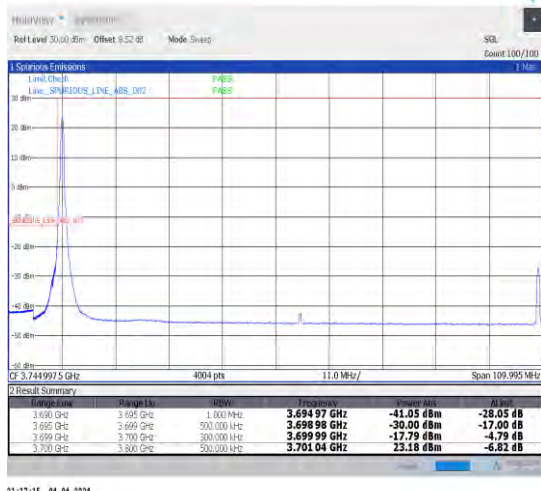
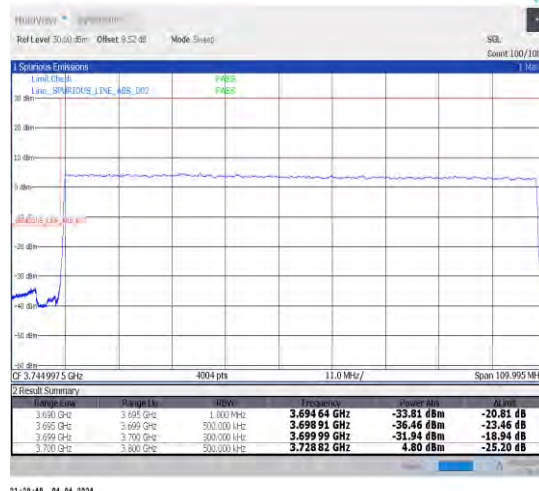




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B_Left-1@0-Ant1-1--PASS-see graph



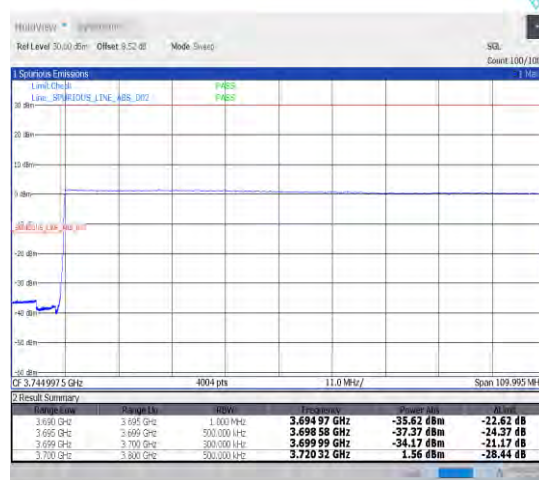
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eft-1@0-Ant1-1--PASS-see graph



21:28:01 04.04.2024

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



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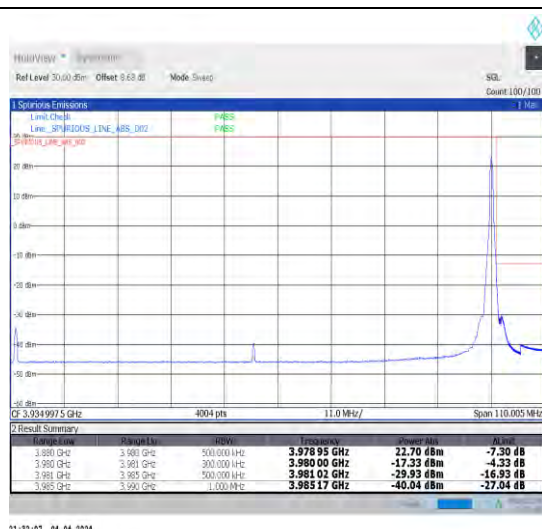
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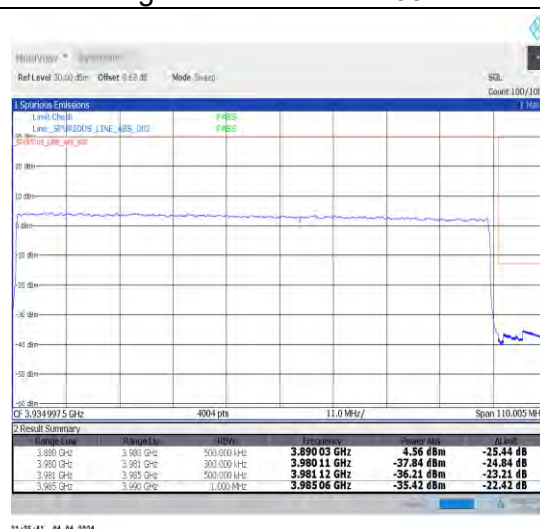
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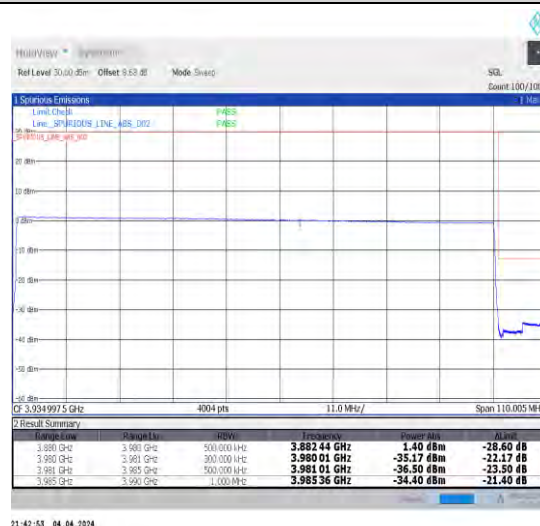
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1-N77-3700-3980-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph



1-N77-3700-3980-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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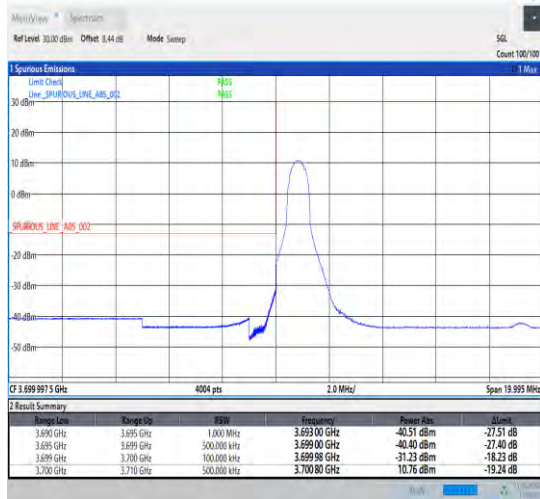
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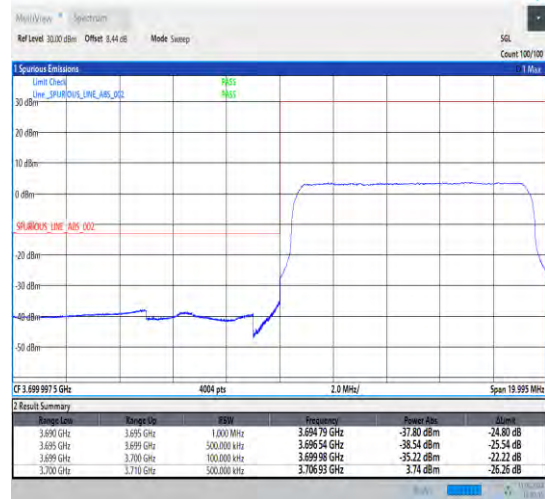
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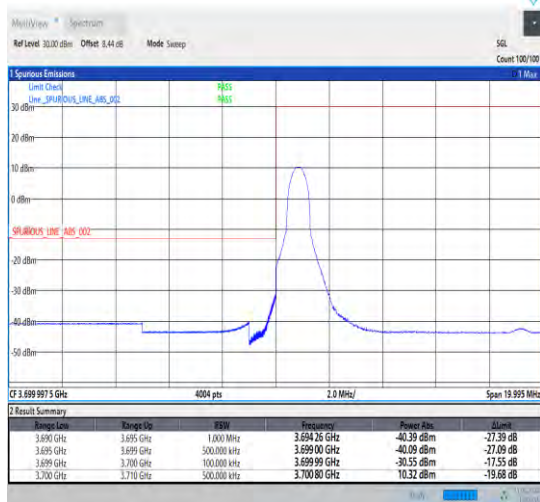
Test Graphs



1-N77-3700-3980-30-10-L-1-DFT-PI2BPSK-Edge_1RB
_Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-10-L-3-DFT-PI2BPSK-Outer
_Full-24@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-10-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-10-L-6-CP-QPSK-Outer_Full
-24@0-Ant1-1--PASS-see graph



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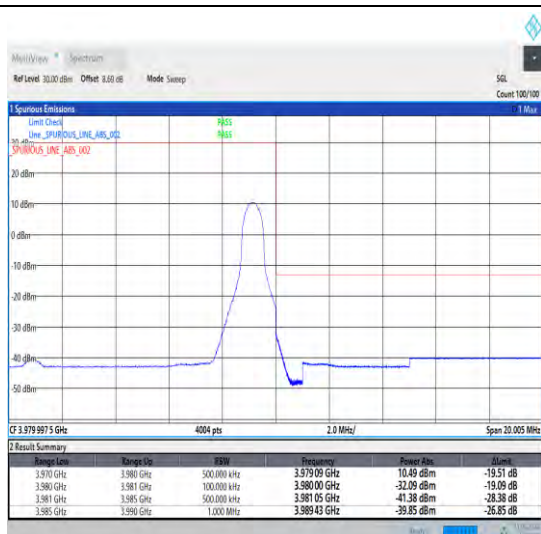
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1-N77-3700-3980-30-10-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@23-Ant1-1--PASS-see graph



1-N77-3700-3980-30-10-H-3-DFT-PI2BPSK-Outer_Full-24@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant1-1--PASS-see graph



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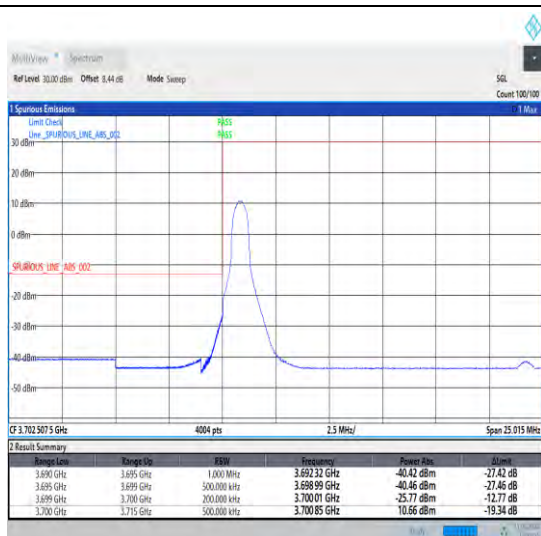
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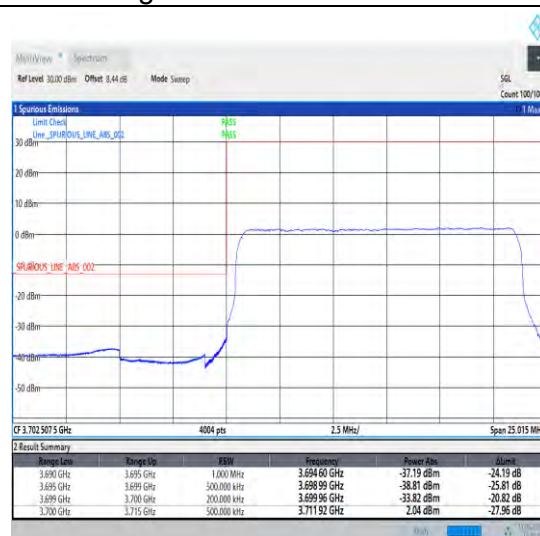
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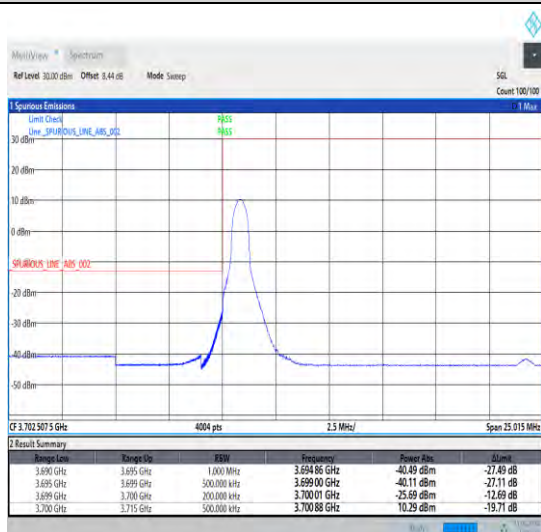
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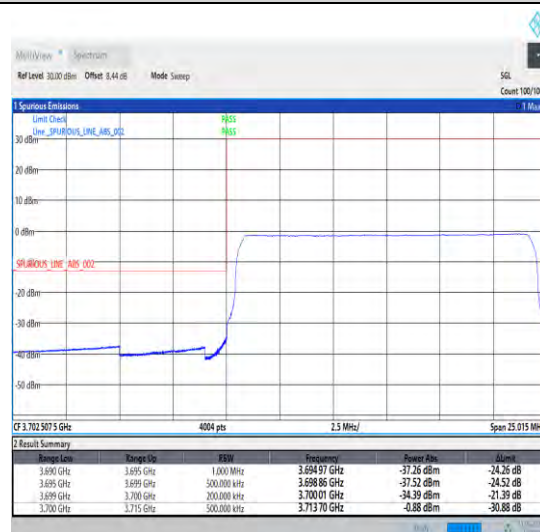
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1-N77-3700-3980-30-15-L-3-DFT-PI2BPSK-Outer
_Full-36@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-15-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-15-L-6-CP-QPSK-Outer_Full
-38@0-Ant1-1--PASS-see graph



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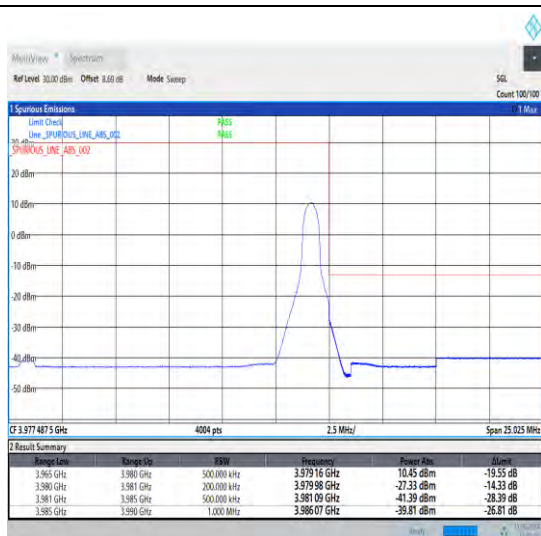
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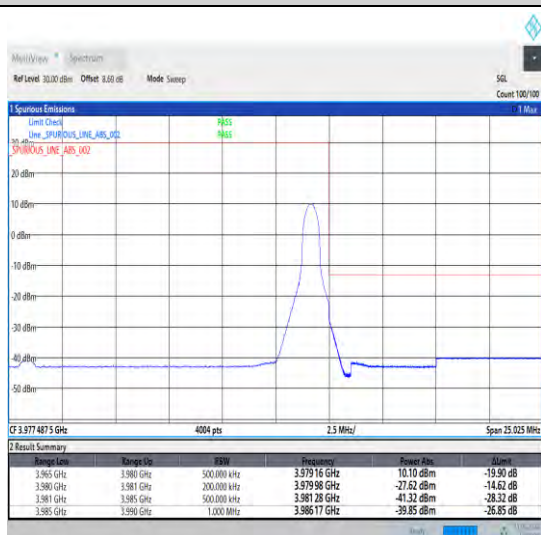
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1-N77-3700-3980-30-15-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@37-Ant1-1--PASS-see graph



1-N77-3700-3980-30-15-H-3-DFT-PI2BPSK-Outer_Full-36@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant1-1--PASS-see graph



1-N77-3700-3980-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



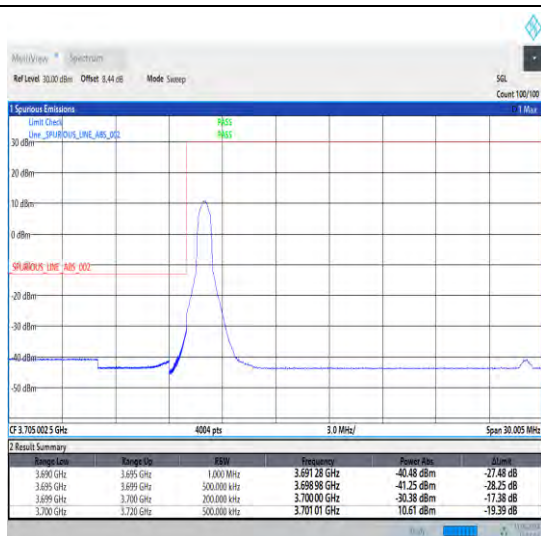
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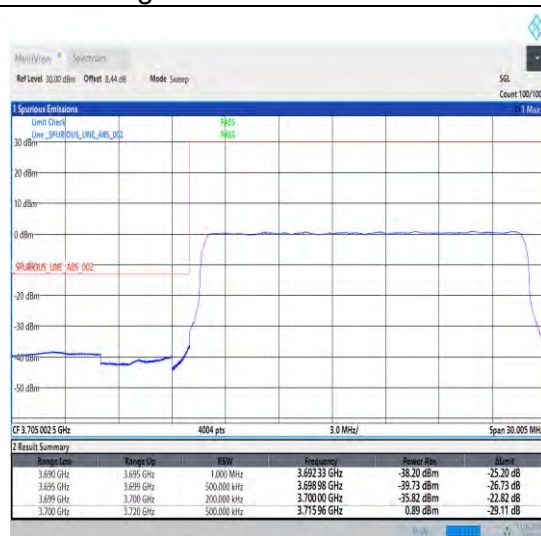
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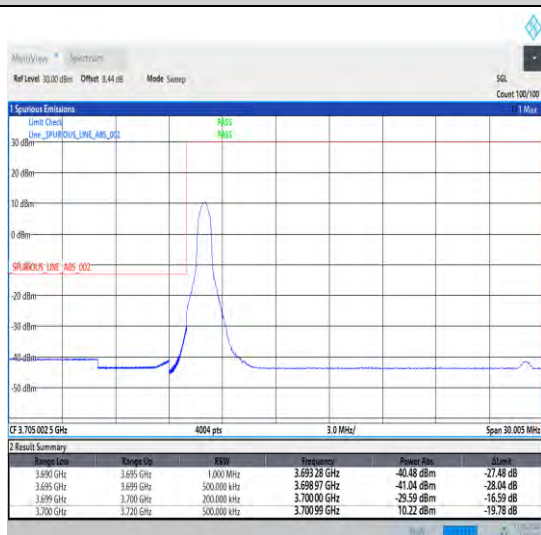
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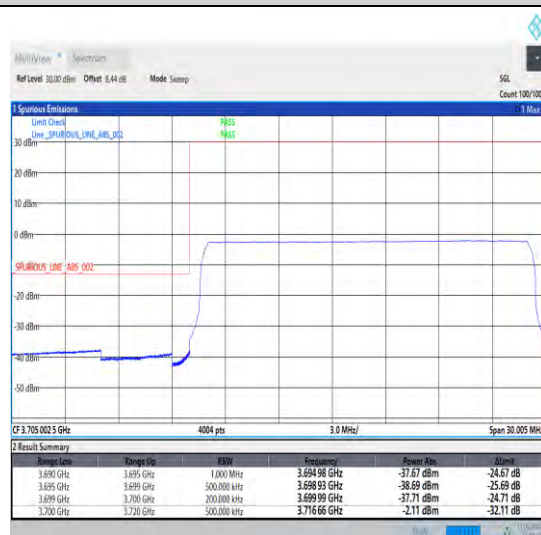
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_Full-50@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-20-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant1-1--PASS-see graph



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



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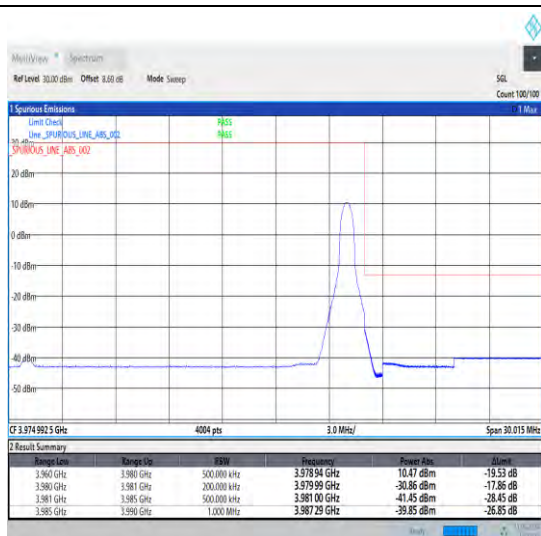
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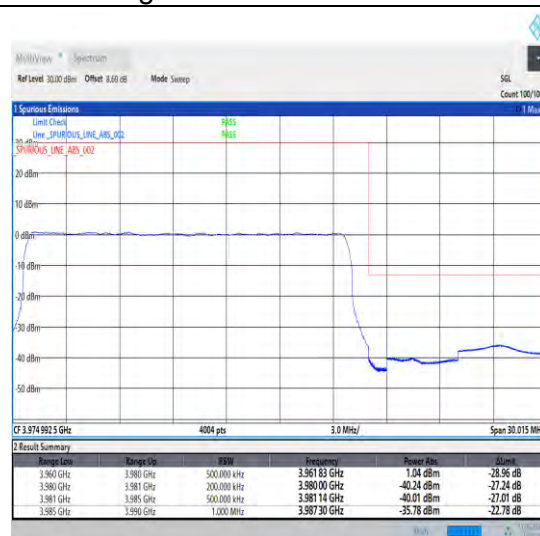
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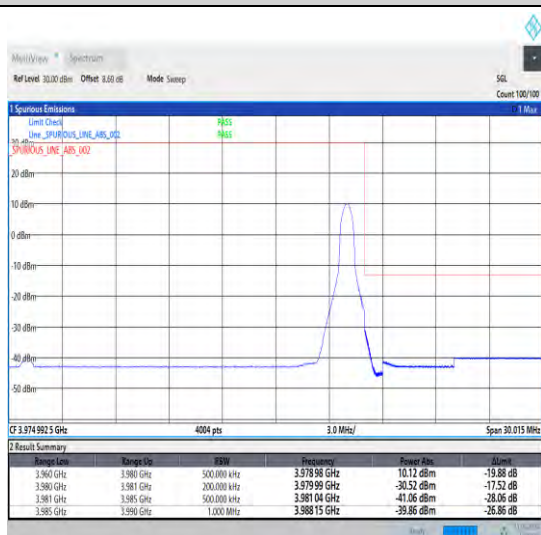
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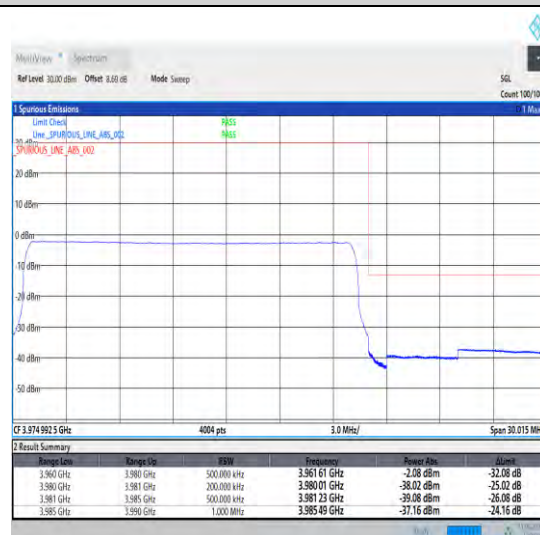
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1-N77-3700-3980-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph



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



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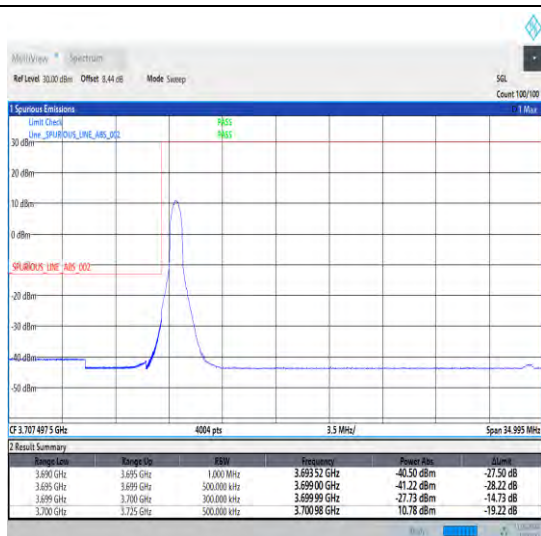
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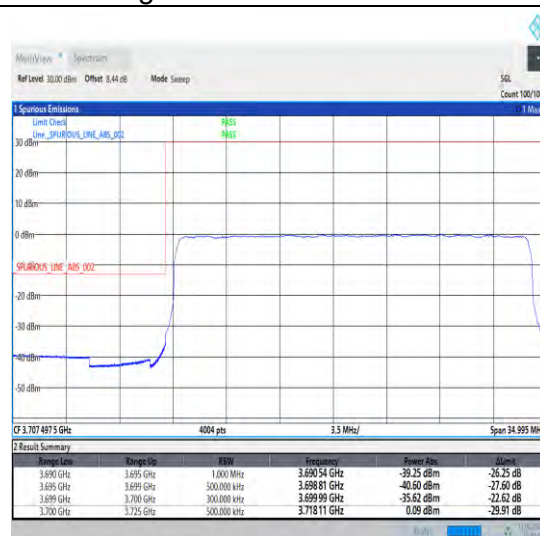
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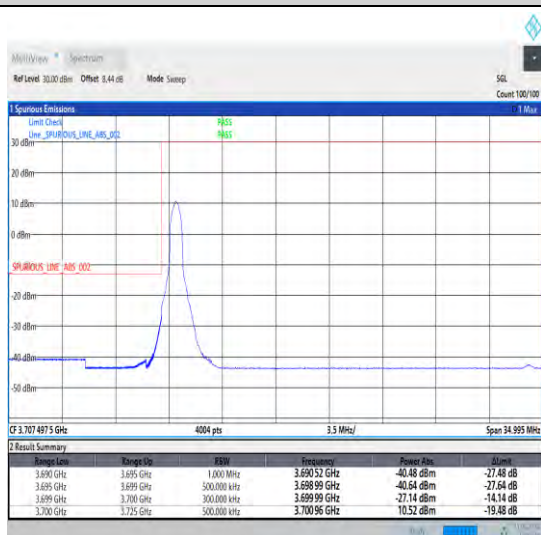
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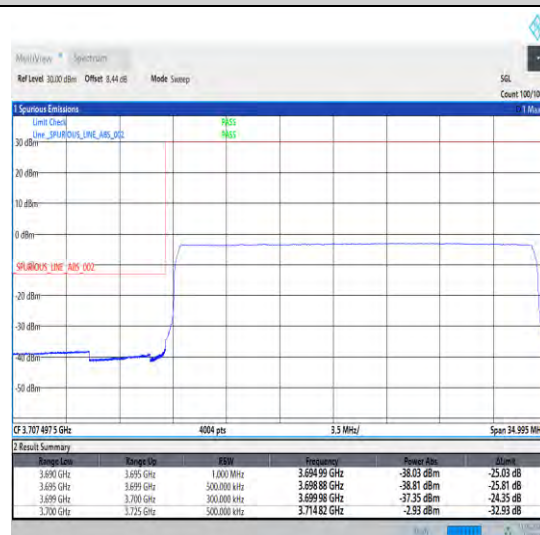
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1-N77-3700-3980-30-25-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-25-L-6-CP-QPSK-Outer_Full -65@0-Ant1-1--PASS-see graph



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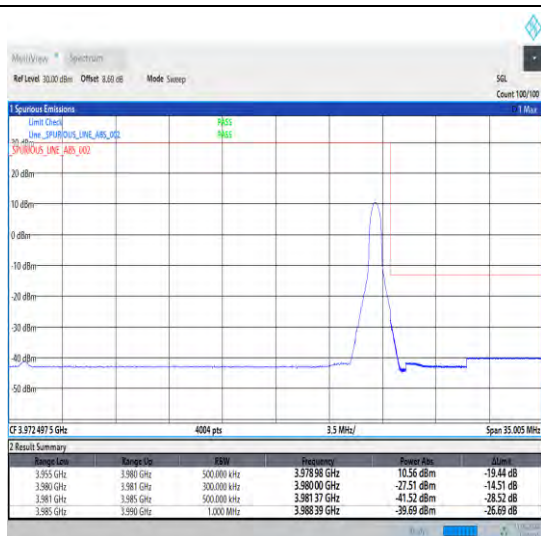
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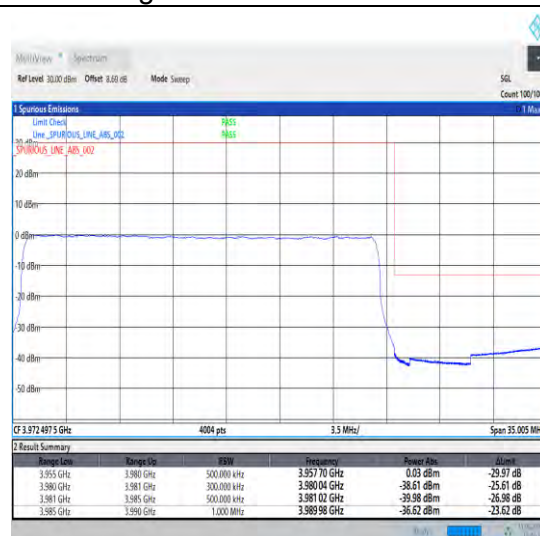
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Rev.: 01

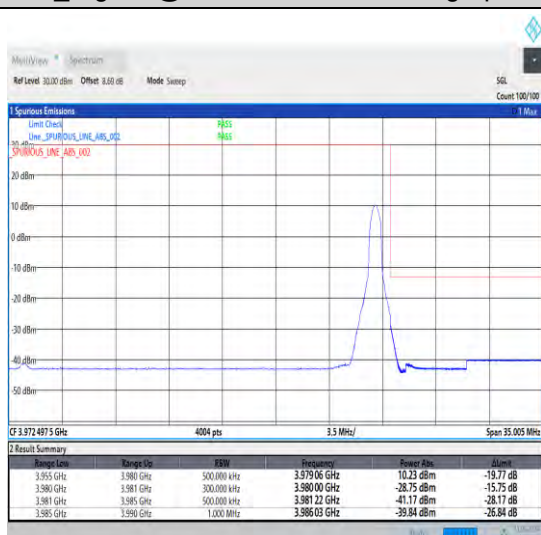
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1-N77-3700-3980-30-25-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@64-Ant1-1--PASS-see graph



1-N77-3700-3980-30-25-H-3-DFT-PI2BPSK-Outer_Full-64@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-25-H-5-CP-QPSK-Edge_1RB_Right-1@64-Ant1-1--PASS-see graph



1-N77-3700-3980-30-25-H-6-CP-QPSK-Outer_Full-65@0-Ant1-1--PASS-see graph



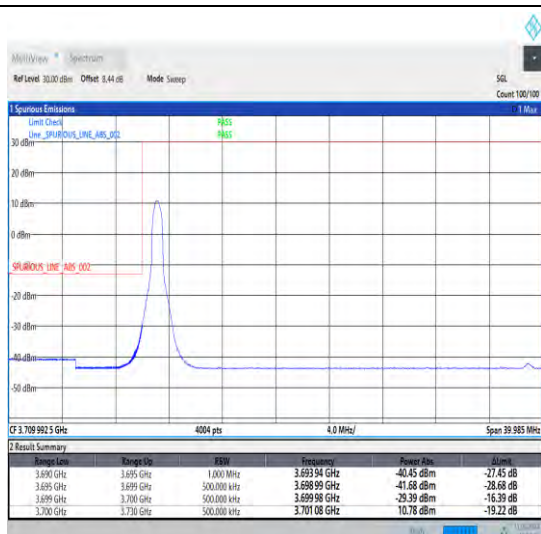
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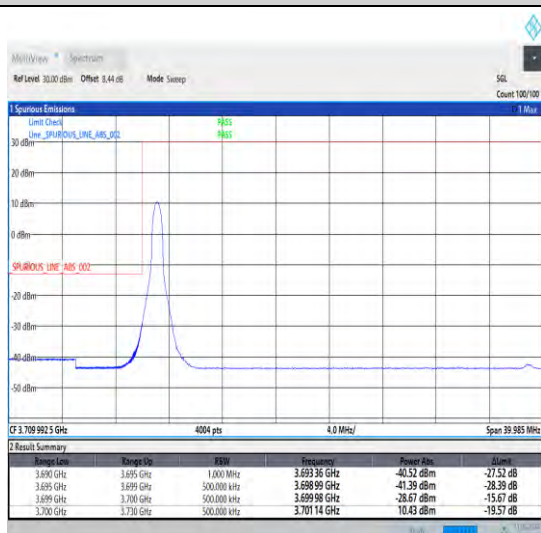
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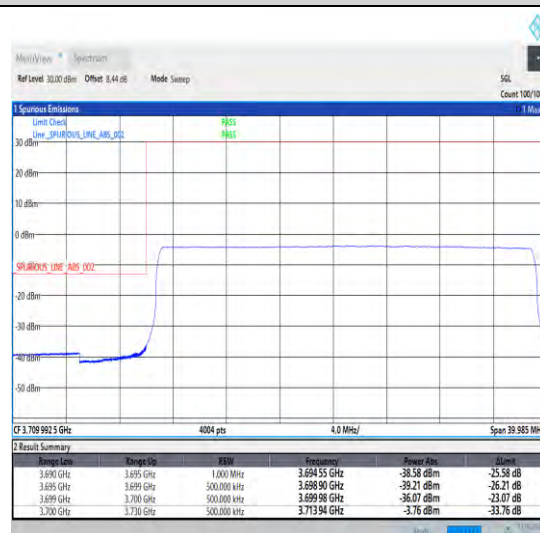
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_Full-75@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-30-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-30-L-6-CP-QPSK-Outer_Full
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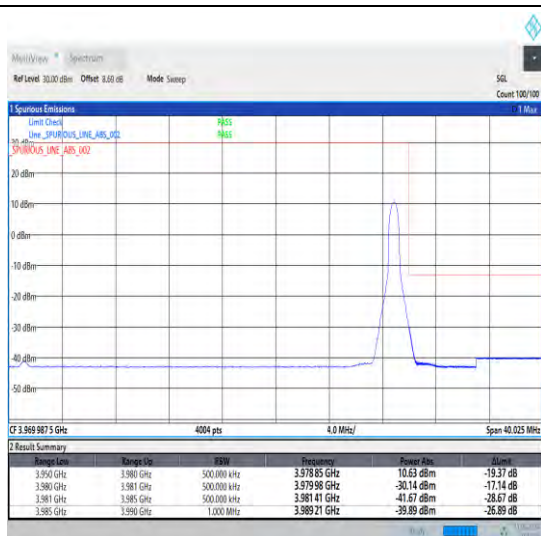
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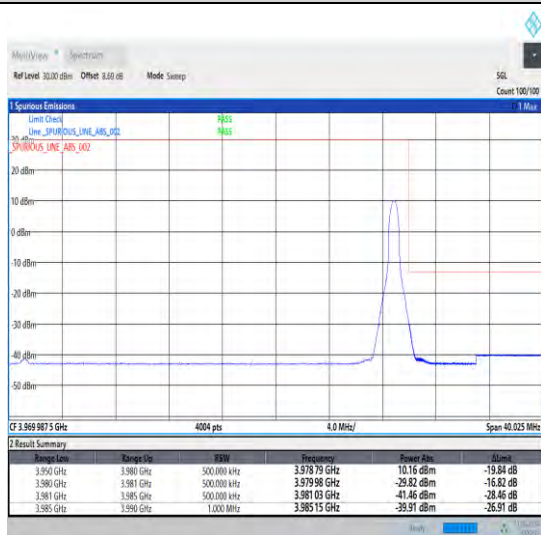
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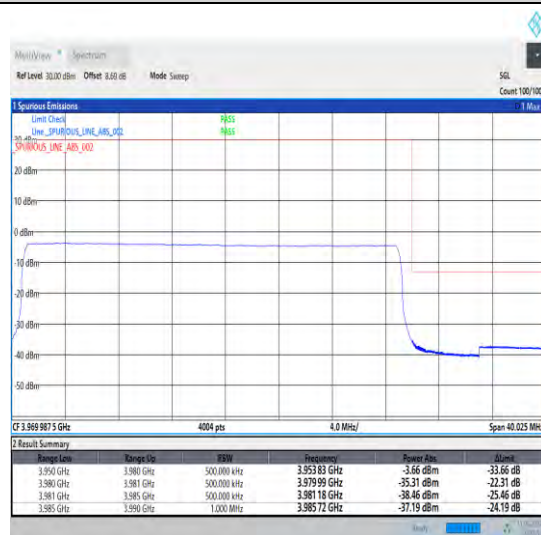
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1-N77-3700-3980-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant1-1--PASS-see graph



1-N77-3700-3980-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph



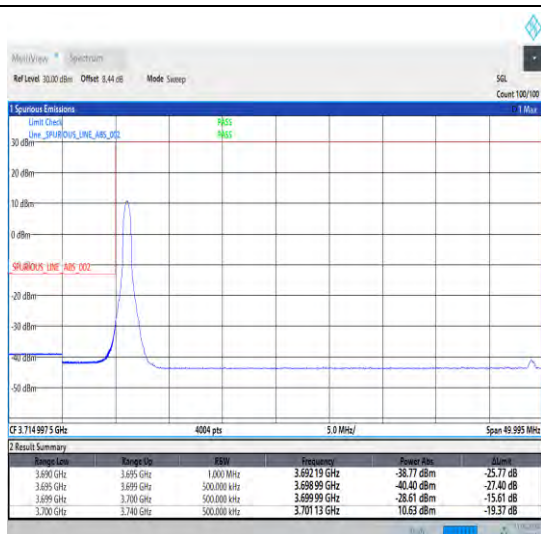
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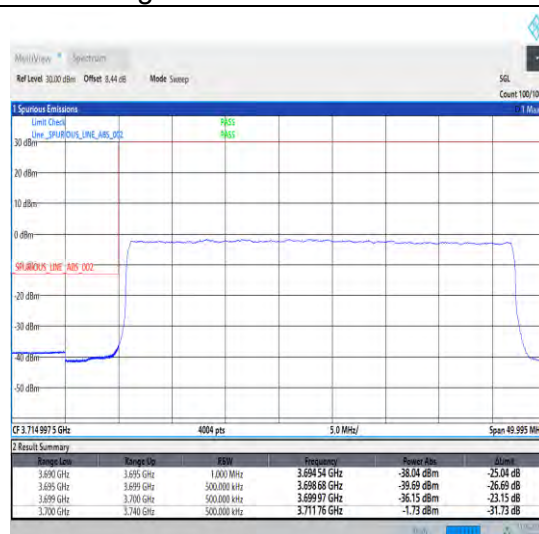
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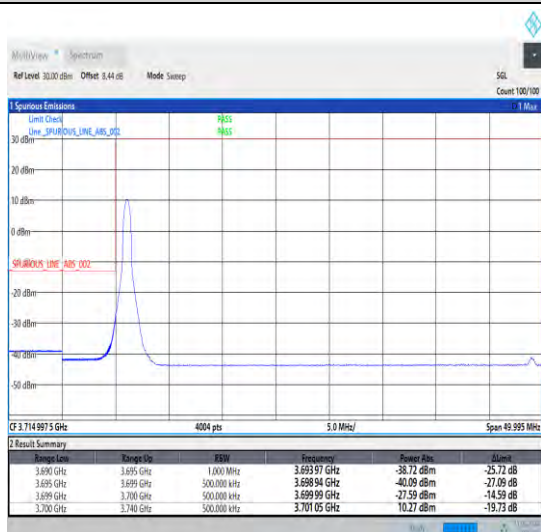
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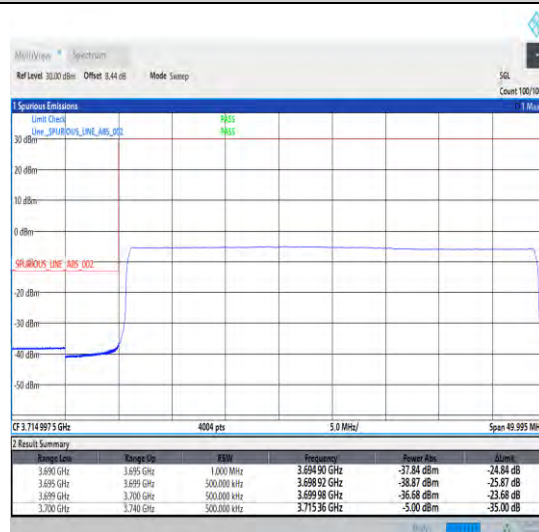
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1-N77-3700-3980-30-40-L-3-DFT-PI2BPSK-Outer
_Full-100@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-40-L-4-CP-QPSK-Edge_1RB_Lef
t-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



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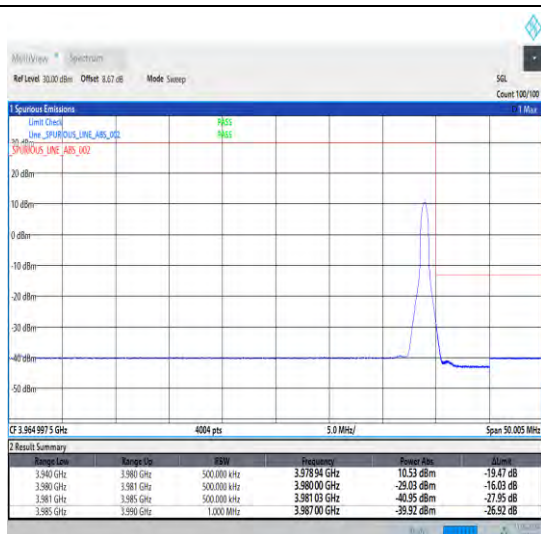
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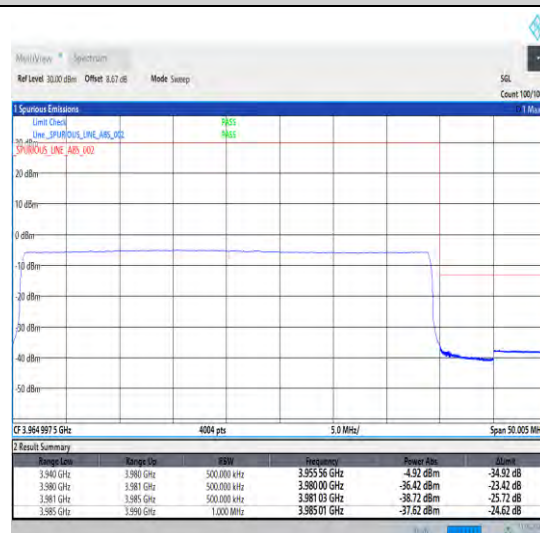
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1-N77-3700-3980-30-40-H-5-CP-QPSK-Edge_1RB_Ri
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1-N77-3700-3980-30-40-H-6-CP-QPSK-Outer_Full
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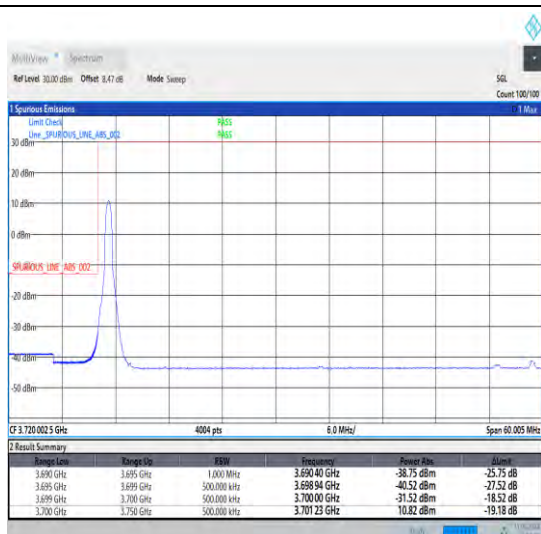
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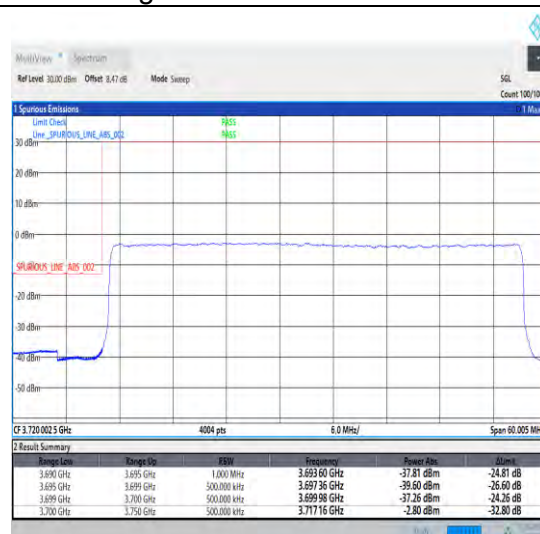
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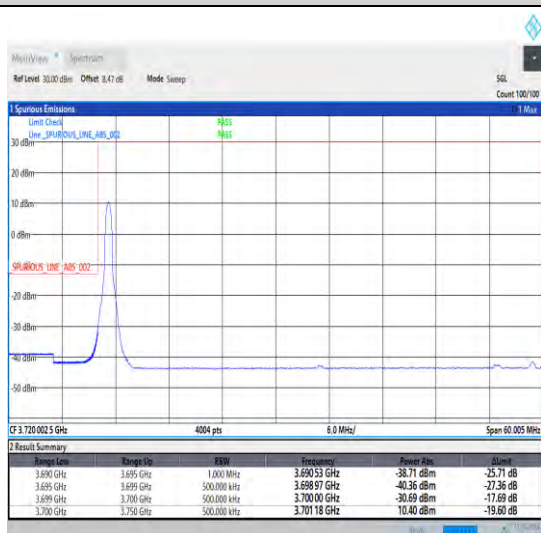
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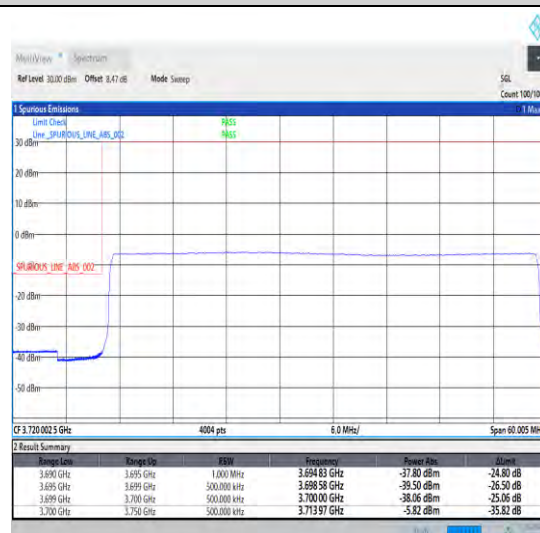
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_Full-128@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-50-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant1-1--PASS-see graph



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



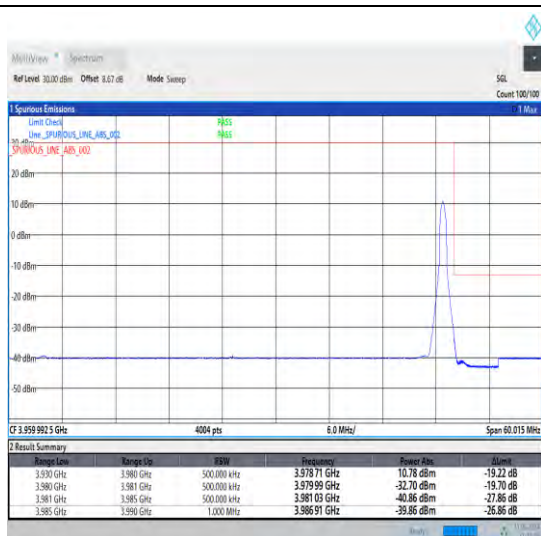
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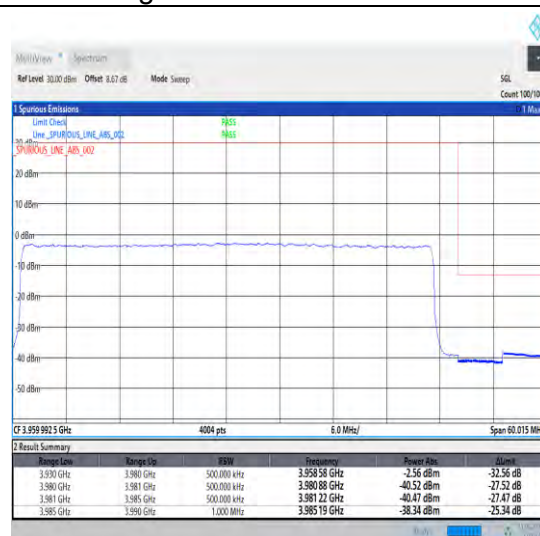
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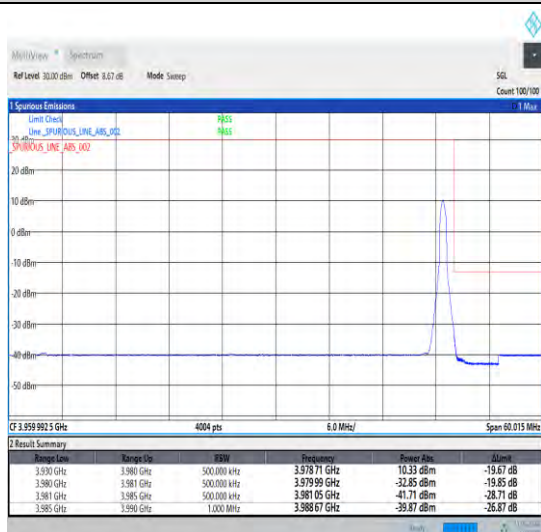
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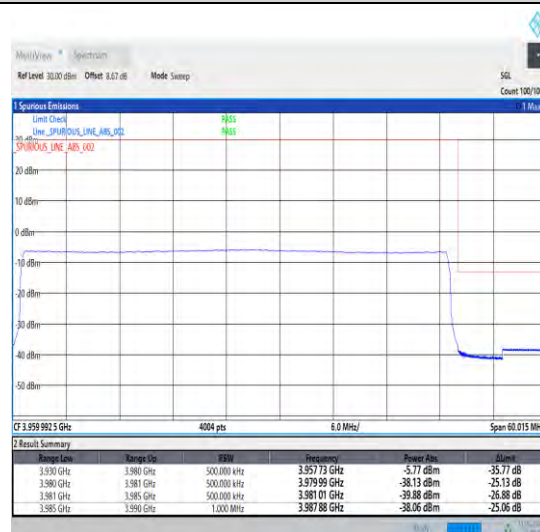
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1-N77-3700-3980-30-50-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@132-Ant1-1--PASS-see graph



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



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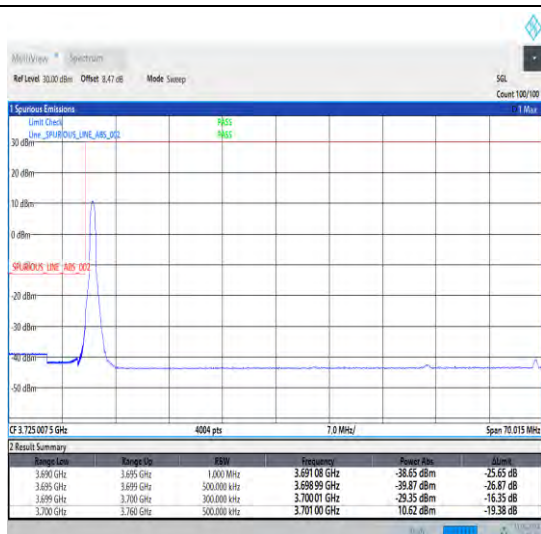
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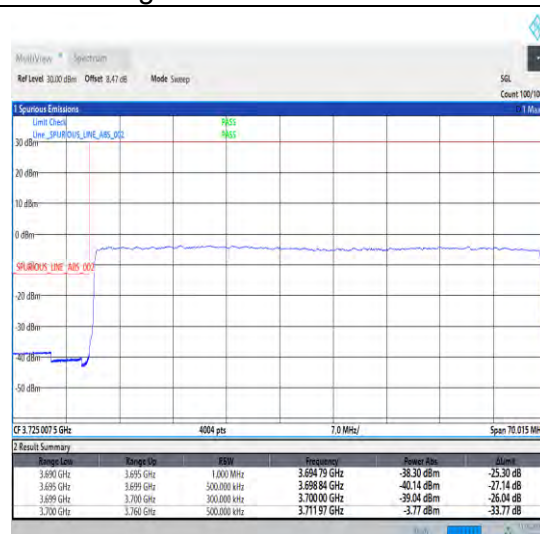
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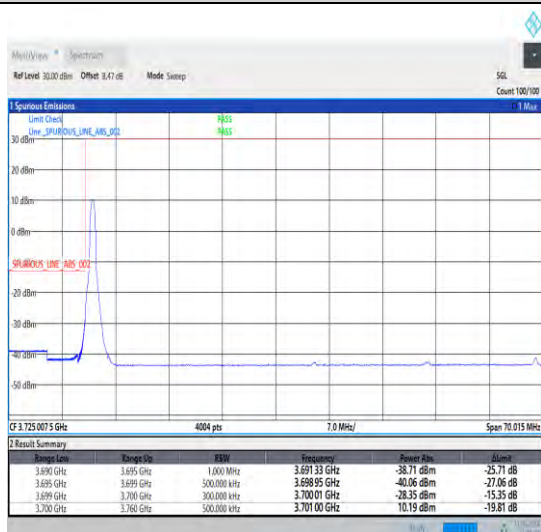
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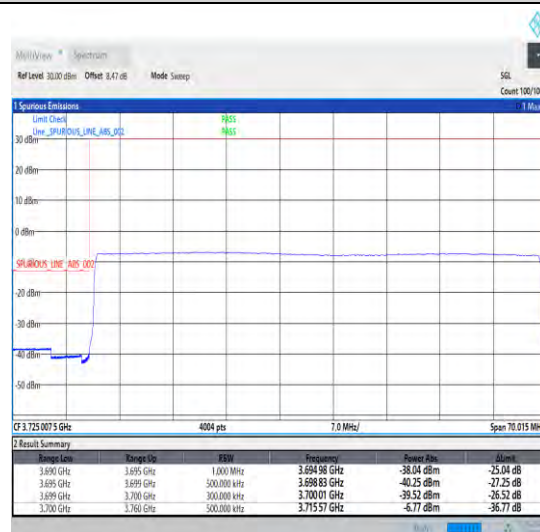
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_Full-162@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-60-L-4-CP-QPSK-Edge_1RB_Lef
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1-N77-3700-3980-30-60-L-6-CP-QPSK-Outer_Full
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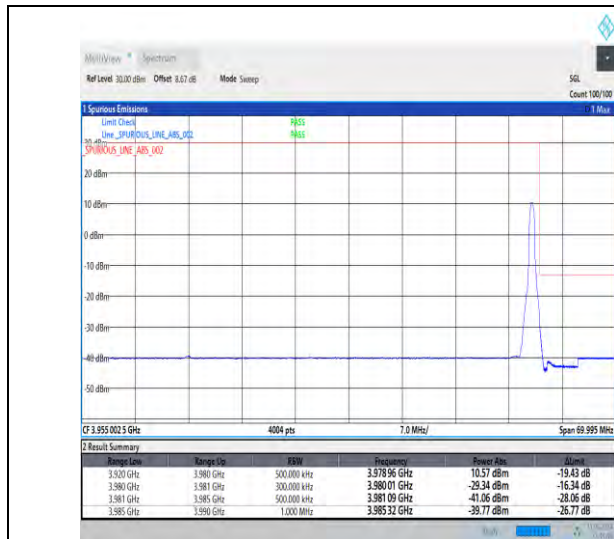
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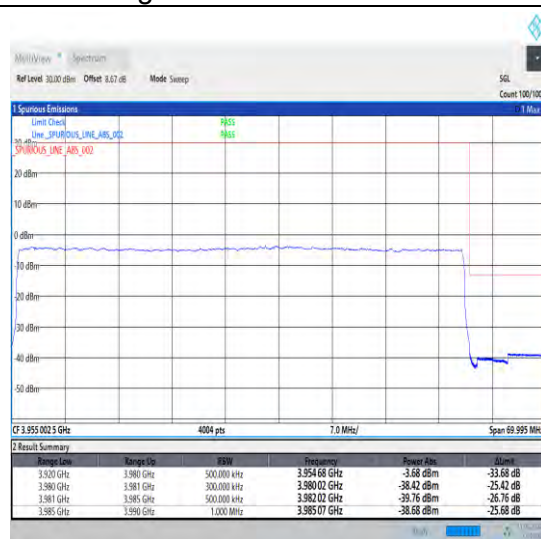
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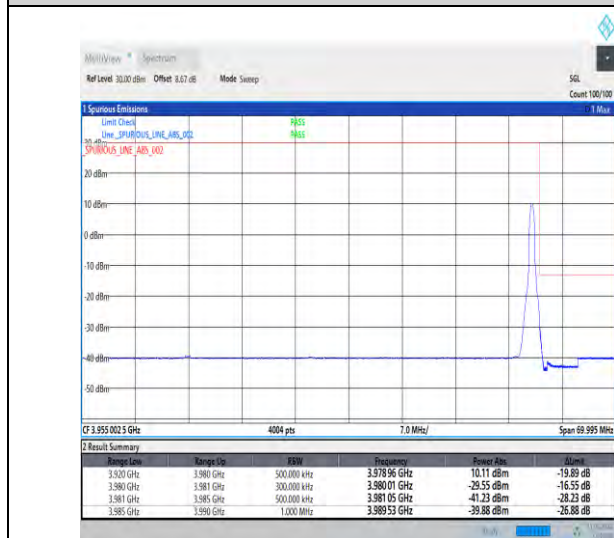
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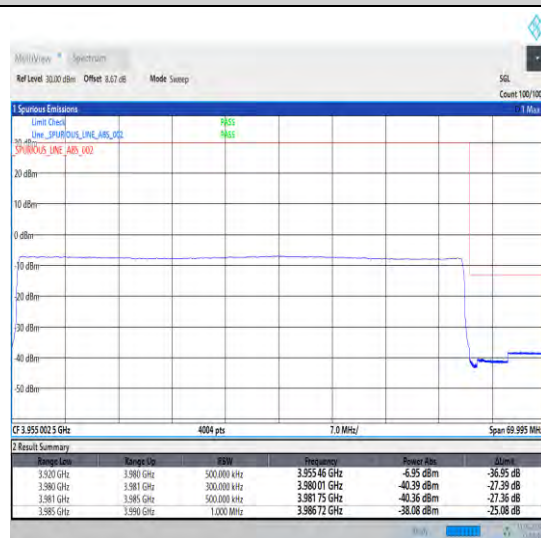
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1-N77-3700-3980-30-60-H-3-DFT-PI2BPSK-Outer
_Full-162@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-60-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@161-Ant1-1--PASS-see graph



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



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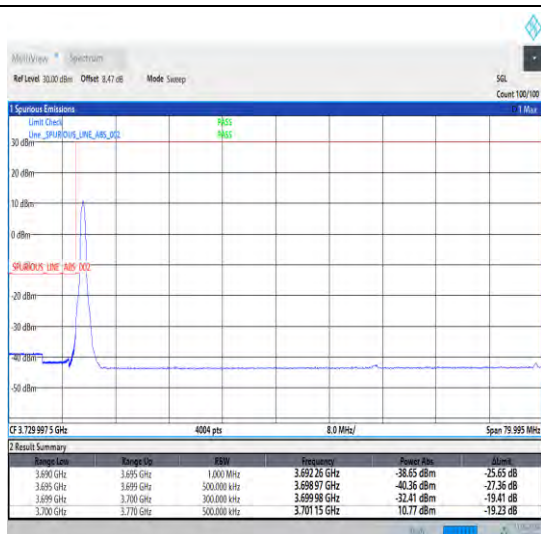
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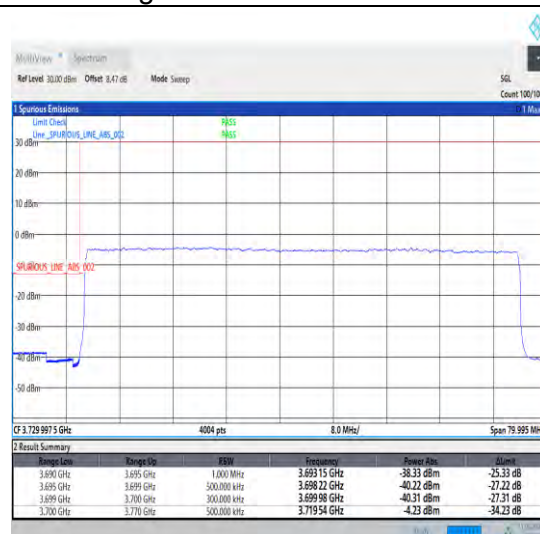
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Rev.: 01

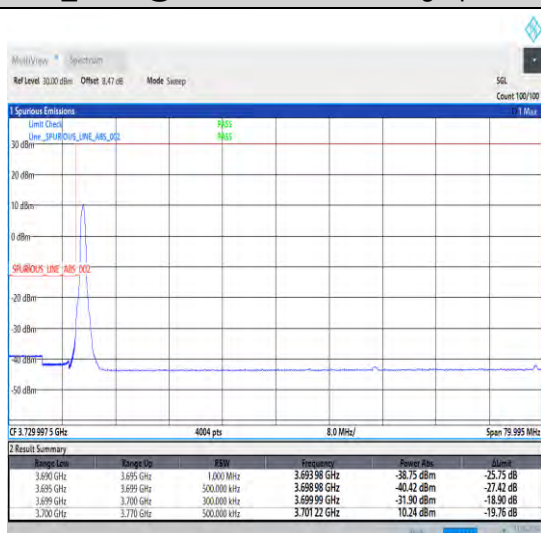
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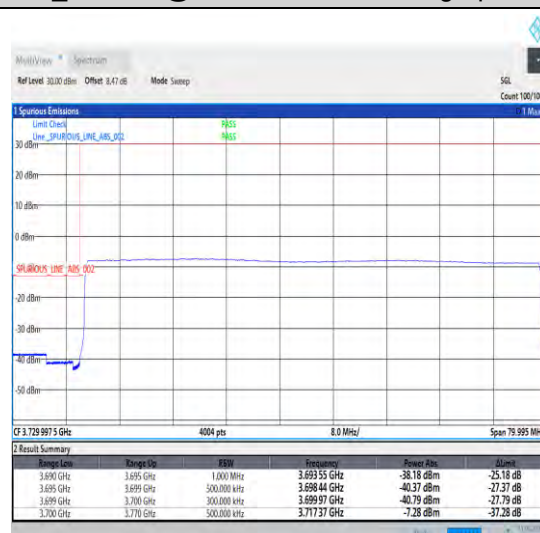
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_Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-70-L-3-DFT-PI2BPSK-Outer
_Full-180@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-70-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-70-L-6-CP-QPSK-Outer_Full
-189@0-Ant1-1--PASS-see graph



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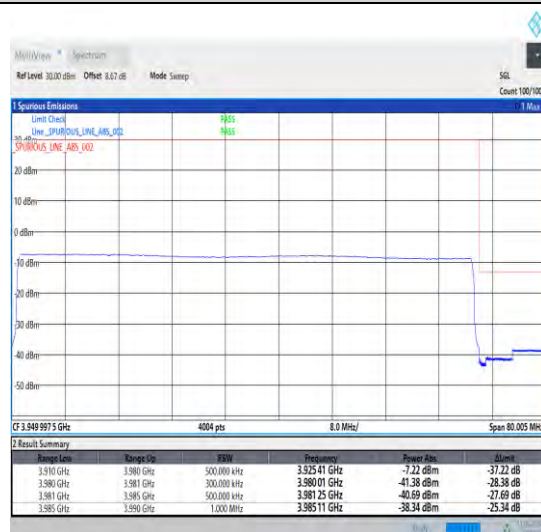
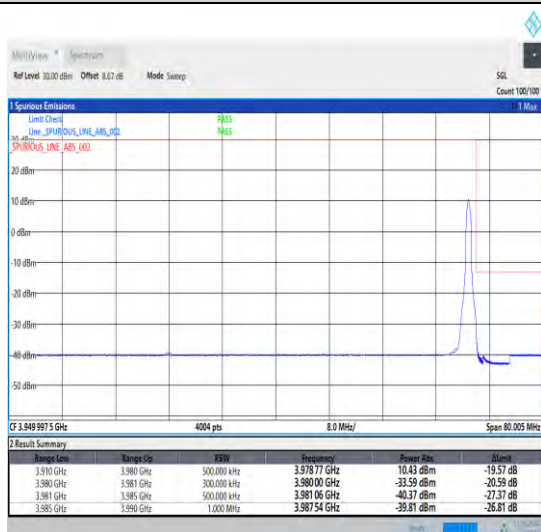
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1-N77-3700-3980-30-70-H-2-DFT-PI2BPSK-Edge_1R
B_Right-1@188-Ant1-1--PASS-see graph

1-N77-3700-3980-30-70-H-3-DFT-PI2BPSK-Outer
_Full-180@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-70-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@188-Ant1-1--PASS-see graph

1-N77-3700-3980-30-70-H-6-CP-QPSK-Outer_Full
-189@0-Ant1-1--PASS-see graph



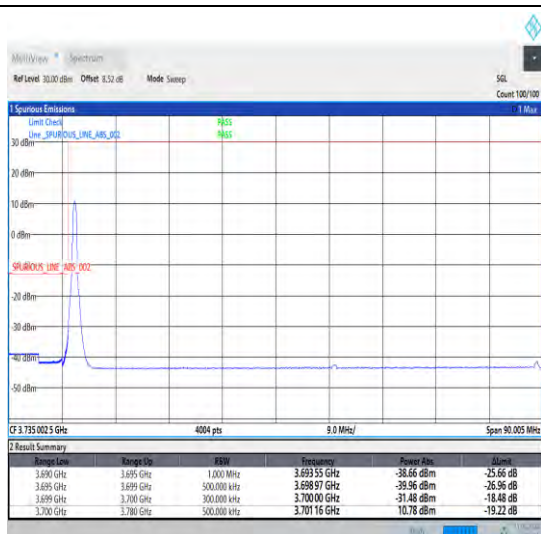
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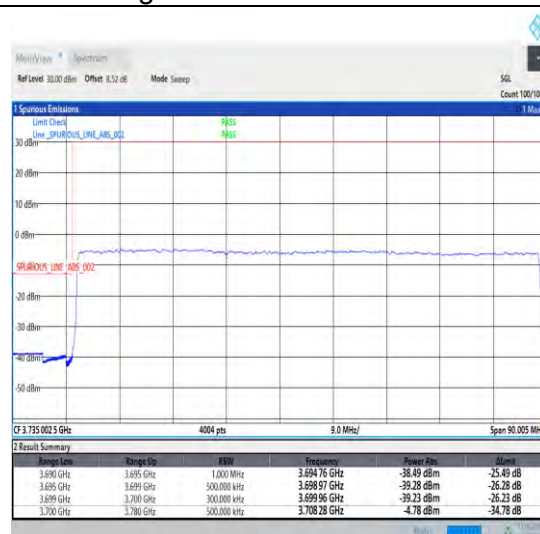
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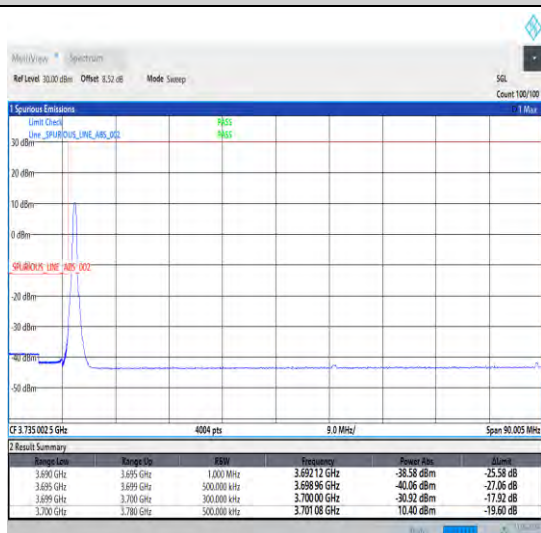
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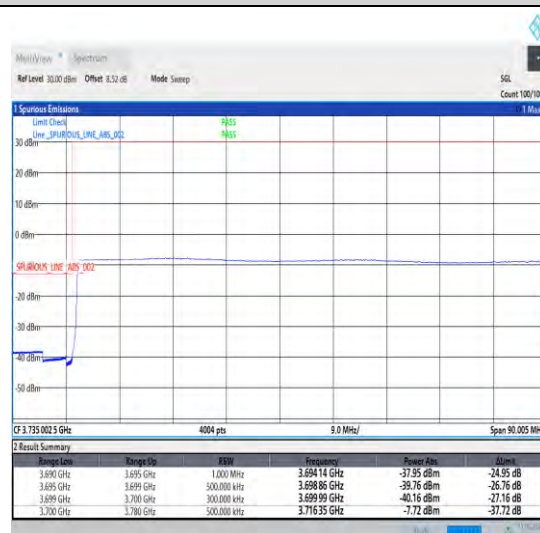
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1-N77-3700-3980-30-80-L-3-DFT-PI2BPSK-Outer
_Full-216@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-80-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant1-1--PASS-see graph



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



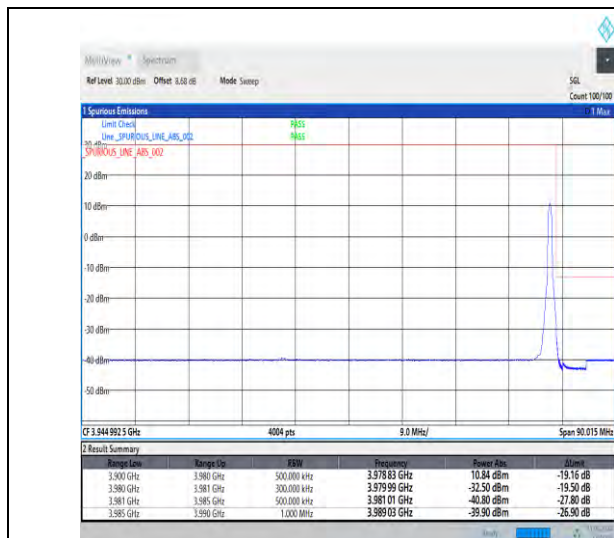
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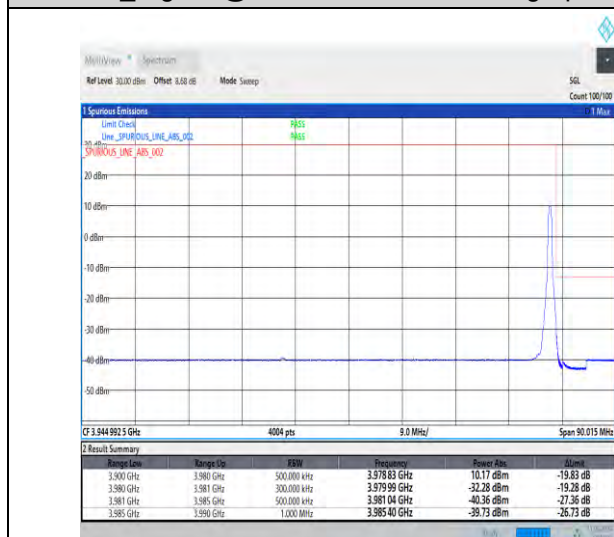
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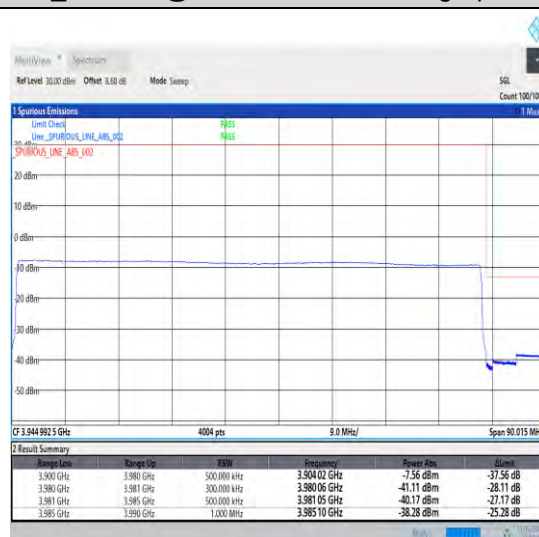
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1-N77-3700-3980-30-80-H-3-DFT-PI2BPSK-Outer
_Full-216@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-80-H-5-CP-QPSK-Edge_1RB_Ri
ght-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



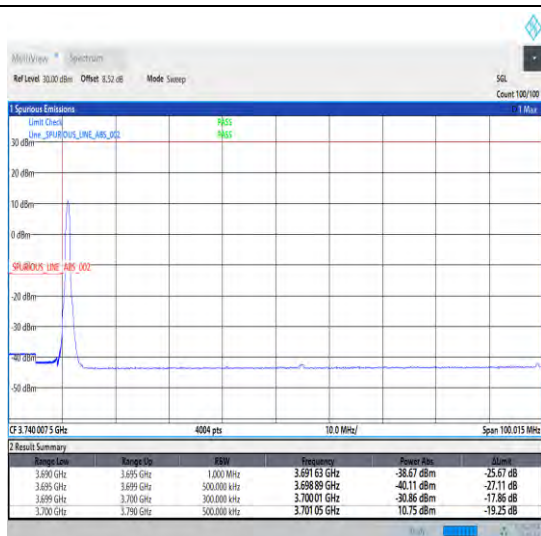
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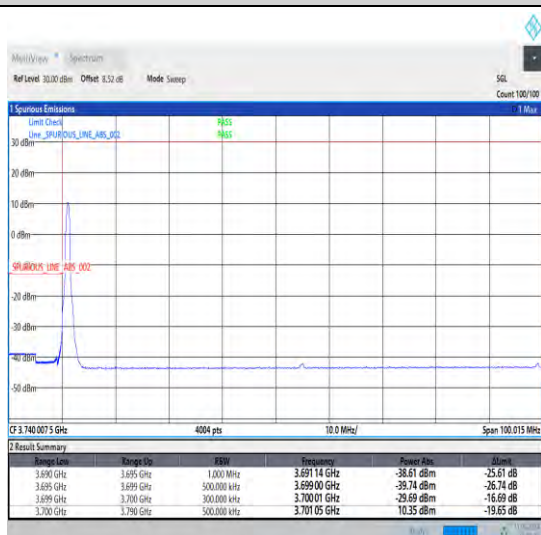
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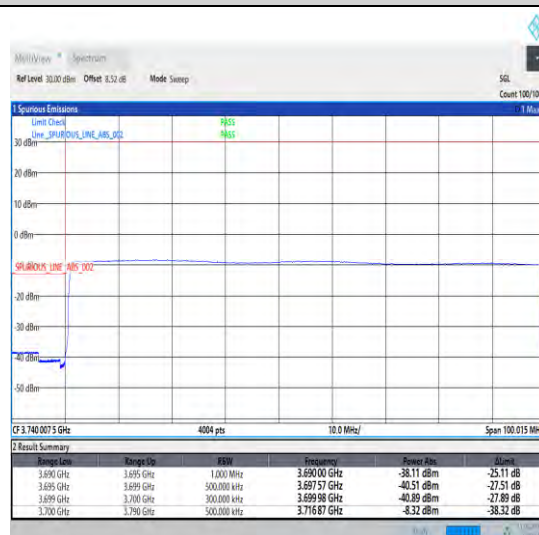
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1-N77-3700-3980-30-90-L-3-DFT-PI2BPSK-Outer
_Full-240@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-90-L-4-CP-QPSK-Edge_1RB_Lef
t-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



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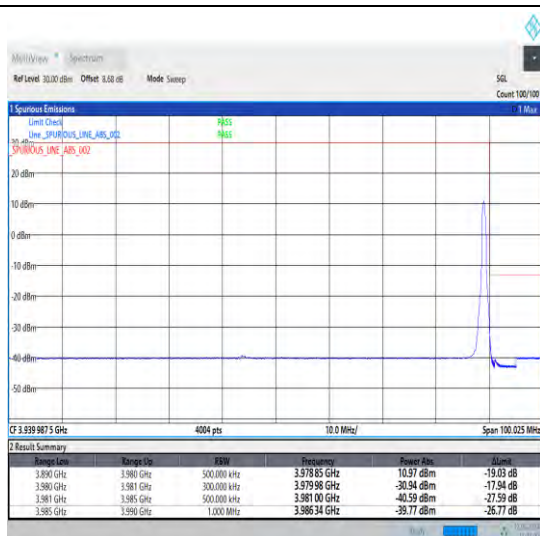
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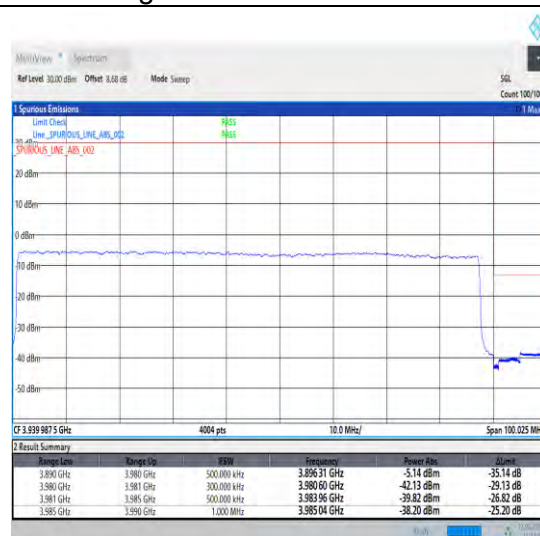
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Rev.: 01

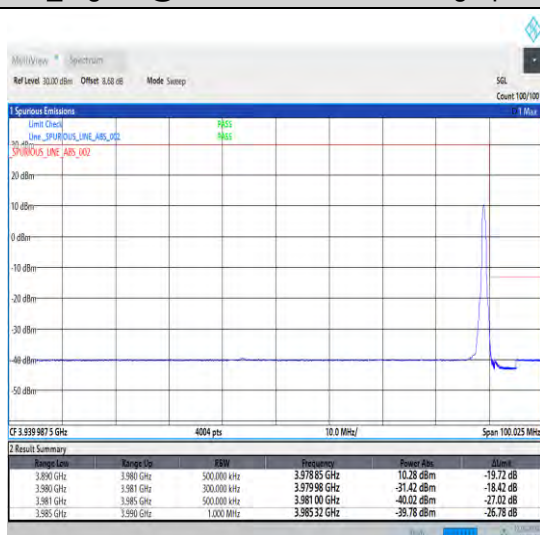
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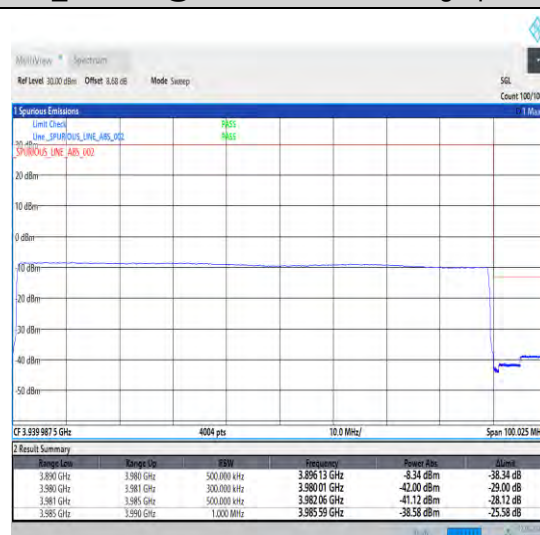
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1-N77-3700-3980-30-90-H-3-DFT-PI2BPSK-Outer
_Full-240@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-90-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@244-Ant1-1--PASS-see graph



1-N77-3700-3980-30-90-H-6-CP-QPSK-Outer_Full
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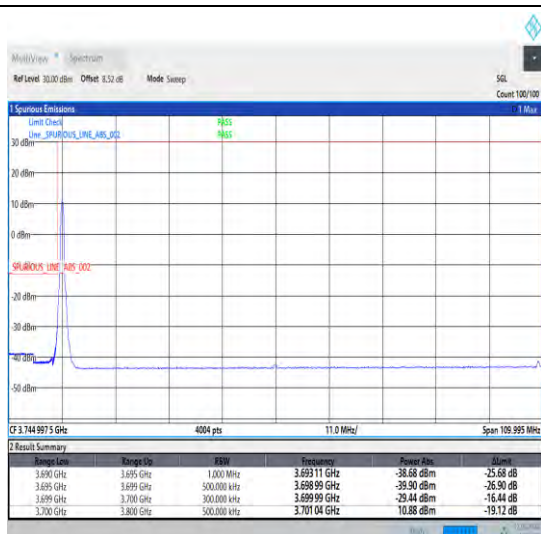
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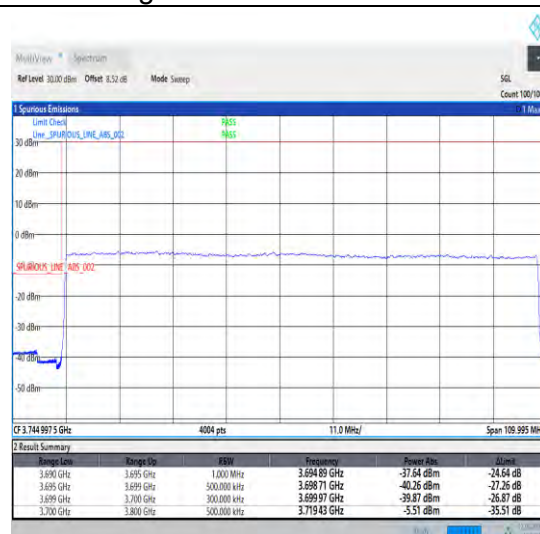
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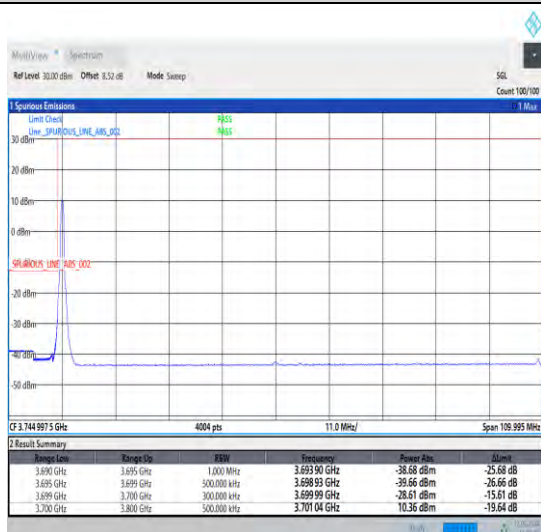
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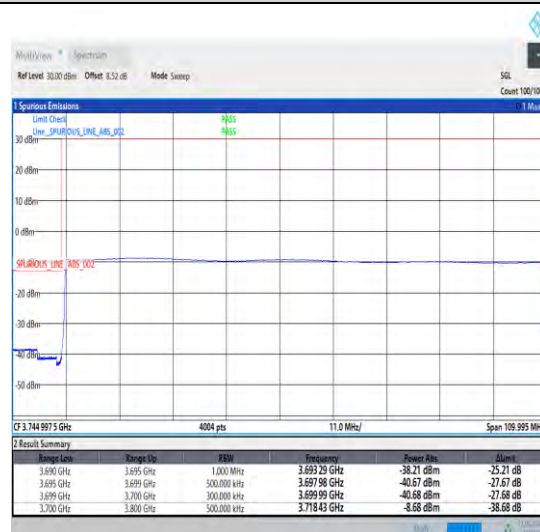
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1-N77-3700-3980-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



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-Outer_Full-273@0-Ant1-1--PASS-see graph



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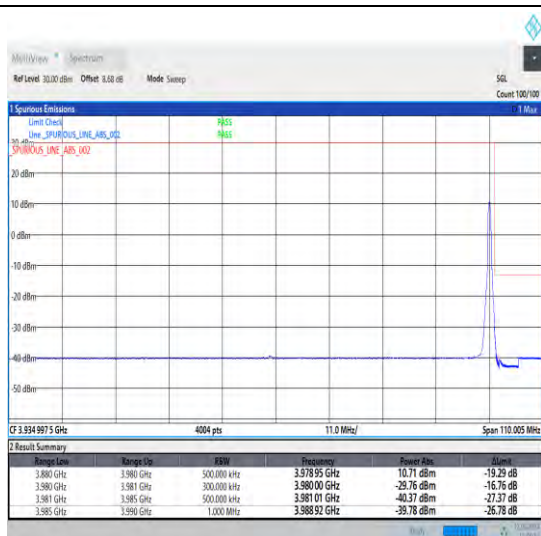
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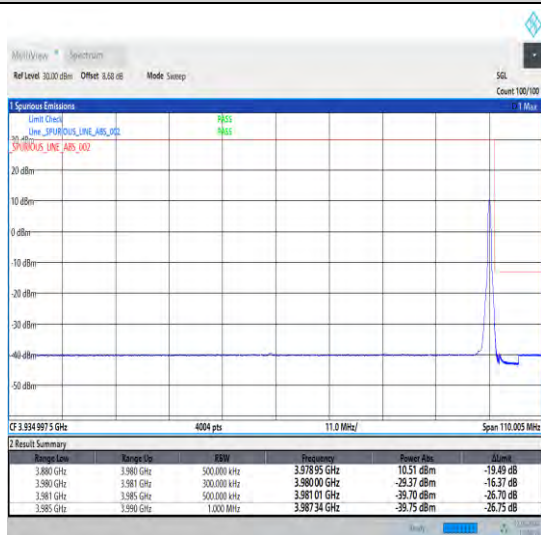
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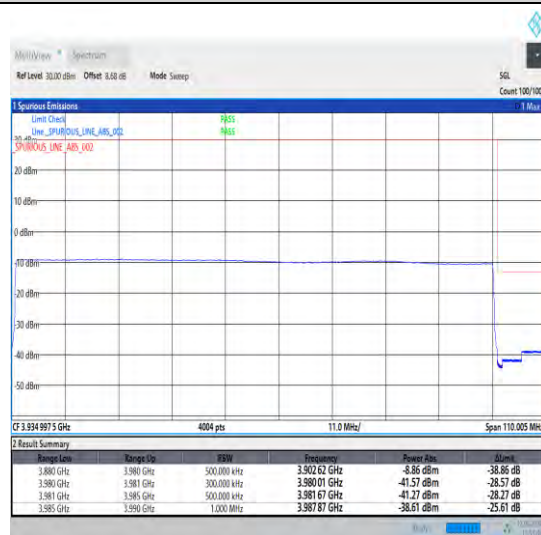
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1-N77-3700-3980-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph



1-N77-3700-3980-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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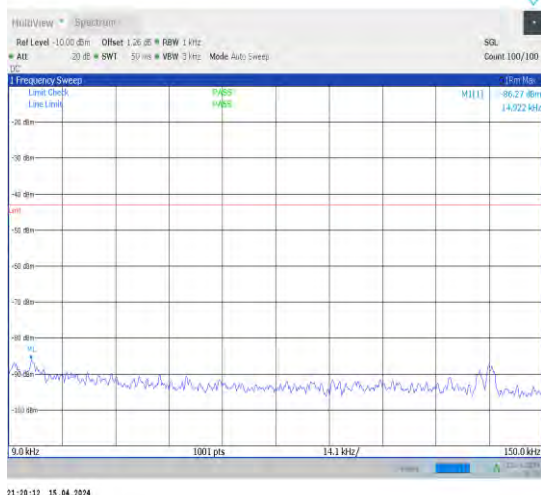
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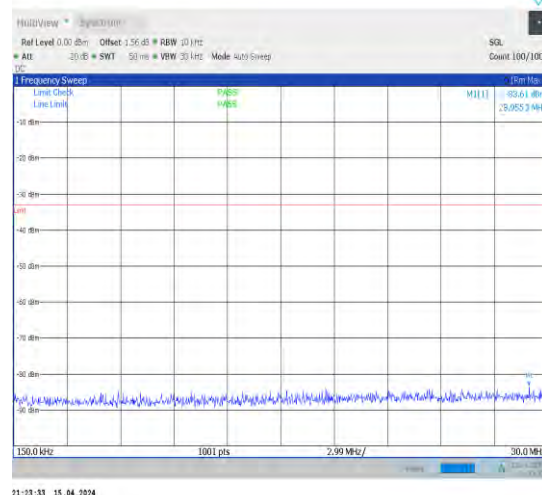
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Conducted Spurious Emission for SA

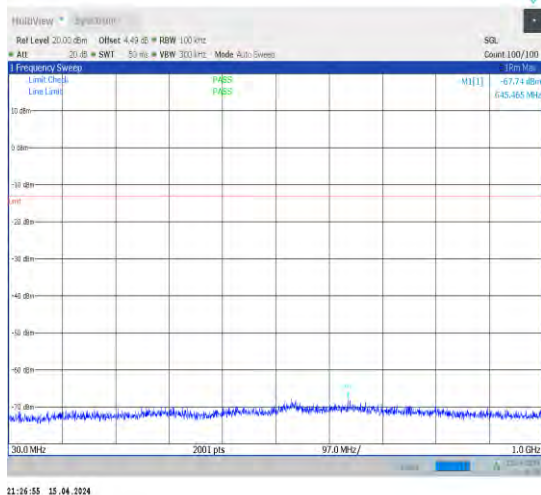
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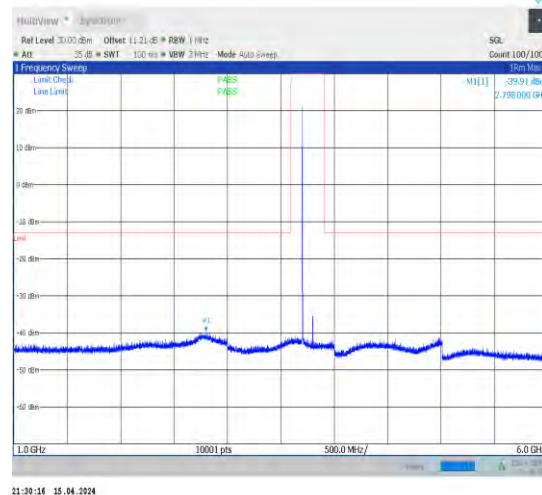
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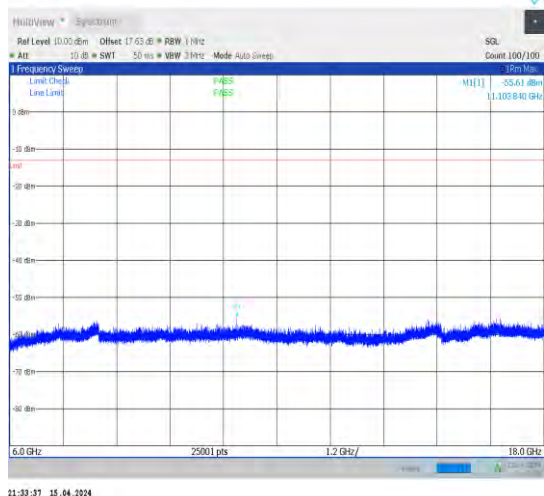
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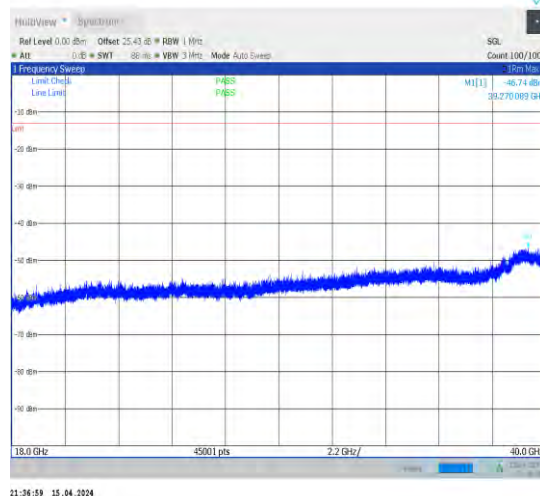
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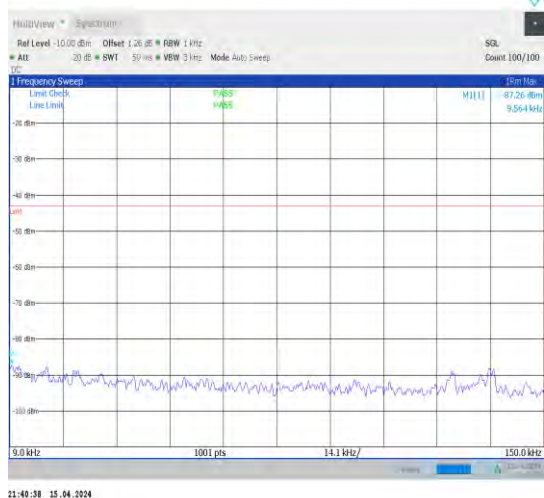
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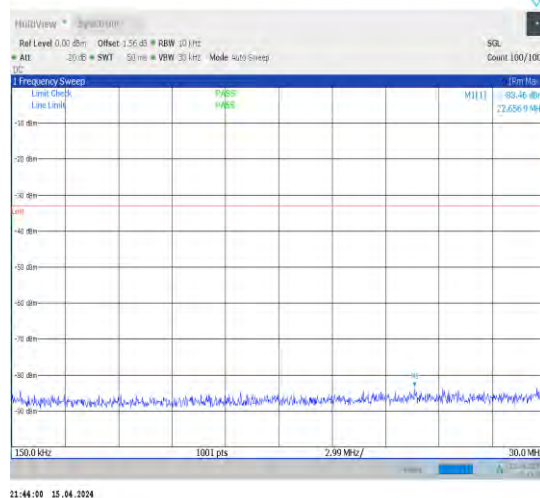
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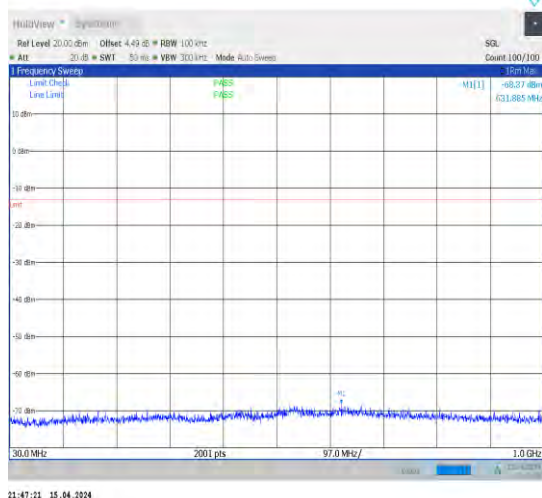
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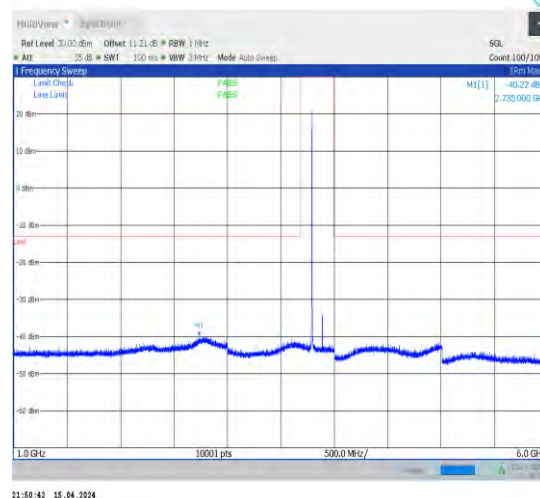
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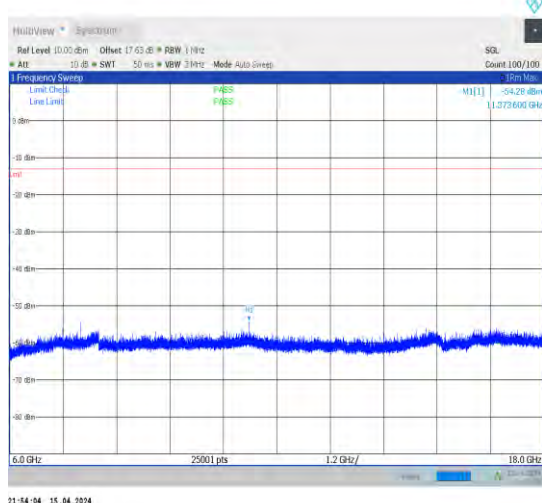
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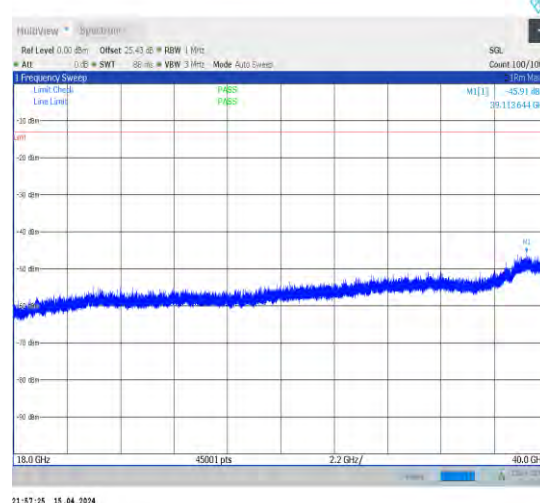
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SS



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1-N77-3700-3980-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant1-18956.76--45.91--13-PASS



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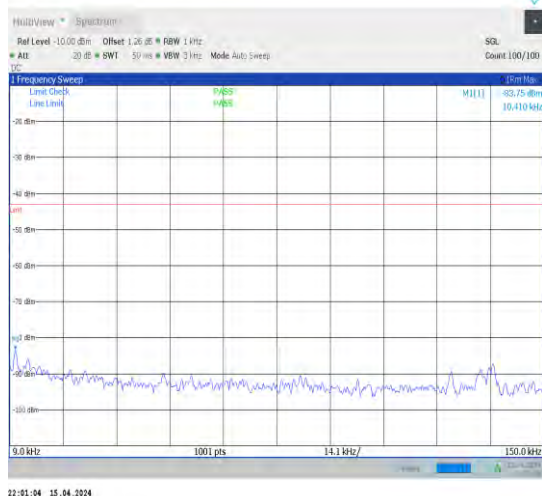
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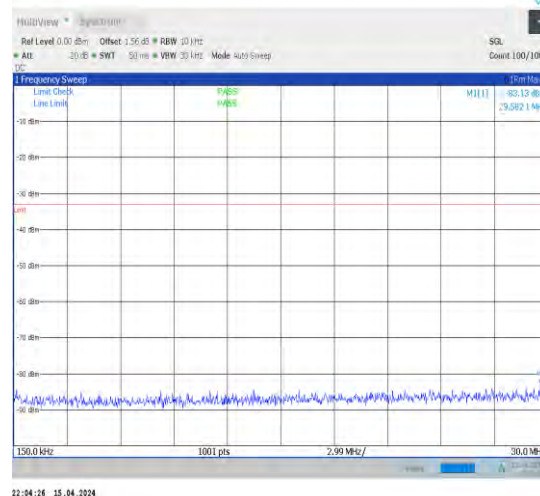
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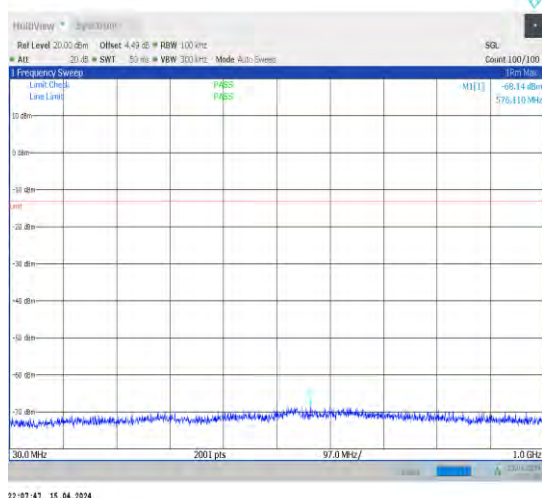
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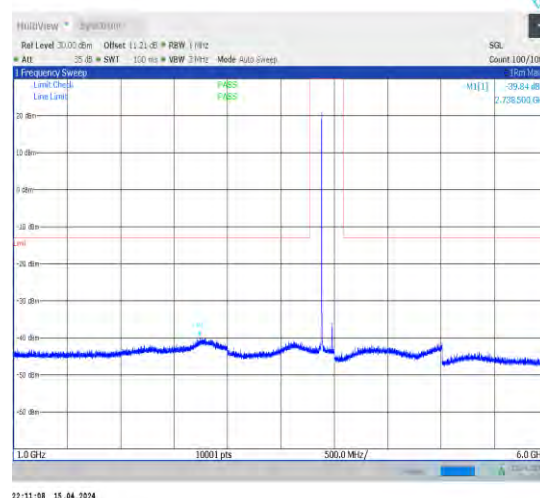
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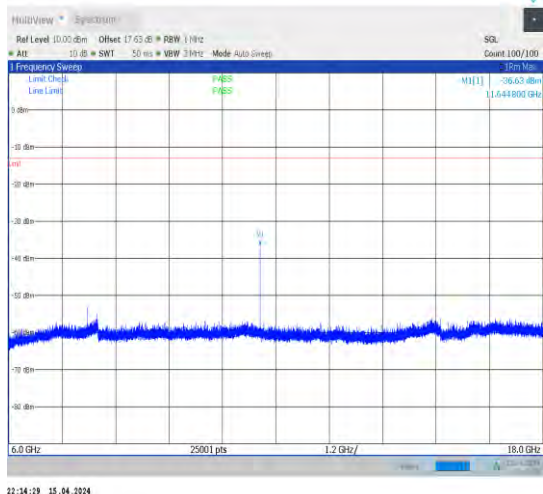
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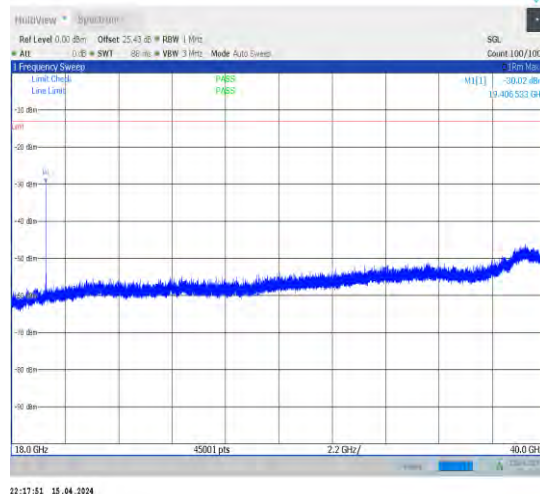
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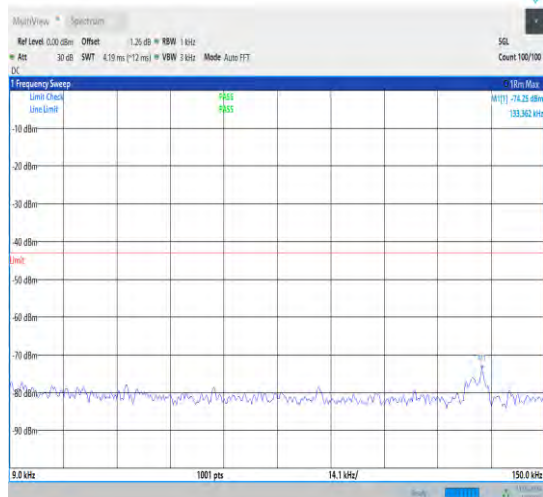
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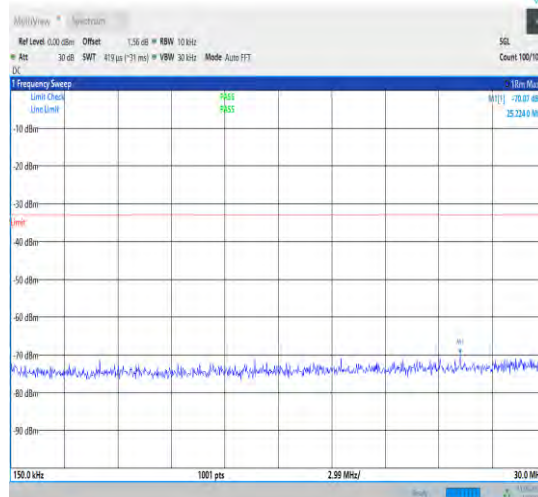
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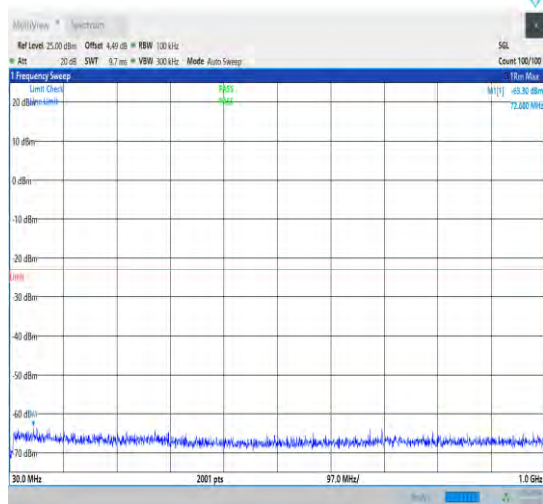
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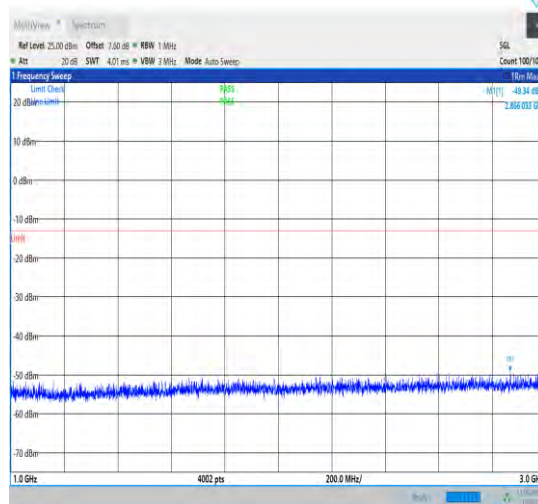
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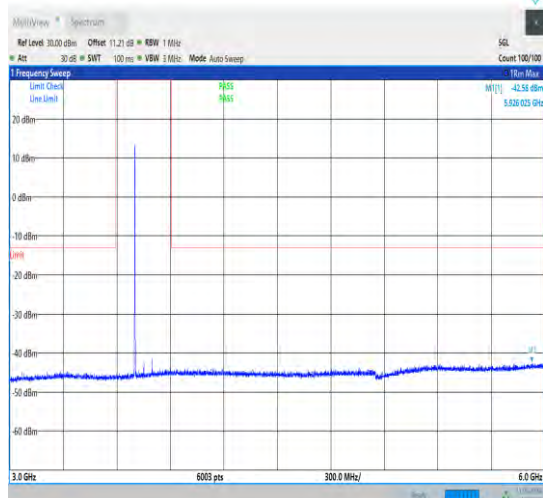
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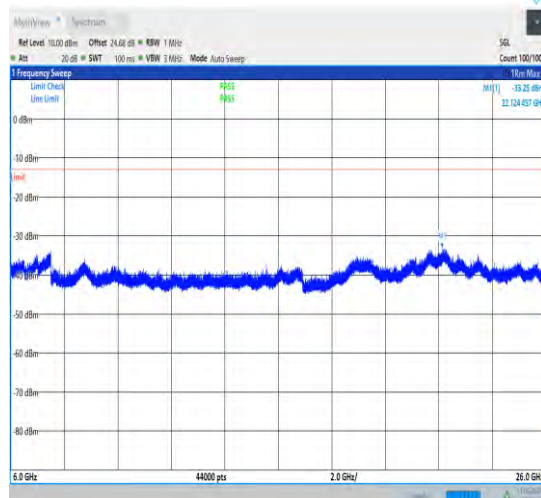
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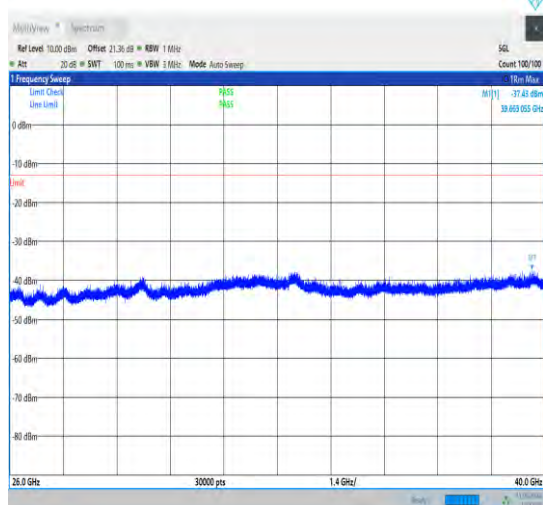
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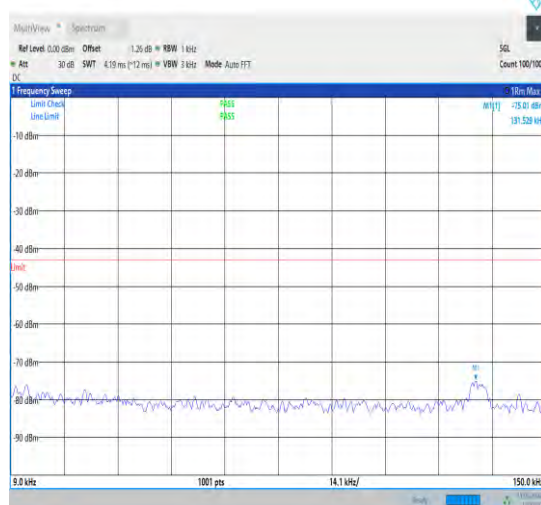
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SS



1-N77-3700-3980-30-100-L-1-DFT-QPSK-Edge_1RB
_Left-1@0-6000-26000-Ant1-22124.46--33.25--13-P
ASS



1-N77-3700-3980-30-100-L-1-DFT-QPSK-Edge_1R
B_Left-1@0-26000-40000-Ant1-39663.06--37.43--13
-PASS



1-N77-3700-3980-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-0.009-0.15-Ant1-0.13--75.01--43-PASS



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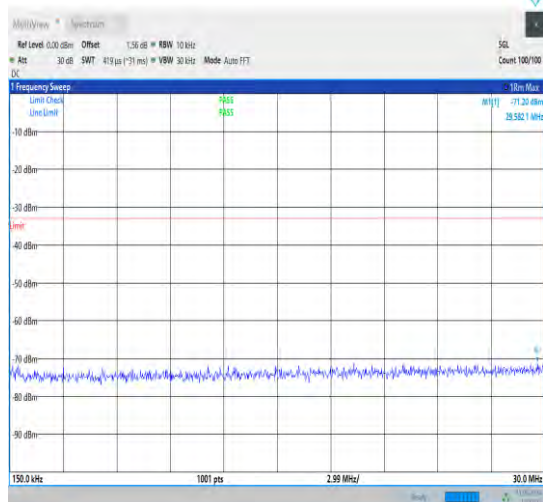
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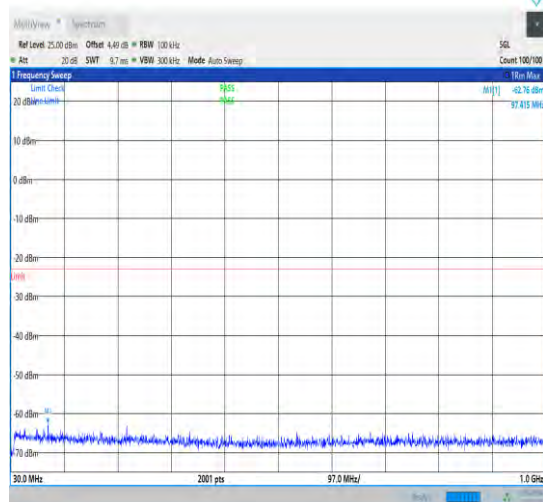
Report No.: SUCR240100001702

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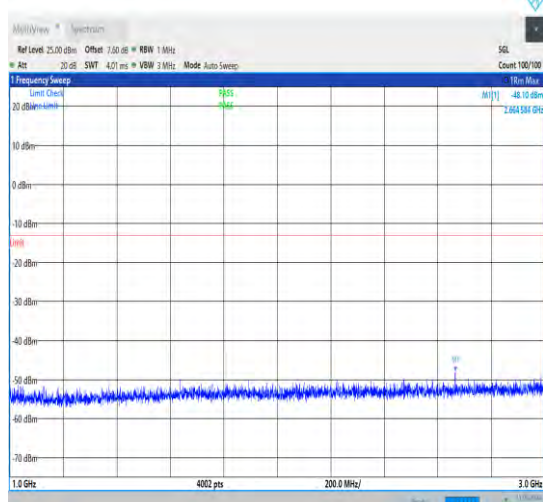
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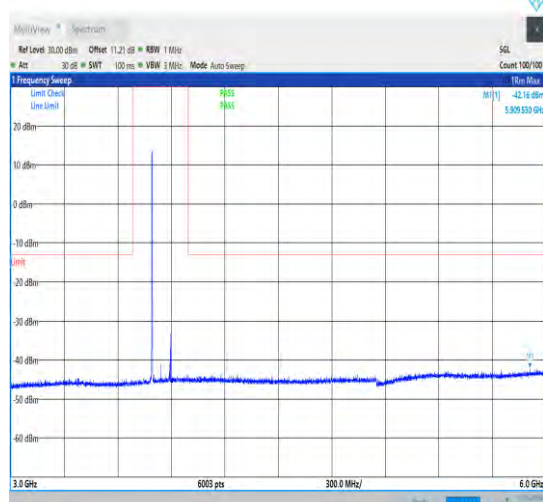
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1-N77-3700-3980-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-30-1000-Ant1-97.42--62.76--23-PASS



1-N77-3700-3980-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-1000-3000-Ant1-2664.58--48.10--13-PA
SS



1-N77-3700-3980-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-3000-6000-Ant1-5909.53--42.16--13-PA
SS



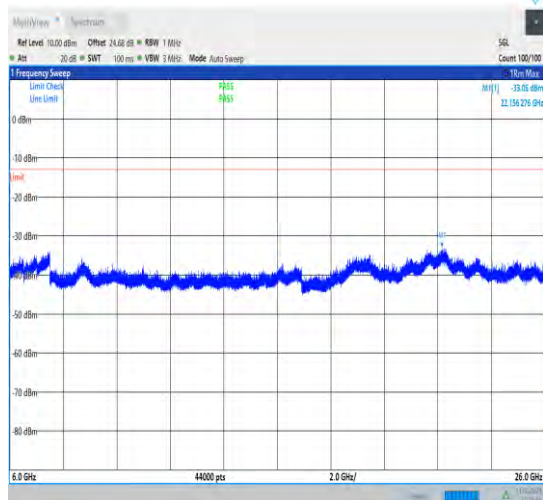
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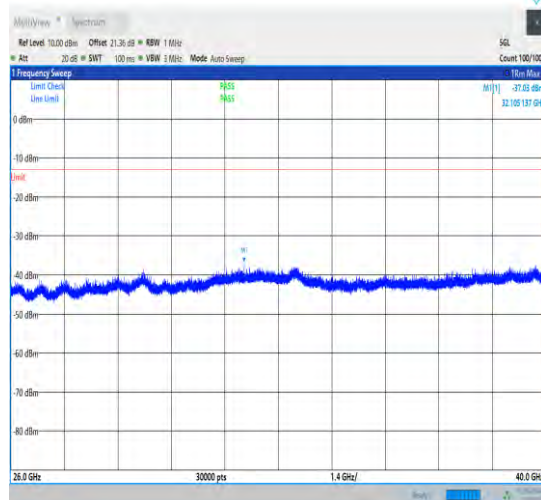
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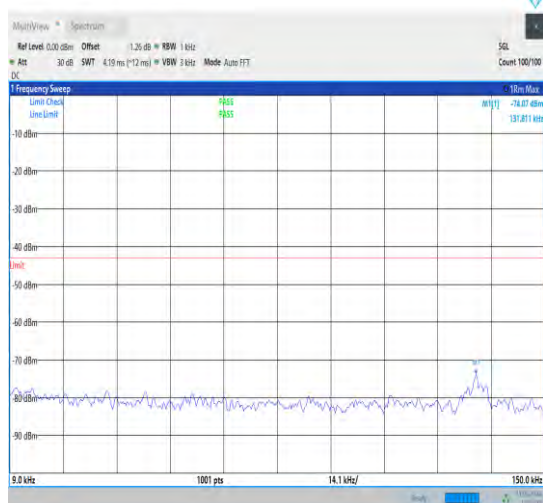
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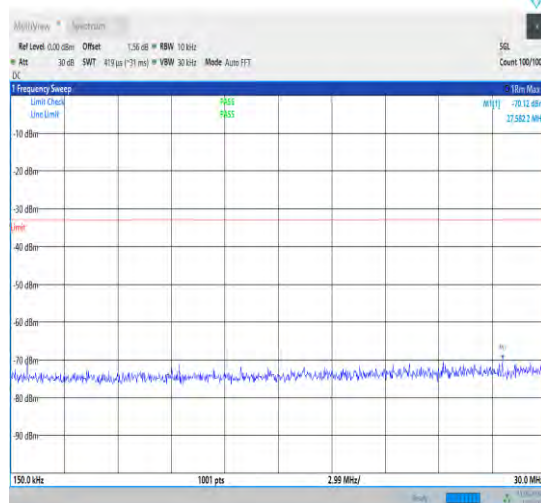
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PASS



1-N77-3700-3980-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-26000-40000-Ant1-32105.14--37.03--13-
-PASS



1-N77-3700-3980-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-0.009-0.15-Ant1-0.13--74.07--43-PASS



1-N77-3700-3980-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-0.15-30-Ant1-27.58--70.12--33-PASS



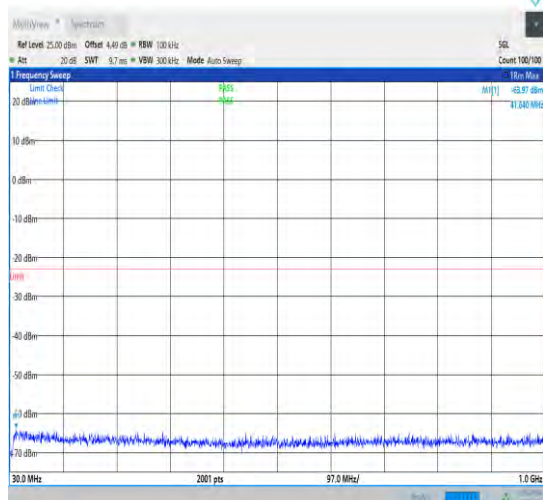
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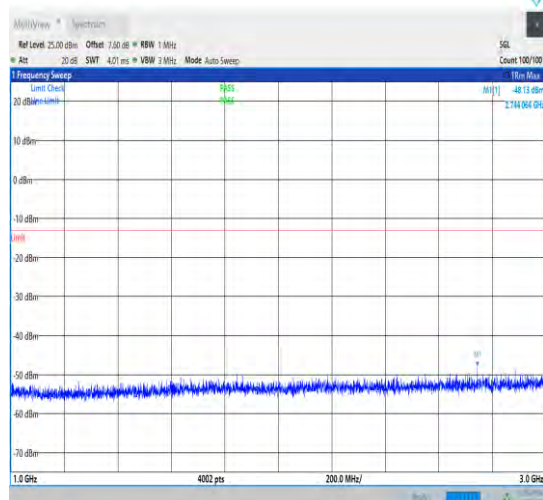
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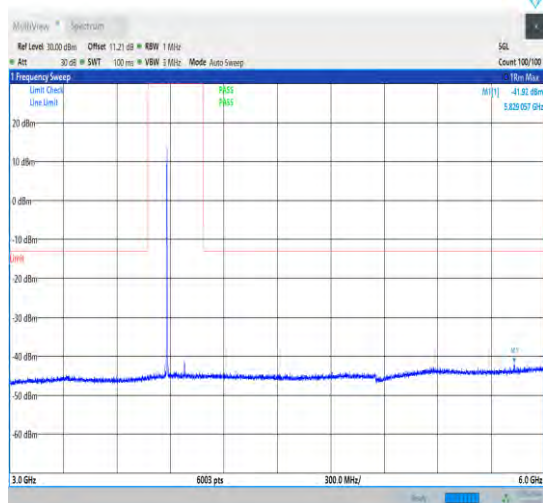
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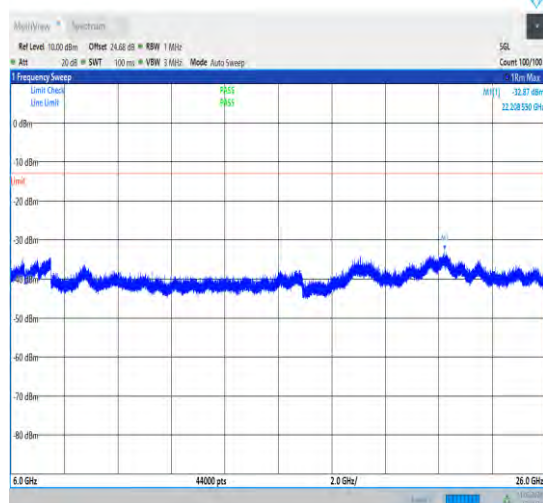
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B_Left-1@0-30-1000-Ant1-41.64--63.97--23-PASS



1-N77-3700-3980-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-1000-3000-Ant1-2744.06--48.13--13-PA
SS



1-N77-3700-3980-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-3000-6000-Ant1-5829.06--41.92--13-PA
SS



1-N77-3700-3980-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-6000-26000-Ant1-22208.55--32.87--13-
PASS



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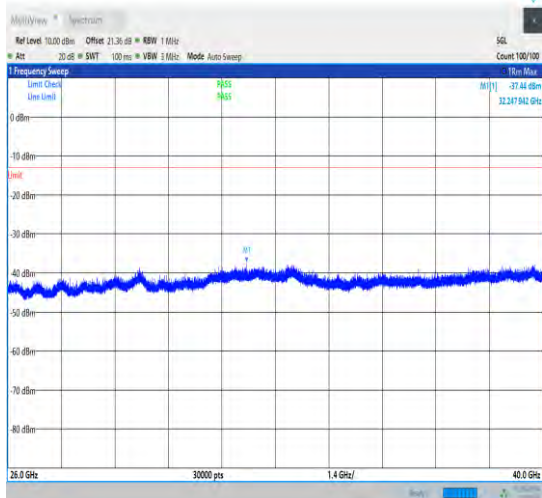
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1-N77-3700-3980-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-26000-40000-Ant1-32247.94--37.44--13
-PASS



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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	1841.0341	28.31	-17.82	25.56	-59.21	-13.00	46.21	Horizontal
2	5278.3278	28.68	-12.84	31.77	-47.65	-13.00	34.65	Horizontal
3	7899.045	43.64	-37.76	36.51	-52.87	-13.00	39.87	Horizontal
4	11345.7673	44.19	-35.63	40.19	-46.51	-13.00	33.51	Horizontal
5	14018.5009	42.99	-32.65	41.31	-43.61	-13.00	30.61	Horizontal
6	16491.1246	41.94	-29.20	39.26	-43.26	-13.00	30.26	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2008.8009	28.69	-17.70	26.46	-57.81	-13.00	44.81	Vertical
2	5650.7151	29.04	-12.56	32.50	-46.28	-13.00	33.28	Vertical
3	7402.2201	58.28	-38.51	36.70	-38.79	-13.00	25.79	Vertical
4	9066.3533	42.69	-35.94	36.66	-51.85	-13.00	38.85	Vertical
5	11346.9173	44.24	-35.63	40.19	-46.46	-13.00	33.46	Vertical
6	14803.9902	43.39	-31.28	41.58	-41.57	-13.00	28.57	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	2316.2816	28.70	-17.49	27.26	-56.79	-13.00	43.79	Horizontal
2	5302.5303	28.64	-12.74	31.92	-47.44	-13.00	34.44	Horizontal
3	7582.2041	51.87	-38.47	36.66	-45.20	-13.00	32.20	Horizontal
4	10011.7006	42.75	-35.24	38.71	-49.04	-13.00	36.04	Horizontal
5	15163.9582	44.94	-30.16	39.92	-40.56	-13.00	27.56	Horizontal
6	17961.4731	41.63	-39.74	47.51	-45.86	-13.00	32.86	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2323.4323	28.74	-17.48	27.33	-56.67	-13.00	43.67	Vertical
2	5152.9153	28.51	-13.06	31.81	-48.00	-13.00	35.00	Vertical
3	7582.2041	49.90	-38.47	36.66	-47.17	-13.00	34.17	Vertical
4	11373.3687	46.84	-35.43	40.25	-43.60	-13.00	30.60	Vertical
5	15163.9582	52.53	-30.16	39.92	-32.97	-13.00	19.97	Vertical
6	17969.5235	41.44	-39.75	47.65	-45.92	-13.00	32.92	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	1594.6095	28.53	-18.20	25.00	-59.93	-13.00	46.93	Horizontal
2	5806.9307	29.36	-12.28	32.43	-45.75	-13.00	32.75	Horizontal
3	7762.1881	50.86	-37.99	36.45	-45.94	-13.00	32.94	Horizontal
4	11270.4385	44.47	-35.60	40.13	-46.26	-13.00	33.26	Horizontal
5	14793.6397	41.21	-31.07	41.62	-43.50	-13.00	30.50	Horizontal
6	17979.874	41.21	-39.75	47.84	-45.96	-13.00	32.96	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2361.9362	28.83	-17.37	27.55	-56.25	-13.00	43.25	Vertical
2	5502.7503	28.19	-12.52	32.39	-47.20	-13.00	34.20	Vertical
3	7762.1881	55.80	-37.99	36.45	-41.00	-13.00	28.00	Vertical
4	10514.2757	43.51	-35.45	38.96	-48.24	-13.00	35.24	Vertical
5	13601.6051	43.25	-33.48	40.10	-45.39	-13.00	32.39	Vertical
6	15523.9262	47.74	-29.14	38.80	-37.86	-13.00	24.86	Vertical



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Test Band =SA_n77 MIMO 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	1672.7173	28.27	-17.88	25.32	-59.55	-13.00	46.55	Horizontal
2	5462.5963	28.36	-12.59	32.25	-47.24	-13.00	34.24	Horizontal
3	7402.2201	54.95	-38.51	36.70	-42.12	-13.00	29.12	Horizontal
4	11103.1052	50.39	-35.55	40.20	-40.22	-13.00	27.22	Horizontal
5	14803.9902	46.73	-31.28	41.58	-38.23	-13.00	25.23	Horizontal
6	18000	40.94	-39.77	48.20	-45.89	-13.00	32.89	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1445.5446	28.47	-18.44	25.26	-59.97	-13.00	46.97	Vertical
2	5018.1518	28.15	-13.51	31.35	-49.27	-13.00	36.27	Vertical
3	7402.2201	61.53	-38.51	36.70	-35.54	-13.00	22.54	Vertical
4	11103.1052	49.66	-35.55	40.20	-40.95	-13.00	27.95	Vertical
5	14803.9902	45.39	-31.28	41.58	-39.57	-13.00	26.57	Vertical
6	17994.8247	40.75	-39.77	48.11	-46.17	-13.00	33.17	Vertical



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Test Band =SA_n77 MIMO 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	7582.2041	57.64	-38.47	36.66	-39.43	-13.00	26.43	Horizontal
2	10005.9503	42.29	-35.28	38.71	-49.54	-13.00	36.54	Horizontal
3	11904.1202	43.99	-35.43	39.89	-46.81	-13.00	33.81	Horizontal
4	14025.9763	43.20	-32.53	41.36	-43.23	-13.00	30.23	Horizontal
5	15163.9582	42.62	-30.16	39.92	-42.88	-13.00	29.88	Horizontal
6	17960.898	41.51	-39.74	47.50	-45.99	-13.00	32.99	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5833.3333	29.12	-12.30	32.53	-45.91	-13.00	32.91	Vertical
2	7582.2041	61.29	-38.47	36.66	-35.78	-13.00	22.78	Vertical
3	9645.4073	41.49	-35.45	38.07	-51.15	-13.00	38.15	Vertical
4	11372.7936	50.73	-35.43	40.25	-39.71	-13.00	26.71	Vertical
5	15163.9582	45.39	-30.16	39.92	-40.11	-13.00	27.11	Vertical
6	17964.9232	41.39	-39.74	47.57	-46.04	-13.00	33.04	Vertical



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Test Band =SA_n77 MIMO 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	1647.9648	28.54	-17.92	25.48	-59.16	-13.00	46.16	Horizontal
2	5179.3179	28.53	-12.98	31.86	-47.85	-13.00	34.85	Horizontal
3	7762.1881	57.47	-37.99	36.45	-39.33	-13.00	26.33	Horizontal
4	11643.0572	51.24	-35.67	40.13	-39.56	-13.00	26.56	Horizontal
5	14767.1884	40.77	-30.49	41.70	-43.28	-13.00	30.28	Horizontal
6	17964.9232	41.52	-39.74	47.57	-45.91	-13.00	32.91	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1655.6656	28.65	-17.90	25.45	-59.06	-13.00	46.06	Vertical
2	5408.1408	28.14	-12.74	32.45	-47.41	-13.00	34.41	Vertical
3	7762.1881	65.04	-37.99	36.45	-31.76	-13.00	18.76	Vertical
4	11643.0572	53.93	-35.67	40.13	-36.87	-13.00	23.87	Vertical
5	14767.1884	40.87	-30.49	41.70	-43.18	-13.00	30.18	Vertical
6	17972.9736	41.16	-39.75	47.71	-46.14	-13.00	33.14	Vertical



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Test Band = NSA_B30+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	4615.5	37.08	-13.17	30.13	-41.22	-13.00	28.22	Horizontal
2	6923.66	46.67	-39.67	35.35	-52.91	-13.00	39.91	Horizontal
3	7402.06	54.83	-38.51	36.70	-42.24	-13.00	29.24	Horizontal
4	9231.48	54.27	-36.12	37.50	-39.61	-13.00	26.61	Horizontal
5	11103.22	48.66	-35.55	40.20	-41.95	-13.00	28.95	Horizontal
6	14803.92	47.28	-31.27	41.58	-37.67	-13.00	24.67	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615.5	42.26	-13.17	30.13	-36.04	-13.00	23.04	Vertical
2	6923.66	52.21	-39.67	35.35	-47.37	-13.00	34.37	Vertical
3	7402.06	58.09	-38.51	36.70	-38.98	-13.00	25.98	Vertical
4	9231.48	56.06	-36.12	37.50	-37.82	-13.00	24.82	Vertical
5	11103.22	46.47	-35.55	40.20	-44.14	-13.00	31.14	Vertical
6	14803.92	44.75	-31.27	41.58	-40.20	-13.00	27.20	Vertical



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Test Band = NSA_B30+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	4615.5	35.06	-13.17	30.13	-43.24	-13.00	30.24	Horizontal
2	5783	29.17	-11.38	32.43	-45.04	-13.00	32.04	Horizontal
3	7581.92	52.11	-38.47	36.66	-44.96	-13.00	31.96	Horizontal
4	9231.48	56.57	-36.12	37.50	-37.31	-13.00	24.31	Horizontal
5	11538.84	46.07	-35.44	40.24	-44.39	-13.00	31.39	Horizontal
6	15164.1	47.59	-30.16	39.92	-37.91	-13.00	24.91	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615.5	41.48	-13.17	30.13	-36.82	-13.00	23.82	Vertical
2	6923.66	49.13	-39.67	35.35	-50.45	-13.00	37.45	Vertical
3	7581.92	61.39	-38.47	36.66	-35.68	-13.00	22.68	Vertical
4	9231.02	53.84	-36.12	37.50	-40.04	-13.00	27.04	Vertical
5	11372.78	47.66	-35.43	40.25	-42.78	-13.00	29.78	Vertical
6	15164.1	46.22	-30.16	39.92	-39.28	-13.00	26.28	Vertical



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Test Band = NSA_B30+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	1573	48.96	-17.39	24.61	-39.08	-13.00	26.08	Horizontal
2	4615.5	37.21	-13.17	30.13	-41.09	-13.00	28.09	Horizontal
3	7762.24	47.48	-37.99	36.45	-49.32	-13.00	36.32	Horizontal
4	9231.48	53.96	-36.12	37.50	-39.92	-13.00	26.92	Horizontal
5	11539.3	46.12	-35.44	40.24	-44.34	-13.00	31.34	Horizontal
6	14768.96	41.44	-30.53	41.69	-42.66	-13.00	29.66	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615.5	41.94	-13.17	30.13	-36.36	-13.00	23.36	Vertical
2	6923.66	53.96	-39.67	35.35	-45.62	-13.00	32.62	Vertical
3	7762.24	66.46	-37.99	36.45	-30.34	-13.00	17.34	Vertical
4	9231.48	53.23	-36.12	37.50	-40.65	-13.00	27.65	Vertical
5	11539.3	47.58	-35.44	40.24	-42.88	-13.00	29.88	Vertical
6	14026.98	43.34	-32.51	41.36	-43.07	-13.00	30.07	Vertical



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Test Band = NR_CA 30A_n77A_TM1

Test Channel = Low 3700-3980

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7587.325	41.13	-42.79	36.52	-60.40	-40.00	20.40	Horizontal
2	8381.4	40.87	-41.46	36.87	-58.98	-40.00	18.98	Horizontal
3	9464.125	39.52	-39.95	37.43	-58.26	-40.00	18.26	Horizontal
4	11430.05	36.13	-37.21	38.82	-57.52	-40.00	17.52	Horizontal
5	12850.875	35.51	-36.75	39.36	-57.14	-40.00	17.14	Horizontal
6	14992.175	33.13	-34.48	41.59	-55.01	-40.00	15.01	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7377.45	41.93	-42.91	36.06	-60.18	-40.00	20.18	Vertical
2	8396.35	40.96	-41.39	36.86	-58.83	-40.00	18.83	Vertical
3	9461.25	39.81	-39.94	37.42	-57.97	-40.00	17.97	Vertical
4	10490.5	37.26	-38.76	38.55	-58.21	-40.00	18.21	Vertical
5	11499.05	35.98	-36.52	38.85	-56.95	-40.00	16.95	Vertical
6	13761.1	35.17	-36.15	40.47	-55.77	-40.00	15.77	Vertical



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Test Band = NR_CA 30A_n77A_TM1
Test Channel = Mid 3700-3980

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7743.15	41.83	-42.79	36.74	-59.48	-40.00	19.48	Horizontal
2	8858.65	40.79	-41.01	36.58	-58.89	-40.00	18.89	Horizontal
3	9810.85	37.75	-39.08	38.12	-58.46	-40.00	18.46	Horizontal
4	11265.025	35.71	-37.01	38.73	-57.83	-40.00	17.83	Horizontal
5	12816.375	35.86	-36.66	39.34	-56.72	-40.00	16.72	Horizontal
6	14520.675	33.38	-34.46	41.22	-55.13	-40.00	15.13	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7340.075	42.37	-43.11	35.95	-60.05	-40.00	20.05	Vertical
2	8599.9	40.85	-40.89	36.74	-58.56	-40.00	18.56	Vertical
3	9854.55	38.63	-39.14	38.21	-57.56	-40.00	17.56	Vertical
4	10674.5	36.41	-37.62	38.57	-57.91	-40.00	17.91	Vertical
5	12381.675	36.28	-36.93	39.21	-56.69	-40.00	16.69	Vertical
6	14480.425	33.16	-34.40	41.18	-55.31	-40.00	15.31	Vertical



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Test Band = NR_CA 30A_n77A_TM1

Test Channel = High 3700-3980

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7374	42.02	-42.93	36.05	-60.12	-40.00	20.12	Horizontal
2	8358.975	40.83	-41.58	36.88	-59.12	-40.00	19.12	Horizontal
3	9416.975	39.98	-39.93	37.33	-57.87	-40.00	17.87	Horizontal
4	10914.85	35.86	-37.78	38.59	-58.59	-40.00	18.59	Horizontal
5	12080.95	36.18	-37.19	39.12	-57.14	-40.00	17.14	Horizontal
6	14357.375	34.32	-35.41	41.09	-55.27	-40.00	15.27	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7559.15	41.56	-42.92	36.48	-60.13	-40.00	20.13	Vertical
2	8893.15	40.52	-40.93	36.56	-59.10	-40.00	19.10	Vertical
3	10054.075	38.08	-39.01	38.51	-57.69	-40.00	17.69	Vertical
4	10663.575	36.78	-37.68	38.57	-57.59	-40.00	17.59	Vertical
5	12376.5	35.62	-36.91	39.21	-57.33	-40.00	17.33	Vertical
6	14360.825	34.46	-35.39	41.09	-55.10	-40.00	15.10	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

2) All antennas of RSE are tested, and only the worst data is presented.



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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
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	8.200000	0.002135	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	6.200000	0.001615	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	12.200000	0.003177	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	12.800000	0.003333	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	1.000000	0.000260	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	5.900000	0.001536	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	7.900000	0.002057	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	10.800000	0.002813	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	7.500000	0.001953	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	3.100000	0.000807	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	10.200000	0.002656	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	14.400000	0.003750	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	8.800000	0.002292	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	0.600000	0.000156	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	4.200000	0.001094	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	4.700000	0.001224	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	8.300000	0.002161	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-4.700000	-0.001224	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	3.500000	0.000911	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	3.300000	0.000859	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	0.800000	0.000208	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	0.300000	0.000078	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	2.700000	0.000703	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	0.300000	0.000078	PASS

---End of Attachment---



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