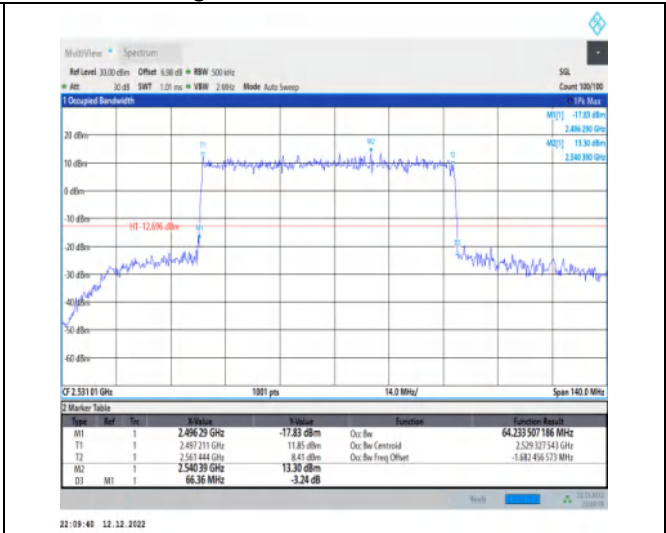
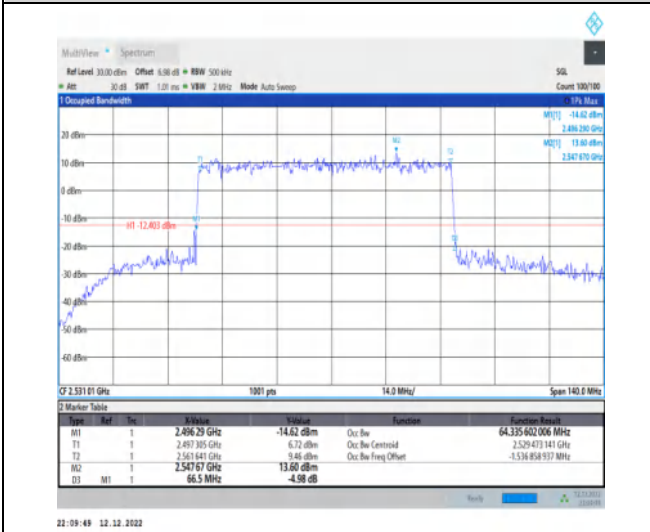


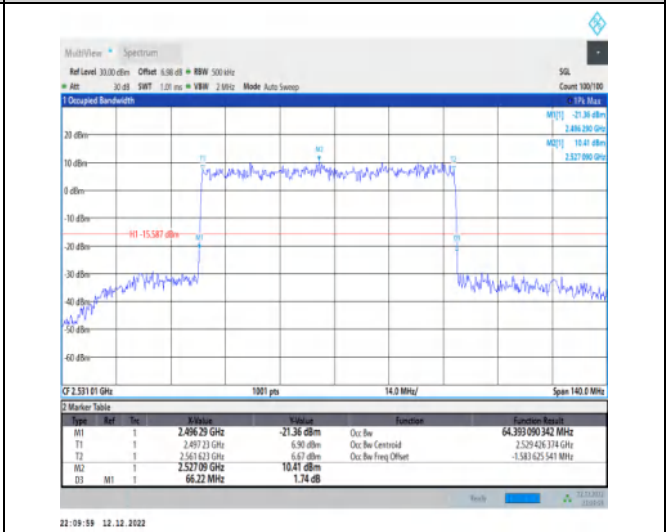
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1-N41-30-70-L-3-DFT-16QAM-Outer\_Full-180@0-Ant1-64.234-66.360-<=70-PASS



1-N41-30-70-L-4-DFT-64QAM-Outer\_Full-180@0-Ant1-64.336-66.500-<=70-PASS



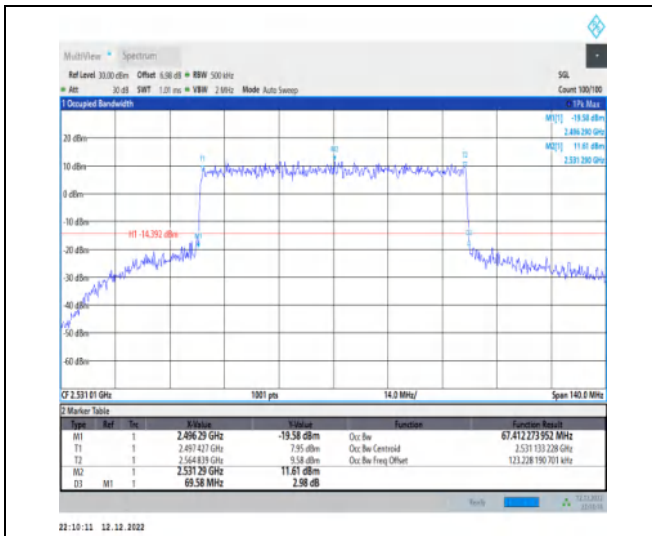
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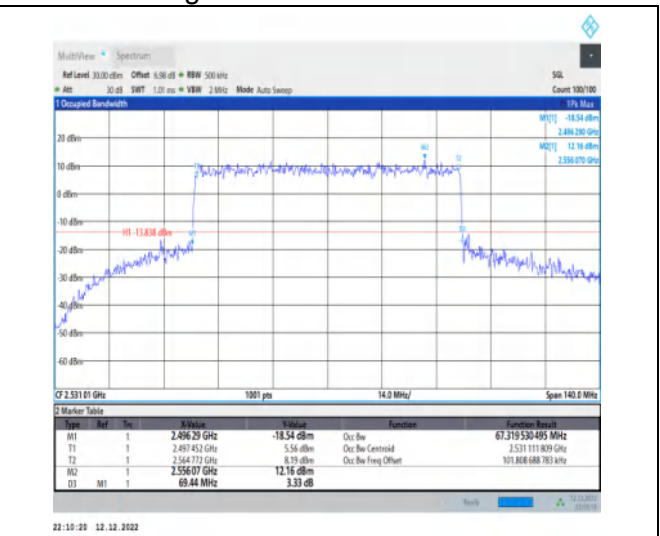
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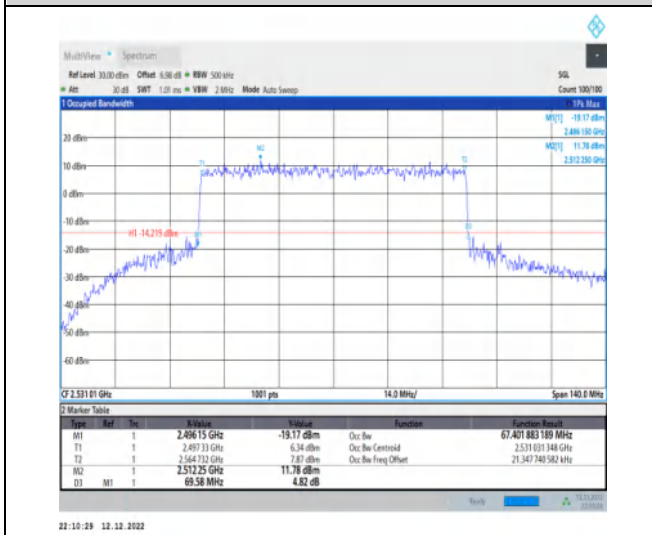
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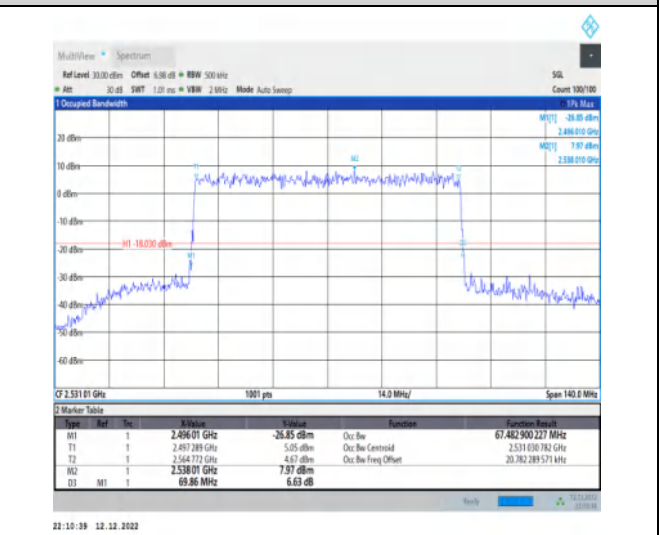
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-67.412-69.580-≤70-PASS



1-N41-30-70-L-7-CP-16QAM-Outer\_Full-189@0-Ant1  
1-67.32-69.440-≤70-PASS



1-N41-30-70-L-8-CP-64QAM-Outer\_Full-189@0-Ant1  
1-67.402-69.580-≤70-PASS



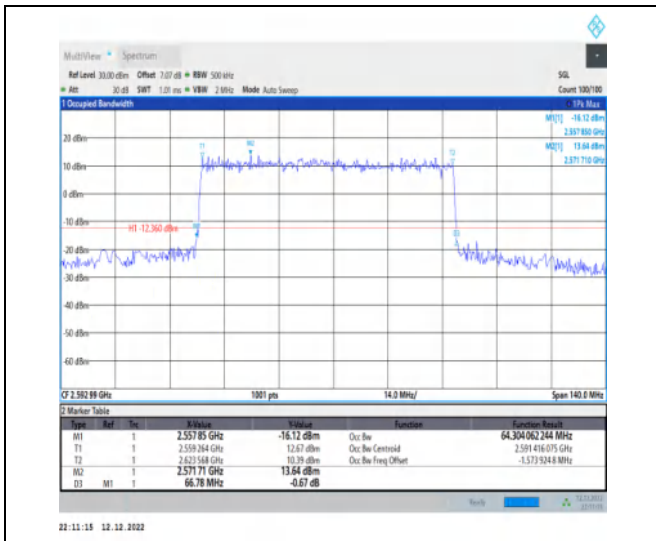
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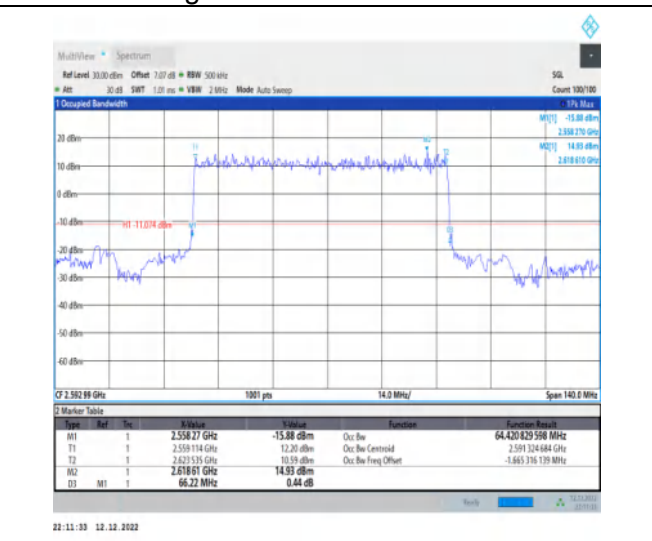
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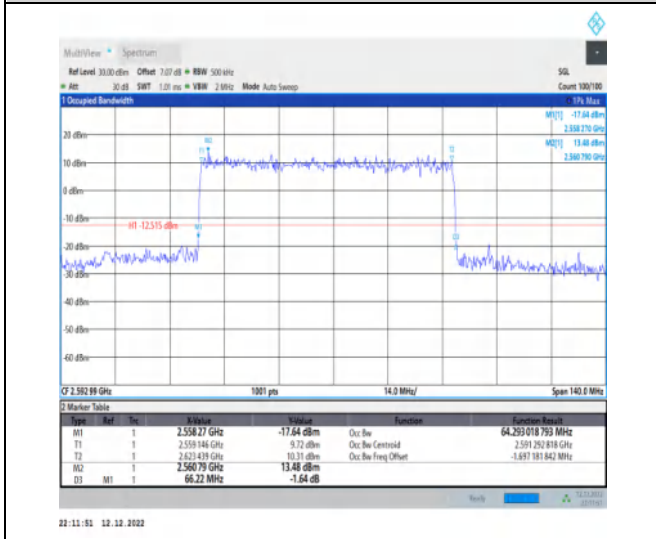
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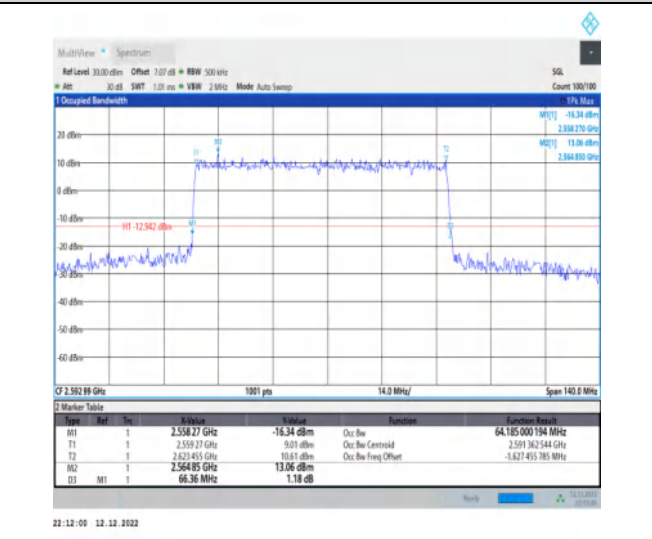
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 1-64.421-66.220-≤70-PASS

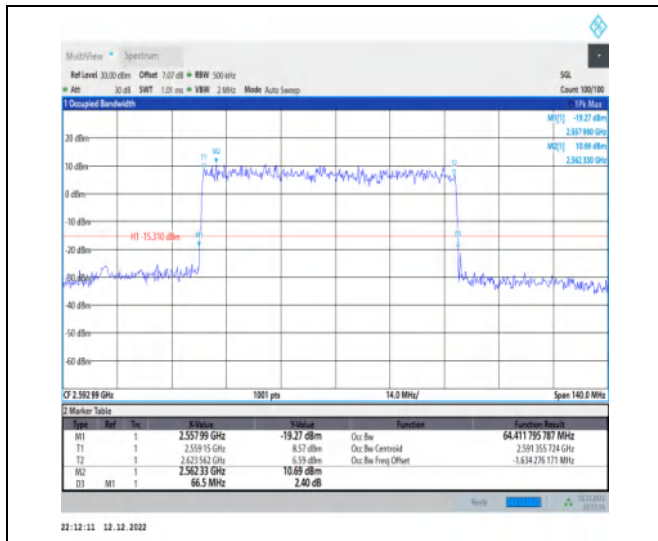


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 1-64.293-66.220-≤70-PASS



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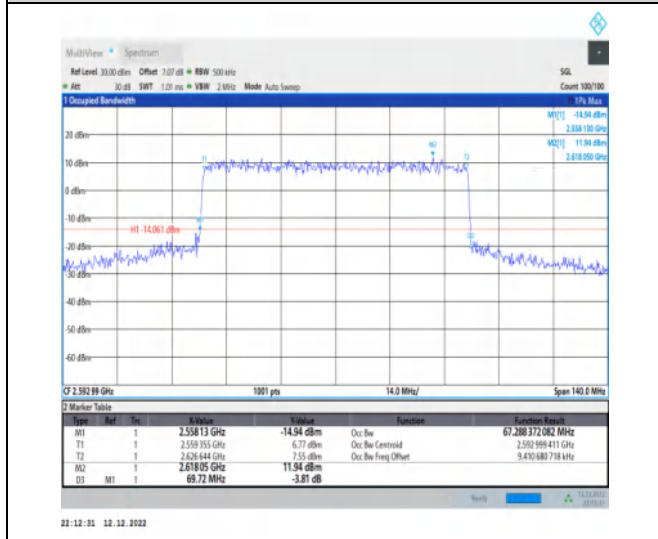




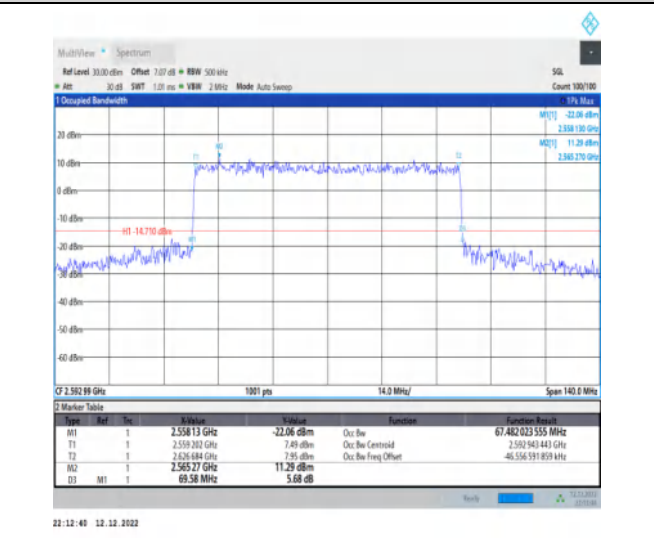
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1-N41-30-70-M-7-CP-16QAM-Outer\_Full-189@0-Ant1-67.288-69.720-≤70-PASS



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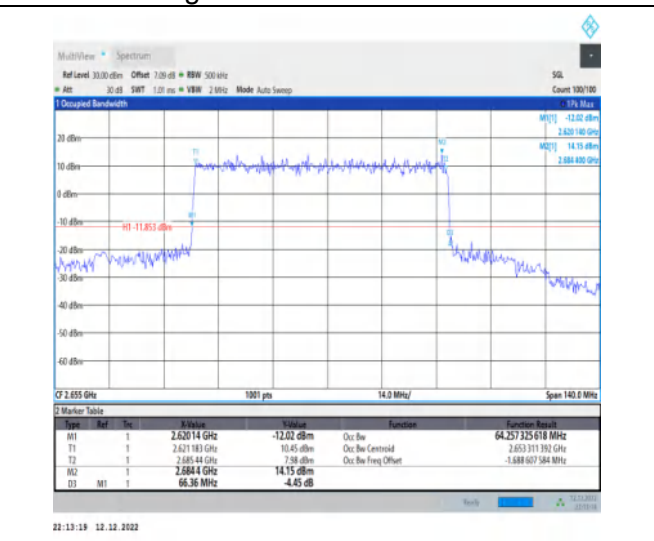


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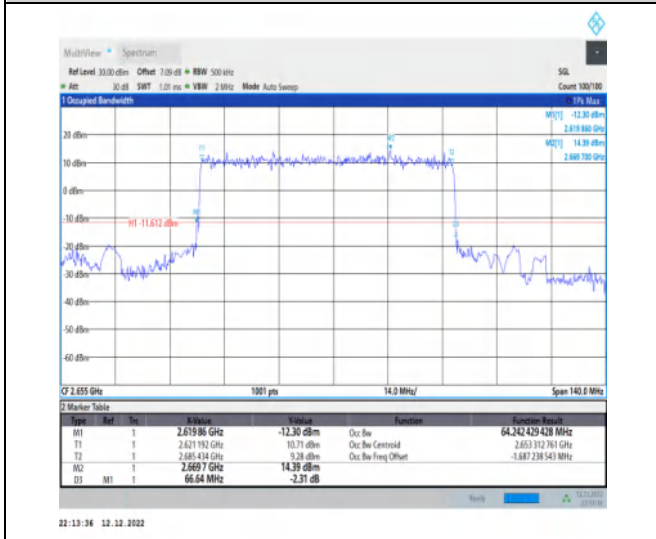
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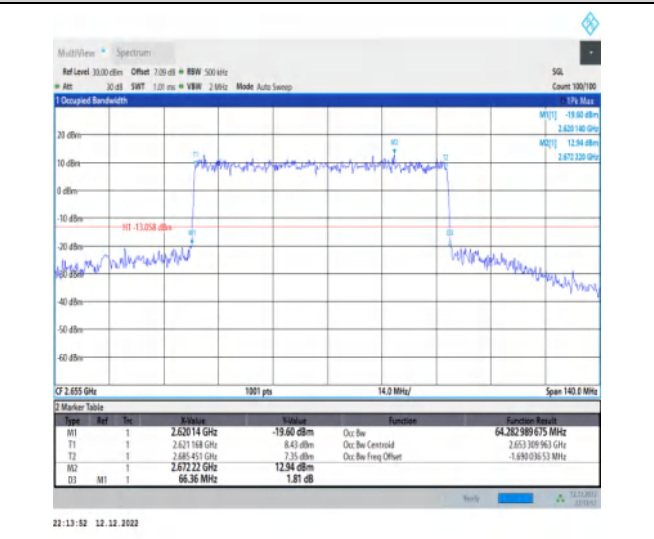
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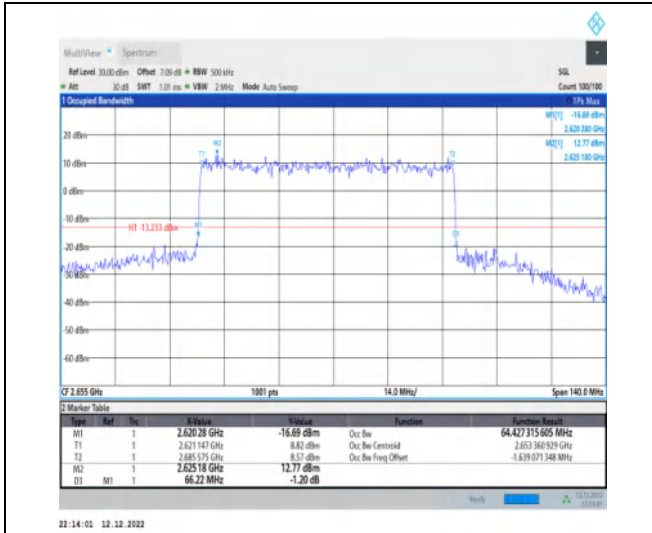


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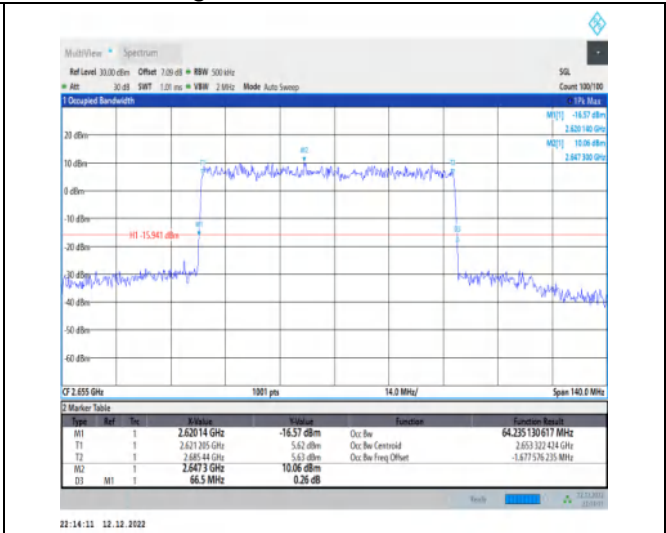


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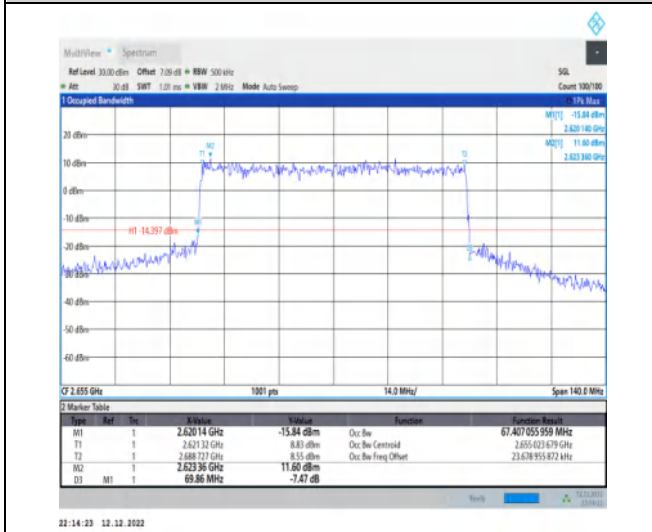




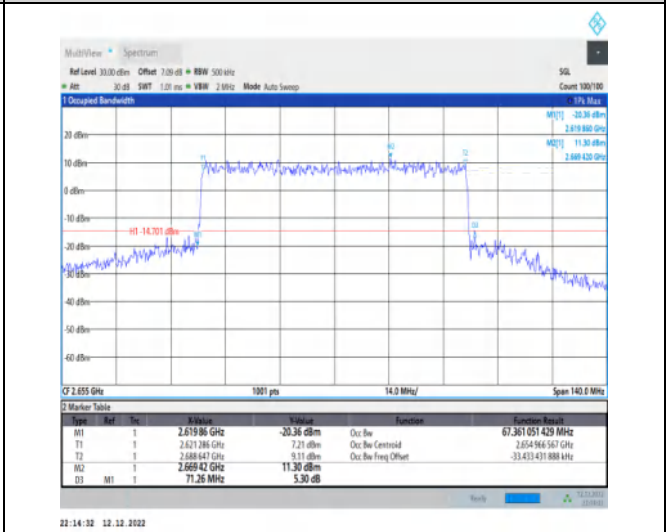
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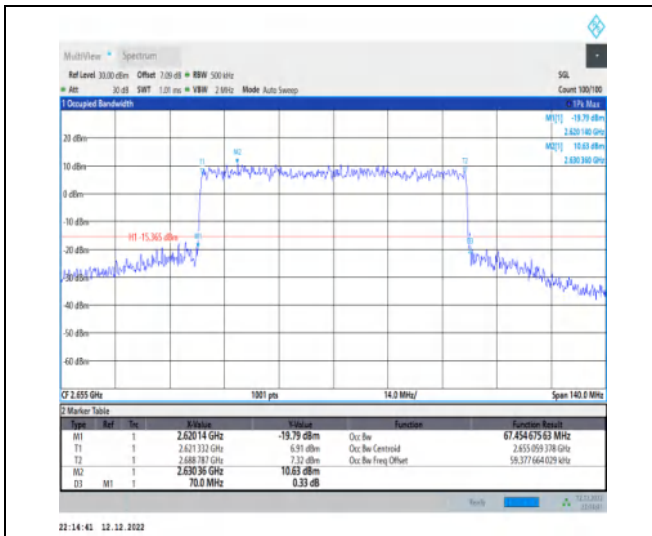
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1-67.361-71.260- $\leq 70$ -PASS



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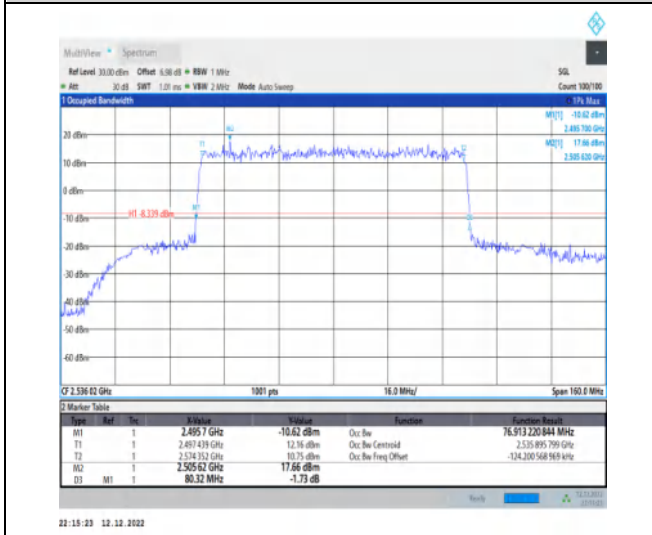
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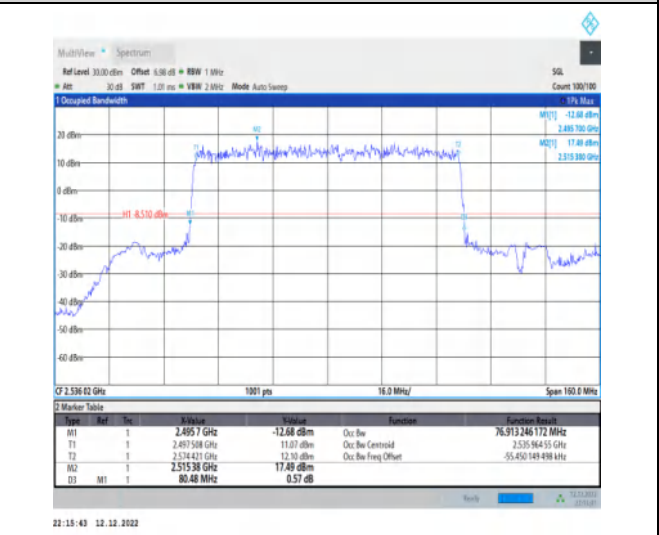
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1-N41-30-70-H-9-CP-256QAM-Outer\_Full-189@0-Ant  
1-67.42-69.580-≤70-PASS



1-N41-30-80-L-1-DFT-QPSK-Outer\_Full-216@0-Ant  
1-76.913-80.320-≤80-PASS



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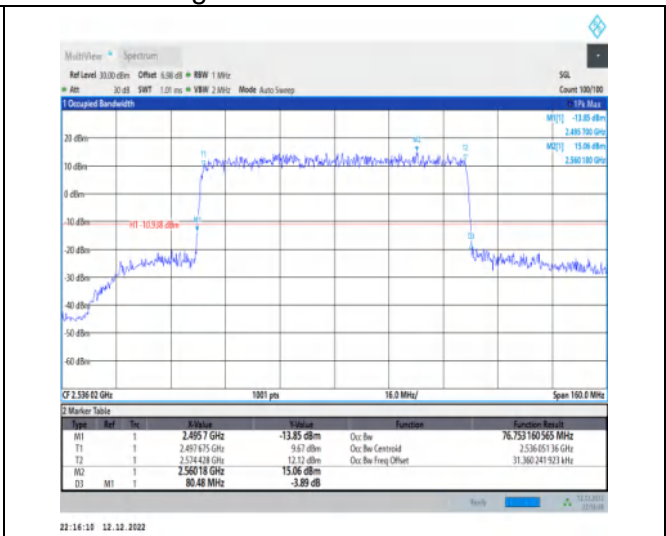
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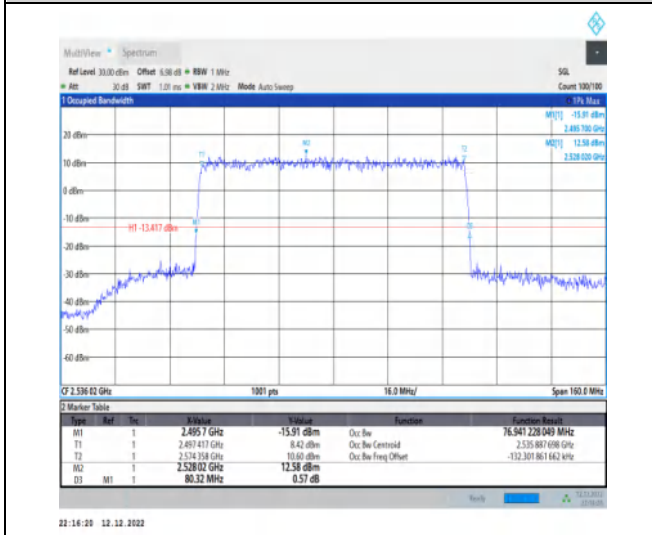
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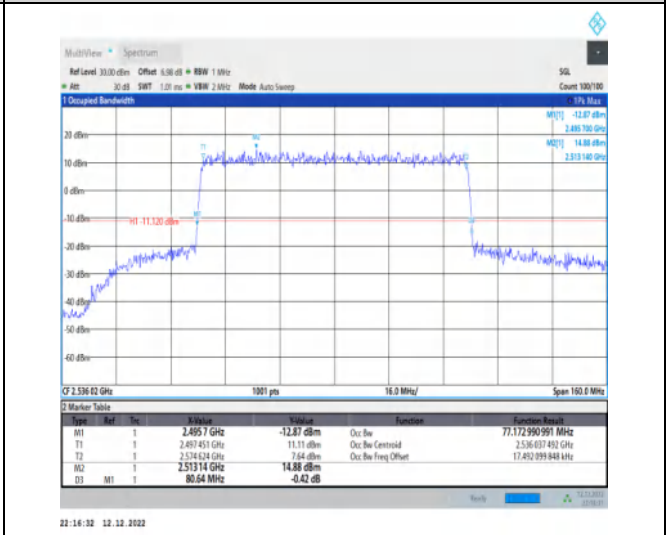
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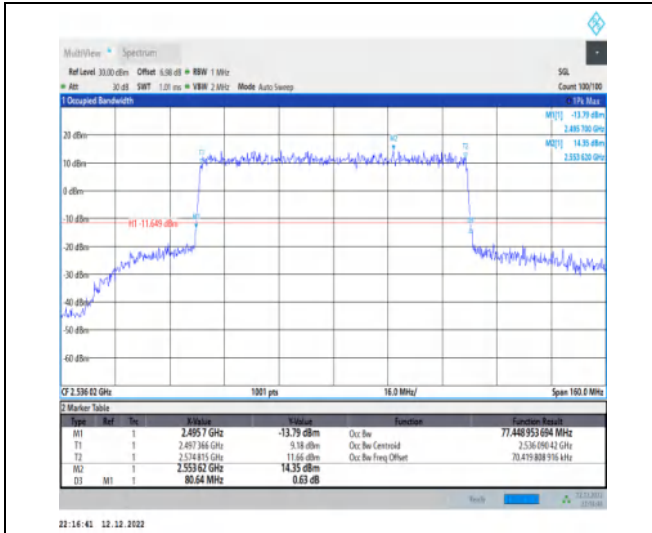


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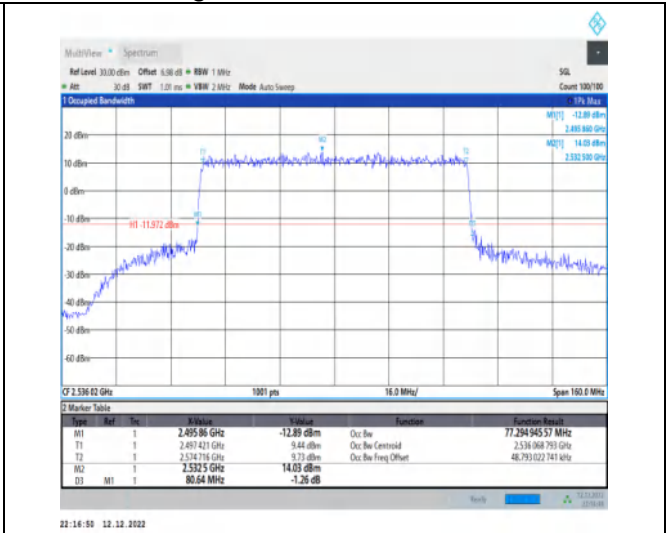
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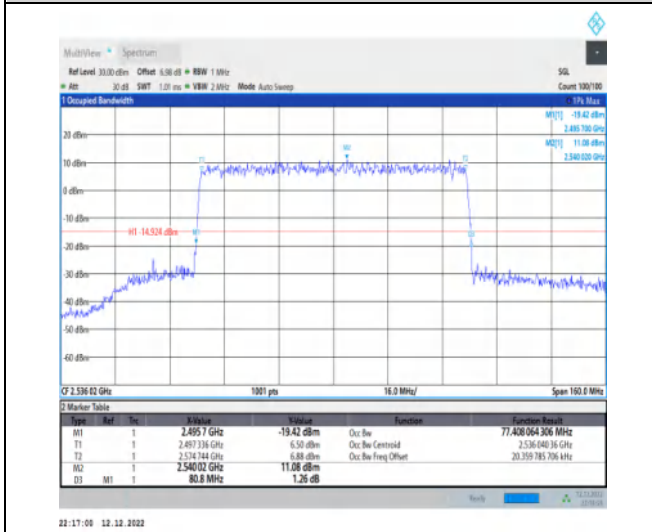




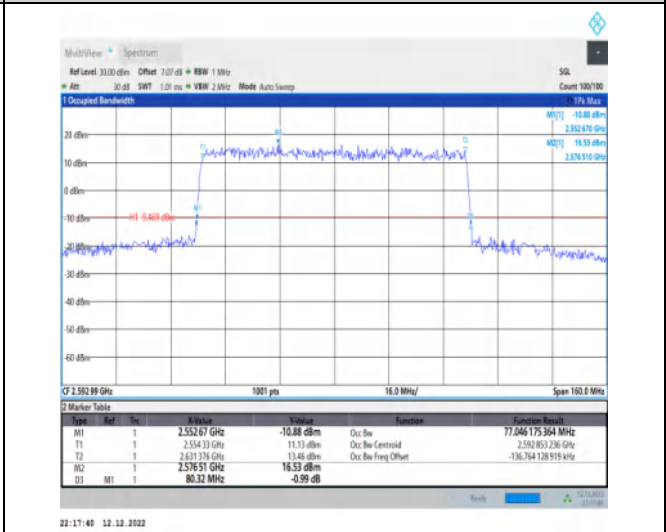
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1-77.295-80.640-≤80-PASS



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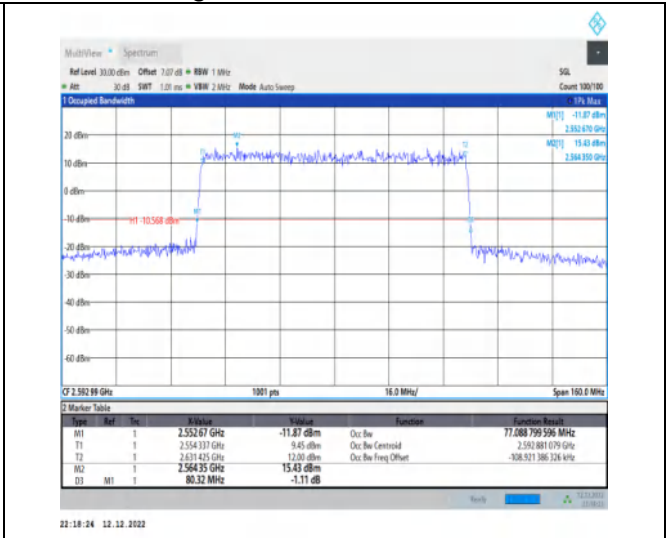
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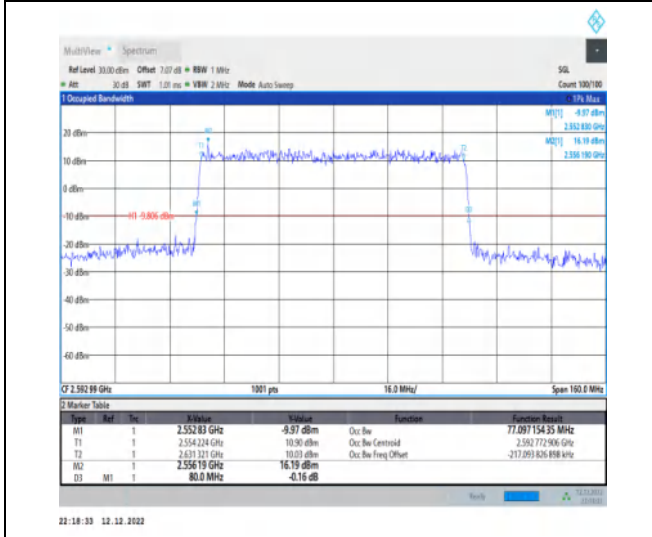
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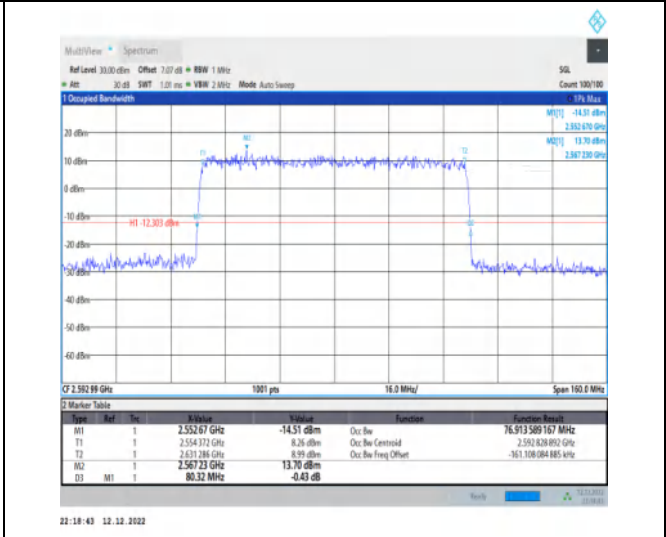
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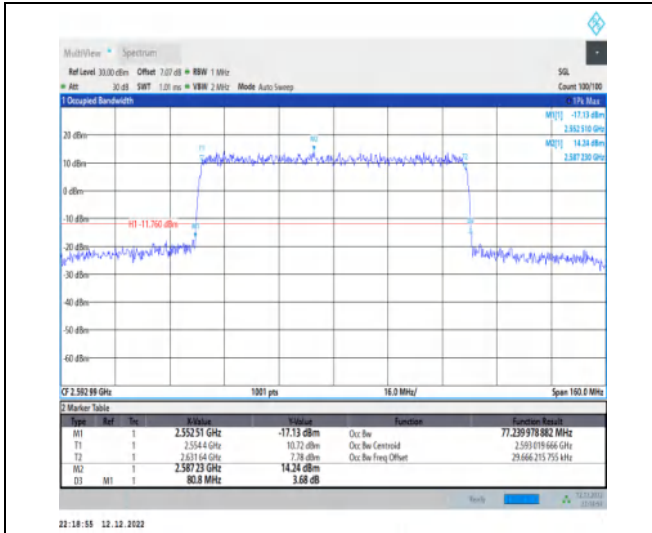
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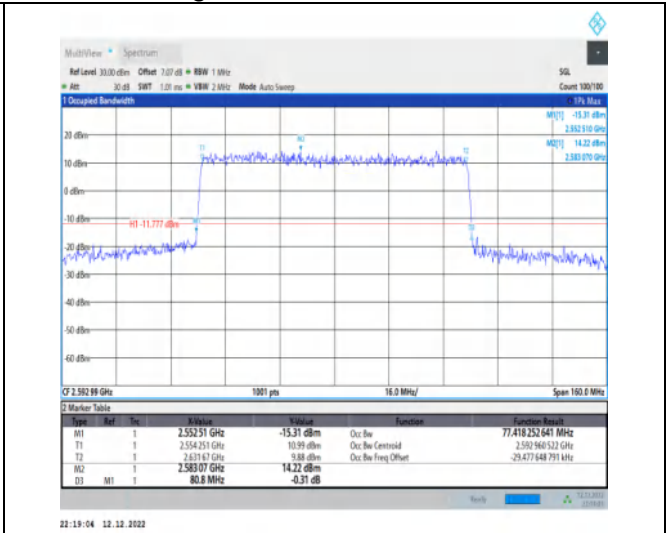
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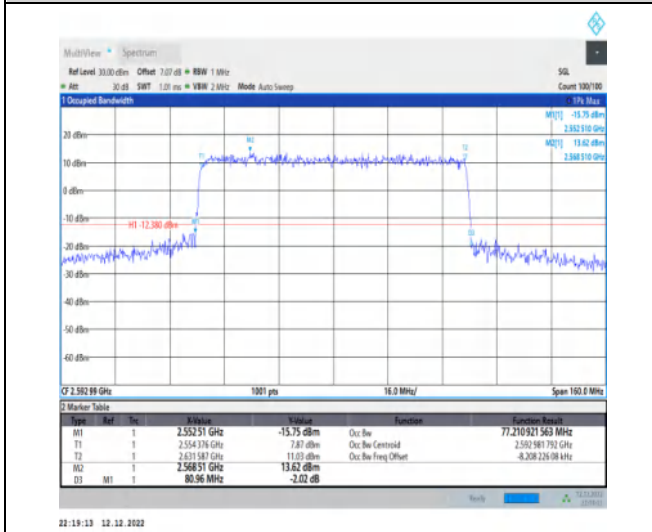
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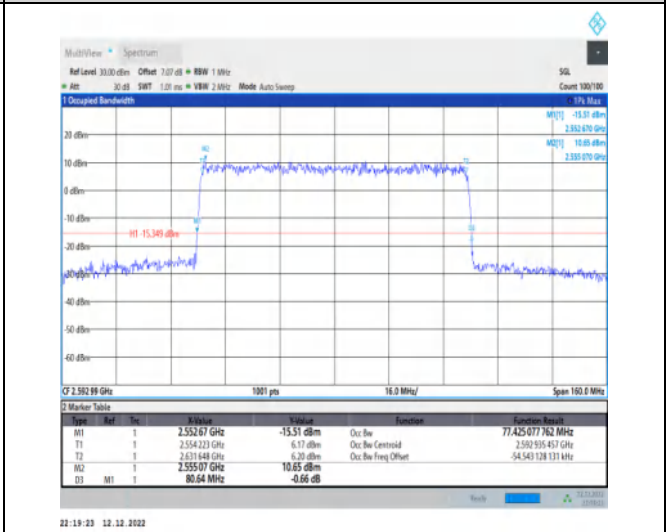
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1-77.24-80.800-≤80-PASS



1-N41-30-80-M-7-CP-16QAM-Outer\_Full-217@0-Ant  
1-77.418-80.800-≤80-PASS



1-N41-30-80-M-8-CP-64QAM-Outer\_Full-217@0-Ant  
t1-77.211-80.960-≤80-PASS



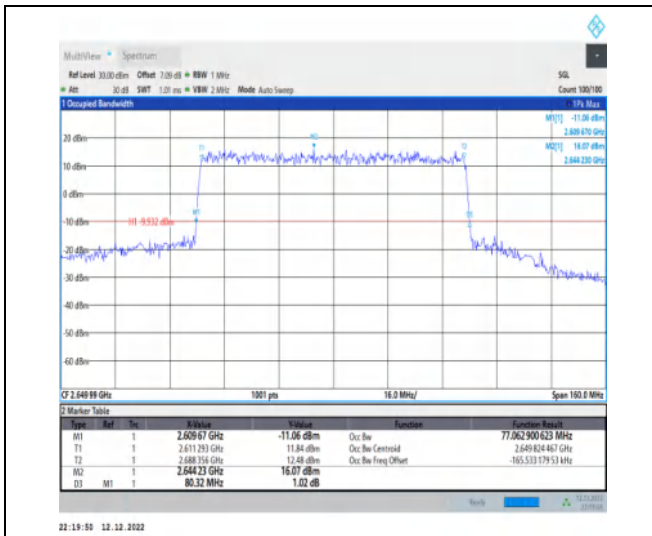
1-N41-30-80-M-9-CP-256QAM-Outer\_Full-217@0-Ant  
nt1-77.425-80.640-≤80-PASS



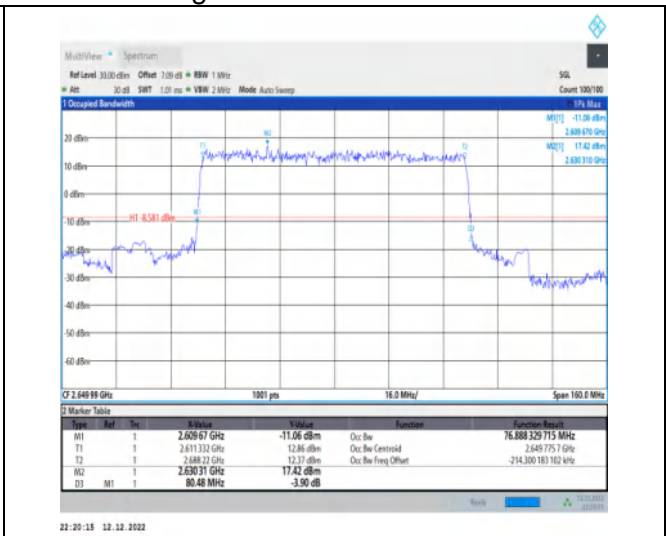
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1-N41-30-80-H-1-DFT-QPSK-Outer\_Full-216@0-Ant  
1-77.063-80.320≤80-PASS



1-N41-30-80-H-2-DFT-PI2BPSK-Outer\_Full-216@0-Ant  
1-76.888-80.480≤80-PASS



1-N41-30-80-H-3-DFT-16QAM-Outer\_Full-216@0-Ant  
1-77.046-80.480≤80-PASS



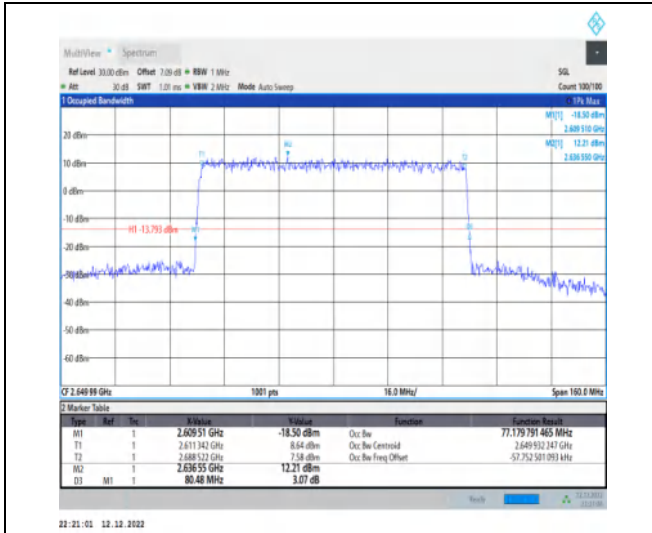
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1-77.067-80.320≤80-PASS



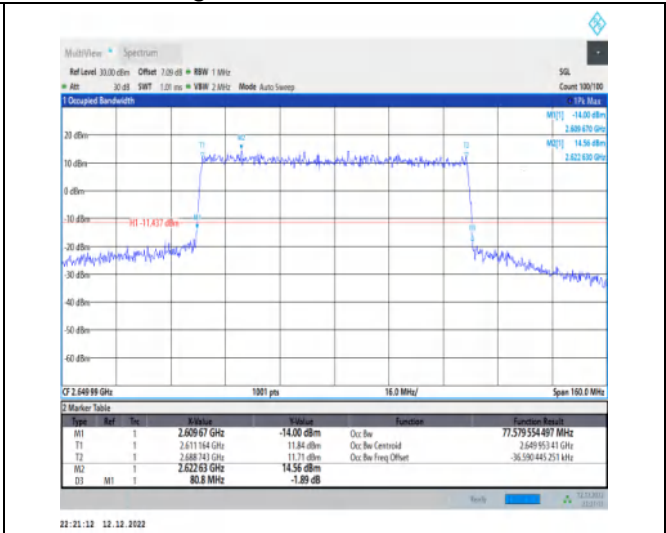
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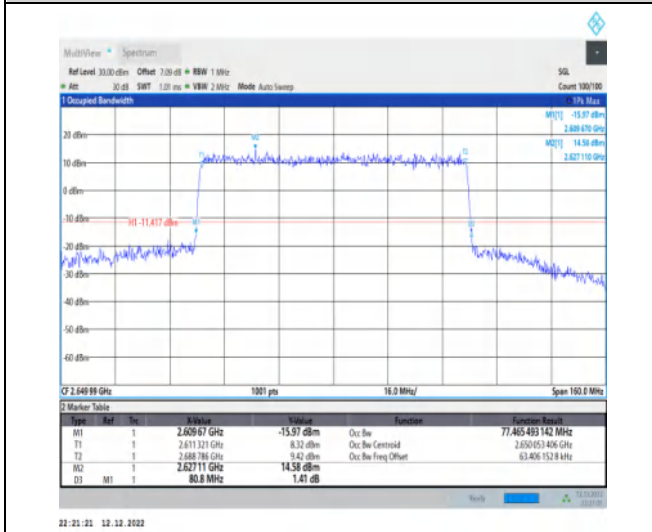
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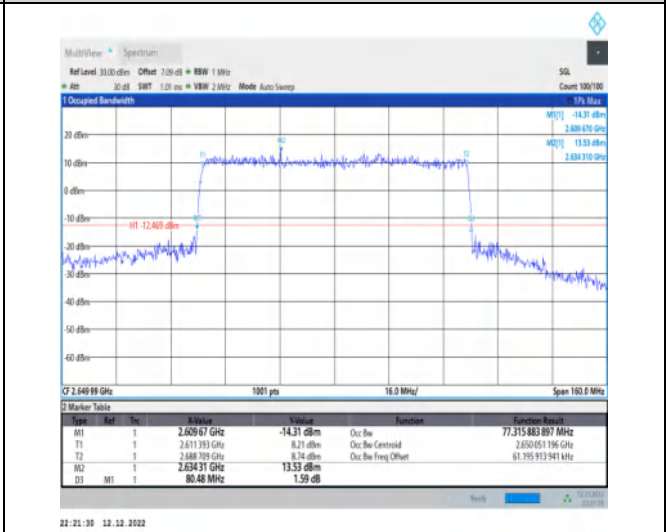
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1-N41-30-80-H-6-CP-QPSK-Outer\_Full-217@0-Ant1-77.58-80.800-≤80-PASS



1-N41-30-80-H-7-CP-16QAM-Outer\_Full-217@0-Ant1-77.465-80.800-≤80-PASS



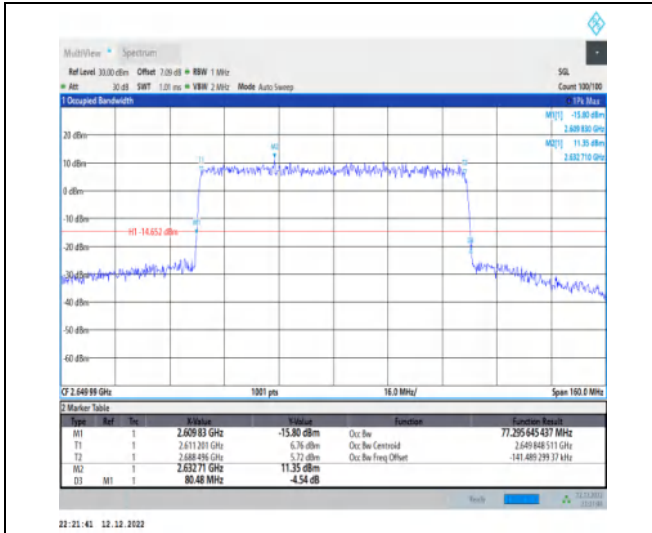
1-N41-30-80-H-8-CP-64QAM-Outer\_Full-217@0-Ant1-77.316-80.480-≤80-PASS



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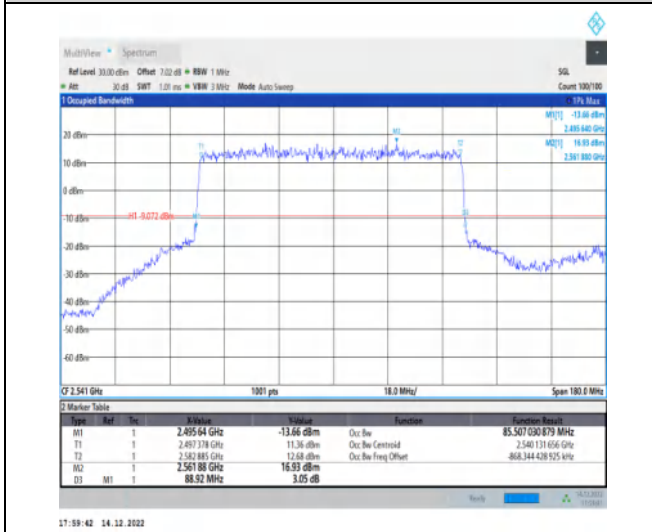
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1-N41-30-80-H-9-CP-256QAM-Outer\_Full-217@0-A  
nt1-77.296-80.480- $\leq 80$ -PASS



1-N41-30-90-L-1-DFT-QPSK-Outer\_Full-240@0-Ant  
1-85.833-89.100- $\leq 90$ -PASS



1-N41-30-90-L-2-DFT-PI2BPSK-Outer\_Full-240@0-Ant1-85.507-88.920- $\leq 90$ -PASS



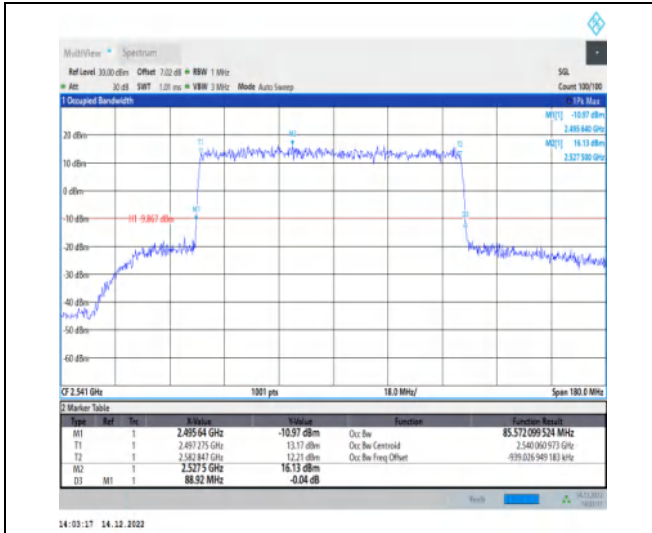
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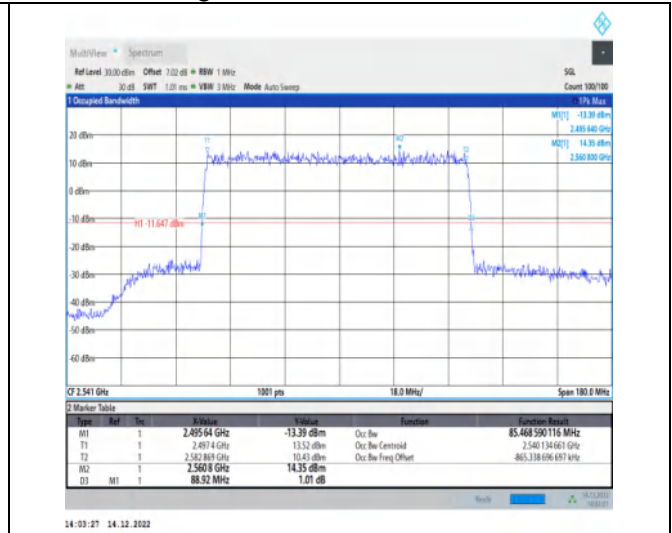
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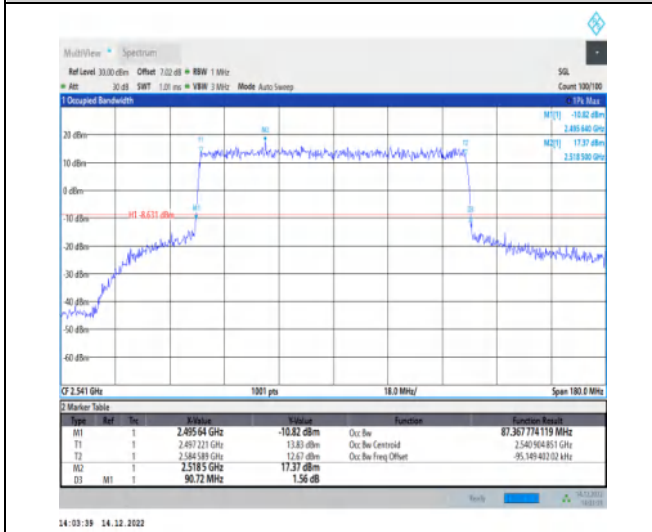
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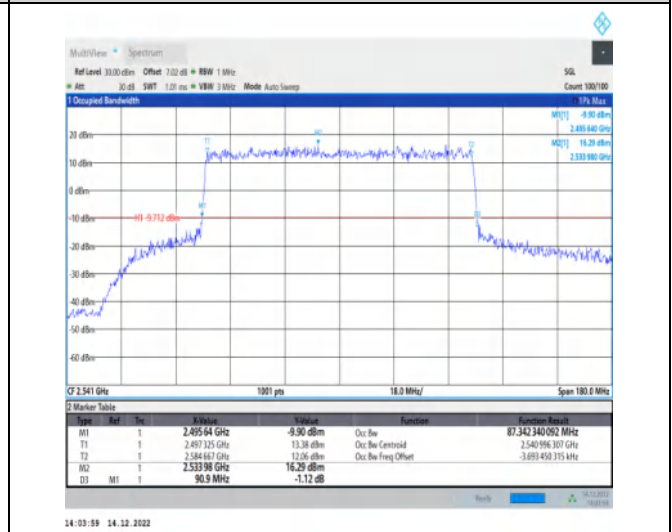
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nt1-85.572-88.920- $\leq 90$ -PASS



1-N41-30-90-L-5-DFT-256QAM-Outer\_Full-240@0-A  
nt1-85.469-88.920- $\leq 90$ -PASS



1-N41-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant1  
-87.368-90.720- $\leq 90$ -PASS



1-N41-30-90-L-7-CP-16QAM-Outer\_Full-245@0-Ant1  
-87.342-90.900- $\leq 90$ -PASS



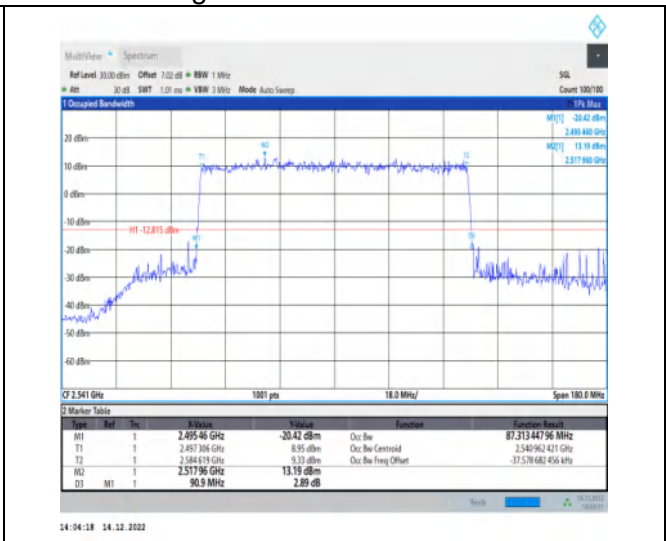
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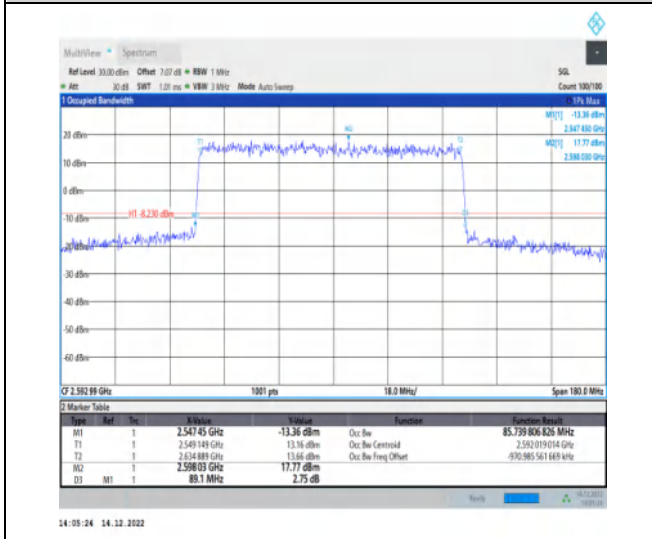
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1-N41-30-90-L-9-CP-256QAM-Outer\_Full-245@0-Ant  
t1-87.313-90.900-≤90-PASS



1-N41-30-90-M-1-DFT-QPSK-Outer\_Full-240@0-Ant  
1-85.74-89.100-≤90-PASS



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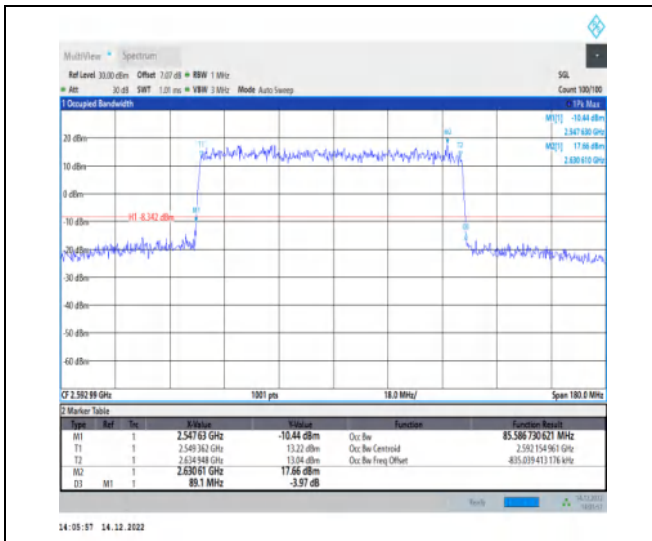


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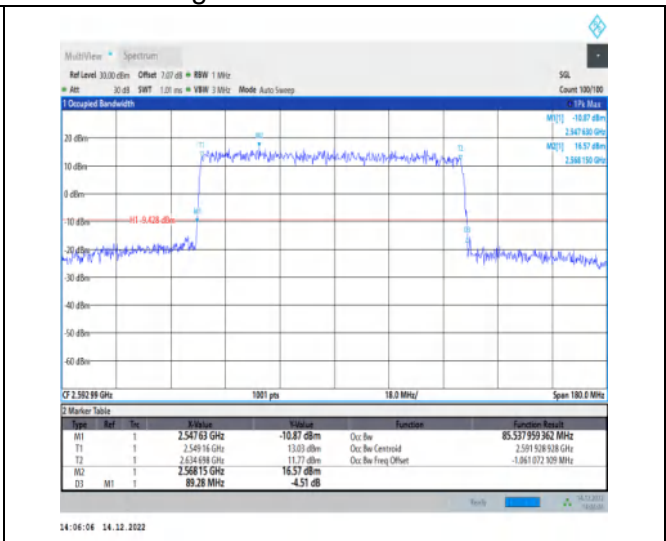
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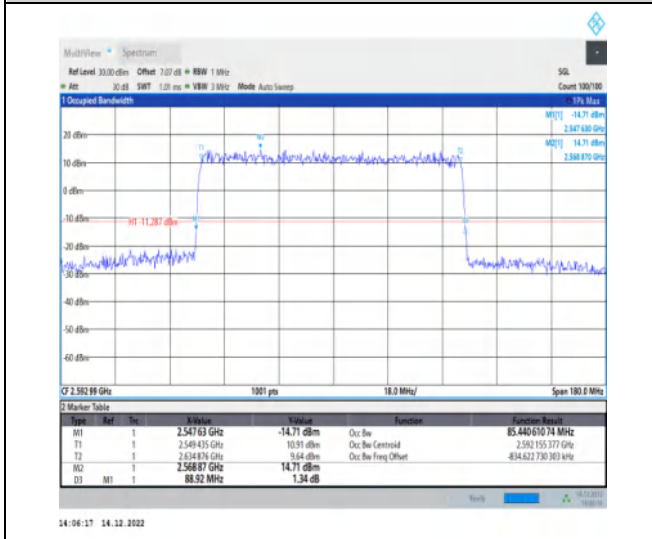




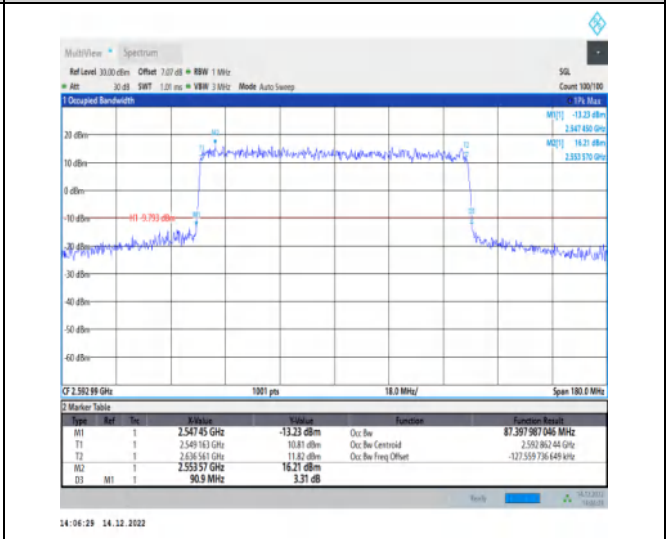
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1-N41-30-90-M-4-DFT-64QAM-Outer\_Full-240@0-A  
 nt1-85.538-89.280≤90-PASS



1-N41-30-90-M-5-DFT-256QAM-Outer\_Full-240@0-A  
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1-N41-30-90-M-6-CP-QPSK-Outer\_Full-245@0-Ant1  
 -87.398-90.900≤90-PASS



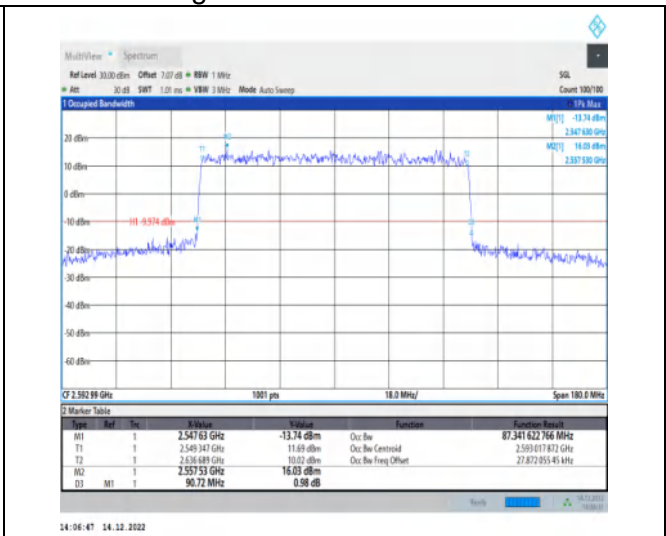
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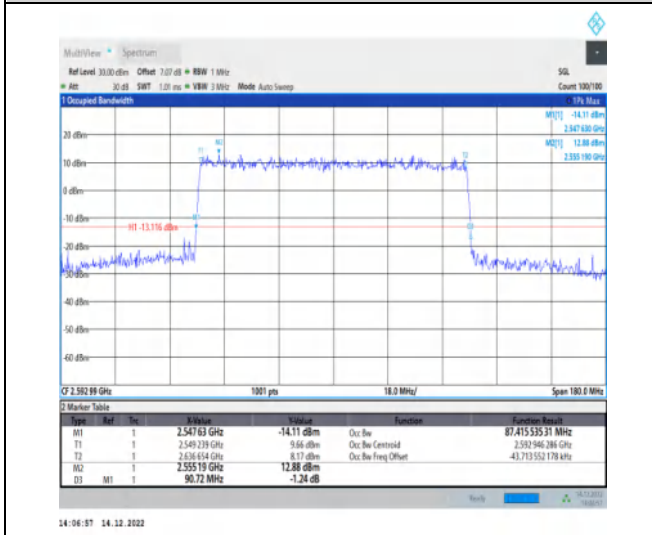
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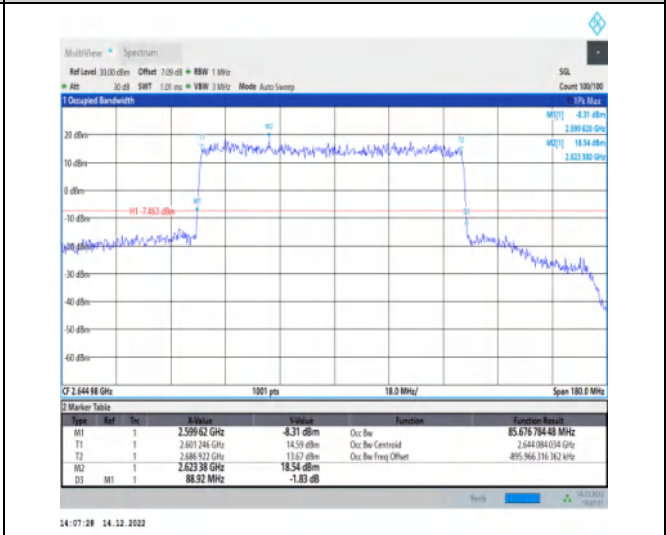
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1-87.342-90.720-<=90-PASS



1-N41-30-90-M-9-CP-256QAM-Outer\_Full-245@0-A  
nt1-87.416-90.720-<=90-PASS



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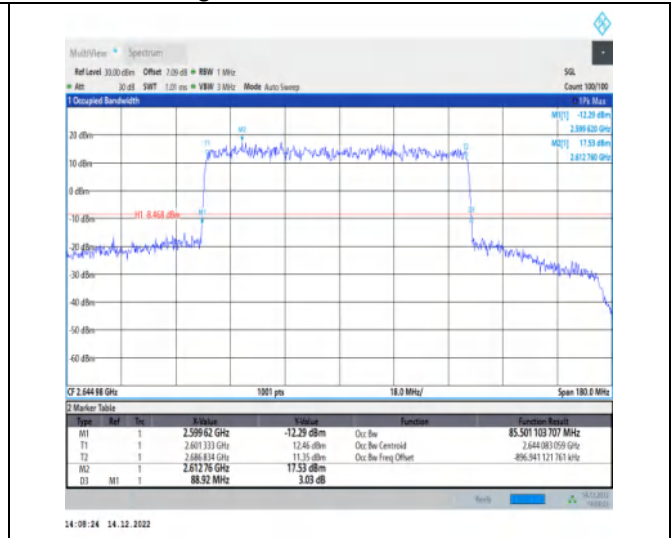
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1-N41-30-90-H-2-DFT-PI2BPSK-Outer\_Full-240@0-Ant1-85.712-89.280-<=90-PASS



1-N41-30-90-H-3-DFT-16QAM-Outer\_Full-240@0-Ant1-85.501-88.920-<=90-PASS



1-N41-30-90-H-4-DFT-64QAM-Outer\_Full-240@0-Ant1-85.842-88.920-<=90-PASS



1-N41-30-90-H-5-DFT-256QAM-Outer\_Full-240@0-Ant1-85.626-89.280-<=90-PASS



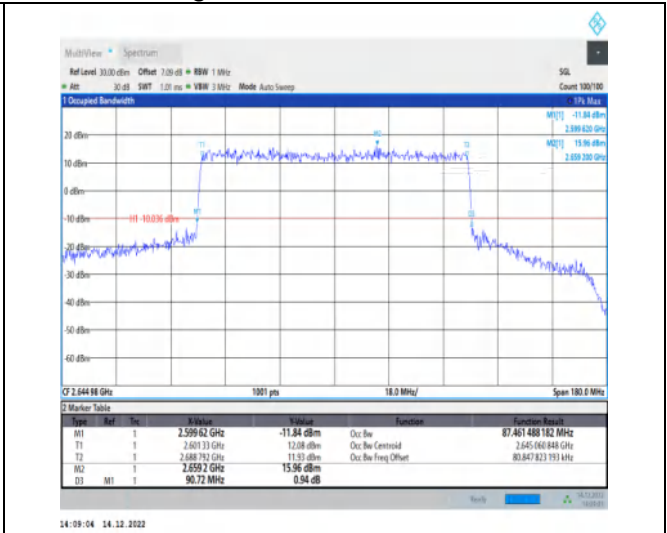
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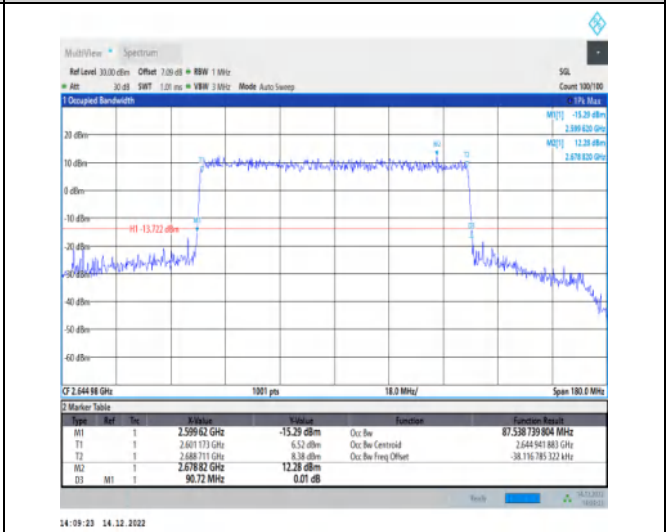
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-87.425-90.720-≤90-PASS



1-N41-30-90-H-7-CP-16QAM-Outer\_Full-245@0-Ant1  
1-87.461-90.720-≤90-PASS



1-N41-30-90-H-8-CP-64QAM-Outer\_Full-245@0-Ant1  
1-87.288-90.900-≤90-PASS



1-N41-30-90-H-9-CP-256QAM-Outer\_Full-245@0-Ant1  
1-87.539-90.720-≤90-PASS



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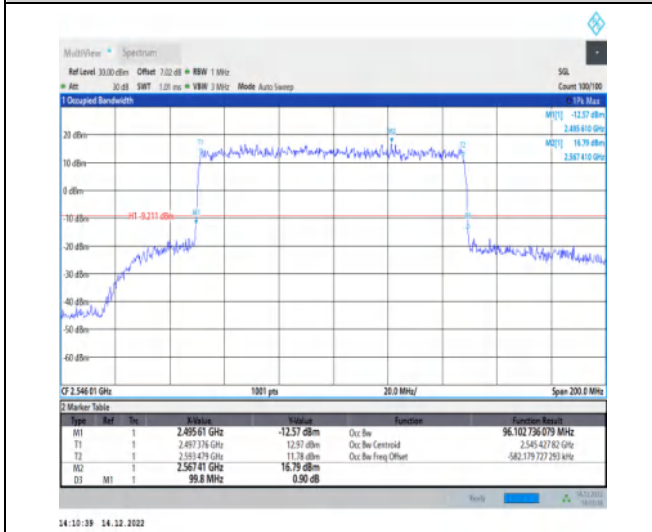
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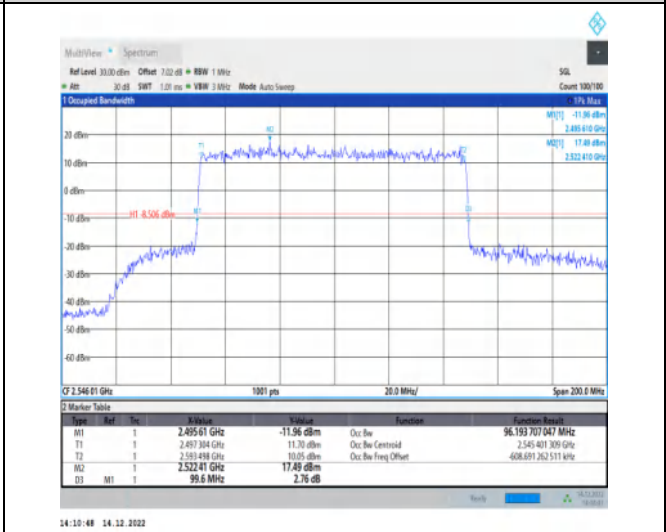
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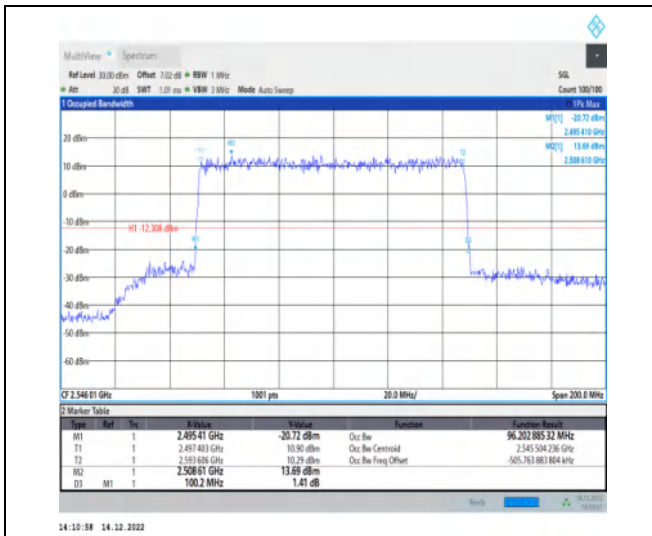
1-N41-30-100-L-4-DFT-64QAM-Outer\_Full-270@0-Ant1-96.194-99.600-≤100-PASS



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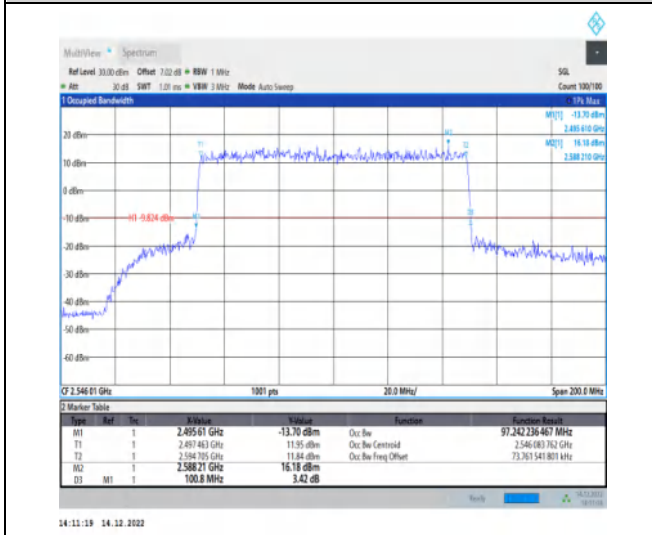
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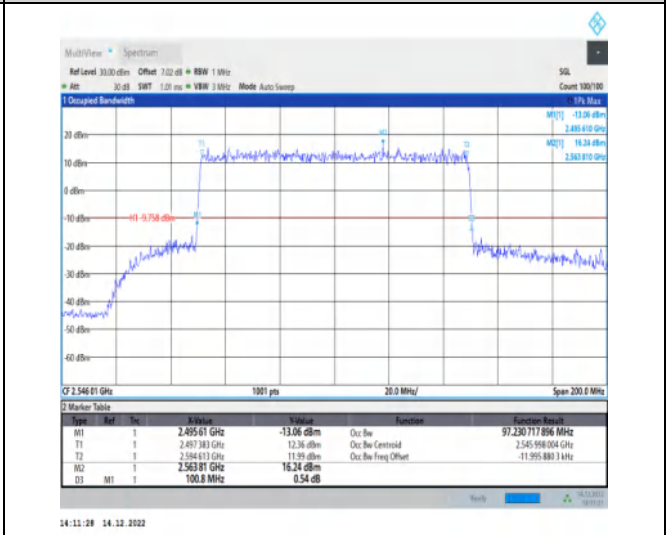
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1-N41-30-100-L-6-CP-QPSK-Outer\_Full-273@0-Ant1-97.476-101.000-≤100-PASS



1-N41-30-100-L-7-CP-16QAM-Outer\_Full-273@0-Ant1-97.242-100.800-≤100-PASS



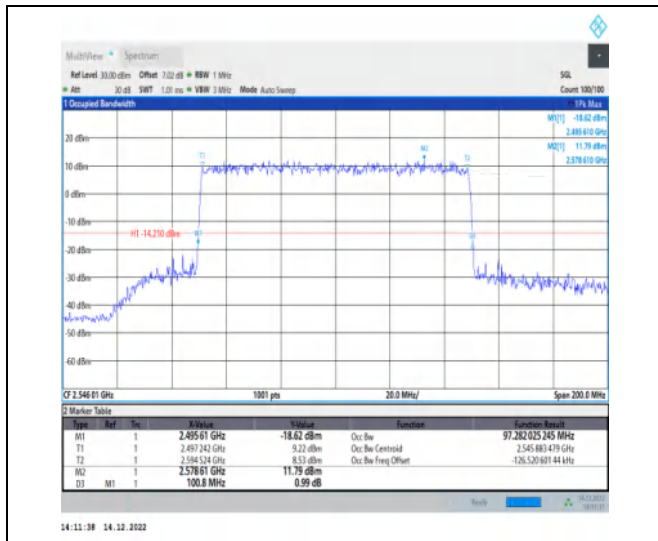
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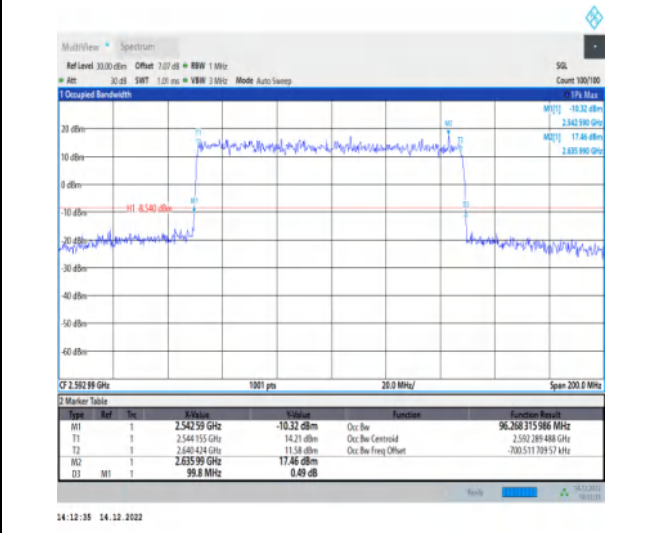
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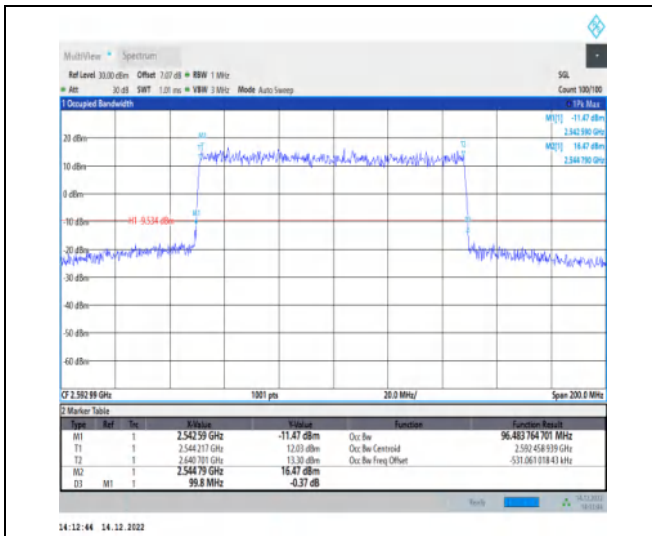


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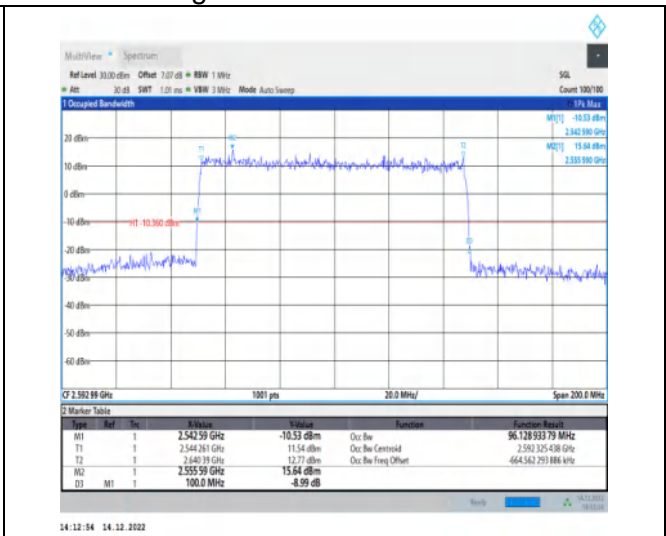


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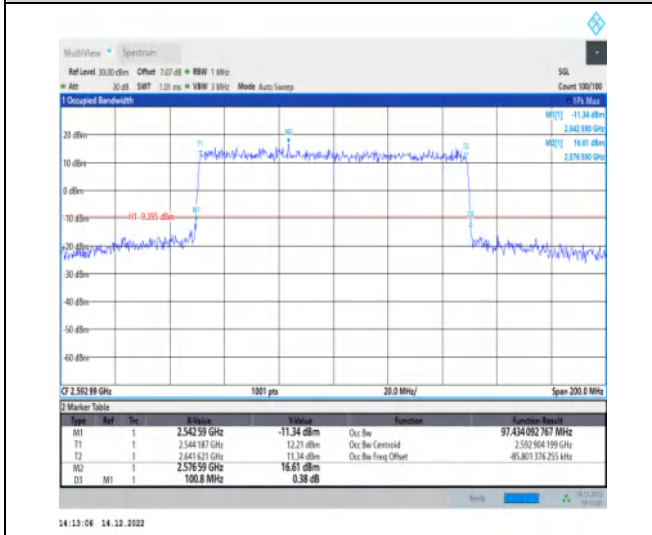




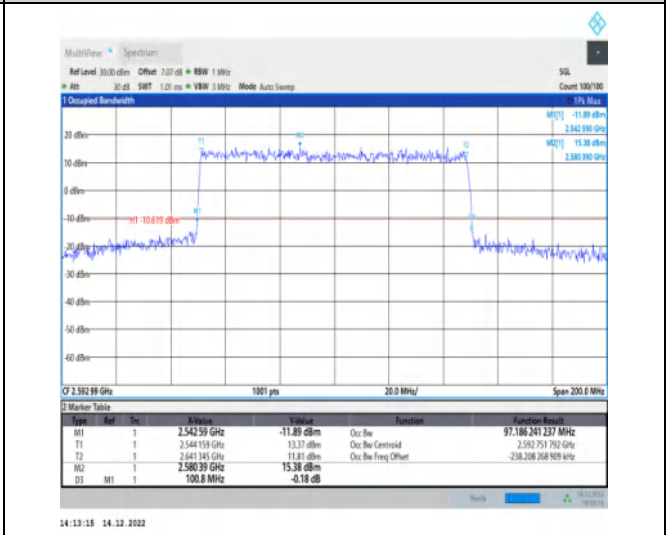
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1-N41-30-100-M-5-DFT-256QAM-Outer\_Full-270@0-Ant1-96.129-100.000-≤100-PASS



1-N41-30-100-M-6-CP-QPSK-Outer\_Full-273@0-Ant1-97.434-100.800-≤100-PASS



1-N41-30-100-M-7-CP-16QAM-Outer\_Full-273@0-Ant1-97.186-100.800-≤100-PASS

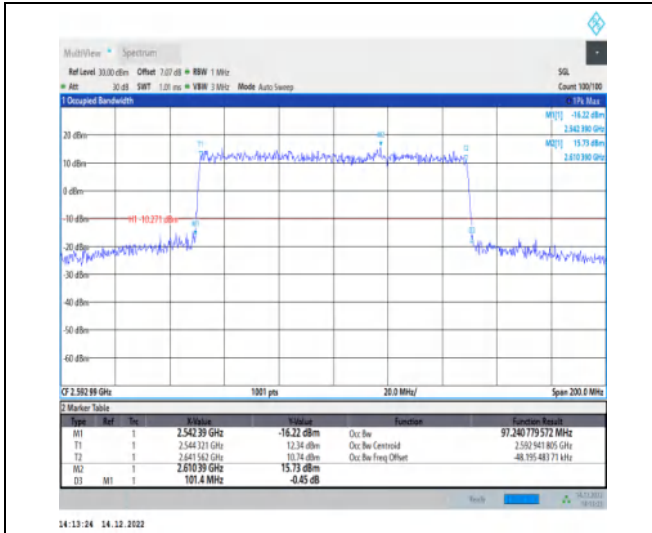


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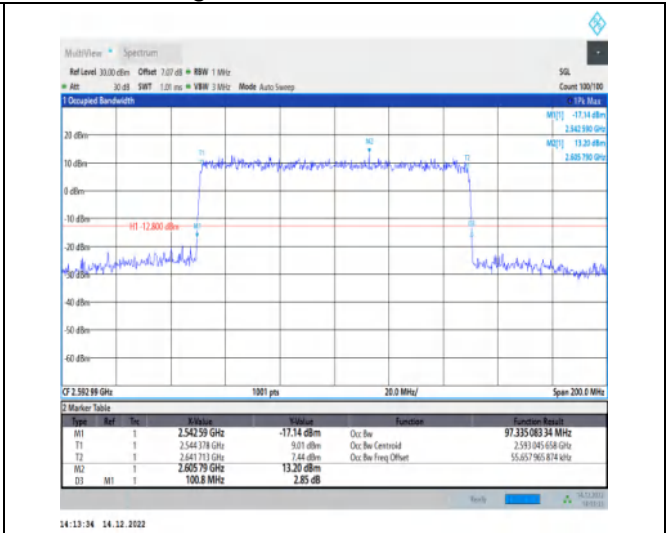
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1-N41-30-100-M-8-CP-64QAM-Outer\_Full-273@0-A  
nt1-97.241-101.400-≤100-PASS



1-N41-30-100-M-9-CP-256QAM-Outer\_Full-273@0-A  
Ant1-97.335-100.800-≤100-PASS



1-N41-30-100-H-1-DFT-QPSK-Outer\_Full-270@0-A  
nt1-96.47-100.000-≤100-PASS



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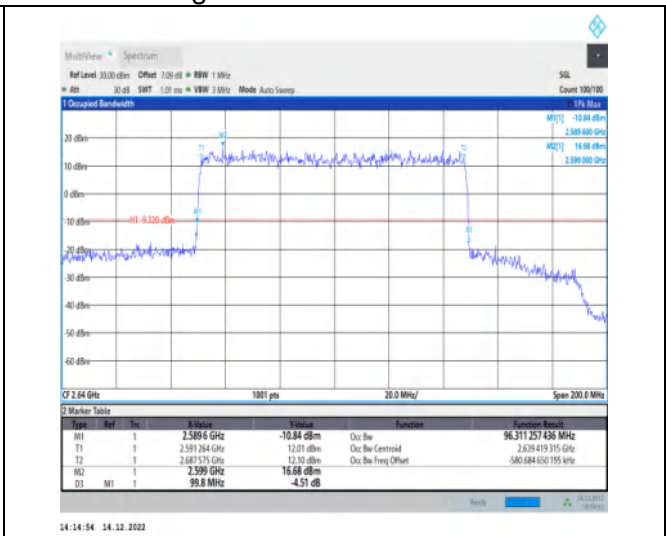
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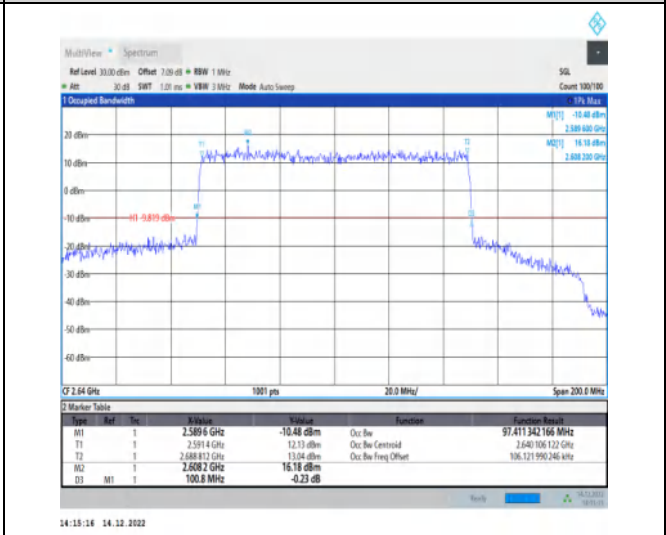
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1-N41-30-100-H-4-DFT-64QAM-Outer\_Full-270@0-Ant1-96.311-99.800-≤100-PASS



1-N41-30-100-H-5-DFT-256QAM-Outer\_Full-270@0-Ant1-96.702-99.800-≤100-PASS



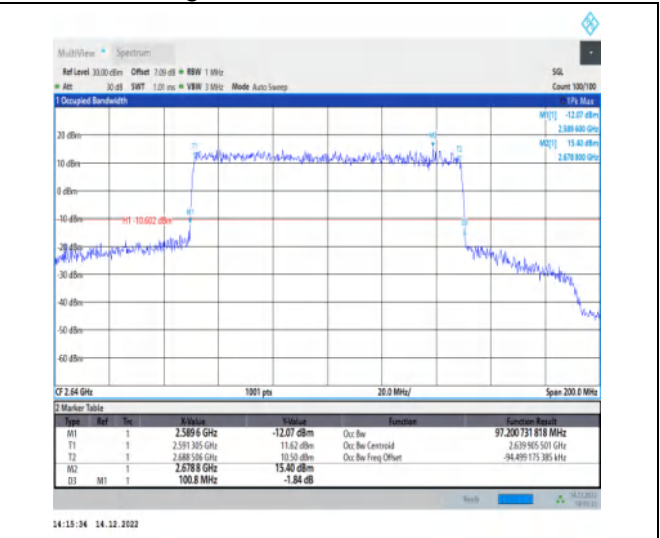
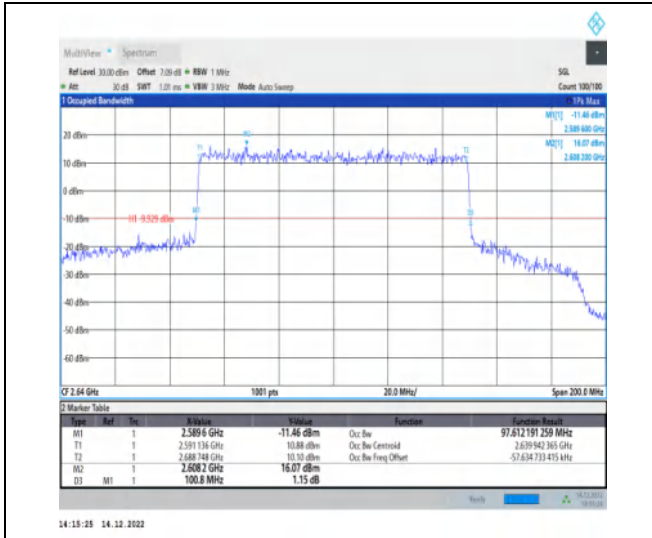
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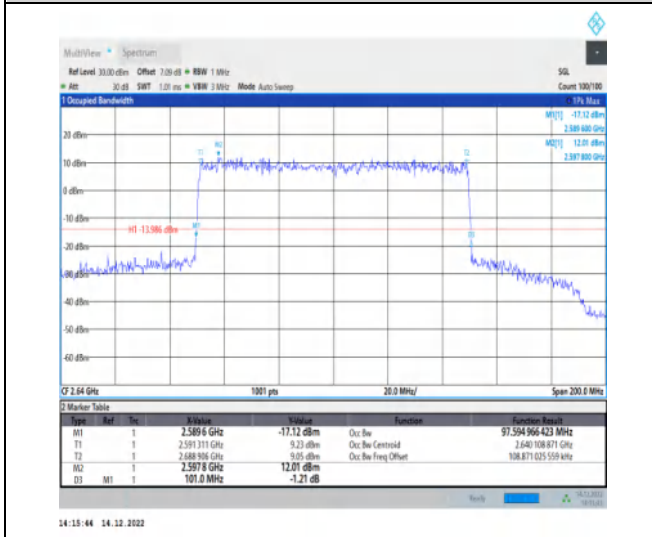
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nt1-97.612-100.800≤100-PASS

1-N41-30-100-H-8-CP-64QAM-Outer\_Full-273@0-A  
nt1-97.201-100.800≤100-PASS



1-N41-30-100-H-9-CP-256QAM-Outer\_Full-273@0-A  
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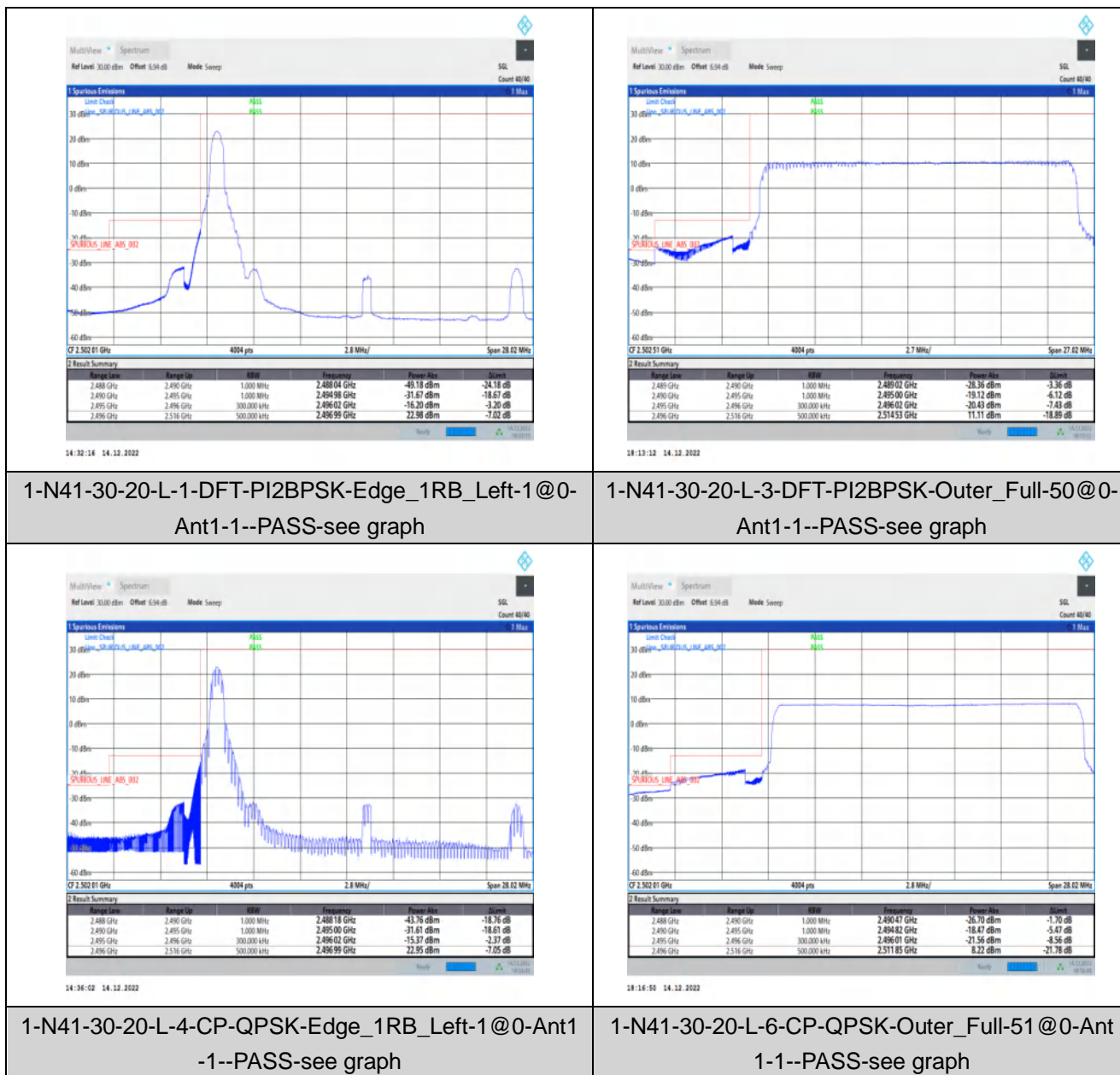
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## Band Edge for SA

### Test Graphs



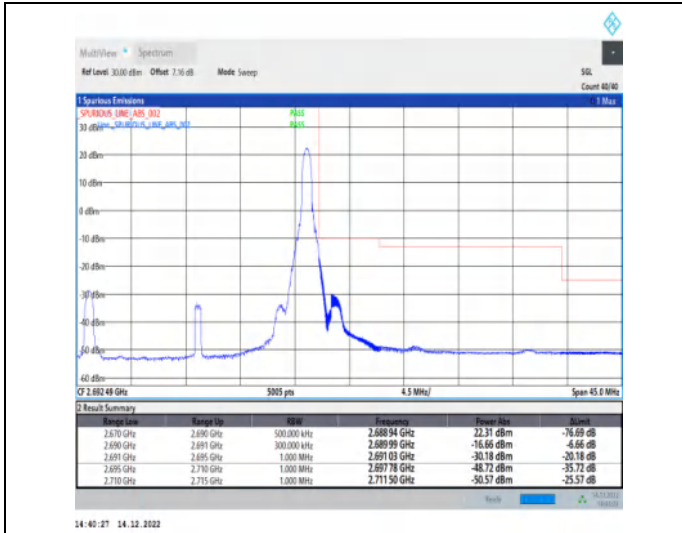
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1-N41-30-20-L-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1--PASS-see graph

1-N41-30-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N41-30-20-L-6-CP-QPSK-Outer\_Full-51@0-Ant1-1--PASS-see graph

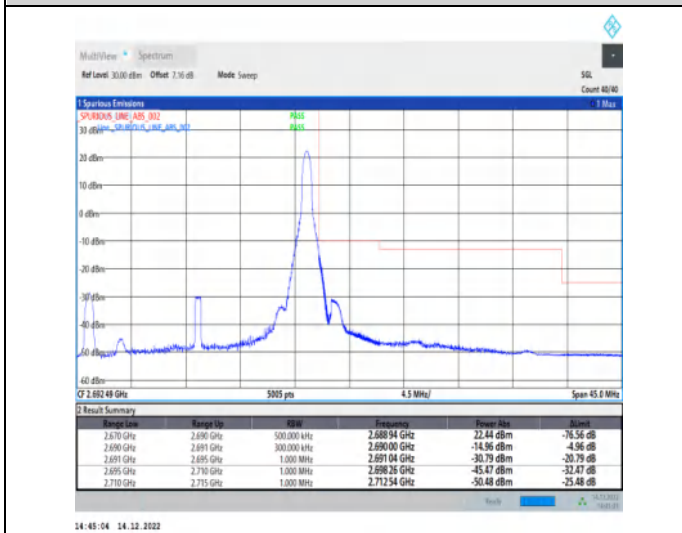




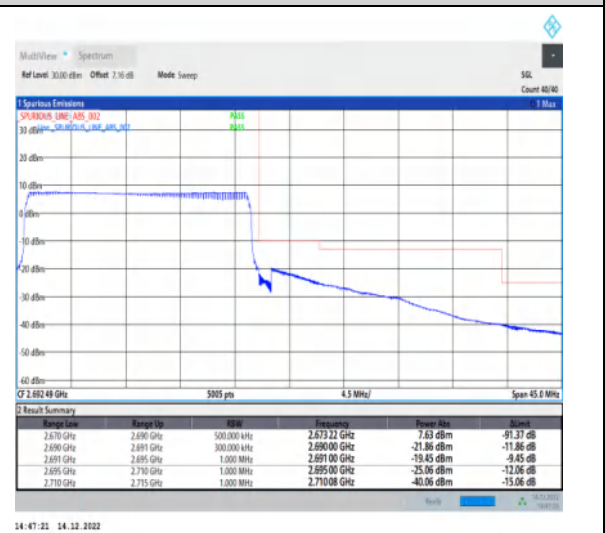
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1-N41-30-20-H-3-DFT-PI2BPSK-Outer\_Full-50@0 -Ant1-1--PASS-see graph



1-N41-30-20-H-5-CP-QPSK-Edge\_1RB\_Right-1 @ 50-Ant1-1--PASS-see graph



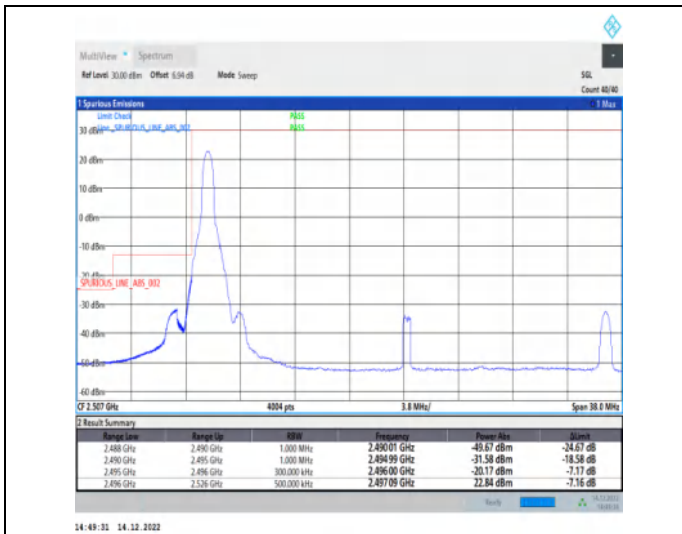
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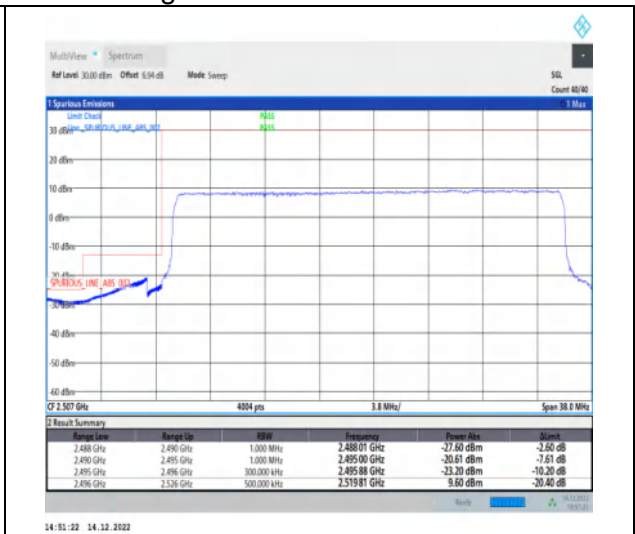
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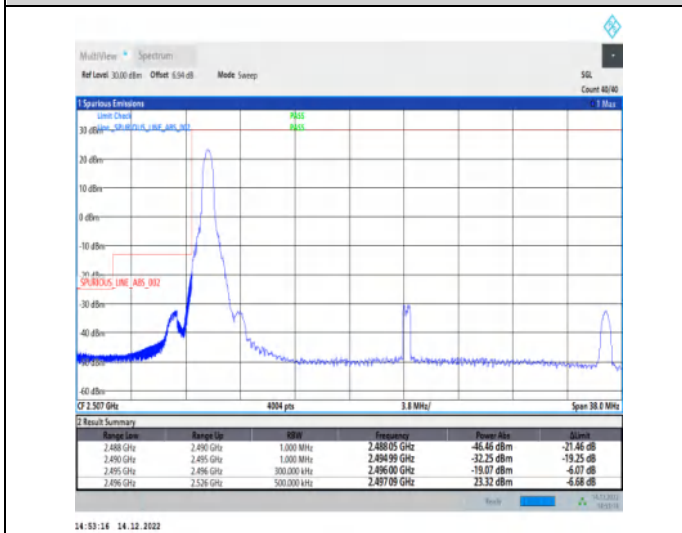
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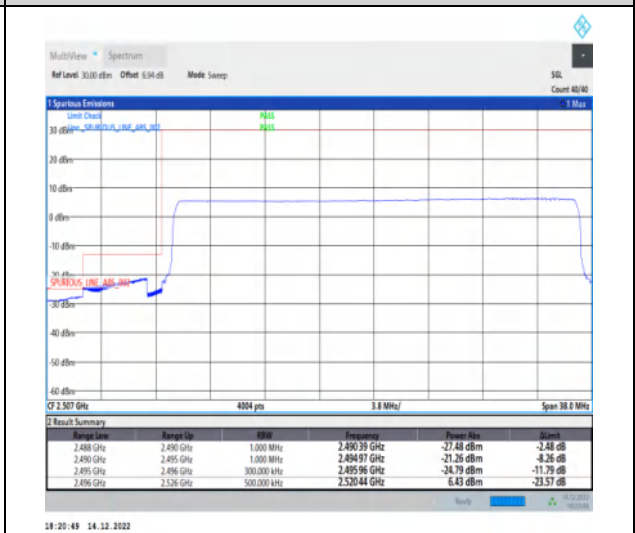
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1-N41-30-30-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1--PASS-see graph



1-N41-30-30-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



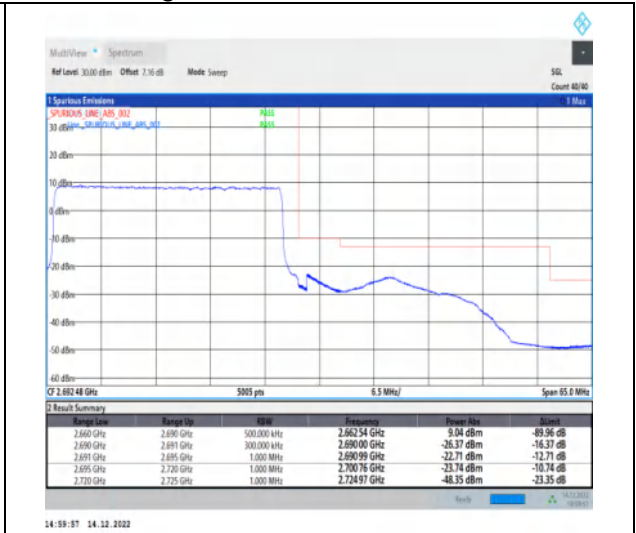
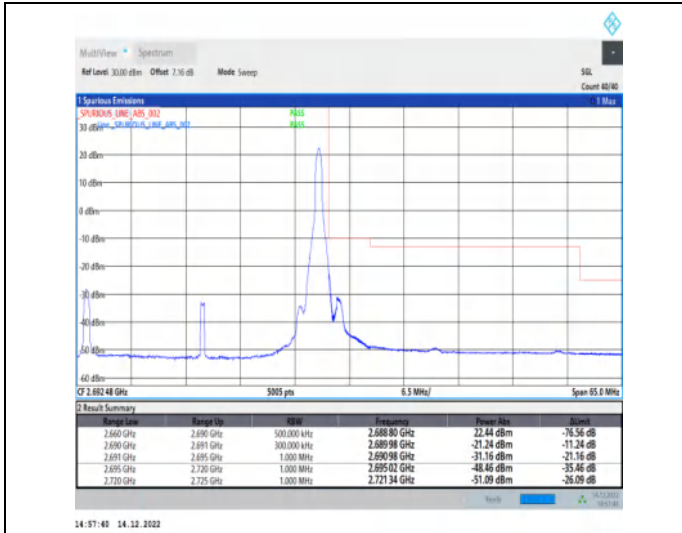
1-N41-30-30-L-6-CP-QPSK-Outer\_Full-78@0-Ant1-1--PASS-see graph



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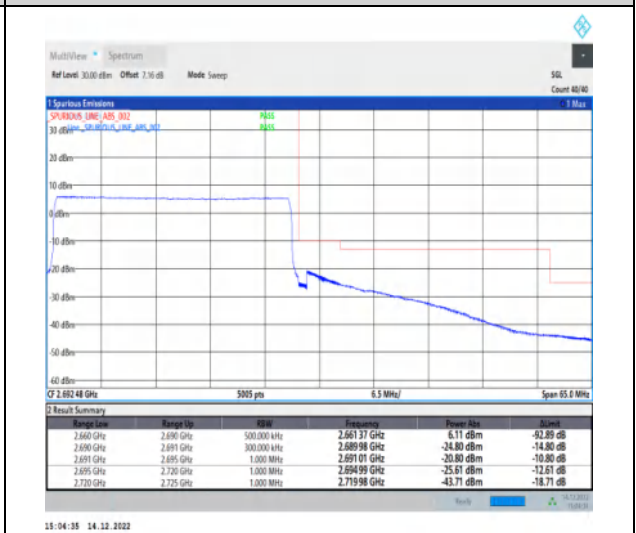
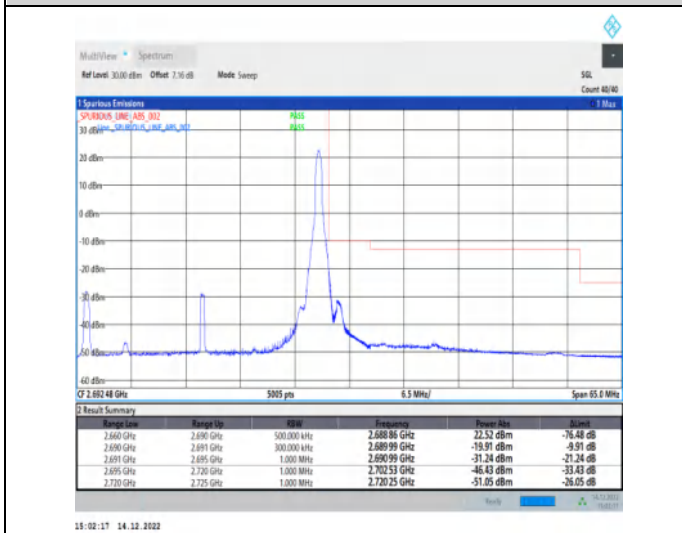
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1-N41-30-30-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@77-Ant1-1--PASS-see graph

1-N41-30-30-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1--PASS-see graph



1-N41-30-30-H-5-CP-QPSK-Edge\_1RB\_Right-1@77-Ant1-1--PASS-see graph

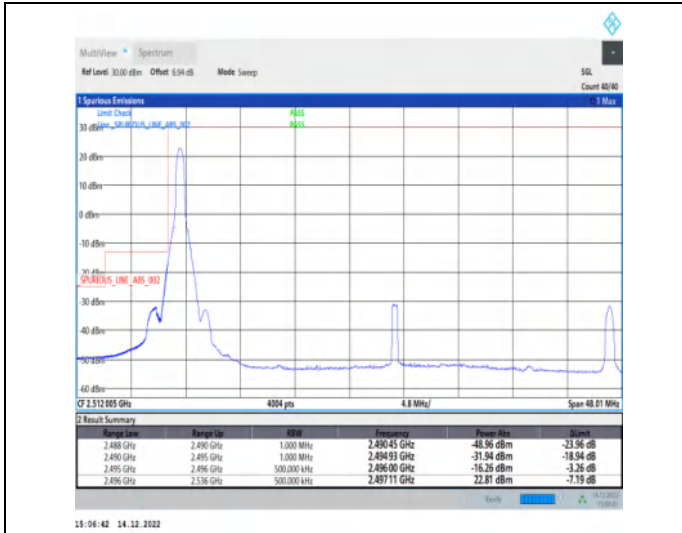
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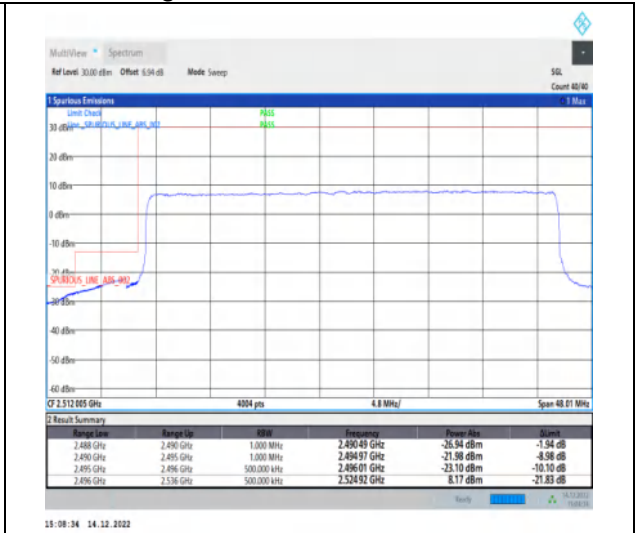
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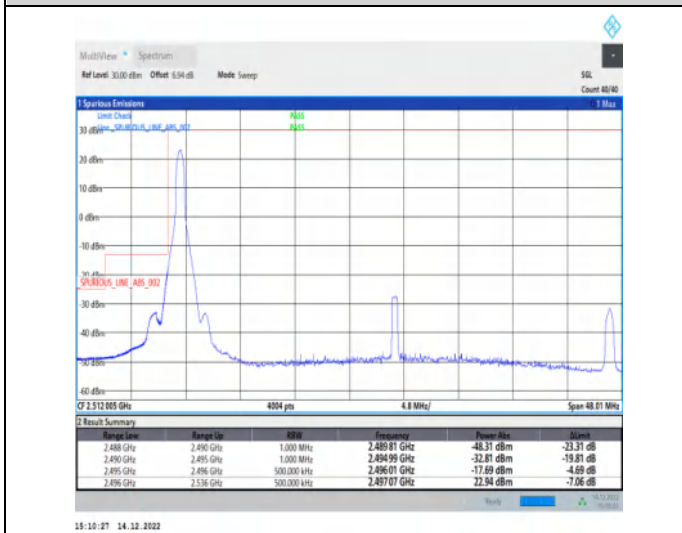
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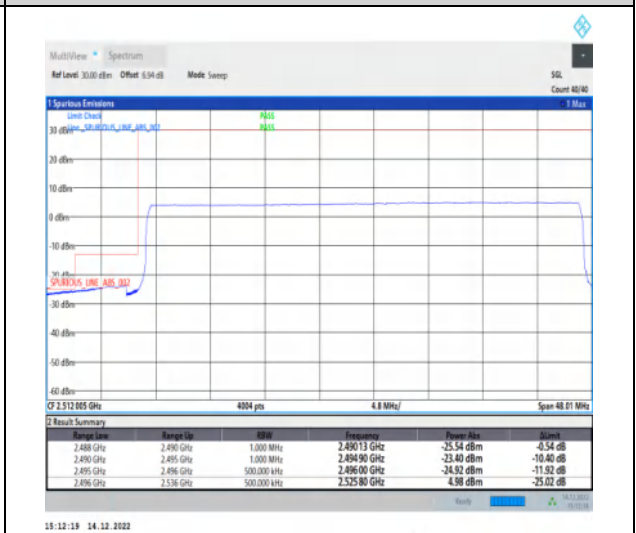
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1-N41-30-40-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-1--PASS-see graph



1-N41-30-40-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



1-N41-30-40-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-1--PASS-see graph

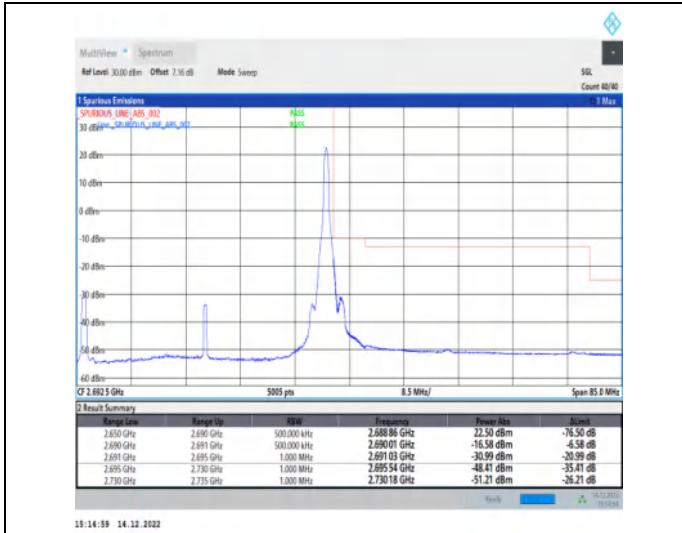


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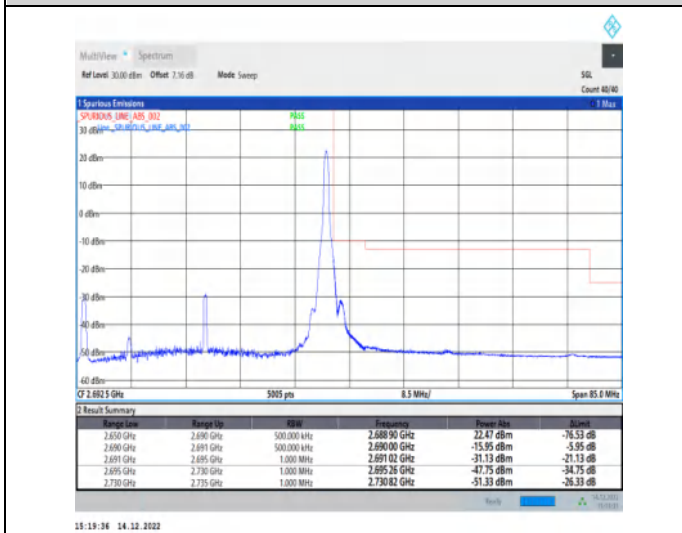




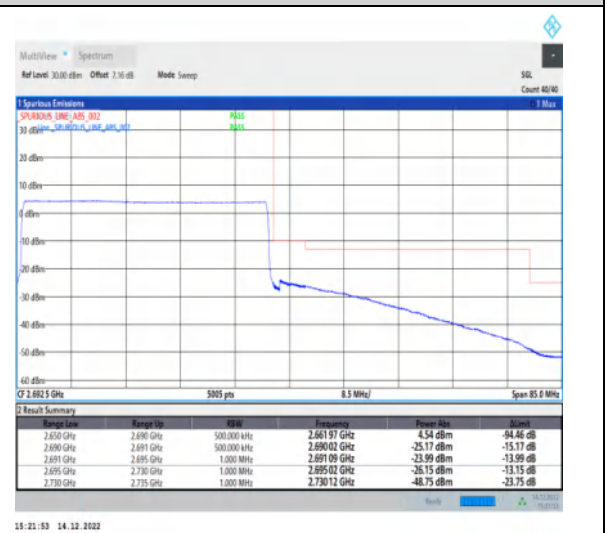
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1-N41-30-40-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-1--PASS-see graph



1-N41-30-40-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-1--PASS-see graph



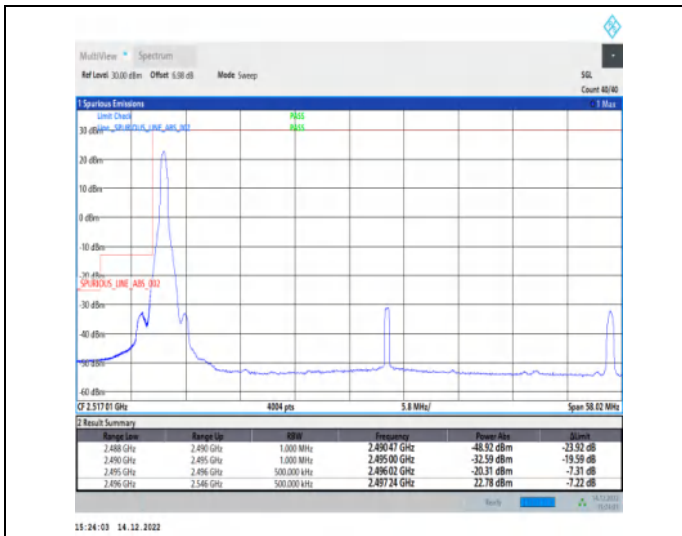
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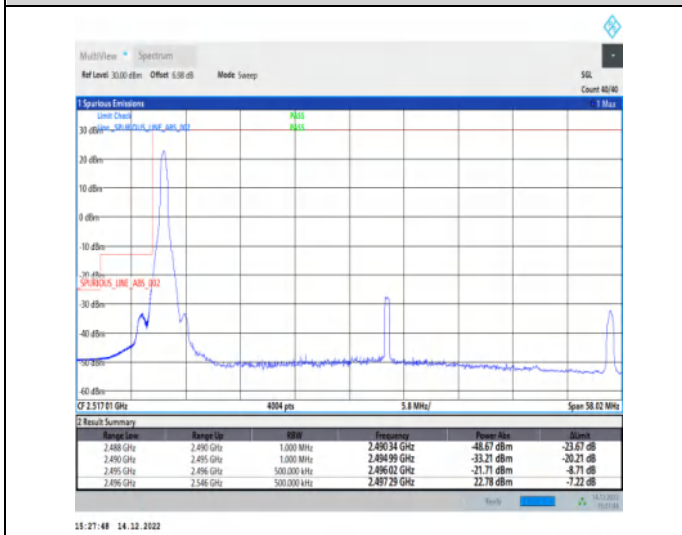
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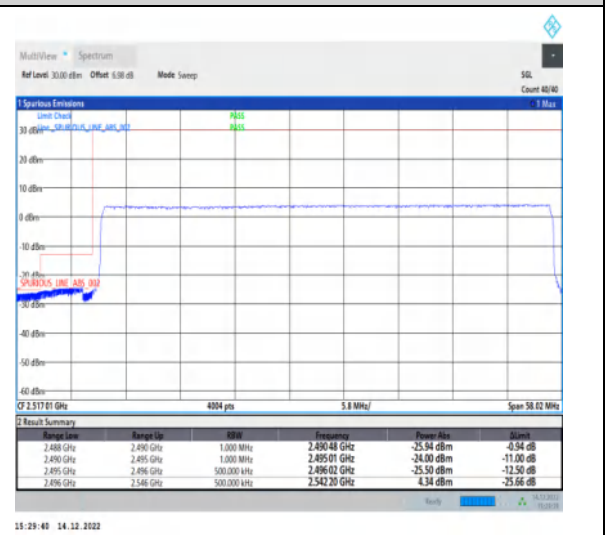
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1-N41-30-50-L-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant1-1--PASS-see graph



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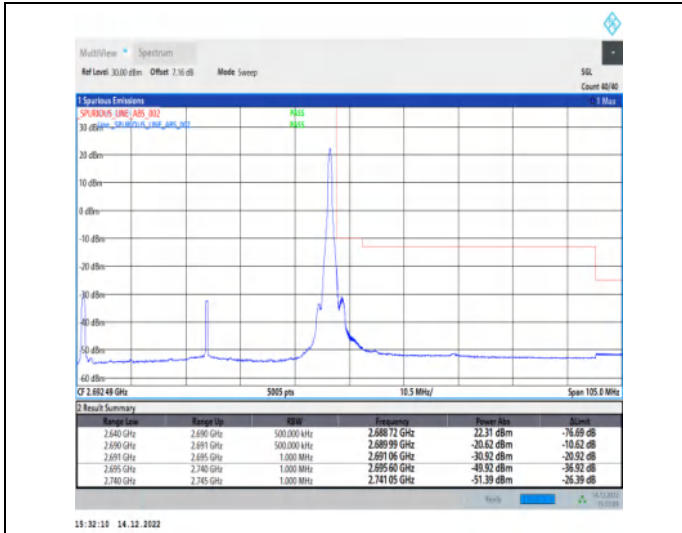
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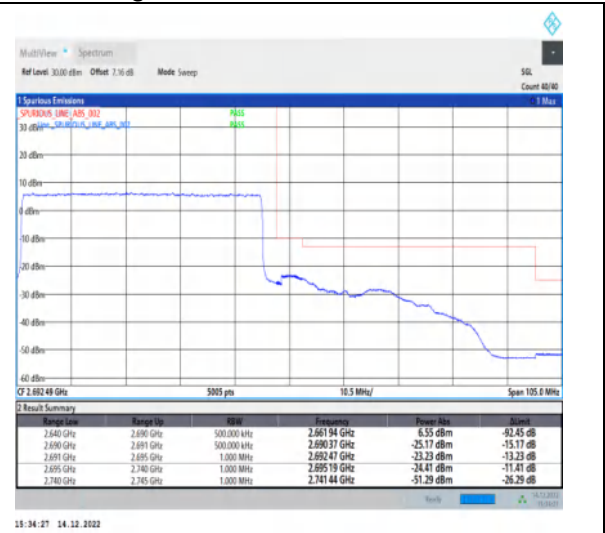
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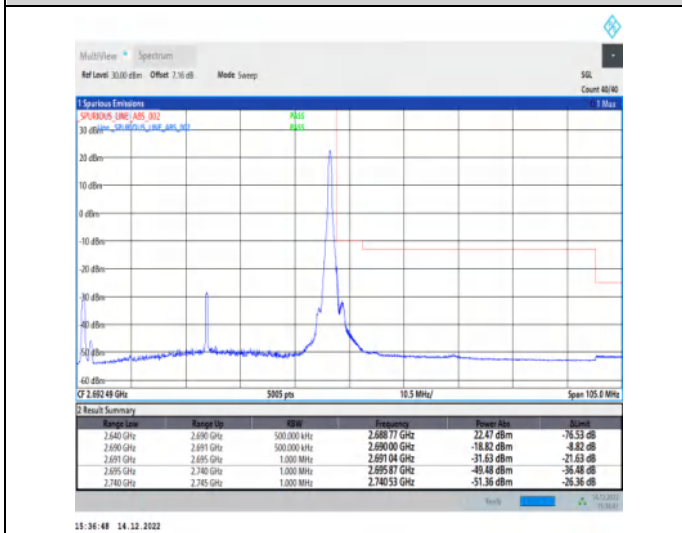
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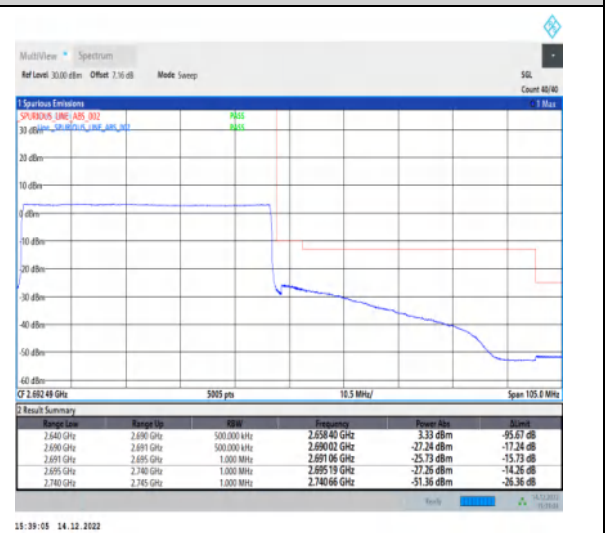
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1-N41-30-50-H-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant1-1--PASS-see graph



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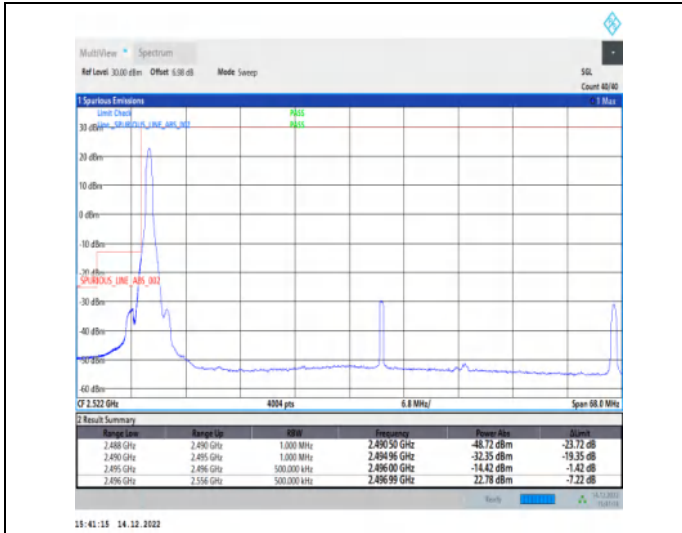


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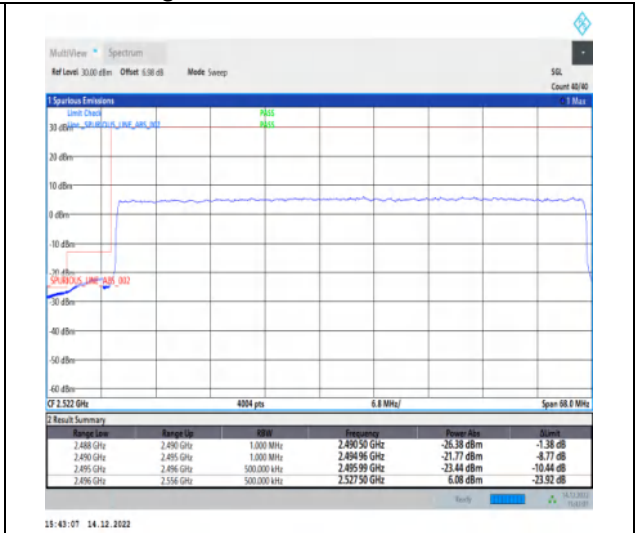


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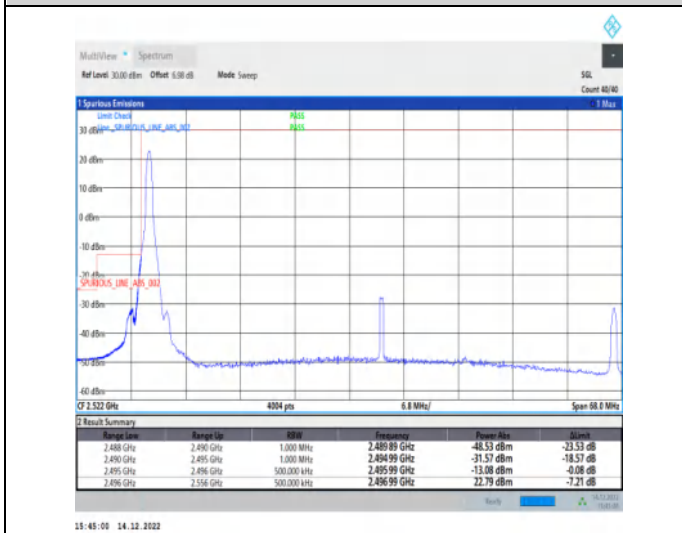
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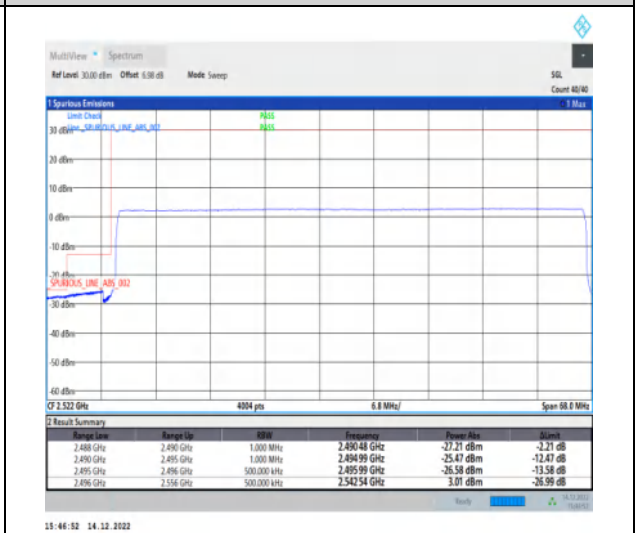
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1-N41-30-60-L-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



1-N41-30-60-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



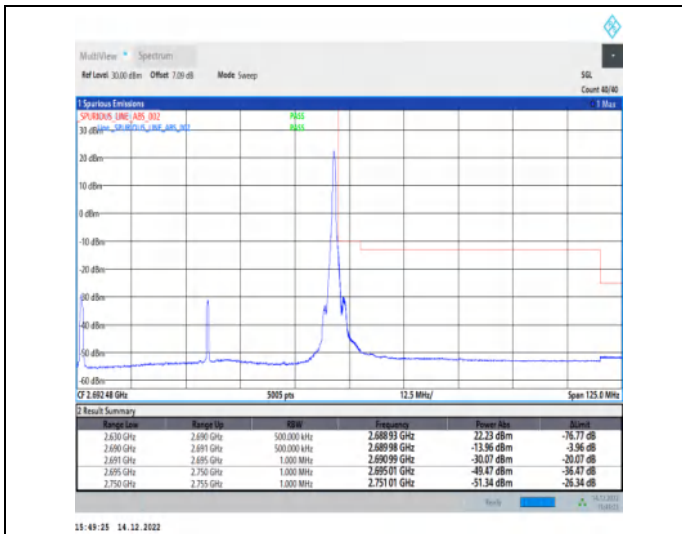
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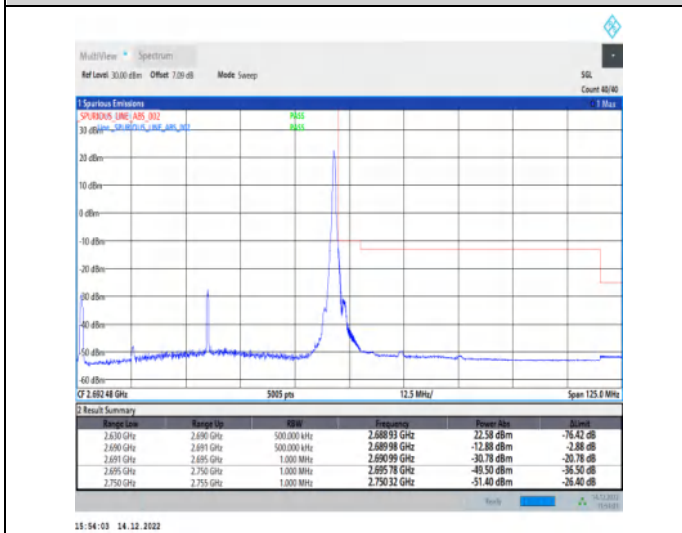
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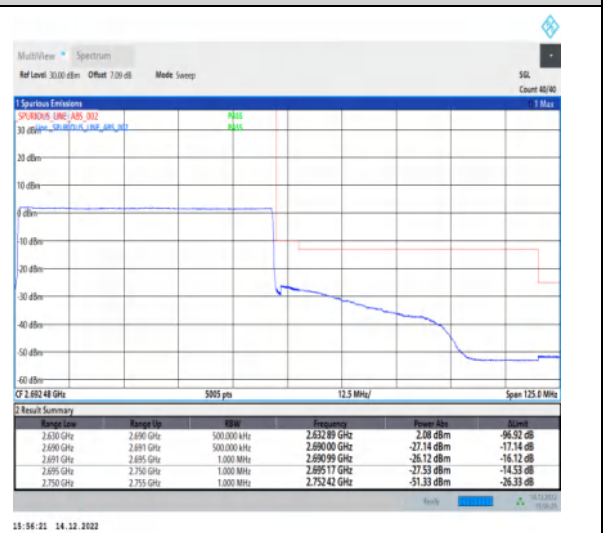
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1-N41-30-60-H-5-CP-QPSK-Edge\_1RB\_Right-1@161-Ant1-1--PASS-see graph



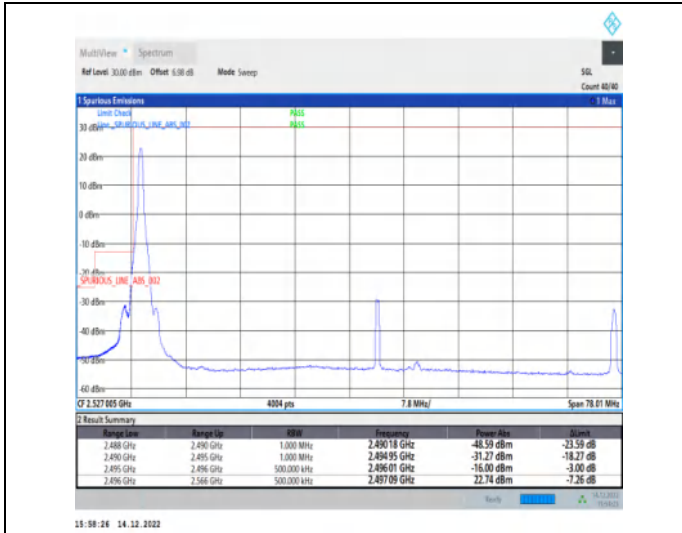
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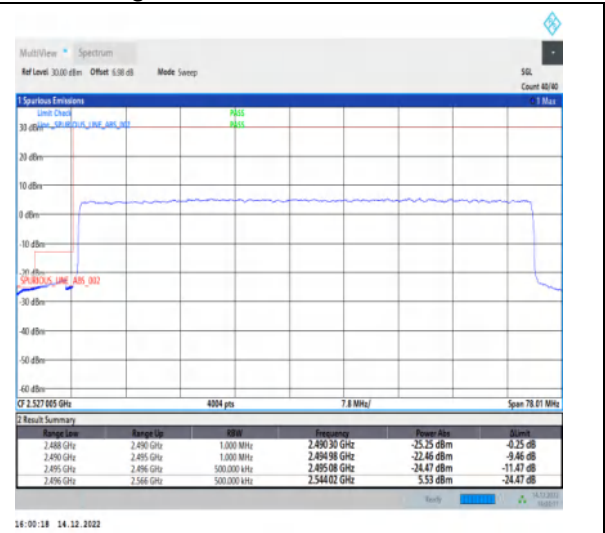
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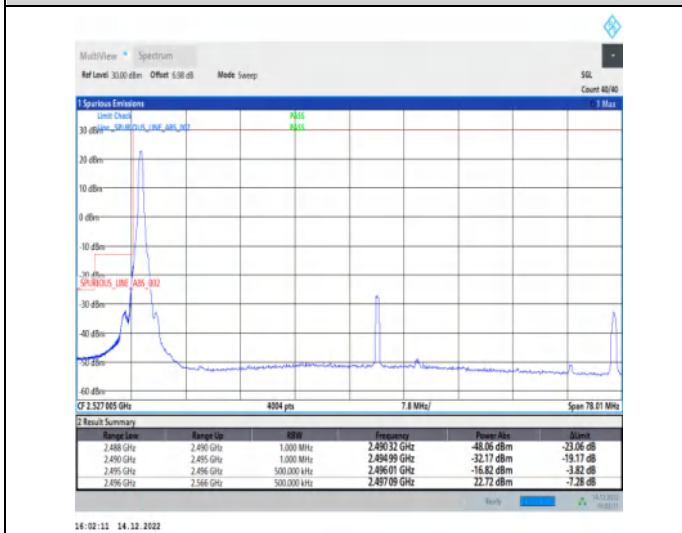
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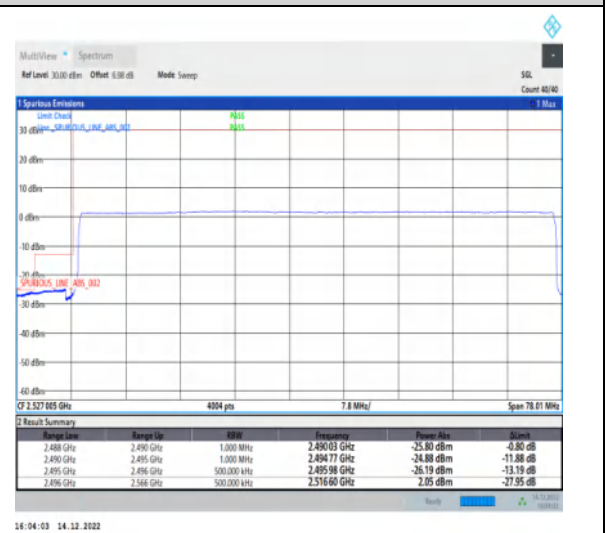
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1-N41-30-70-L-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant1-1--PASS-see graph



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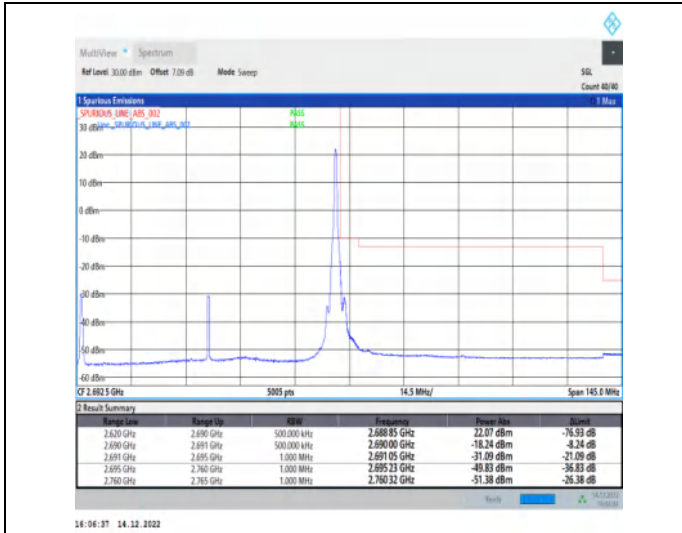
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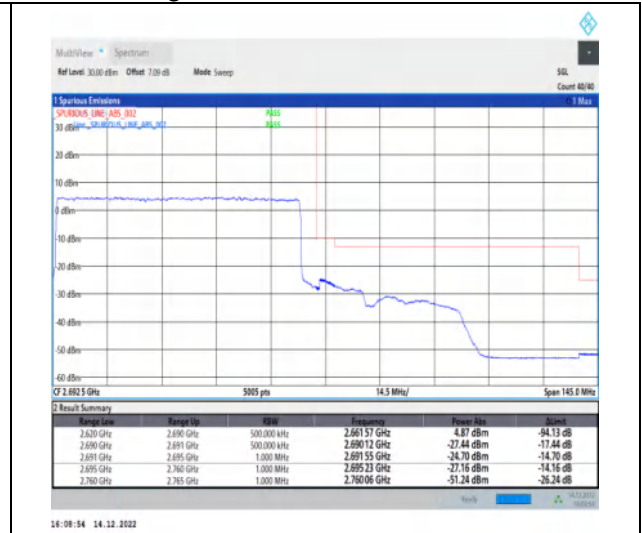
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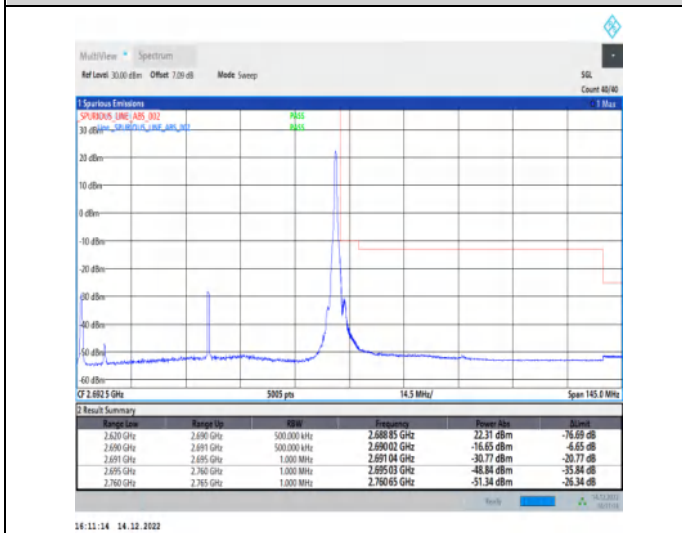
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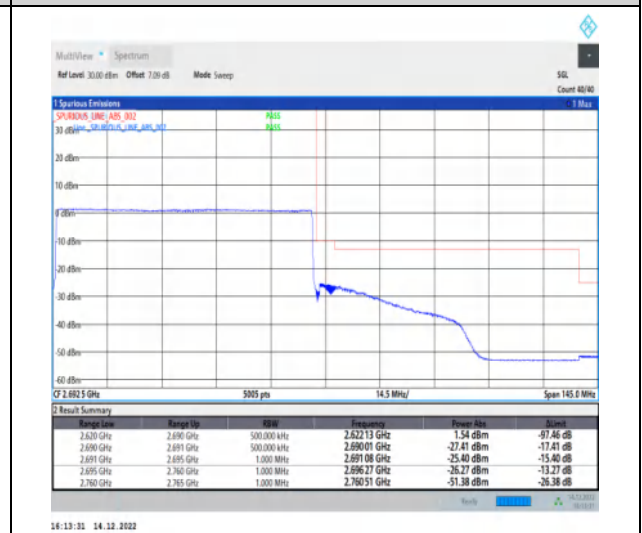
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1-N41-30-70-H-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant1-1--PASS-see graph



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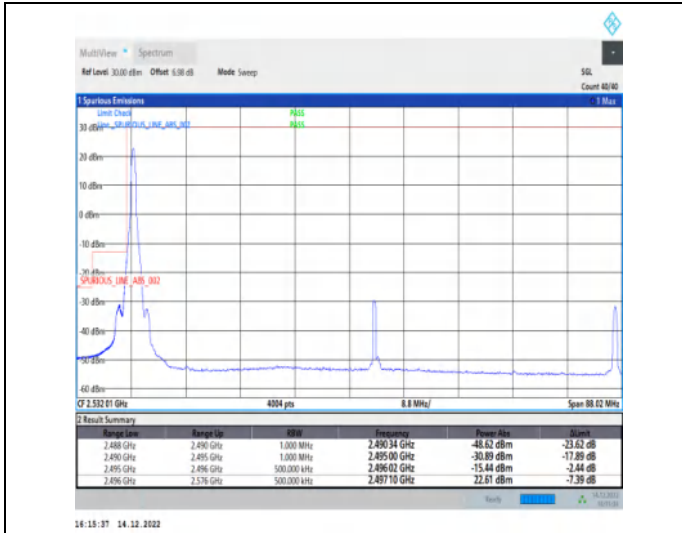
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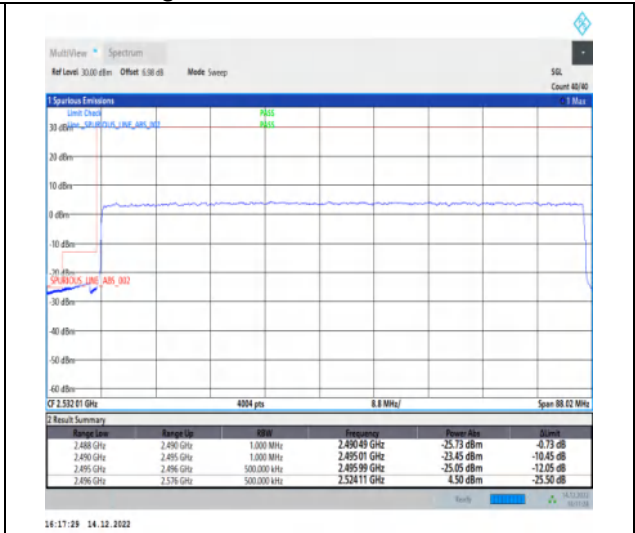
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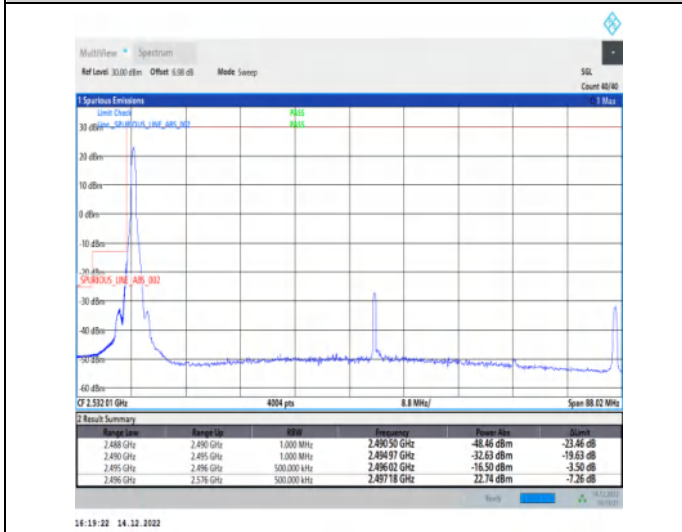
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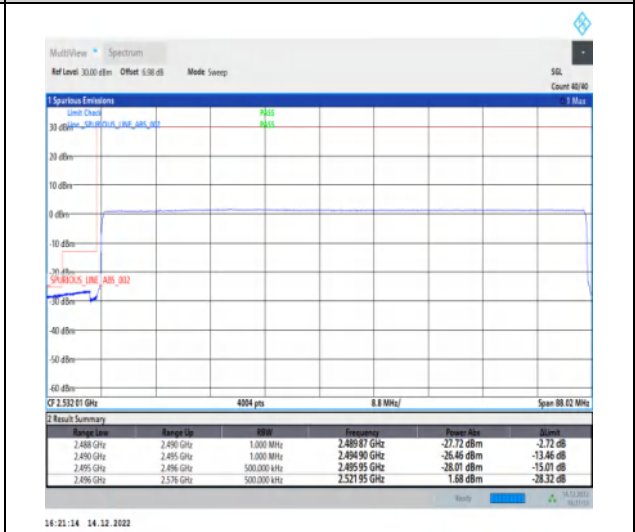
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1-N41-30-80-L-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant1-1--PASS-see graph



1-N41-30-80-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



1-N41-30-80-L-6-CP-QPSK-Outer\_Full-217@0-Ant1-1--PASS-see graph

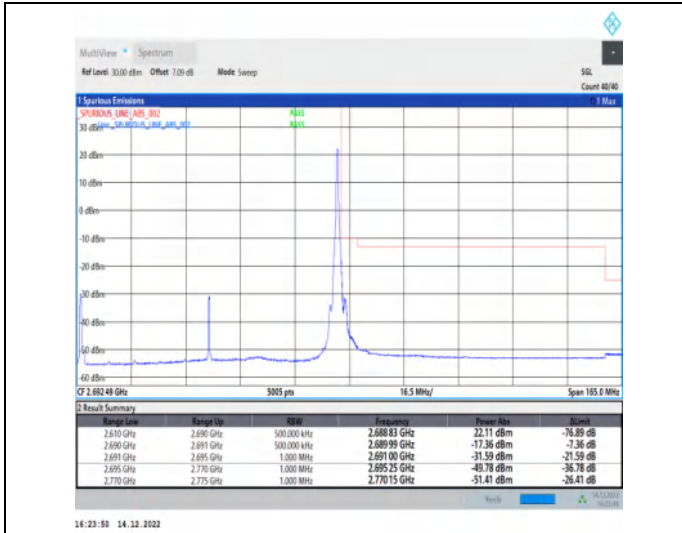


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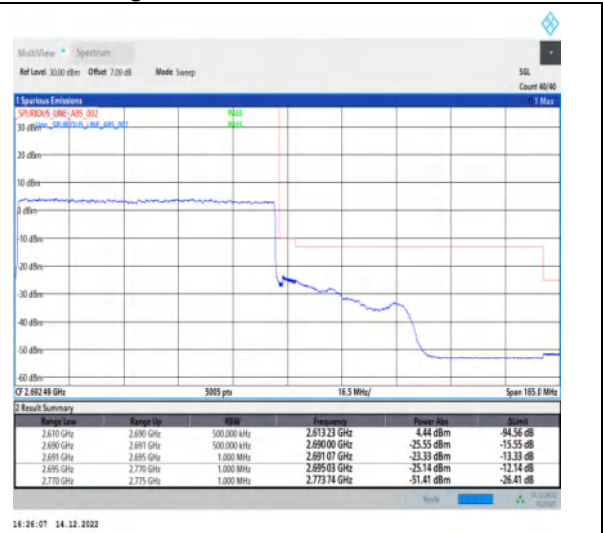
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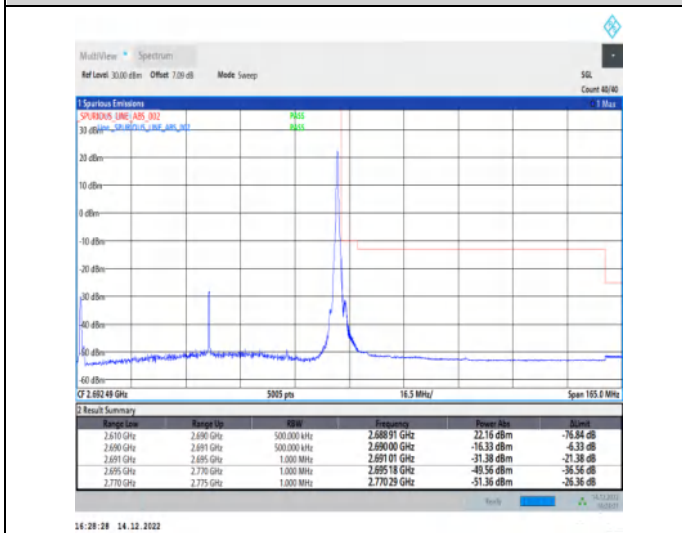




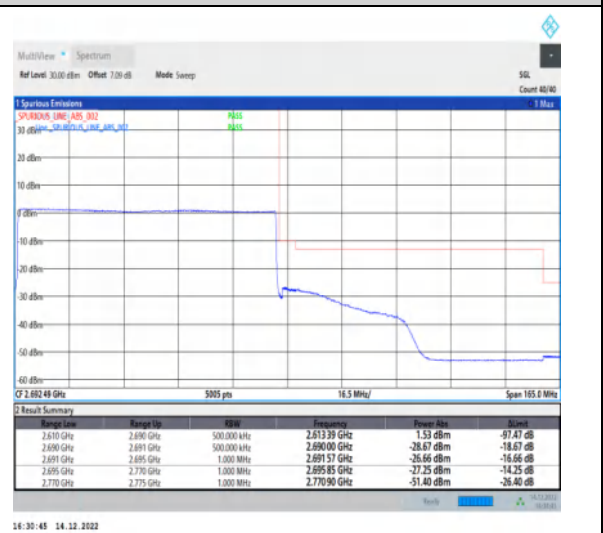
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1-N41-30-80-H-5-CP-QPSK-Edge\_1RB\_Right-1@216-Ant1-1--PASS-see graph



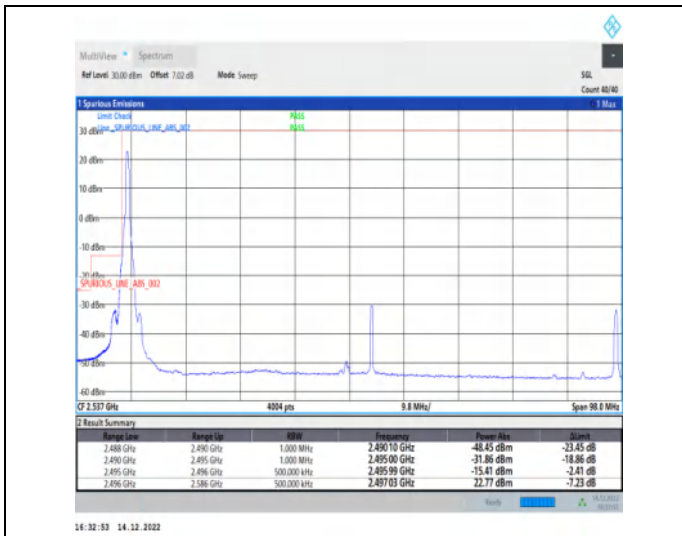
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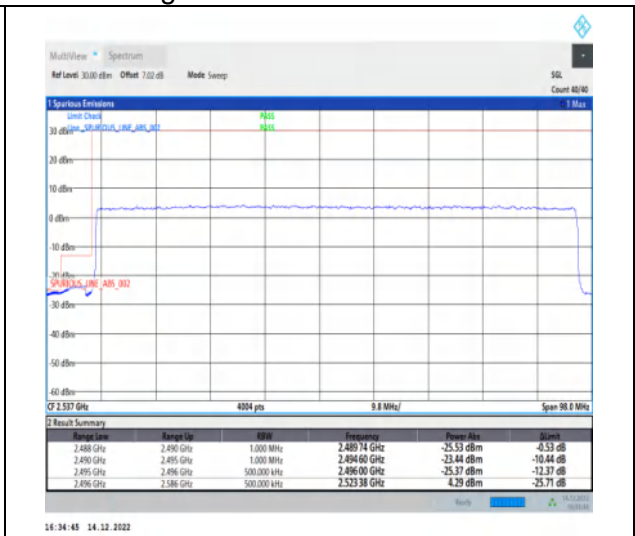
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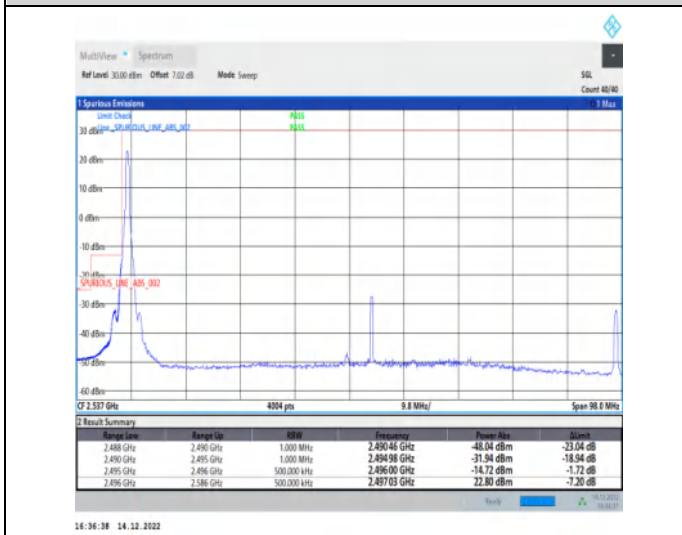
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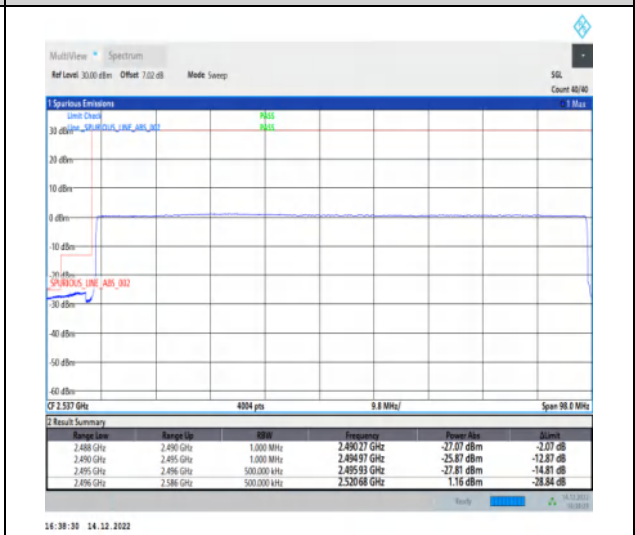
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1-N41-30-90-L-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant1-1--PASS-see graph



1-N41-30-90-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



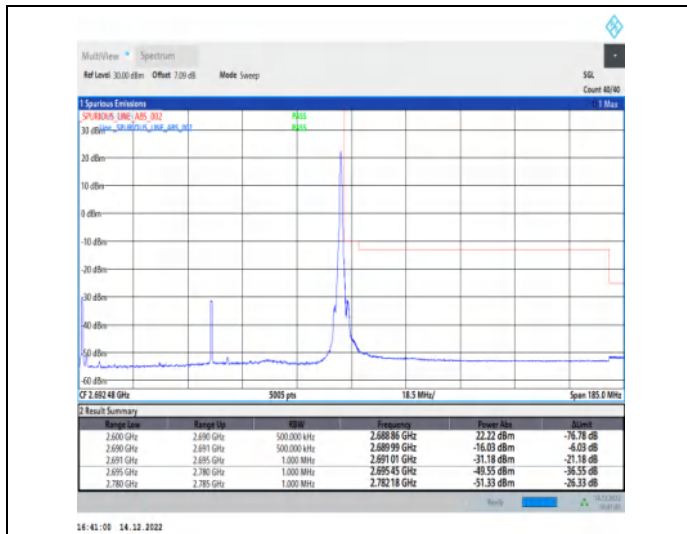
1-N41-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant1-1--PASS-see graph



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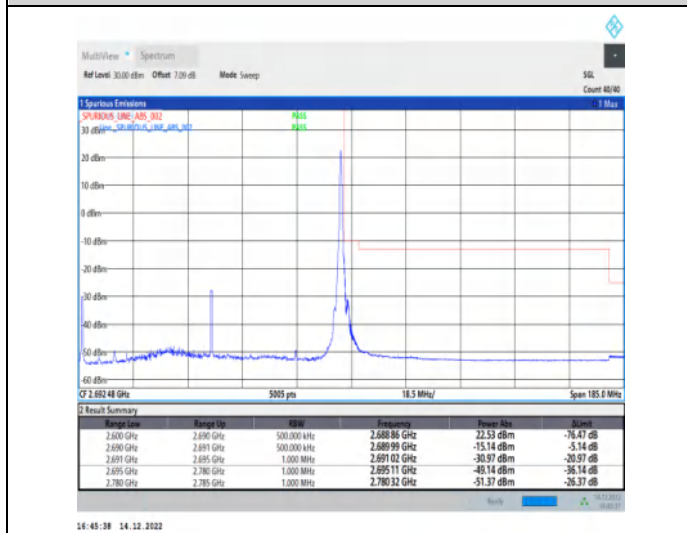
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1-N41-30-90-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@244-Ant1-1--PASS-see graph



1-N41-30-90-H-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant1-1--PASS-see graph

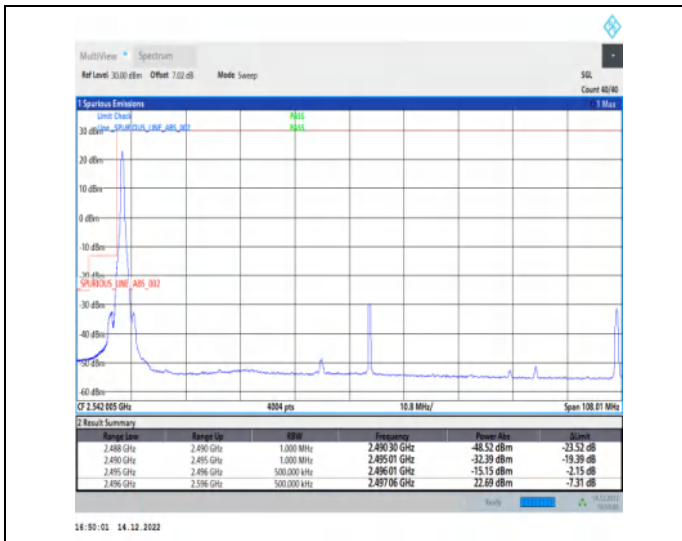


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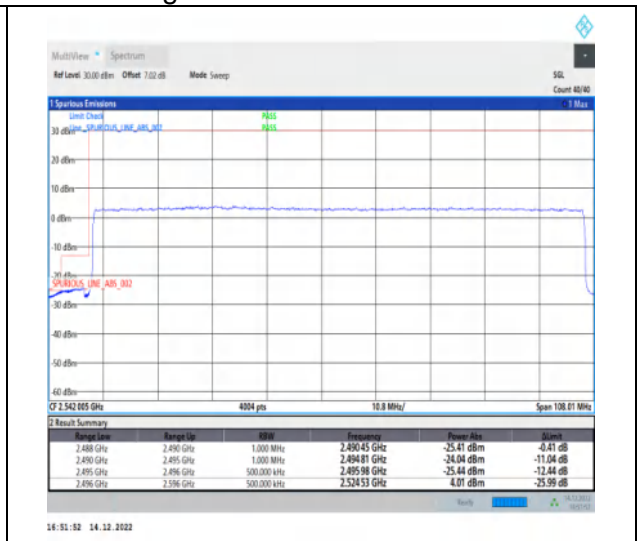


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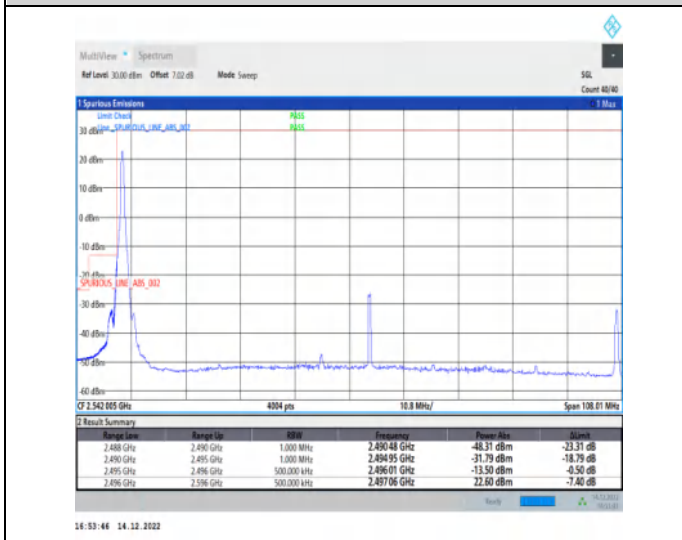




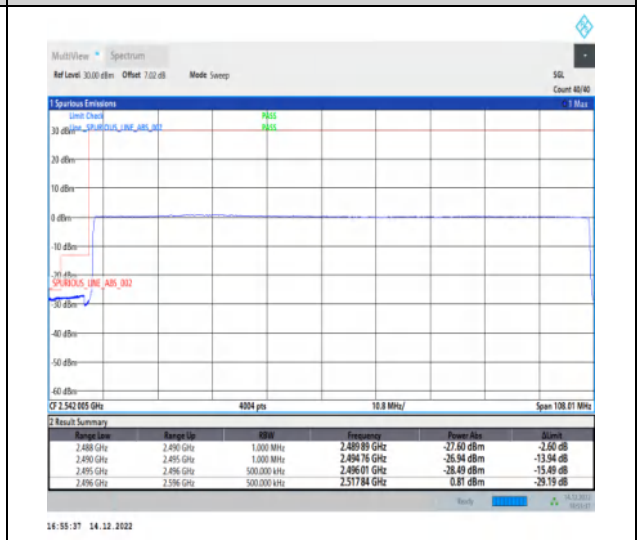
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1-N41-30-100-L-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-1--PASS-see graph



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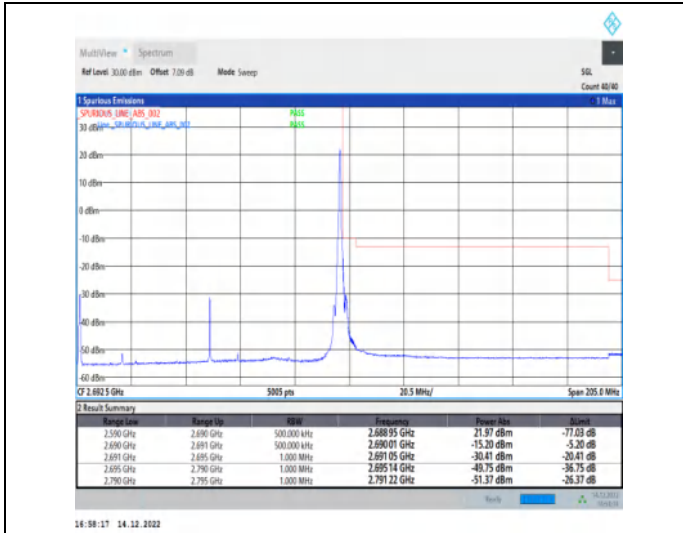
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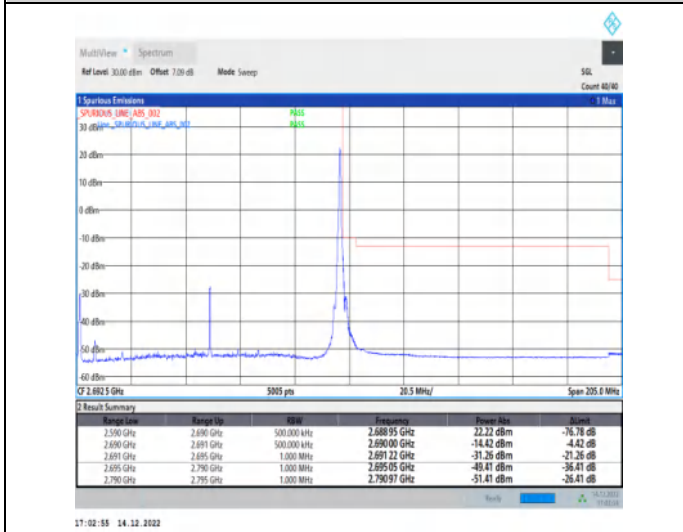
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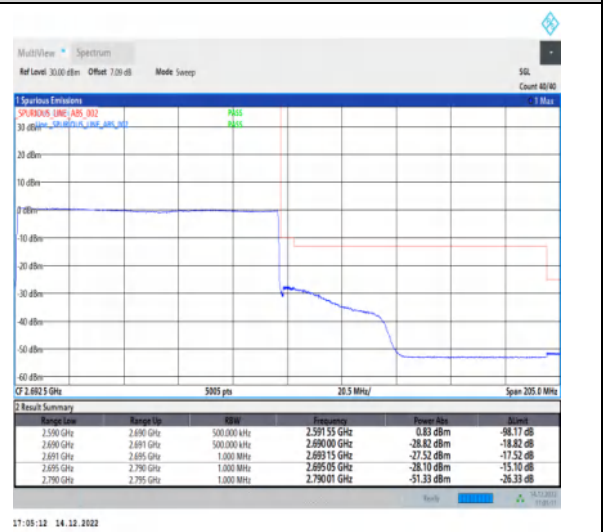
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1-N41-30-100-H-3-DFT-PI2BPSK-Outer\_Full-270 @0-Ant1-1--PASS-see graph



1-N41-30-100-H-5-CP-QPSK-Edge\_1RB\_Right-1 @272-Ant1-1--PASS-see graph



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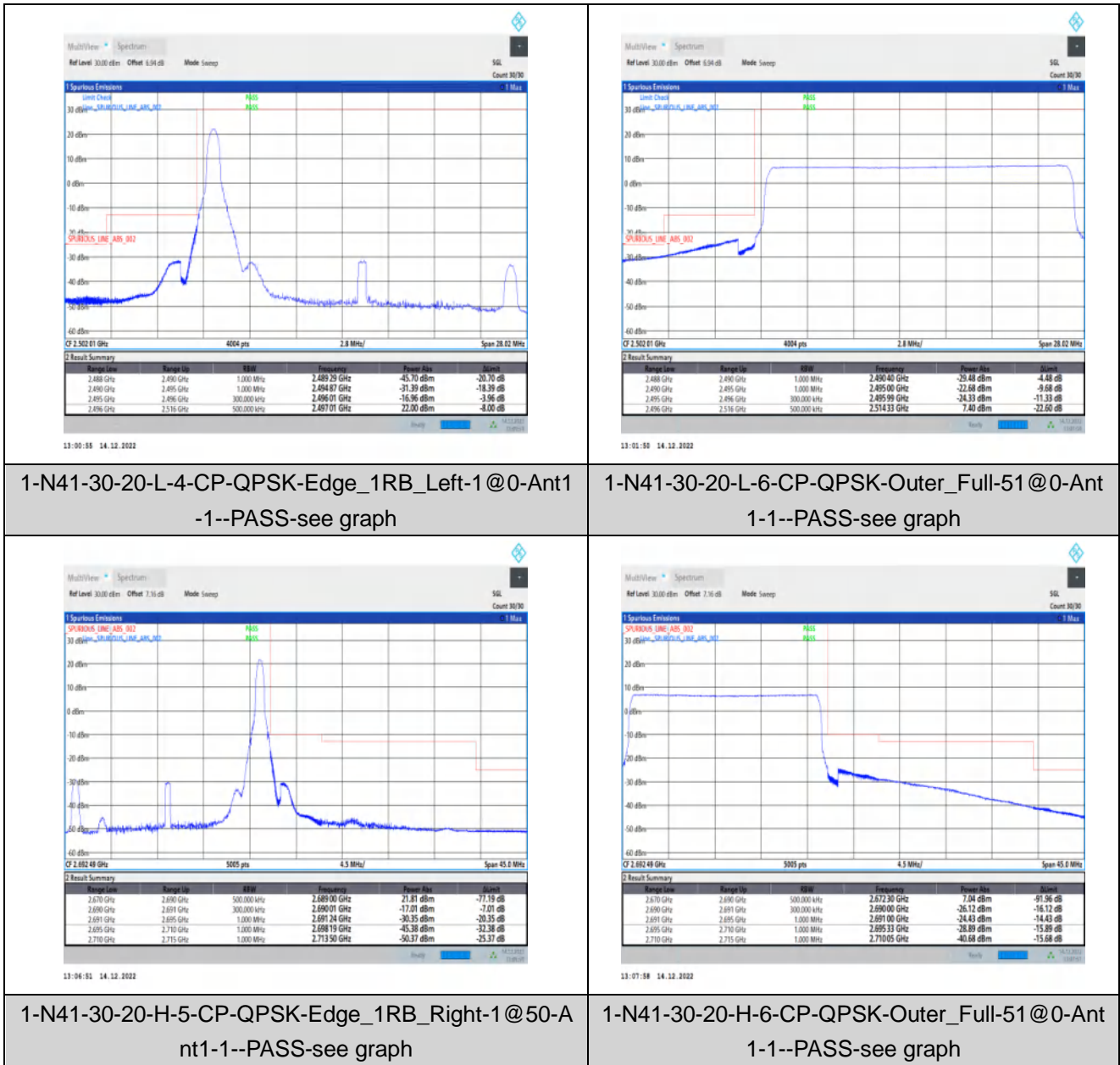
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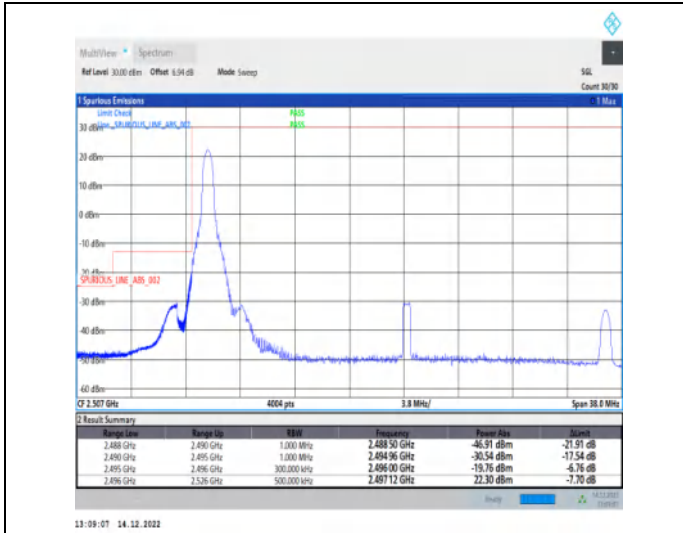
## Band Edge for MIMO

### Test Graphs

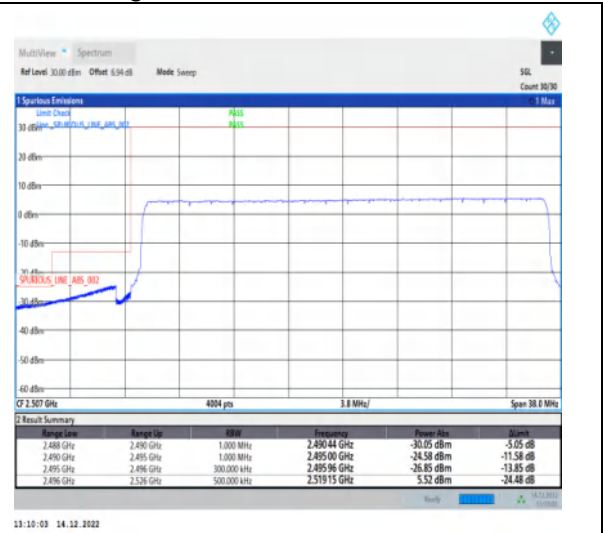


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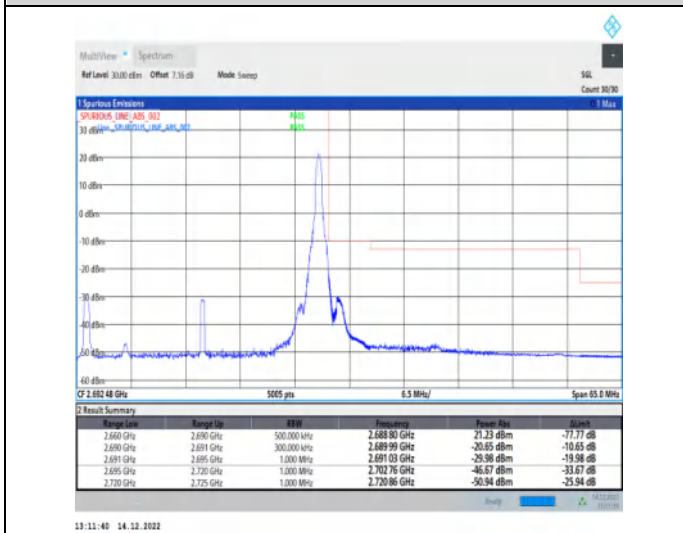
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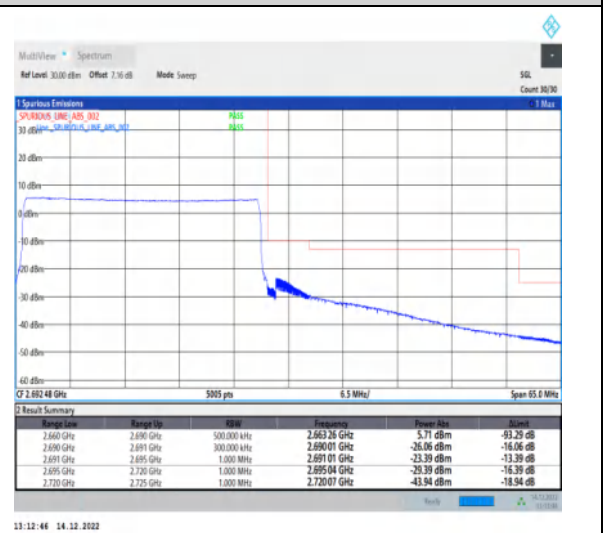
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1-N41-30-30-L-6-CP-QPSK-Outer\_Full-78@0-Ant1  
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1-N41-30-30-H-5-CP-QPSK-Edge\_1RB\_Right-1@77-Ant1  
1-1--PASS-see graph



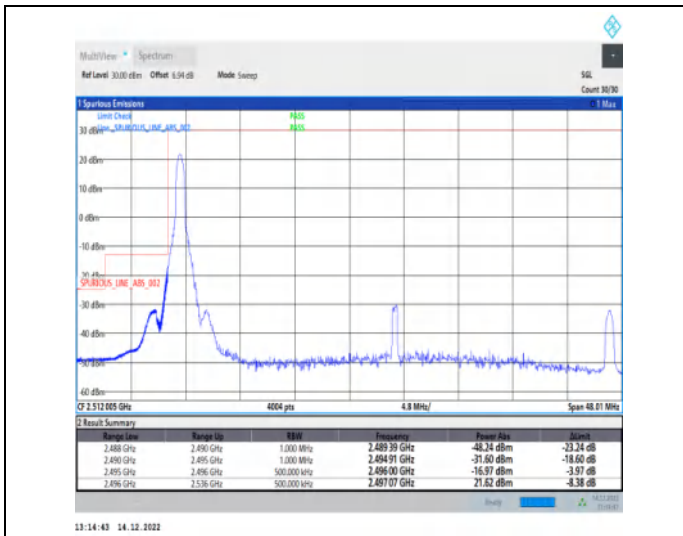
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1-1--PASS-see graph



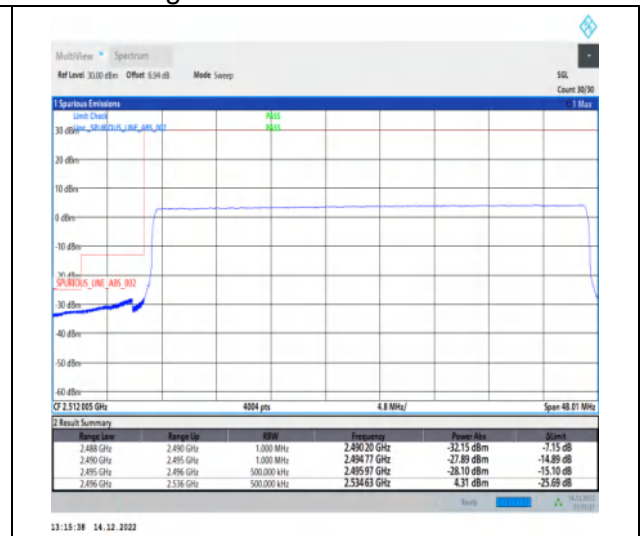
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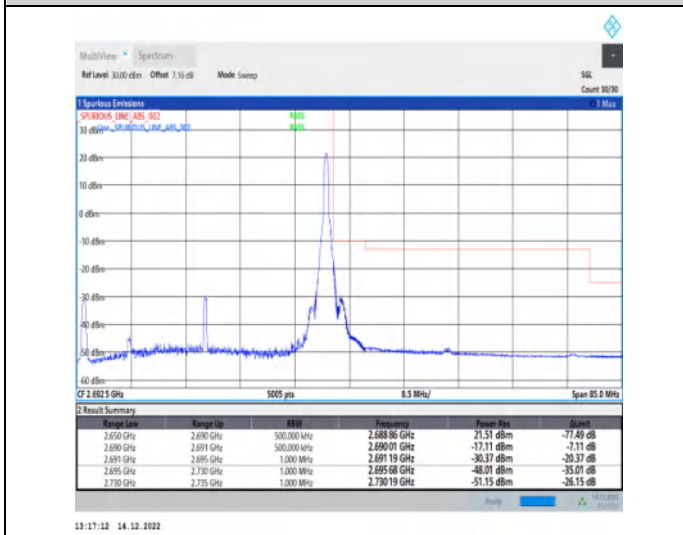
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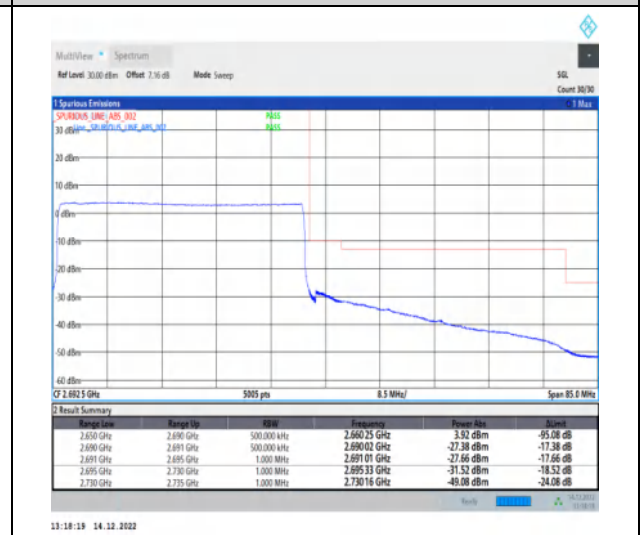
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-1--PASS-see graph



1-N41-30-40-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-1--PASS-see graph



1-N41-30-40-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-1--PASS-see graph



1-N41-30-40-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-1--PASS-see graph

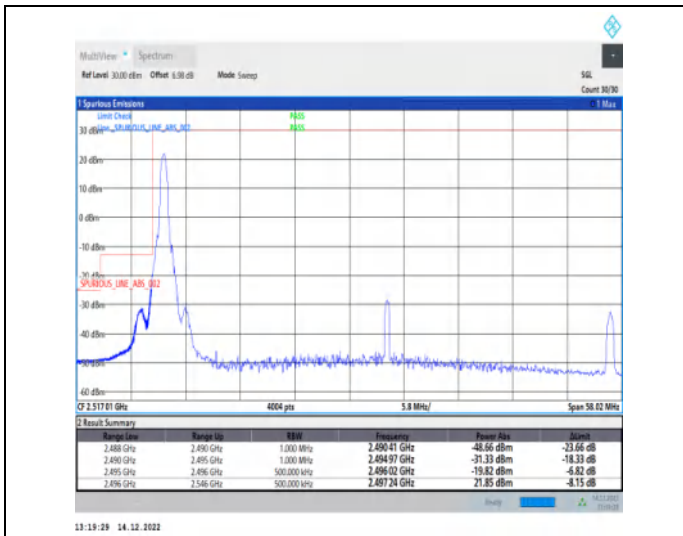


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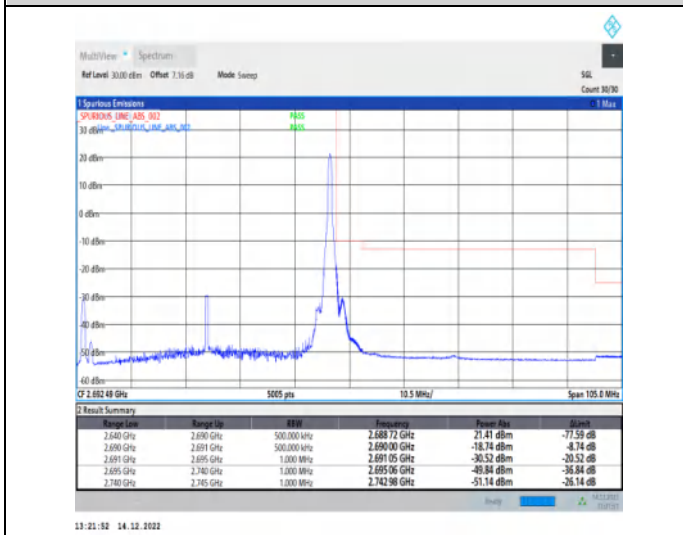




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-1--PASS-see graph



1-N41-30-50-L-6-CP-QPSK-Outer\_Full-133@0-Ant1-1--PASS-see graph



1-N41-30-50-H-5-CP-QPSK-Edge\_1RB\_Right-1@132-Ant1-1--PASS-see graph



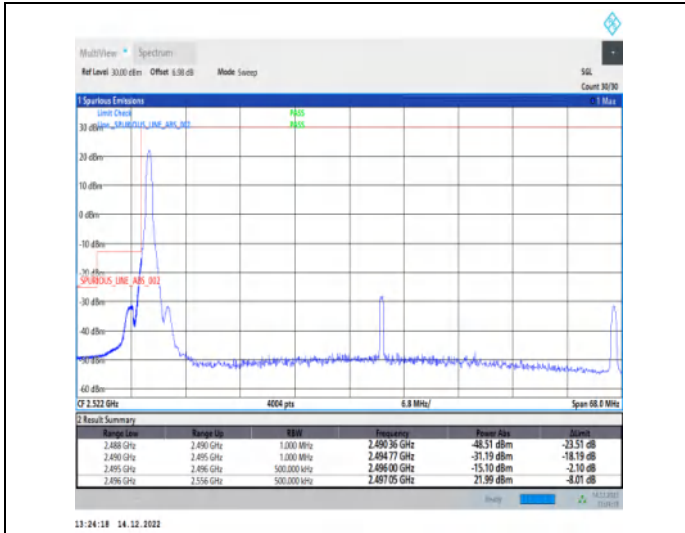
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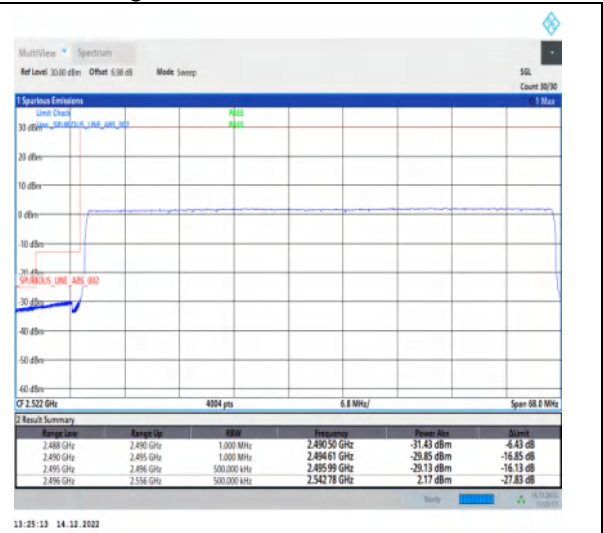
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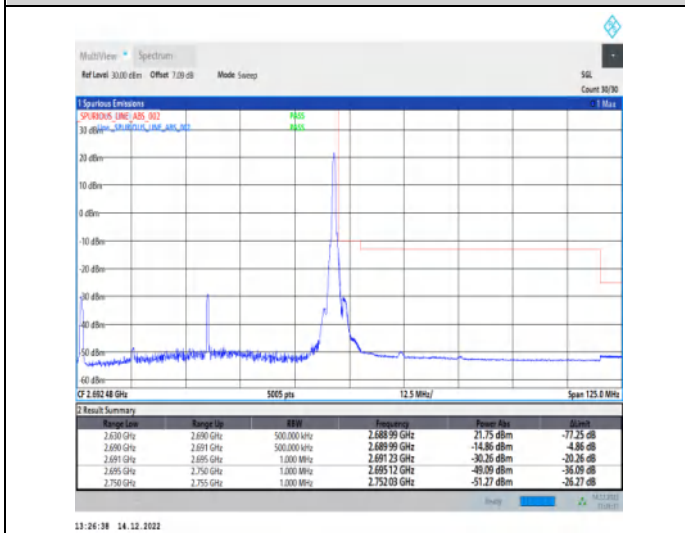
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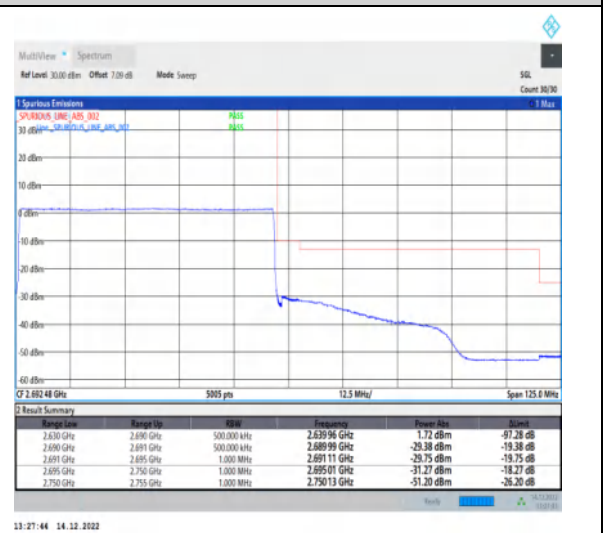
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-1--PASS-see graph



1-N41-30-60-L-6-CP-QPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



1-N41-30-60-H-5-CP-QPSK-Edge\_1RB\_Right-1@161-Ant1-1--PASS-see graph



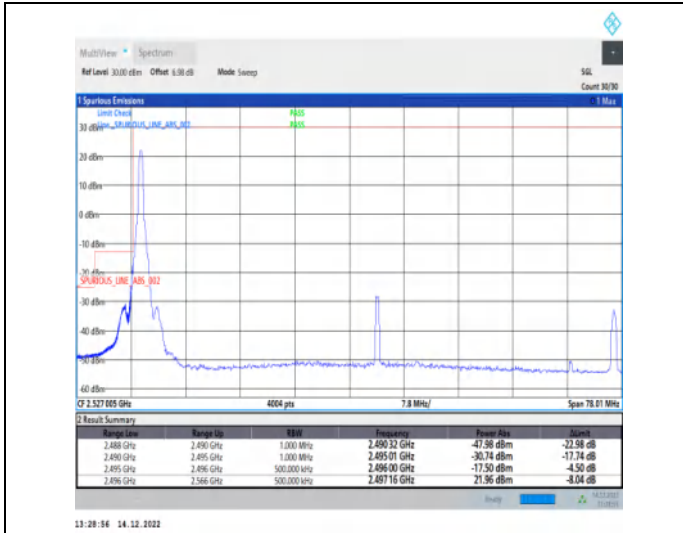
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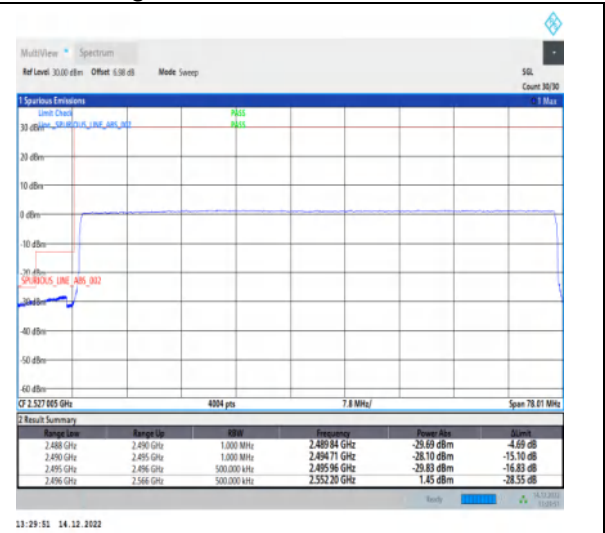
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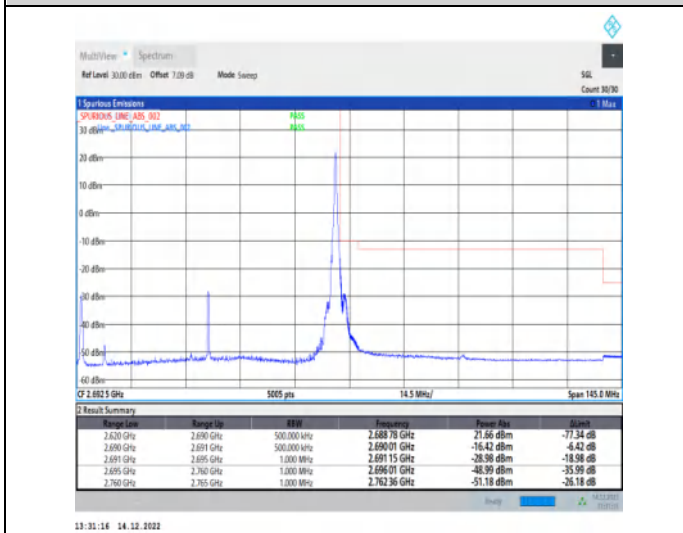
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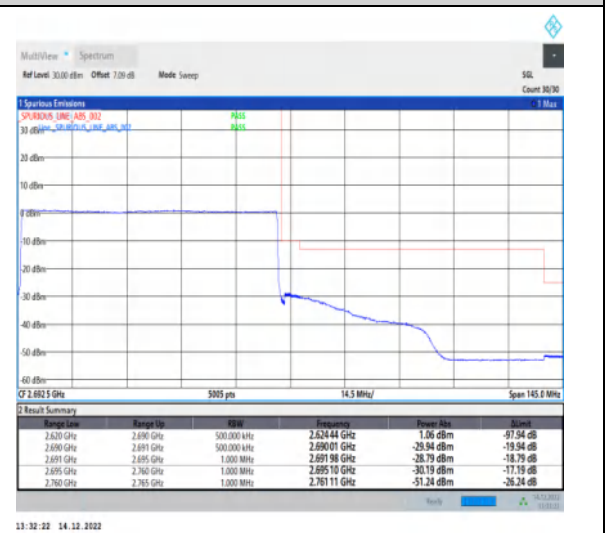
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-1--PASS-see graph



1-N41-30-70-L-6-CP-QPSK-Outer\_Full-189@0-Ant1-1--PASS-see graph



1-N41-30-70-H-5-CP-QPSK-Edge\_1RB\_Right-1@188-Ant1-1--PASS-see graph



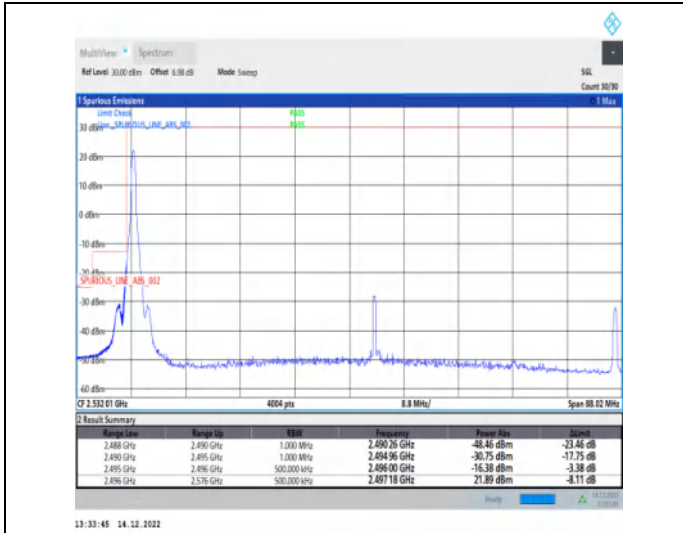
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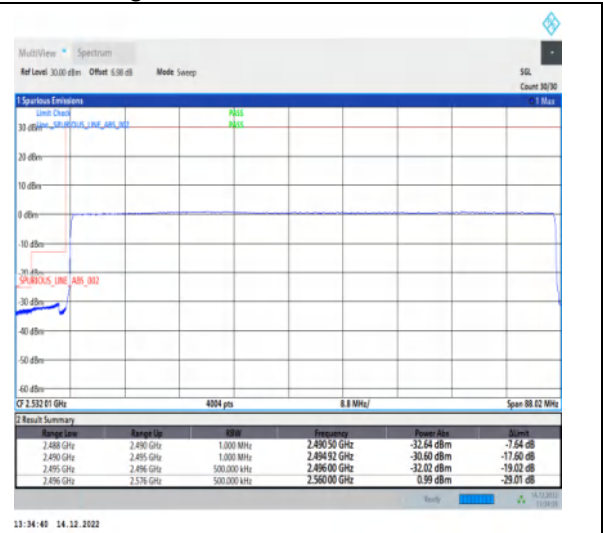
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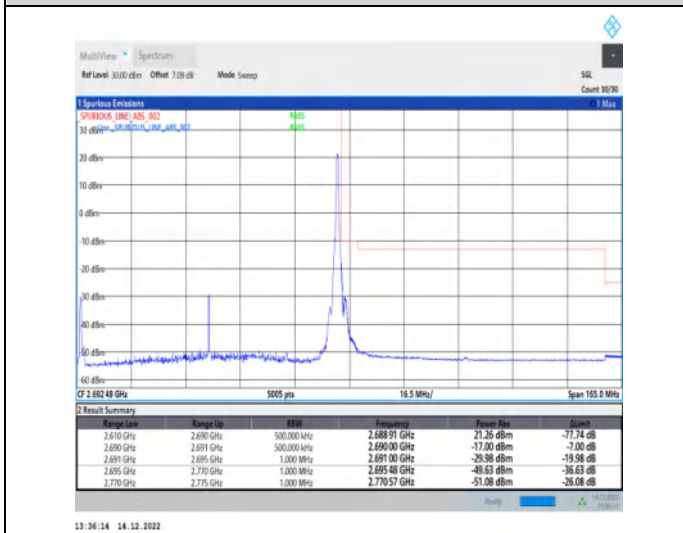
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1-N41-30-80-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1  
-1--PASS-see graph



1-N41-30-80-L-6-CP-QPSK-Outer\_Full-217@0-Ant1-1--PASS-see graph



1-N41-30-80-H-5-CP-QPSK-Edge\_1RB\_Right-1@216-Ant1-1--PASS-see graph



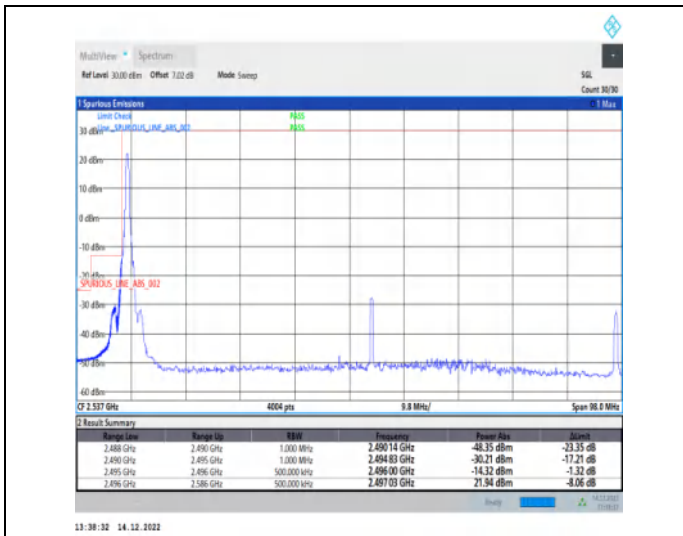
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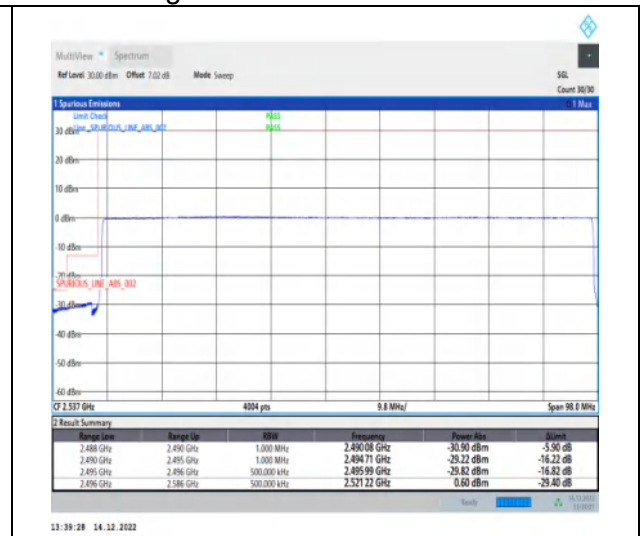
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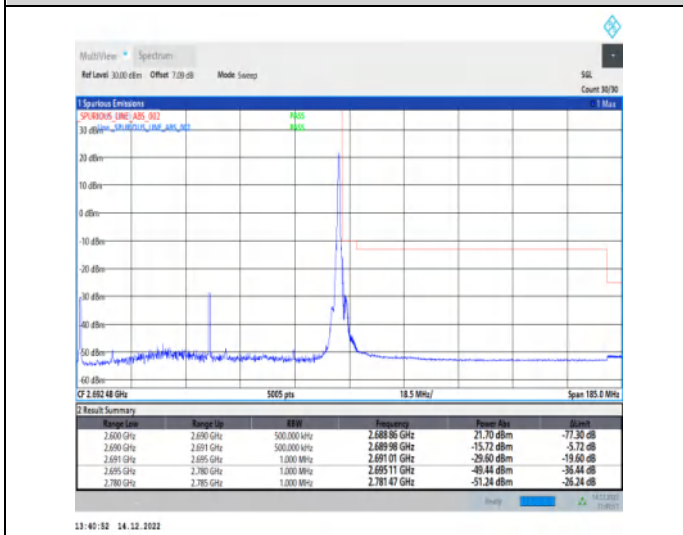
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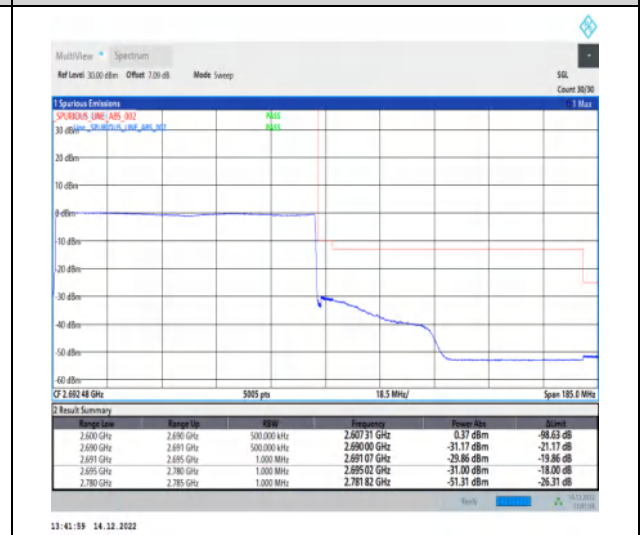
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1-N41-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant1-1--PASS-see graph



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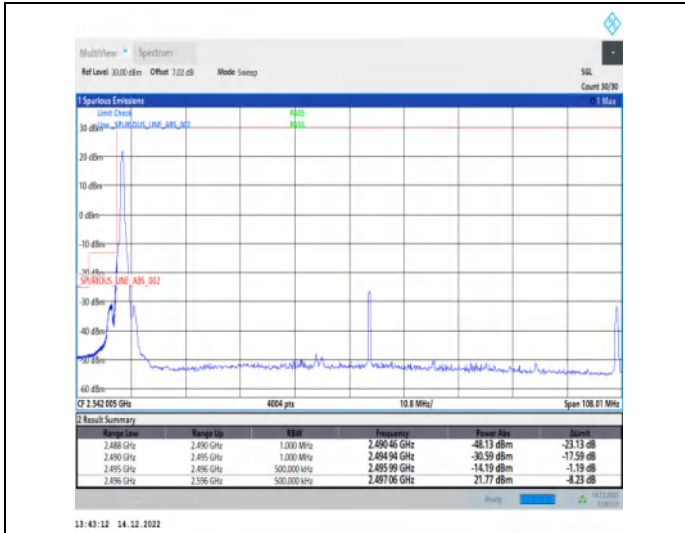
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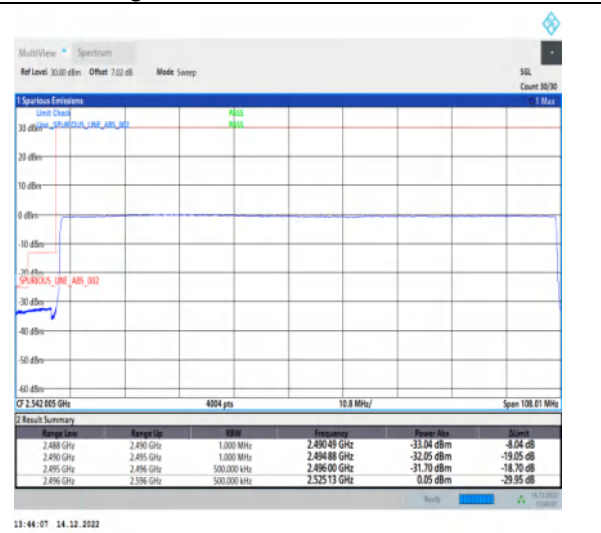
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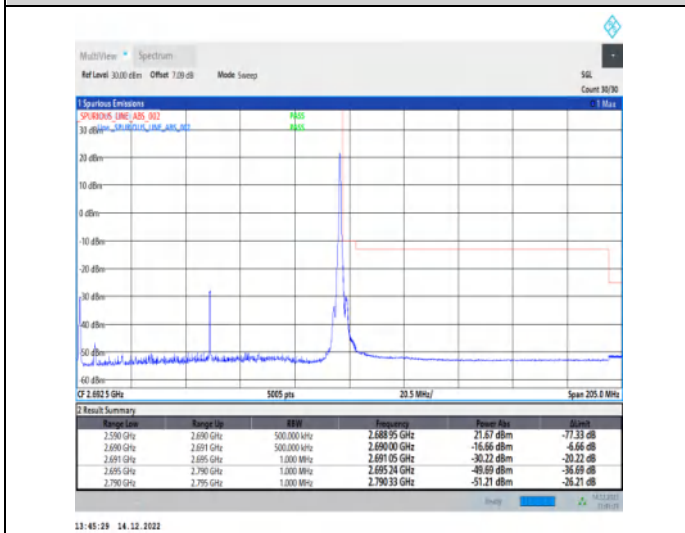
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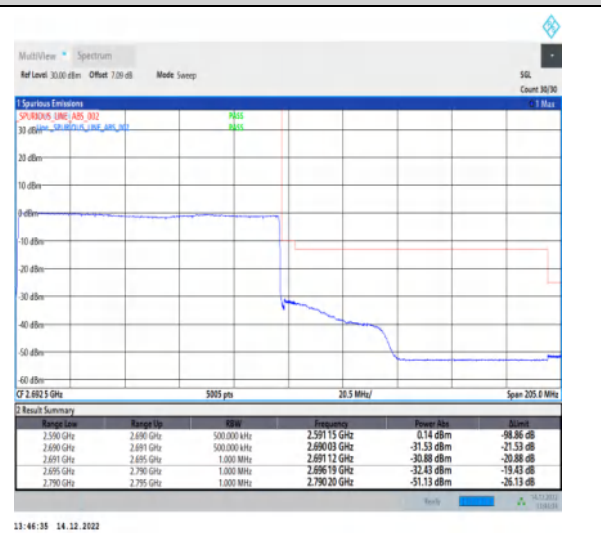
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1-N41-30-100-L-6-CP-QPSK-Outer\_Full-273@0-A  
nt1-1--PASS-see graph



1-N41-30-100-H-5-CP-QPSK-Edge\_1RB\_Right-1@272  
-Ant1-1--PASS-see graph



1-N41-30-100-H-6-CP-QPSK-Outer\_Full-273@0-  
Ant1-1--PASS-see graph



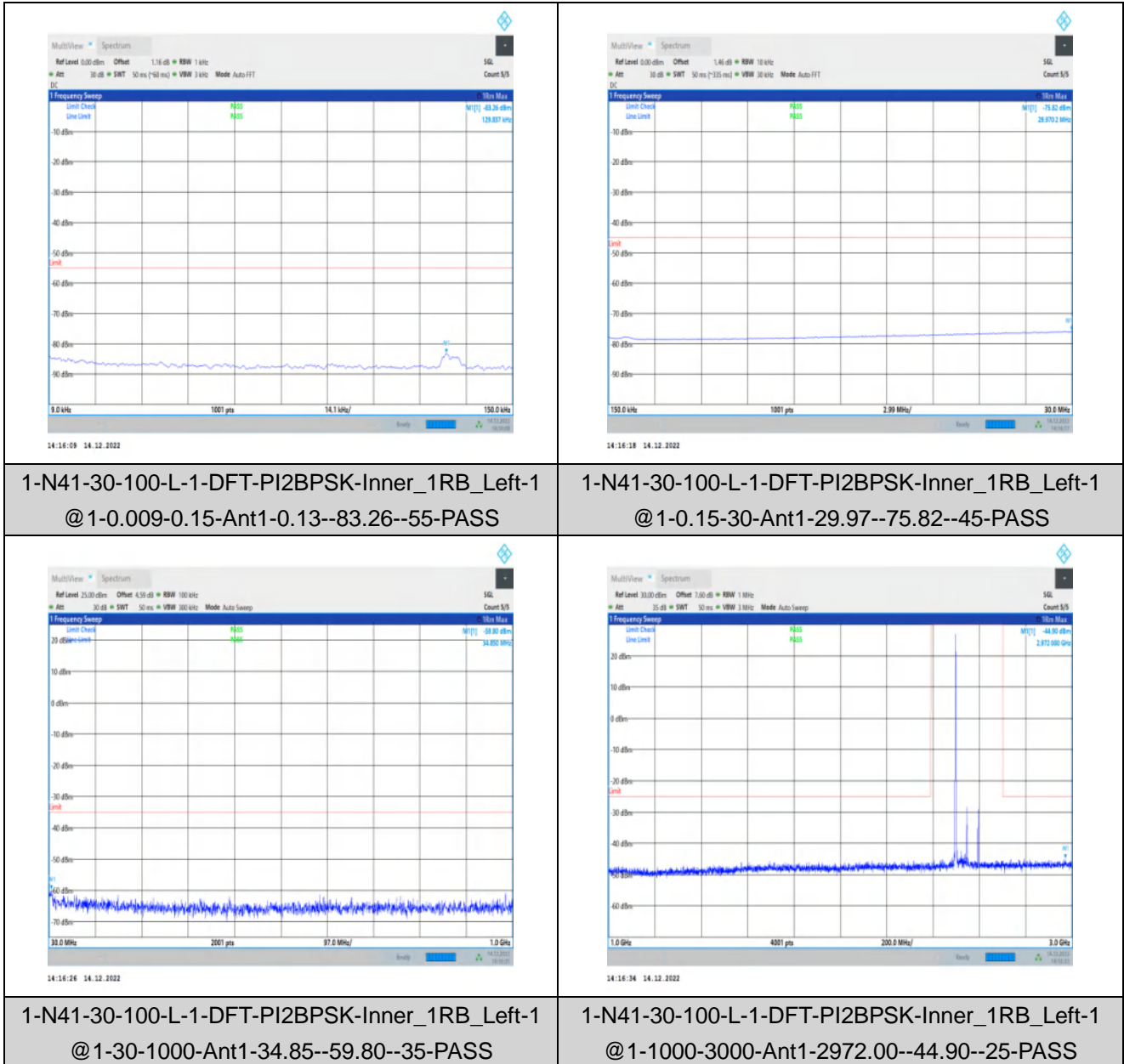
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## Conducted Spurious Emission for SA

### Test Graphs

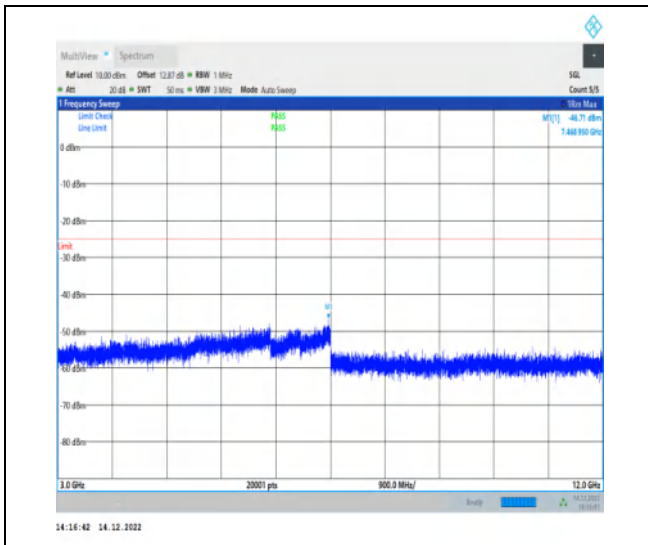


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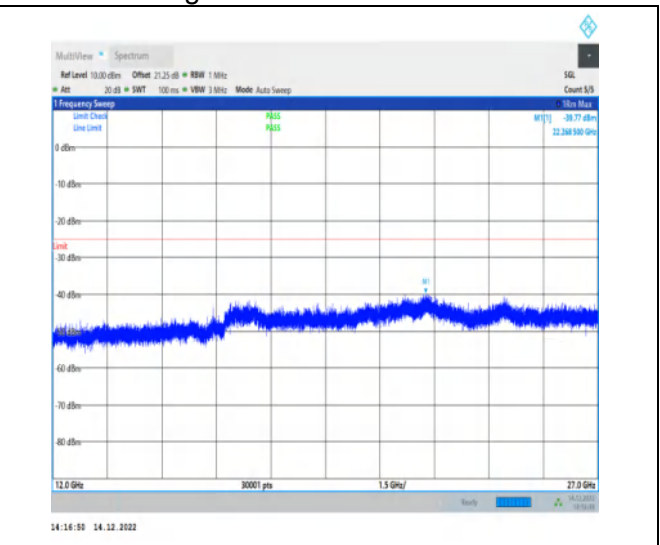
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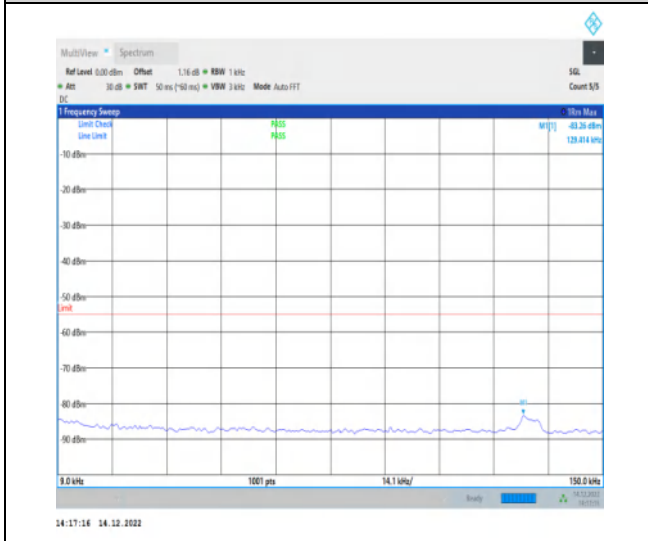
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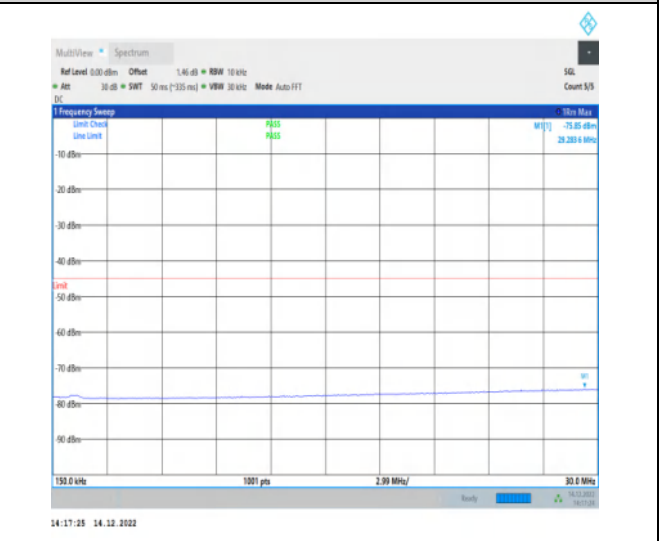
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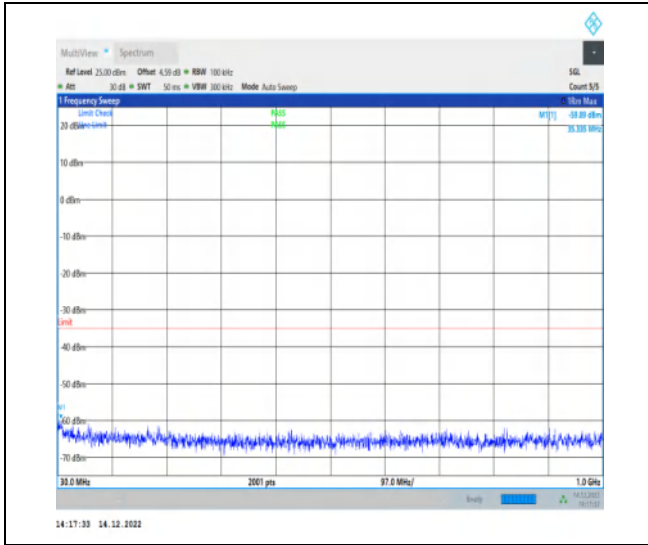
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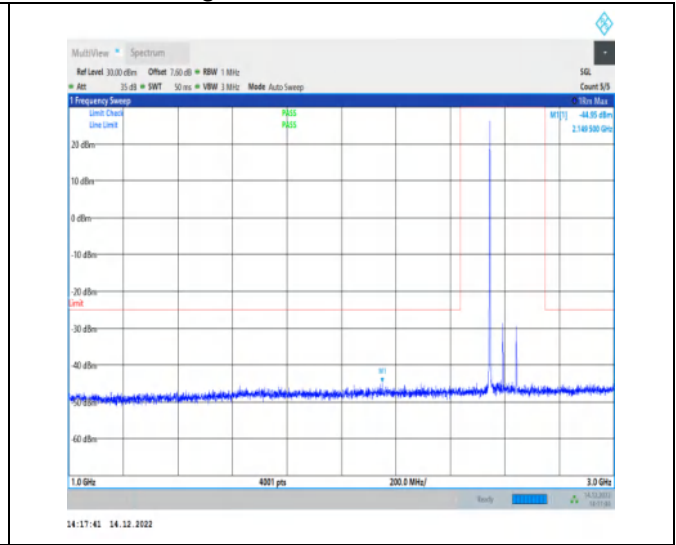
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@ 1-0.15-30-Ant1-29.28--75.85--45-PASS



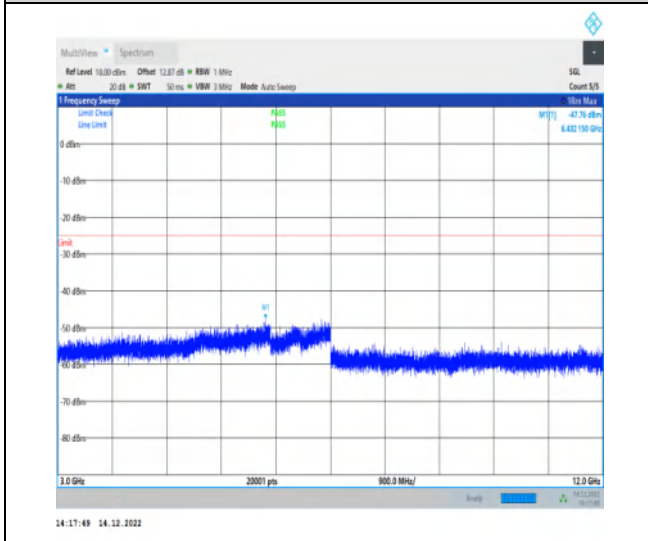




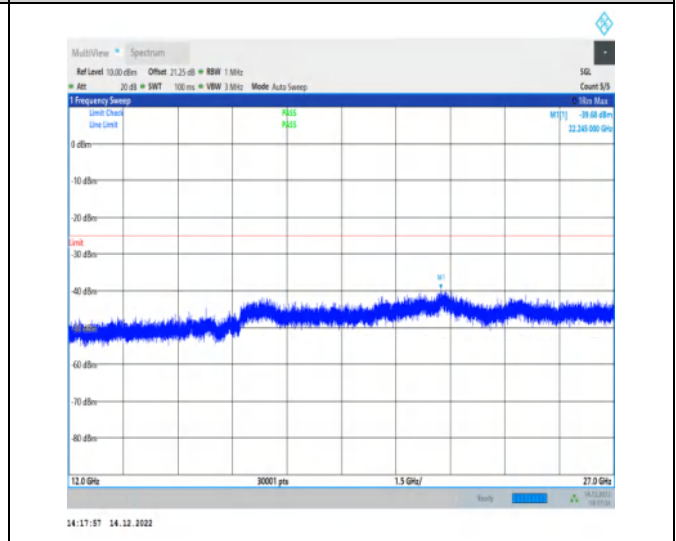
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@ 1-30-1000-Ant1-35.34--59.89--35-PASS



1-N41-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1  
@ 1-1000-3000-Ant1-2149.50--44.95--25-PASS



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@ 1-3000-12000-Ant1-6432.15--47.76--25-PASS



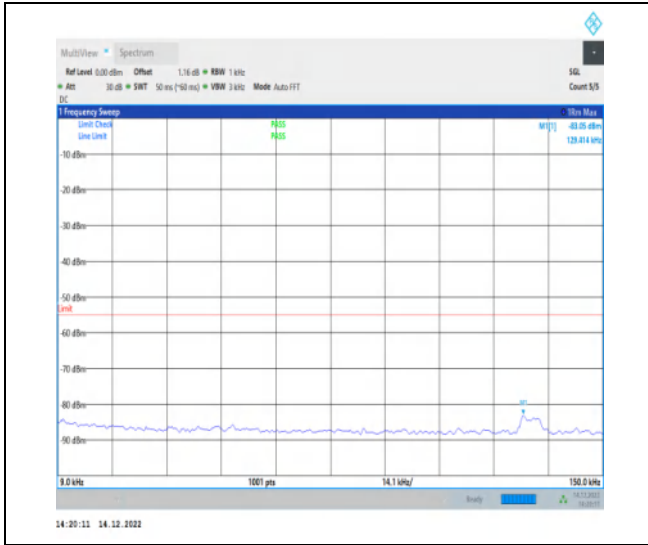
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@ 1-12000-27000-Ant1-22245.00--39.68--25-PASS



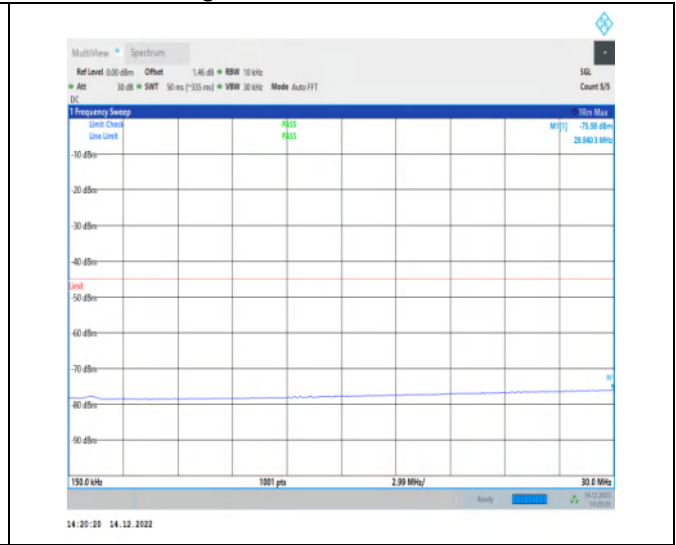
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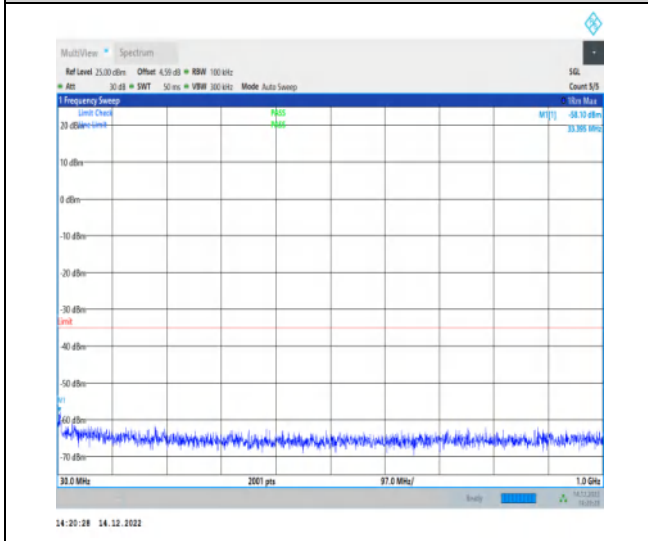
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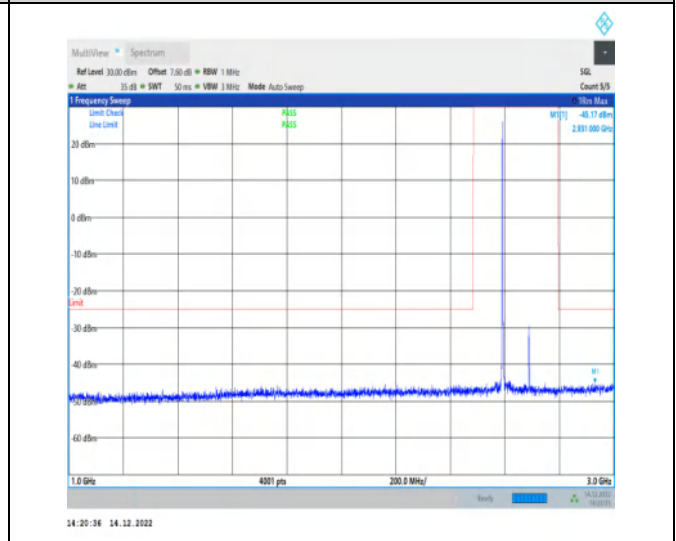
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@ 1-0.009-0.15-Ant1-0.13--83.05--55-PASS



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@ 1-0.15-30-Ant1-29.94--75.98--45-PASS

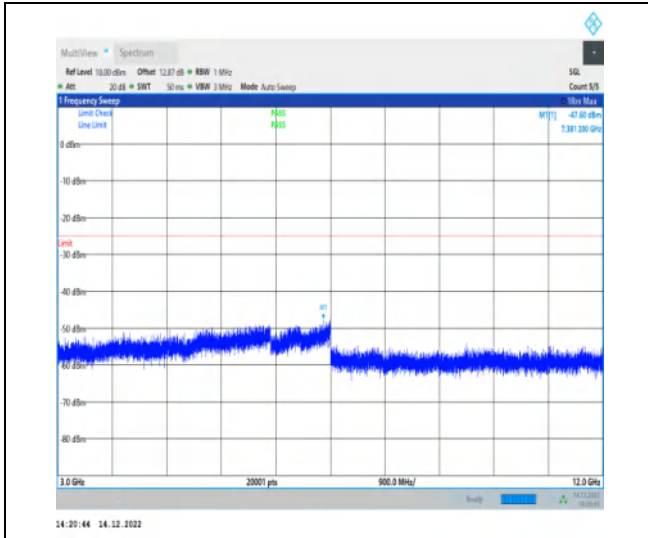


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@ 1-30-1000-Ant1-33.40--58.10--35-PASS

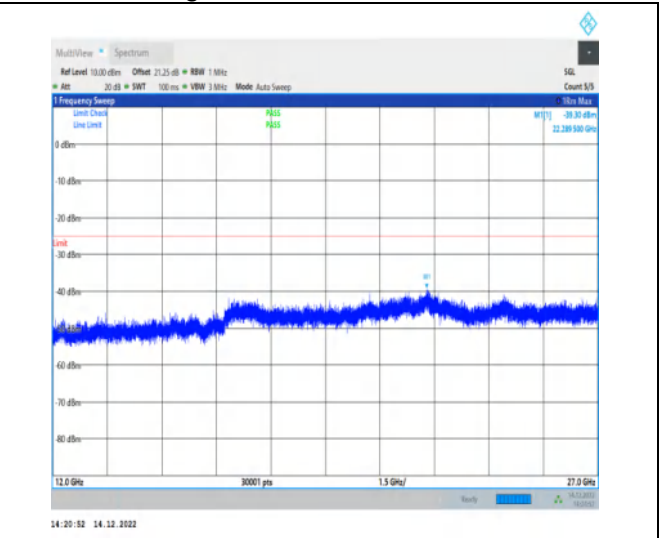


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@ 1-1000-3000-Ant1-2931.00--45.17--25-PASS





1-N41-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1  
@ 1-3000-12000-Ant1-7381.20--47.60--25-PASS



1-N41-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1  
@ 1-12000-27000-Ant1-22289.50--39.30--25-PASS



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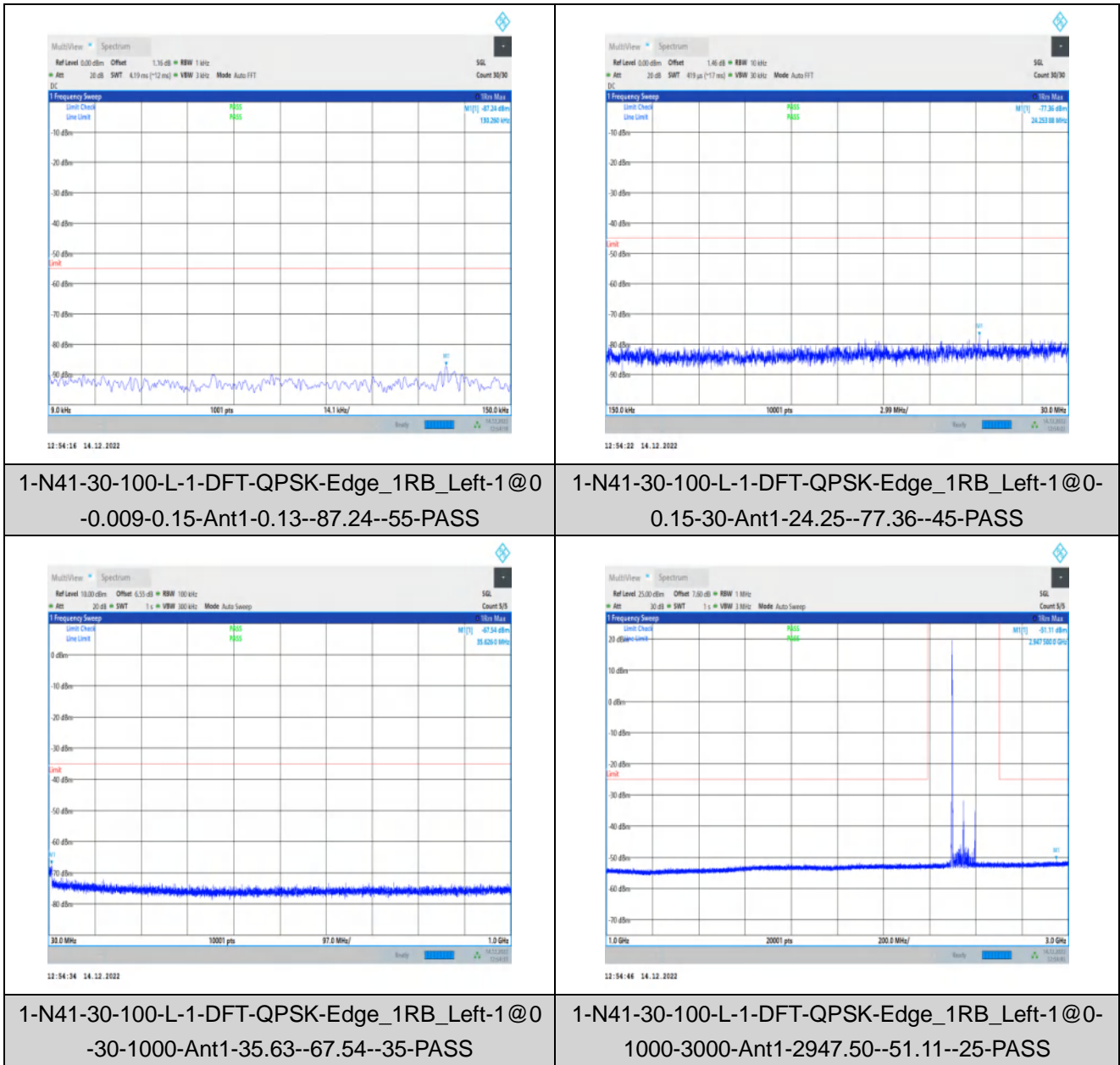
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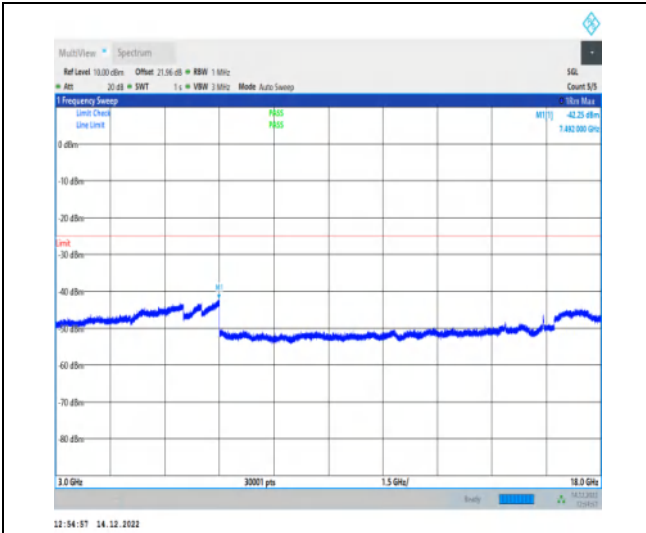
### Conducted Spurious Emission for MIMO

#### Test Graphs

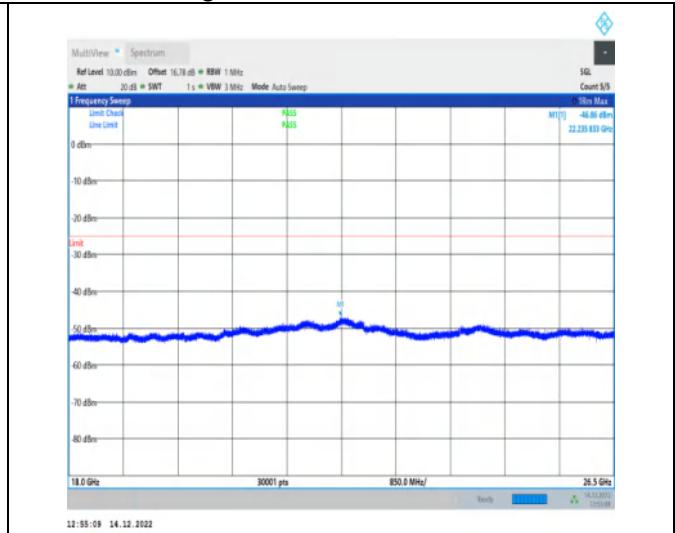


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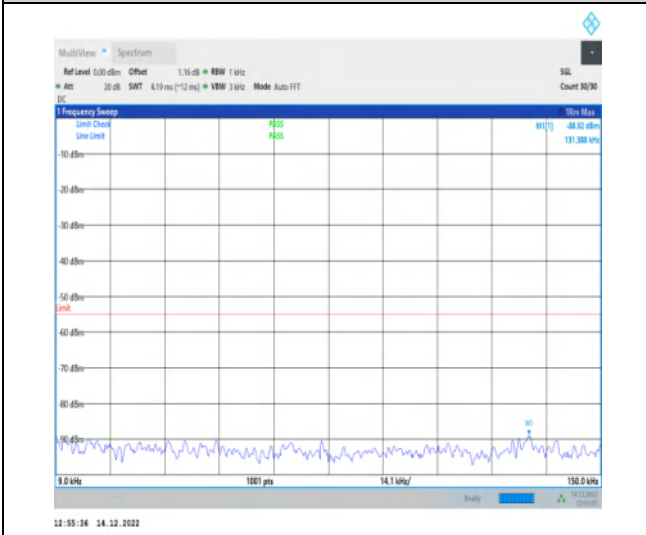
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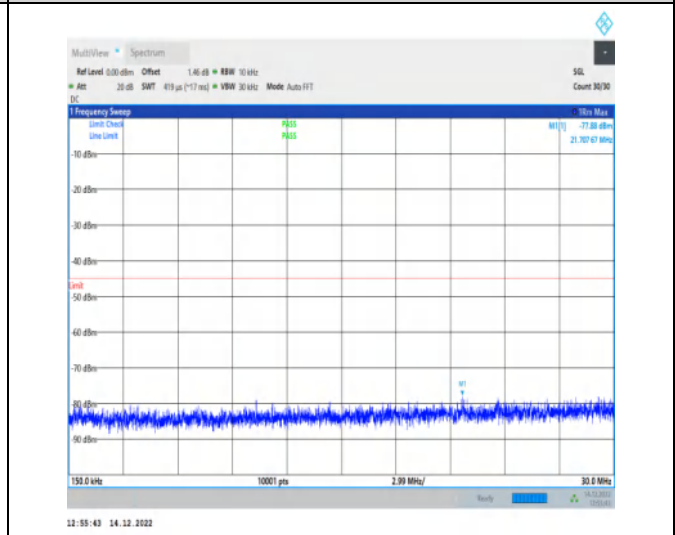
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1-N41-30-100-L-1-DFT-QPSK-Edge\_1RB\_Left-1@0-18000-26500-Ant1-22235.83--46.86--25-PASS



1-N41-30-100-M-1-DFT-QPSK-Edge\_1RB\_Left-1@0-0.009-0.15-Ant1-0.13--88.92--55-PASS



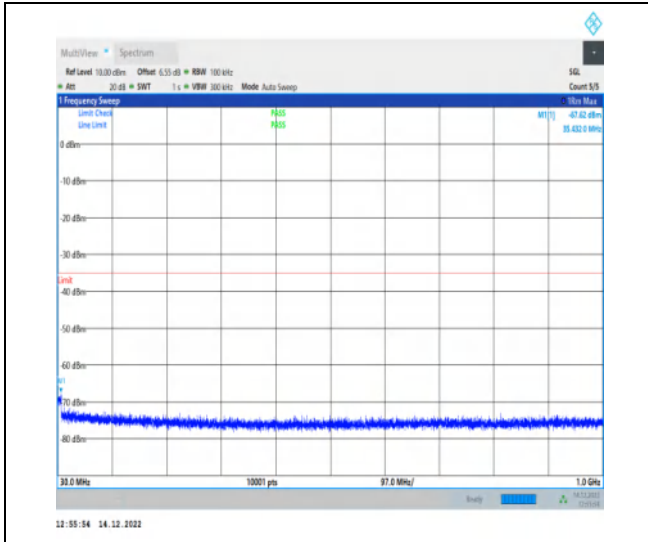
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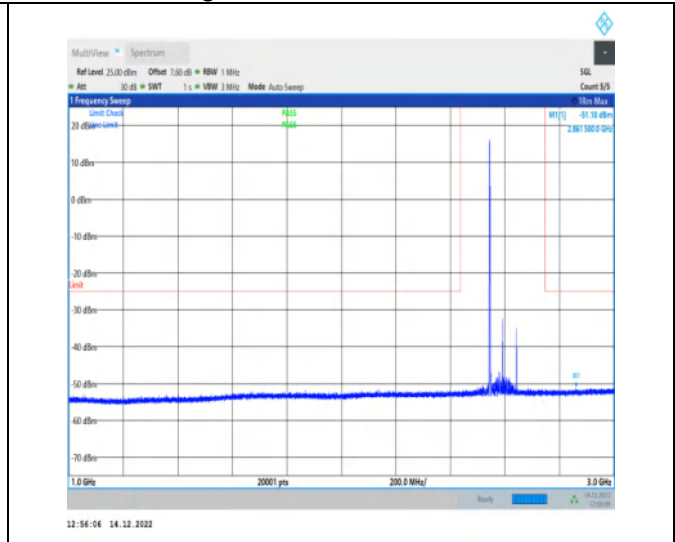
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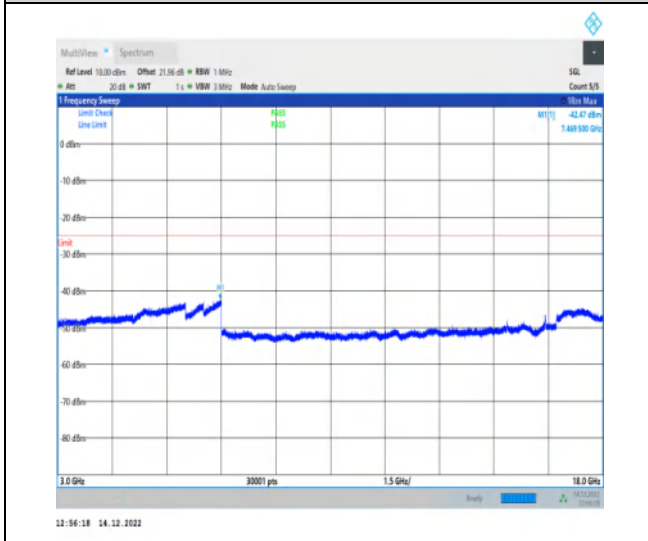
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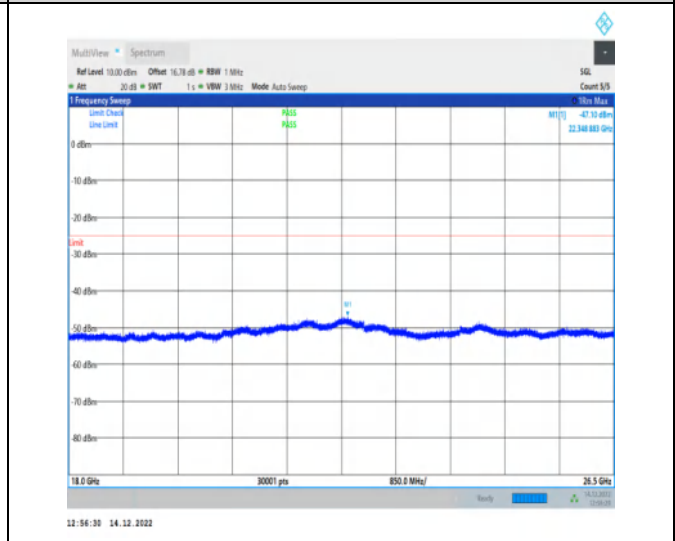
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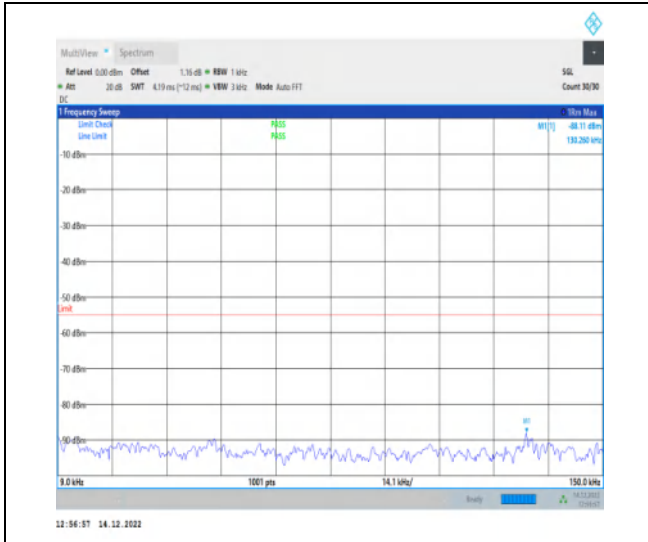


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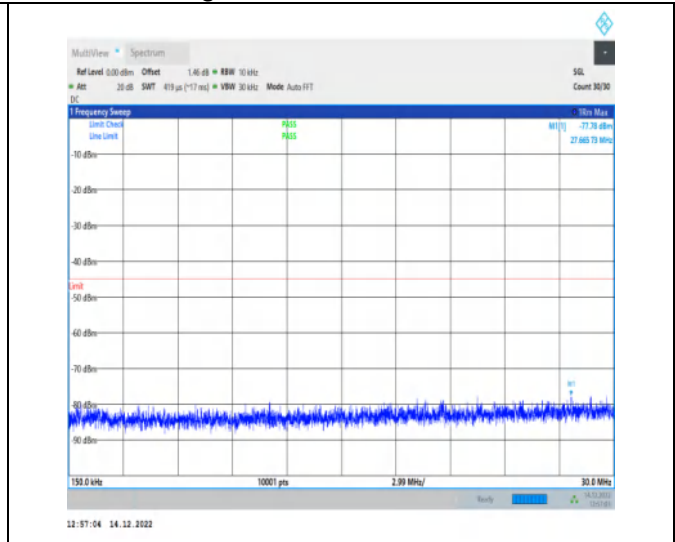


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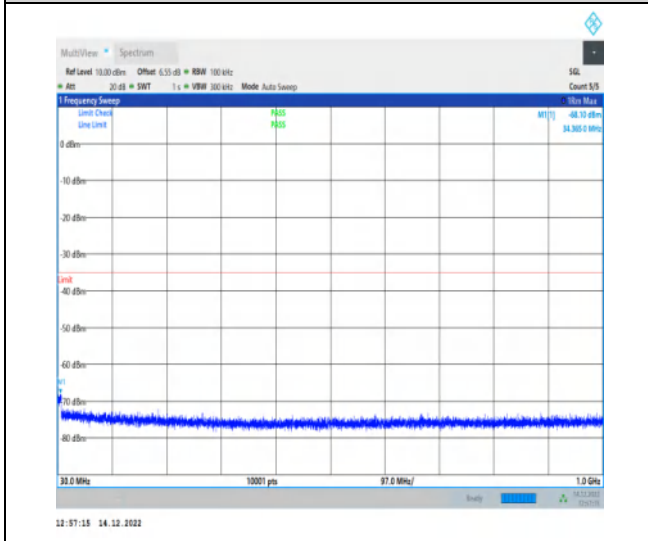




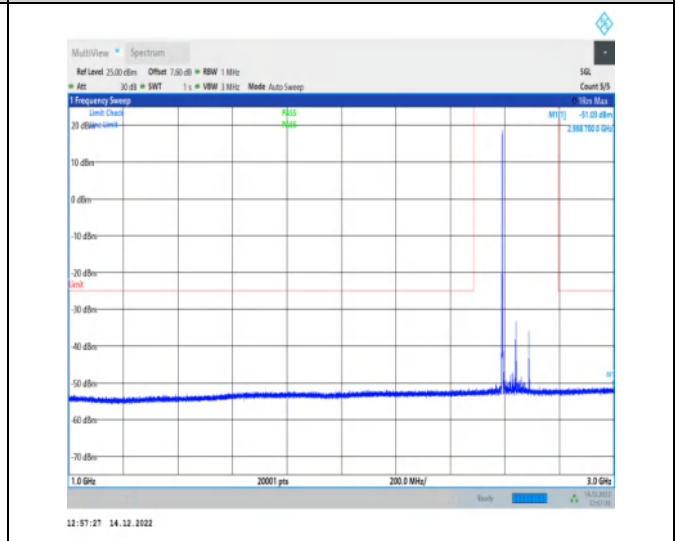
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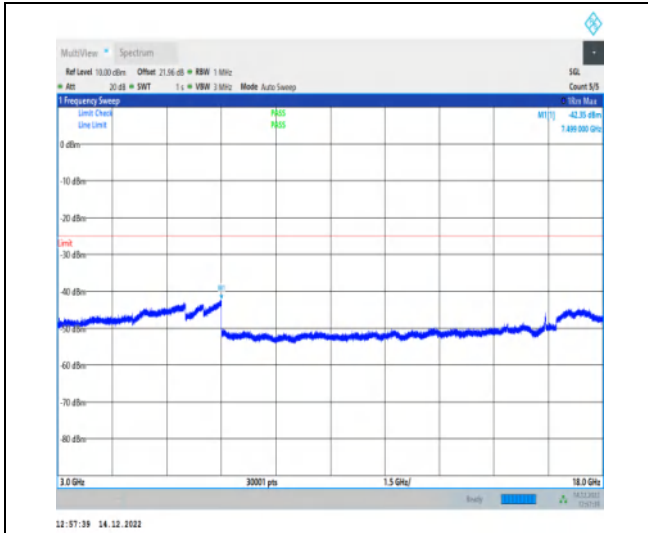


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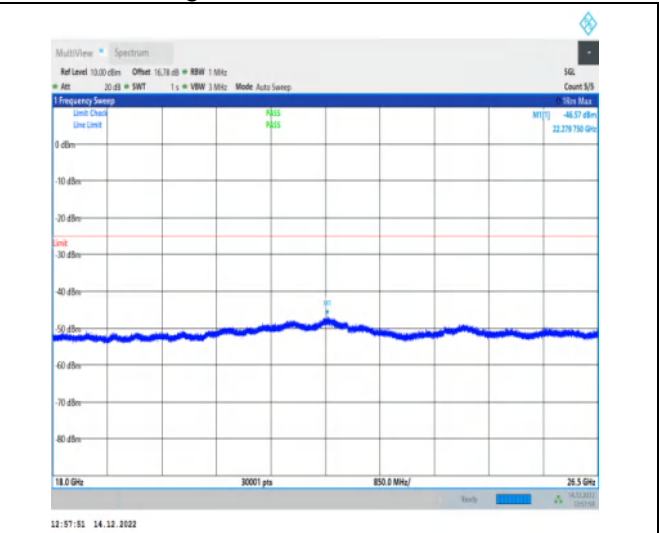


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1-N41-30-100-H-1-DFT-QPSK-Edge\_1RB\_Left-1@  
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1-N41-30-100-H-1-DFT-QPSK-Edge\_1RB\_Left-1@0-  
18000-26500-Ant1-22279.75--46.57--25-PASS



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## Field Strength of Spurious Radiation

Test Band = SA Band 41 ANT0\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	39.69	-44.92	32.60	-67.89	-25.00	42.89	285	265	Horizontal
2	7503.3	38.53	-41.59	36.51	-61.81	-25.00	36.81	263	99	Horizontal
3	10004.4	33.72	-37.13	38.50	-60.17	-25.00	35.17	265	360	Horizontal
4	12505.5	30.64	-35.23	39.11	-60.74	-25.00	35.74	241	203	Horizontal
5	15006.6	30.91	-34.00	39.19	-59.16	-25.00	34.16	142	246	Horizontal
6	17507.7	29.71	-31.88	40.63	-56.80	-25.00	31.80	255	246	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	39.43	-44.92	32.60	-68.15	-25.00	43.15	296	162	Vertical
2	7503.3	39.04	-41.59	36.51	-61.30	-25.00	36.30	265	226	Vertical
3	10004.4	32.80	-37.13	38.50	-61.09	-25.00	36.09	241	226	Vertical
4	12505.5	31.20	-35.23	39.11	-60.18	-25.00	35.18	175	3	Vertical
5	15006.6	31.17	-34.00	39.19	-58.90	-25.00	33.90	286	245	Vertical
6	17507.7	30.08	-31.88	40.63	-56.43	-25.00	31.43	263	288	Vertical



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Test Band = SA Band 41 ANT0\_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	40.51	-44.31	32.60	-66.46	-25.00	41.46	296	3	Horizontal
2	7644.24	37.36	-41.29	36.79	-62.40	-25.00	37.40	265	346	Horizontal
3	10192.32	34.50	-36.57	38.71	-58.62	-25.00	33.62	284	360	Horizontal
4	12740.4	31.99	-35.11	39.34	-59.04	-25.00	34.04	174	346	Horizontal
5	15288.48	29.76	-33.71	38.82	-60.39	-25.00	35.39	142	225	Horizontal
6	17836.56	30.74	-30.90	41.95	-53.47	-25.00	28.47	285	185	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	40.49	-44.31	32.60	-66.48	-25.00	41.48	296	3	Vertical
2	7644.24	36.81	-41.29	36.79	-62.95	-25.00	37.95	285	360	Vertical
3	10192.32	34.62	-36.57	38.71	-58.50	-25.00	33.50	362	163	Vertical
4	12740.4	33.33	-35.11	39.34	-57.70	-25.00	32.70	285	120	Vertical
5	15288.48	31.31	-33.71	38.82	-58.84	-25.00	33.84	241	360	Vertical
6	17836.56	30.83	-30.90	41.95	-53.38	-25.00	28.38	142	224	Vertical



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Test Band = SA Band 41 ANT0\_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4058	44.08	-45.19	30.69	-65.68	-25.00	40.68	296	3	Horizontal
2	5190.18	40.45	-44.16	32.60	-66.37	-25.00	41.37	365	3	Horizontal
3	7785.27	38.16	-40.72	37.07	-60.75	-25.00	35.75	288	308	Horizontal
4	10380.36	32.28	-36.54	38.92	-60.60	-25.00	35.60	142	3	Horizontal
5	12975.45	32.64	-34.91	39.58	-57.95	-25.00	32.95	255	123	Horizontal
6	15570.54	30.17	-33.96	38.46	-60.60	-25.00	35.60	263	63	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3916.5	44.14	-45.48	30.40	-66.20	-25.00	41.20	296	62	Vertical
2	5190.18	40.69	-44.16	32.60	-66.13	-25.00	41.13	265	3	Vertical
3	7785.27	37.85	-40.72	37.07	-61.06	-25.00	36.06	241	307	Vertical
4	10380.36	33.13	-36.54	38.92	-59.75	-25.00	34.75	185	161	Vertical
5	12975.45	33.17	-34.91	39.58	-57.42	-25.00	32.42	256	182	Vertical
6	15570.54	30.36	-33.96	38.46	-60.41	-25.00	35.41	224	120	Vertical



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**Test Band = SA Band 41 ANT2\_ TM1**

**Test Channel = Low Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	39.82	-44.92	32.60	-67.76	-25.00	42.76	285	356	Horizontal
2	7503.3	38.84	-41.59	36.51	-61.50	-25.00	36.50	263	360	Horizontal
3	10004.4	33.60	-37.13	38.50	-60.29	-25.00	35.29	265	3	Horizontal
4	12505.5	30.91	-35.23	39.11	-60.47	-25.00	35.47	241	248	Horizontal
5	15006.6	30.51	-34.00	39.19	-59.56	-25.00	34.56	142	227	Horizontal
6	17507.7	29.70	-31.88	40.63	-56.81	-25.00	31.81	255	356	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	39.21	-44.92	32.60	-68.37	-25.00	43.37	196	294	Vertical
2	7503.3	38.97	-41.59	36.51	-61.37	-25.00	36.37	265	349	Vertical
3	10004.4	33.67	-37.13	38.50	-60.22	-25.00	35.22	284	253	Vertical
4	12505.5	31.01	-35.23	39.11	-60.37	-25.00	35.37	174	357	Vertical
5	15006.6	31.91	-34.00	39.19	-58.16	-25.00	33.16	142	359	Vertical
6	17507.7	29.30	-31.88	40.63	-57.21	-25.00	32.21	255	21	Vertical



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Test Band = SA Band 41 ANT2\_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	41.05	-44.31	32.60	-65.92	-25.00	40.92	296	289	Horizontal
2	7644.24	37.20	-41.29	36.79	-62.56	-25.00	37.56	265	330	Horizontal
3	10192.32	34.41	-36.57	38.71	-58.71	-25.00	33.71	284	268	Horizontal
4	12740.4	32.73	-35.11	39.34	-58.30	-25.00	33.30	142	40	Horizontal
5	15288.48	30.08	-33.71	38.82	-60.07	-25.00	35.07	263	101	Horizontal
6	17836.56	30.52	-30.90	41.95	-53.69	-25.00	28.69	201	20	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	41.08	-44.31	32.60	-65.89	-25.00	40.89	296	360	Vertical
2	7644.24	37.42	-41.29	36.79	-62.34	-25.00	37.34	265	38	Vertical
3	10192.32	34.03	-36.57	38.71	-59.09	-25.00	34.09	284	245	Vertical
4	12740.4	32.98	-35.11	39.34	-58.05	-25.00	33.05	142	121	Vertical
5	15288.48	29.85	-33.71	38.82	-60.30	-25.00	35.30	254	304	Vertical
6	17836.56	31.57	-30.90	41.95	-52.64	-25.00	27.64	142	181	Vertical



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Test Band = SA Band 41 ANT2\_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4110.5	43.60	-45.00	30.78	-65.89	-25.00	40.89	296	80	Horizontal
2	5190.18	40.33	-44.16	32.60	-66.49	-25.00	41.49	265	359	Horizontal
3	7785.27	37.12	-40.72	37.07	-61.79	-25.00	36.79	287	39	Horizontal
4	10380.36	32.67	-36.54	38.92	-60.21	-25.00	35.21	142	310	Horizontal
5	12975.45	33.20	-34.91	39.58	-57.39	-25.00	32.39	296	248	Horizontal
6	15570.54	30.15	-33.96	38.46	-60.62	-25.00	35.62	336	330	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4083.5	43.66	-45.07	30.73	-65.94	-25.00	40.94	196	266	Vertical
2	5190.18	41.07	-44.16	32.60	-65.75	-25.00	40.75	142	81	Vertical
3	7785.27	37.26	-40.72	37.07	-61.65	-25.00	36.65	265	205	Vertical
4	10380.36	31.89	-36.54	38.92	-60.99	-25.00	35.99	284	346	Vertical
5	12975.45	34.02	-34.91	39.58	-56.57	-25.00	31.57	142	81	Vertical
6	15570.54	30.14	-33.96	38.46	-60.63	-25.00	35.63	196	266	Vertical



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Test Band = UL MIMO Band 41 ANT 0\_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	40.51	-44.92	32.60	-67.07	-25.00	42.07	174	180	Horizontal
2	7503.3	38.88	-41.59	36.51	-61.46	-25.00	36.46	185	80	Horizontal
3	10004.4	33.68	-37.13	38.50	-60.21	-25.00	35.21	263	3	Horizontal
4	12505.5	31.72	-35.23	39.11	-59.66	-25.00	34.66	265	40	Horizontal
5	15006.6	30.75	-34.00	39.19	-59.32	-25.00	34.32	201	242	Horizontal
6	17507.7	30.16	-31.88	40.63	-56.35	-25.00	31.35	142	161	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	41.78	-44.92	32.60	-65.80	-25.00	40.80	196	360	Vertical
2	7503.3	38.55	-41.59	36.51	-61.79	-25.00	36.79	285	359	Vertical
3	10004.4	33.45	-37.13	38.50	-60.44	-25.00	35.44	241	104	Vertical
4	12505.5	31.51	-35.23	39.11	-59.87	-25.00	34.87	142	39	Vertical
5	15006.6	31.63	-34.00	39.19	-58.44	-25.00	33.44	263	270	Vertical
6	17507.7	30.42	-31.88	40.63	-56.09	-25.00	31.09	225	246	Vertical



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Test Band = UL MIMO Band 41 ANT 0\_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	40.52	-44.31	32.60	-66.45	-25.00	41.45	241	289	Horizontal
2	7644.24	37.64	-41.29	36.79	-62.12	-25.00	37.12	185	357	Horizontal
3	10192.32	35.01	-36.57	38.71	-58.11	-25.00	33.11	263	3	Horizontal
4	12740.4	32.60	-35.11	39.34	-58.43	-25.00	33.43	221	188	Horizontal
5	15288.48	29.96	-33.71	38.82	-60.19	-25.00	35.19	142	41	Horizontal
6	17836.56	31.73	-30.90	41.95	-52.48	-25.00	27.48	266	209	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	40.70	-44.31	32.60	-66.27	-25.00	41.27	142	144	Vertical
2	7644.24	37.27	-41.29	36.79	-62.49	-25.00	37.49	296	104	Vertical
3	10192.32	34.69	-36.57	38.71	-58.43	-25.00	33.43	365	61	Vertical
4	12740.4	32.95	-35.11	39.34	-58.08	-25.00	33.08	285	267	Vertical
5	15288.48	31.34	-33.71	38.82	-58.81	-25.00	33.81	241	40	Vertical
6	17836.56	30.68	-30.90	41.95	-53.53	-25.00	28.53	142	82	Vertical



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**Test Band = UL MIMO Band 41 ANT 0\_TM1**

**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4123.5	43.92	-45.00	30.80	-65.55	-25.00	40.55	142	3	Horizontal
2	5190.18	41.11	-44.16	32.60	-65.71	-25.00	40.71	285	329	Horizontal
3	7785.27	37.47	-40.72	37.07	-61.44	-25.00	36.44	236	267	Horizontal
4	10380.36	33.95	-36.54	38.92	-58.93	-25.00	33.93	296	182	Horizontal
5	12975.45	33.69	-34.91	39.58	-56.90	-25.00	31.90	254	182	Horizontal
6	15570.54	29.50	-33.96	38.46	-61.27	-25.00	36.27	178	226	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4046.5	43.69	-45.24	30.67	-66.14	-25.00	41.14	145	82	Vertical
2	5190.18	41.24	-44.16	32.60	-65.58	-25.00	40.58	296	229	Vertical
3	7785.27	37.46	-40.72	37.07	-61.45	-25.00	36.45	263	360	Vertical
4	10380.36	32.75	-36.54	38.92	-60.13	-25.00	35.13	285	3	Vertical
5	12975.45	32.91	-34.91	39.58	-57.68	-25.00	32.68	241	208	Vertical
6	15570.54	30.57	-33.96	38.46	-60.20	-25.00	35.20	196	3	Vertical



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**Test Band = UL MIMO Band 41 ANT 2\_ TM1**

**Test Channel = Low Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	40.71	-44.92	32.60	-66.87	-25.00	41.87	152	100	Horizontal
2	7503.3	38.38	-41.59	36.51	-61.96	-25.00	36.96	296	204	Horizontal
3	10004.4	33.38	-37.13	38.50	-60.51	-25.00	35.51	265	286	Horizontal
4	12505.5	31.14	-35.23	39.11	-60.24	-25.00	35.24	284	100	Horizontal
5	15006.6	30.56	-34.00	39.19	-59.51	-25.00	34.51	142	19	Horizontal
6	17507.7	30.34	-31.88	40.63	-56.17	-25.00	31.17	263	184	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	41.14	-44.92	32.60	-66.44	-25.00	41.44	174	347	Vertical
2	7503.3	38.45	-41.59	36.51	-61.89	-25.00	36.89	142	106	Vertical
3	10004.4	33.34	-37.13	38.50	-60.55	-25.00	35.55	296	64	Vertical
4	12505.5	31.23	-35.23	39.11	-60.15	-25.00	35.15	265	185	Vertical
5	15006.6	31.34	-34.00	39.19	-58.73	-25.00	33.73	225	228	Vertical
6	17507.7	30.13	-31.88	40.63	-56.38	-25.00	31.38	244	269	Vertical



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**Test Band = UL MIMO Band 41 ANT 2\_ TM1**

**Test Channel = Mid Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	40.72	-44.31	32.60	-66.25	-25.00	41.25	142	143	Horizontal
2	7644.24	37.34	-41.29	36.79	-62.42	-25.00	37.42	285	291	Horizontal
3	10192.32	33.99	-36.57	38.71	-59.13	-25.00	34.13	296	360	Horizontal
4	12740.4	33.12	-35.11	39.34	-57.91	-25.00	32.91	265	123	Horizontal
5	15288.48	30.76	-33.71	38.82	-59.39	-25.00	34.39	241	248	Horizontal
6	17836.56	30.82	-30.90	41.95	-53.39	-25.00	28.39	142	291	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	41.13	-44.31	32.60	-65.84	-25.00	40.84	142	21	Vertical
2	7644.24	37.04	-41.29	36.79	-62.72	-25.00	37.72	296	288	Vertical
3	10192.32	35.24	-36.57	38.71	-57.88	-25.00	32.88	365	309	Vertical
4	12740.4	33.21	-35.11	39.34	-57.82	-25.00	32.82	284	81	Vertical
5	15288.48	29.77	-33.71	38.82	-60.38	-25.00	35.38	142	269	Vertical
6	17836.56	31.39	-30.90	41.95	-52.82	-25.00	27.82	287	228	Vertical



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**Test Band = UL MIMO Band 41 ANT 2\_ TM1**

**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4336	43.78	-44.93	31.14	-65.27	-25.00	40.27	296	266	Horizontal
2	5190.18	41.27	-44.16	32.60	-65.55	-25.00	40.55	265	310	Horizontal
3	7785.27	37.69	-40.72	37.07	-61.22	-25.00	36.22	284	62	Horizontal
4	10380.36	32.29	-36.54	38.92	-60.59	-25.00	35.59	142	357	Horizontal
5	12975.45	32.97	-34.91	39.58	-57.62	-25.00	32.62	255	182	Horizontal
6	15570.54	30.09	-33.96	38.46	-60.68	-25.00	35.68	263	62	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4409	42.85	-44.89	31.25	-66.04	-25.00	41.04	196	268	Vertical
2	5190.18	41.03	-44.16	32.60	-65.79	-25.00	40.79	285	81	Vertical
3	7785.27	38.14	-40.72	37.07	-60.77	-25.00	35.77	241	163	Vertical
4	10380.36	33.09	-36.54	38.92	-59.79	-25.00	34.79	147	348	Vertical
5	12975.45	33.26	-34.91	39.58	-57.33	-25.00	32.33	175	40	Vertical
6	15570.54	30.01	-33.96	38.46	-60.76	-25.00	35.76	265	40	Vertical



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Test Band = ENDC B2A\_n41A\_TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	39.64	-44.92	32.60	-67.94	-25.00	42.94	241	271	Horizontal
2	7503.3	38.88	-41.59	36.51	-61.46	-25.00	36.46	155	20	Horizontal
3	10004.4	33.52	-37.13	38.50	-60.37	-25.00	35.37	236	228	Horizontal
4	12505.5	30.79	-35.23	39.11	-60.59	-25.00	35.59	348	185	Horizontal
5	15006.6	31.98	-34.00	39.19	-58.09	-25.00	33.09	186	144	Horizontal
6	17507.7	29.85	-31.88	40.63	-56.66	-25.00	31.66	219	3	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	40.34	-44.92	32.60	-67.24	-25.00	42.24	348	288	Vertical
2	7503.3	39.28	-41.59	36.51	-61.06	-25.00	36.06	296	236	Vertical
3	10004.4	33.19	-37.13	38.50	-60.70	-25.00	35.70	218	322	Vertical
4	12505.5	31.39	-35.23	39.11	-59.99	-25.00	34.99	196	125	Vertical
5	15006.6	31.18	-34.00	39.19	-58.89	-25.00	33.89	135	3	Vertical
6	17507.7	29.93	-31.88	40.63	-56.58	-25.00	31.58	228	102	Vertical



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Test Band = ENDC B2A\_n41A\_TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	40.29	-44.31	32.60	-66.68	-25.00	41.68	218	360	Horizontal
2	7644.24	37.40	-41.29	36.79	-62.36	-25.00	37.36	256	143	Horizontal
3	10192.32	34.81	-36.57	38.71	-58.31	-25.00	33.31	189	309	Horizontal
4	12740.4	32.14	-35.11	39.34	-58.89	-25.00	33.89	163	39	Horizontal
5	15288.48	30.72	-33.71	38.82	-59.43	-25.00	34.43	298	19	Horizontal
6	17836.56	31.66	-30.90	41.95	-52.55	-25.00	27.55	312	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	40.74	-44.31	32.60	-66.23	-25.00	41.23	169	360	Vertical
2	7644.24	37.44	-41.29	36.79	-62.32	-25.00	37.32	286	227	Vertical
3	10192.32	34.30	-36.57	38.71	-58.82	-25.00	33.82	224	41	Vertical
4	12740.4	33.08	-35.11	39.34	-57.95	-25.00	32.95	364	206	Vertical
5	15288.48	30.09	-33.71	38.82	-60.06	-25.00	35.06	205	163	Vertical
6	17836.56	32.20	-30.90	41.95	-52.01	-25.00	27.01	149	142	Vertical



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Test Band = ENDC B2A\_n41A\_TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5182.5	45.65	-44.17	32.60	-61.18	-25.00	36.18	326	327	Horizontal
2	17587.5	31.87	-31.81	40.95	-54.25	-25.00	29.25	146	141	Horizontal
3	7785.27	37.31	-40.72	37.07	-61.60	-25.00	36.60	233	99	Horizontal
4	10380.36	33.33	-36.54	38.92	-59.55	-25.00	34.55	297	286	Horizontal
5	12975.45	34.08	-34.91	39.58	-56.51	-25.00	31.51	355	359	Horizontal
6	15570.54	29.84	-33.96	38.46	-60.93	-25.00	35.93	201	162	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5182	46.68	-44.18	32.60	-60.16	-25.00	35.16	199	314	Vertical
2	17321.5	32.34	-31.66	39.89	-54.69	-25.00	29.69	236	360	Vertical
3	7785.27	38.31	-40.72	37.07	-60.60	-25.00	35.60	269	229	Vertical
4	10380.36	32.78	-36.54	38.92	-60.10	-25.00	35.10	314	83	Vertical
5	12975.45	32.97	-34.91	39.58	-57.62	-25.00	32.62	294	314	Vertical
6	15570.54	29.70	-33.96	38.46	-61.07	-25.00	36.07	168	41	Vertical



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Test Band = n41A\_n66A\_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	39.64	-44.92	32.60	-67.94	-25.00	42.94	296	320	Horizontal
2	7503.3	38.89	-41.59	36.51	-61.45	-25.00	36.45	265	89	Horizontal
3	10004.4	33.85	-37.13	38.50	-60.04	-25.00	35.04	284	50	Horizontal
4	12505.5	30.80	-35.23	39.11	-60.58	-25.00	35.58	142	0	Horizontal
5	15006.6	31.15	-34.00	39.19	-58.92	-25.00	33.92	142	0	Horizontal
6	17507.7	29.94	-31.88	40.63	-56.57	-25.00	31.57	263	320	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	40.07	-44.92	32.60	-67.51	-25.00	42.51	296	3	Vertical
2	7503.3	38.46	-41.59	36.51	-61.88	-25.00	36.88	265	153	Vertical
3	10004.4	34.65	-37.13	38.50	-59.24	-25.00	34.24	284	193	Vertical
4	12505.5	31.56	-35.23	39.11	-59.82	-25.00	34.82	145	213	Vertical
5	15006.6	31.54	-34.00	39.19	-58.53	-25.00	33.53	266	213	Vertical
6	17507.7	30.04	-31.88	40.63	-56.47	-25.00	31.47	228	341	Vertical



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Test Band = n41A\_n66A\_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	40.70	-44.31	32.60	-66.27	-25.00	41.27	296	278	Horizontal
2	7644.24	37.07	-41.29	36.79	-62.69	-25.00	37.69	285	11	Horizontal
3	10192.32	34.76	-36.57	38.71	-58.36	-25.00	33.36	241	131	Horizontal
4	12740.4	32.58	-35.11	39.34	-58.45	-25.00	33.45	142	110	Horizontal
5	15288.48	31.20	-33.71	38.82	-58.95	-25.00	33.95	255	68	Horizontal
6	17836.56	31.17	-30.90	41.95	-53.04	-25.00	28.04	263	193	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	41.14	-44.31	32.60	-65.83	-25.00	40.83	296	1	Vertical
2	7644.24	37.03	-41.29	36.79	-62.73	-25.00	37.73	285	31	Vertical
3	10192.32	35.06	-36.57	38.71	-58.06	-25.00	33.06	241	1	Vertical
4	12740.4	33.51	-35.11	39.34	-57.52	-25.00	32.52	142	1	Vertical
5	15288.48	30.22	-33.71	38.82	-59.93	-25.00	34.93	263	136	Vertical
6	17836.56	30.89	-30.90	41.95	-53.32	-25.00	28.32	228	259	Vertical



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Test Band = n41A\_n66A\_TM1  
 Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17916.5	32.68	-31.12	42.27	-51.44	-25.00	26.44	296	131	Horizontal
2	5190.18	41.38	-44.16	32.60	-65.44	-25.00	40.44	265	46	Horizontal
3	7785.27	38.53	-40.72	37.07	-60.38	-25.00	35.38	241	258	Horizontal
4	10380.36	32.28	-36.54	38.92	-60.60	-25.00	35.60	174	111	Horizontal
5	12975.45	32.99	-34.91	39.58	-57.60	-25.00	32.60	142	0	Horizontal
6	15570.54	30.22	-33.96	38.46	-60.55	-25.00	35.55	263	301	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17829.5	33.69	-30.88	41.92	-50.54	-25.00	25.54	296	63	Vertical
2	5190.18	42.24	-44.16	32.60	-64.58	-25.00	39.58	285	168	Vertical
3	7785.27	37.27	-40.72	37.07	-61.64	-25.00	36.64	241	357	Vertical
4	10380.36	32.30	-36.54	38.92	-60.58	-25.00	35.58	142	296	Vertical
5	12975.45	33.20	-34.91	39.58	-57.39	-25.00	32.39	255	357	Vertical
6	15570.54	32.03	-33.96	38.46	-58.74	-25.00	33.74	263	318	Vertical



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Test Band = n41A\_n71A\_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	40.15	-44.92	32.60	-67.43	-25.00	42.43	296	1	Horizontal
2	7503.3	39.53	-41.59	36.51	-60.81	-25.00	35.81	265	31	Horizontal
3	10004.4	34.27	-37.13	38.50	-59.62	-25.00	34.62	274	112	Horizontal
4	12505.5	31.73	-35.23	39.11	-59.65	-25.00	34.65	145	136	Horizontal
5	15006.6	30.73	-34.00	39.19	-59.34	-25.00	34.34	263	259	Horizontal
6	17507.7	30.21	-31.88	40.63	-56.30	-25.00	31.30	287	197	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.2	39.93	-44.92	32.60	-67.65	-25.00	42.65	285	0	Vertical
2	7503.3	39.62	-41.59	36.51	-60.72	-25.00	35.72	244	340	Vertical
3	10004.4	33.62	-37.13	38.50	-60.27	-25.00	35.27	263	357	Vertical
4	12505.5	31.14	-35.23	39.11	-60.24	-25.00	35.24	298	155	Vertical
5	15006.6	31.70	-34.00	39.19	-58.37	-25.00	33.37	254	0	Vertical
6	17507.7	29.86	-31.88	40.63	-56.65	-25.00	31.65	142	51	Vertical



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Test Band = n41A\_n71A\_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	41.35	-44.31	32.60	-65.62	-25.00	40.62	286	175	Horizontal
2	7644.24	37.39	-41.29	36.79	-62.37	-25.00	37.37	265	27	Horizontal
3	10192.32	34.29	-36.57	38.71	-58.83	-25.00	33.83	295	1	Horizontal
4	12740.4	32.86	-35.11	39.34	-58.17	-25.00	33.17	241	193	Horizontal
5	15288.48	30.12	-33.71	38.82	-60.03	-25.00	35.03	142	215	Horizontal
6	17836.56	30.96	-30.90	41.95	-53.25	-25.00	28.25	236	92	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5096.16	41.24	-44.31	32.60	-65.73	-25.00	40.73	201	27	Vertical
2	7644.24	37.00	-41.29	36.79	-62.76	-25.00	37.76	174	357	Vertical
3	10192.32	34.16	-36.57	38.71	-58.96	-25.00	33.96	142	215	Vertical
4	12740.4	32.29	-35.11	39.34	-58.74	-25.00	33.74	263	0	Vertical
5	15288.48	30.78	-33.71	38.82	-59.37	-25.00	34.37	258	92	Vertical
6	17836.56	30.85	-30.90	41.95	-53.36	-25.00	28.36	298	236	Vertical



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**Test Band = n41A\_n71A\_TM1**  
**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17834.5	32.85	-30.90	41.94	-51.37	-25.00	26.37	284	237	Horizontal
2	5190.18	41.57	-44.16	32.60	-65.25	-25.00	40.25	142	341	Horizontal
3	7785.27	37.30	-40.72	37.07	-61.61	-25.00	36.61	263	3	Horizontal
4	10380.36	32.81	-36.54	38.92	-60.07	-25.00	35.07	298	47	Horizontal
5	12975.45	33.49	-34.91	39.58	-57.10	-25.00	32.10	255	237	Horizontal
6	15570.54	30.27	-33.96	38.46	-60.50	-25.00	35.50	274	132	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17937	32.72	-31.20	42.35	-51.39	-25.00	26.39	255	197	Vertical
2	5190.18	41.28	-44.16	32.60	-65.54	-25.00	40.54	263	46	Vertical
3	7785.27	37.65	-40.72	37.07	-61.26	-25.00	36.26	265	175	Vertical
4	10380.36	33.18	-36.54	38.92	-59.70	-25.00	34.70	296	10	Vertical
5	12975.45	33.59	-34.91	39.58	-57.00	-25.00	32.00	284	154	Vertical
6	15570.54	30.39	-33.96	38.46	-60.38	-25.00	35.38	147	132	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



## 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
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.800000	-0.000694	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-4.200000	-0.001620	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-3.200000	-0.001234	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	4.600000	0.001774	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-1.300000	-0.000501	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	-8.300000	-0.003201	PASS



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Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-40	-3.200000	-0.001234	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-5.600000	-0.002160	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.200000	-0.002005	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-2.900000	-0.001118	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-10.000000	-0.003857	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.800000	-0.000694	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-10.800000	-0.004165	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	2.600000	0.001003	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.200000	-0.001620	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-3.900000	-0.001504	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	60	-1.000000	-0.000386	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	75	-3.900000	-0.001504	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-40	-2.700000	-0.001041	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	-4.200000	-0.001620	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	1.200000	0.000463	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	-4.100000	-0.001581	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-5.900000	-0.002275	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	2.900000	0.001118	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	-4.500000	-0.001735	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	-1.700000	-0.000656	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	-8.300000	-0.003201	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	-4.300000	-0.001658	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	60	-3.000000	-0.001157	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	75	-2.100000	-0.000810	PASS

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