

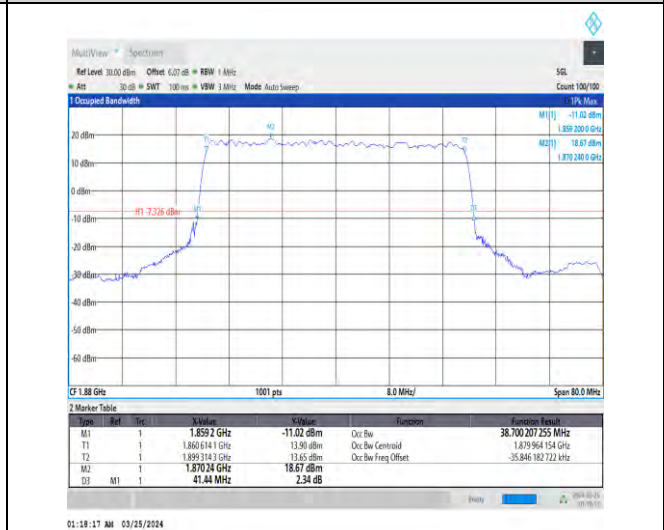
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-28.536-30.000-≤30-PASS



1-N2-15-30-M-9-CP-256QAM-Outer_Full-160@0-Ant1
1-28.57-30.060-≤30-PASS



1-N2-15-40-M-1-DFT-QPSK-Outer_Full-216@0-Ant1
-39.001-41.360-≤40-PASS



1-N2-15-40-M-2-DFT-PI2BPSK-Outer_Full-216@0-Ant1
-38.7-41.440-≤40-PASS



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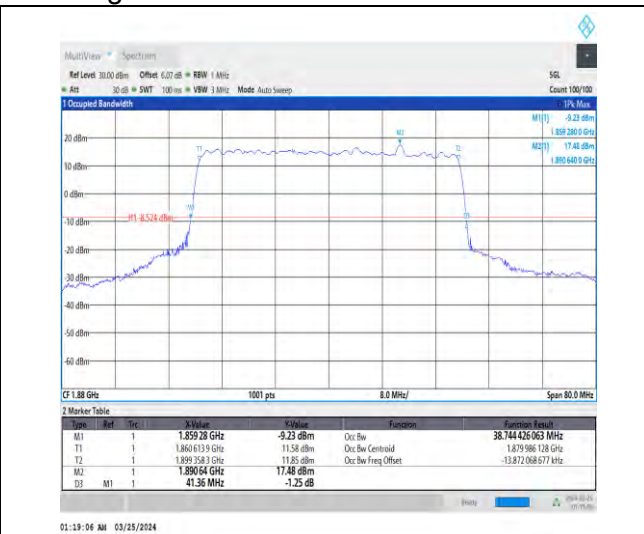
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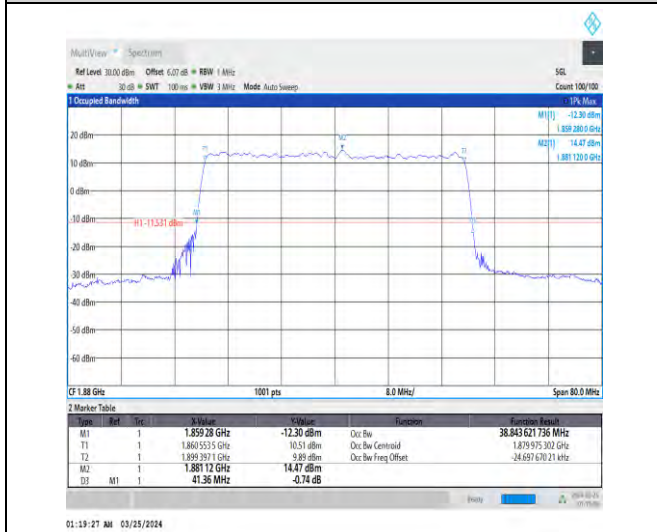
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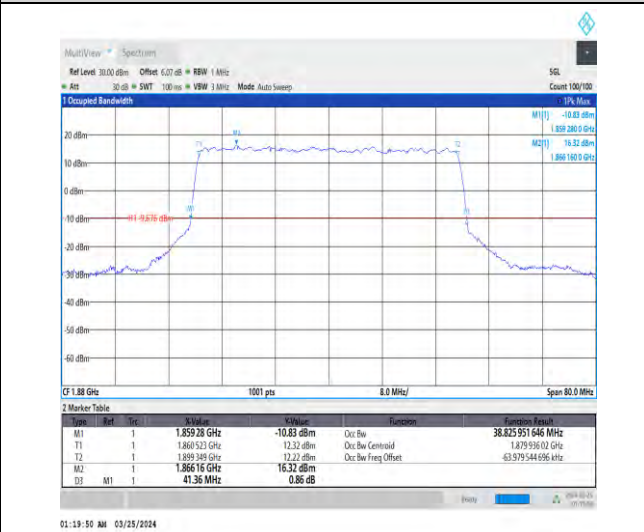
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 1-38.744-41.360-≤40-PASS



1-N2-15-40-M-5-DFT-256QAM-Outer_Full-216@0-A
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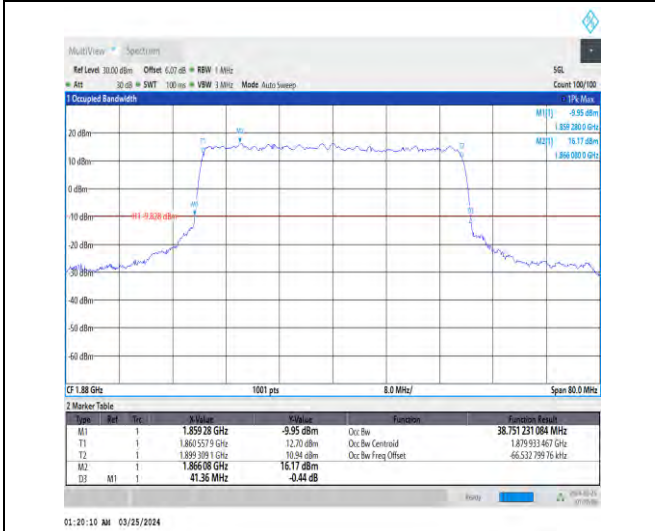
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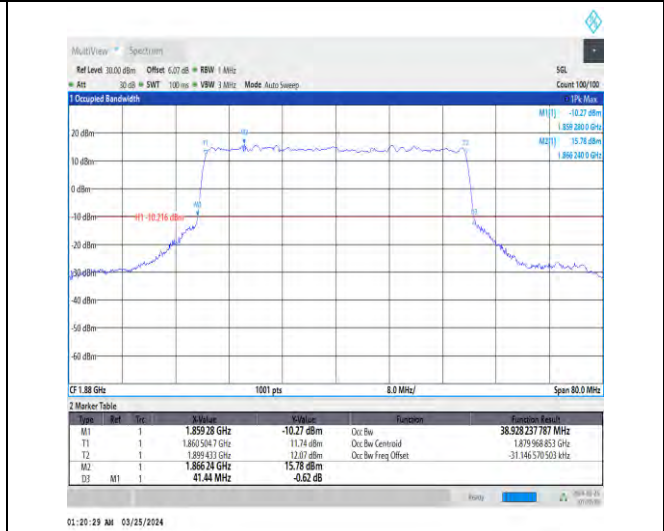
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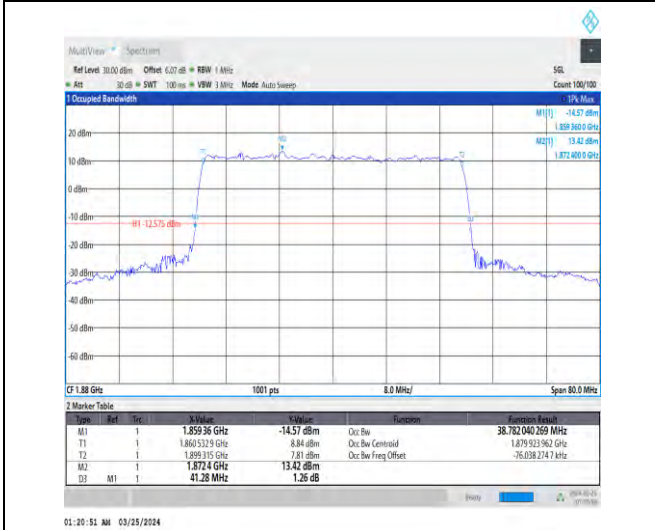
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1-N2-15-40-M-7-CP-16QAM-Outer_Full-216@0-Ant1
-38.751-41.360-≤40-PASS



1-N2-15-40-M-8-CP-64QAM-Outer_Full-216@0-Ant1
-38.928-41.440-≤40-PASS



1-N2-15-40-M-9-CP-256QAM-Outer_Full-216@0-Ant
1-38.782-41.280-≤40-PASS



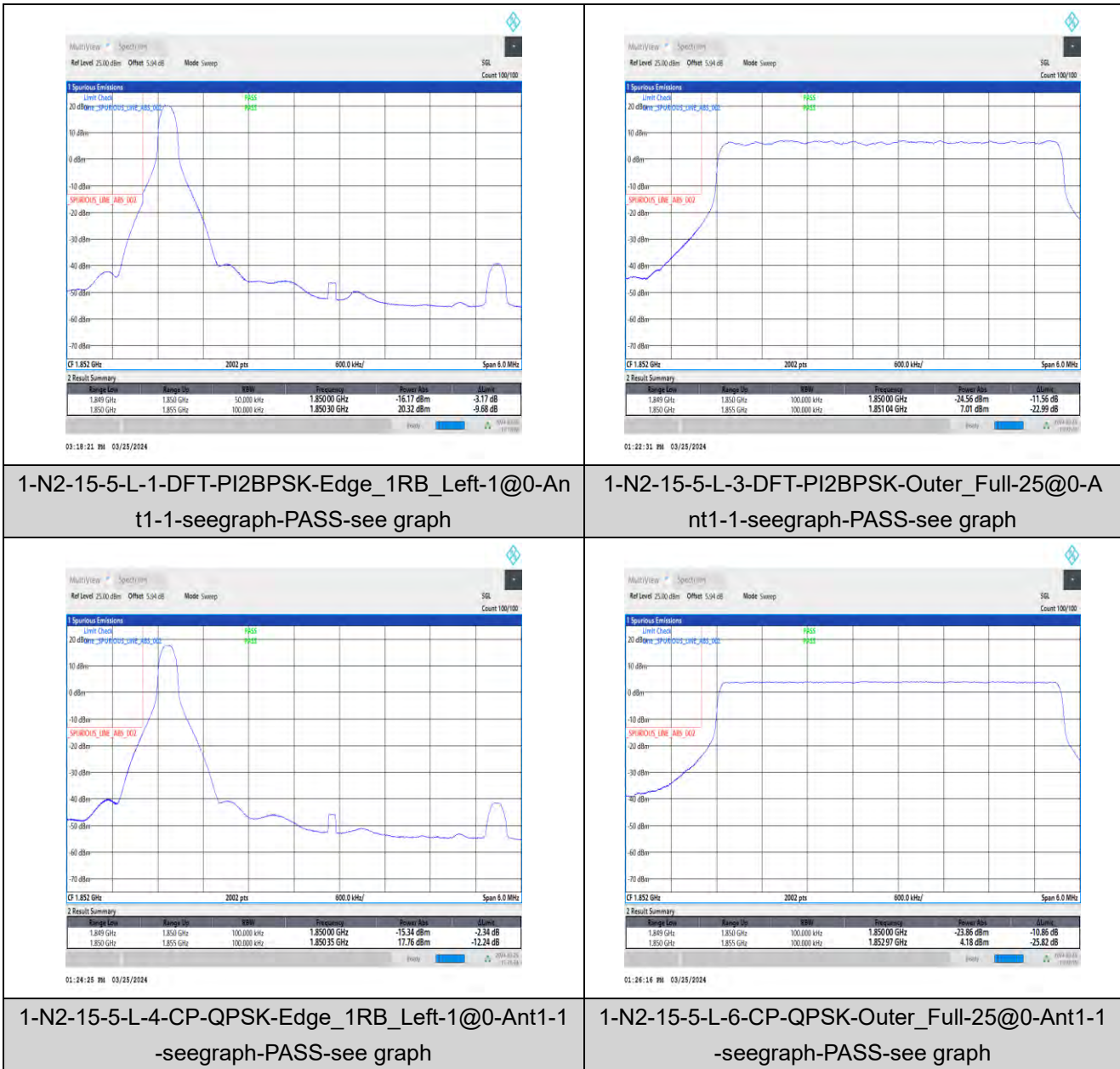
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Band Edge for SA

Test Graphs



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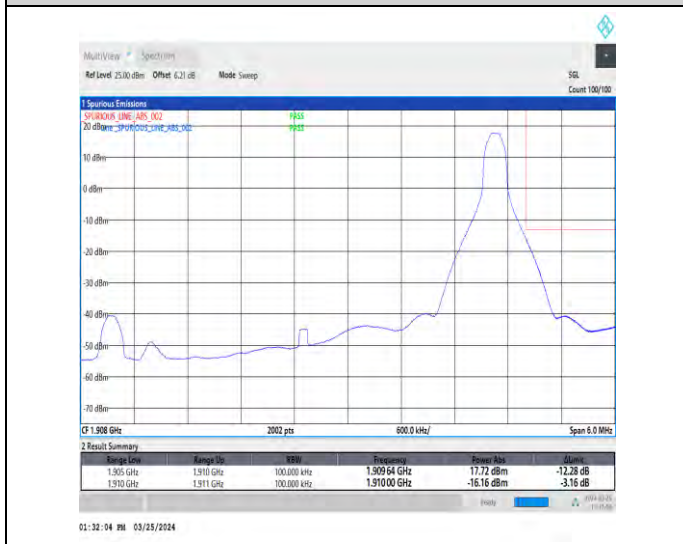
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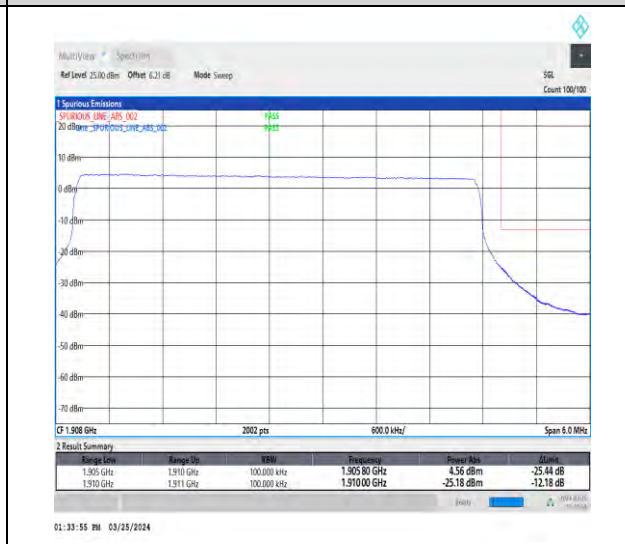
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1-N2-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1-see graph-PASS-see graph



1-N2-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1-see graph-PASS-see graph



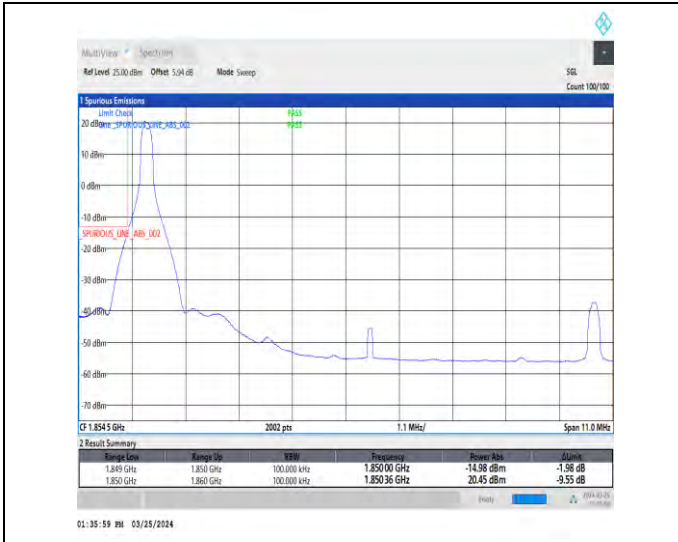
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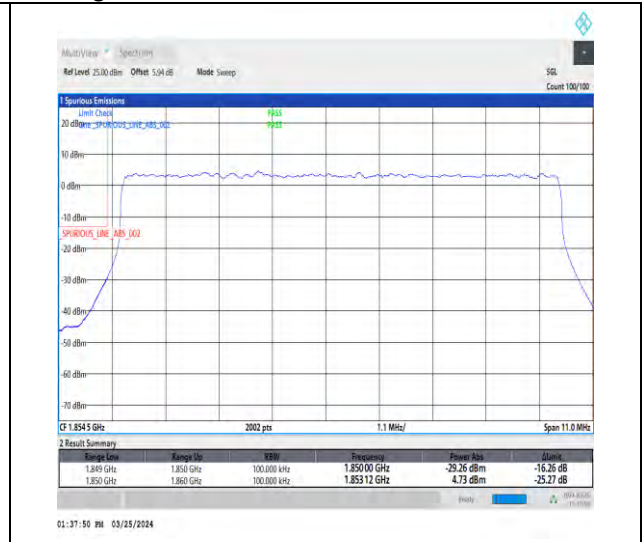
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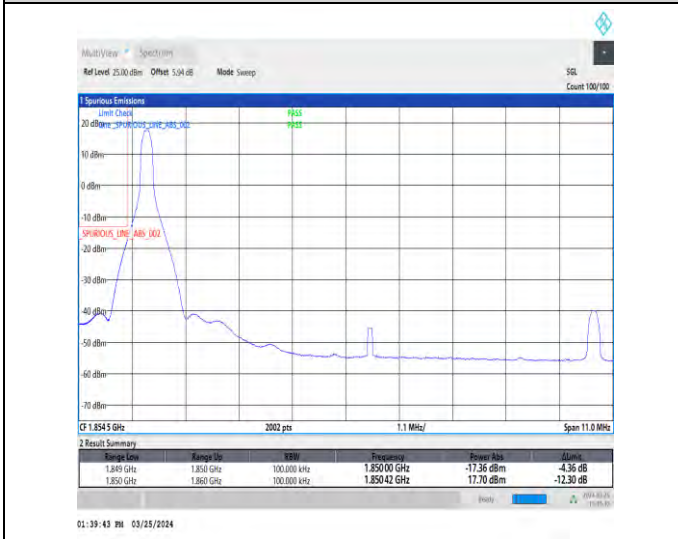
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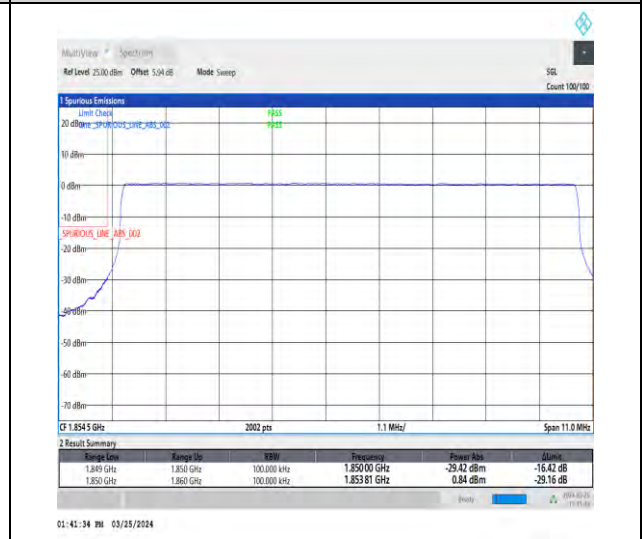
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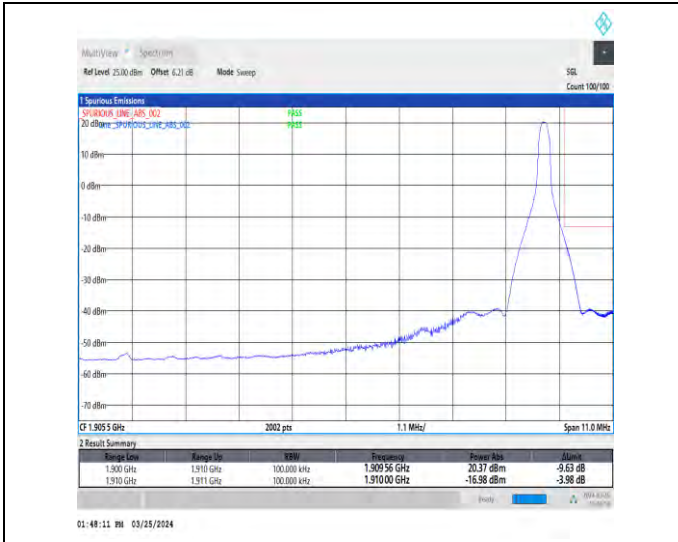
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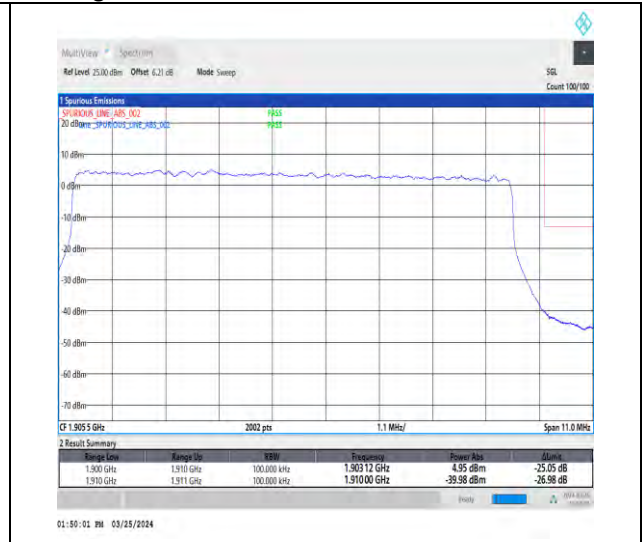
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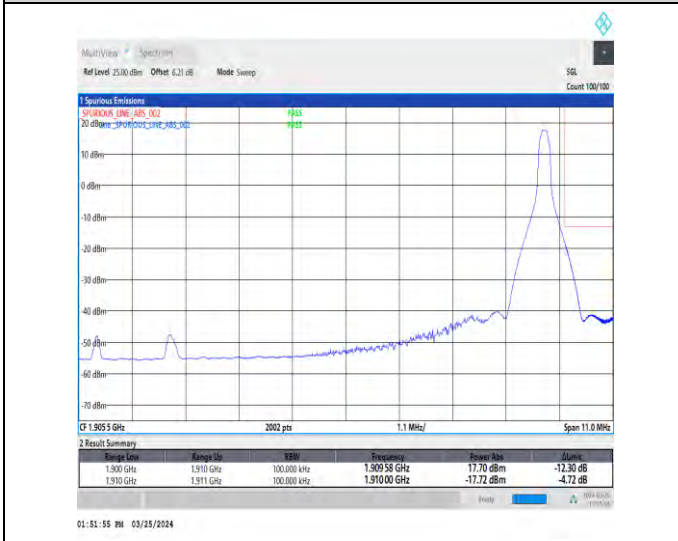
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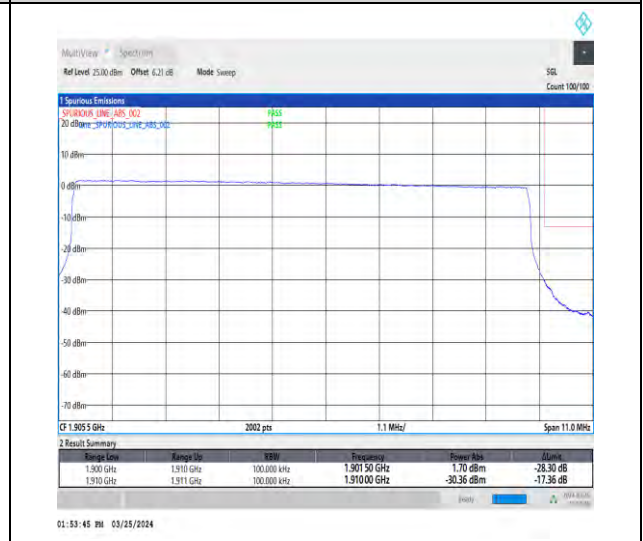
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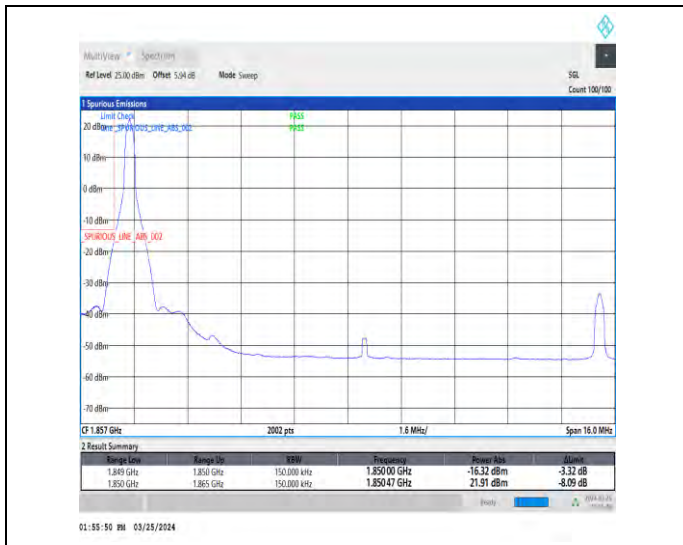
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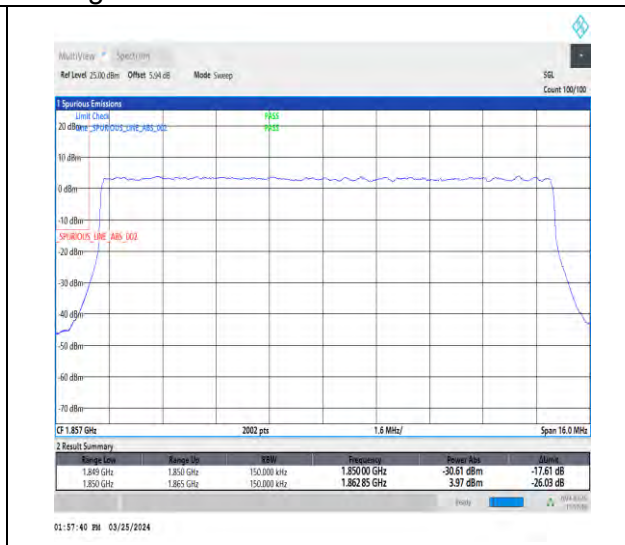
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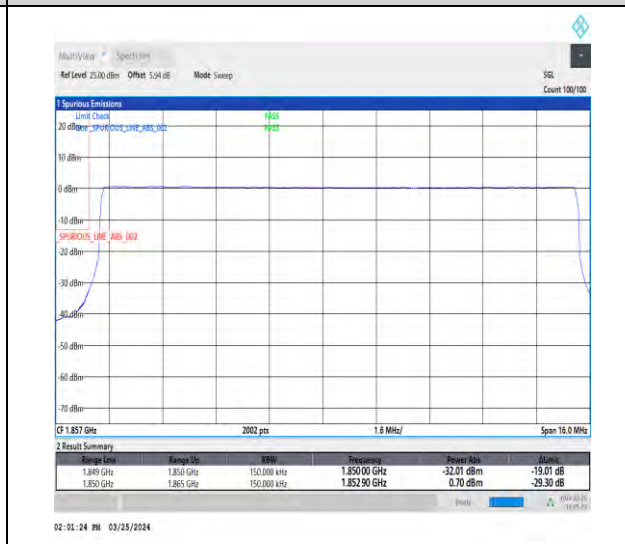
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1-N2-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-A
 nt1-1-seegraph-PASS-see graph



1-N2-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-A nt1-1-seegraph-PASS-see graph



1-N2-15-15-L-6-CP-QPSK-Outer_Full-79@0-A nt1-1-seegraph-PASS-see graph



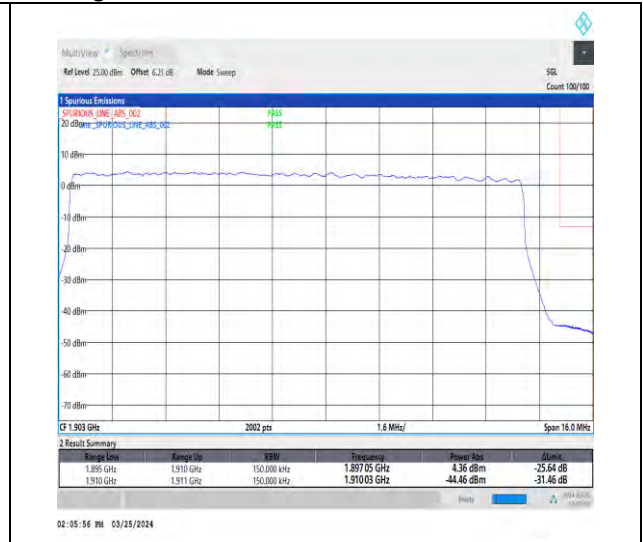
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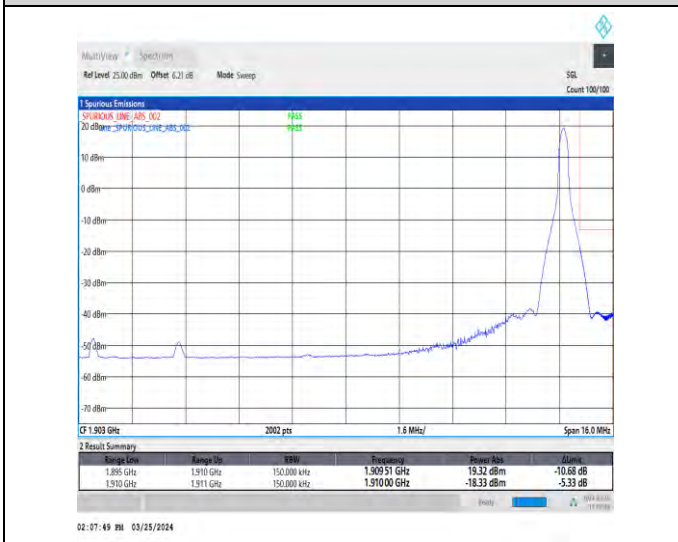
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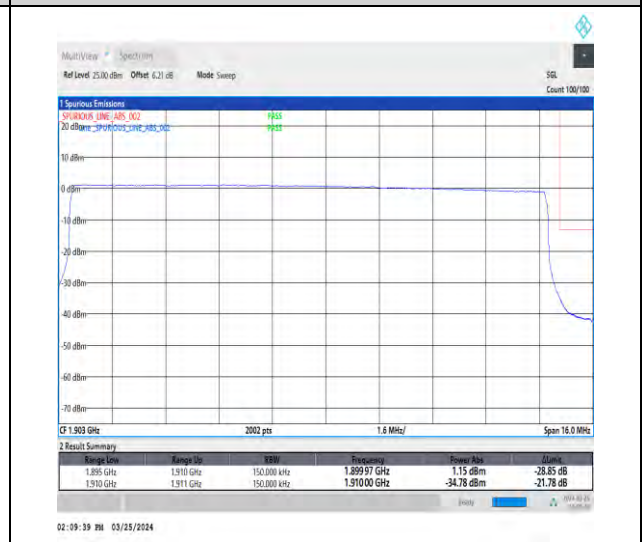
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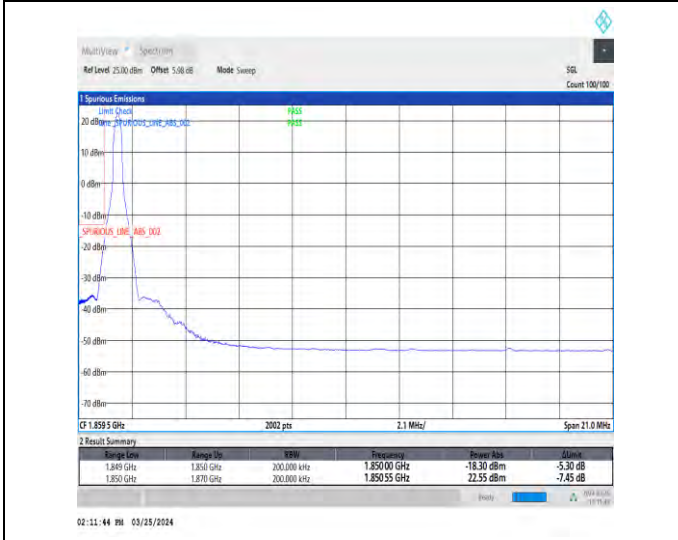
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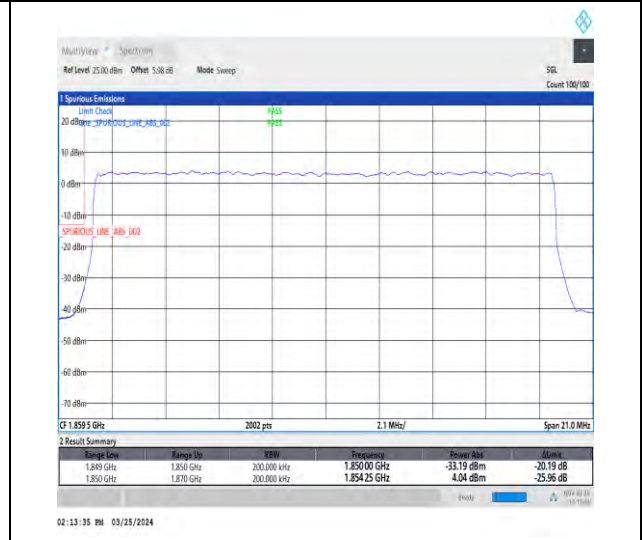
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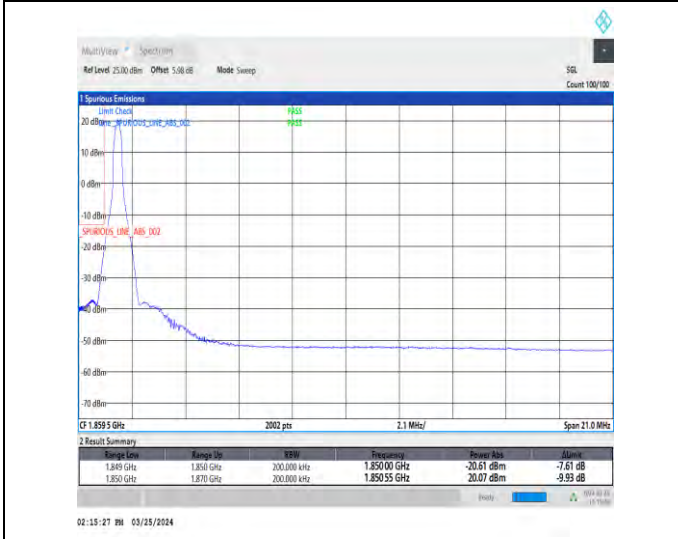
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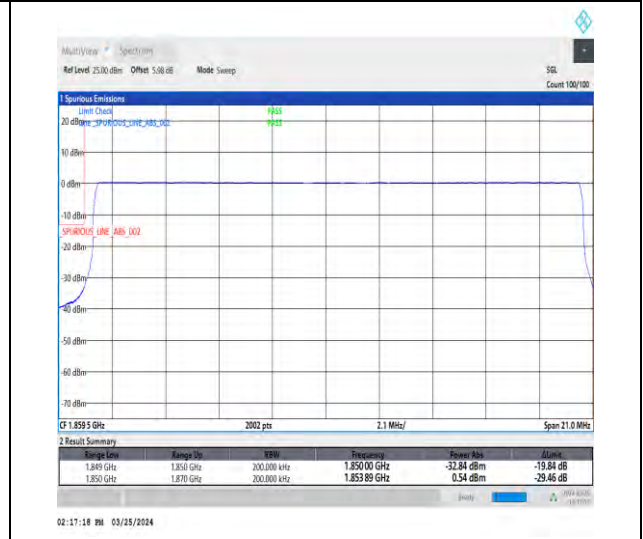
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nt1-1-seegraph-PASS-see graph



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Ant1-1-seegraph-PASS-see graph



1-N2-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1-seegraph-PASS-see graph

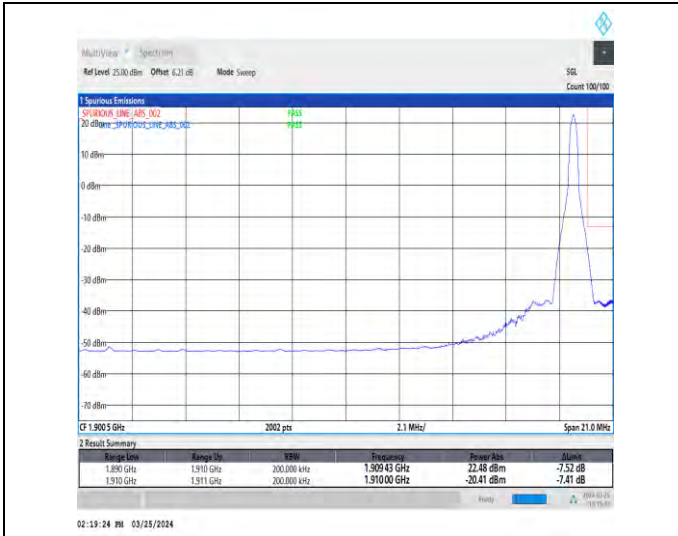


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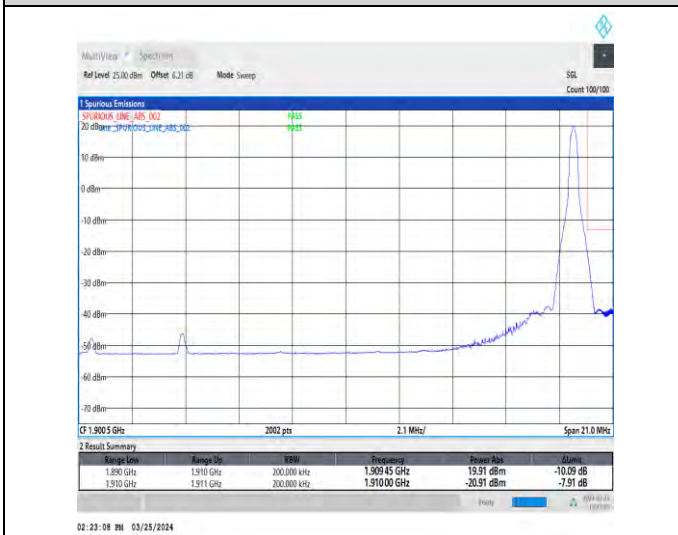
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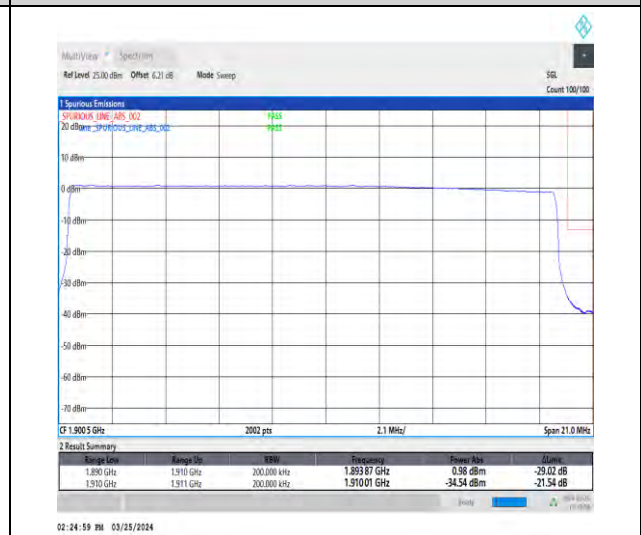
1-N2-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-1-seegraph-PASS-see graph



1-N2-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1-seegraph-PASS-see graph



1-N2-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1-seegraph-PASS-see graph



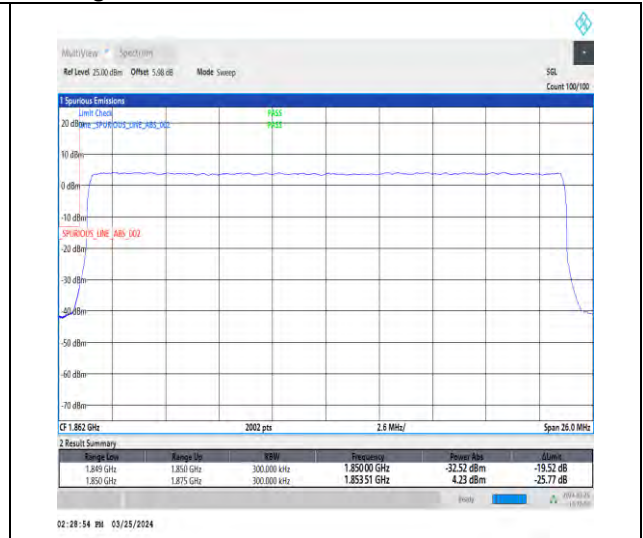
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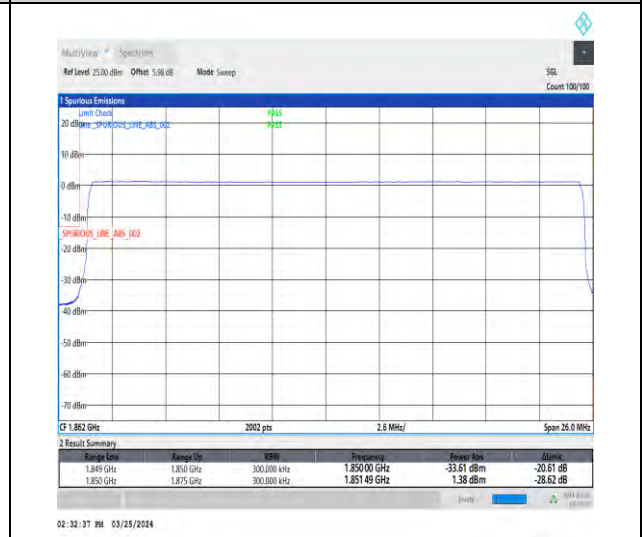
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1-N2-15-25-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



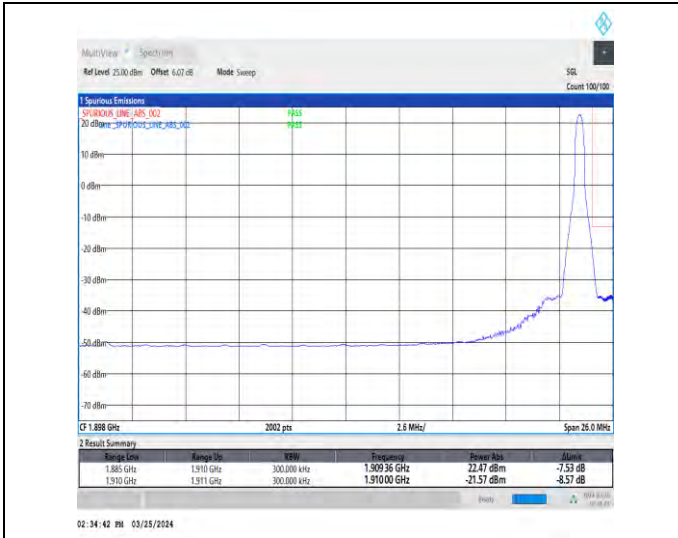
1-N2-15-25-L-6-CP-QPSK-Outer_Full-133@0-Ant1-1-seegraph-PASS-see graph



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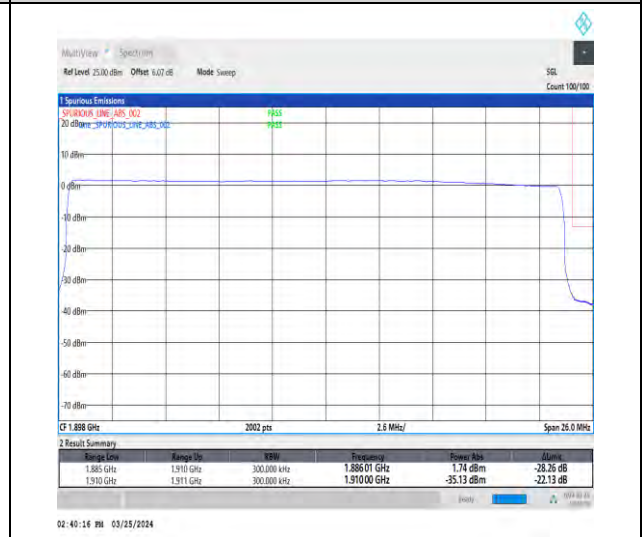
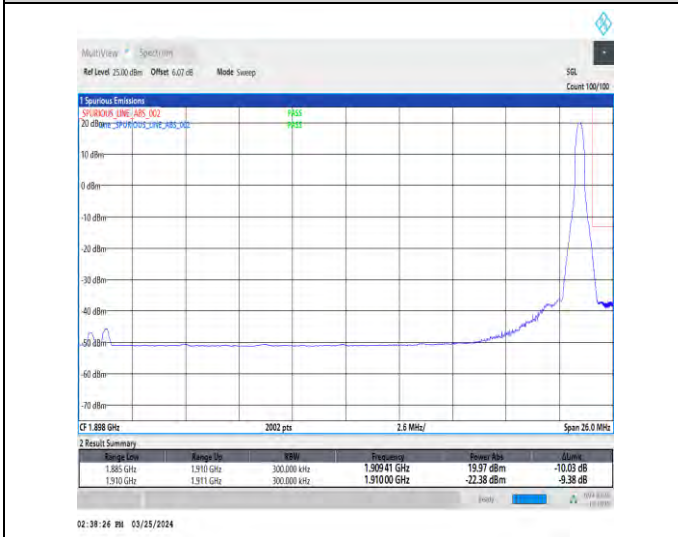
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1-N2-15-25-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@1
32-Ant1-1-seegraph-PASS-see graph

1-N2-15-25-H-3-DFT-PI2BPSK-Outer_Full-128@0
-Ant1-1-seegraph-PASS-see graph



1-N2-15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-A
nt1-1-seegraph-PASS-see graph

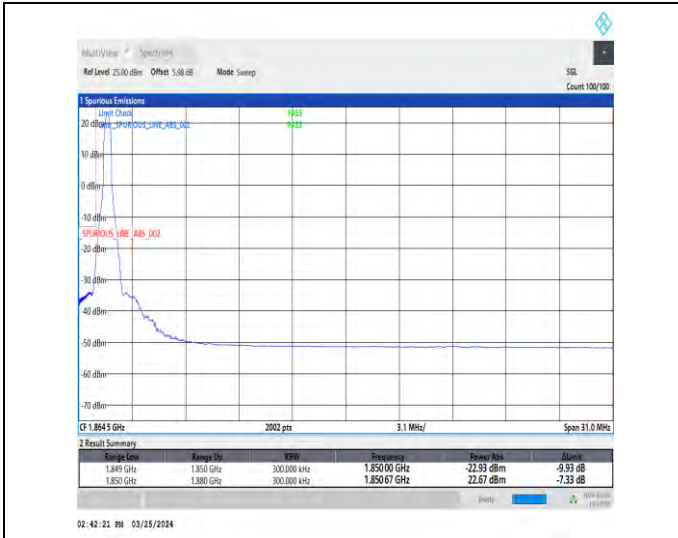
1-N2-15-25-H-6-CP-QPSK-Outer_Full-133@0-Ant
1-1-seegraph-PASS-see graph



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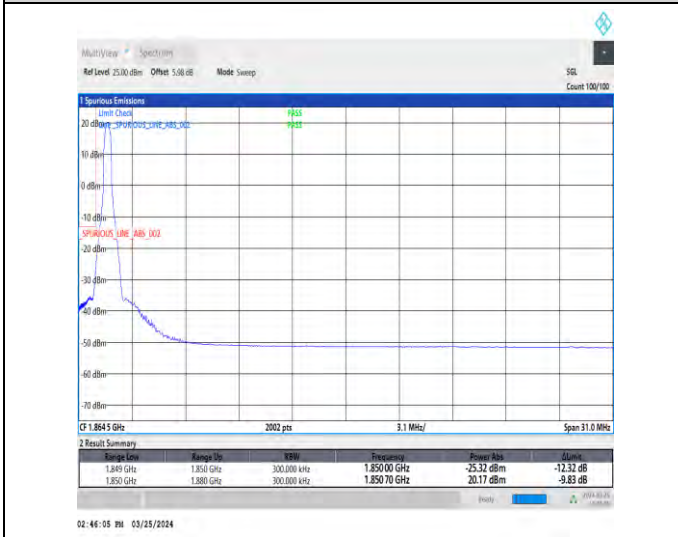
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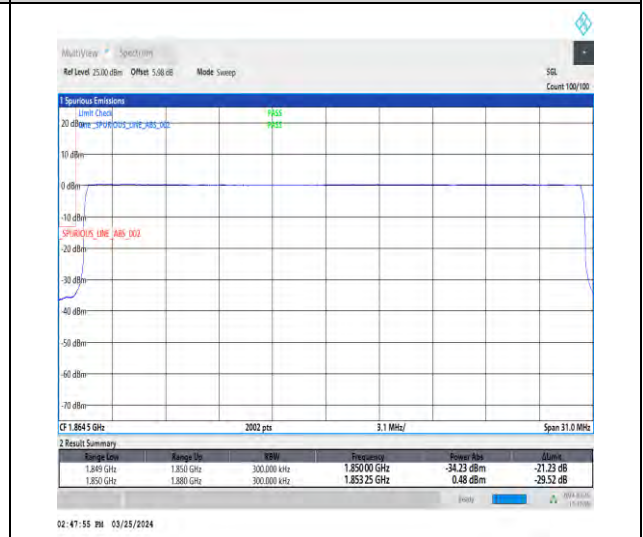
1-N2-15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-30-L-3-DFT-PI2BPSK-Outer_Full-160@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



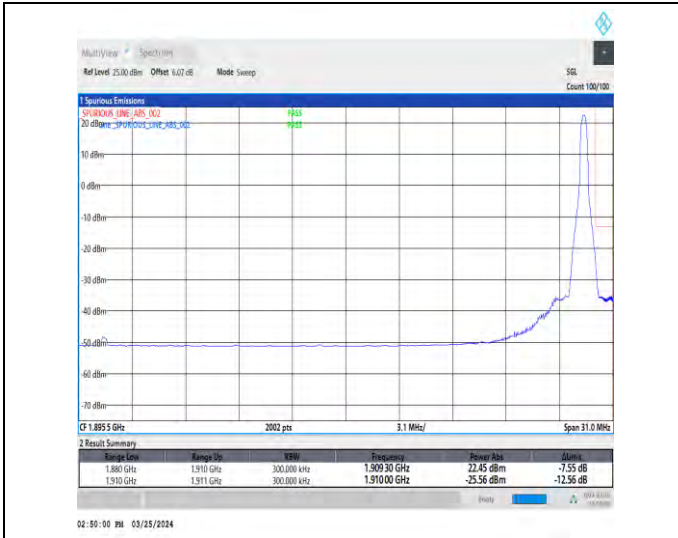
1-N2-15-30-L-6-CP-QPSK-Outer_Full-160@0-Ant1-1-seegraph-PASS-see graph



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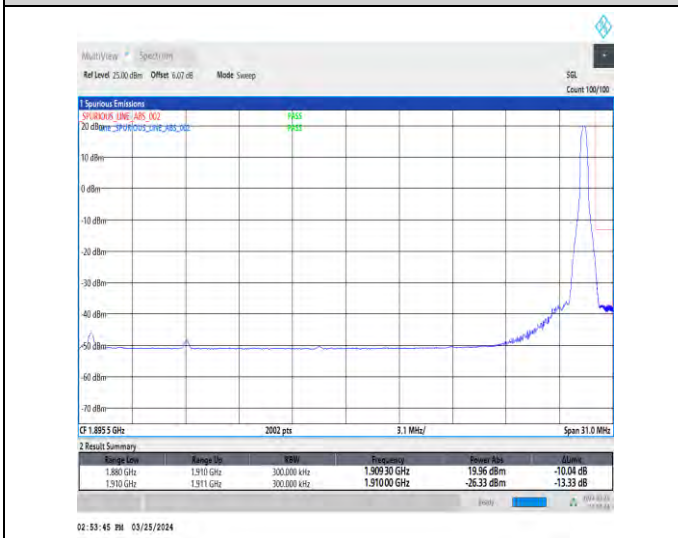
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1-N2-15-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@159-Ant1-1-seegraph-PASS-see graph

1-N2-15-30-H-3-DFT-PI2BPSK-Outer_Full-160@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant1-1-seegraph-PASS-see graph

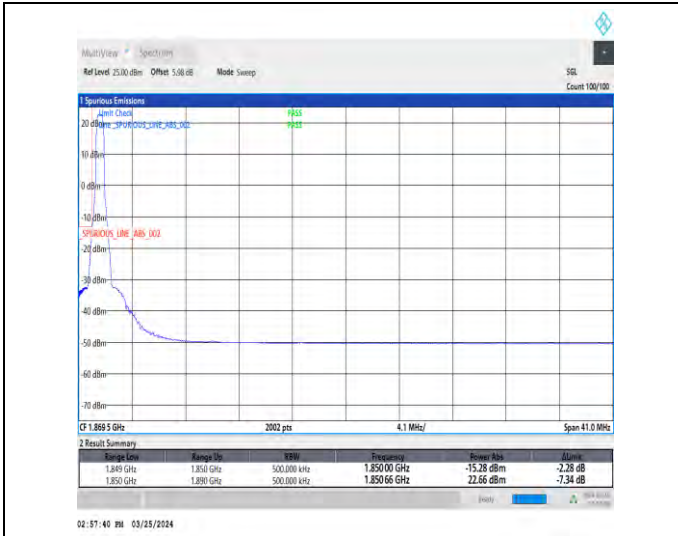
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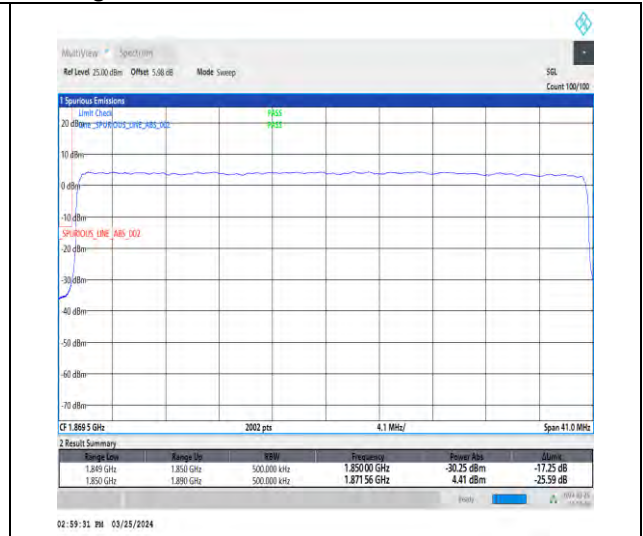
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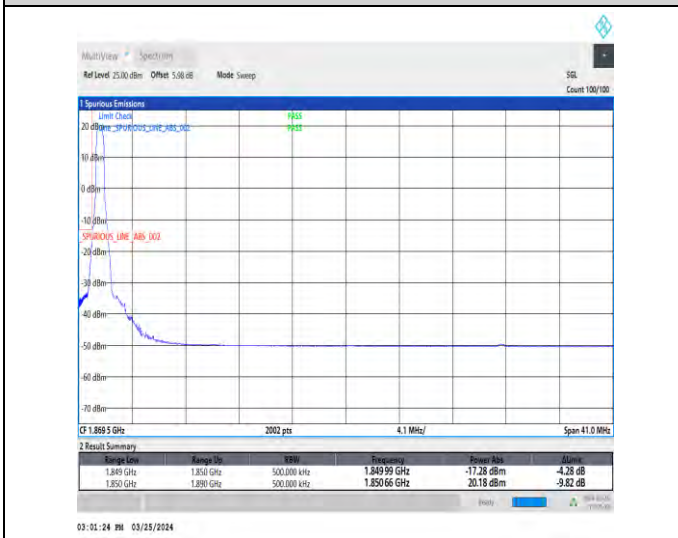
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1-N2-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant1-1-seegraph-PASS-see graph

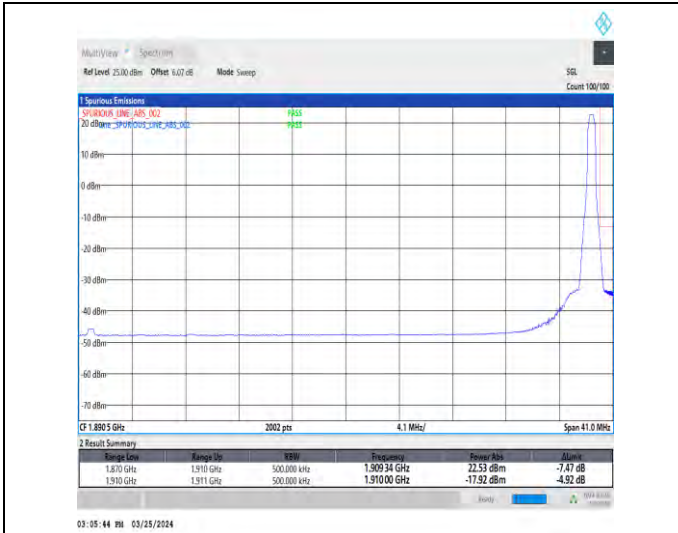


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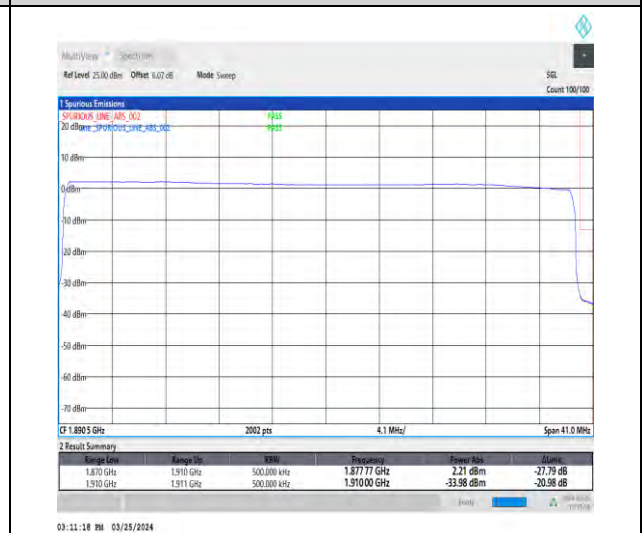
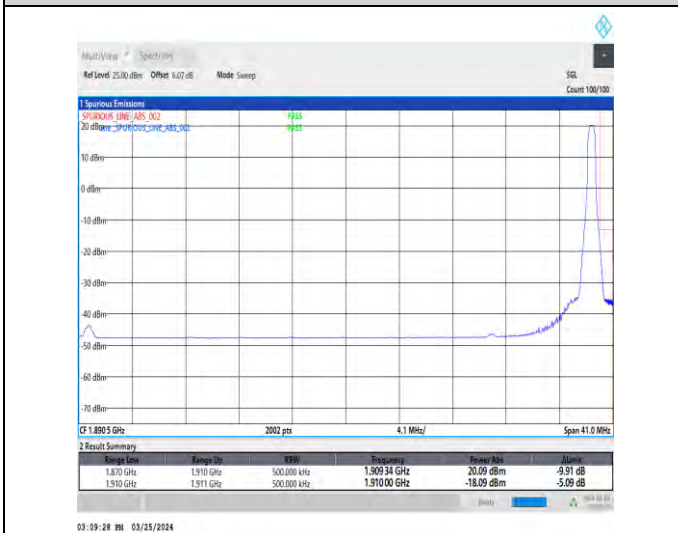
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1-N2-15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@2
15-Ant1-1-seegraph-PASS-see graph

1-N2-15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0
-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-A
nt1-1-seegraph-PASS-see graph

1-N2-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant
1-1-seegraph-PASS-see graph



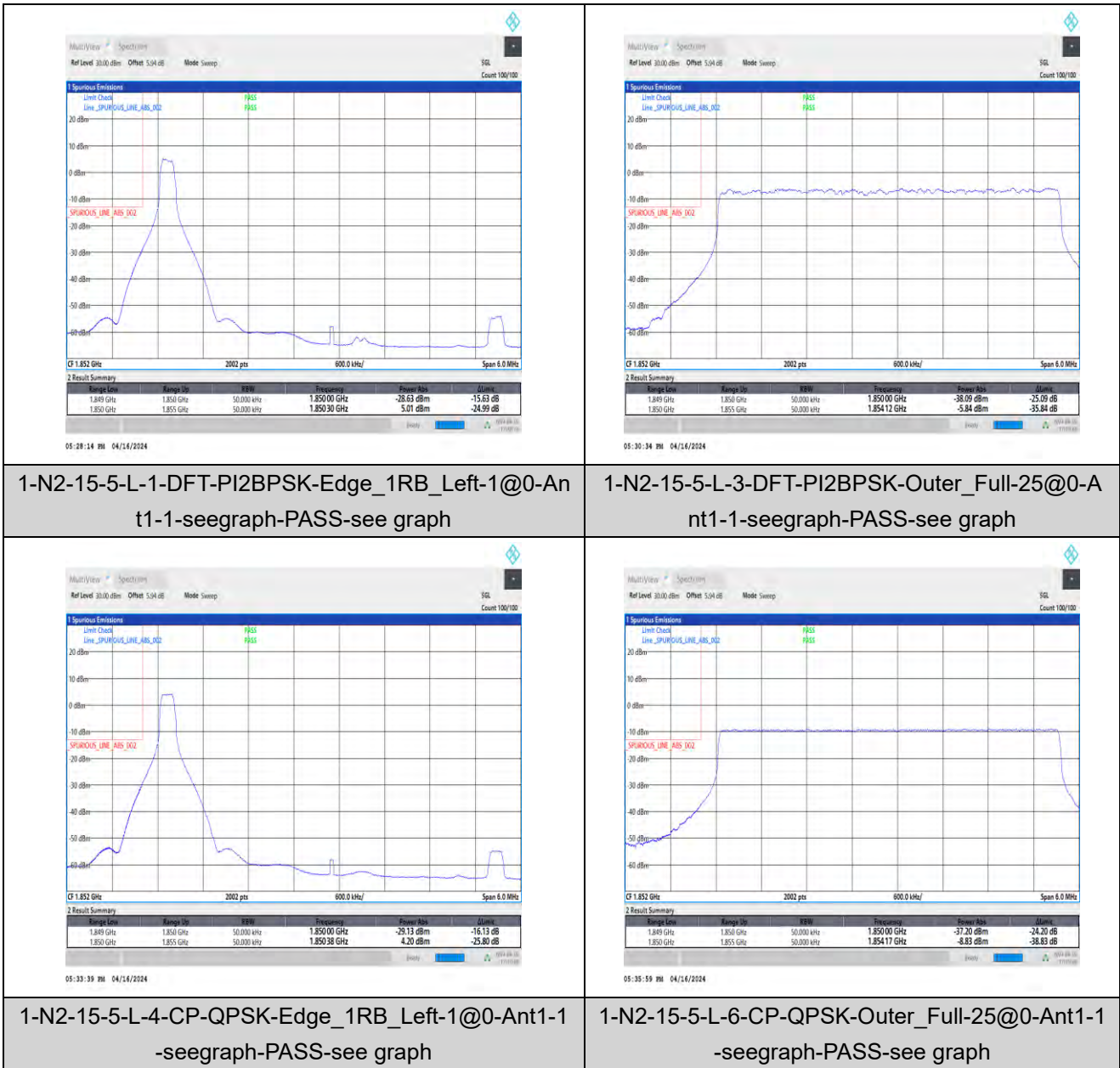
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Band Edge for MIMO ANT1

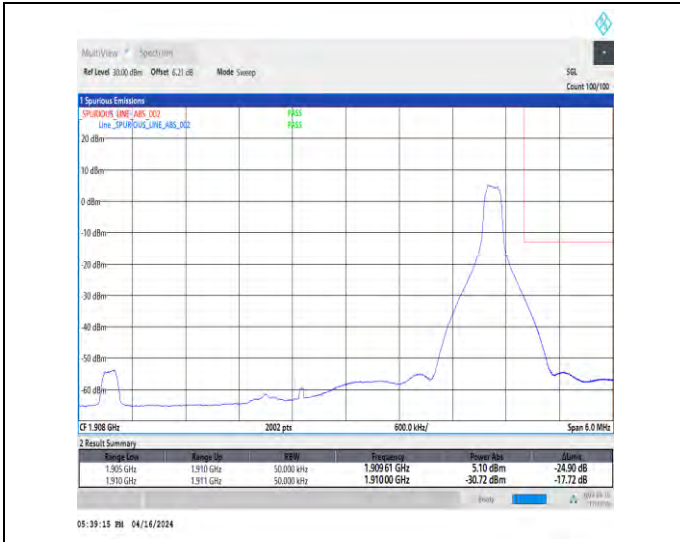
Test Graphs



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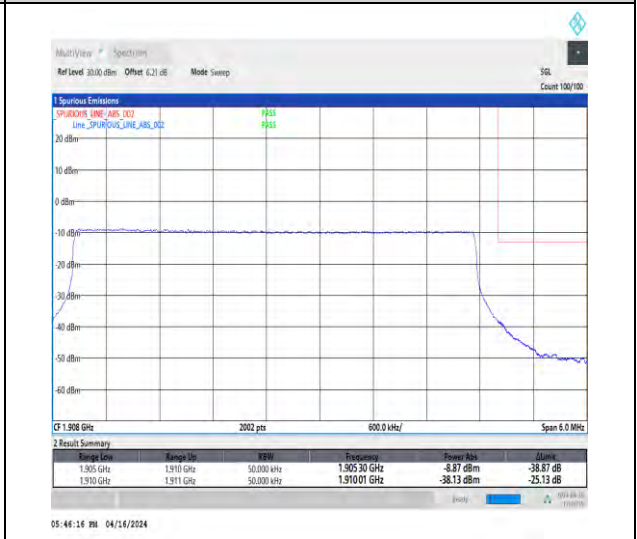
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1-N2-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1-see graph-PASS-see graph



1-N2-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1-see graph-PASS-see graph



1-N2-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-1-see graph-PASS-see graph



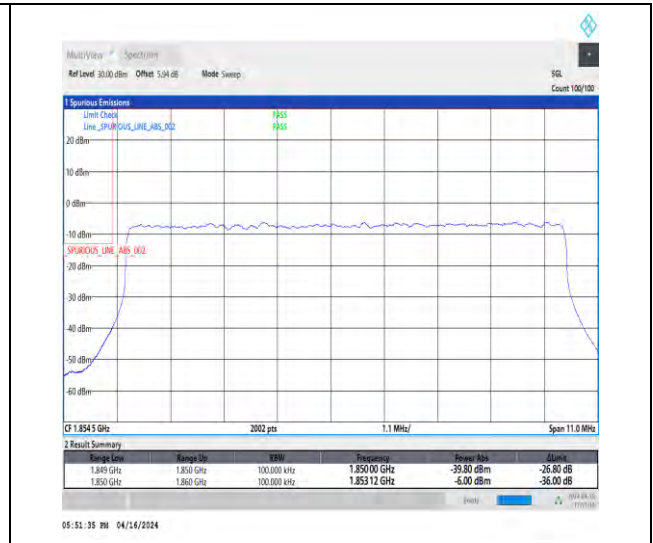
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1-N2-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1-seegraph-PASS-see graph



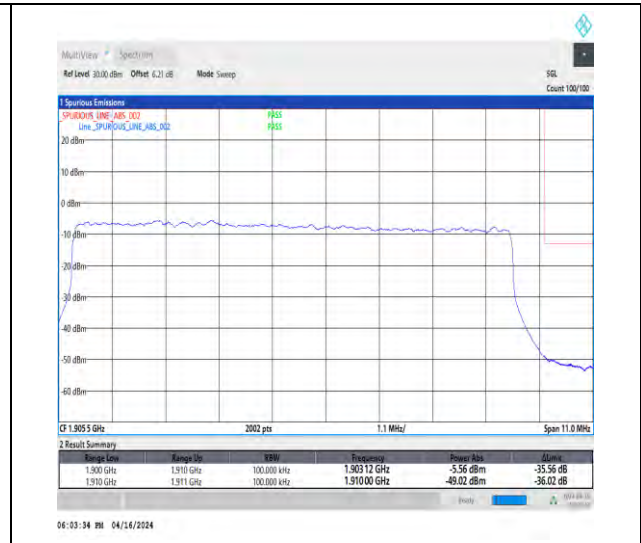
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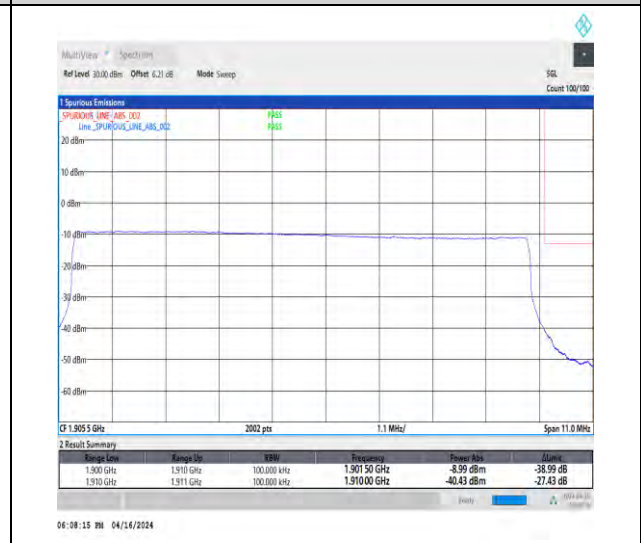
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Ant1-1-seegraph-PASS-see graph



1-N2-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-An
t1-1-seegraph-PASS-see graph



1-N2-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1
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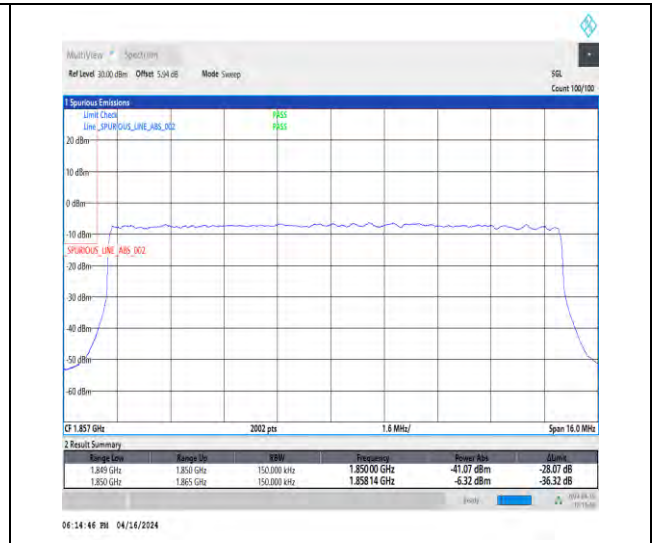
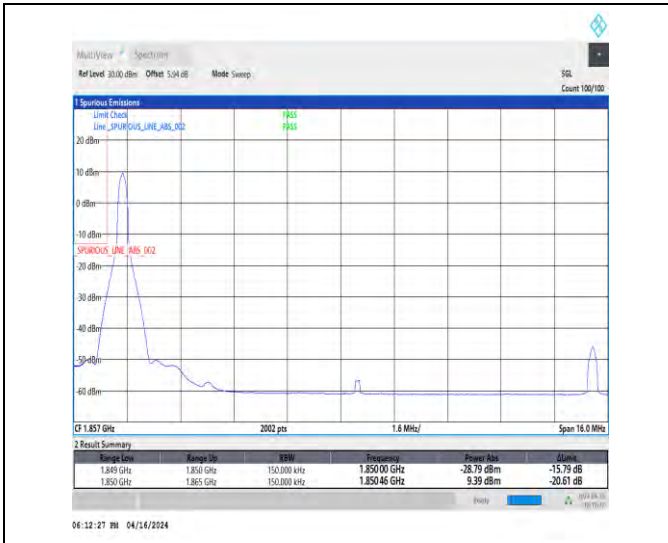


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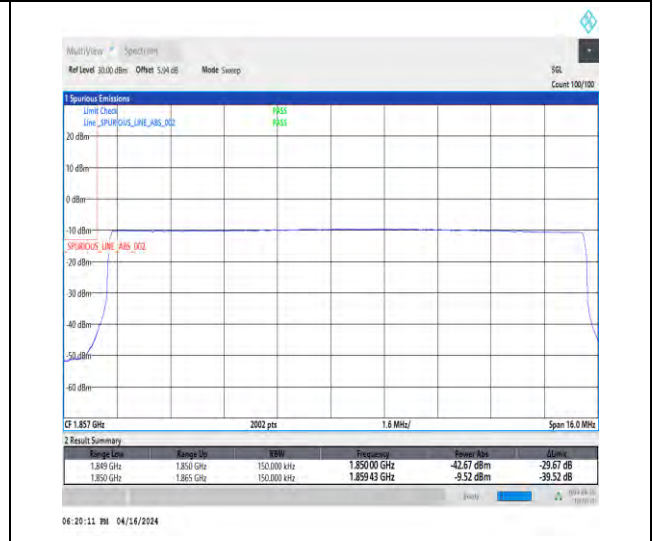
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1-N2-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N2-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph

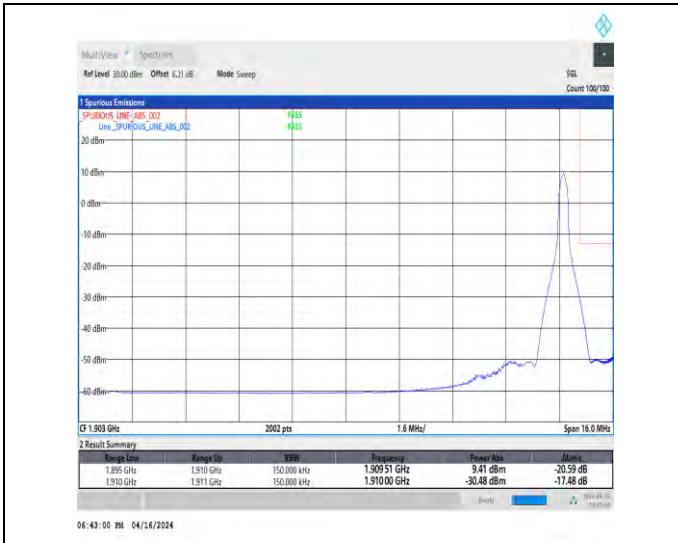
1-N2-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph



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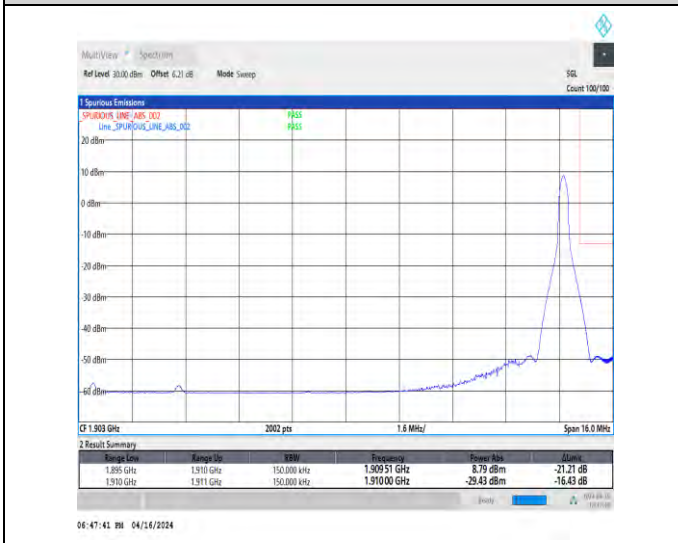
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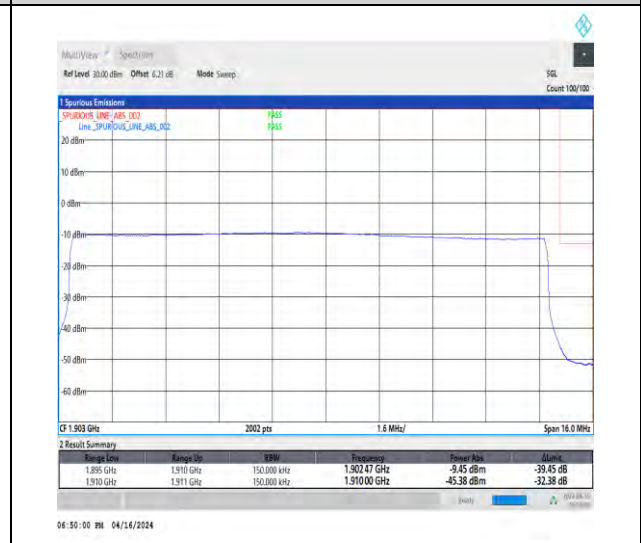
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1-N2-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-1-seegraph-PASS-see graph



1-N2-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant1-1-seegraph-PASS-see graph

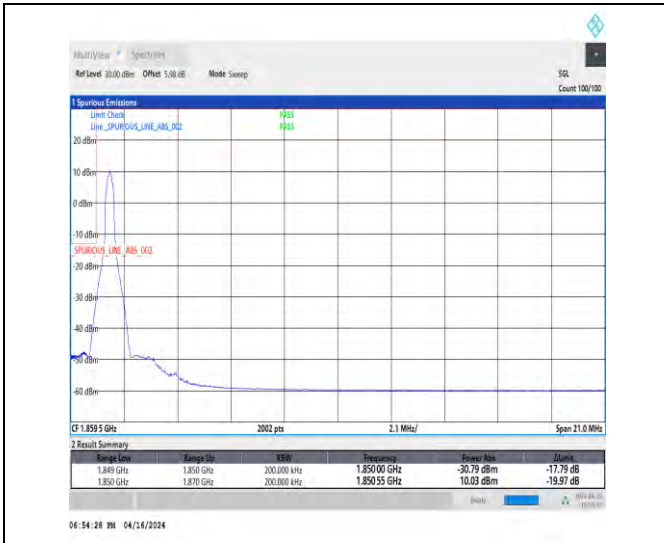


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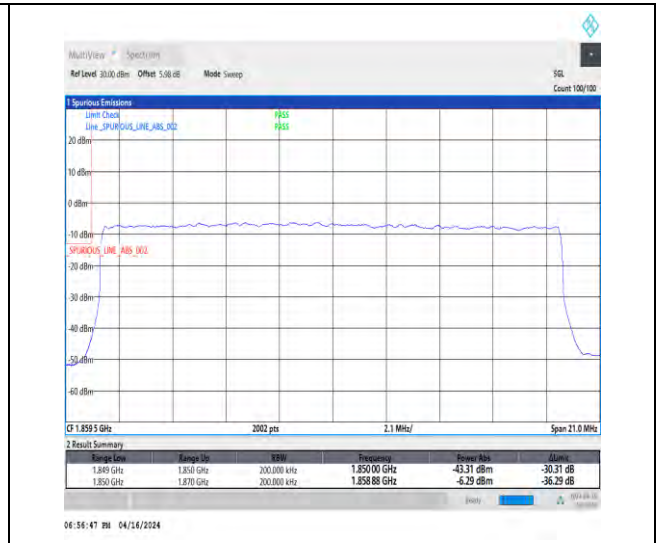
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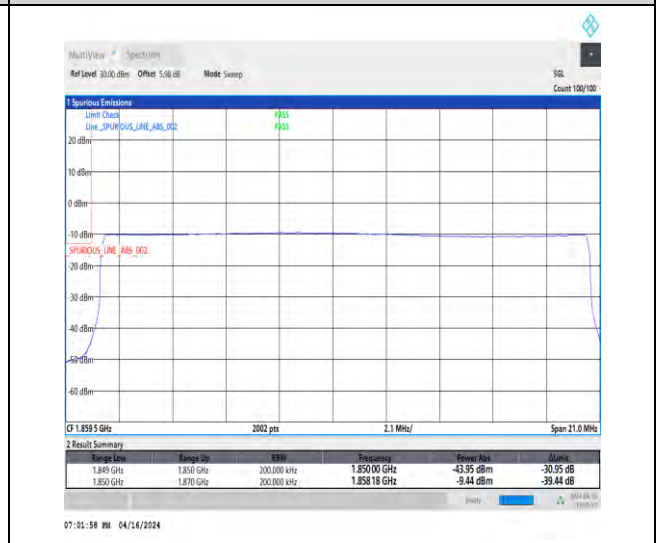
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1-N2-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



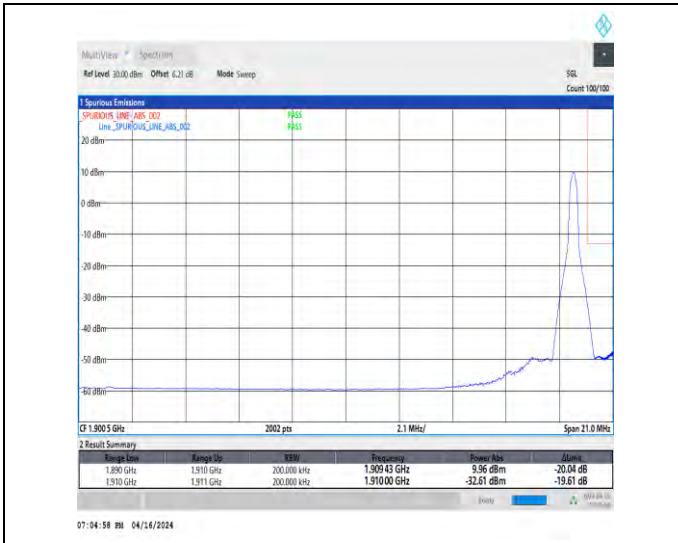
1-N2-15-20-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1-seegraph-PASS-see graph



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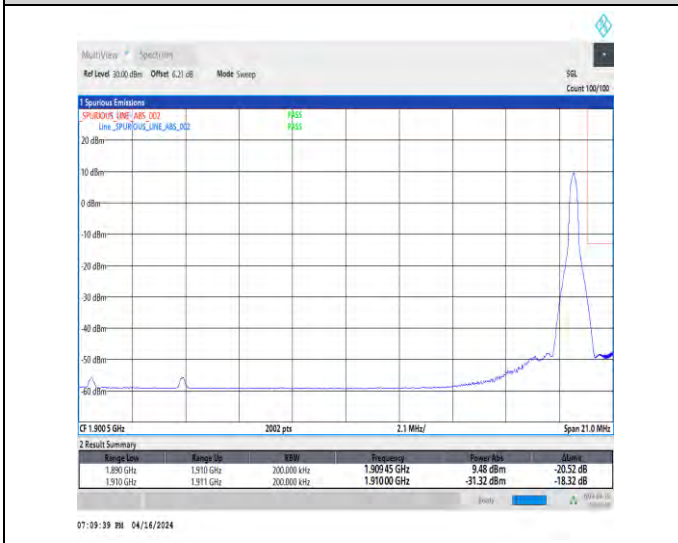
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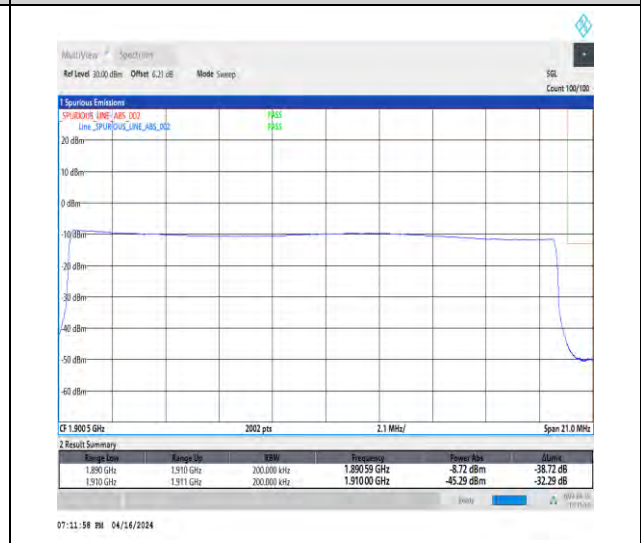
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1-N2-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1-seegraph-PASS-see graph



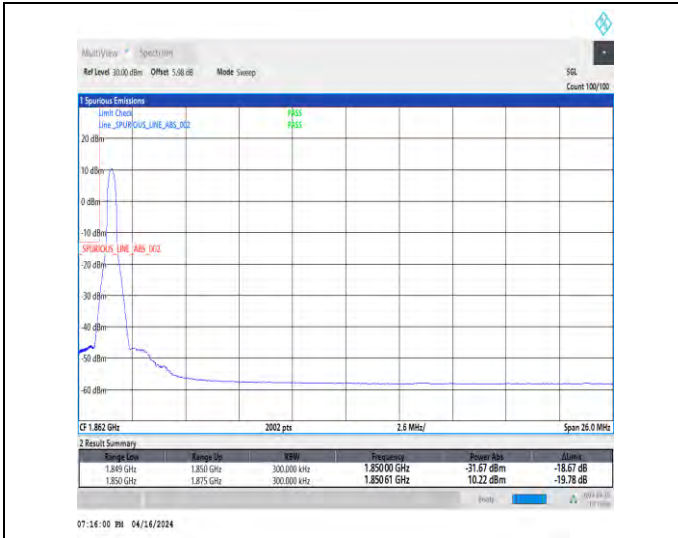
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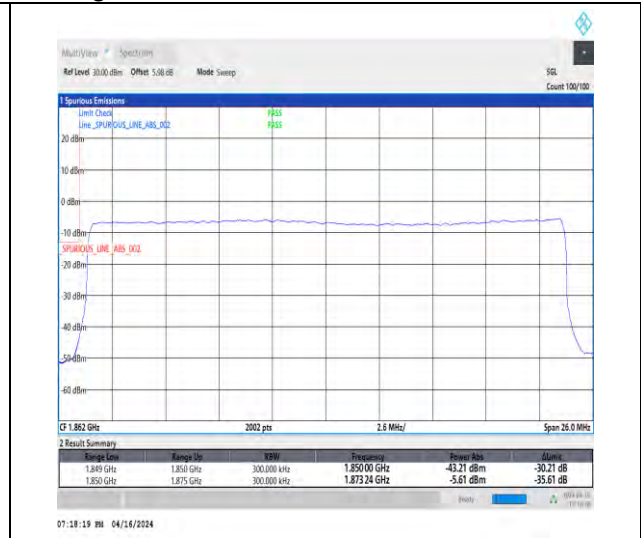
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1-N2-15-25-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-25-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-25-L-6-CP-QPSK-Outer_Full-133@0-Ant1-1-seegraph-PASS-see graph

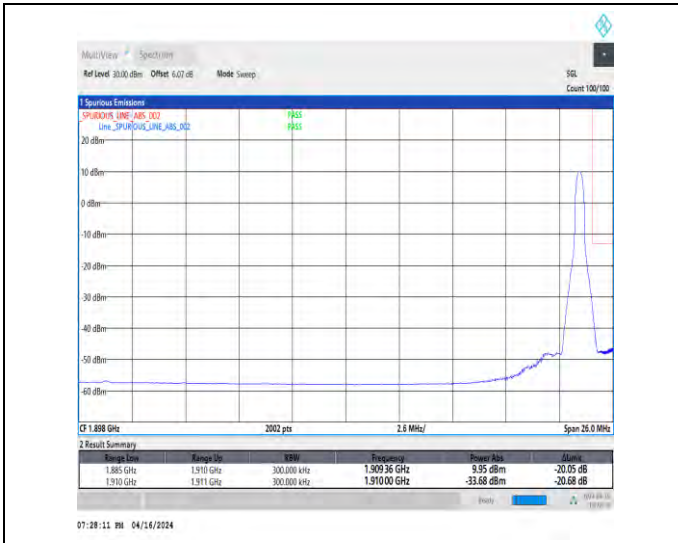


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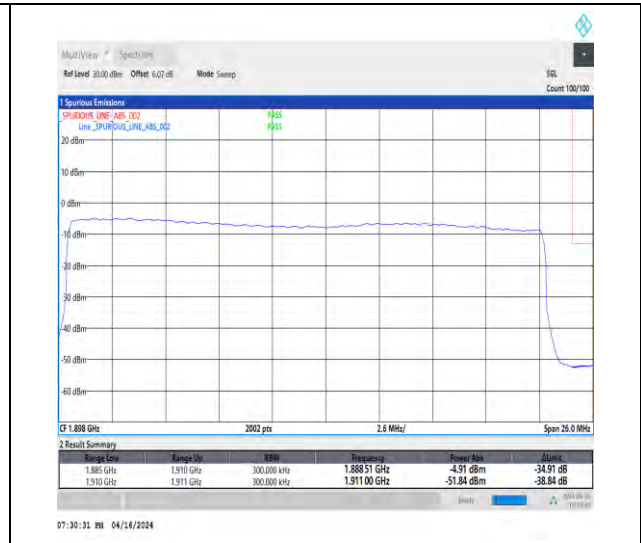
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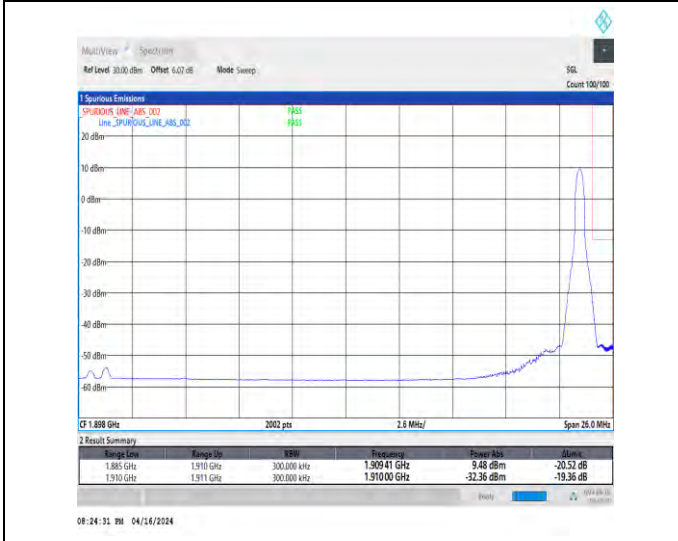
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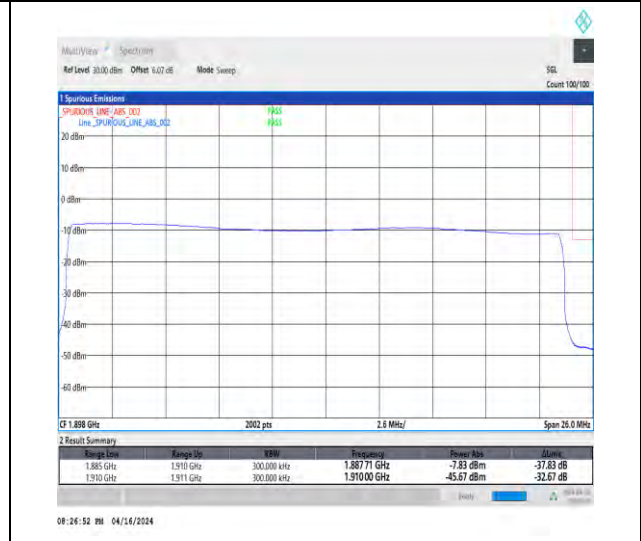
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1-N2-15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1-seegraph-PASS-see graph



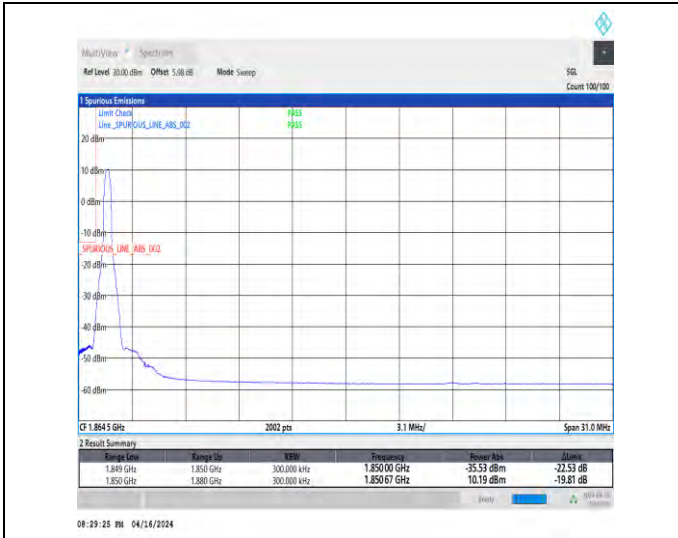
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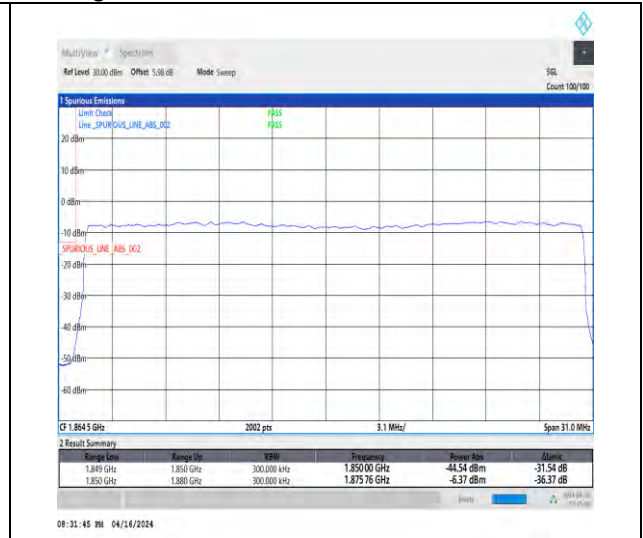
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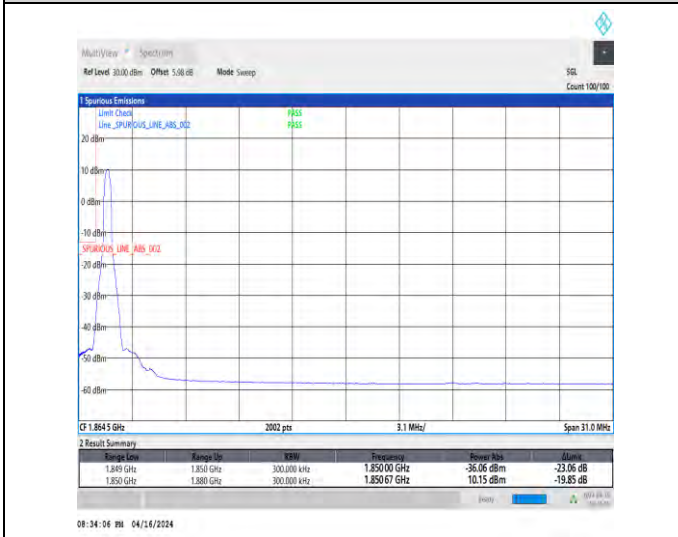
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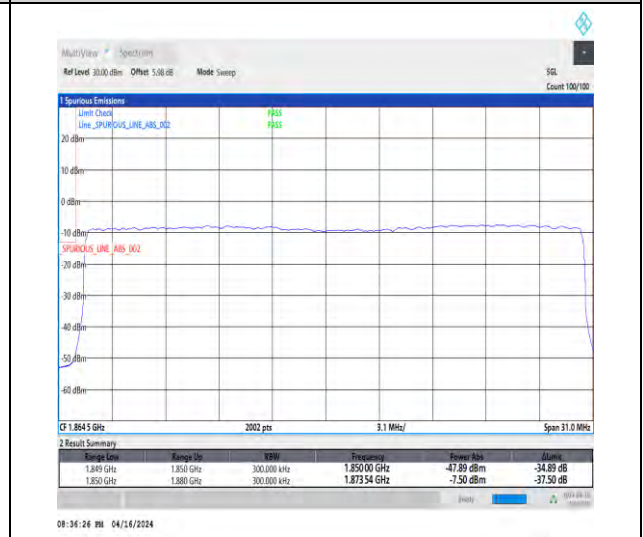
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Ant1-1-seegraph-PASS-see graph



1-N2-15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



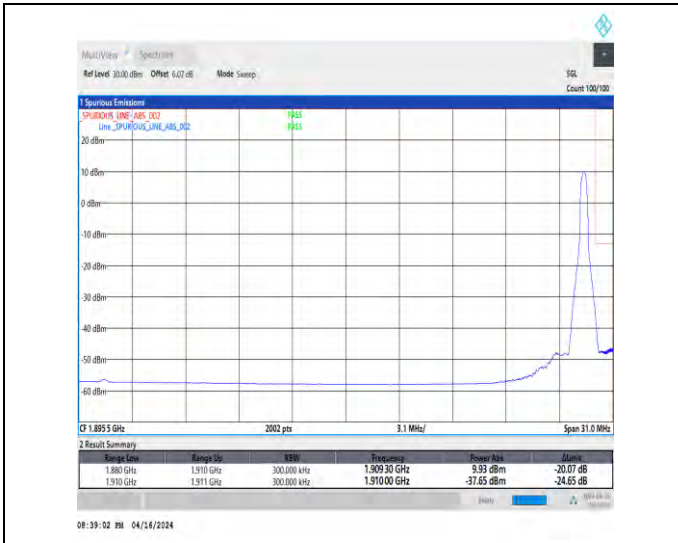
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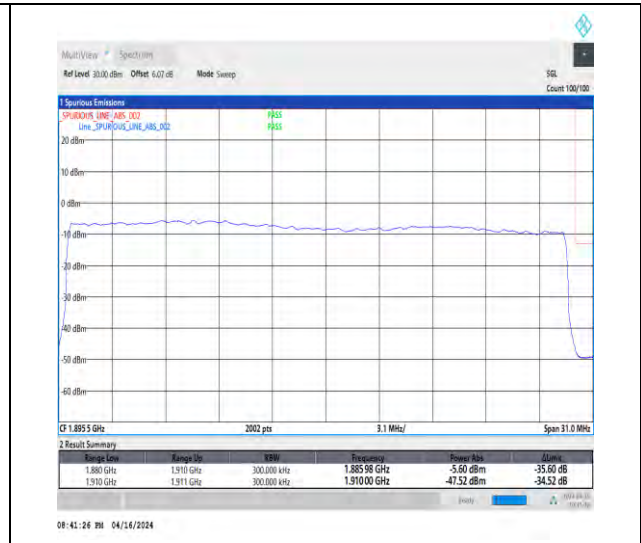
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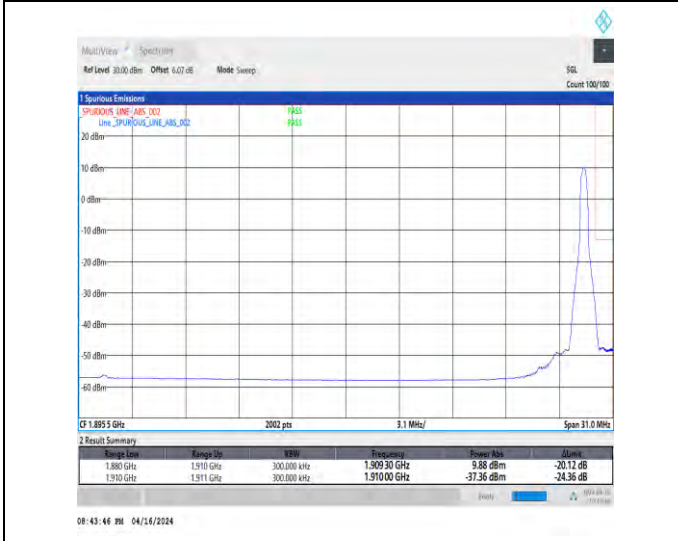
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1-N2-15-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@159-Ant1-1-seegraph-PASS-see graph



1-N2-15-30-H-3-DFT-PI2BPSK-Outer_Full-160@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant1-1-seegraph-PASS-see graph



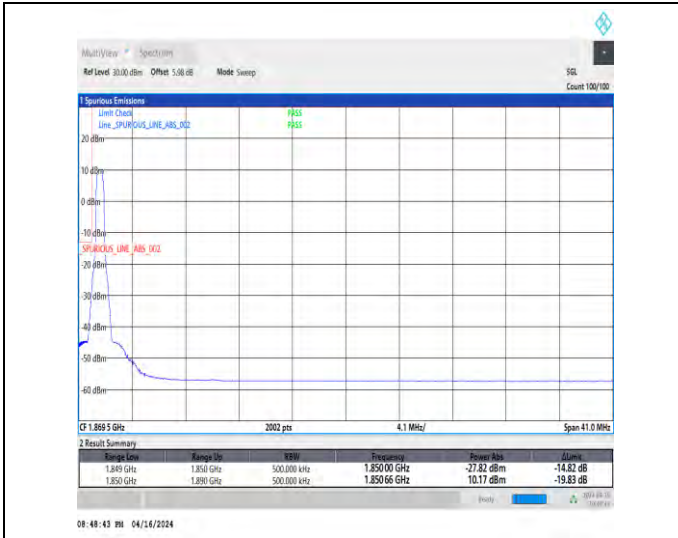
1-N2-15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant1-1-seegraph-PASS-see graph



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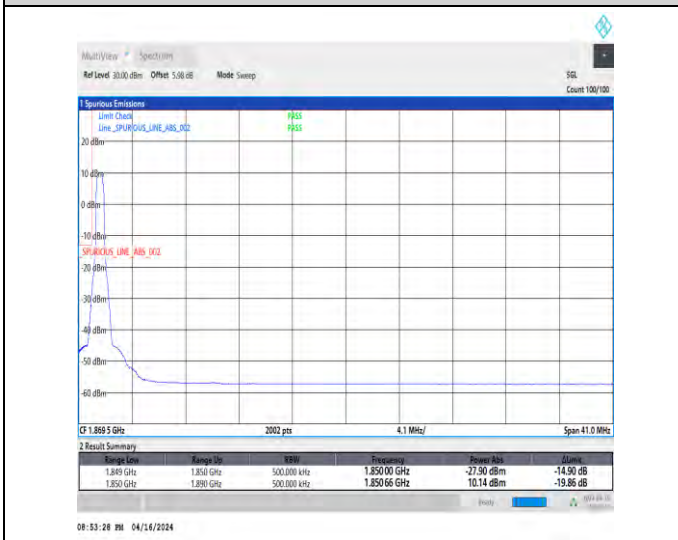
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1-N2-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant1-1-seegraph-PASS-see graph



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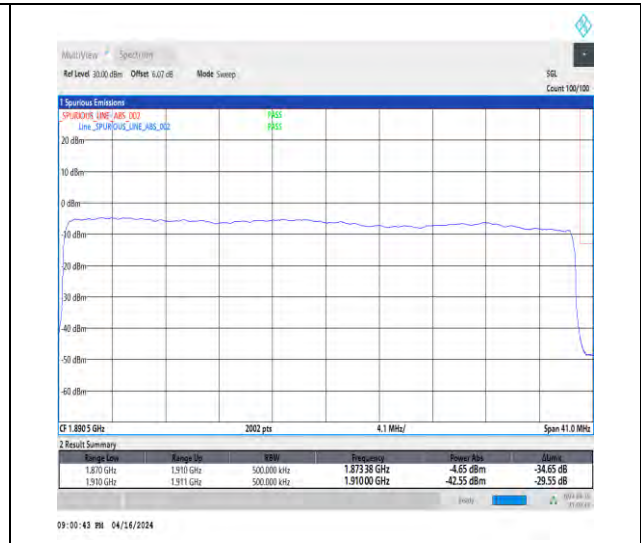
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1-N2-15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@215-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant1-1-seegraph-PASS-see graph



1-N2-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant1-1-seegraph-PASS-see graph



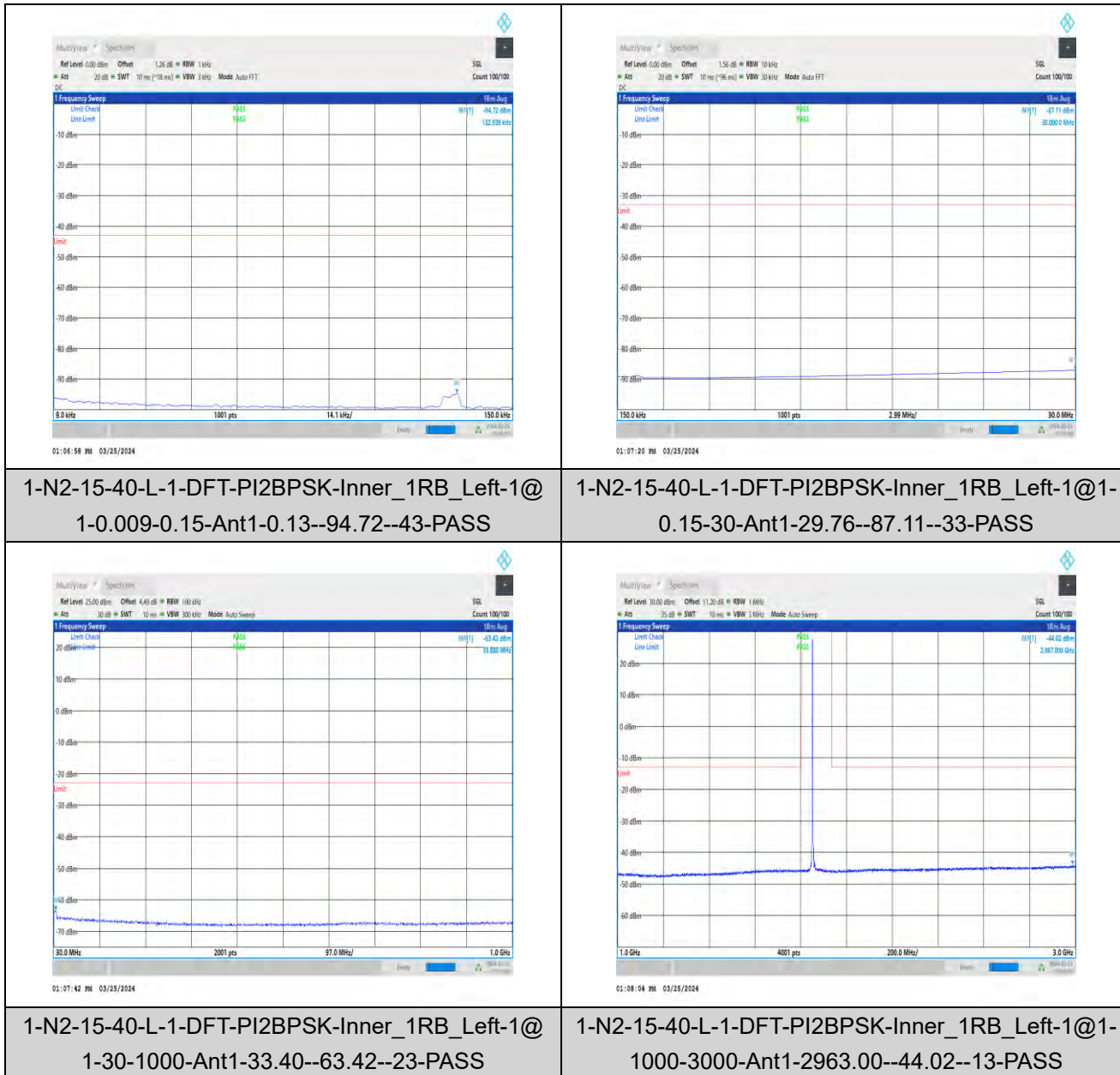
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Conducted Spurious Emission for SA

Test Graphs

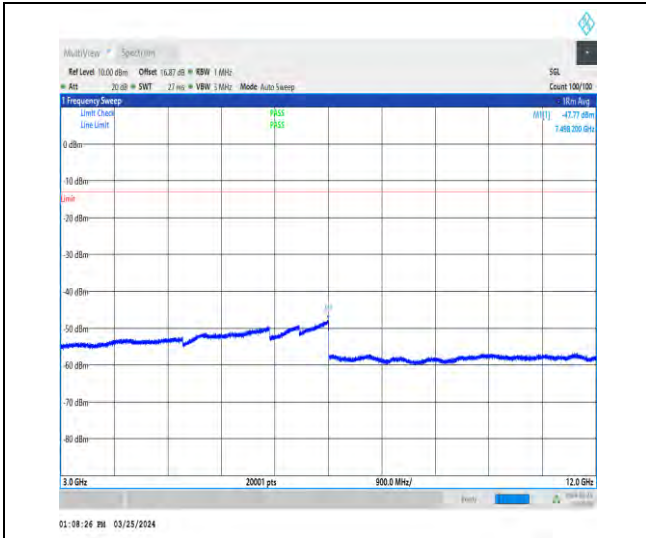


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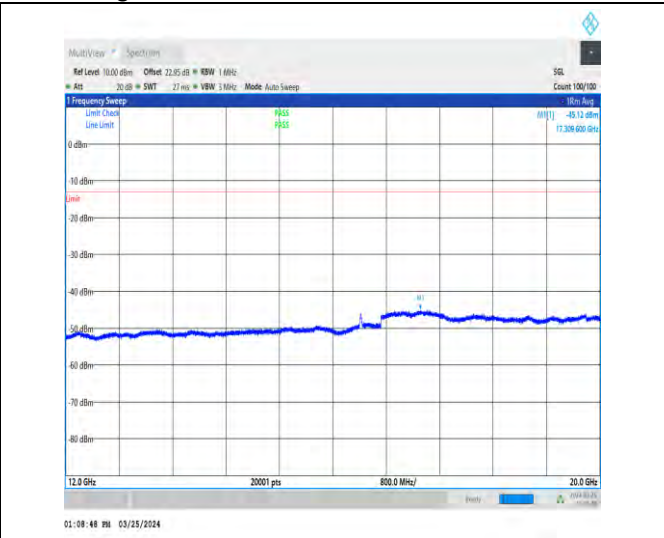
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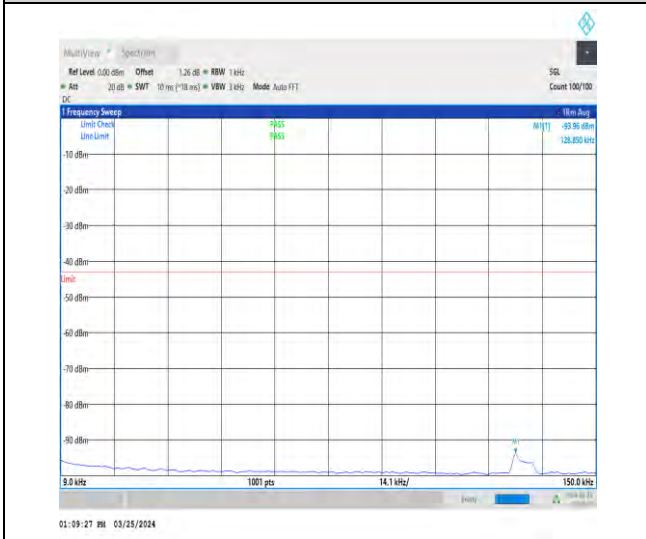
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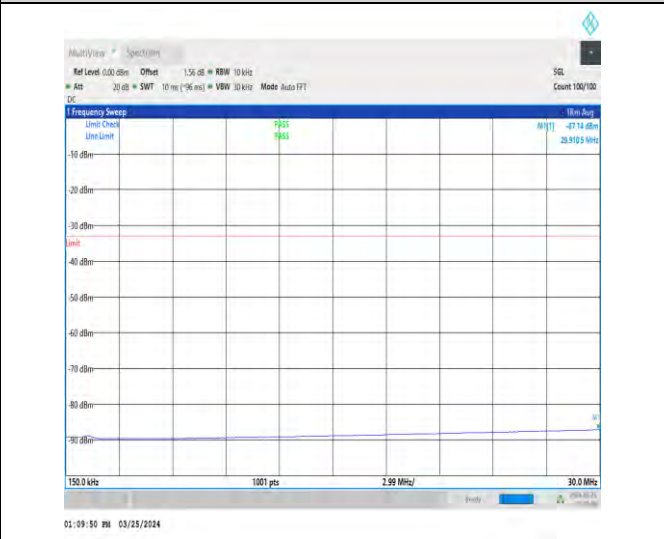
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1-3000-12000-Ant1-7428.45--47.77--13-PASS



1-N2-15-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-
12000-20000-Ant1-17613.60--45.12--13-PASS



1-N2-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-0.009-0.15-Ant1-0.13--93.96--43-PASS



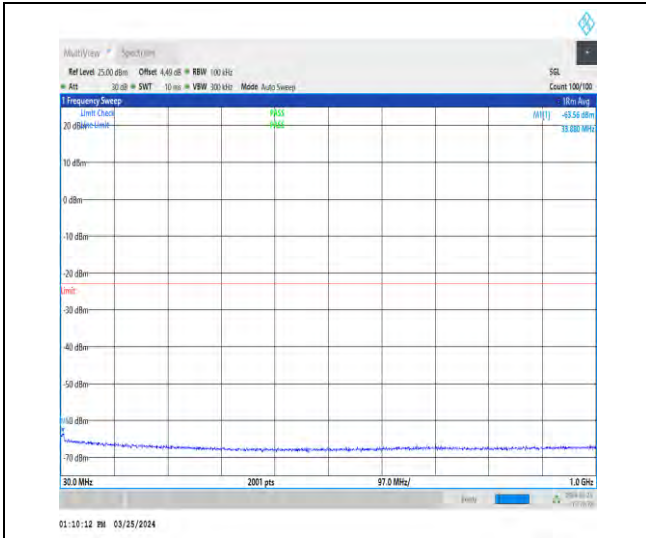
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-0.15-30-Ant1-30.00--87.14--33-PASS



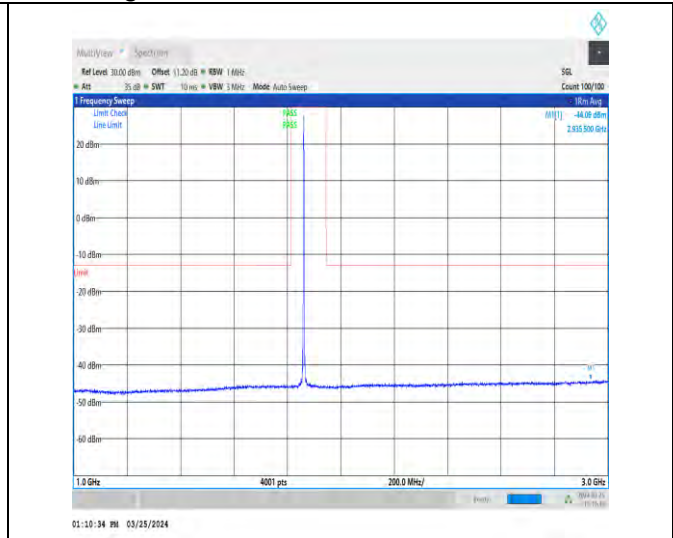
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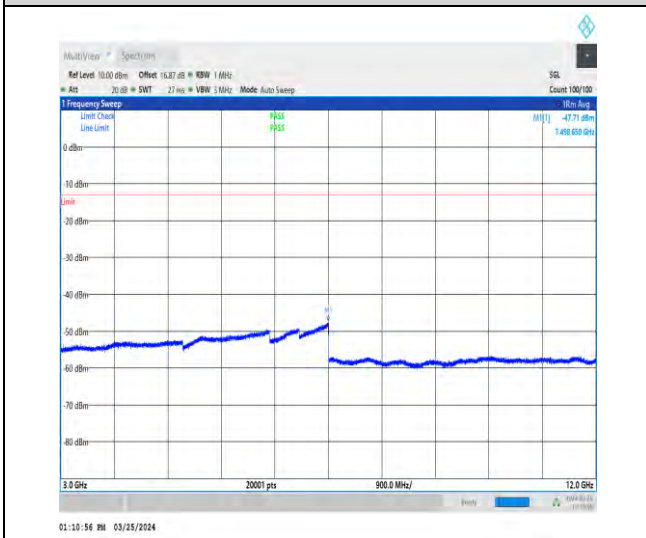
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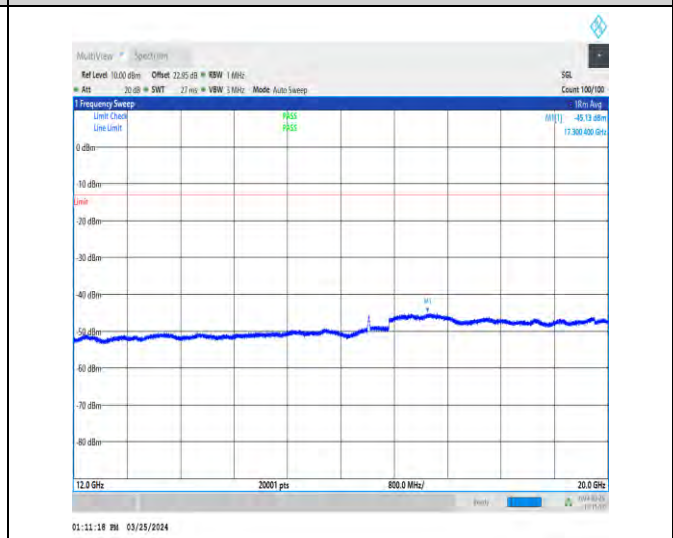
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1-30-1000-Ant1-34.37--63.56--23-PASS



1-N2-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
-1000-3000-Ant1-2960.50--44.09--13-PASS



1-N2-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant1-7493.70--47.71--13-PASS



1-N2-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@
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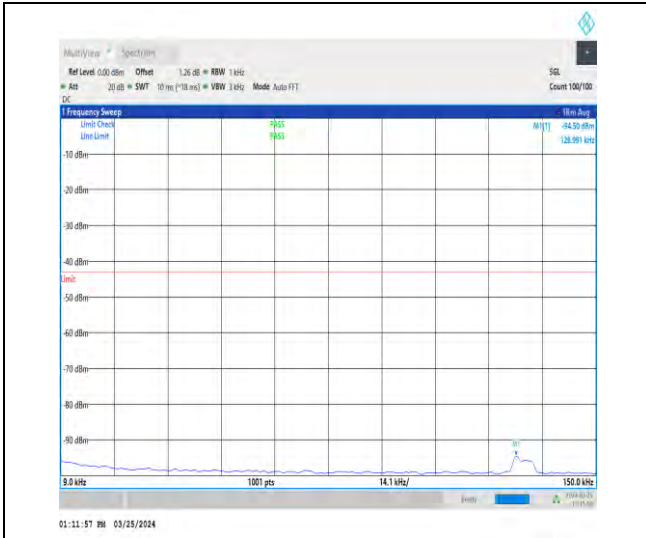


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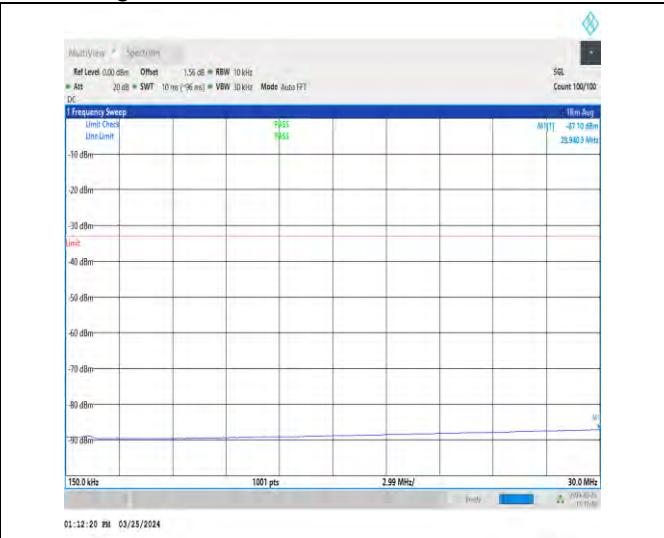
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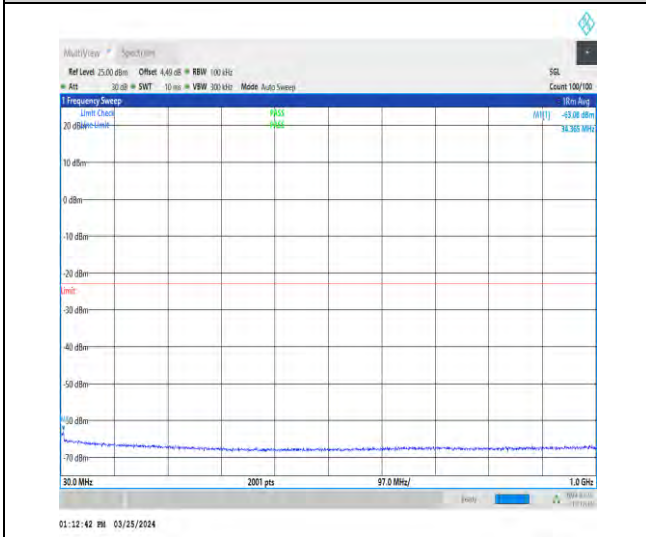
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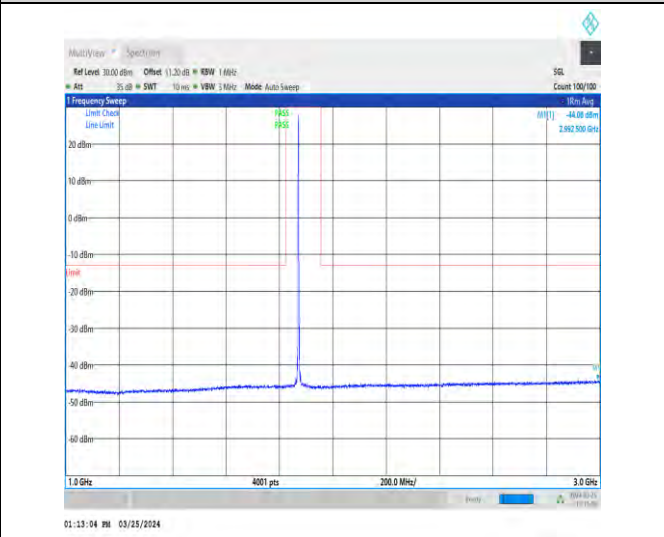
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1-0.009-0.15-Ant1-0.13--94.50--43-PASS



1-N2-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
-0.15-30-Ant1-29.94--87.10--33-PASS



1-N2-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-30-1000-Ant1-34.37--63.08--23-PASS



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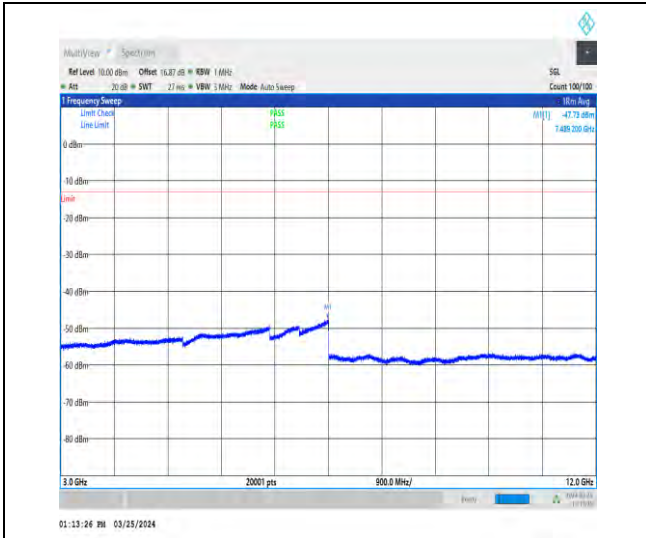


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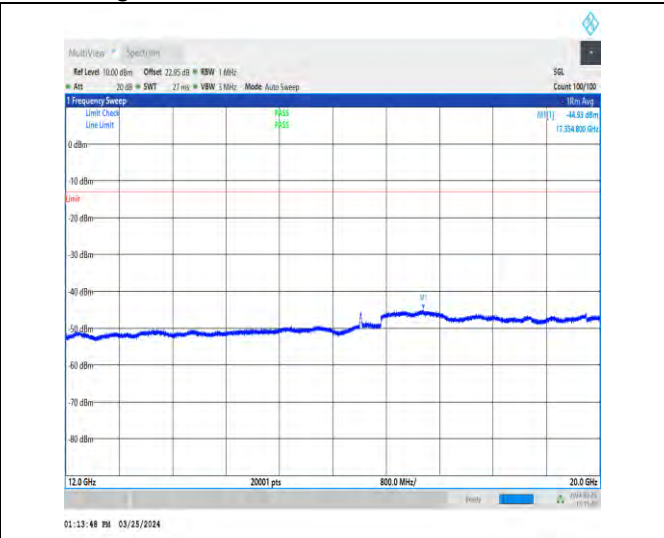
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1-N2-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
1-3000-12000-Ant1-7489.20--47.73--13-PASS



1-N2-15-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@
-12000-20000-Ant1-17354.80--44.93--13-PASS



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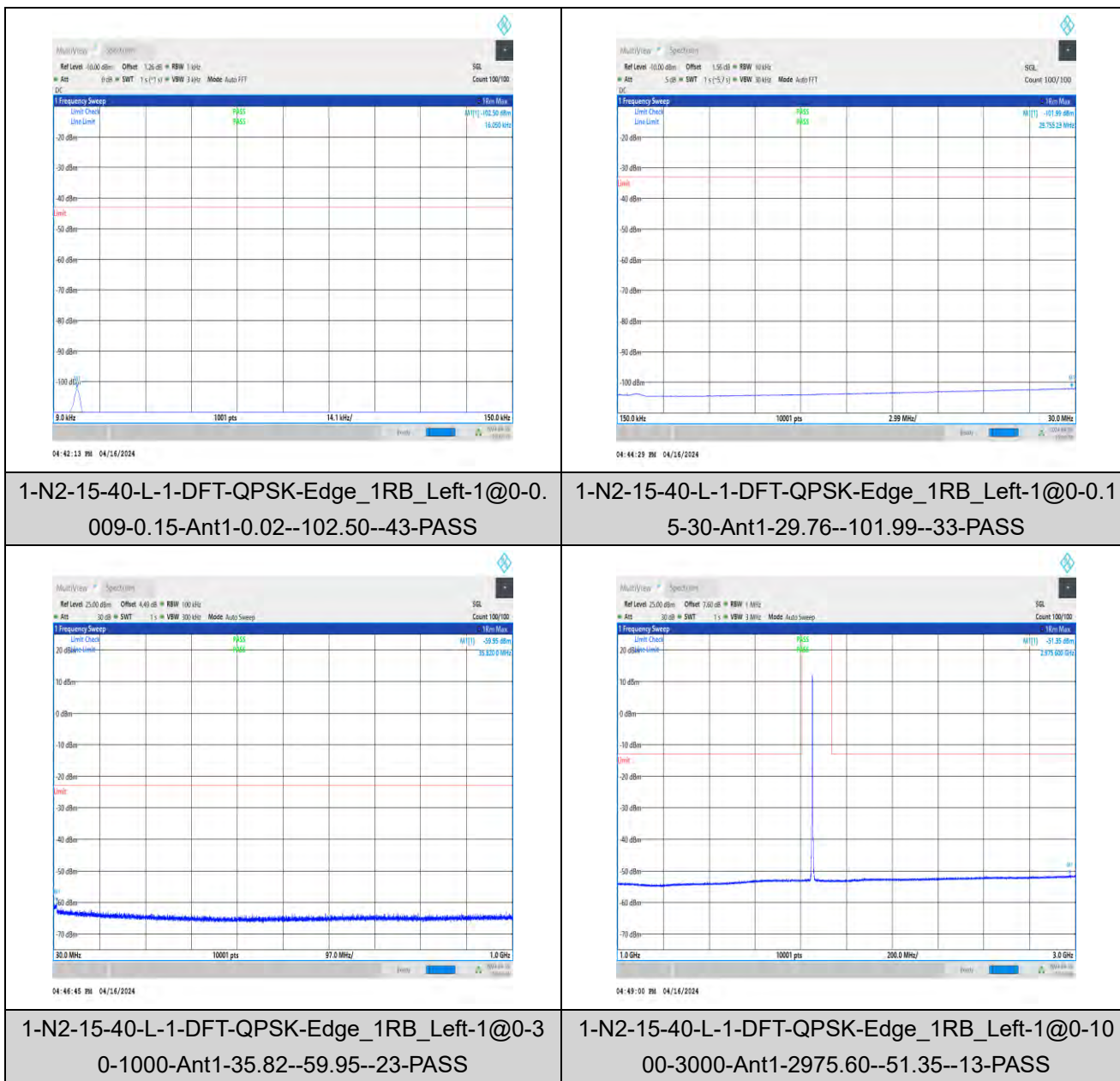
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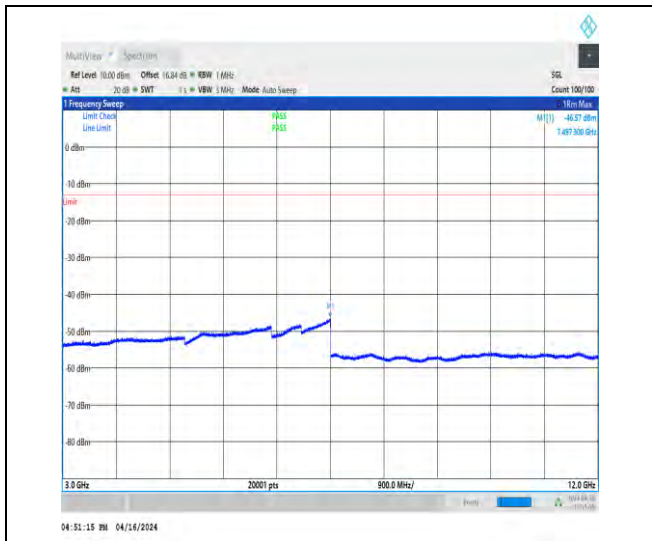
Test Graphs



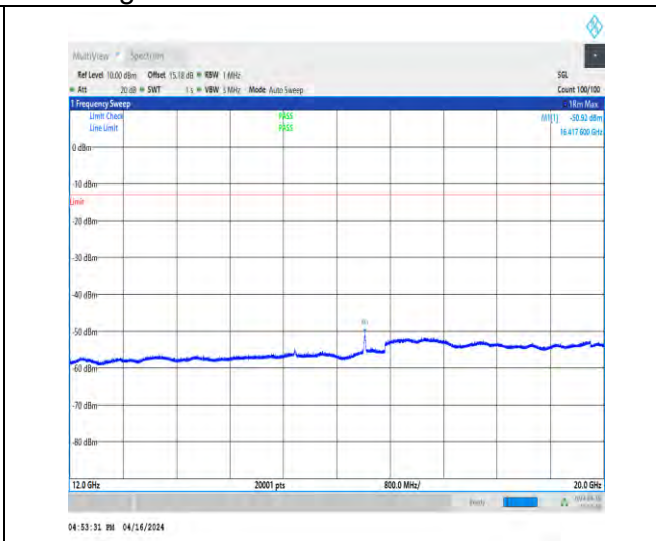
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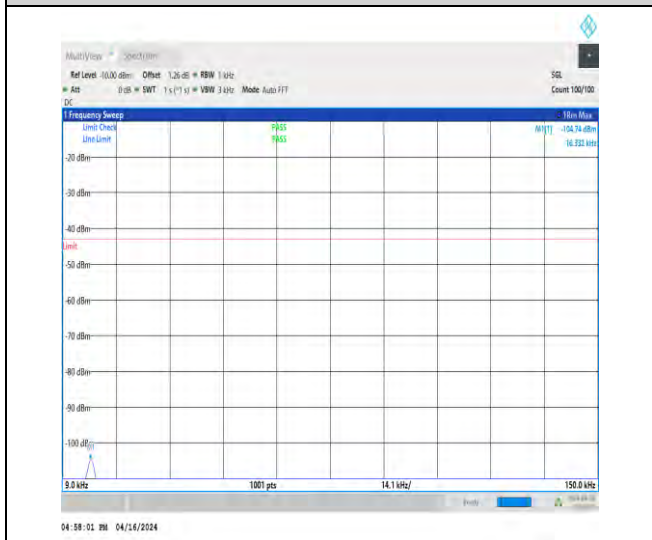
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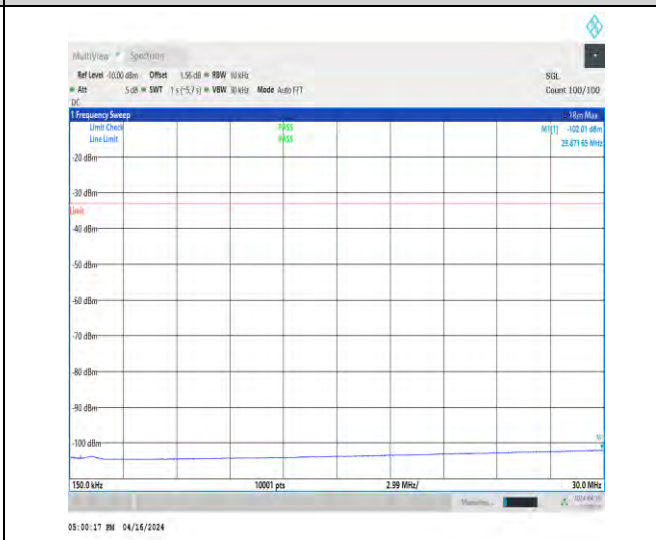
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 000-12000-Ant1-7497.30--46.57--13-PASS



1-N2-15-40-L-1-DFT-QPSK-Edge_1RB_Left-1@0-12
 000-20000-Ant1-16417.60--50.92--13-PASS



1-N2-15-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-0
 .009-0.15-Ant1-0.02--104.74--43-PASS



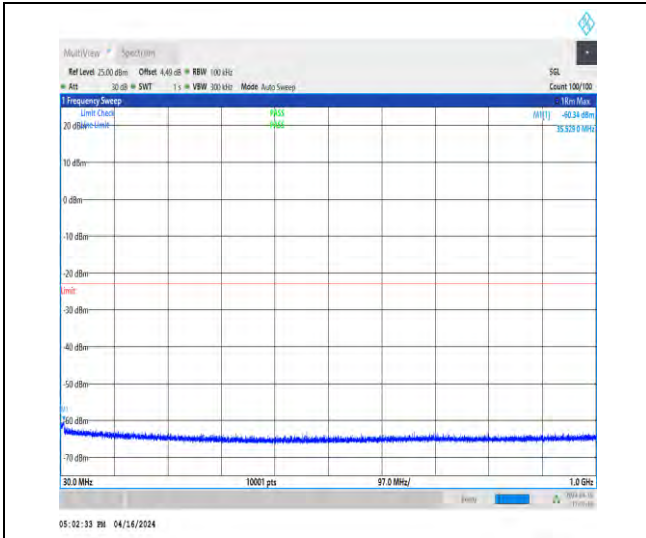
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 15-30-Ant1-29.87--102.01--33-PASS



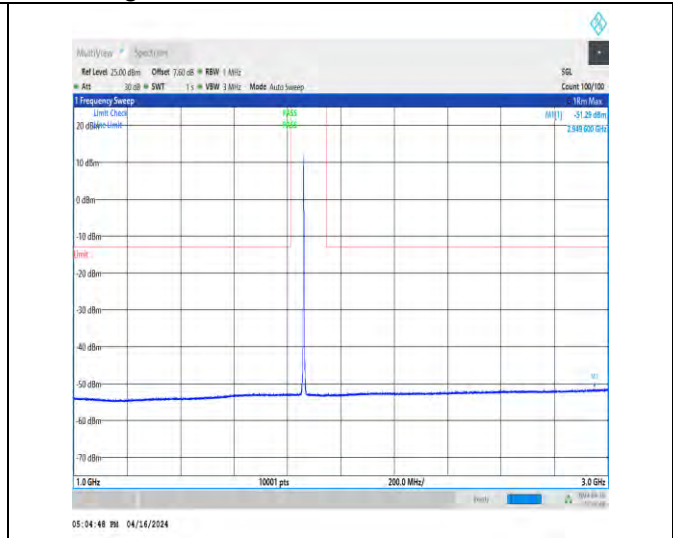
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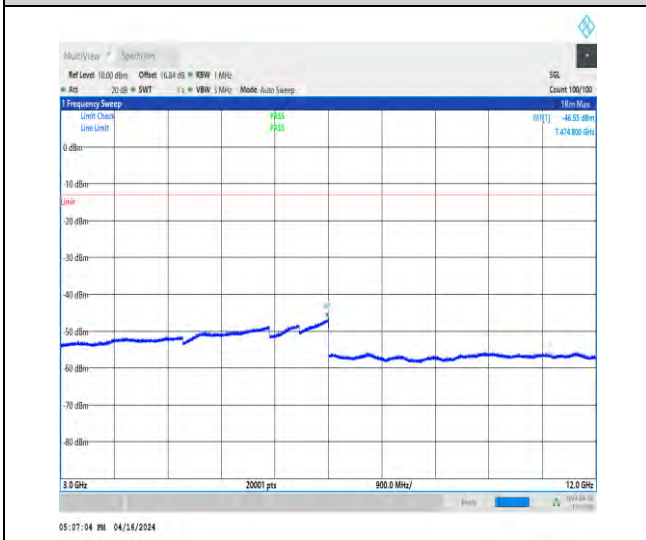
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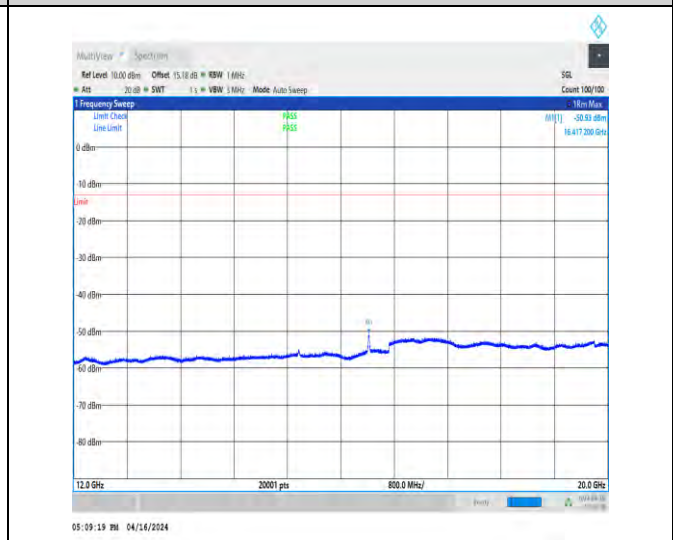
1-N2-15-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-3
0-1000-Ant1-35.53--60.34--23-PASS



1-N2-15-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-10
00-3000-Ant1-2949.60--51.29--13-PASS



1-N2-15-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-3
000-12000-Ant1-7474.80--46.55--13-PASS



1-N2-15-40-M-1-DFT-QPSK-Edge_1RB_Left-1@0-12
000-20000-Ant1-16417.20--50.93--13-PASS

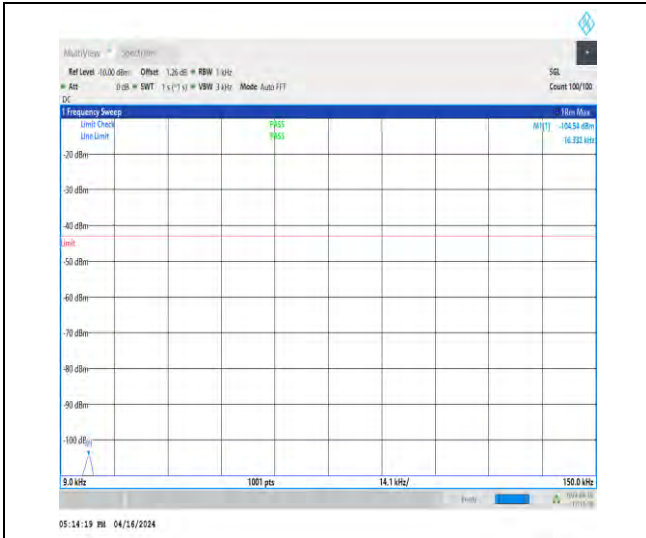


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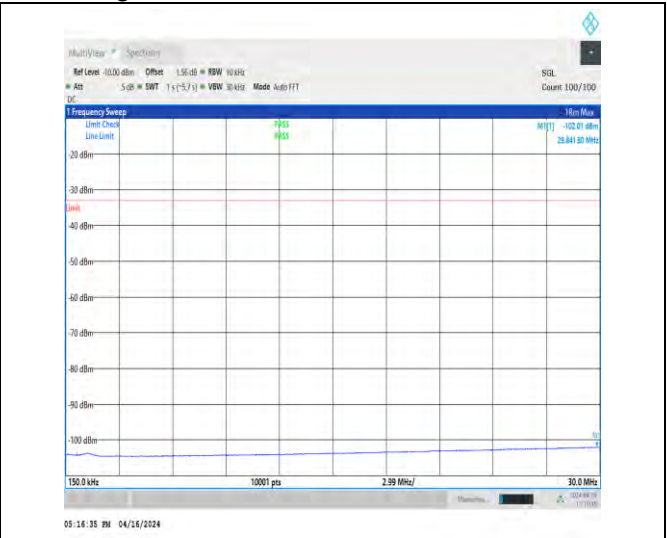
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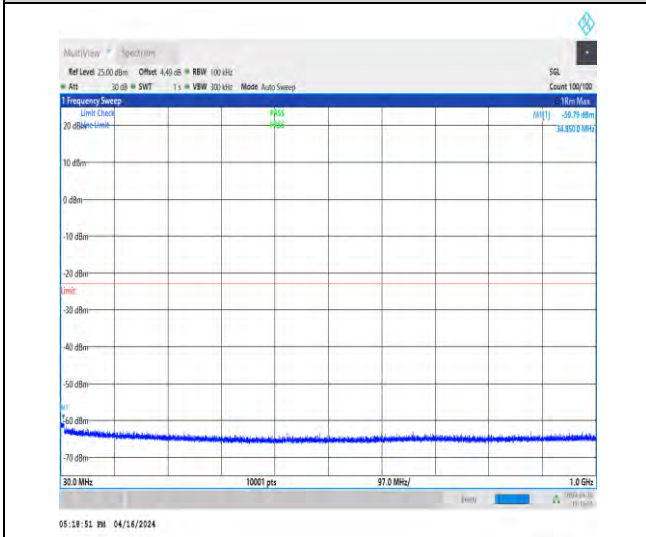
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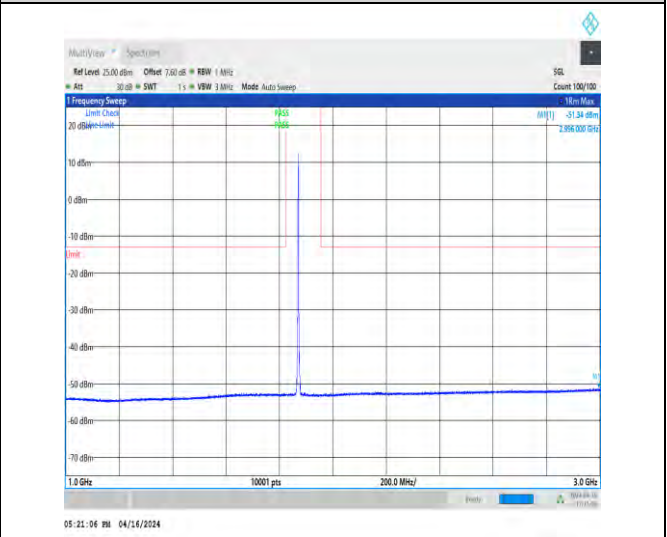
1-N2-15-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.02--104.54--43-PASS



1-N2-15-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-0.15-30-Ant1-29.84--102.01--33-PASS



1-N2-15-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-30-0-1000-Ant1-34.85--59.79--23-PASS



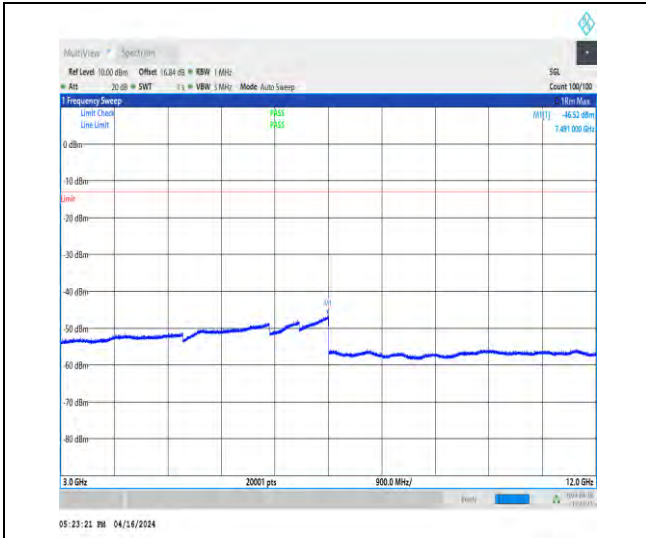
1-N2-15-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2996.00--51.34--13-PASS



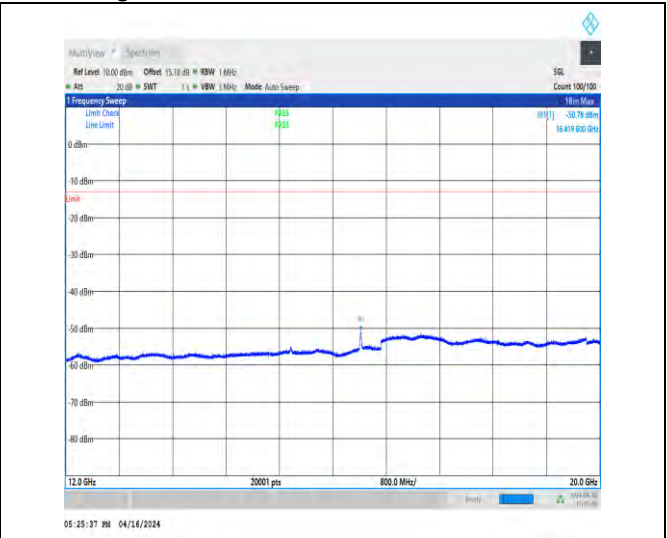
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1-N2-15-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-3
000-12000-Ant1-7491.00--46.52--13-PASS



1-N2-15-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-12
000-20000-Ant1-16419.60--50.78--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA_n2

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3701	69.19	-44.19	29.31	-40.95	-13.00	27.95	Horizontal
2	5551.5	51.62	-41.66	32.21	-53.09	-13.00	40.09	Horizontal
3	8426	43.71	-36.39	36.45	-51.49	-13.00	38.49	Horizontal
4	11987.5	45.09	-34.82	39.64	-45.35	-13.00	32.35	Horizontal
5	14794.5	42.11	-32.77	41.62	-44.30	-13.00	31.30	Horizontal
6	17993.5	41.32	-39.76	48.08	-45.62	-13.00	32.62	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3701.5	74.31	-44.19	29.31	-35.83	-13.00	22.83	Vertical
2	5551.5	60.39	-41.66	32.21	-44.32	-13.00	31.32	Vertical
3	9252.5	49.32	-35.39	37.48	-43.85	-13.00	30.85	Vertical
4	11811	44.31	-34.08	39.81	-45.22	-13.00	32.22	Vertical
5	14801	41.58	-32.49	41.59	-44.58	-13.00	31.58	Vertical
6	18000	41.62	-39.77	48.20	-45.21	-13.00	32.21	Vertical



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Test Band = SA_n2
 Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3741	68.17	-43.92	29.55	-41.46	-13.00	28.46	Horizontal
2	5611.5	53.27	-41.45	32.58	-50.86	-13.00	37.86	Horizontal
3	8401.5	43.86	-36.59	36.50	-51.49	-13.00	38.49	Horizontal
4	11297	44.14	-34.76	40.10	-45.78	-13.00	32.78	Horizontal
5	14805.5	41.79	-32.53	41.57	-44.43	-13.00	31.43	Horizontal
6	16598	41.86	-30.91	39.50	-44.81	-13.00	31.81	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3741	70.12	-43.92	29.55	-39.51	-13.00	26.51	Vertical
2	5611.5	60.76	-41.45	32.58	-43.37	-13.00	30.37	Vertical
3	7491	44.59	-38.01	36.88	-51.80	-13.00	38.80	Vertical
4	9353	48.38	-35.32	37.39	-44.81	-13.00	31.81	Vertical
5	13416	43.86	-33.28	39.65	-45.03	-13.00	32.03	Vertical
6	16490	42.36	-31.34	39.25	-44.99	-13.00	31.99	Vertical



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Test Band = SA_n2
 Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3781	71.40	-43.85	29.72	-37.99	-13.00	24.99	Horizontal
2	5672	53.29	-41.31	32.50	-50.78	-13.00	37.78	Horizontal
3	7562	46.14	-38.06	36.50	-50.68	-13.00	37.68	Horizontal
4	10663.5	43.55	-34.90	39.43	-47.18	-13.00	34.18	Horizontal
5	14804	41.59	-32.51	41.58	-44.60	-13.00	31.60	Horizontal
6	16604.5	41.96	-31.01	39.50	-44.81	-13.00	31.81	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3781	74.79	-43.85	29.72	-34.60	-13.00	21.60	Vertical
2	5671.5	59.65	-41.31	32.50	-44.42	-13.00	31.42	Vertical
3	7562	50.42	-38.06	36.50	-46.40	-13.00	33.40	Vertical
4	9452.5	48.40	-35.00	37.52	-44.34	-13.00	31.34	Vertical
5	12392.5	44.05	-34.31	39.76	-45.76	-13.00	32.76	Vertical
6	14799	41.65	-32.53	41.60	-44.54	-13.00	31.54	Vertical



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Test Band = n2 ULMIMO_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4413.75	43.20	-45.80	30.39	-67.47	-13.00	54.47	Horizontal
2	5420.25	43.30	-45.29	32.16	-65.09	-13.00	52.09	Horizontal
3	6689.25	41.36	-43.87	34.44	-63.33	-13.00	50.33	Horizontal
4	7977.75	40.87	-42.45	37.07	-59.78	-13.00	46.78	Horizontal
5	9192.75	37.83	-40.26	36.89	-60.80	-13.00	47.80	Horizontal
6	11405.25	35.42	-37.37	38.80	-58.40	-13.00	45.40	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4160.25	42.31	-45.77	29.78	-68.93	-13.00	55.93	Vertical
2	5355.75	43.58	-45.21	32.04	-64.85	-13.00	51.85	Vertical
3	6700.5	41.68	-43.81	34.46	-62.93	-13.00	49.93	Vertical
4	8097.75	39.93	-41.38	37.04	-59.67	-13.00	46.67	Vertical
5	10008	36.72	-39.23	38.50	-59.27	-13.00	46.27	Vertical
6	12120.75	34.96	-37.37	39.14	-58.53	-13.00	45.53	Vertical



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Test Band = n2 ULMIMO_ TM1

Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3951	43.07	-46.16	29.32	-69.03	-13.00	56.03	Horizontal
2	4899.75	42.49	-45.53	31.24	-67.06	-13.00	54.06	Horizontal
3	6154.5	42.07	-44.62	32.93	-64.88	-13.00	51.88	Horizontal
4	7851	40.97	-42.57	36.89	-59.97	-13.00	46.97	Horizontal
5	9507	39.21	-40.19	37.51	-58.73	-13.00	45.73	Horizontal
6	11445	34.73	-37.34	38.82	-59.05	-13.00	46.05	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3876	44.06	-46.19	29.20	-68.19	-13.00	55.19	Vertical
2	5358	43.30	-45.21	32.04	-65.13	-13.00	52.13	Vertical
3	6811.5	41.83	-44.16	34.66	-62.93	-13.00	49.93	Vertical
4	8719.5	40.54	-41.60	36.67	-59.66	-13.00	46.66	Vertical
5	11393.25	35.33	-37.37	38.80	-58.51	-13.00	45.51	Vertical
6	12670.5	34.85	-36.96	39.30	-58.07	-13.00	45.07	Vertical



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Test Band = n2 ULMIMO_ TM1

Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4329	42.43	-45.62	30.19	-68.26	-13.00	55.26	Horizontal
2	5751.75	42.13	-44.80	32.35	-65.58	-13.00	52.58	Horizontal
3	7169.25	41.47	-43.66	35.47	-61.98	-13.00	48.98	Horizontal
4	10366.5	35.77	-39.04	38.54	-59.99	-13.00	46.99	Horizontal
5	12162.75	35.36	-37.43	39.15	-58.19	-13.00	45.19	Horizontal
6	13705.5	34.15	-36.17	40.39	-56.90	-13.00	43.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3921	43.69	-46.23	29.27	-68.53	-13.00	55.53	Vertical
2	5418.75	43.20	-45.29	32.15	-65.20	-13.00	52.20	Vertical
3	7143	41.85	-43.87	35.40	-61.88	-13.00	48.88	Vertical
4	8895	39.53	-41.24	36.56	-60.41	-13.00	47.41	Vertical
5	11946	34.88	-37.34	39.07	-58.65	-13.00	45.65	Vertical
6	14990.25	33.00	-34.64	41.59	-55.30	-13.00	42.30	Vertical



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Test Band = NSA_B48+n2

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2649.5	28.63	-15.91	27.90	-54.64	-13.00	41.64	Horizontal
2	3701	26.89	-14.38	29.31	-53.44	-13.00	40.44	Horizontal
3	5551.5	21.23	-11.44	32.21	-53.26	-13.00	40.26	Horizontal
4	7245.66	58.60	-38.80	36.33	-39.13	-13.00	26.13	Horizontal
5	10868.62	49.10	-35.47	40.01	-41.62	-13.00	28.62	Horizontal
6	14491.58	52.89	-32.16	41.60	-32.93	-13.00	19.93	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2792.5	25.49	-15.23	28.27	-56.73	-13.00	43.73	Vertical
2	3701	30.84	-14.38	29.31	-49.49	-13.00	36.49	Vertical
3	5551.5	25.72	-11.44	32.21	-48.77	-13.00	35.77	Vertical
4	7245.66	63.40	-38.80	36.33	-34.33	-13.00	21.33	Vertical
5	10868.62	52.76	-35.47	40.01	-37.96	-13.00	24.96	Vertical
6	14491.58	52.27	-32.16	41.60	-33.55	-13.00	20.55	Vertical



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Member of the SGS Group (SGS SA)

Test Band = NSA_B48+n2

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3741	30.34	-14.15	29.55	-49.52	-13.00	36.52	Horizontal
2	5611.5	23.20	-11.52	32.58	-51.00	-13.00	38.00	Horizontal
3	7245.66	57.53	-38.80	36.33	-40.20	-13.00	27.20	Horizontal
4	7482.1	45.93	-38.43	36.86	-50.90	-13.00	37.90	Horizontal
5	10868.16	49.17	-35.47	40.01	-41.55	-13.00	28.55	Horizontal
6	14491.12	55.73	-32.17	41.60	-30.10	-13.00	17.10	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3741	33.49	-14.15	29.55	-46.37	-13.00	33.37	Vertical
2	5611.5	31.37	-11.52	32.58	-42.83	-13.00	29.83	Vertical
3	7245.66	62.12	-38.80	36.33	-35.61	-13.00	22.61	Vertical
4	7482.1	51.16	-38.43	36.86	-45.67	-13.00	32.67	Vertical
5	10868.62	55.00	-35.47	40.01	-35.72	-13.00	22.72	Vertical
6	14491.58	55.65	-32.16	41.60	-30.17	-13.00	17.17	Vertical



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Test Band = NSA_B48+n2

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3781	28.84	-14.11	29.72	-50.81	-13.00	37.81	Horizontal
2	5671.5	24.02	-11.53	32.50	-50.27	-13.00	37.27	Horizontal
3	7245.66	56.74	-38.80	36.33	-40.99	-13.00	27.99	Horizontal
4	7562.14	45.28	-38.47	36.50	-51.95	-13.00	38.95	Horizontal
5	10868.62	48.32	-35.47	40.01	-42.40	-13.00	29.40	Horizontal
6	14491.12	53.09	-32.17	41.60	-32.74	-13.00	19.74	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3781	34.21	-14.11	29.72	-45.44	-13.00	32.44	Vertical
2	5671.5	28.62	-11.53	32.50	-45.67	-13.00	32.67	Vertical
3	7245.66	63.66	-38.80	36.33	-34.07	-13.00	21.07	Vertical
4	7562.14	54.04	-38.47	36.50	-43.19	-13.00	30.19	Vertical
5	10868.62	54.97	-35.47	40.01	-35.75	-13.00	22.75	Vertical
6	14491.58	54.35	-32.16	41.60	-31.47	-13.00	18.47	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
N2	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	4.000000	0.002128	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	3.300000	0.001755	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	0.400000	0.000213	PASS
N2	15	40	CP-QPSK	M	Outer_Full	VH	NT	0.400000	0.000213	PASS
N2	15	40	CP-QPSK	M	Outer_Full	VN	NT	5.700000	0.003032	PASS
N2	15	40	CP-QPSK	M	Outer_Full	VL	NT	3.700000	0.001968	PASS



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Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-0.300000	-0.000160	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	1.200000	0.000638	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	2.300000	0.001223	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-0.500000	-0.000266	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	3.400000	0.001809	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	0.400000	0.000213	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-0.700000	-0.000372	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	0.900000	0.000479	PASS
N2	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-0.900000	-0.000479	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	-30	1.100000	0.000585	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	-20	3.800000	0.002021	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	-10	2.600000	0.001383	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	0	4.100000	0.002181	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	10	2.400000	0.001277	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	20	6.100000	0.003245	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	30	2.700000	0.001436	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	40	3.900000	0.002074	PASS
N2	15	40	CP-QPSK	M	Outer_Full	NV	50	3.900000	0.002074	PASS

---End of Attachment---



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