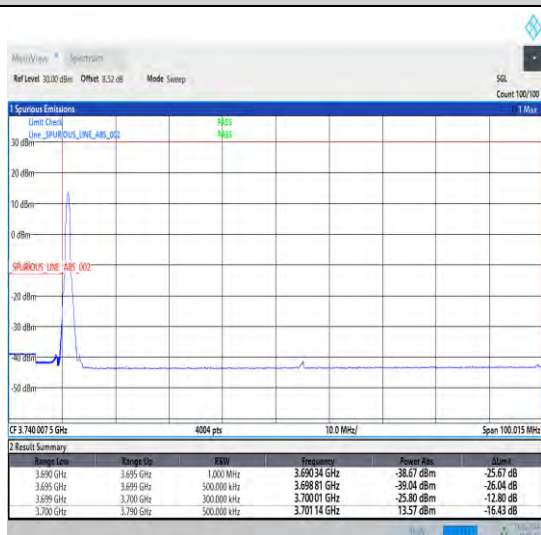
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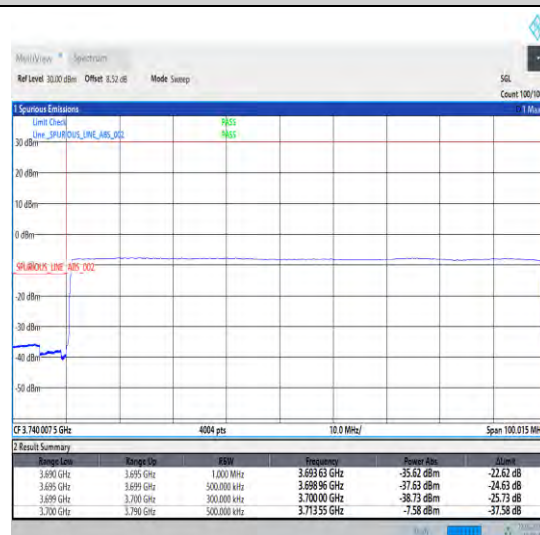
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1-N77-3700-3980-30-90-L-3-DFT-PI2BPSK-Outer
_Full-240@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-90-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-90-L-6-CP-QPSK-Outer_Full
-245@0-Ant0-1--PASS-see graph



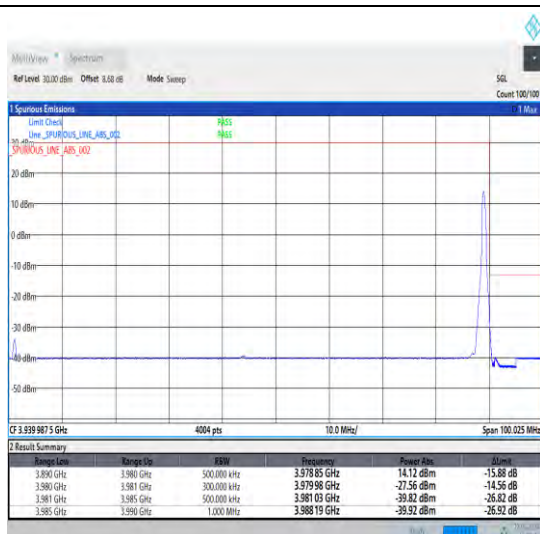
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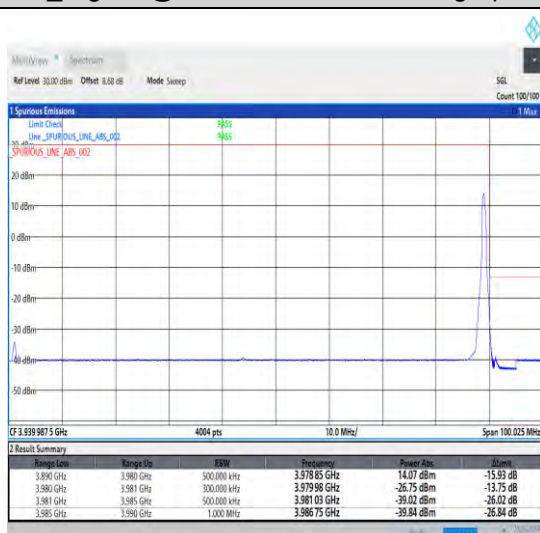
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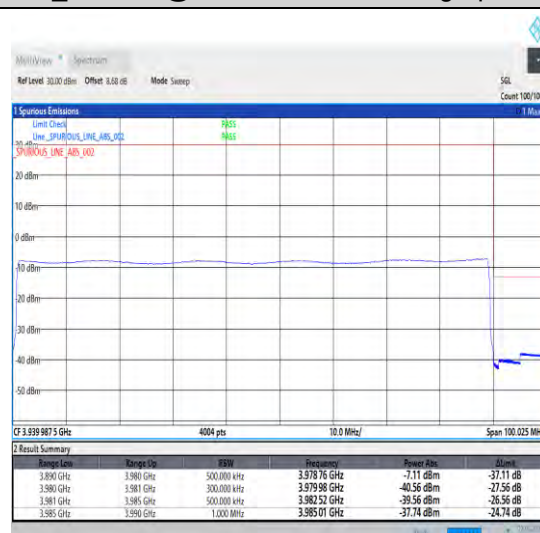
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1-N77-3700-3980-30-90-H-3-DFT-PI2BPSK-Outer
_Full-240@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-90-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@244-Ant0-1--PASS-see graph



1-N77-3700-3980-30-90-H-6-CP-QPSK-Outer_Full
-245@0-Ant0-1--PASS-see graph



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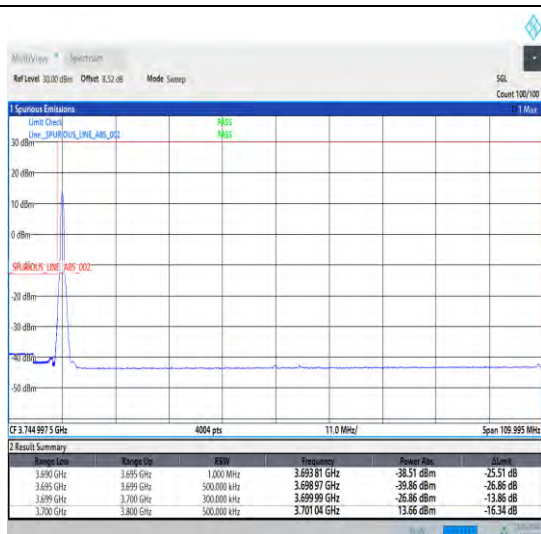
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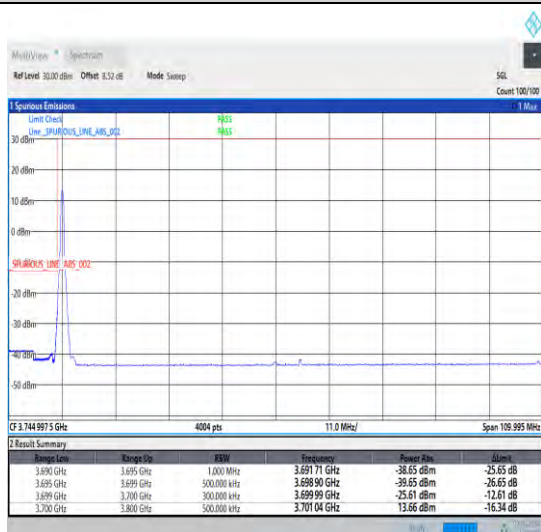
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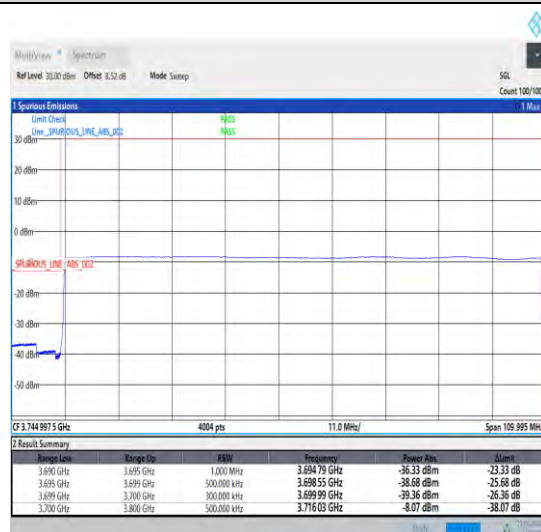
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B_Left-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant0-1--PASS-see graph



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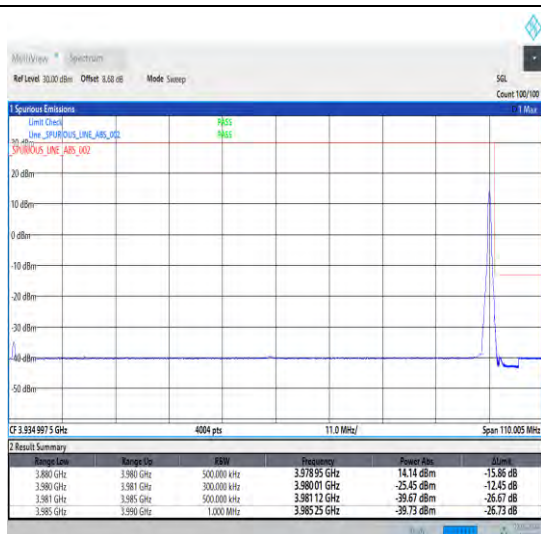
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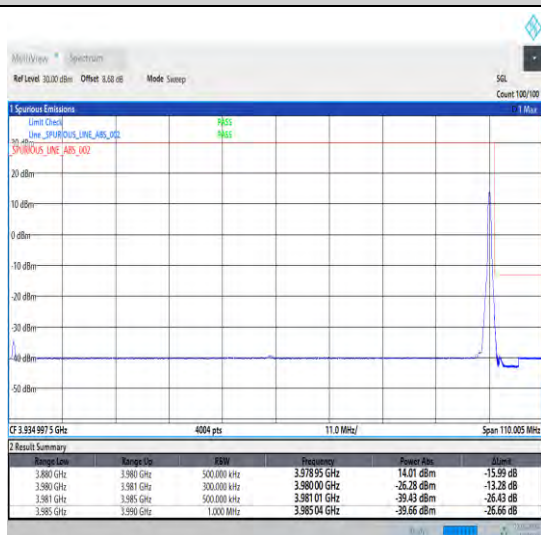
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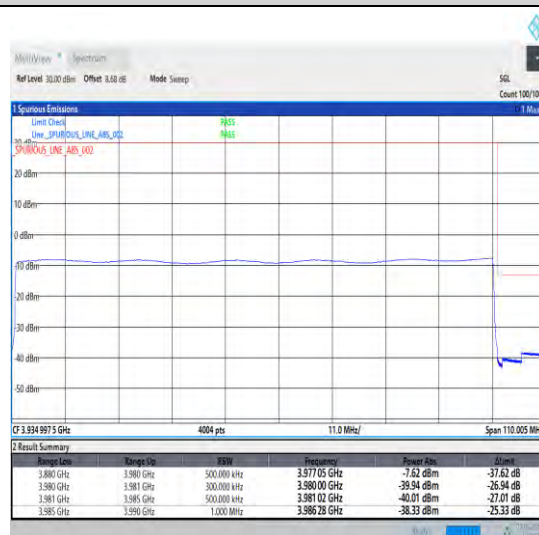
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1-N77-3700-3980-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant0-1--PASS-see graph



1-N77-3700-3980-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant0-1--PASS-see graph



1-N77-3700-3980-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant0-1--PASS-see graph



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Conducted Spurious Emission for SA

Test Graphs

1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-In ner_1RB_Left-1@1-0.009-0.15-Ant0-0.01--83.78--43 -PASS	1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-In ner_1RB_Left-1@1-0.15-30-Ant0-29.10--80.90--33-P ASS
1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-In ner_1RB_Left-1@1-30-1000-Ant0-551.86--68.05--13 -PASS	1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-In ner_1RB_Left-1@1-1000-6000-Ant0-2772.00--43.53- -13-PASS



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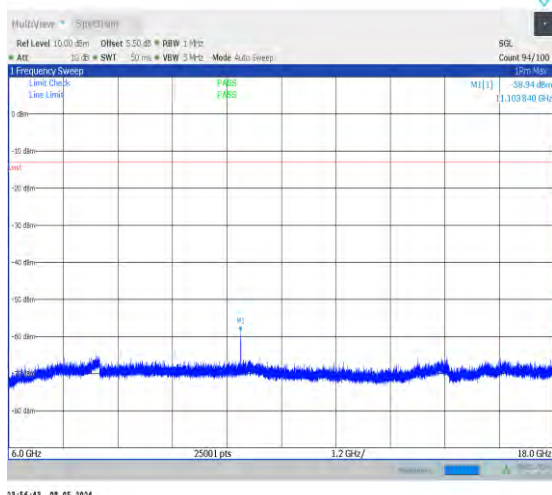
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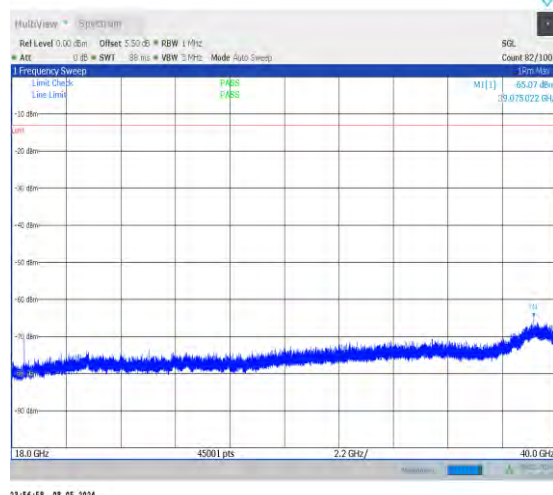
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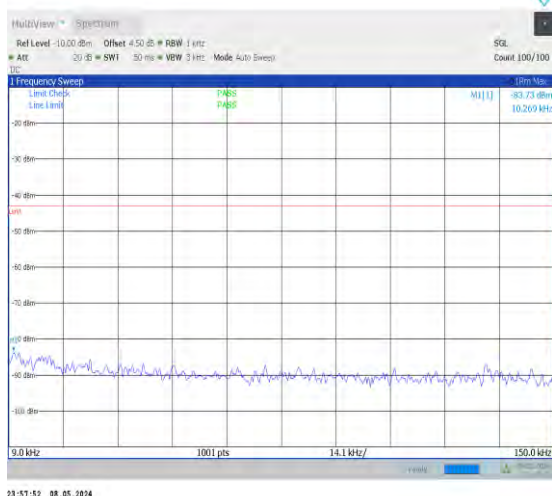
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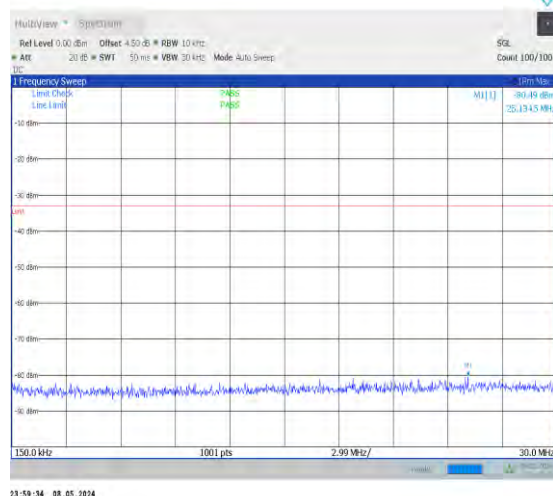
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1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant0-25.13--80.49--33-PASS

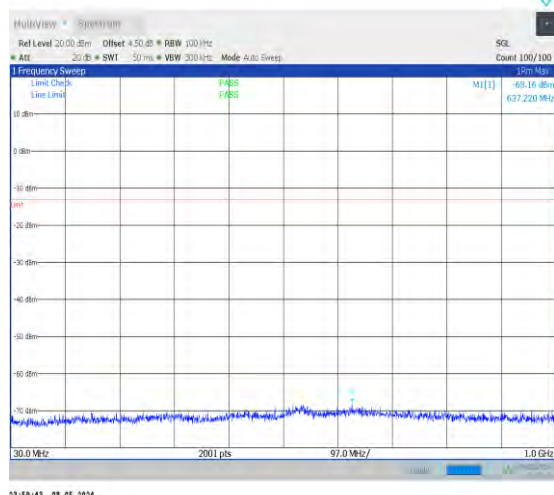


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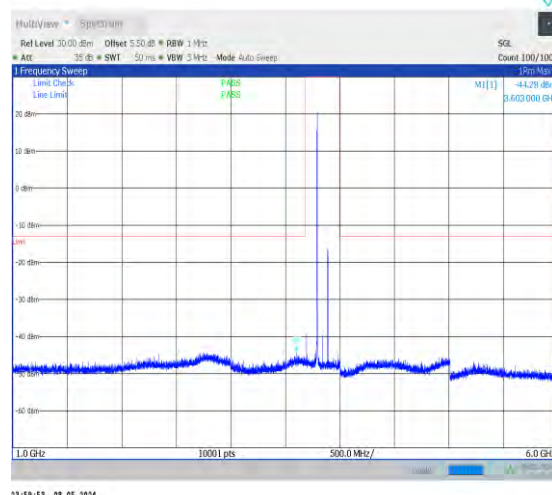
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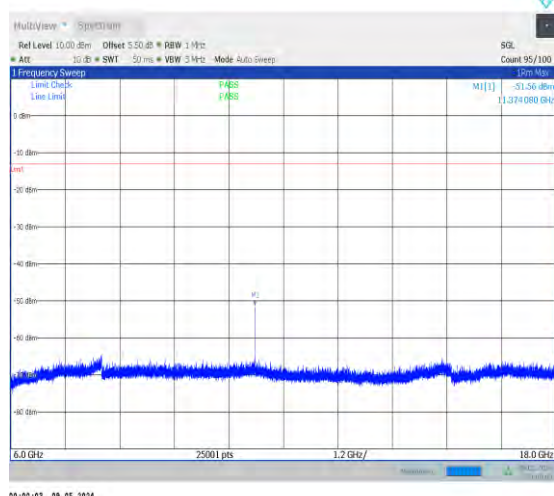
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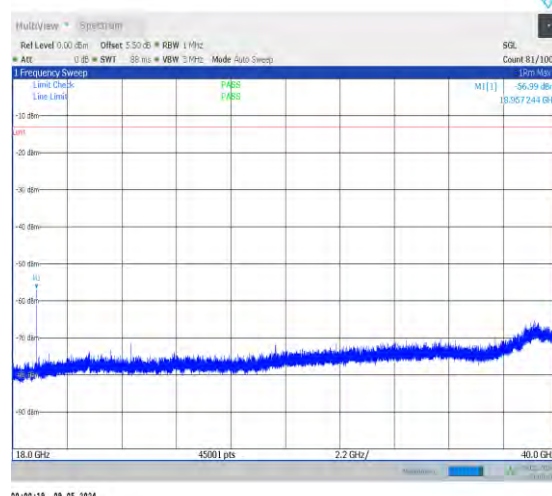
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1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant0-3603.00--44.28--13-PASS



1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant0-11374.08--5 1.56--13-PASS



1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant0-18957.24--56.99--13-PASS



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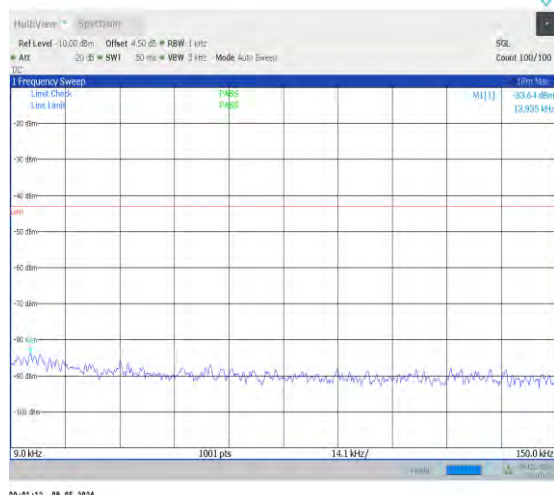
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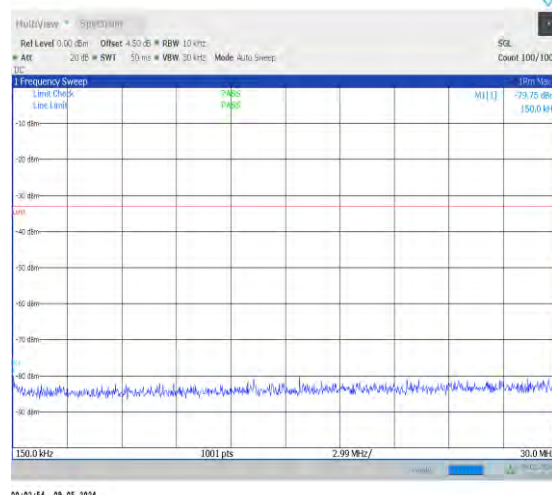
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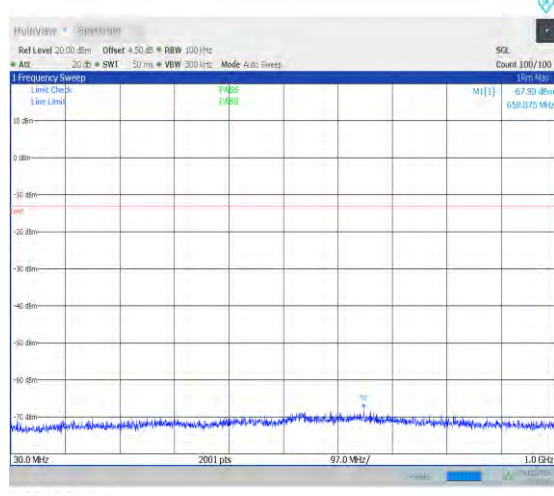
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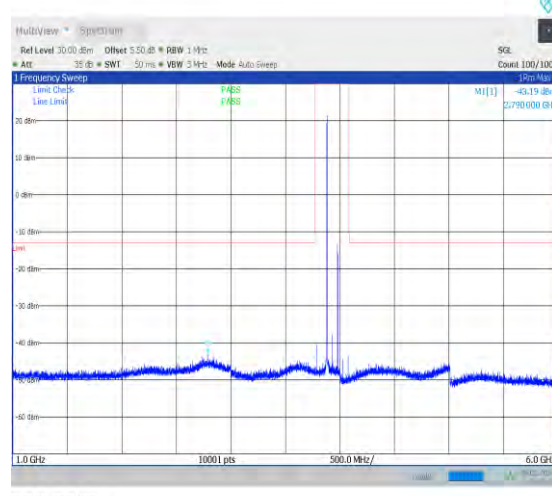
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-PASS



1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-0.15-30-Ant0-0.15--79.75--33-PA
SS



1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-30-1000-Ant0-658.08--67.93--13
-PASS



1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-1000-6000-Ant0-2790.00--43.19--
-13-PASS



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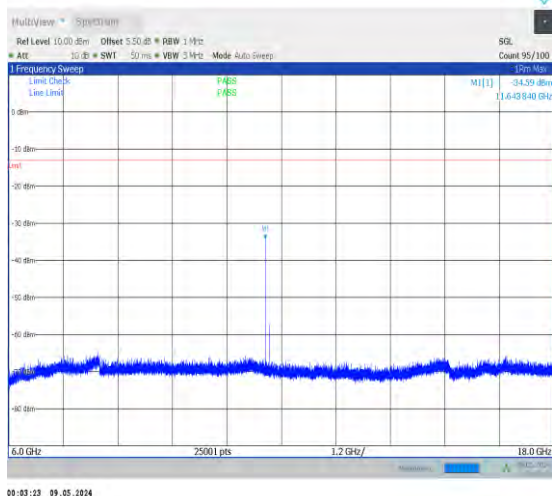
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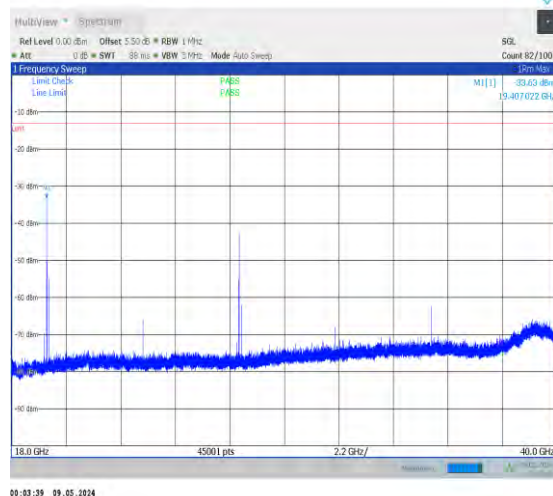
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59--13-PASS



1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-In
ner_1RB_Left-1@1-18000-40000-Ant0-19407.02--33
.63--13-PASS



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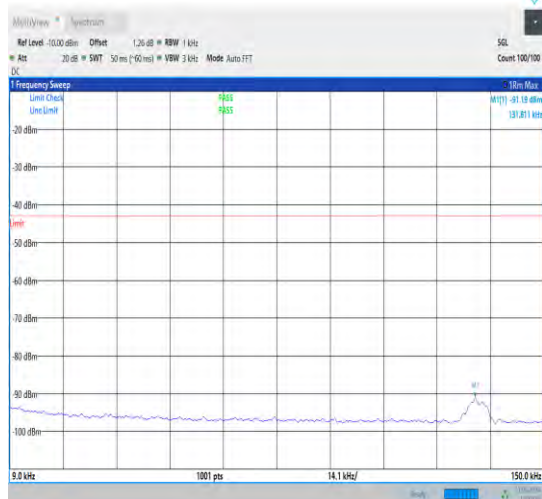
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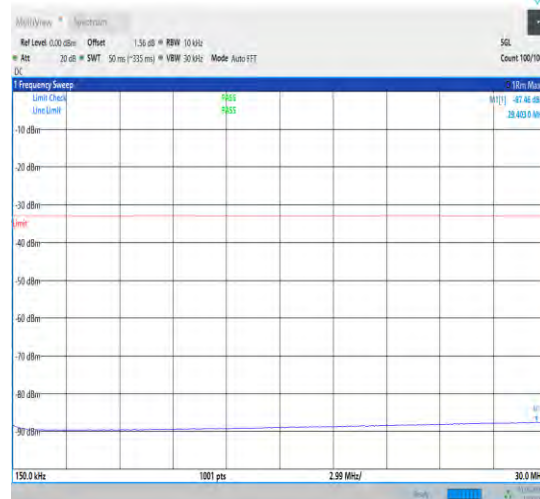
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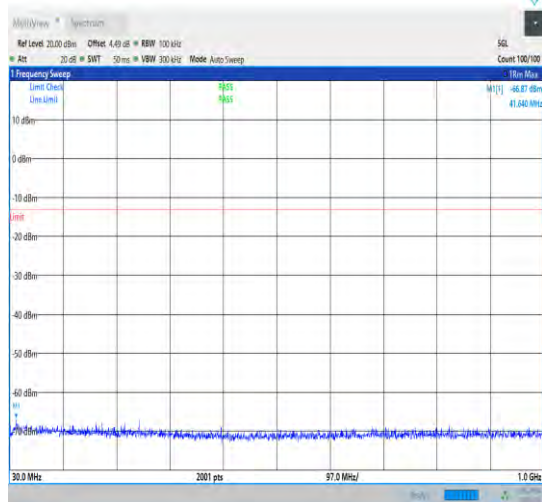
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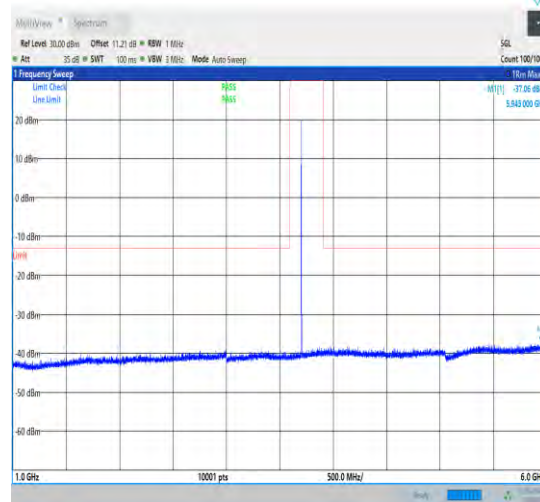
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1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant0-41.64--66.87--13-PASS



1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant0-5943.00--37.06--13-PASS



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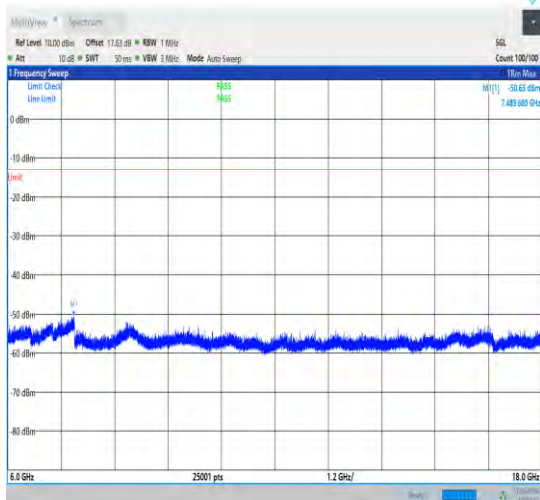
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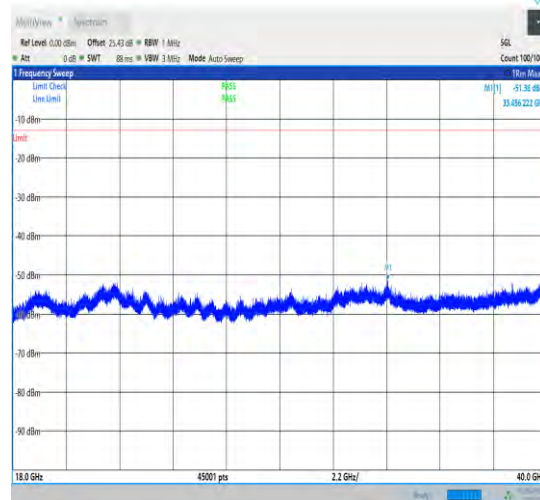
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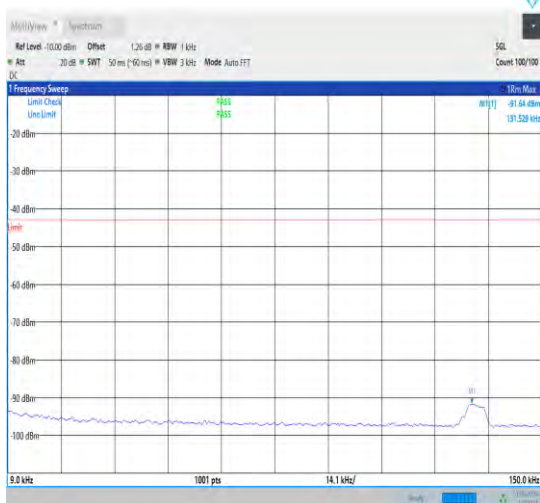
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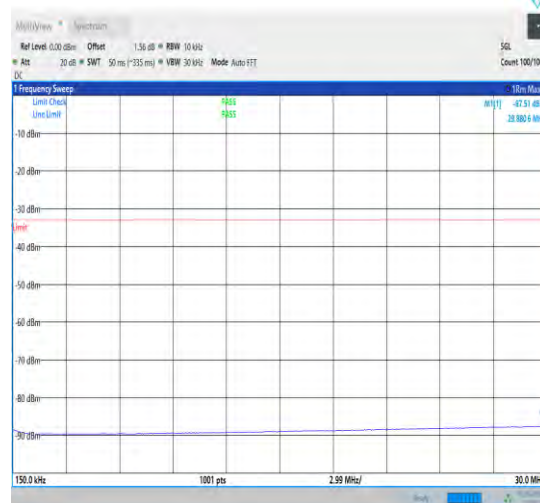
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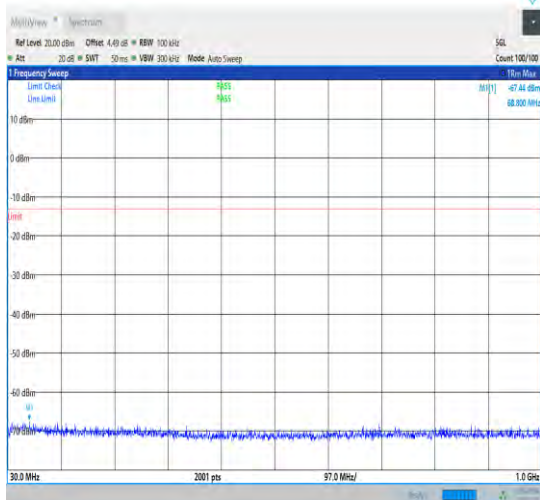
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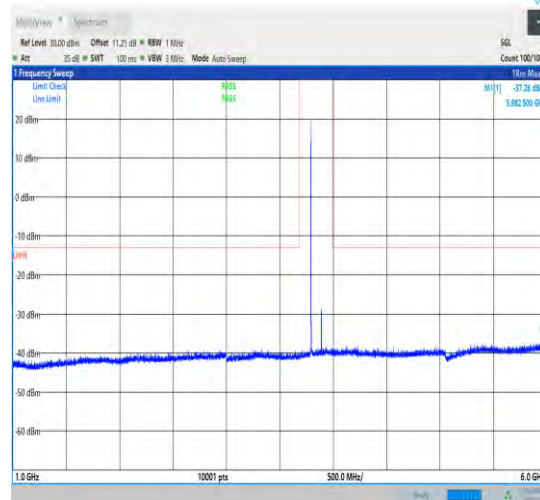
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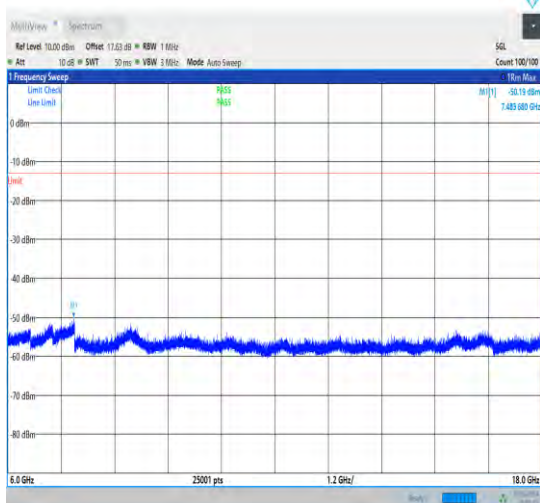
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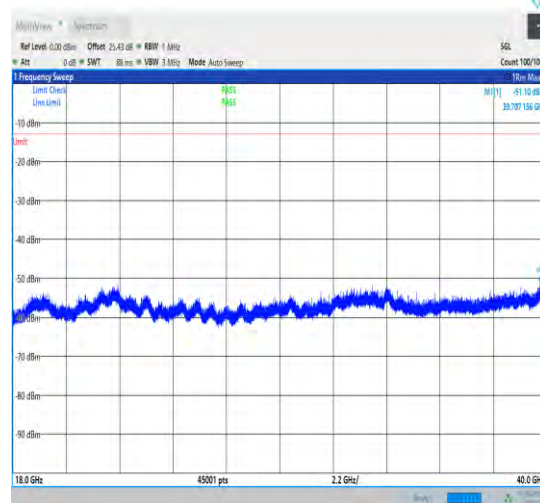
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S



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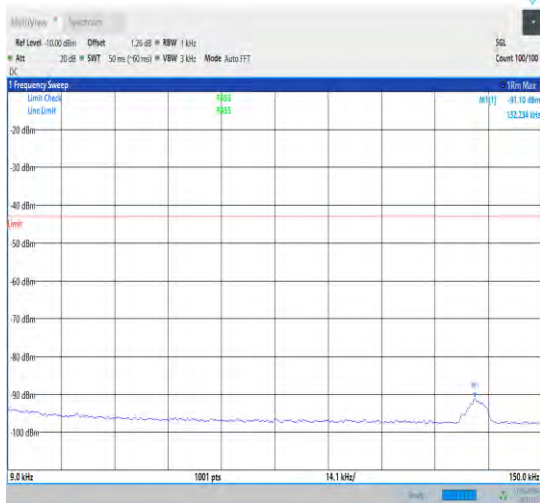
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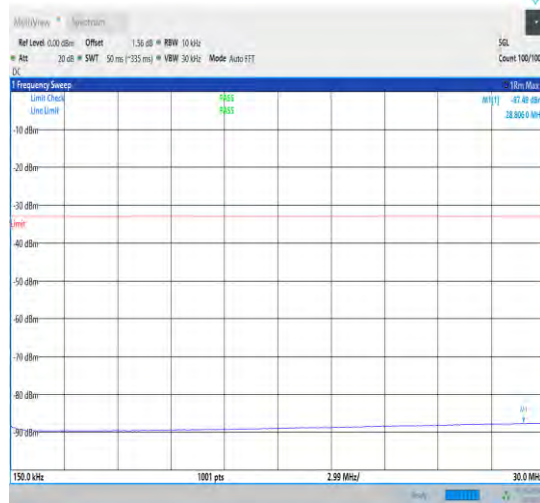
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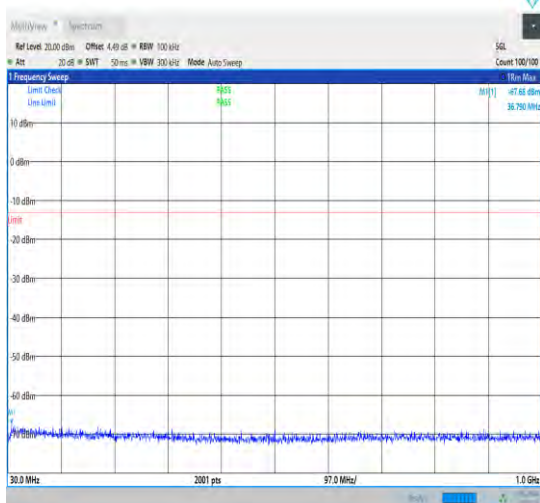
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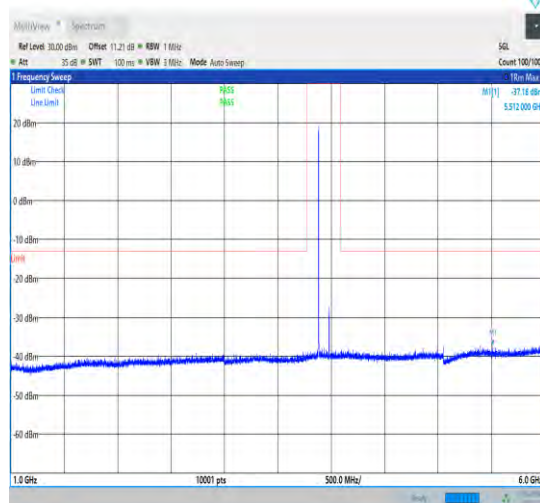
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1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant0-28.81--87.49--33-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant0-36.79--67.68--13-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant0-5512.00--37.18--13-PASS



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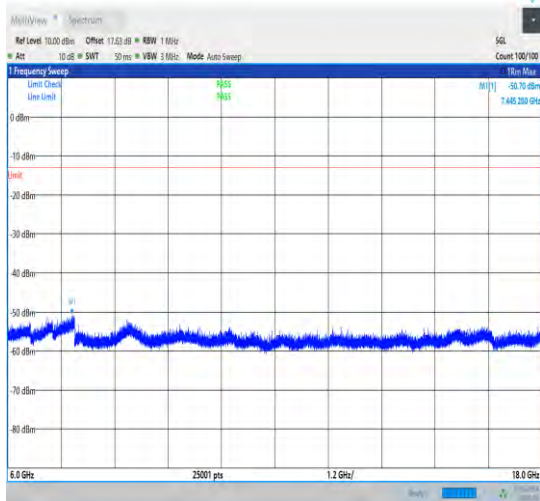
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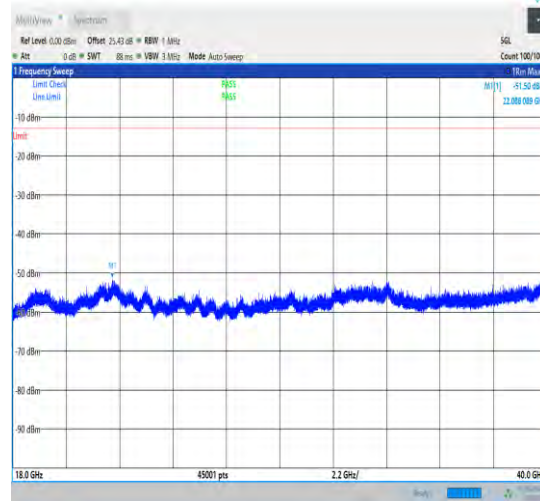
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1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant0-7445.28--50.70--1
3-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant0-22088.09--51.50--1
3-PASS



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Field Strength of Spurious Radiation

Test Band = SA_N77(3700-3980)

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5365.4683	27.08	-14.89	33.17	-49.90	-13.00	36.90	Horizontal
2	7839.692	49.05	-42.13	37.10	-51.24	-13.00	38.24	Horizontal
3	9504.1752	48.73	-39.23	39.19	-46.57	-13.00	33.57	Horizontal
4	11964.8982	47.13	-36.76	39.44	-45.45	-13.00	32.45	Horizontal
5	15145.0573	47.29	-34.22	39.71	-42.48	-13.00	29.48	Horizontal
6	17984.3992	47.80	-38.02	42.71	-42.77	-13.00	29.77	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5045.6523	27.36	-15.09	33.37	-49.62	-13.00	36.62	Vertical
2	7363.8682	49.92	-42.87	36.87	-51.34	-13.00	38.34	Vertical
3	9484.3742	49.48	-39.42	39.14	-46.06	-13.00	33.06	Vertical
4	12917.7459	46.91	-35.79	39.61	-44.53	-13.00	31.53	Vertical
5	15089.2545	47.29	-34.58	39.81	-42.74	-13.00	29.74	Vertical
6	17893.1947	48.58	-37.52	42.15	-42.05	-13.00	29.05	Vertical



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Test Band = SA_N77(3700-3980)

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5143.3072	27.64	-15.62	33.59	-49.65	-13.00	36.65	Horizontal
2	7055.4528	50.70	-43.50	36.37	-51.69	-13.00	38.69	Horizontal
3	8555.5278	48.86	-40.80	39.00	-48.20	-13.00	35.20	Horizontal
4	9492.7746	48.83	-39.29	39.17	-46.55	-13.00	33.55	Horizontal
5	12550.5275	46.46	-36.03	39.45	-45.38	-13.00	32.38	Horizontal
6	15073.6537	47.02	-34.40	39.83	-42.81	-13.00	29.81	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5054.2027	27.66	-15.09	33.41	-49.28	-13.00	36.28	Vertical
2	7374.0687	50.32	-42.73	36.85	-50.82	-13.00	37.82	Vertical
3	9509.5755	48.70	-39.29	39.18	-46.67	-13.00	33.67	Vertical
4	11374.4687	47.46	-37.35	39.67	-45.48	-13.00	32.48	Vertical
5	13844.7922	46.31	-35.08	40.49	-43.54	-13.00	30.54	Vertical
6	17657.3829	48.85	-37.43	41.33	-42.51	-13.00	29.51	Vertical



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Test Band = SA_N77(3700-3980)

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5034.1017	27.41	-15.13	33.30	-49.68	-13.00	36.68	Horizontal
2	6238.8119	50.89	-44.06	34.36	-54.07	-13.00	41.07	Horizontal
3	8544.1272	48.94	-40.83	38.96	-48.19	-13.00	35.19	Horizontal
4	11276.0638	47.20	-37.43	39.62	-45.87	-13.00	32.87	Horizontal
5	15219.461	46.38	-34.62	39.52	-43.98	-13.00	30.98	Horizontal
6	17975.9988	47.92	-37.93	42.66	-42.61	-13.00	29.61	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5150.5075	27.89	-15.66	33.59	-49.44	-13.00	36.44	Vertical
2	7360.268	49.57	-42.92	36.88	-51.73	-13.00	38.73	Vertical
3	9481.3741	48.65	-39.47	39.13	-46.95	-13.00	33.95	Vertical
4	12460.523	46.77	-36.39	39.54	-45.34	-13.00	32.34	Vertical
5	14366.8183	47.03	-35.25	40.57	-42.91	-13.00	29.91	Vertical
6	17984.3992	47.95	-38.02	42.71	-42.62	-13.00	29.62	Vertical



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Test Band = SA_N77(3700-3980) MIMO

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5063.8032	27.41	-15.14	33.43	-49.56	-13.00	36.56	Horizontal
2	7884.0942	49.84	-41.93	37.30	-50.05	-13.00	37.05	Horizontal
3	9511.3756	48.81	-39.31	39.18	-46.58	-13.00	33.58	Horizontal
4	11159.658	48.23	-37.70	39.58	-45.15	-13.00	32.15	Horizontal
5	13880.794	46.04	-34.84	40.56	-43.50	-13.00	30.50	Horizontal
6	17983.7992	48.04	-38.01	42.70	-42.53	-13.00	29.53	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5096.9548	27.71	-15.30	33.49	-49.36	-13.00	36.36	Vertical
2	7192.2596	50.26	-43.27	37.10	-51.17	-13.00	38.17	Vertical
3	9477.7739	49.32	-39.52	39.11	-46.35	-13.00	33.35	Vertical
4	11983.4992	47.08	-36.68	39.42	-45.44	-13.00	32.44	Vertical
5	14373.4187	47.16	-35.26	40.55	-42.81	-13.00	29.81	Vertical
6	17978.999	47.83	-37.96	42.67	-42.72	-13.00	29.72	Vertical



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Report No.: SUCR240400009002

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Test Band = SA_N77(3700-3980) MIMO
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5081.6541	28.26	-15.23	33.46	-48.77	-13.00	35.77	Horizontal
2	7372.8686	51.04	-42.75	36.85	-50.12	-13.00	37.12	Horizontal
3	8794.3397	49.50	-40.59	38.39	-47.96	-13.00	34.96	Horizontal
4	10722.2361	47.84	-37.80	39.54	-45.68	-13.00	32.68	Horizontal
5	14093.2047	47.60	-35.28	40.69	-42.25	-13.00	29.25	Horizontal
6	17989.1995	48.97	-38.06	42.74	-41.61	-13.00	28.61	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5115.4058	28.47	-15.43	33.53	-48.69	-13.00	35.69	Vertical
2	6868.2434	51.33	-43.48	36.14	-51.27	-13.00	38.27	Vertical
3	8799.14	49.32	-40.56	38.40	-48.10	-13.00	35.10	Vertical
4	11437.4719	48.44	-37.01	39.63	-44.20	-13.00	31.20	Vertical
5	14554.6277	47.10	-34.71	40.55	-42.32	-13.00	29.32	Vertical
6	17975.3988	48.87	-37.93	42.65	-41.67	-13.00	28.67	Vertical



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Test Band = SA_N77(3700-3980) MIMO

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5040.402	27.29	-15.10	33.34	-49.73	-13.00	36.73	Horizontal
2	8021.5011	49.62	-41.92	37.49	-50.07	-13.00	37.07	Horizontal
3	9499.375	49.18	-39.19	39.20	-46.07	-13.00	33.07	Horizontal
4	13000.55	46.32	-35.19	40.10	-44.03	-13.00	31.03	Horizontal
5	15095.8548	47.58	-34.65	39.80	-42.53	-13.00	29.53	Horizontal
6	17978.3989	47.77	-37.96	42.67	-42.78	-13.00	29.78	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5047.1524	27.17	-15.08	33.38	-49.79	-13.00	36.79	Vertical
2	8064.1032	50.11	-41.73	37.57	-49.31	-13.00	36.31	Vertical
3	9474.1737	49.00	-39.58	39.10	-46.74	-13.00	33.74	Vertical
4	12882.9441	47.01	-35.73	39.47	-44.51	-13.00	31.51	Vertical
5	15089.8545	47.33	-34.59	39.81	-42.71	-13.00	29.71	Vertical
6	17994.5997	48.21	-38.12	42.77	-42.40	-13.00	29.40	Vertical



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Test Band = NSA_B12+N77(3700-3980)

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1410.5	30.36	-19.10	25.78	-58.22	-13.00	45.22	Horizontal
2	2116	32.40	-18.09	27.47	-53.48	-13.00	40.48	Horizontal
3	7384	50.82	-42.60	36.83	-50.21	-13.00	37.21	Horizontal
4	11848.5	47.57	-36.71	39.71	-44.69	-13.00	31.69	Horizontal
5	14493	47.66	-35.13	40.59	-42.14	-13.00	29.14	Horizontal
6	17627	49.84	-37.53	41.21	-41.74	-13.00	28.74	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5847.5	27.30	-12.91	34.10	-46.77	-13.00	33.77	Vertical
2	7402	53.43	-42.40	36.80	-47.43	-13.00	34.43	Vertical
3	10509.5	48.27	-37.98	39.21	-45.76	-13.00	32.76	Vertical
4	11432	48.82	-37.01	39.64	-43.81	-13.00	30.81	Vertical
5	13885.5	47.36	-34.81	40.57	-42.14	-13.00	29.14	Vertical
6	17650.5	49.93	-37.47	41.30	-41.50	-13.00	28.50	Vertical



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Test Band = NSA_B12+N77(3700-3980)
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2116	35.67	-18.09	27.47	-50.21	-13.00	37.21	Horizontal
2	4814.5	30.06	-12.71	32.52	-45.39	-13.00	32.39	Horizontal
3	7397	50.90	-42.42	36.81	-49.97	-13.00	36.97	Horizontal
4	11193	47.87	-37.77	39.68	-45.48	-13.00	32.48	Horizontal
5	15047.5	47.29	-34.15	39.85	-42.27	-13.00	29.27	Horizontal
6	17983	48.91	-38.00	42.70	-41.65	-13.00	28.65	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1768	26.21	-18.65	25.57	-62.13	-13.00	49.13	Vertical
2	7582	51.69	-42.52	36.74	-49.35	-13.00	36.35	Vertical
3	9887.5	48.44	-39.11	39.03	-46.90	-13.00	33.90	Vertical
4	13243.5	46.40	-35.18	40.36	-43.68	-13.00	30.68	Vertical
5	16851	48.67	-34.71	38.75	-42.55	-13.00	29.55	Vertical
6	17823.5	49.22	-37.34	41.59	-41.79	-13.00	28.79	Vertical



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Test Band = NSA_B12+N77(3700-3980)
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1410.5	30.53	-19.10	25.78	-58.05	-13.00	45.05	Horizontal
2	2116	36.55	-18.09	27.47	-49.33	-13.00	36.33	Horizontal
3	6780.5	51.44	-43.90	36.26	-51.46	-13.00	38.46	Horizontal
4	9013	49.79	-40.44	38.77	-47.14	-13.00	34.14	Horizontal
5	12819	47.63	-35.88	39.34	-44.17	-13.00	31.17	Horizontal
6	16888	48.58	-34.57	38.79	-42.46	-13.00	29.46	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1280.5	24.67	-19.05	25.64	-64.00	-13.00	51.00	Vertical
2	2064	25.50	-18.22	27.21	-60.77	-13.00	47.77	Vertical
3	7762.5	54.43	-42.48	36.88	-46.43	-13.00	33.43	Vertical
4	10335	48.73	-38.36	38.67	-46.22	-13.00	33.22	Vertical
5	14444.5	47.95	-35.06	40.54	-41.83	-13.00	28.83	Vertical
6	17895.5	48.93	-37.53	42.16	-41.70	-13.00	28.70	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	3.100000	0.000807	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	0.800000	0.000208	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	1.700000	0.000443	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	7.500000	0.001953	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-6.600000	-0.001719	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	13.200000	0.003438	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	6.700000	0.001745	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	3.200000	0.000833	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	2.700000	0.000703	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-4.900000	-0.001276	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	5.500000	0.001432	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	0.000000	0.000000	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-7.000000	-0.001823	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-2.900000	-0.000755	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	4.000000	0.001042	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	-0.200000	-0.000052	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-1.700000	-0.000443	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-0.600000	-0.000156	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	4.500000	0.001172	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	-4.900000	-0.001276	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-5.600000	-0.001458	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	1.700000	0.000443	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	0.100000	0.000026	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-1.400000	-0.000365	PASS

---End of Attachment---



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