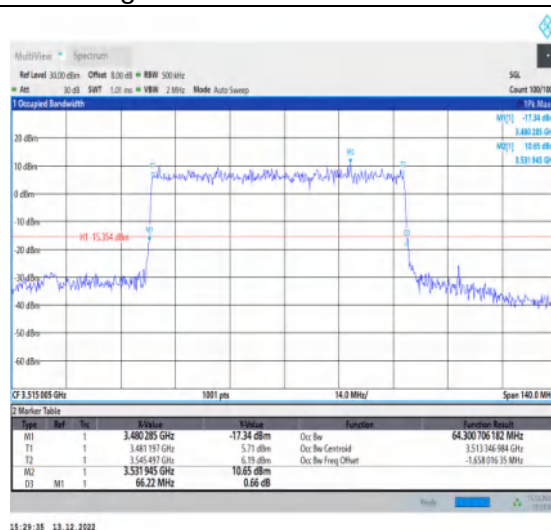
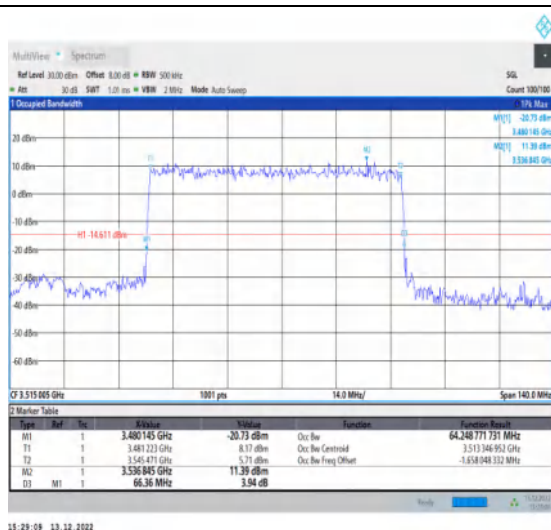


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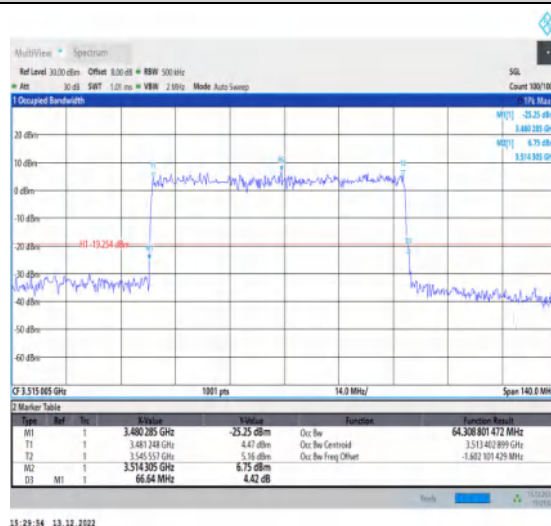
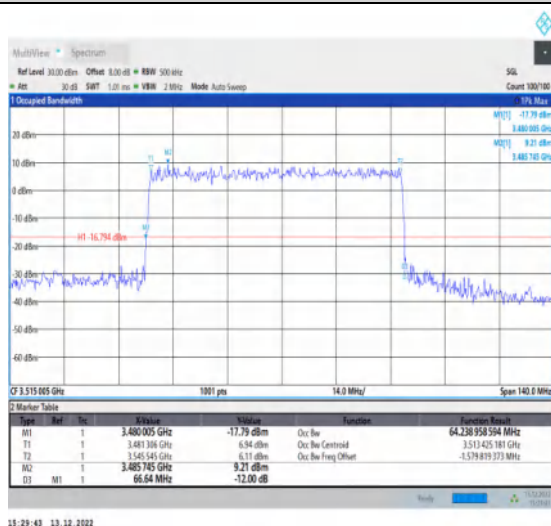
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1-N77-3450-3550-30-70-H-2-DFT-PI2BPSK-Outer_Full-180@0-Ant1-64.249-66.360-≤70-PASS

1-N77-3450-3550-30-70-H-3-DFT-16QAM-Outer_Full-180@0-Ant1-64.301-66.220-≤70-PASS



1-N77-3450-3550-30-70-H-4-DFT-64QAM-Outer_Full-180@0-Ant1-64.239-66.640-≤70-PASS

1-N77-3450-3550-30-70-H-5-DFT-256QAM-Outer_Full-180@0-Ant1-64.309-66.640-≤70-PASS



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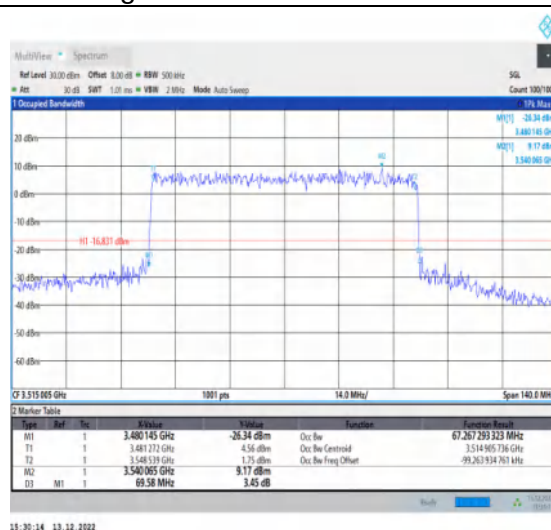
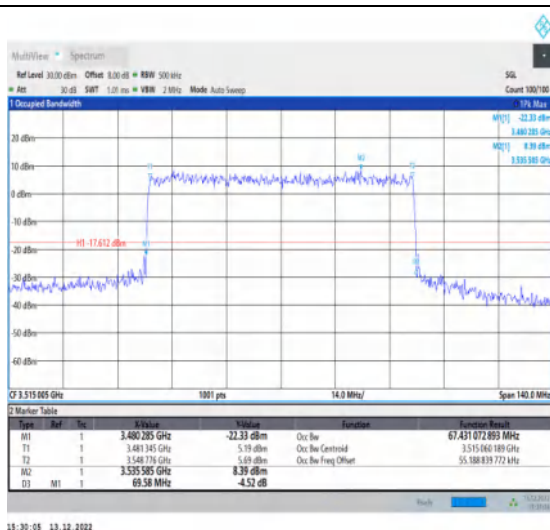
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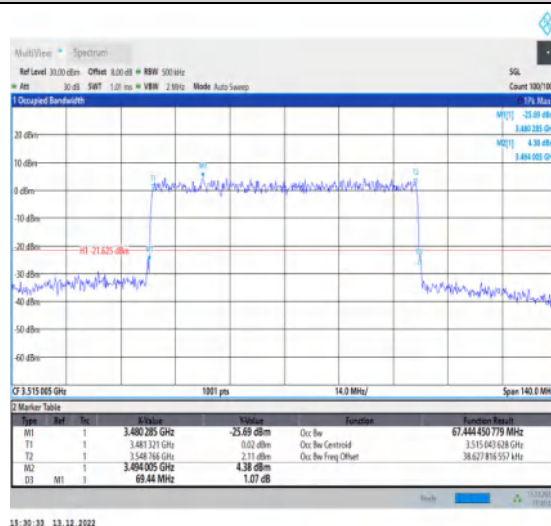
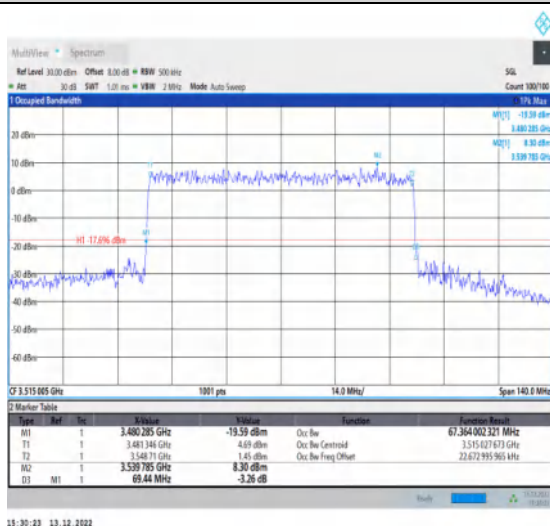
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1-N77-3450-3550-30-70-H-7-CP-16QAM-Outet_Full-189@0-Ant1-67.267-69.580-≤70-PASS



1-N77-3450-3550-30-70-H-8-CP-64QAM-Outet_Full-189@0-Ant1-67.364-69.440-≤70-PASS

1-N77-3450-3550-30-70-H-9-CP-256QAM-Outet_Full-189@0-Ant1-67.444-69.440-≤70-PASS



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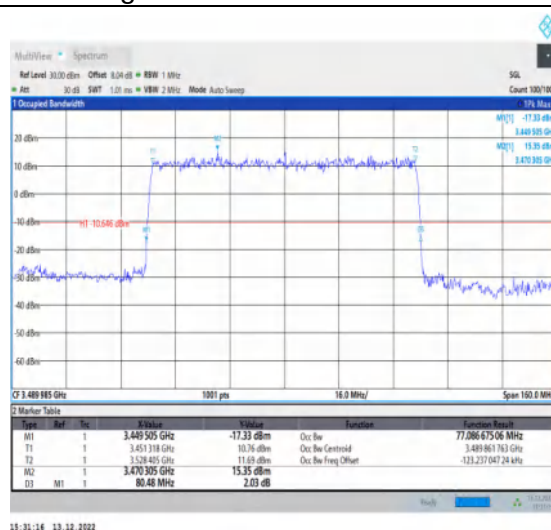
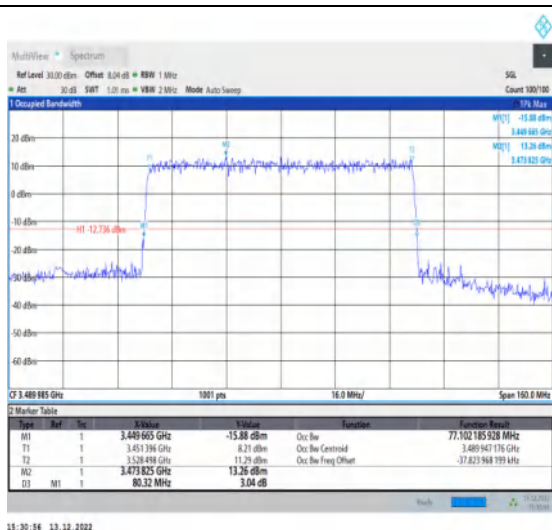
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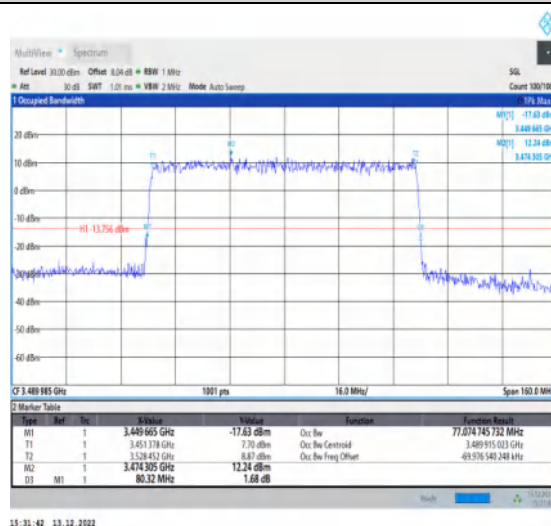
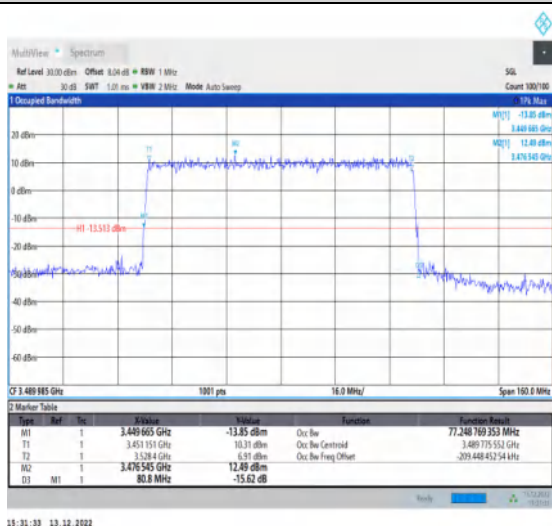
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1-N77-3450-3550-30-80-L-3-DFT-16QAM-Outter_Full-216@0-Ant1-77.249-80.800-≤80-PASS

1-N77-3450-3550-30-80-L-4-DFT-64QAM-Outter_Full-216@0-Ant1-77.075-80.320-≤80-PASS



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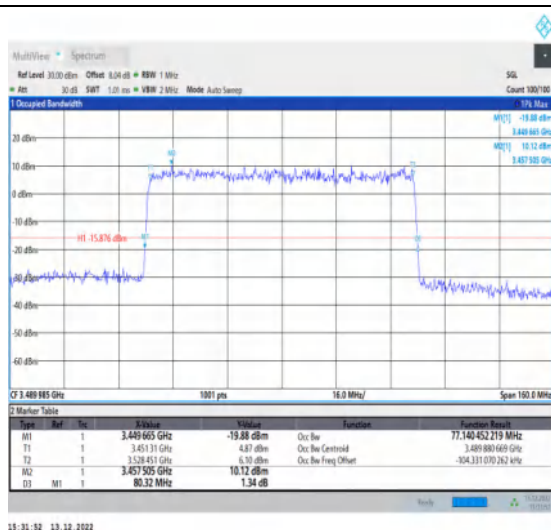
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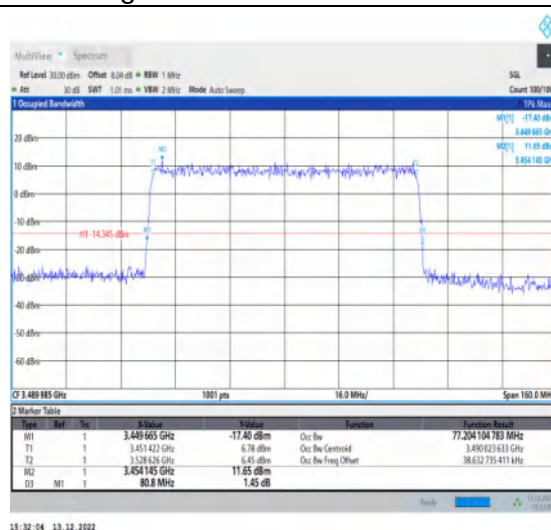
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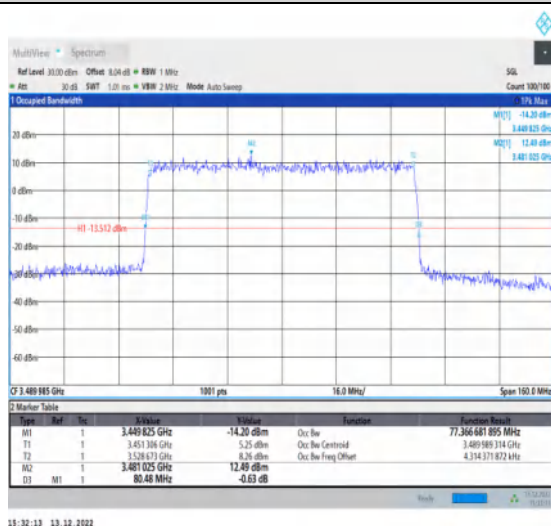
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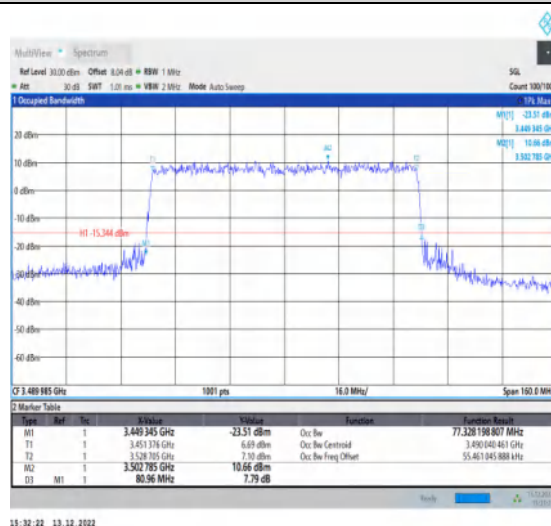
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1-N77-3450-3550-30-80-L-8-CP-64QAM-Outer_Full-
217@0-Ant1-77.328-80.960-≤80-PASS



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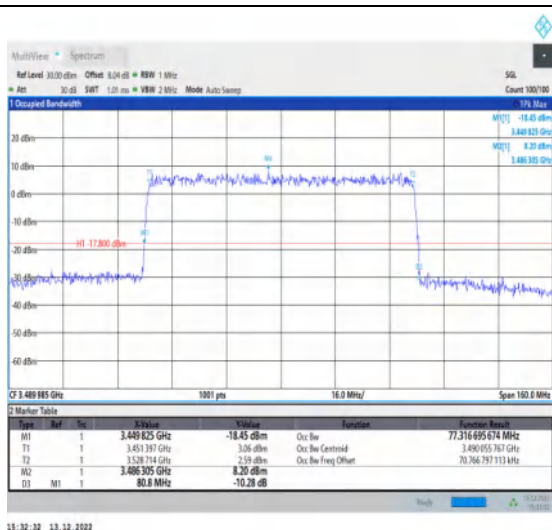
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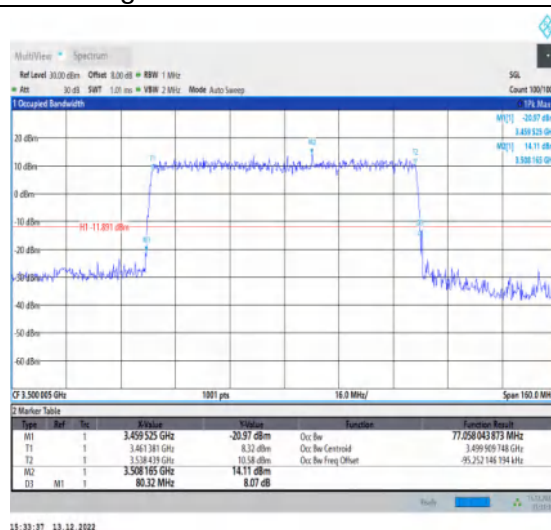
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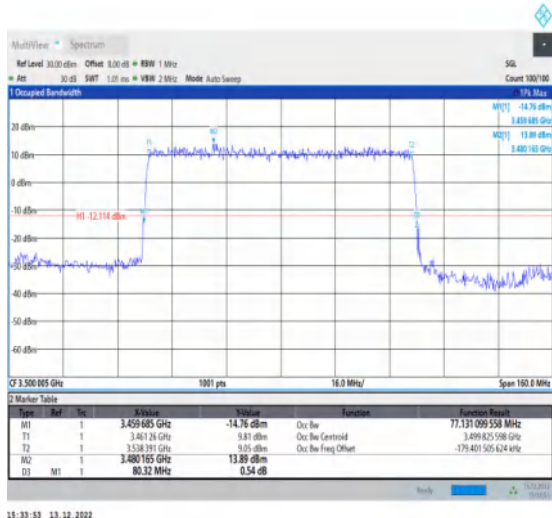
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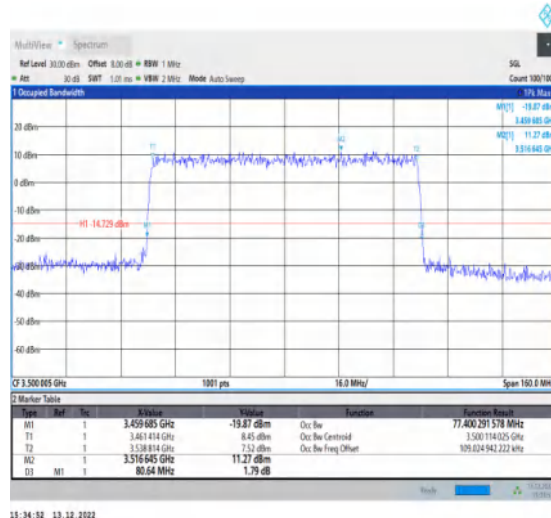
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1-N77-3450-3550-30-80-M-2-DFT-PI2BPSK-Outer_Full
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1-N77-3450-3550-30-80-M-3-DFT-16QAM-Outer_Full
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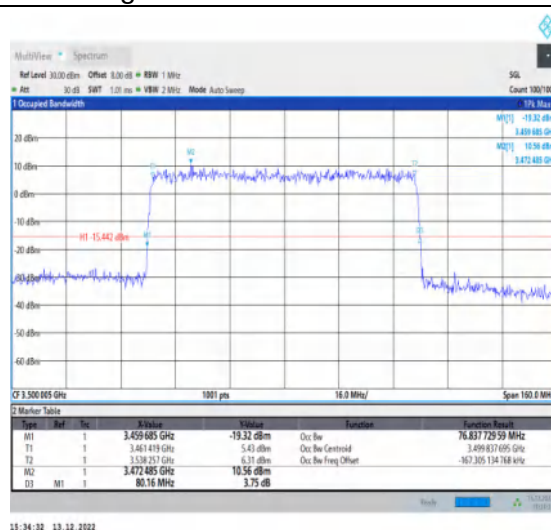
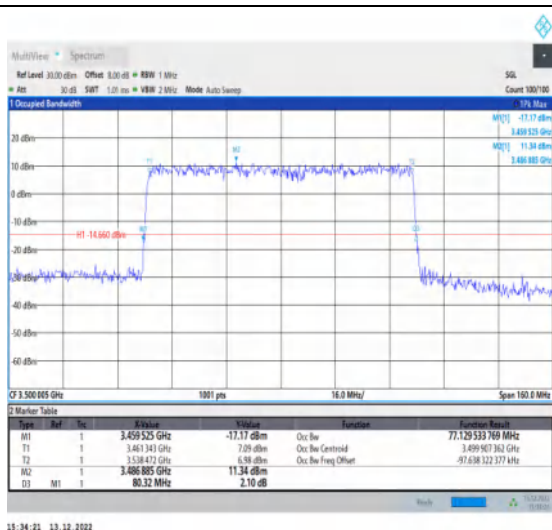
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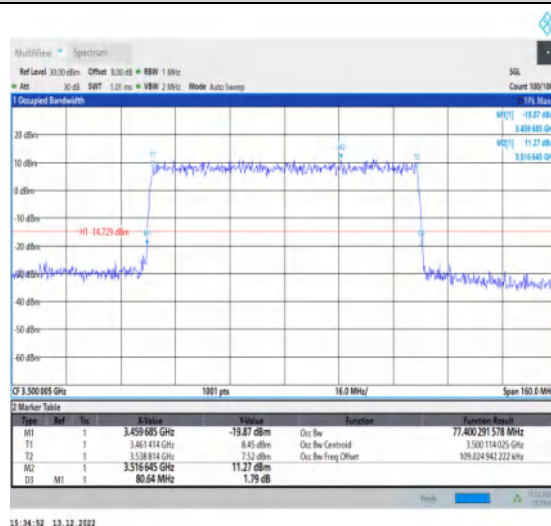
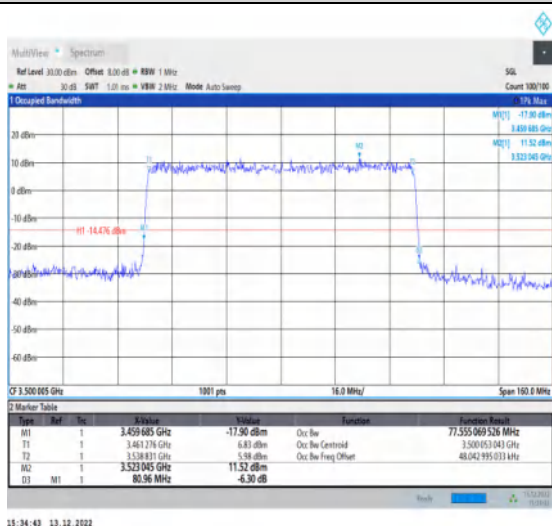
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1-N77-3450-3550-30-80-M-5-DFT-256QAM-Outer_Full I-216@0-Ant1-76.838-80.160-≤80-PASS



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1-N77-3450-3550-30-80-M-7-CP-16QAM-Outer_Full I-217@0-Ant1-77.4-80.640-≤80-PASS



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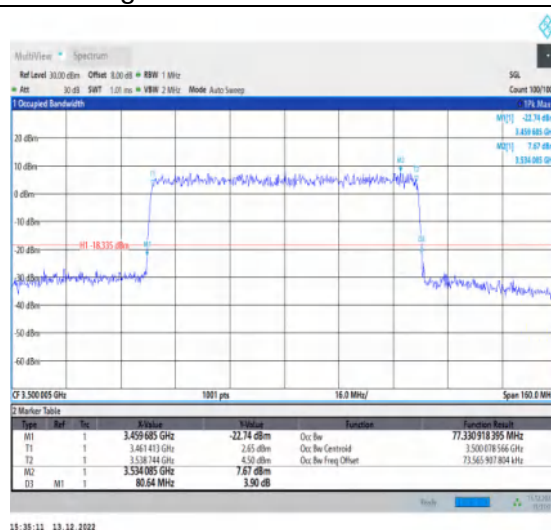
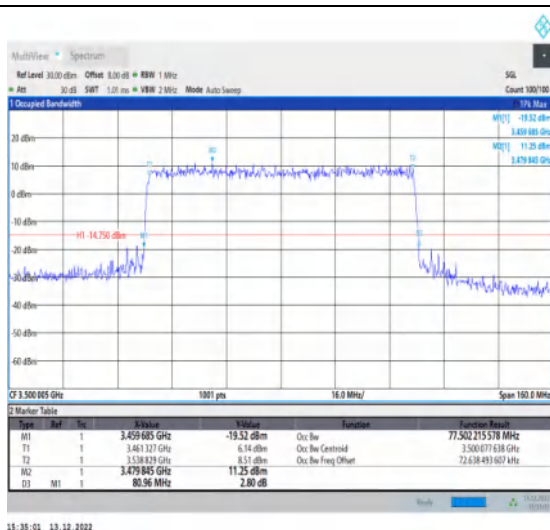
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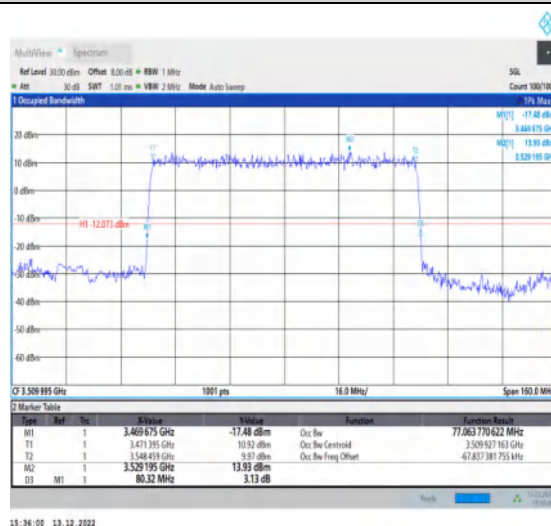
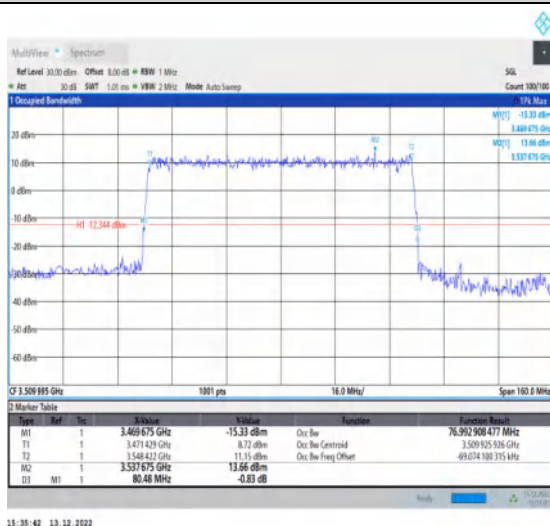
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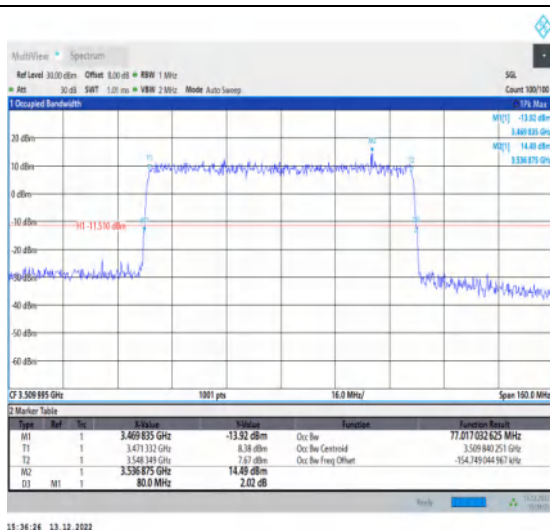
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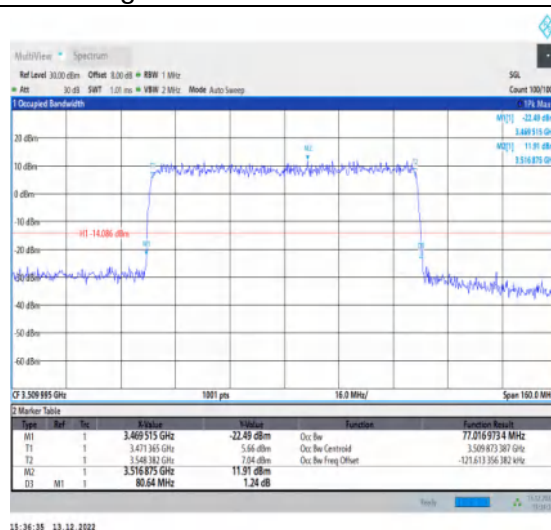
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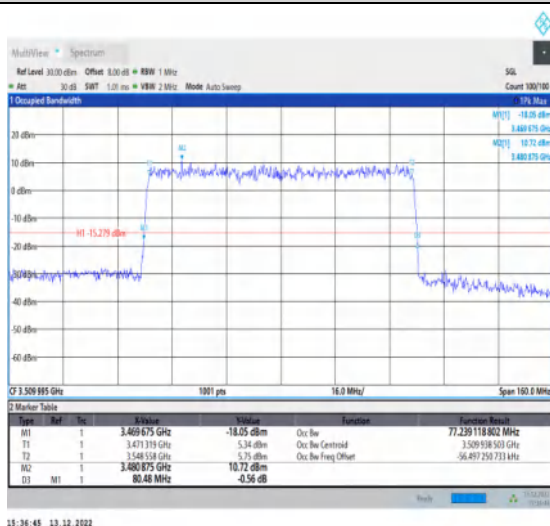
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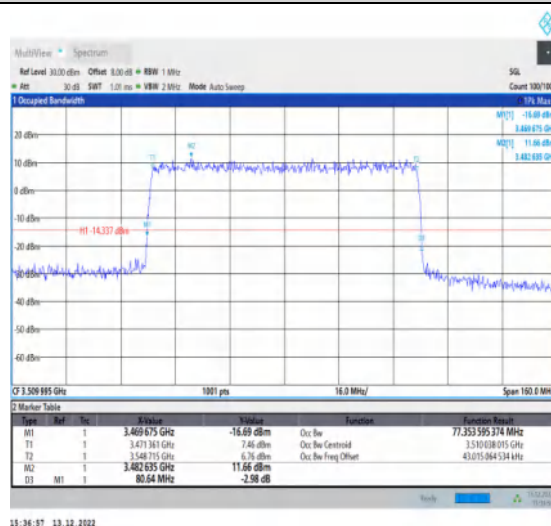
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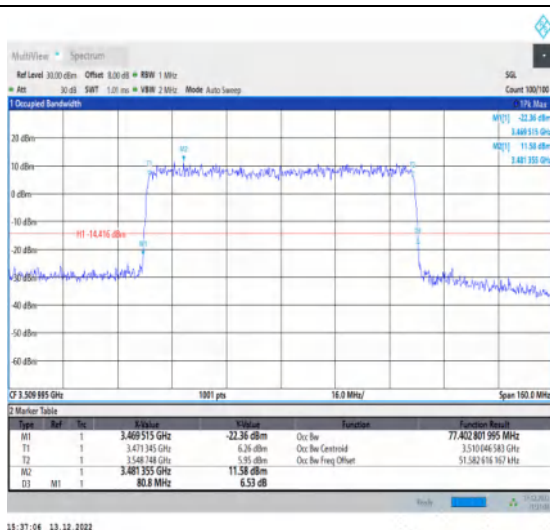
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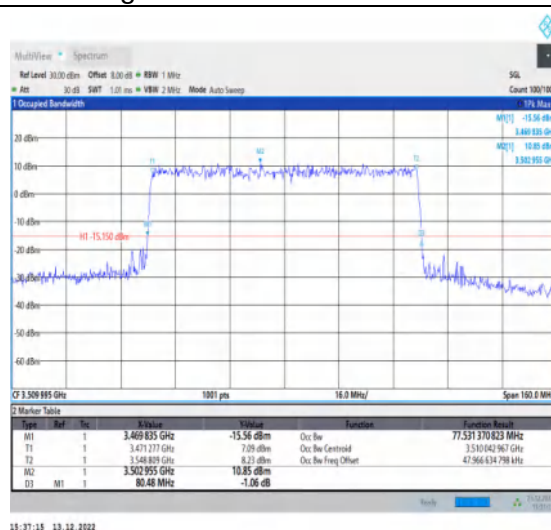
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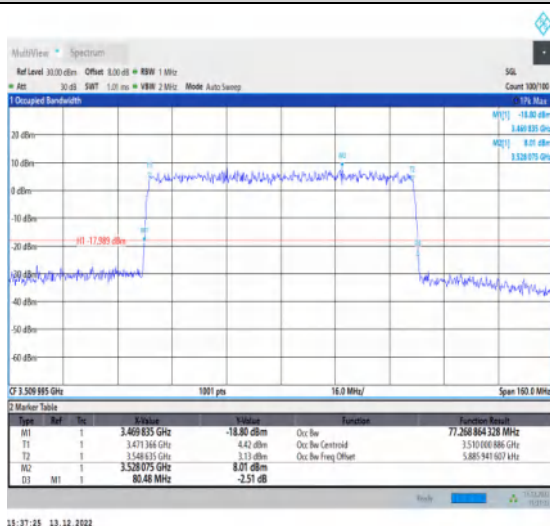
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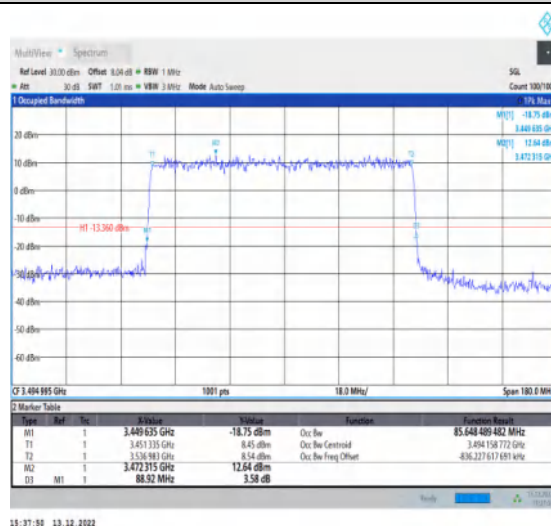
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1-N77-3450-3550-30-80-H-9-CP-256QAM-Outer_Ful-I-217@0-Ant1-77.269-80.480-≤80-PASS



1-N77-3450-3550-30-90-L-1-DFT-QPSK-Outer_Full-240@0-Ant1-85.648-88.920-≤90-PASS



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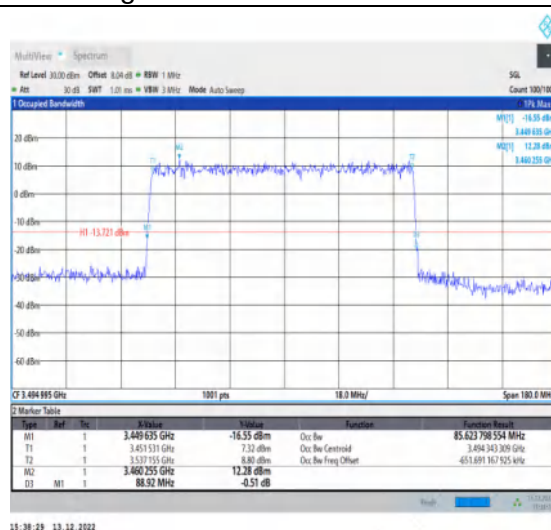
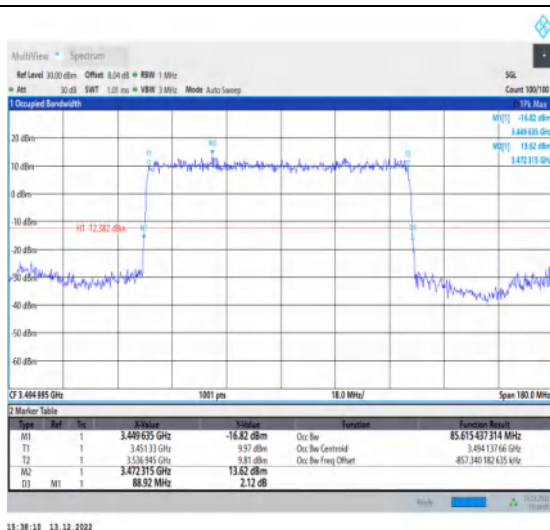
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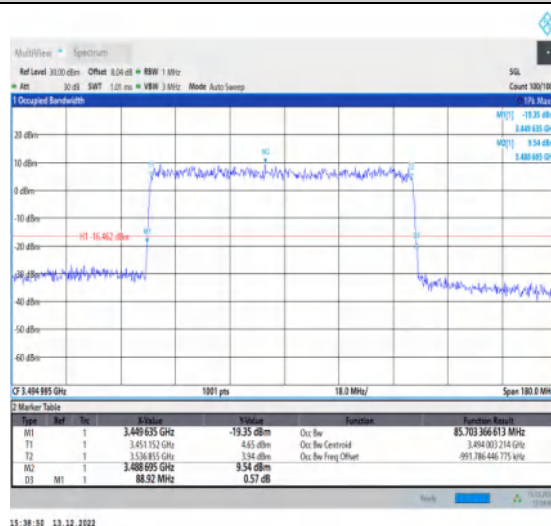
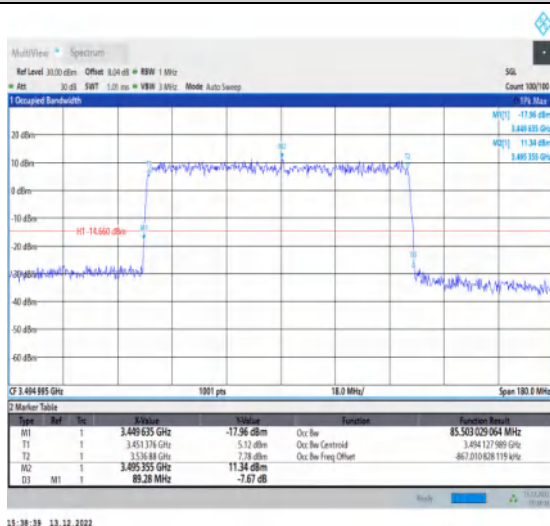
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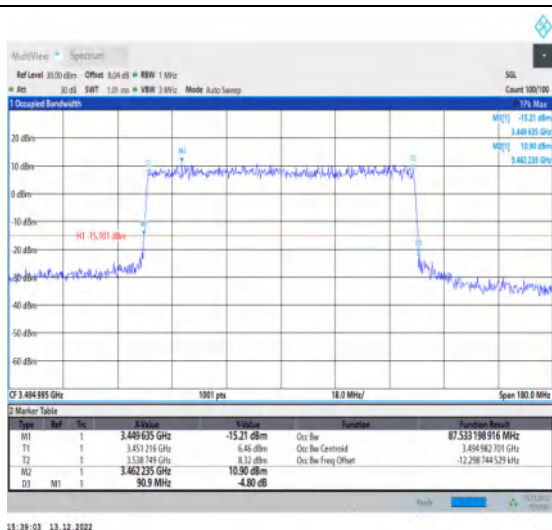
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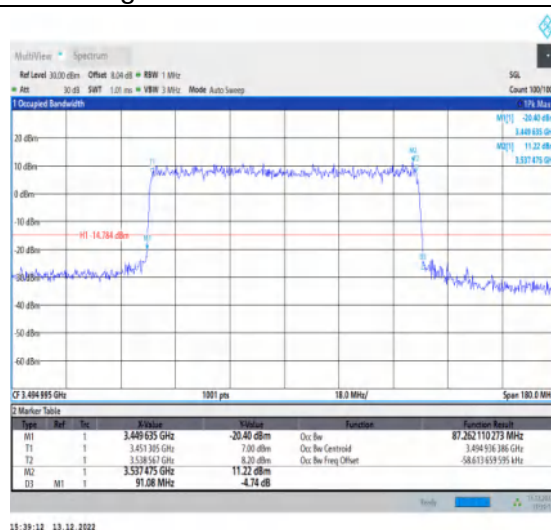
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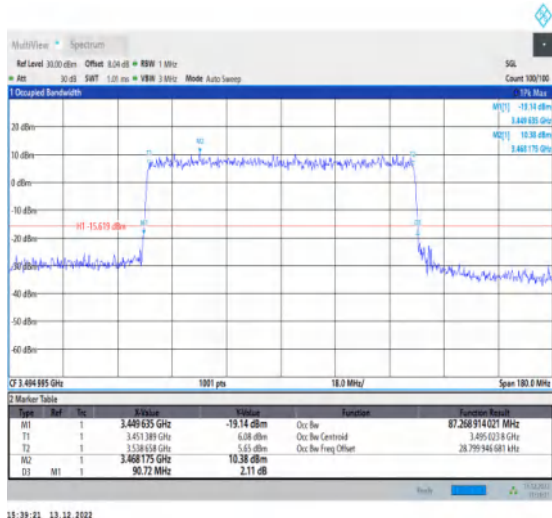
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Rev.: 01
Page: 118 of 181



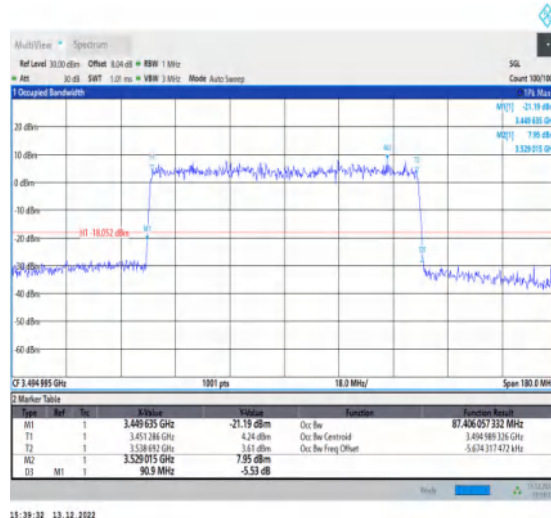
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1-N77-3450-3550-30-90-L-8-CP-64QAM-Outer_Full-245@0-Ant1-87.269-90.720≤90-PASS



1-N77-3450-3550-30-90-L-9-CP-256QAM-Outer_Full-245@0-Ant1-87.406-90.900≤90-PASS



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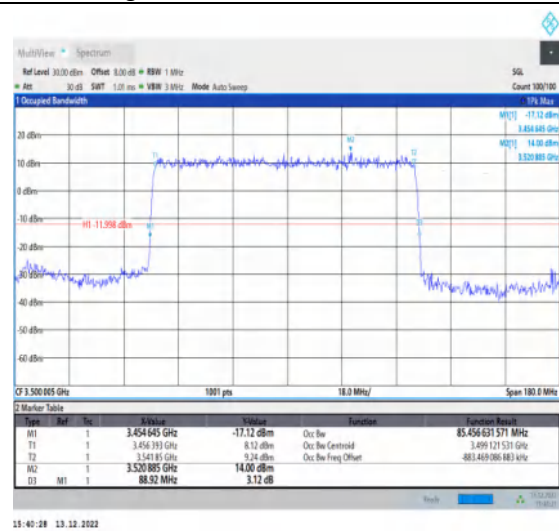
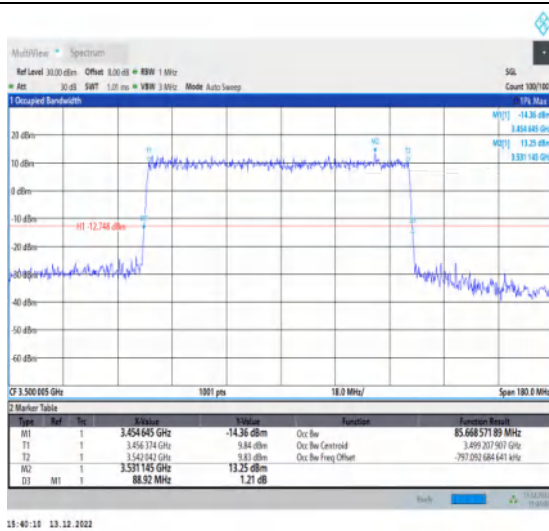
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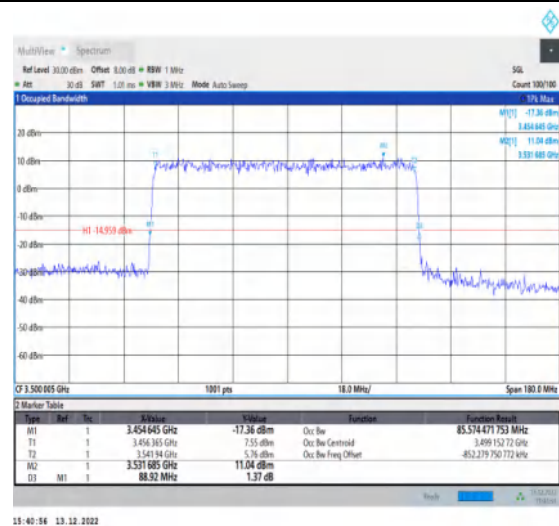
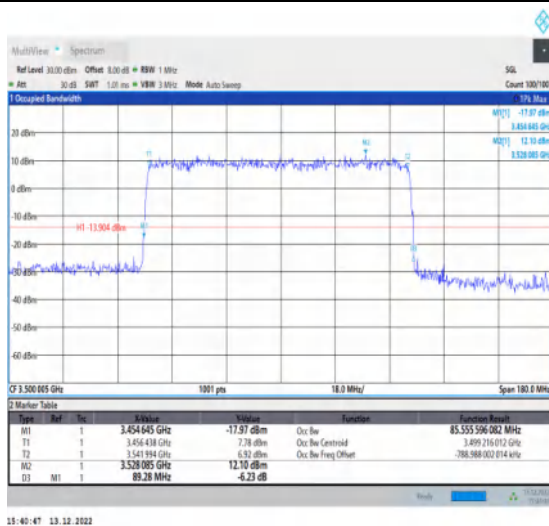
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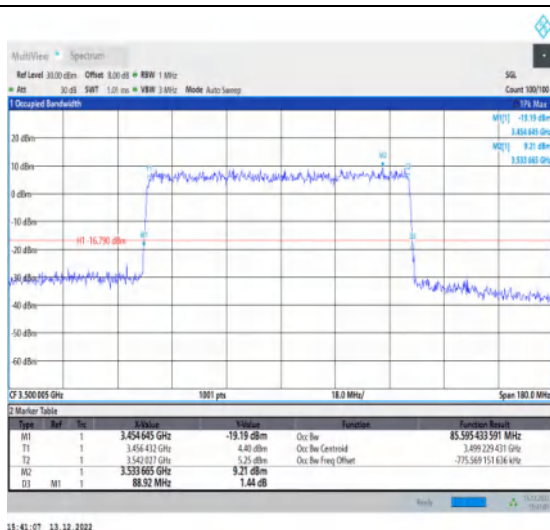
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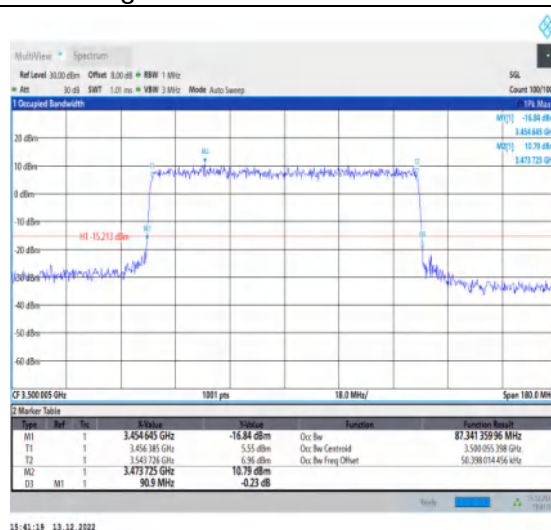
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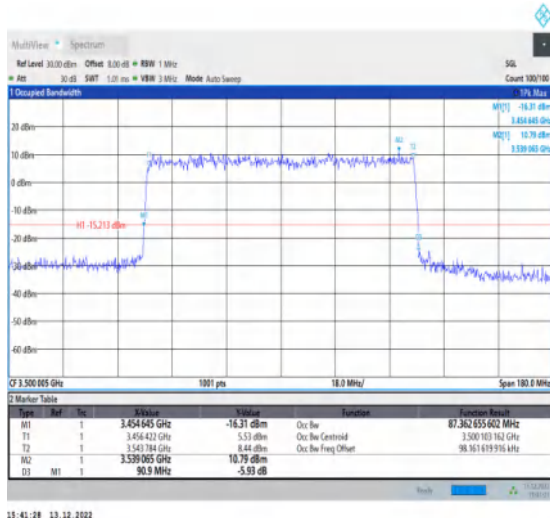
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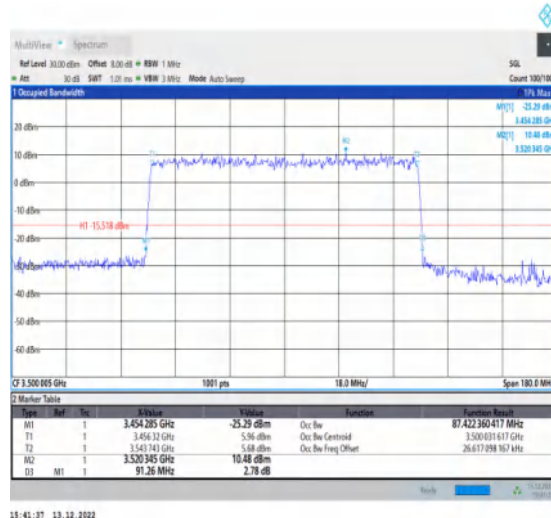
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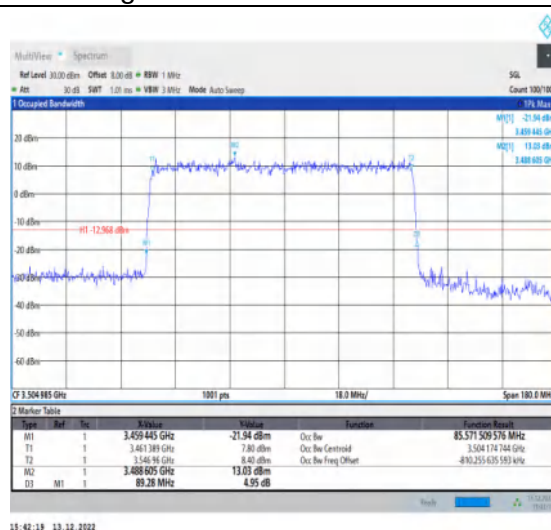
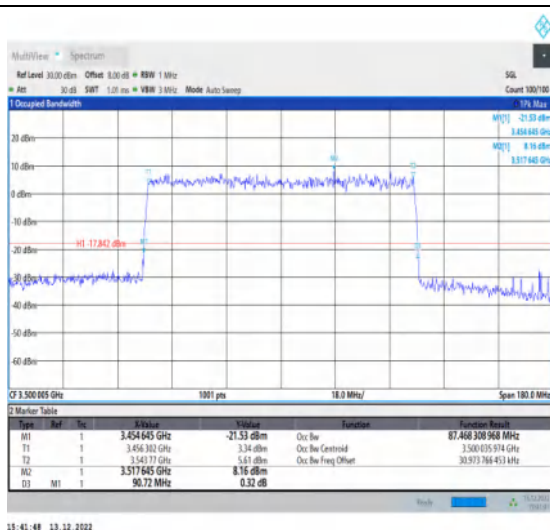
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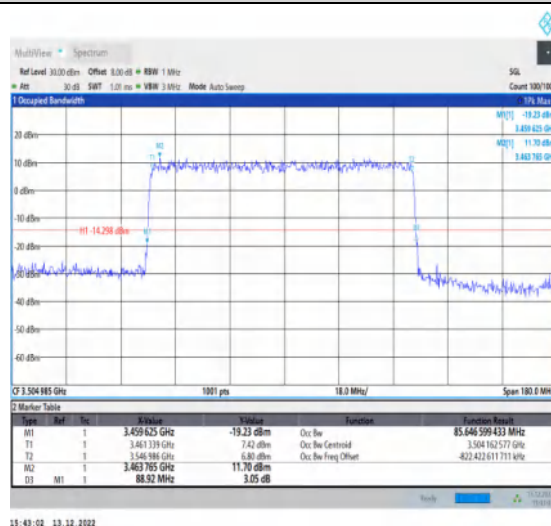
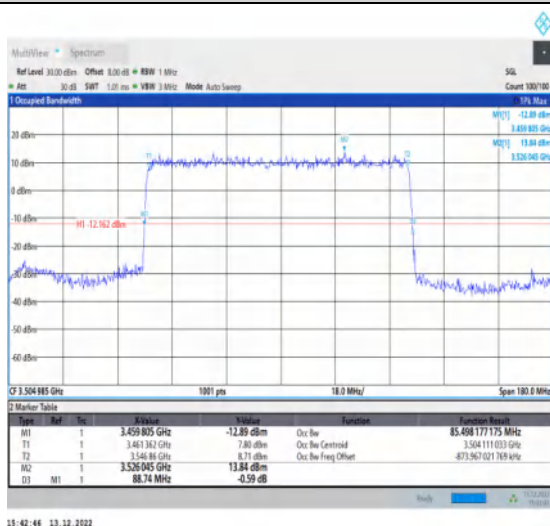
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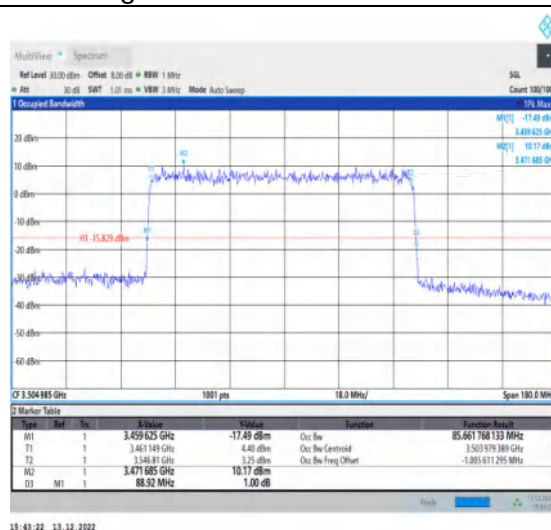
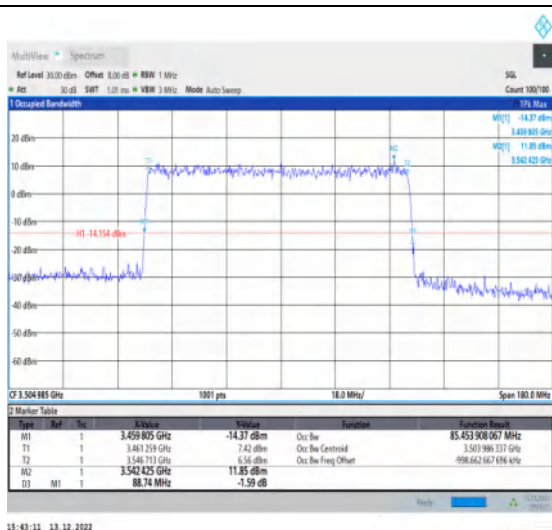
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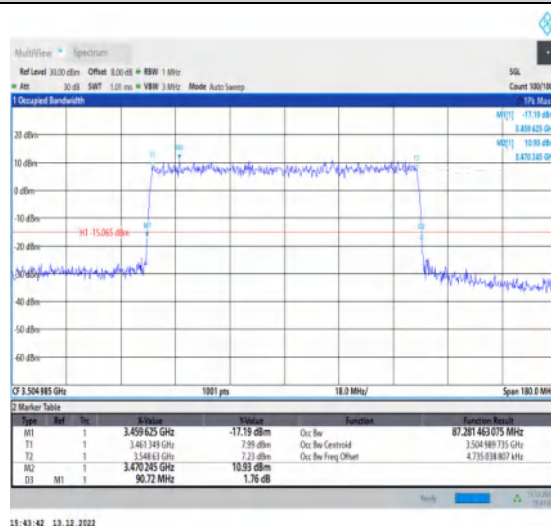
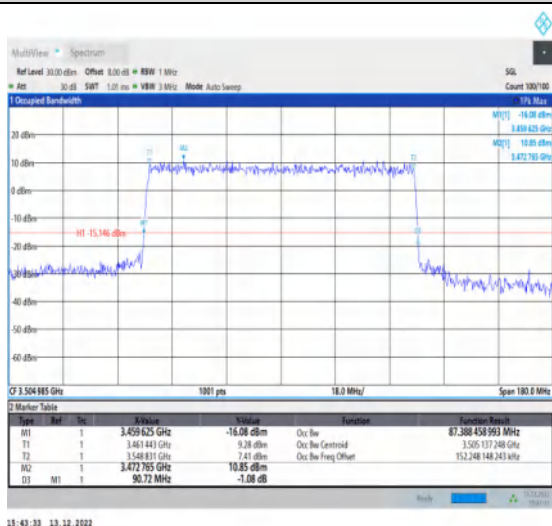
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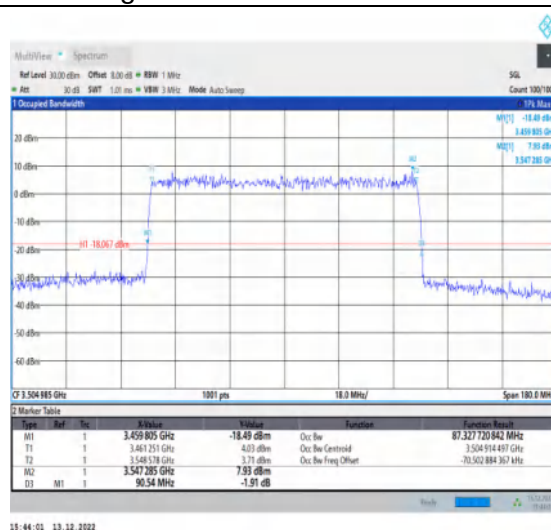
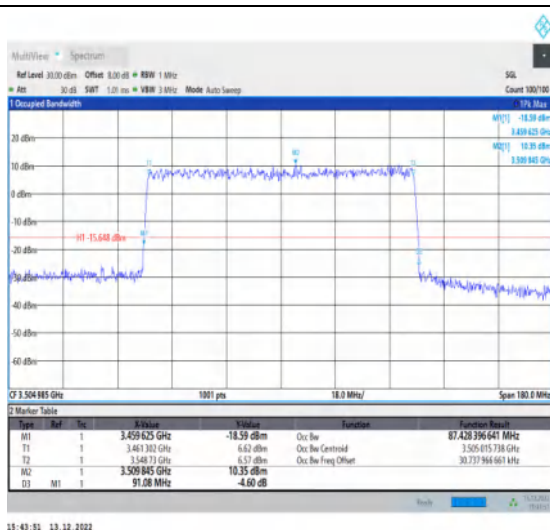
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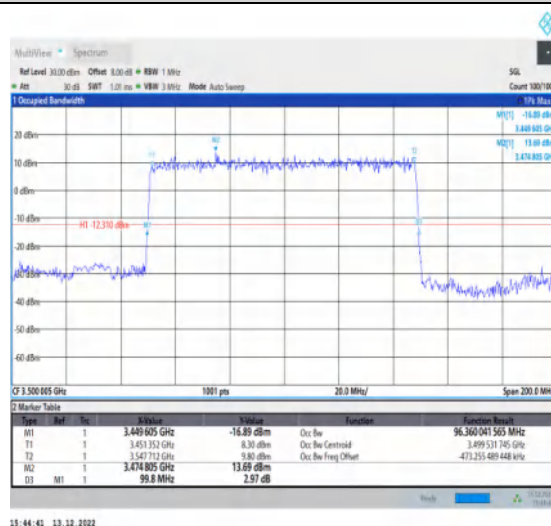
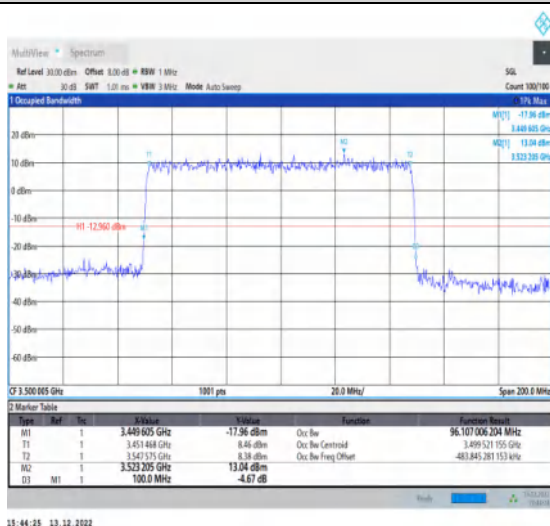
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1-N77-3450-3550-30-100-L-2-DFT-PI2BPSK-Outer_Full-270@0-Ant1-96.36-99.800-≤100-PASS



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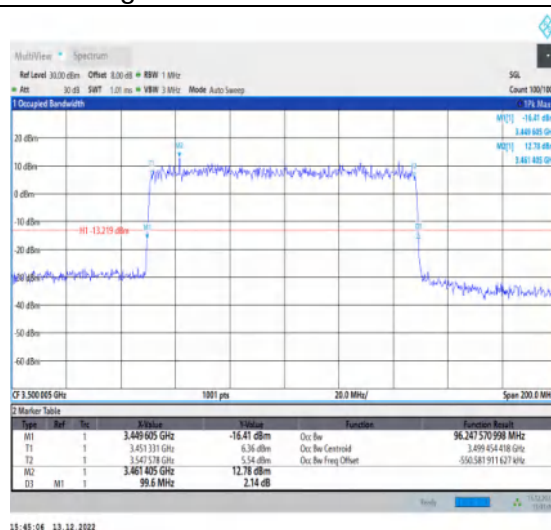
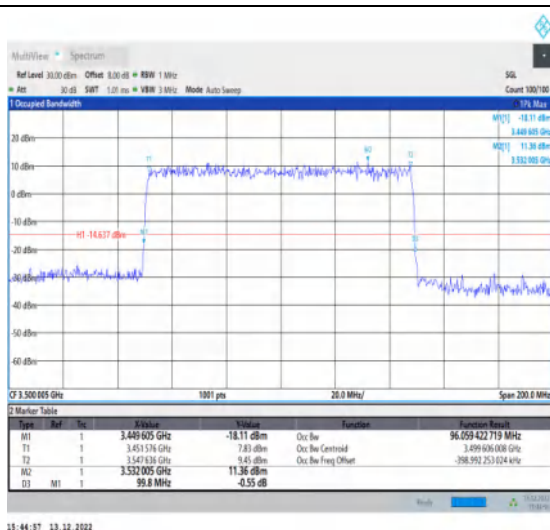
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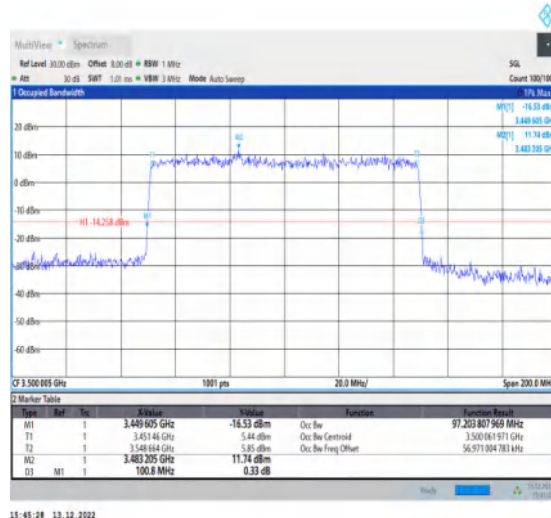
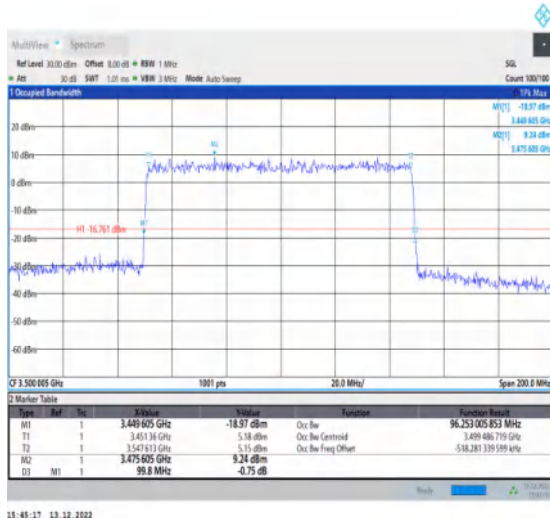
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1-N77-3450-3550-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-97.204-100.800-≤100-PASS



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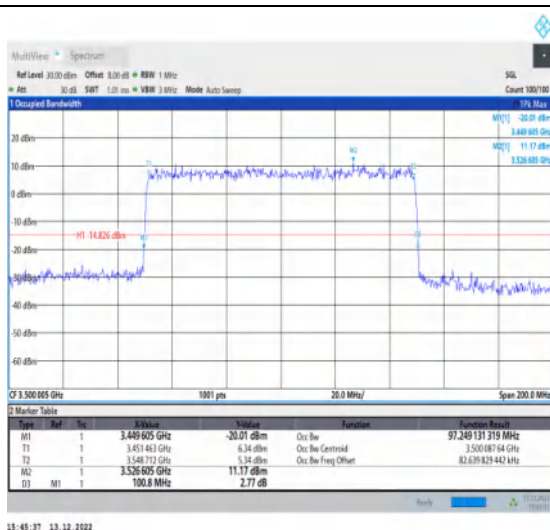
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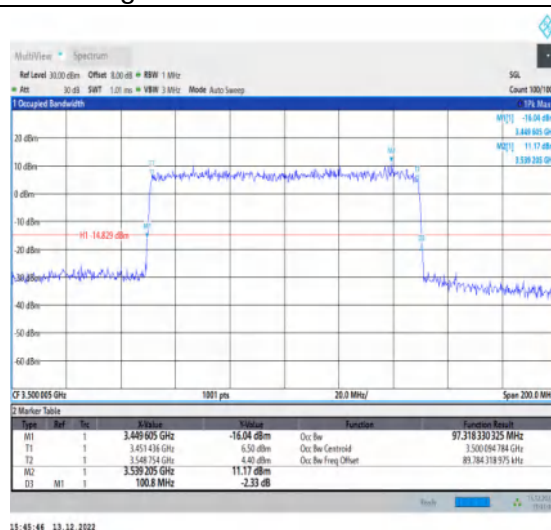
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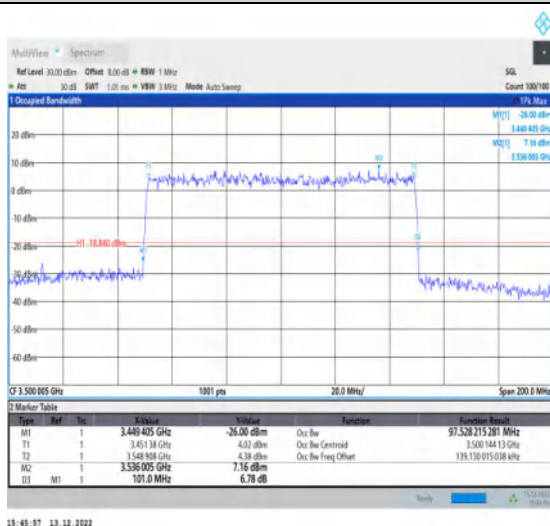
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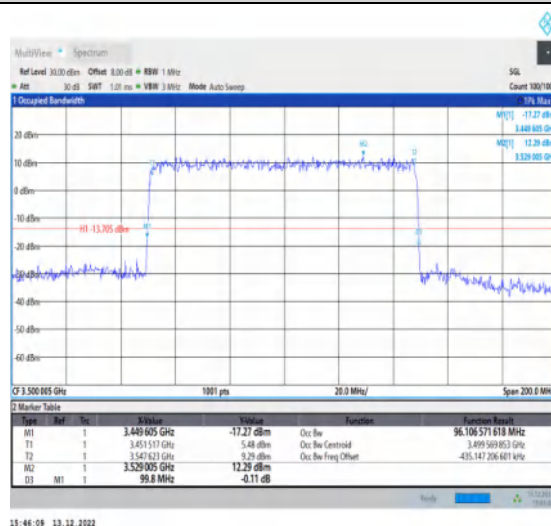
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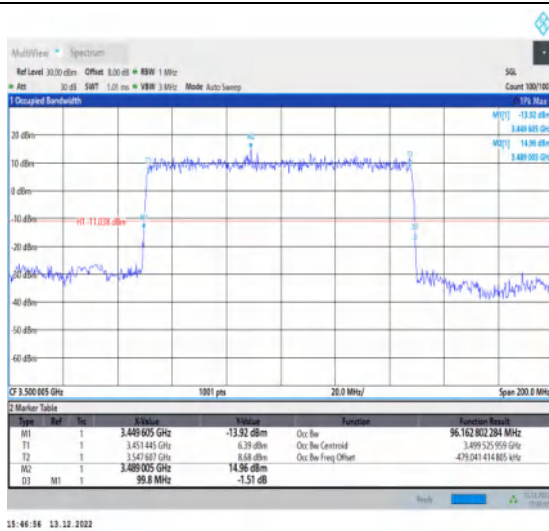
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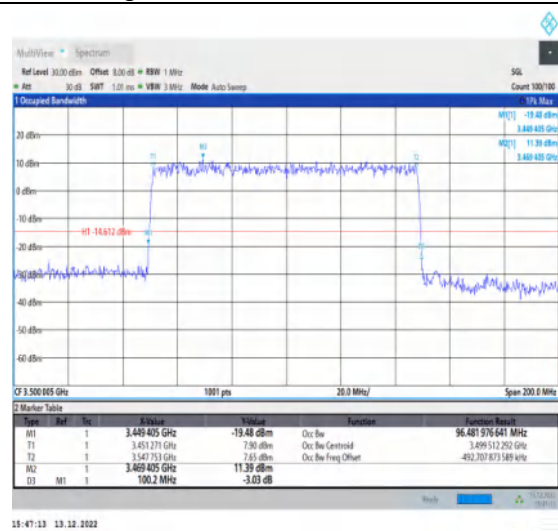
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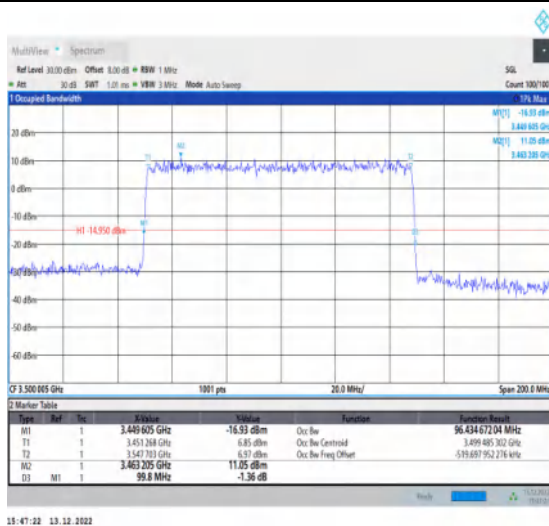
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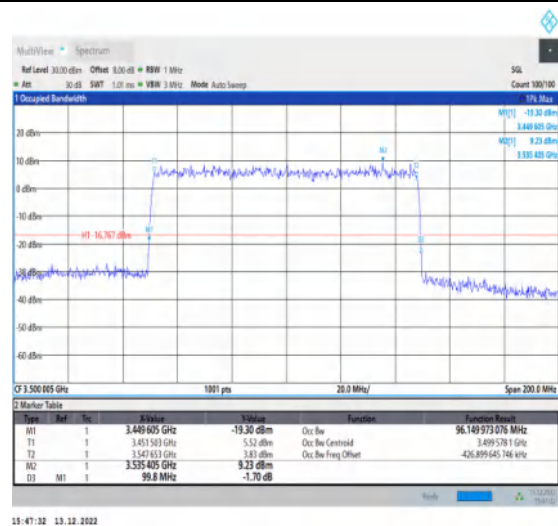
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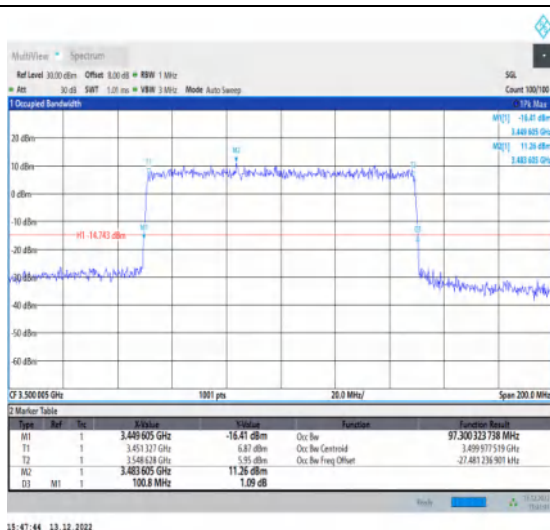
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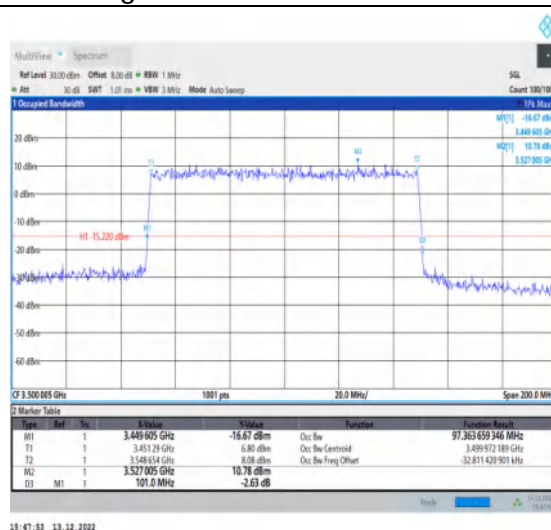
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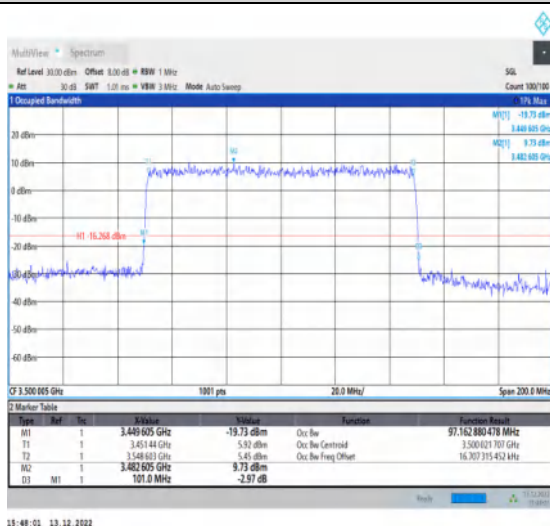
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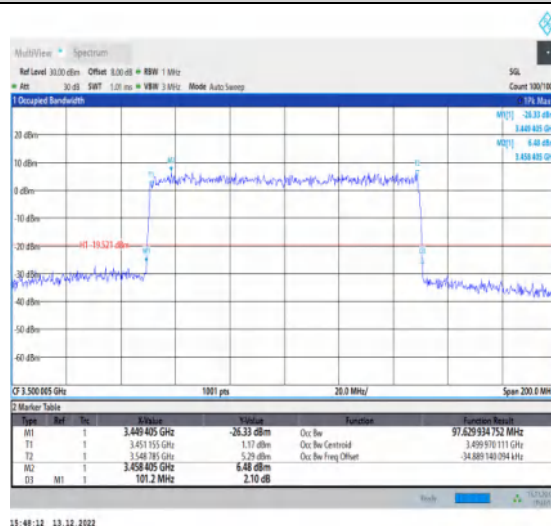
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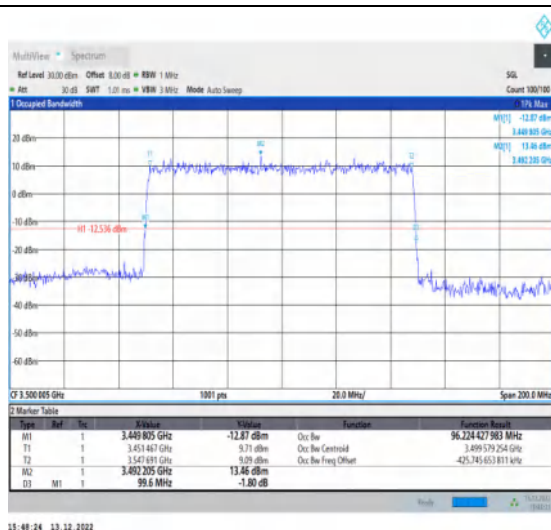
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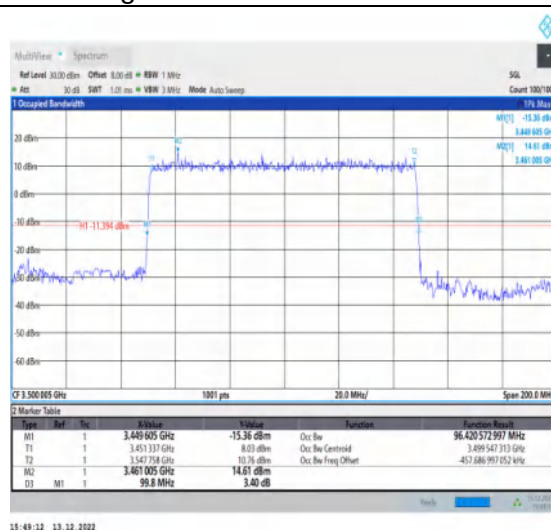
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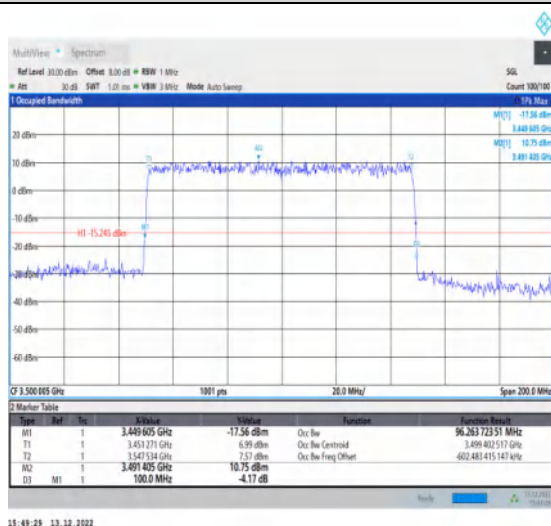
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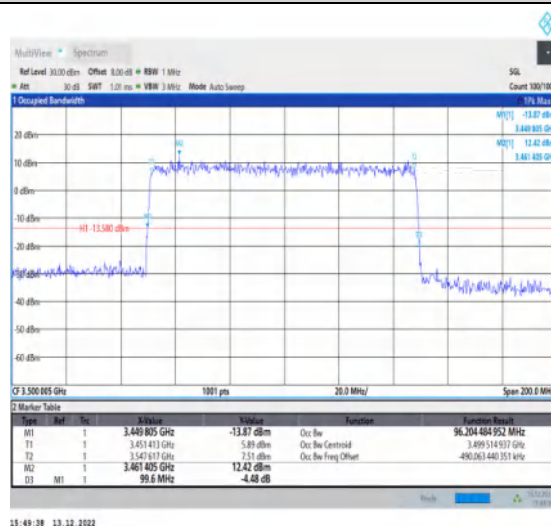
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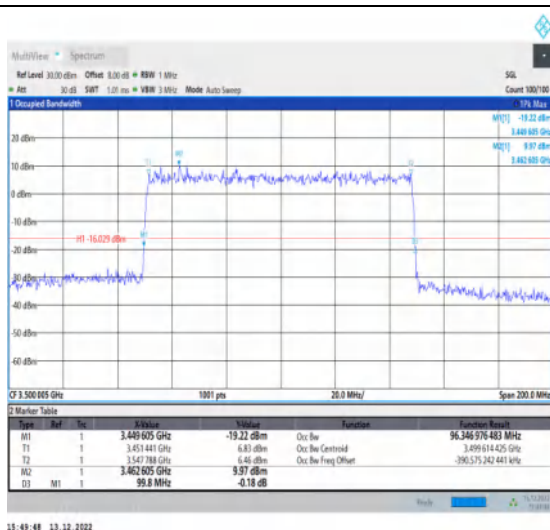
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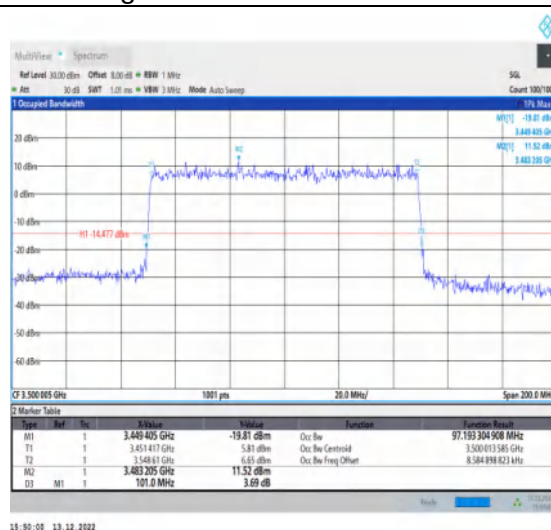
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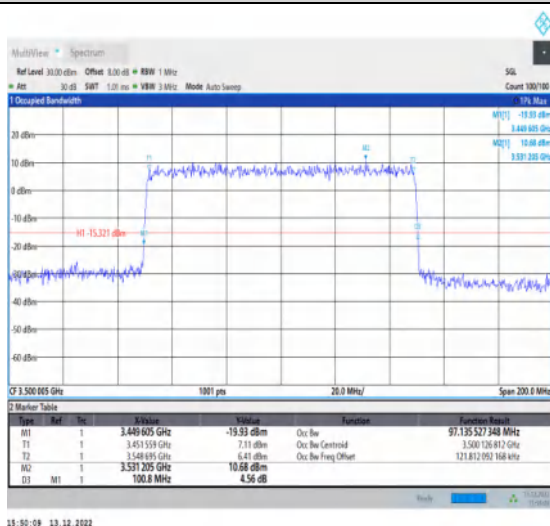
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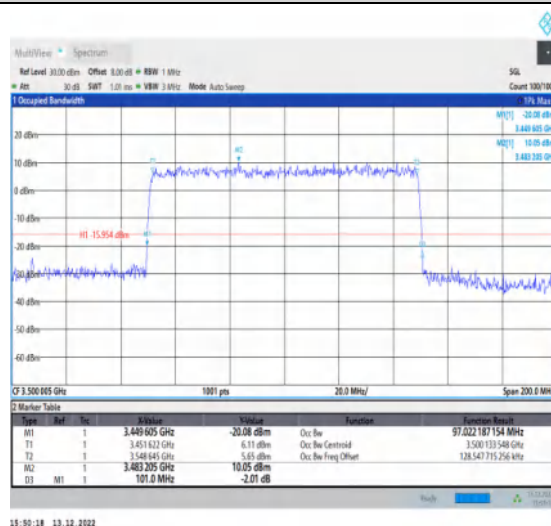
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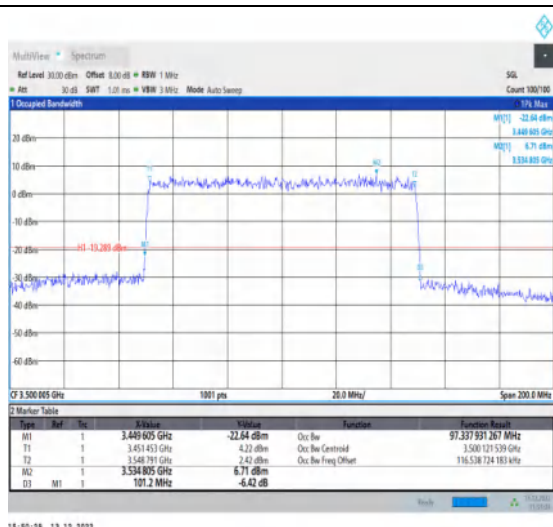
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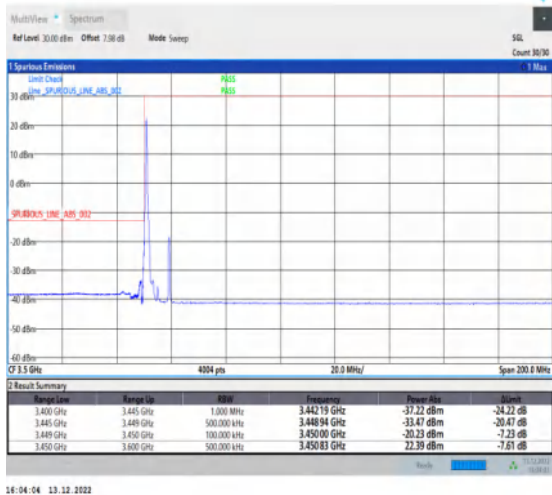
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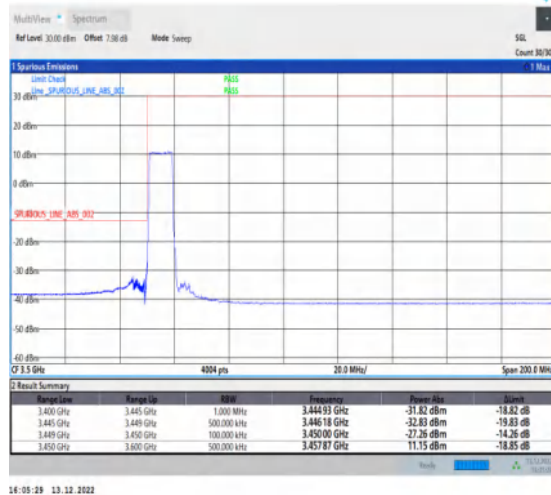
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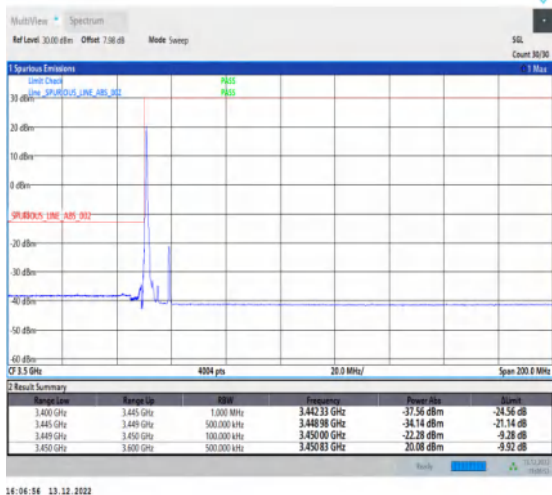
Test Graphs



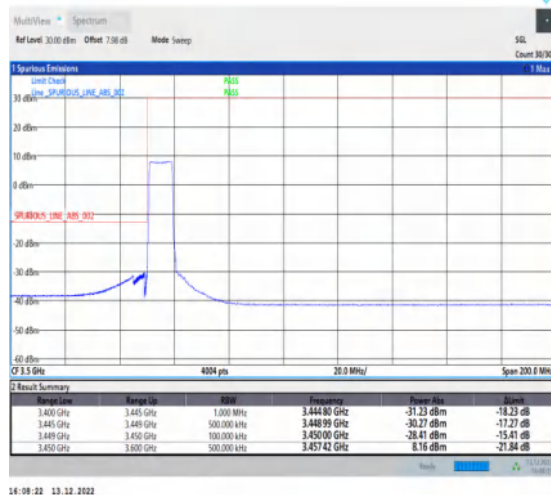
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1-N77-3450-3550-30-10-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant1-1--PASS-see graph



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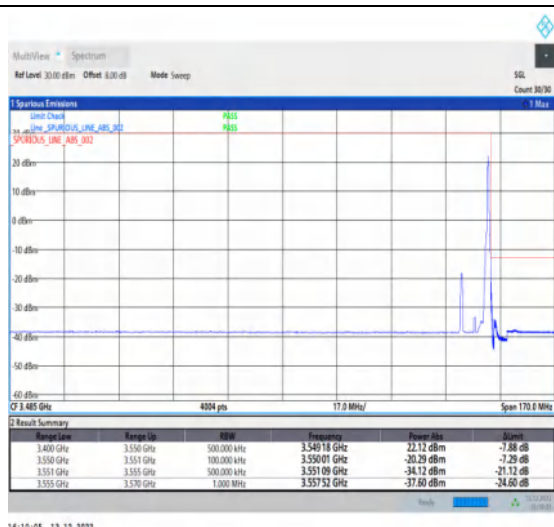
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Report No.: SEWM2212000297RG02

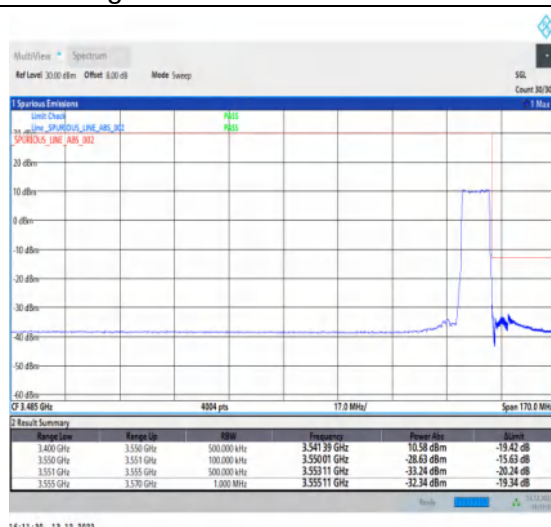
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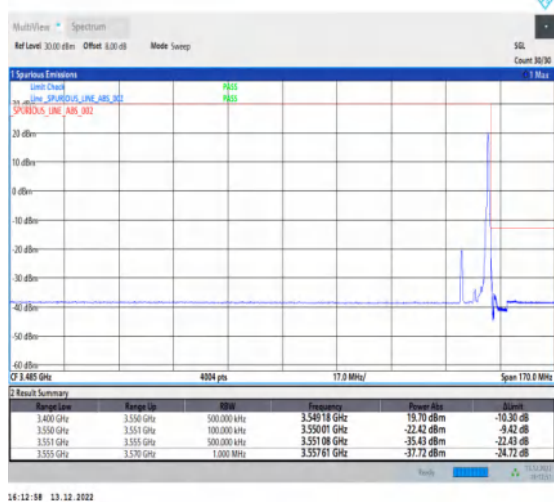
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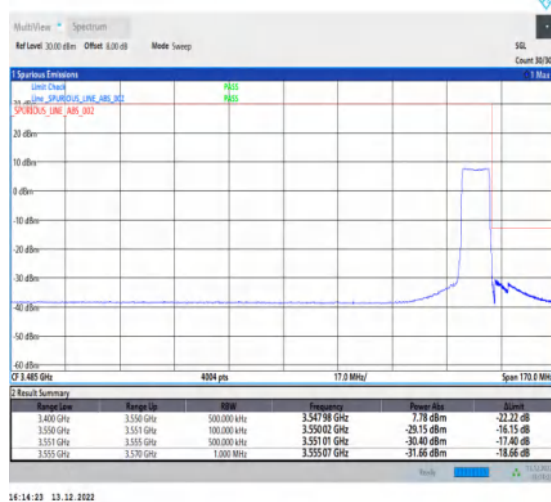
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14-12-08 13.12.2022

1-N77-3450-3550-30-10-H-5-CP-QPSK-Edge_1RB_Ri
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14-14-23 13.12.2022

1-N77-3450-3550-30-10-H-6-CP-QPSK-Outer_Full
-24@0-Ant1-1--PASS-see graph



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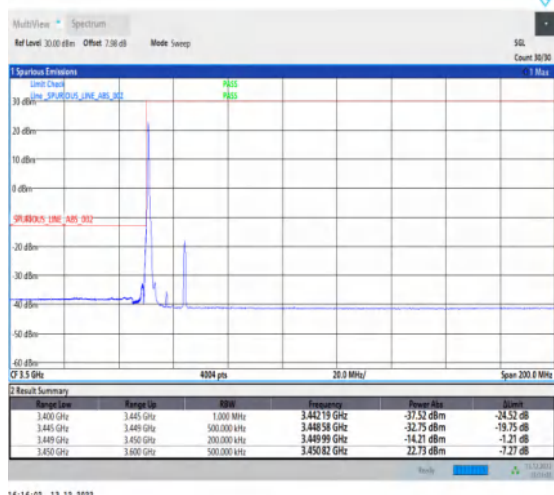
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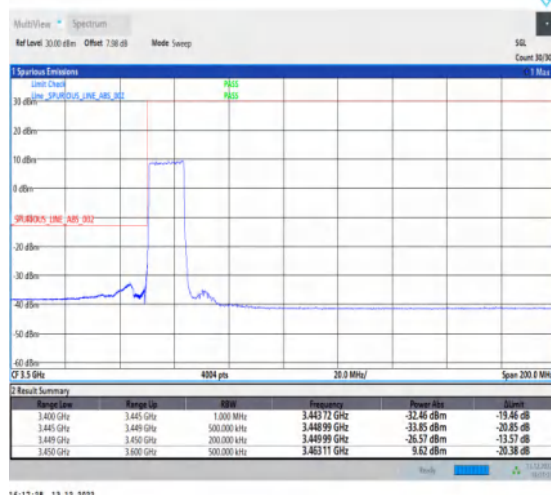
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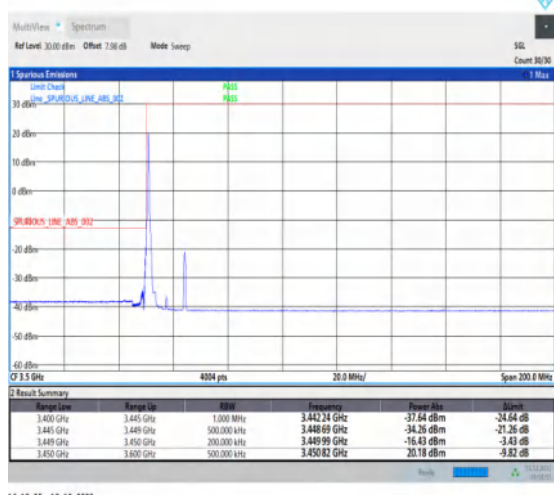
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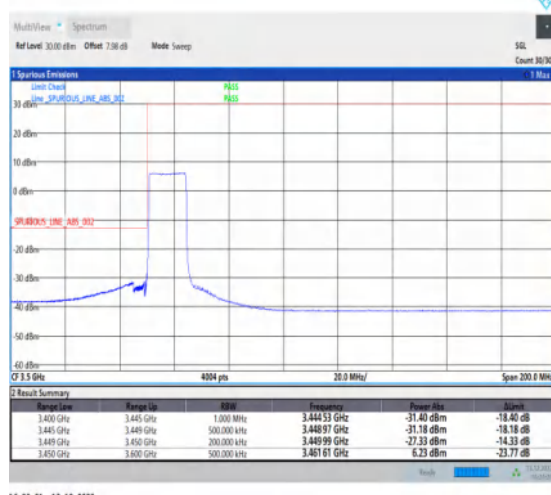
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14:18:55 13.12.2022

1-N77-3450-3550-30-15-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant1-1--PASS-see graph



14:20:21 13.12.2022

1-N77-3450-3550-30-15-L-6-CP-QPSK-Outer_Full -38@0-Ant1-1--PASS-see graph



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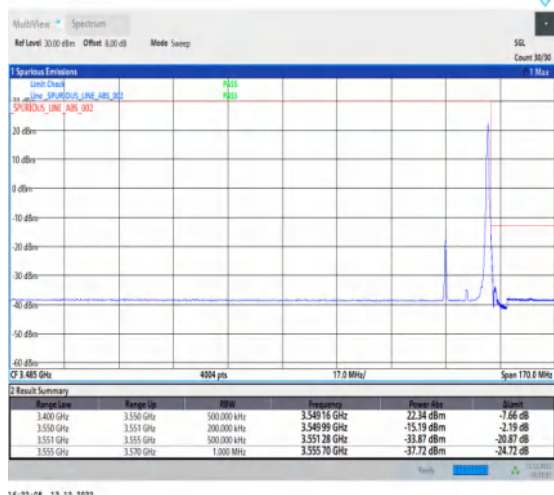
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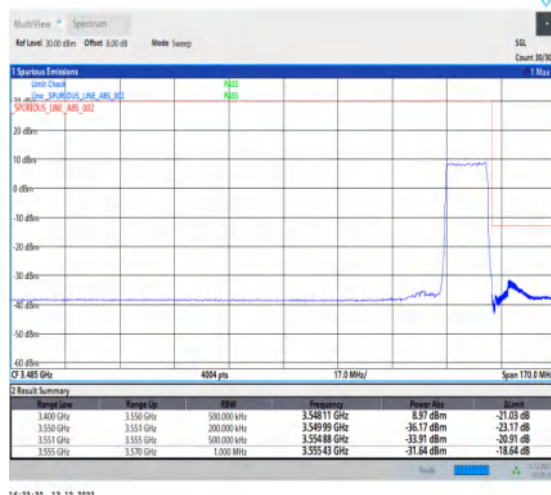
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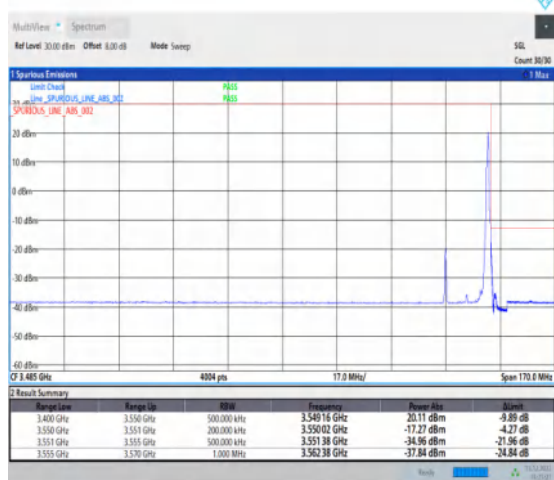
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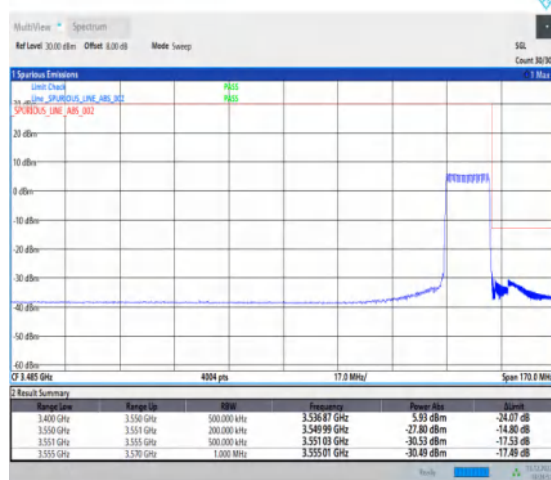
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14:25:27 13.12.2022

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14:26:52 13.12.2022

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-38@0-Ant1-1--PASS-see graph



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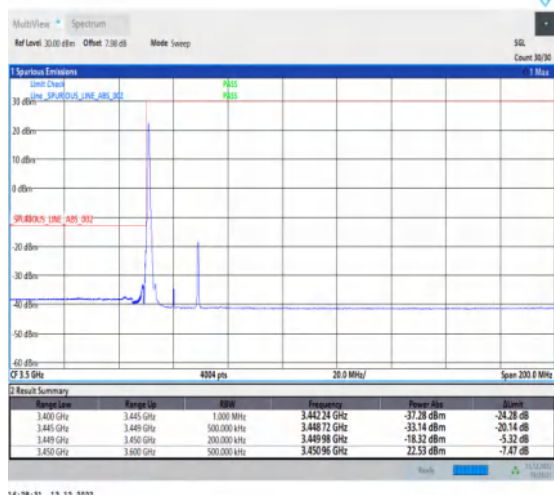
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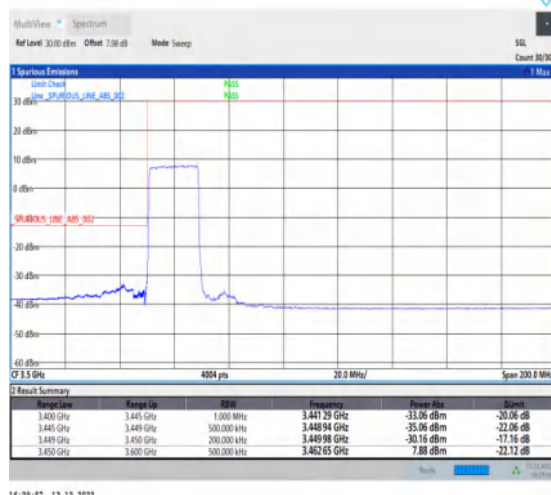
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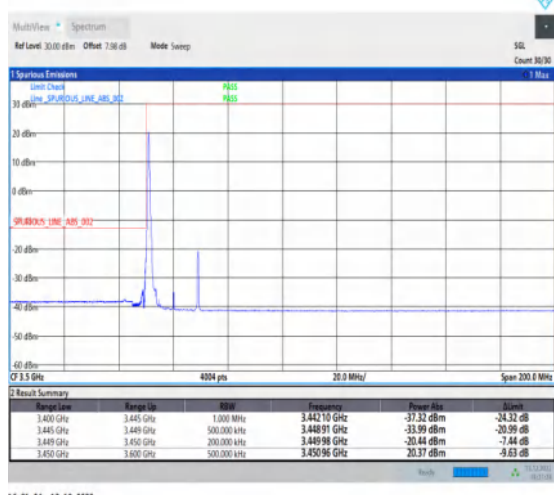
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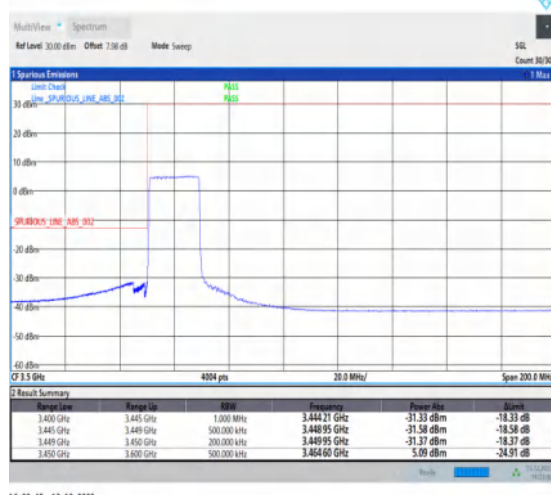
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14:31:24 13.12.2022

1-N77-3450-3550-30-20-L-4-CP-QPSK-Edge_1RB_Lef
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14:32:49 13.12.2022

1-N77-3450-3550-30-20-L-6-CP-QPSK-Outer_Full
-51@0-Ant1-1--PASS-see graph



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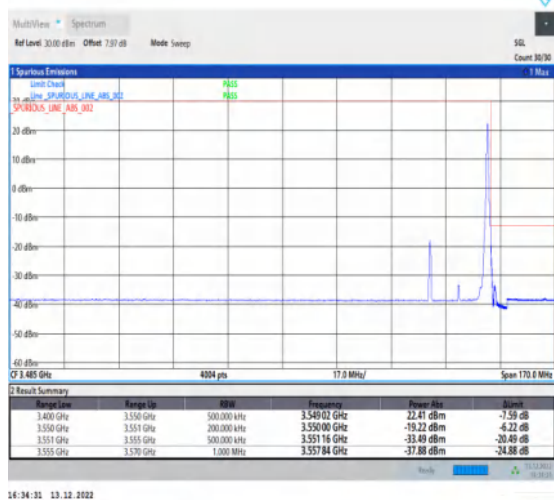
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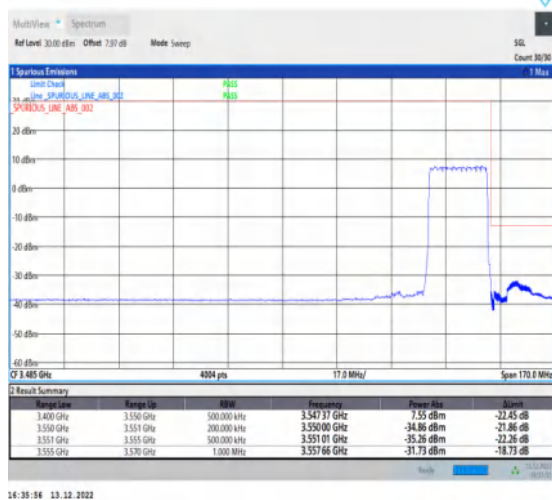
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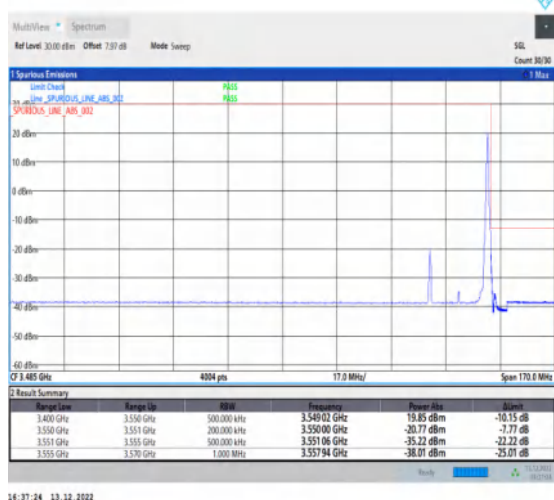
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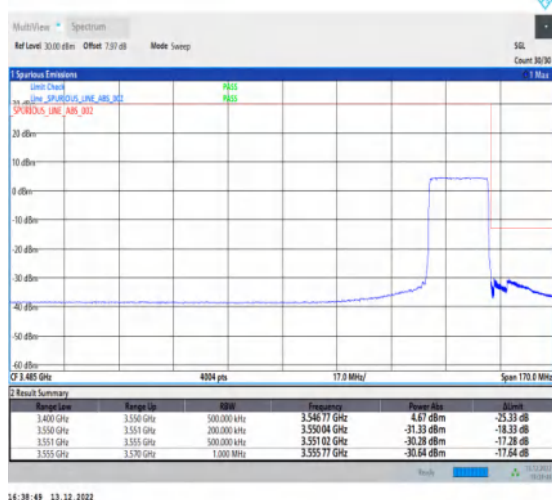
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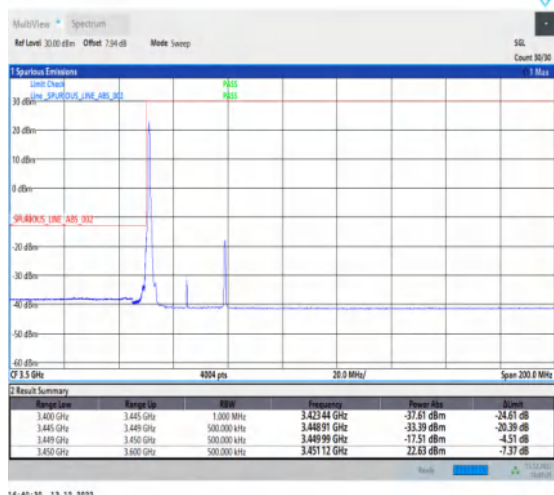
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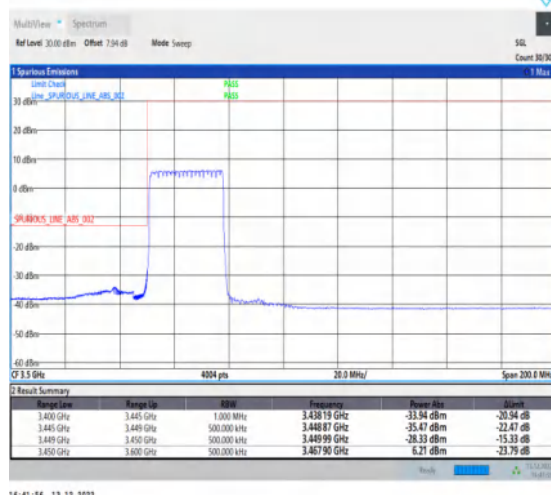
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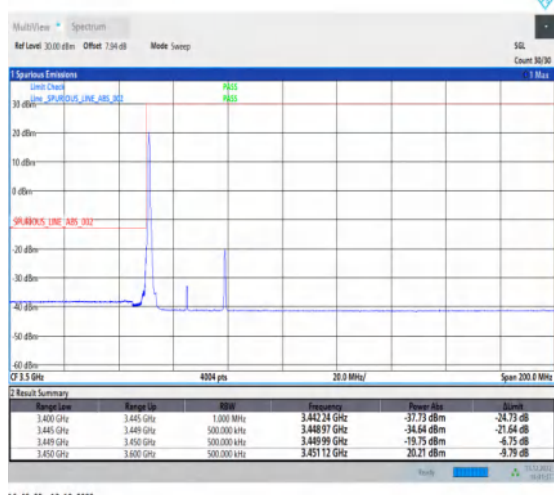
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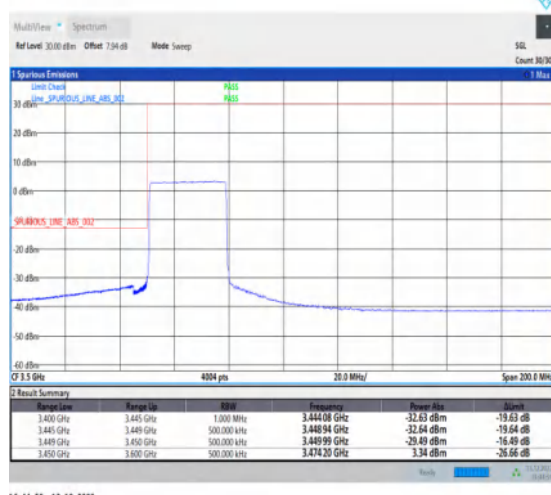
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1-N77-3450-3550-30-30-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant1-1--PASS-see graph



1-N77-3450-3550-30-30-L-6-CP-QPSK-Outer_Full -78@0-Ant1-1--PASS-see graph



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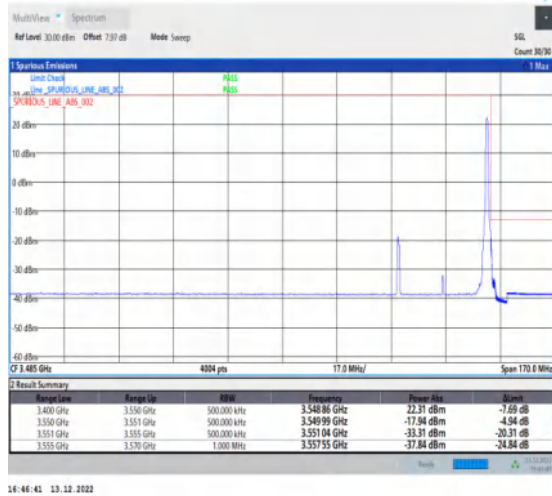
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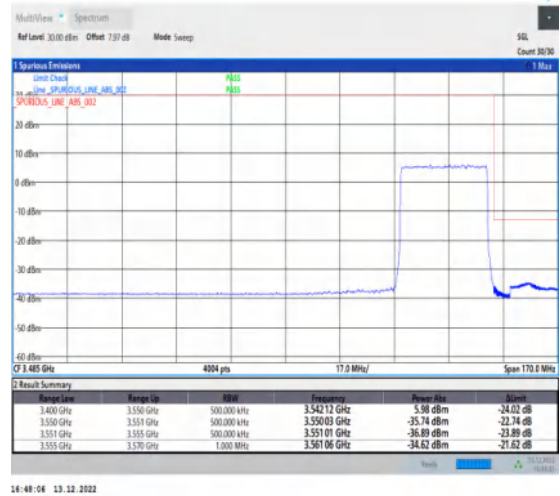
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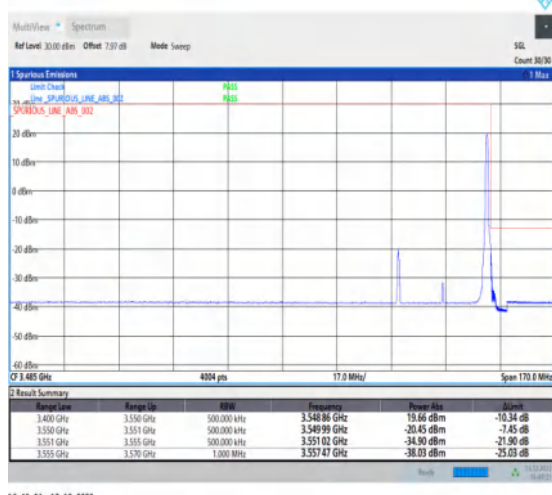
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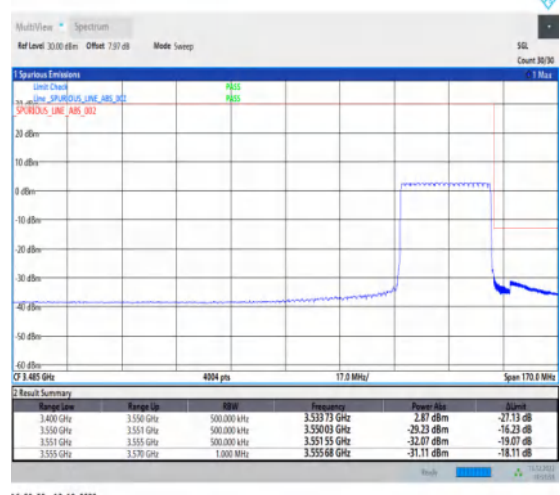
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14:49:34 13.12.2022

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14:50:19 13.12.2022

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-78@0-Ant1-1--PASS-see graph



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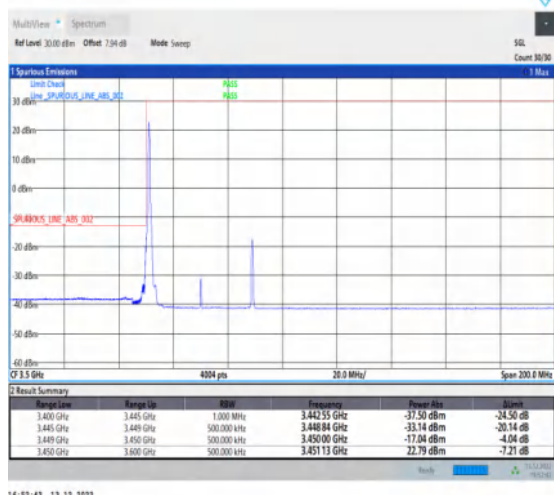
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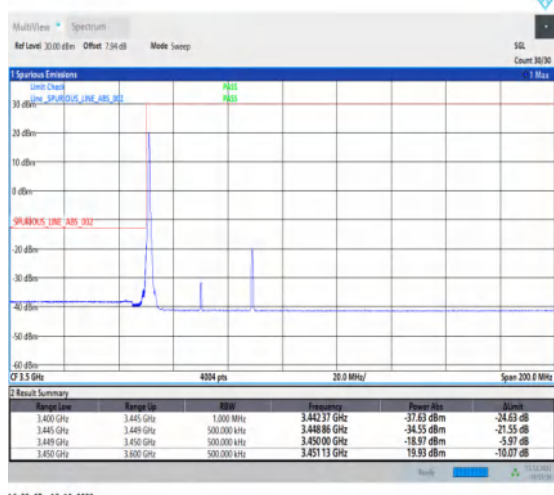
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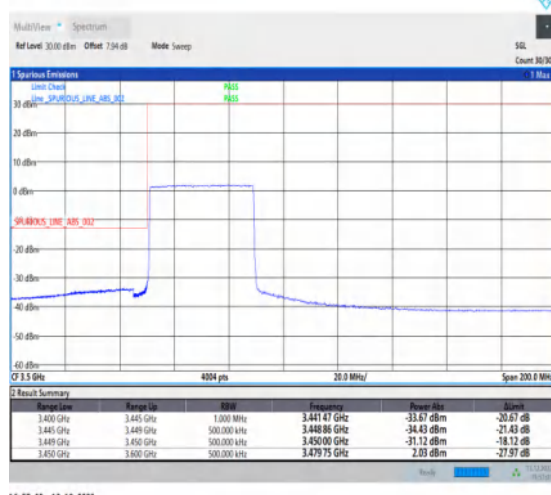
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16:57:02 13.12.2022

1-N77-3450-3550-30-40-L-6-CP-QPSK-Outer_Full
-106@0-Ant1-1--PASS-see graph



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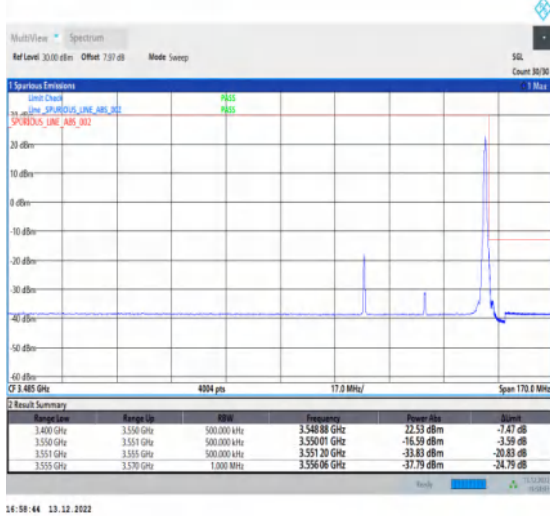
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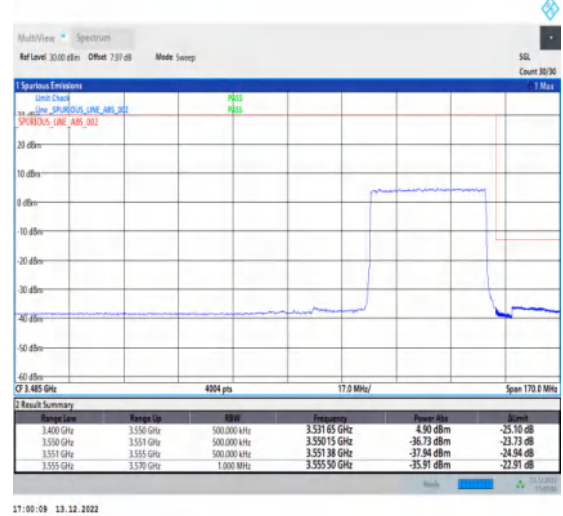
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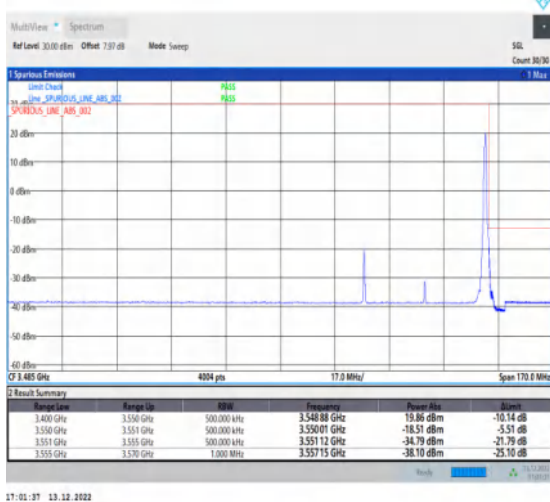
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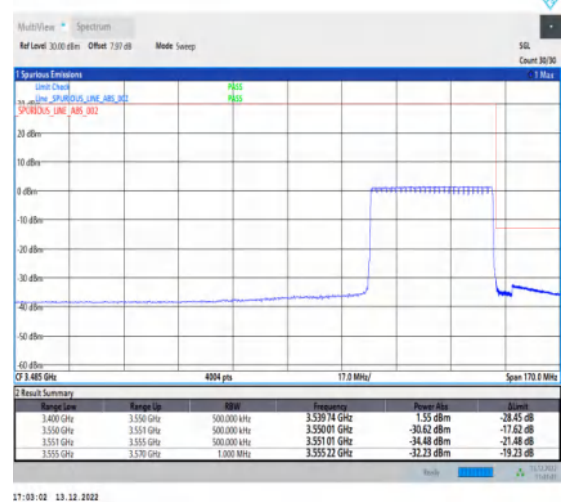
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1-N77-3450-3550-30-40-H-3-DFT-PI2BPSK-Outer
_Full-100@0-Ant1-1--PASS-see graph



1-N77-3450-3550-30-40-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@105-Ant1-1--PASS-see graph



1-N77-3450-3550-30-40-H-6-CP-QPSK-Outer_Full
-106@0-Ant1-1--PASS-see graph



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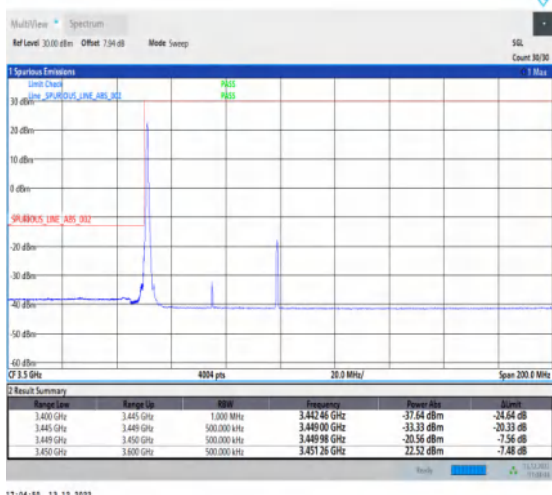
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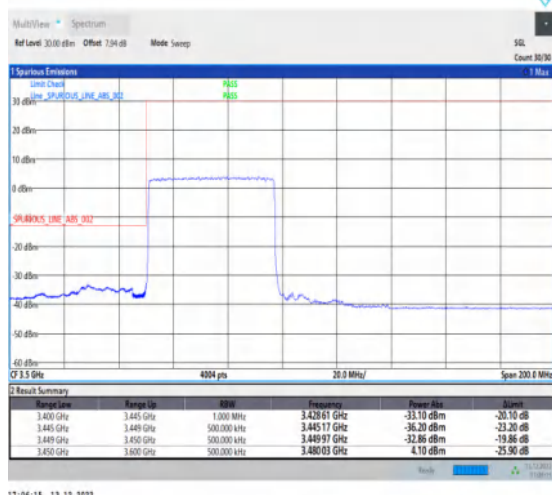
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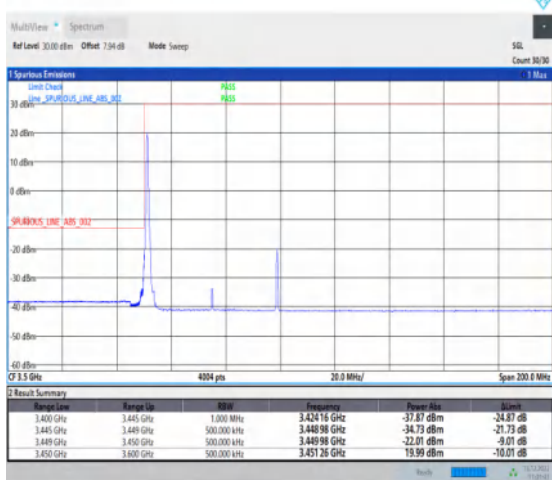
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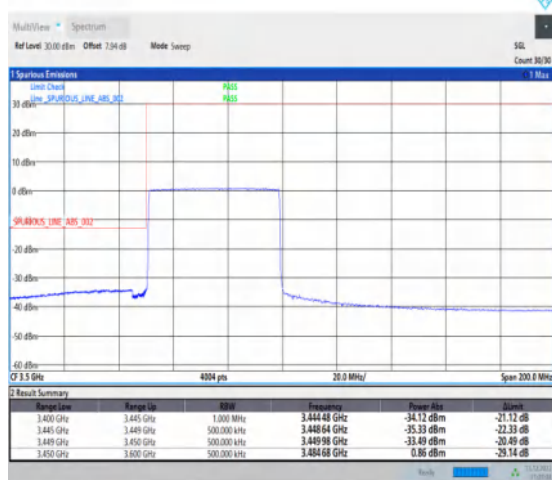
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17:07:43 13.12.2022

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17:09:09 13.12.2022

1-N77-3450-3550-30-50-L-6-CP-QPSK-Outer_Full -133@0-Ant1-1--PASS-see graph



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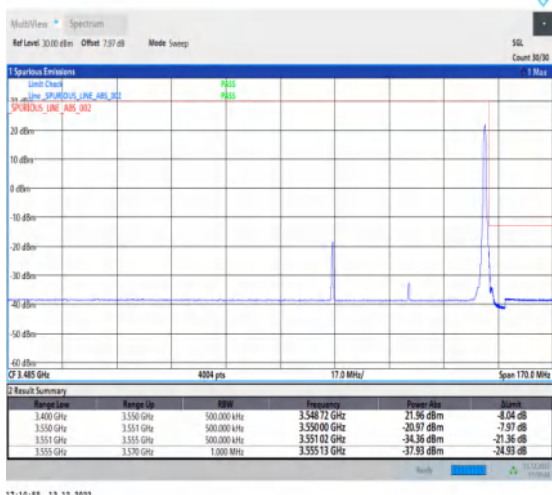
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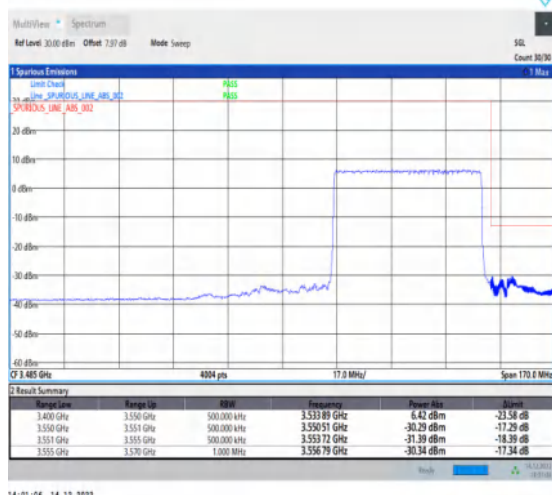
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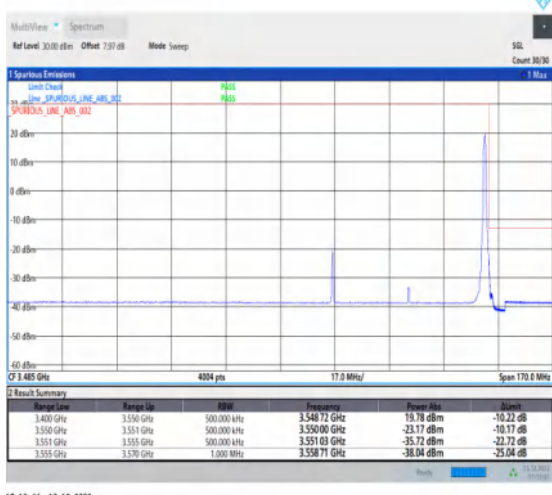
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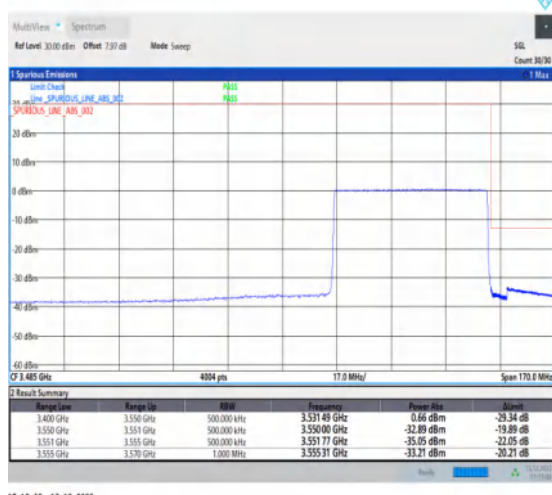
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17-11-04 13.12.2022

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17-11-09 13.12.2022

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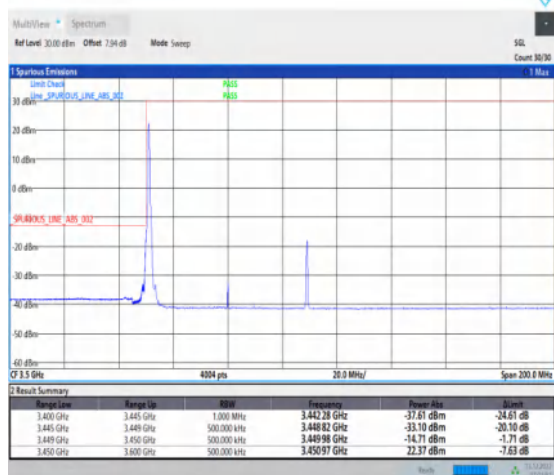


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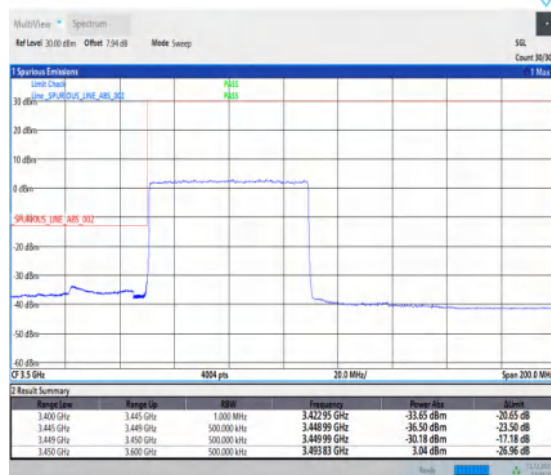
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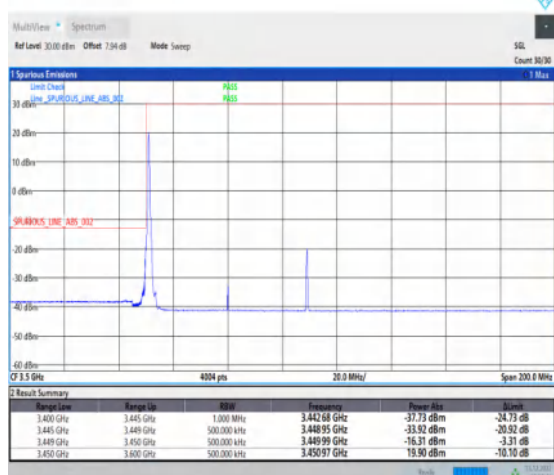
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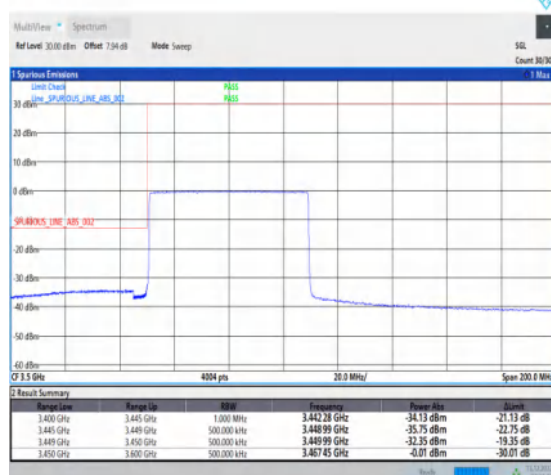
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17:19:46 13.12.2022

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17:21:12 13.12.2022

1-N77-3450-3550-30-60-L-6-CP-QPSK-Outer_Full
-162@0-Ant1-1--PASS-see graph



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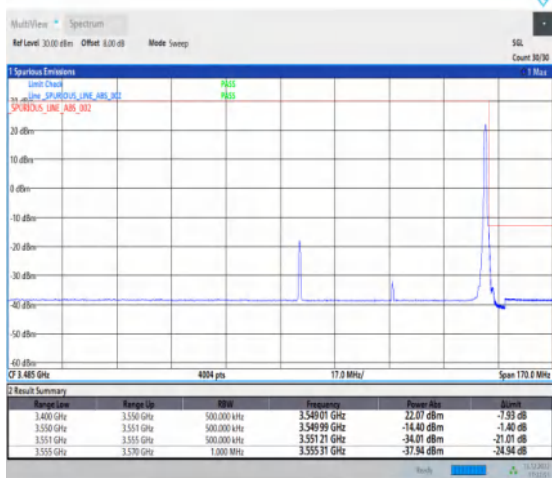
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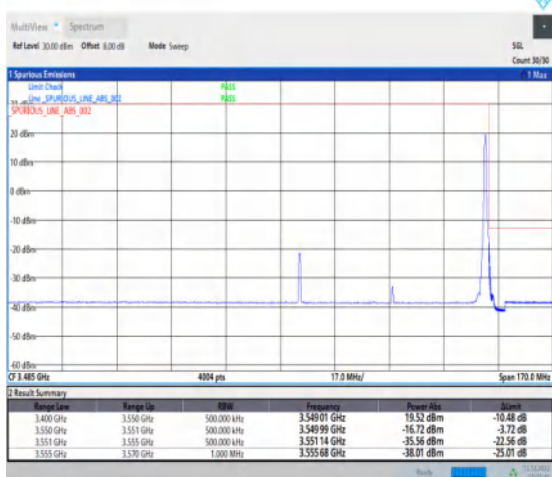
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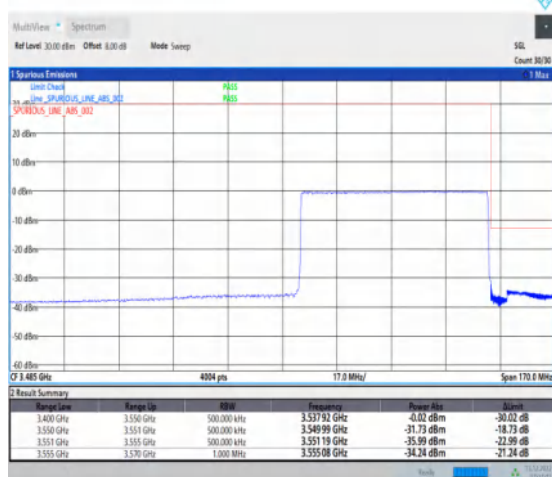
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1-N77-3450-3550-30-60-H-6-CP-QPSK-Outer_Full
-162@0-Ant1-1--PASS-see graph



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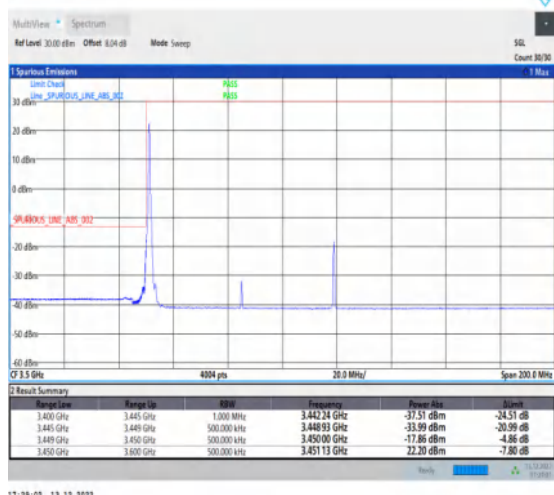
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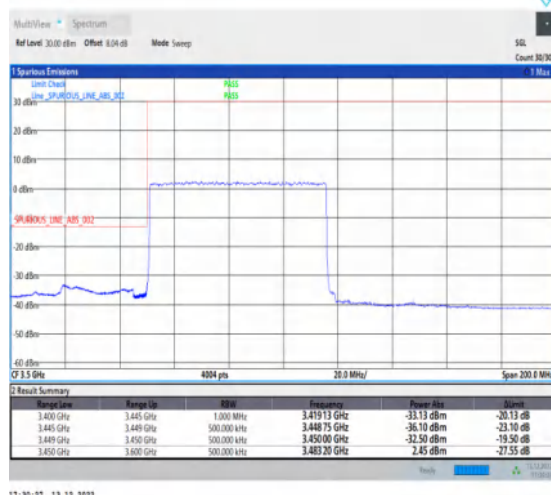
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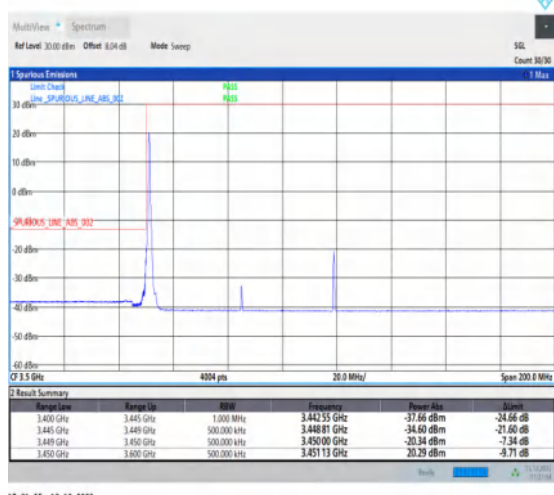
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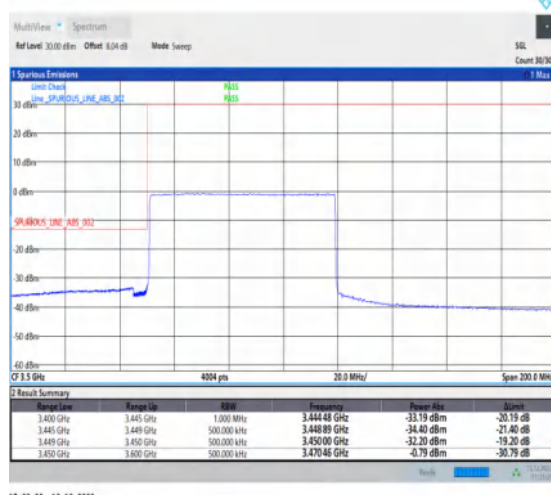
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17:31:55 13.12.2022

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17:33:20 13.12.2022

1-N77-3450-3550-30-70-L-6-CP-QPSK-Outer_Full -189@0-Ant1-1--PASS-see graph



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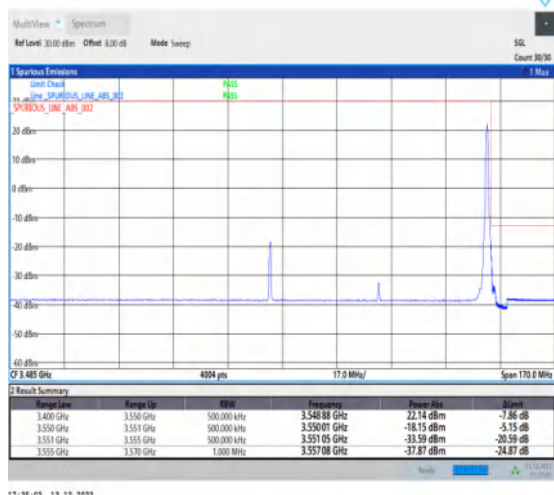
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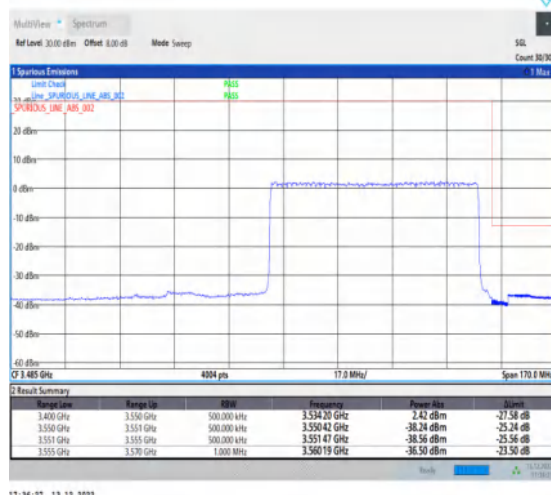
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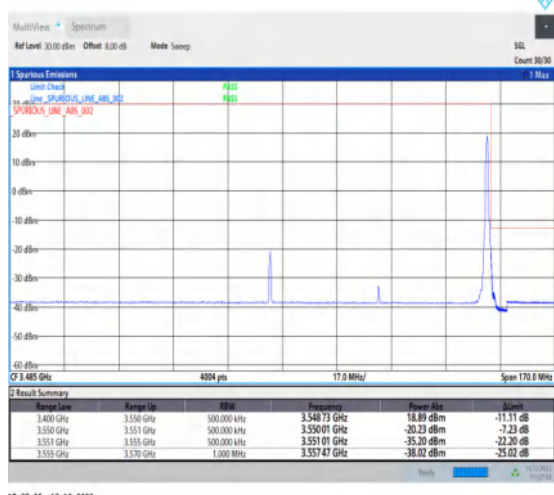
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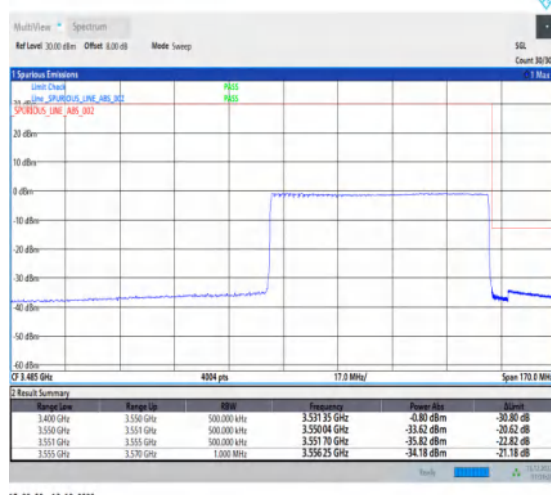
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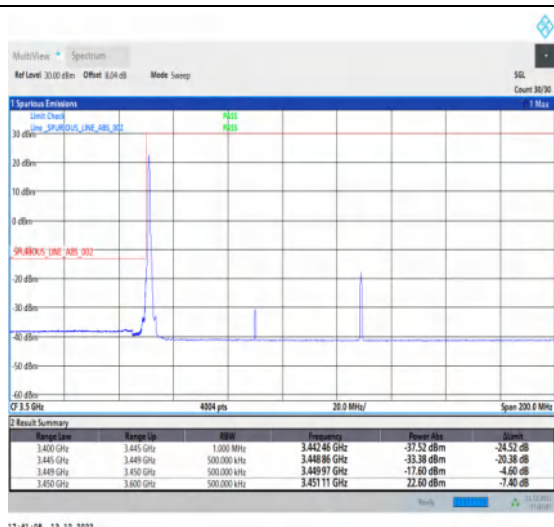
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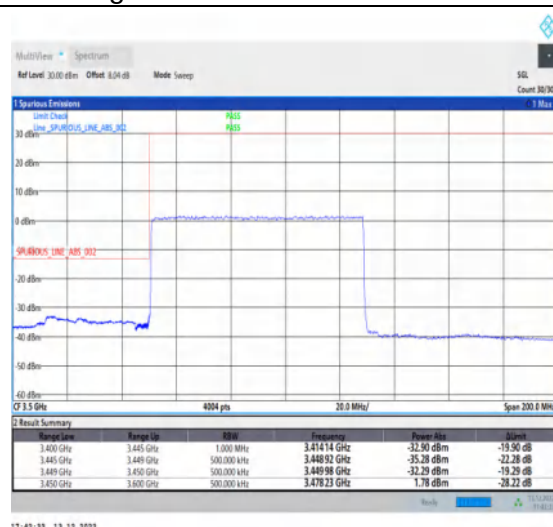
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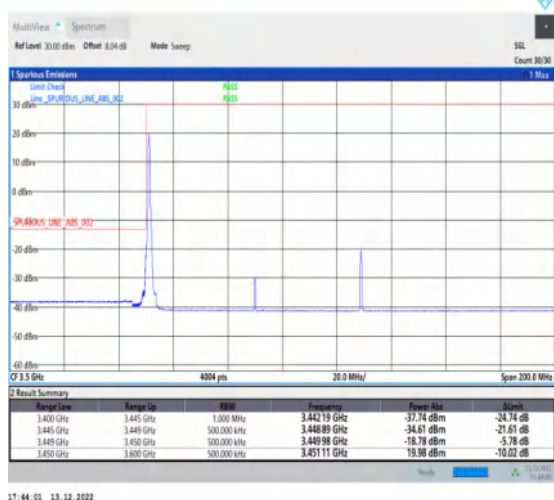
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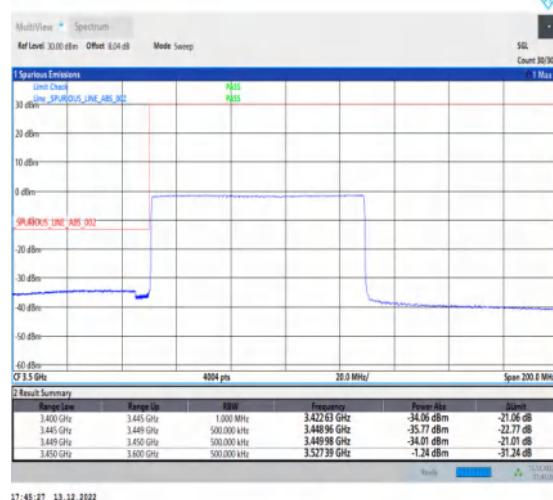
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1-N77-3450-3550-30-80-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant1-1--PASS-see graph



1-N77-3450-3550-30-80-L-6-CP-QPSK-Outer_Full -217@0-Ant1-1--PASS-see graph



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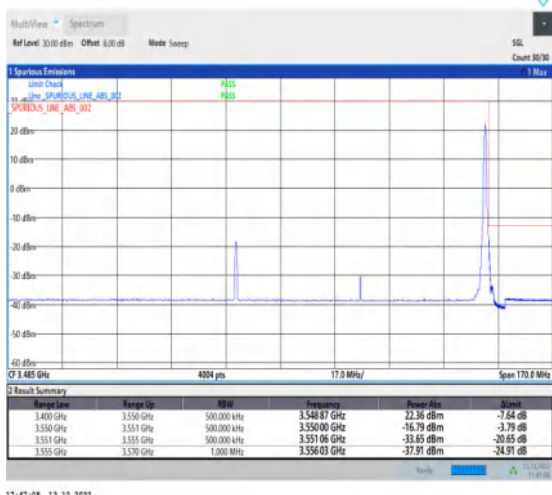
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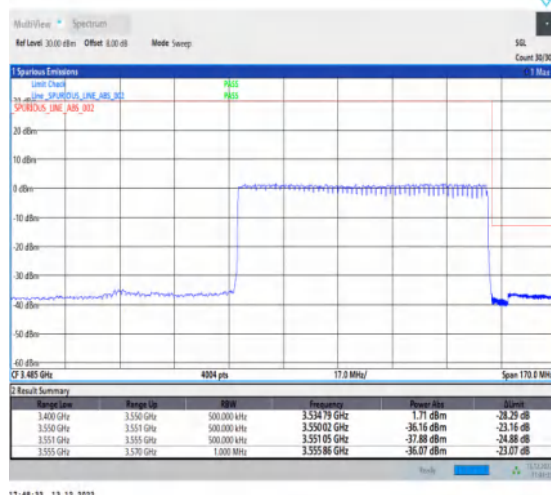
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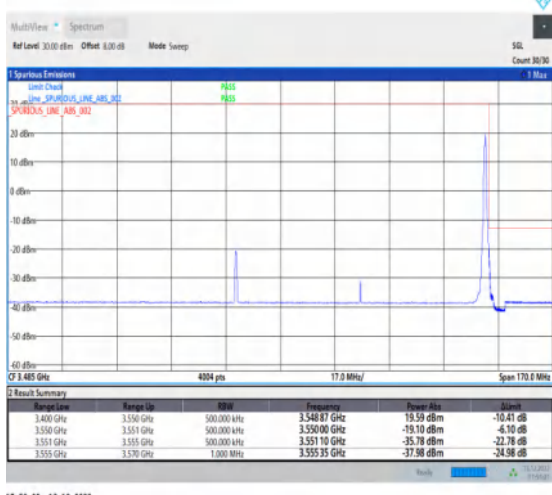
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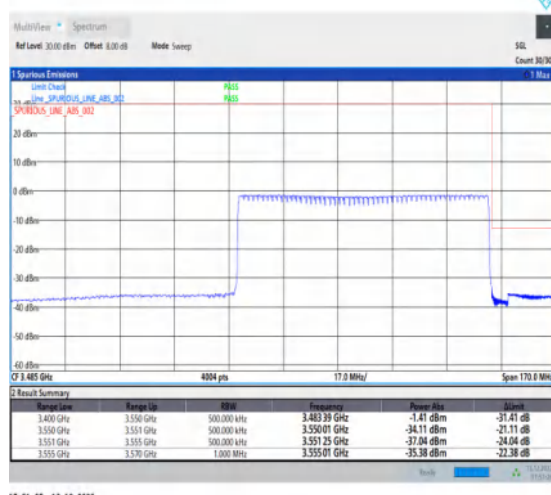
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_Full-216@0-Ant1-1--PASS-see graph



1-N77-3450-3550-30-80-H-5-CP-QPSK-Edge_1RB_Ri
ght-1@216-Ant1-1--PASS-see graph



1-N77-3450-3550-30-80-H-6-CP-QPSK-Outer_Full
-217@0-Ant1-1--PASS-see graph



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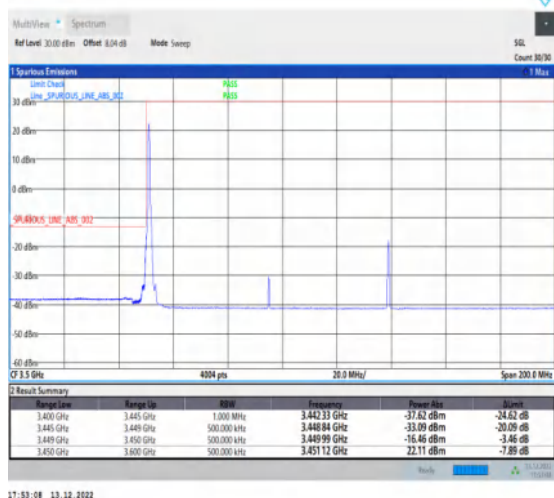
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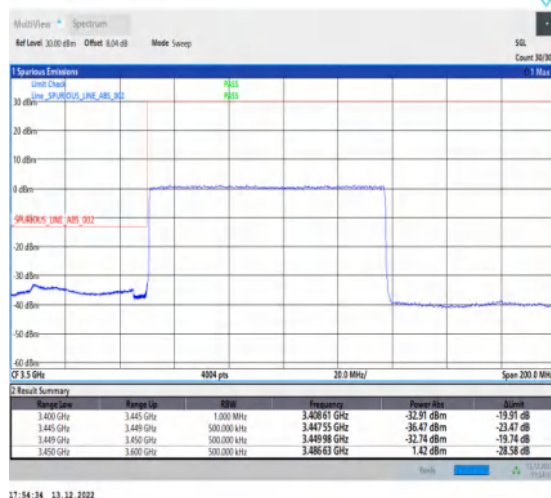
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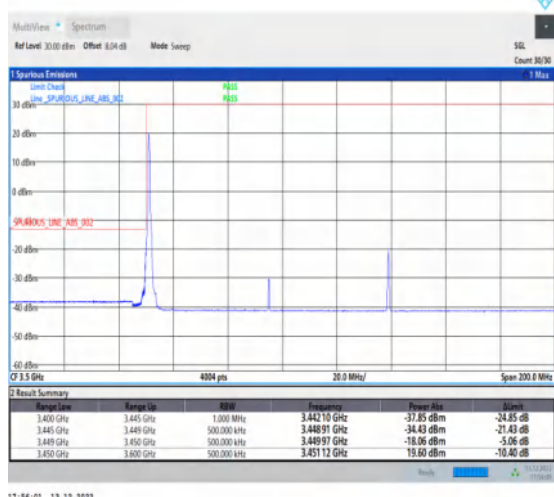
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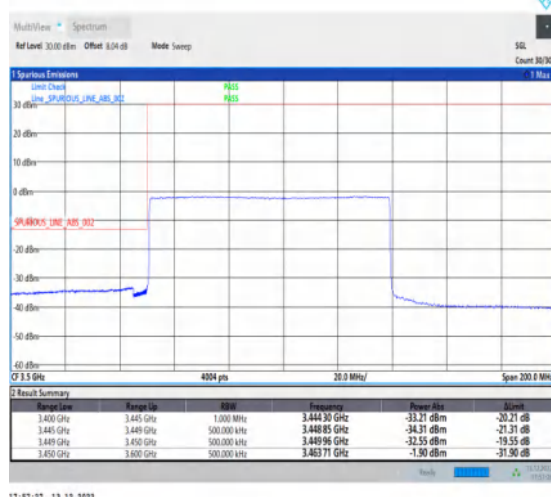
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17:56:01 13.12.2022

1-N77-3450-3550-30-90-L-4-CP-QPSK-Edge_1RB_Lef
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17:57:27 13.12.2022

1-N77-3450-3550-30-90-L-6-CP-QPSK-Outer_Full
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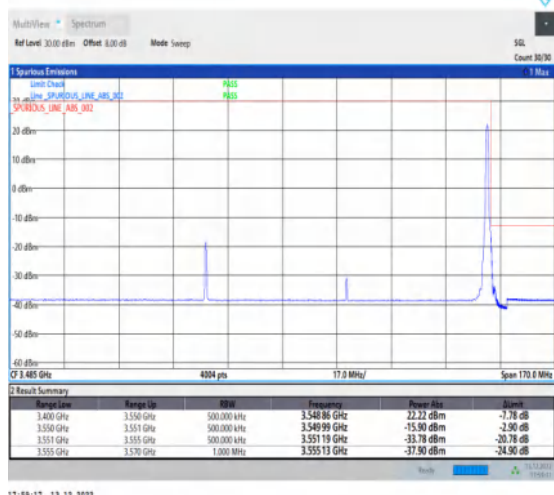
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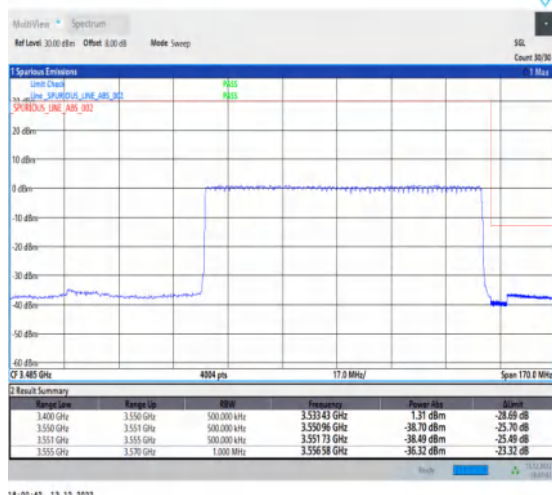
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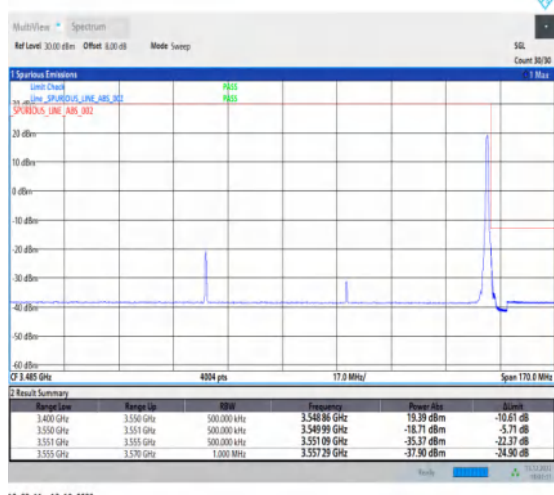
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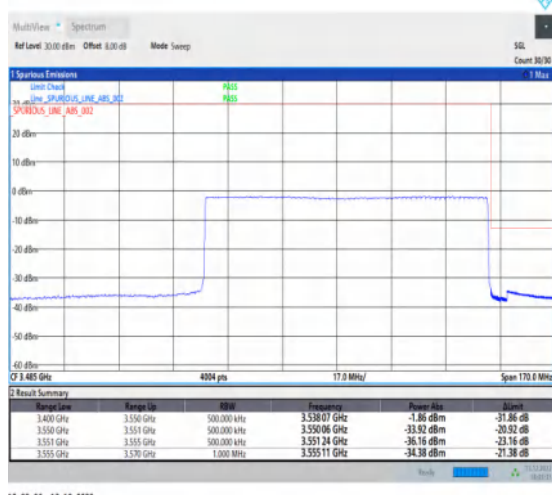
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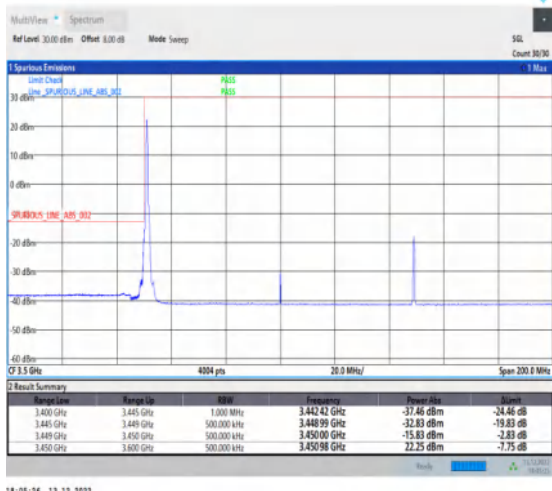
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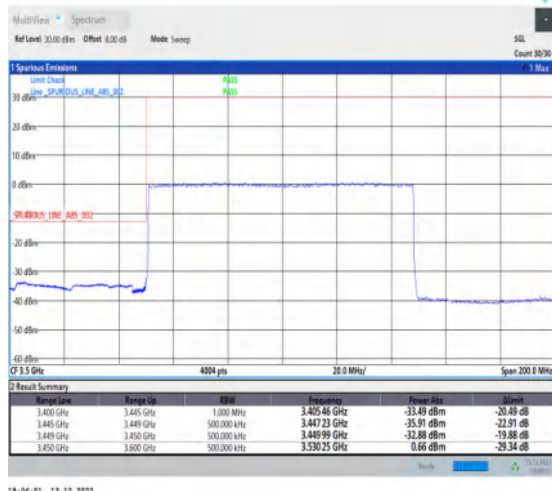
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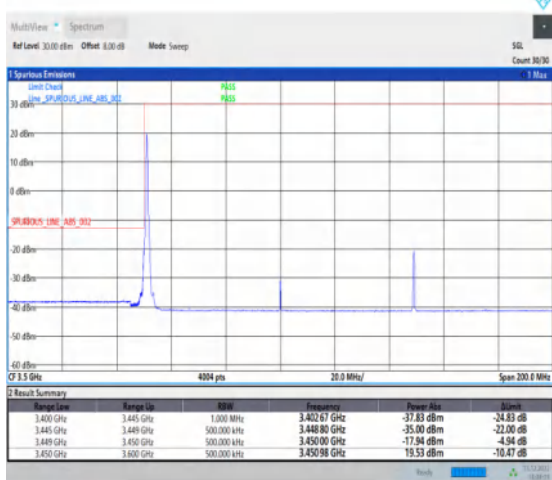
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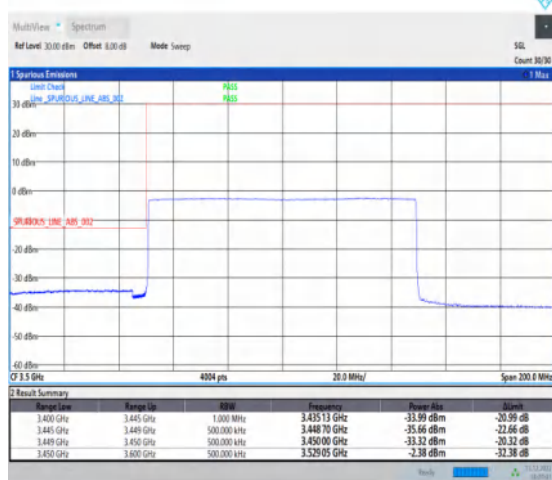
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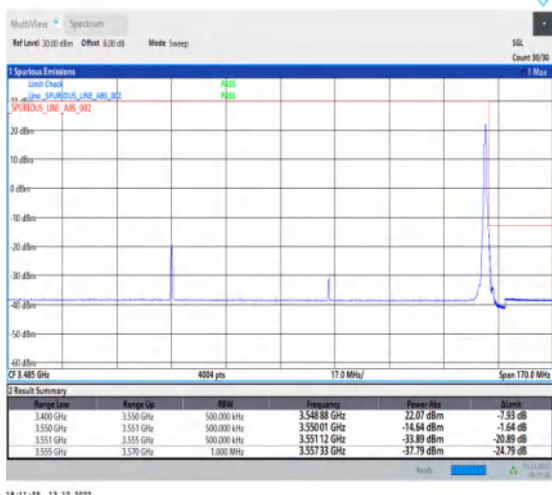
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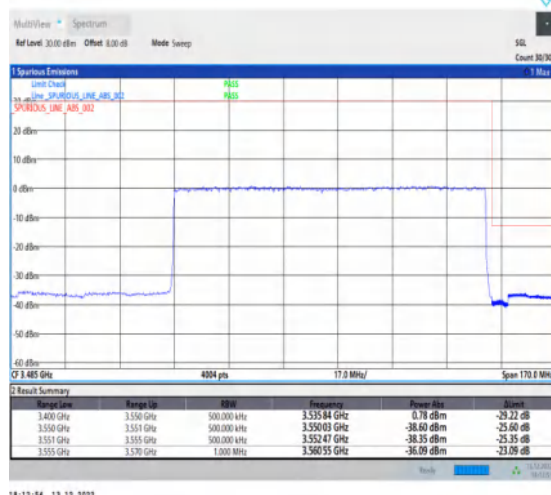
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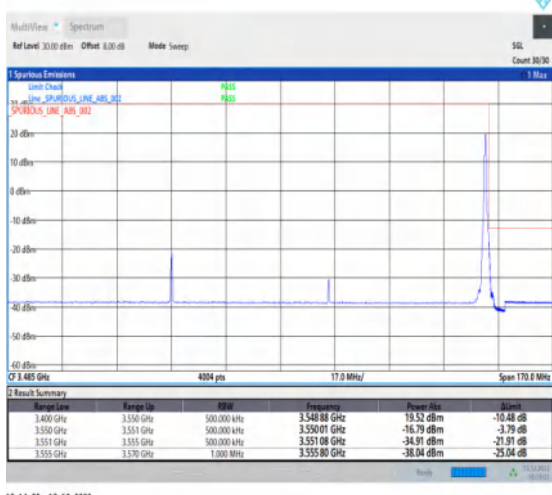
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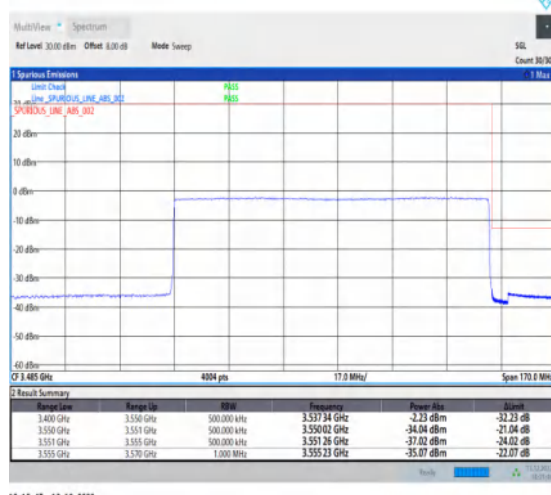
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1-N77-3450-3550-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph



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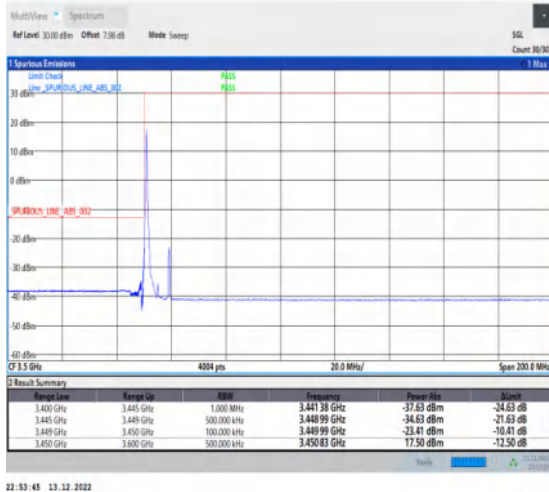
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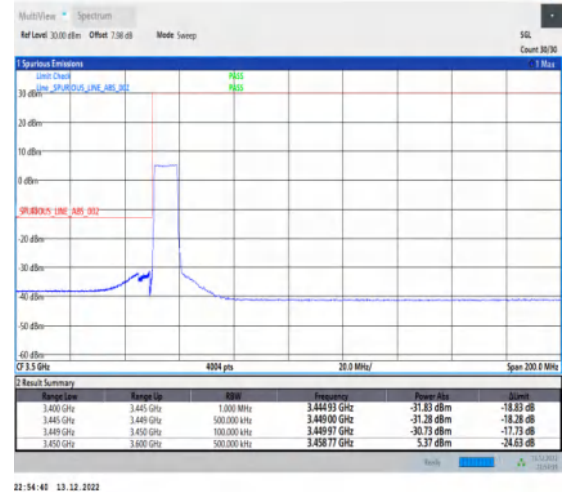
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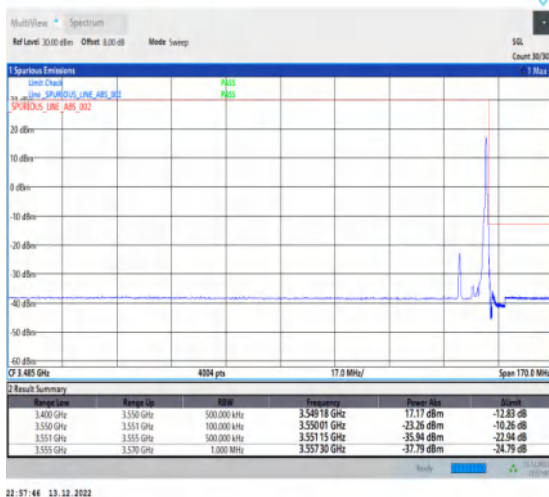
Test Graphs



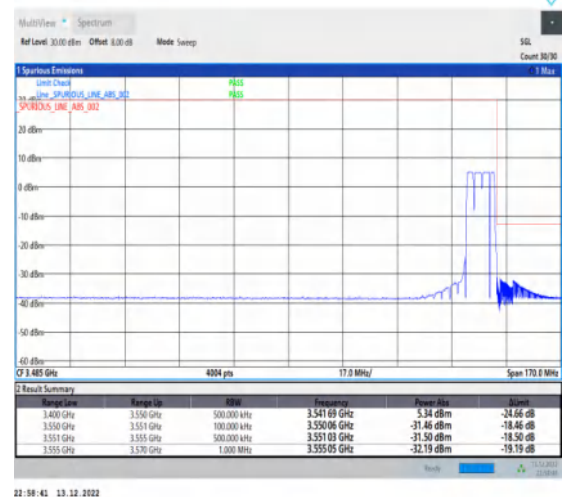
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1-N77-3450-3550-30-10-H-5-CP-QPSK-Edge_1RB_Ri ght-1@23-Ant1-1--PASS-see graph



1-N77-3450-3550-30-10-H-6-CP-QPSK-Outer_Full -24@0-Ant1-1--PASS-see graph



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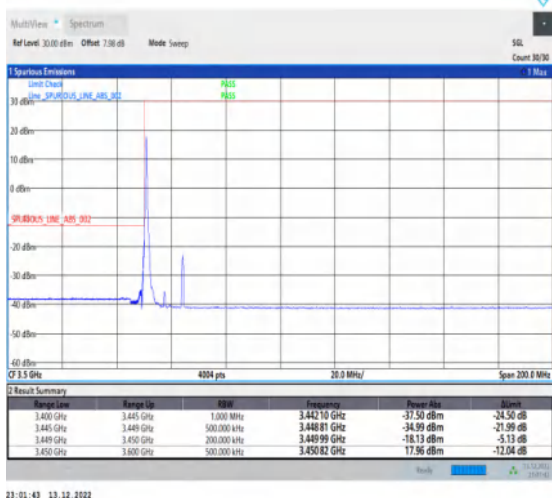
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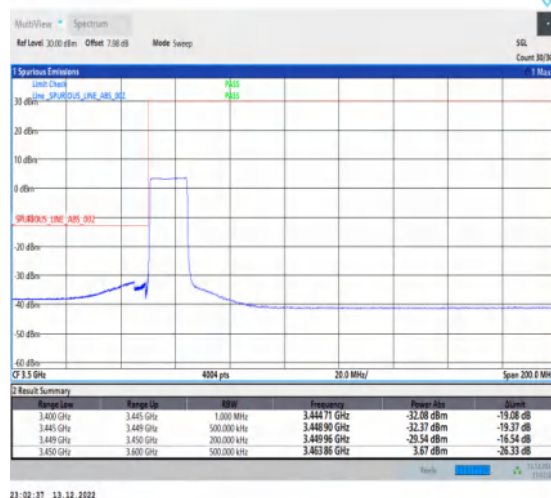
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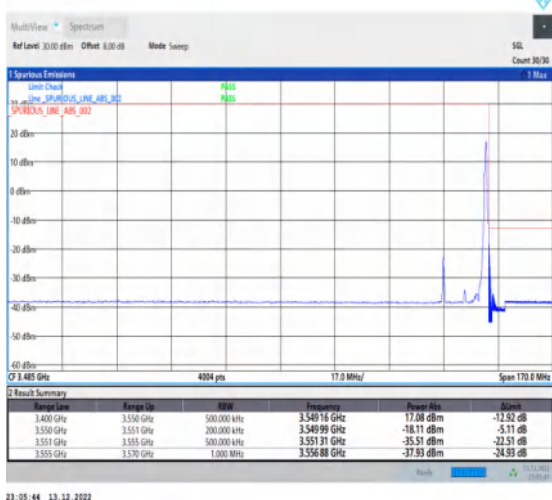
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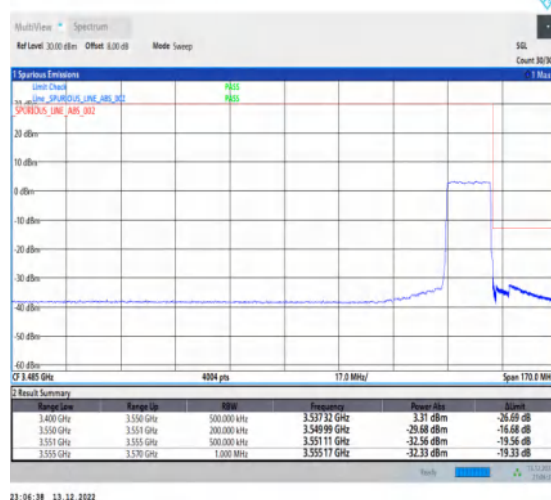
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1-N77-3450-3550-30-15-H-5-CP-QPSK-Edge_1RB_Ri ght-1@37-Ant1-1--PASS-see graph



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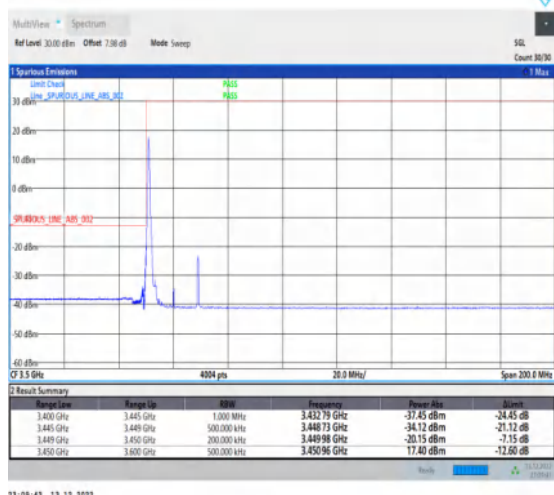
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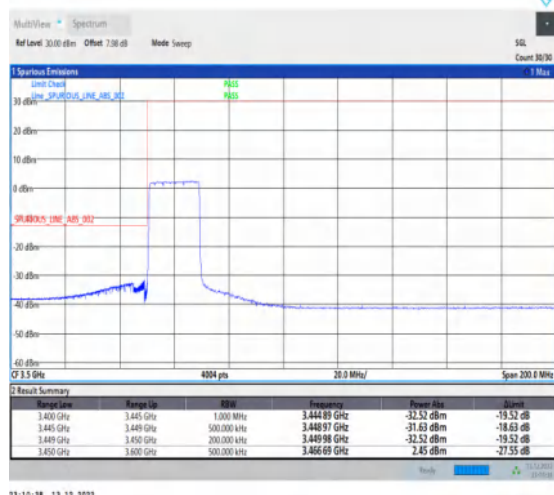
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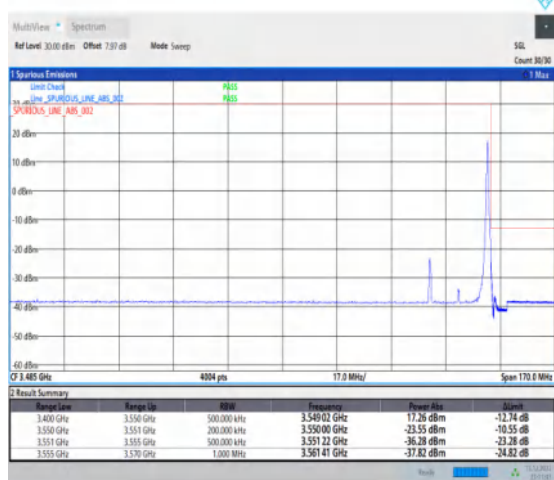
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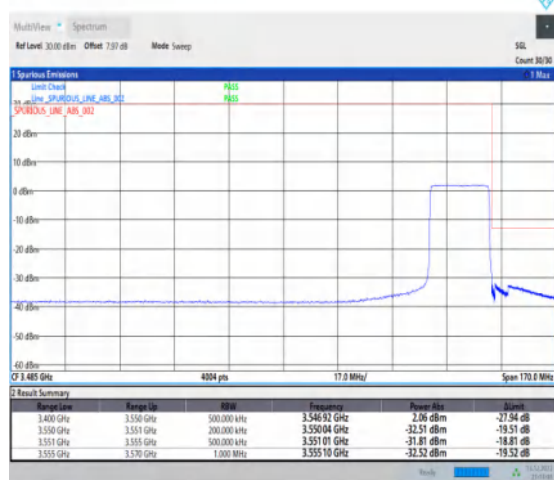
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23-14-00 13.12.2022

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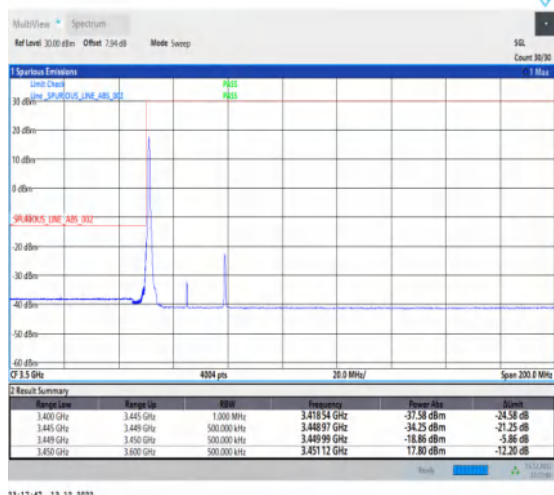
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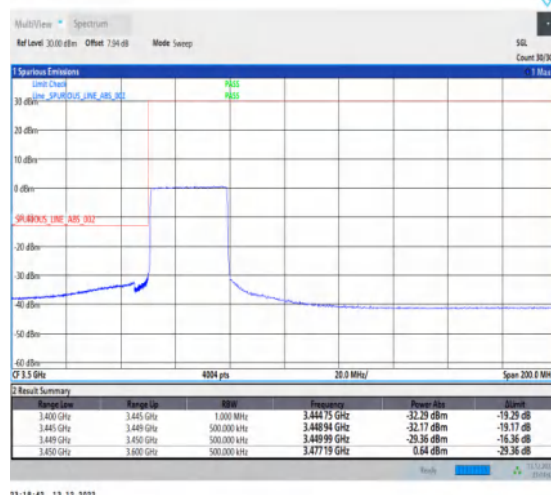
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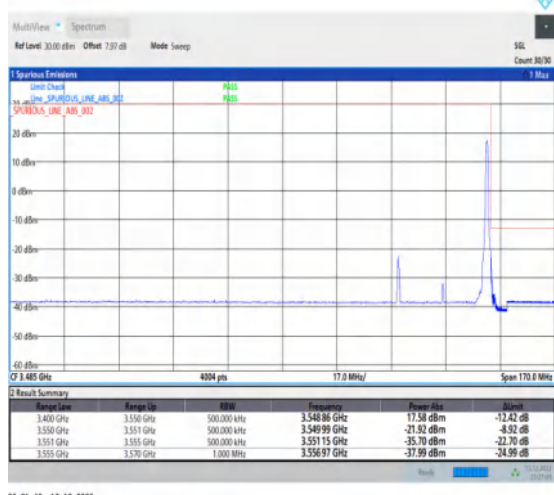
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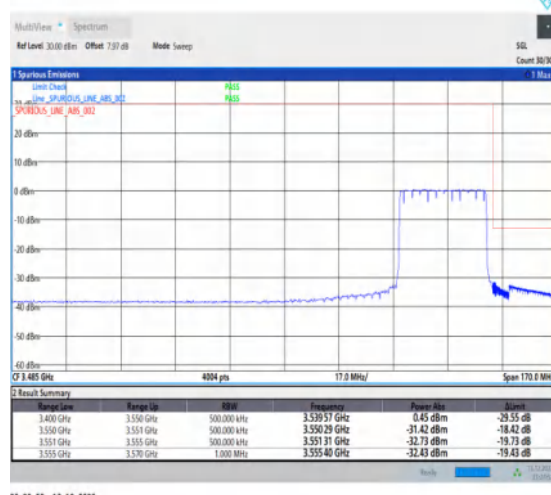
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23-20:53 13.12.2022

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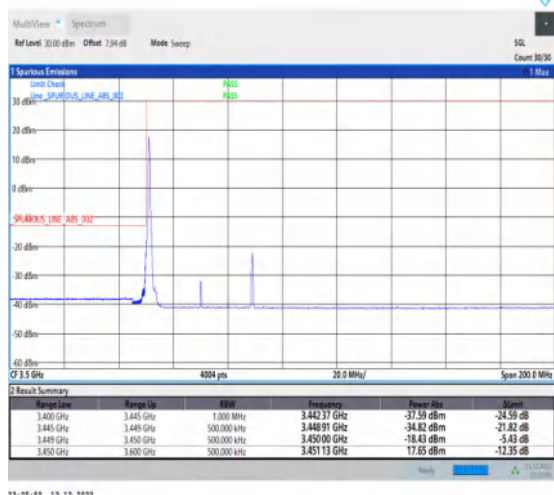
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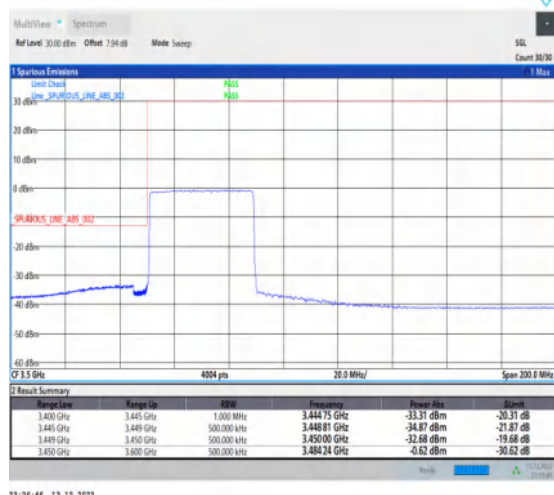
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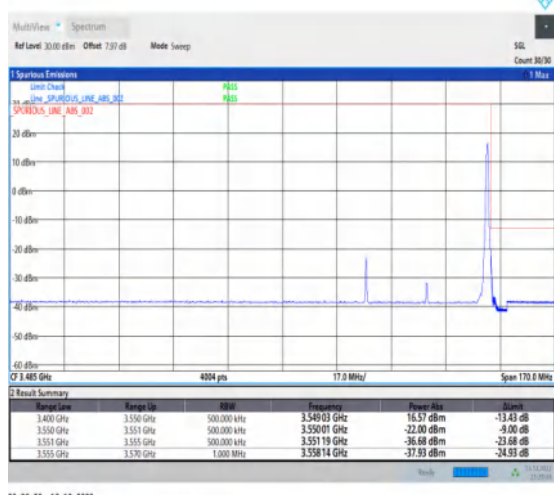
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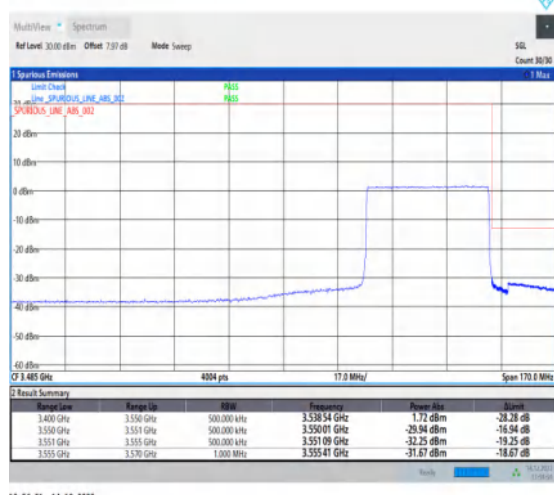
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13:56:51 14.12.2022

1-N77-3450-3550-30-40-H-6-CP-QPSK-Outer_Full -106@0-Ant1-1--PASS-see graph



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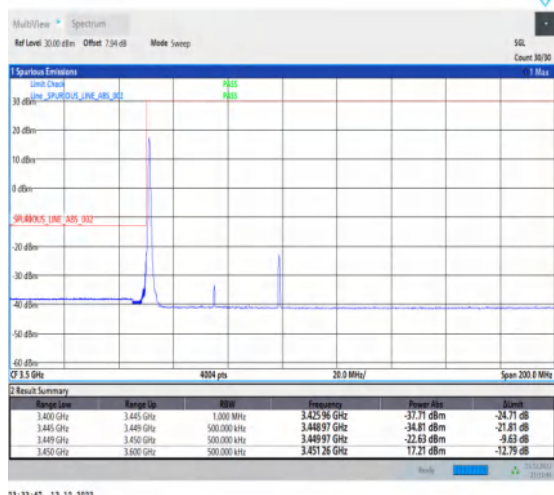
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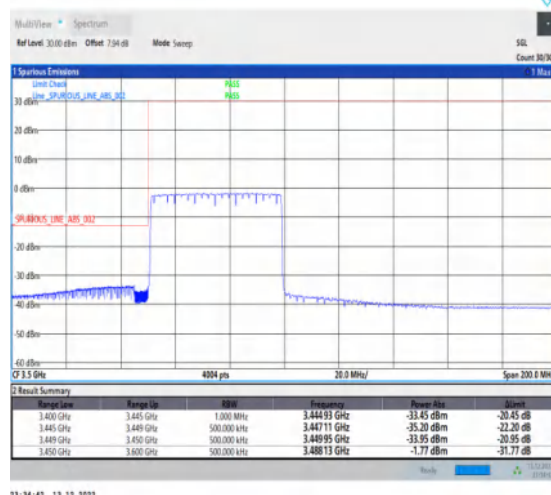
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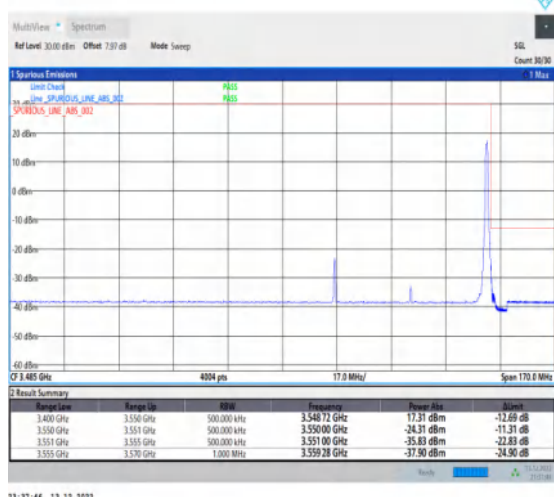
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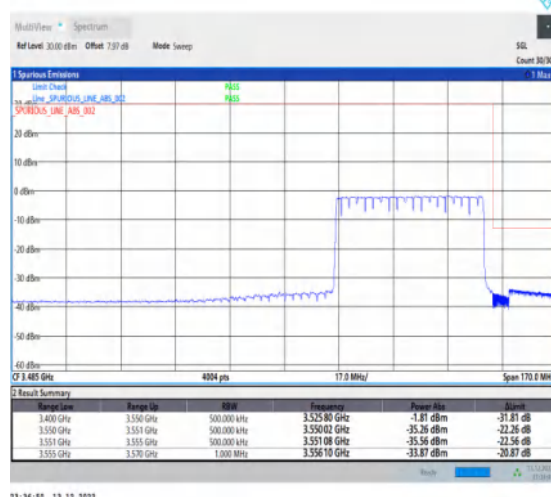
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1-N77-3450-3550-30-50-H-5-CP-QPSK-Edge_1RB_Ri ght-1@132-Ant1-1--PASS-see graph



1-N77-3450-3550-30-50-H-6-CP-QPSK-Outer_Full -133@0-Ant1-1--PASS-see graph



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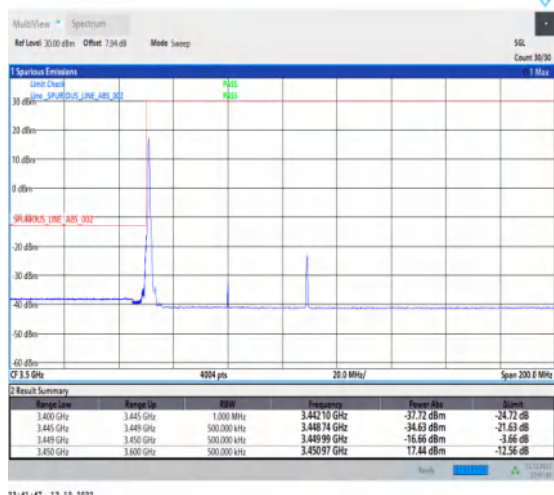
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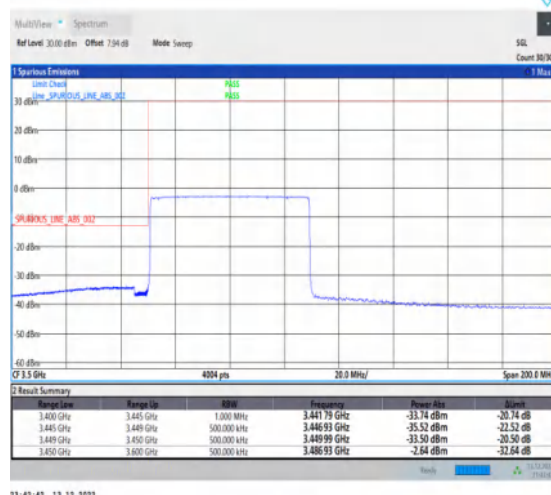
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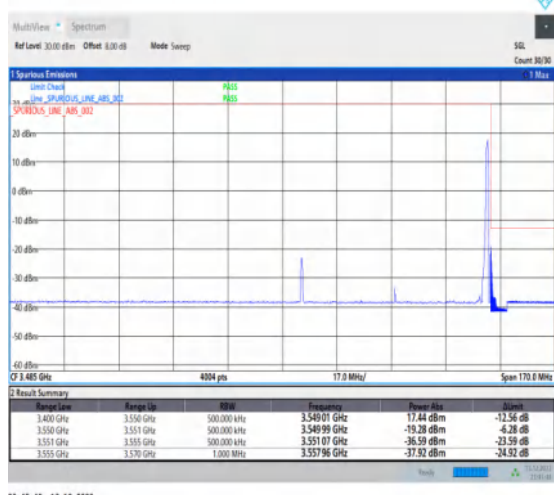
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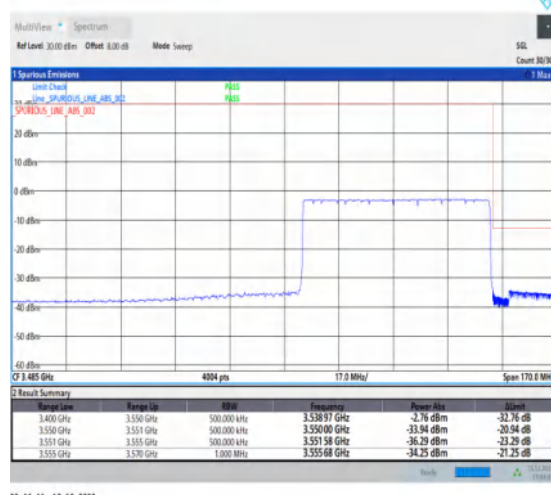
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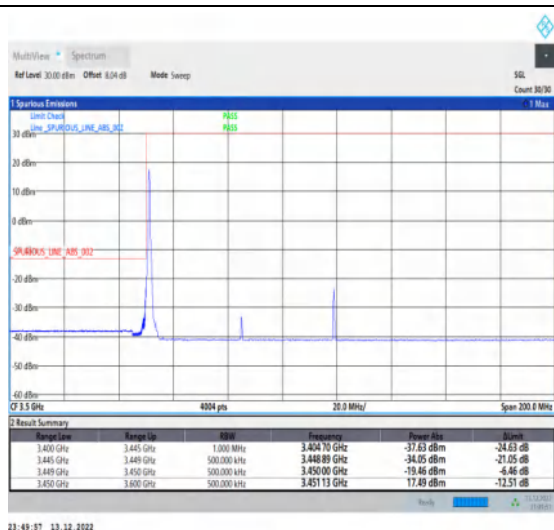
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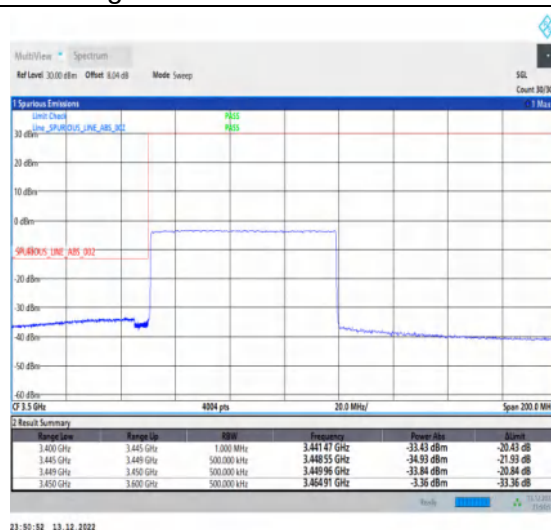
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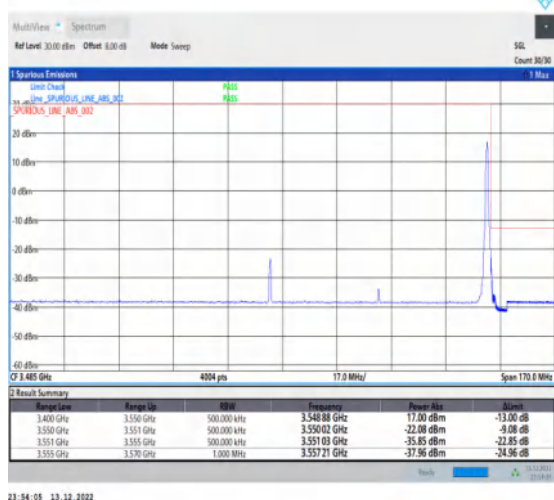
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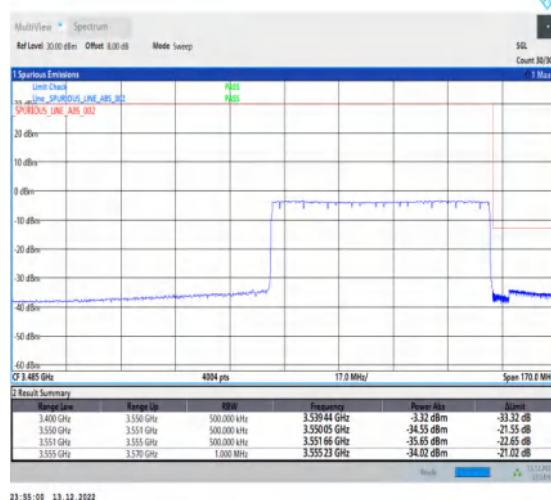
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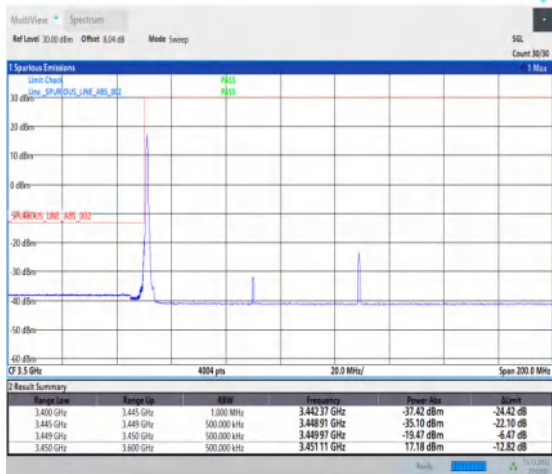
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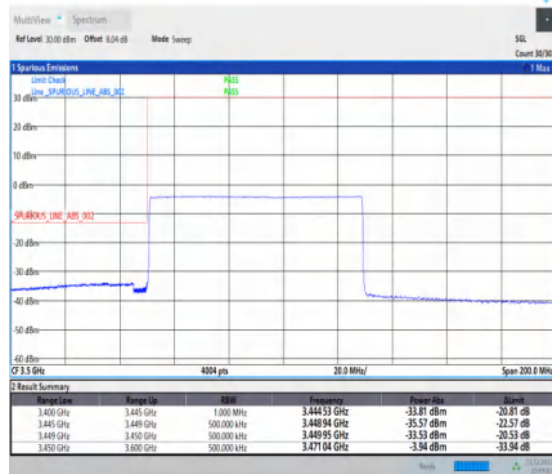
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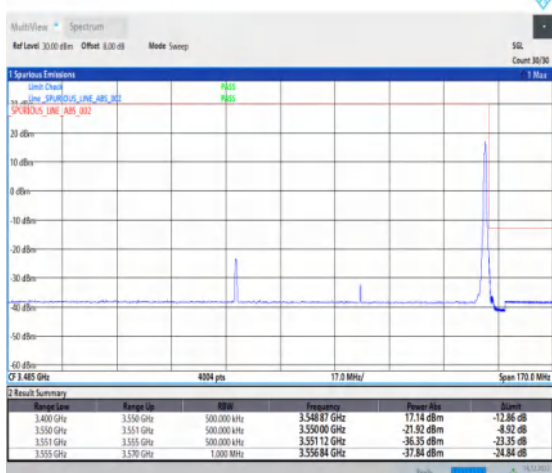
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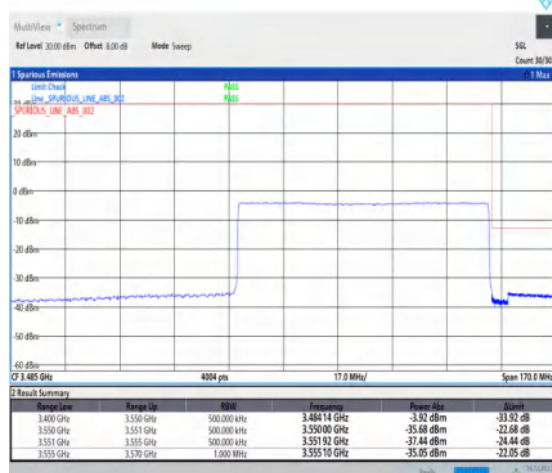
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01-02-13 14.12.2022

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01-03-08 14.12.2022

1-N77-3450-3550-30-80-H-6-CP-QPSK-Outer_Full -217@0-Ant1-1--PASS-see graph



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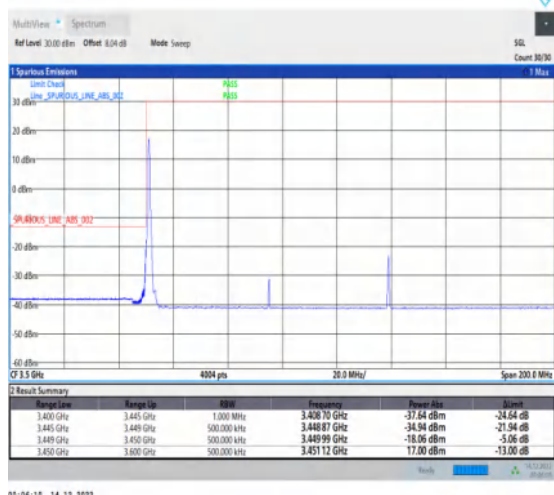
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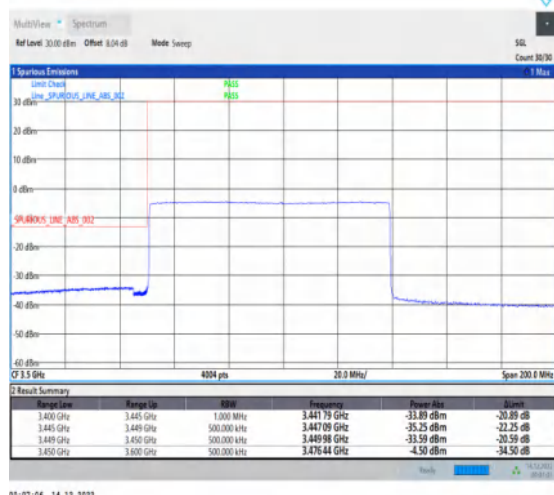
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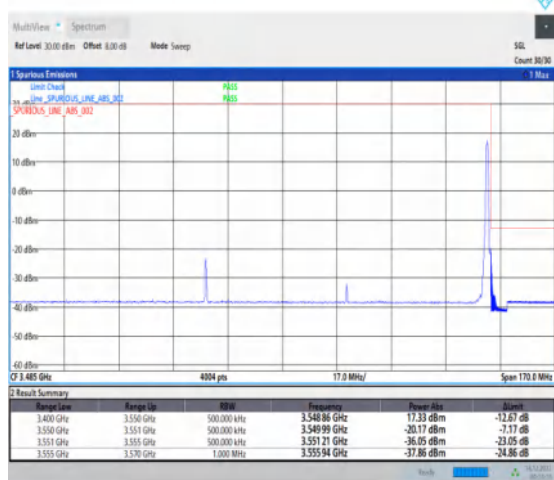
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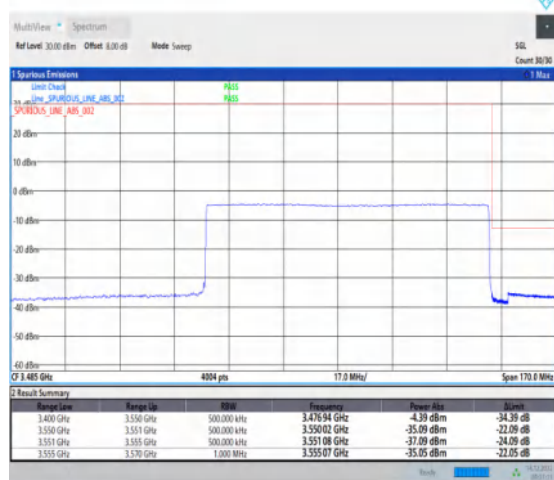
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01-10-18 14.12.2022

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01-11-14 14.12.2022

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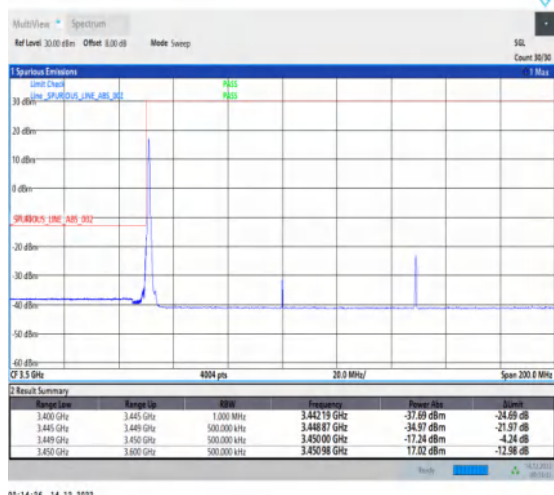
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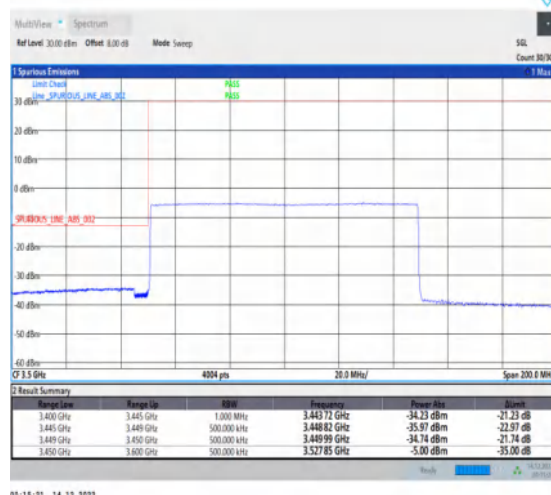
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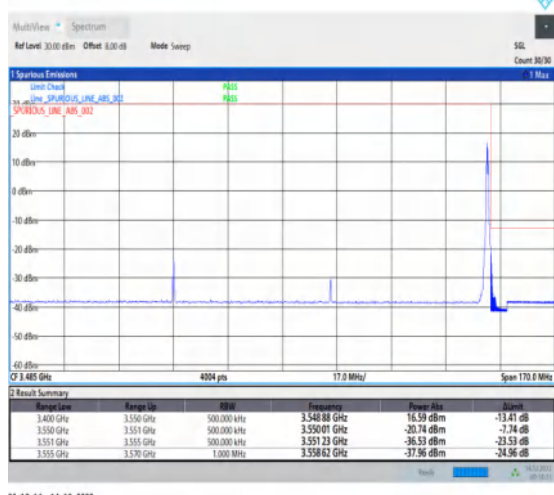
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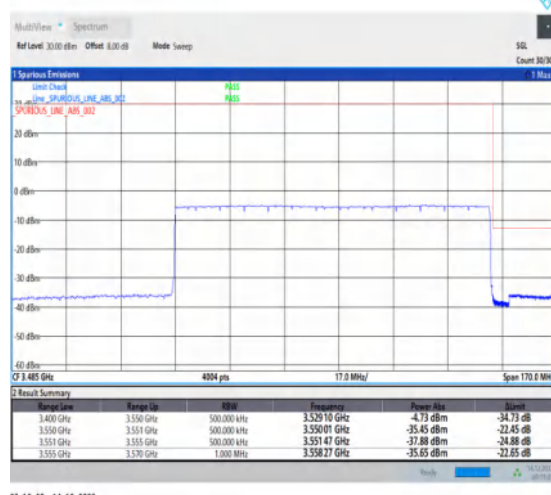
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ll-273@0-Ant1-1--PASS-see graph



1-N77-3450-3550-30-100-H-5-CP-QPSK-Edge_1RB_R
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1-N77-3450-3550-30-100-H-6-CP-QPSK-Outer_F
ull-273@0-Ant1-1--PASS-see graph



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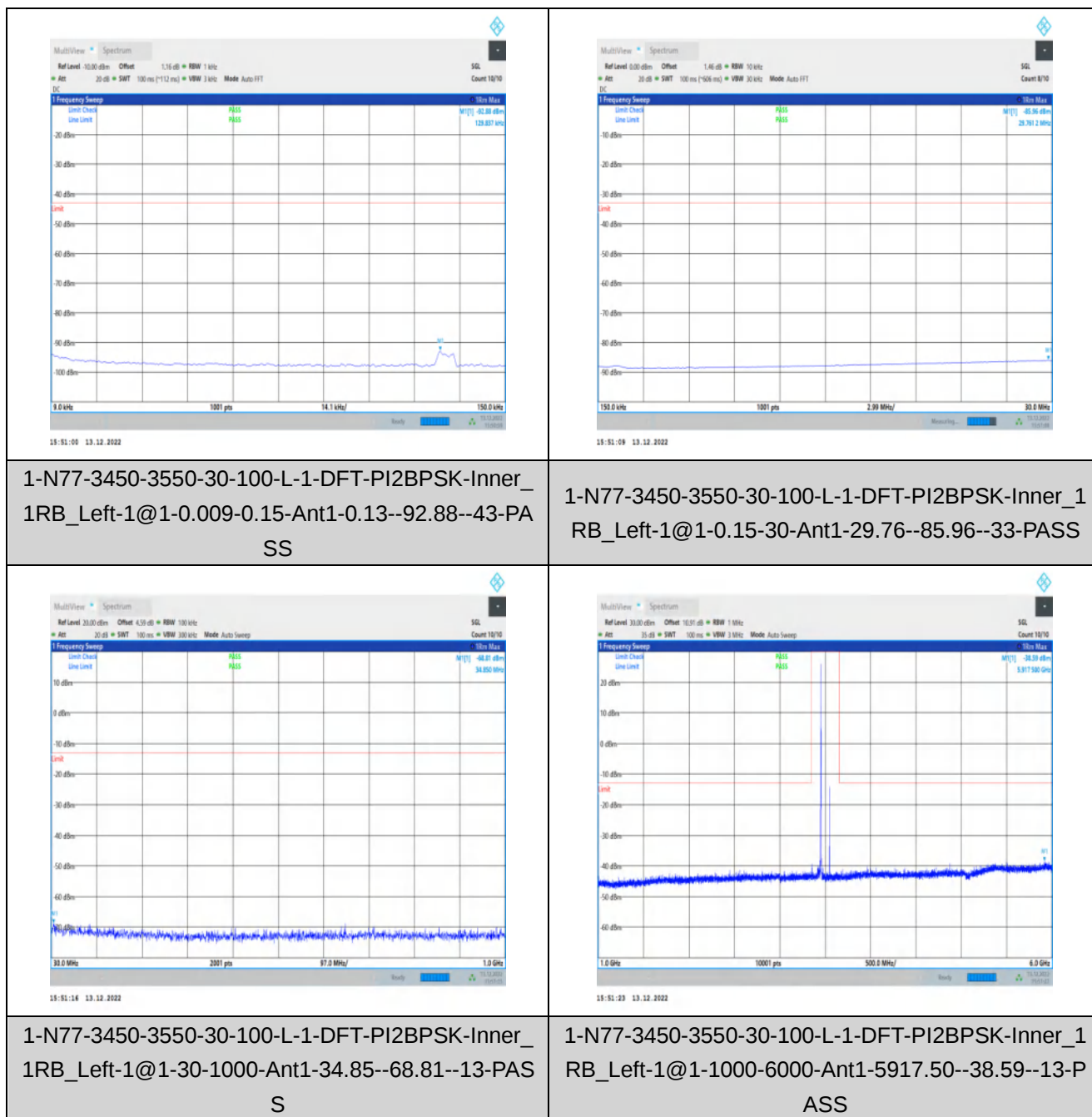
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Conducted Spurious Emission for SA

Test Graphs



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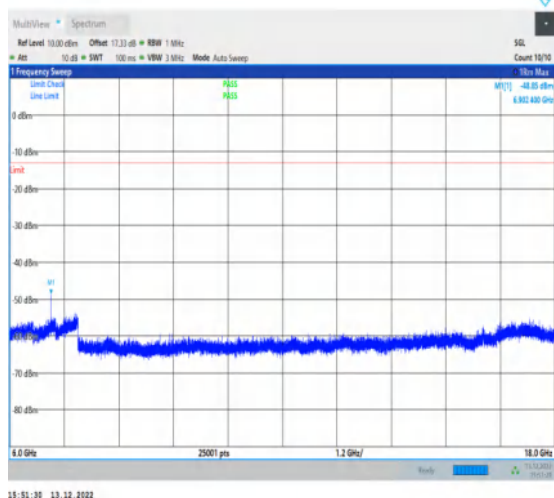
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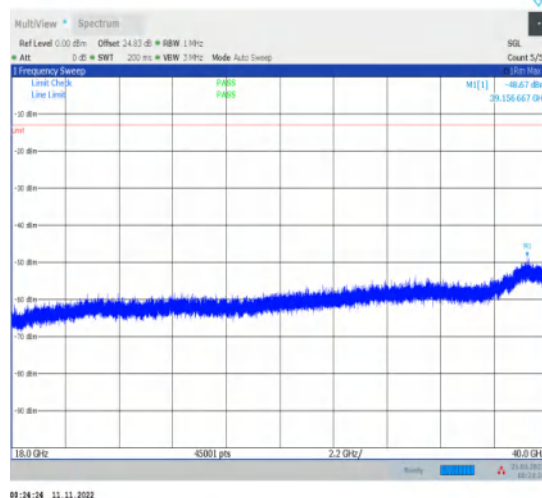
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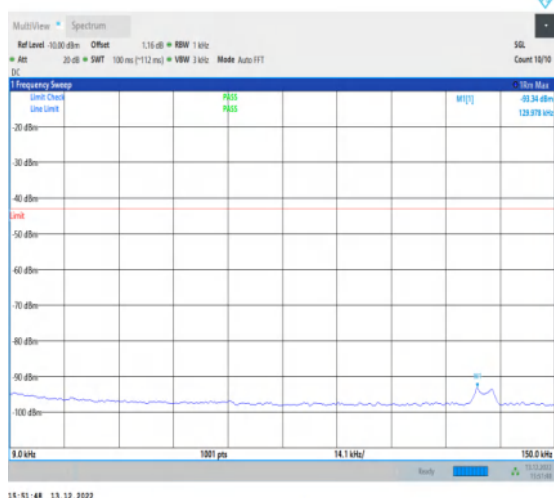
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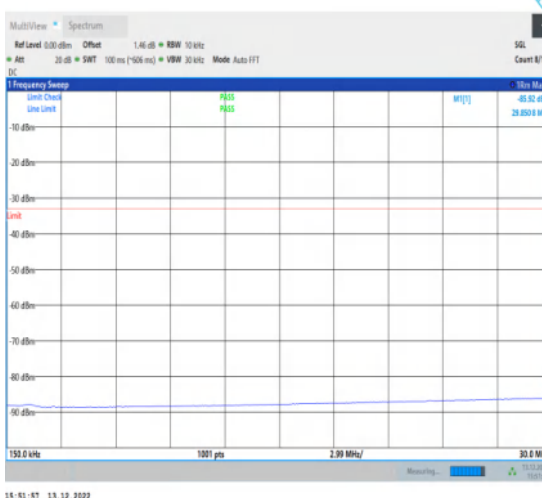
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1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.13--93.34--43-PASS



1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.85--85.92--33-PASS



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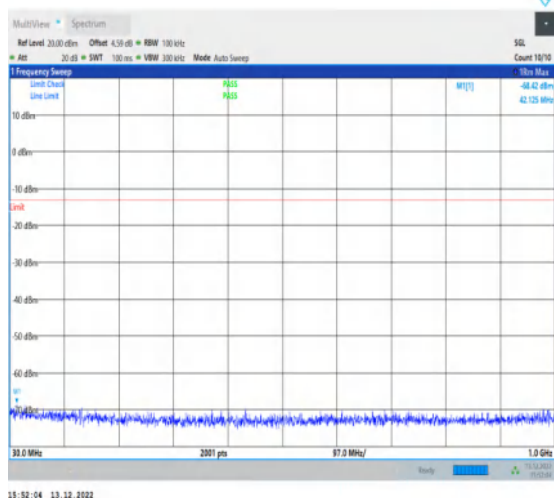
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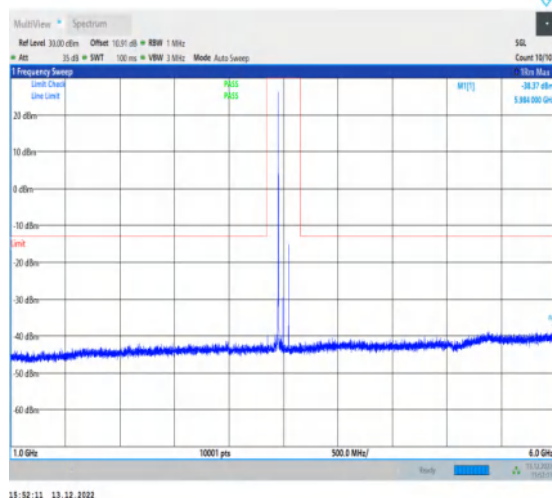
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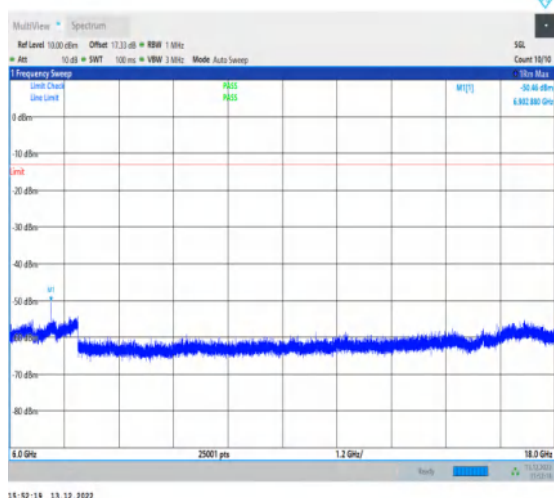
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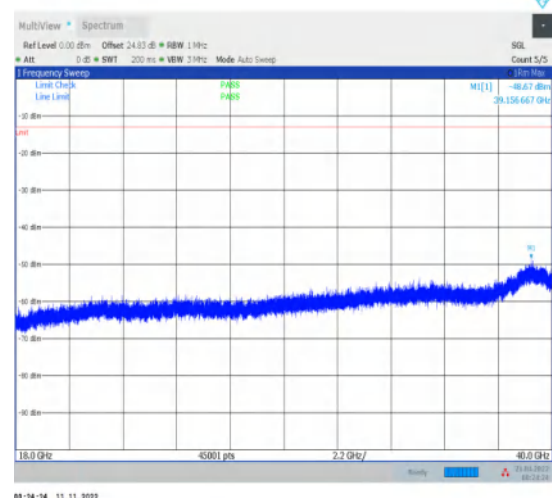
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S



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1-N77-3450-3550-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00--56.84--13-PASS



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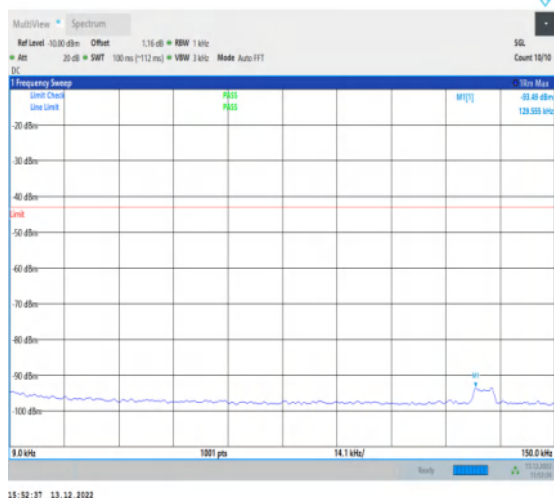
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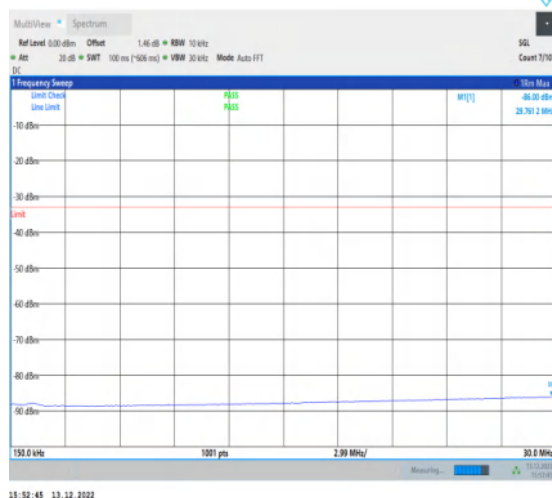
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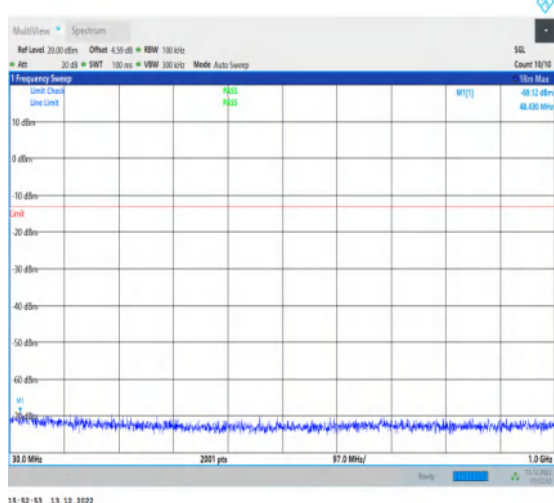
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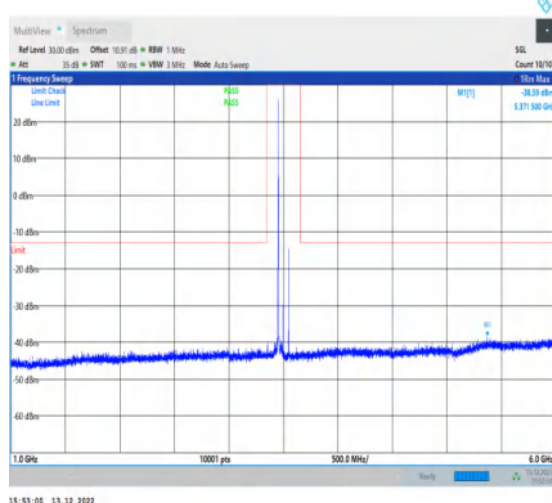
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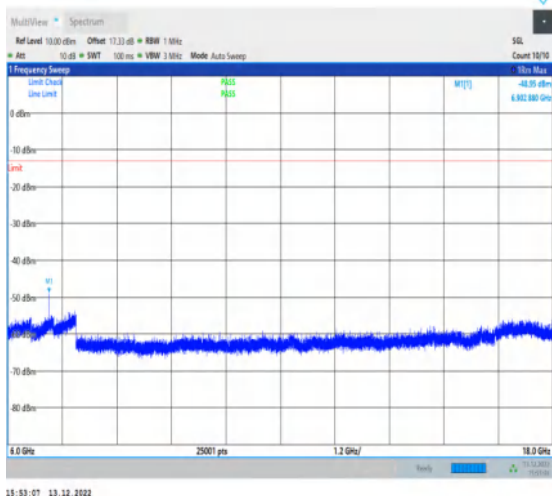
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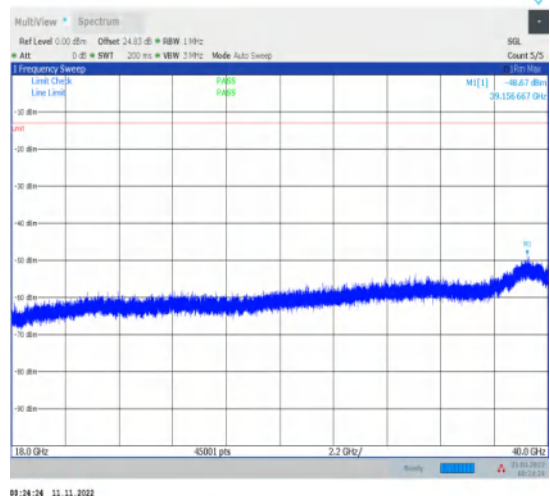
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3-PASS



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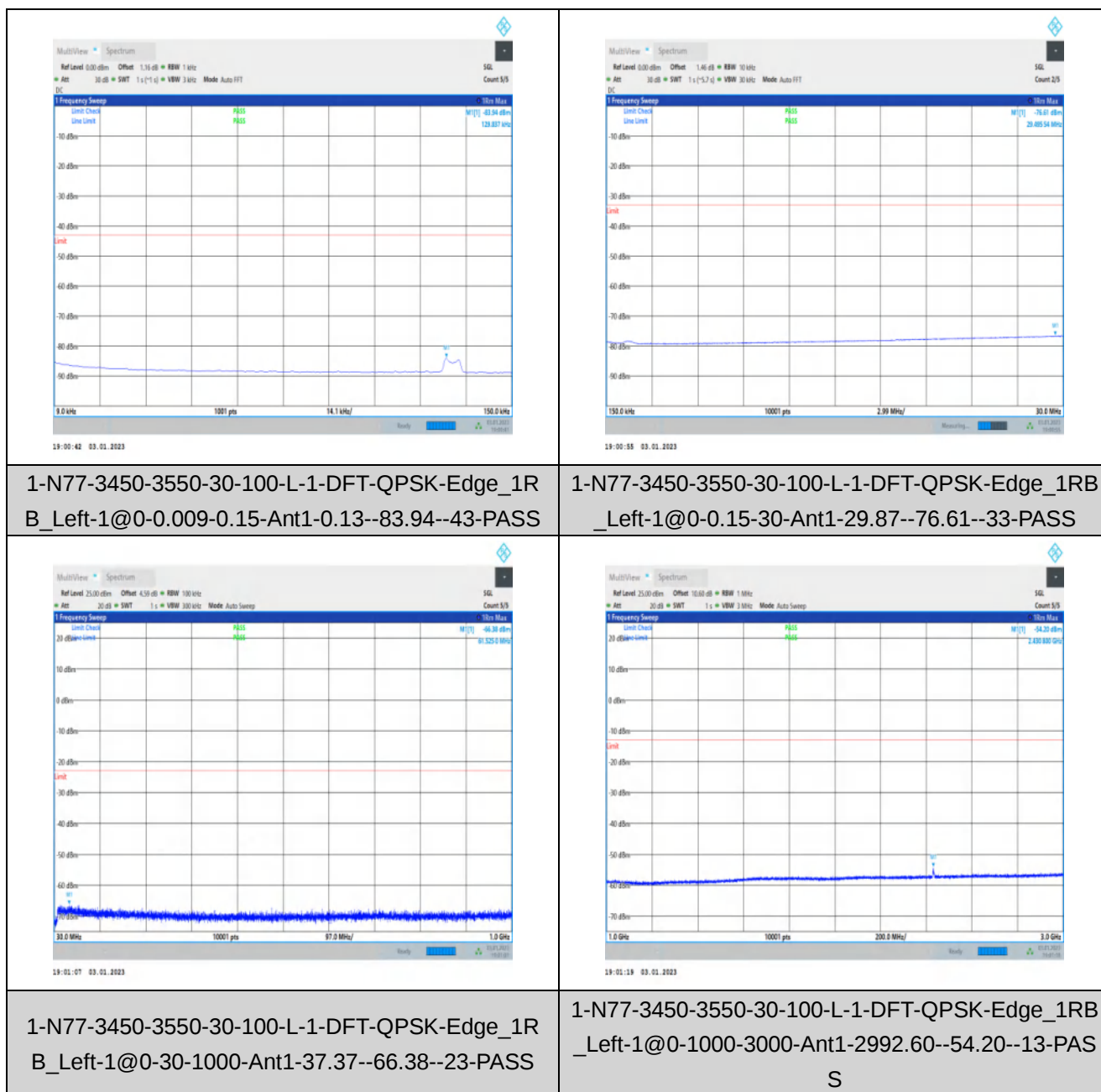
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Conducted Spurious Emission for MIMO

Test Graphs



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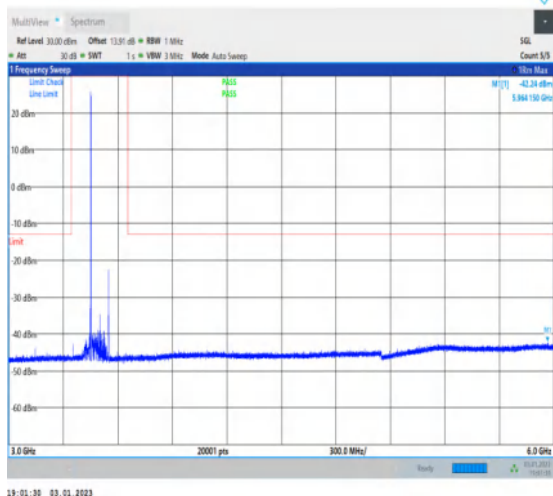
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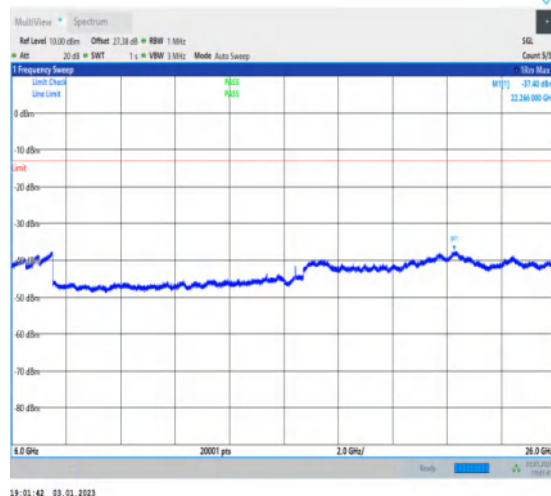
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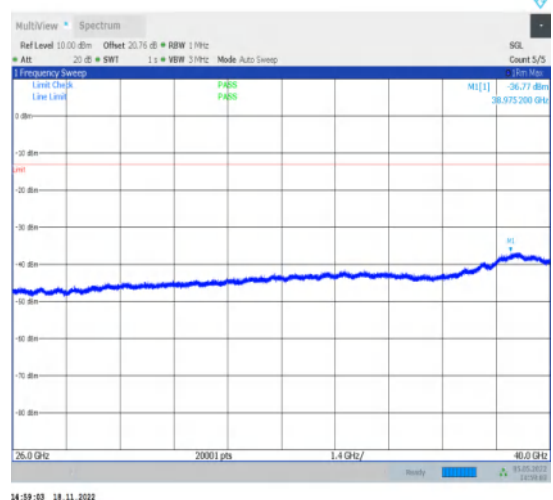
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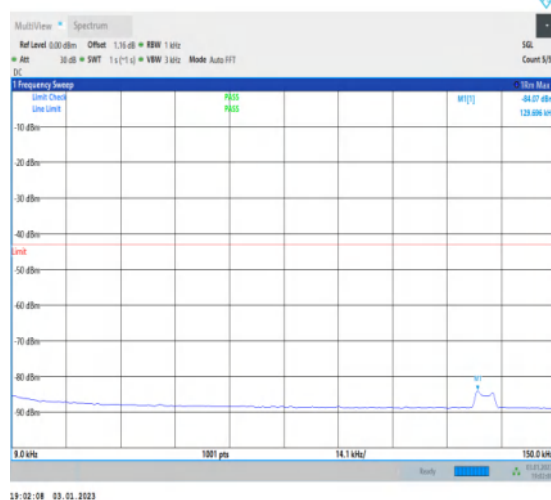
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SS



1-N77-3450-3550-30-100-L-1-DFT-QPSK-Edge_1RB
_Left-1@0-6000-26000-Ant1-22309.00--37.40--13-P
ASS



1-N77-3450-3550-30-100-L-1-DFT-QPSK-Edge_1R
B_Left-1@0-26000-40000-Ant1-26000.00--42.90--13
-PASS



1-N77-3450-3550-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-0.009-0.15-Ant1-0.13--84.07--43-PASS



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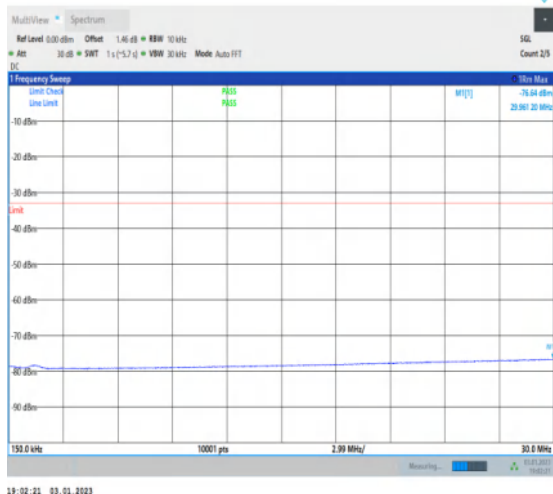
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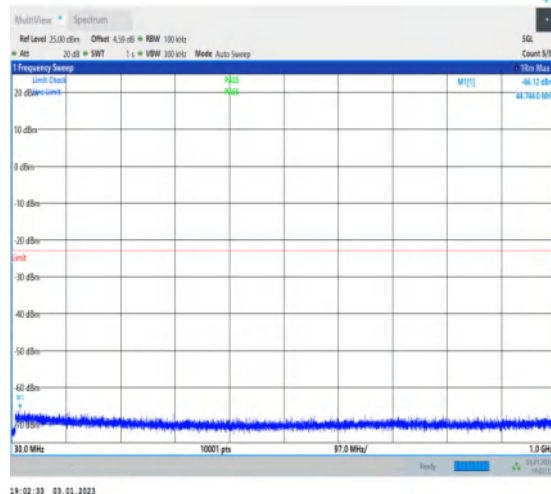
Report No.: SEWM2212000297RG02

Rev.: 01

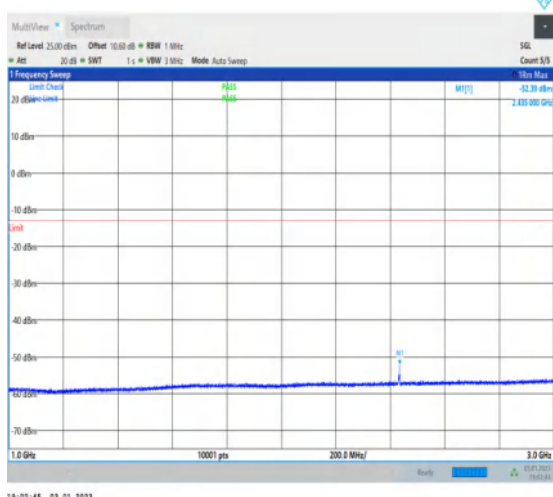
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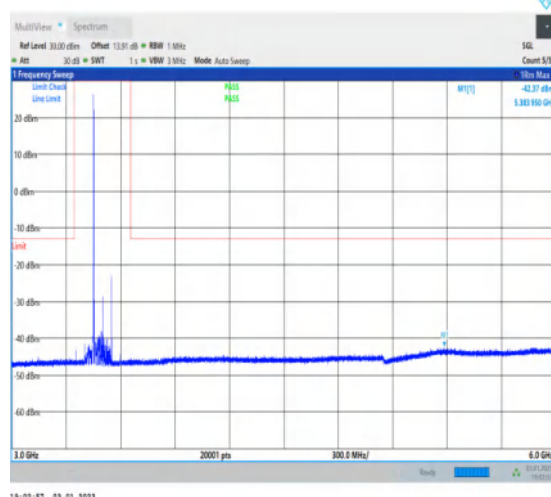
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B_Left-1@0-0.15-30-Ant1-29.98--76.64--33-PASS



1-N77-3450-3550-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-30-1000-Ant1-56.58--66.12--23-PASS



1-N77-3450-3550-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-1000-3000-Ant1-2925.40--52.39--13-PA
SS



1-N77-3450-3550-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-3000-6000-Ant1-5984.25--42.37--13-PA
SS



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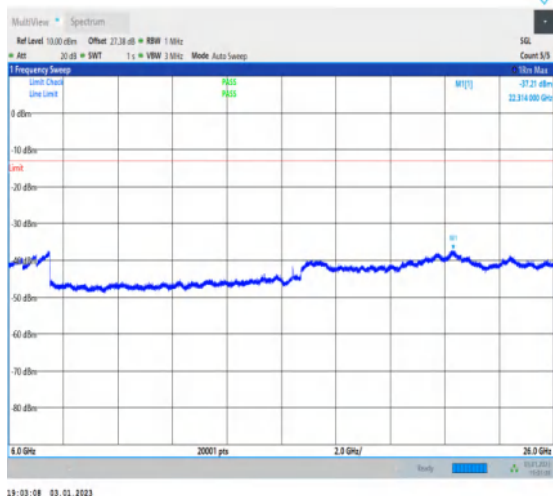
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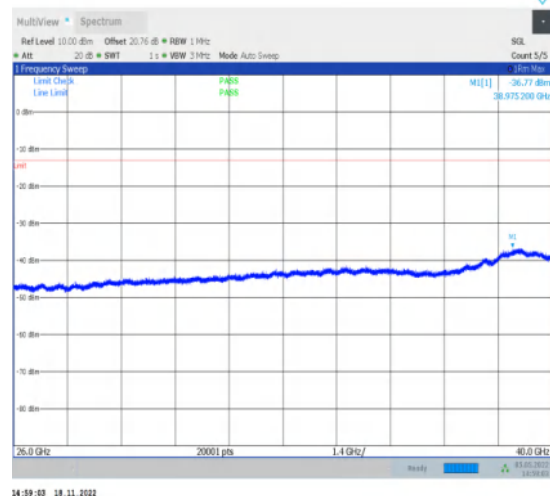
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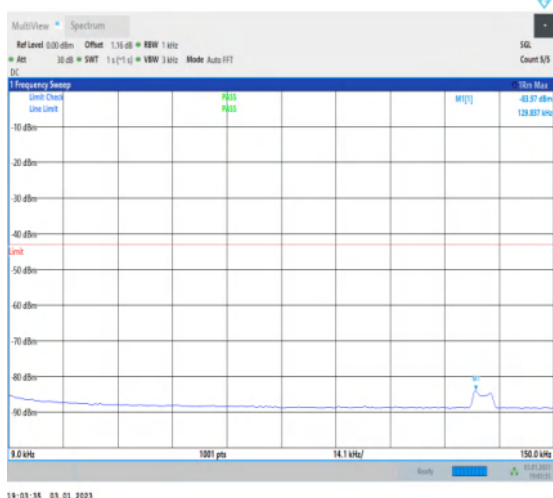
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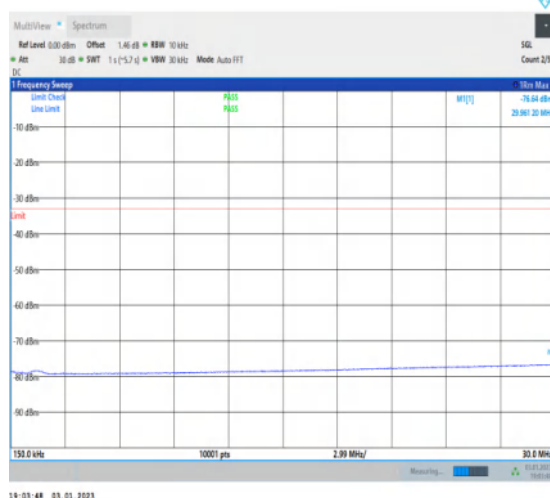
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PASS



1-N77-3450-3550-30-100-M-1-DFT-QPSK-Edge_1R
B_Left-1@0-26000-40000-Ant1-26000.00--42.55--13
-PASS



1-N77-3450-3550-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-0.009-0.15-Ant1-0.13--83.97--43-PASS



1-N77-3450-3550-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-0.15-30-Ant1-29.71--76.64--33-PASS



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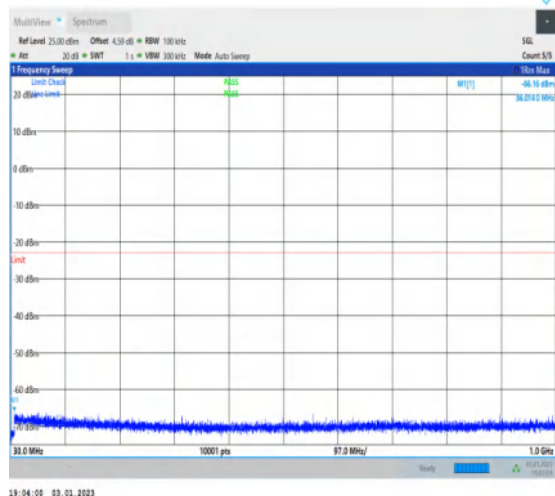
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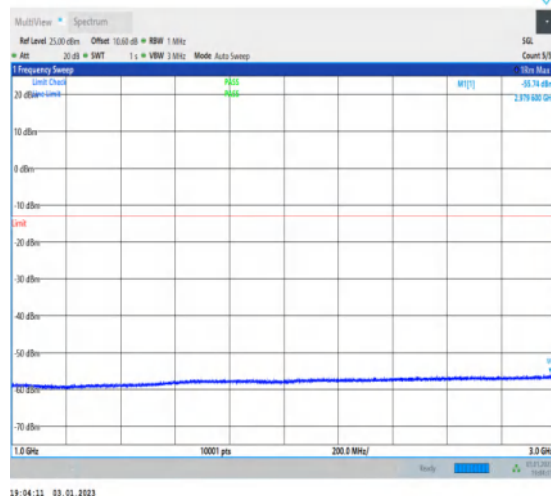
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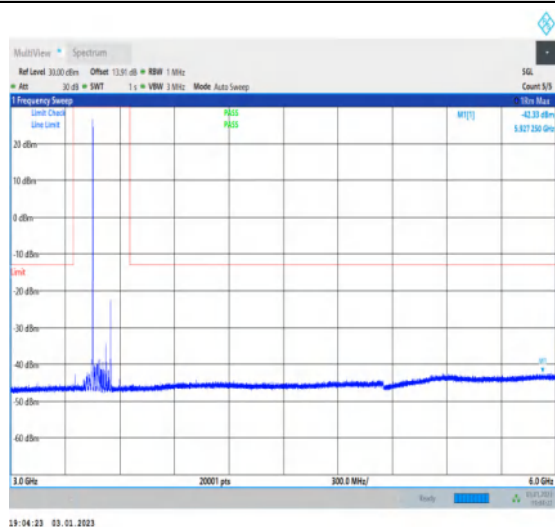
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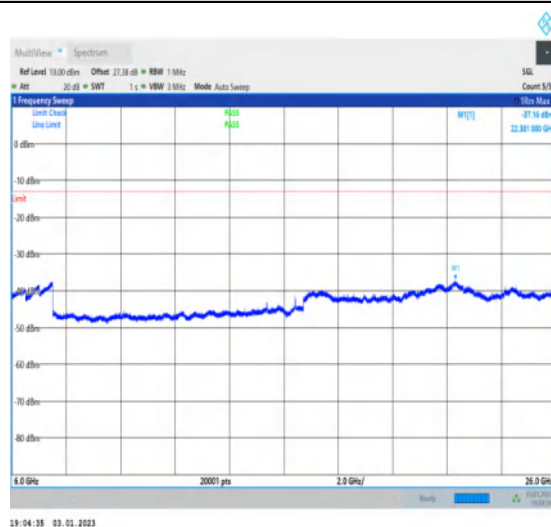
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B_Left-1@0-30-1000-Ant1-57.94--66.16--23-PASS



1-N77-3450-3550-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-1000-3000-Ant1-2977.60--55.74--13-PA
SS



1-N77-3450-3550-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-3000-6000-Ant1-5886.45--42.33--13-PA
SS



1-N77-3450-3550-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-6000-26000-Ant1-7449.00--37.16--13-P
ASS



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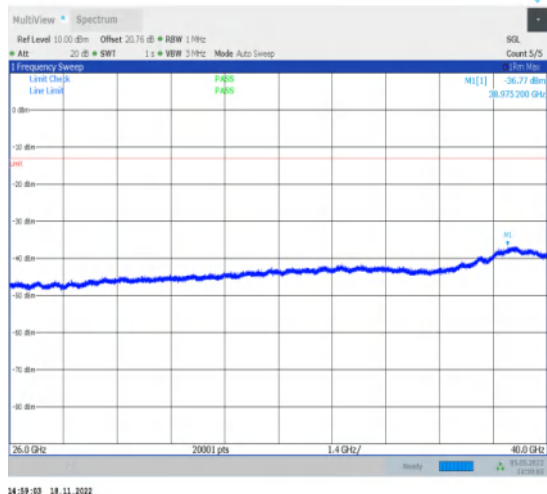
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1-N77-3450-3550-30-100-H-1-DFT-QPSK-Edge_1R
B_Left-1@0-26000-40000-Ant1-26000.00--42.99--13
-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band 77 3450M-3550M ANT1_ 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	8417.1458	37.39	-39.69	37.96	-59.60	-13.00	46.60	296	200	Horizontal
2	11234.6458	33.40	-35.12	39.37	-57.61	-13.00	44.61	265	271	Horizontal
3	6982.18	39.23	-42.38	36.17	-62.24	-13.00	49.24	284	69	Horizontal
4	10473.27	33.63	-36.47	39.02	-59.08	-13.00	46.08	142	254	Horizontal
5	13964.36	32.32	-34.95	40.18	-57.71	-13.00	44.71	255	0	Horizontal
6	17455.45	30.32	-31.84	40.42	-56.35	-13.00	43.35	263	50	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	8611.2083	38.15	-39.60	38.17	-58.53	-13.00	45.53	196	89	Vertical
2	12965.3958	34.44	-34.90	39.57	-56.16	-13.00	43.16	265	0	Vertical
3	6982.18	39.51	-42.38	36.17	-61.96	-13.00	48.96	284	125	Vertical
4	10473.27	33.23	-36.47	39.02	-59.48	-13.00	46.48	142	34	Vertical
5	13964.36	32.14	-34.95	40.18	-57.89	-13.00	44.89	255	108	Vertical
6	17455.45	30.71	-31.84	40.42	-55.96	-13.00	42.96	263	125	Vertical



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Test Band = SA Band 77 3450M-3550M ANT3_ 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	12732.0417	34.21	-35.25	39.33	-56.97	-13.00	43.97	157	33	Horizontal
2	16422.1042	33.11	-32.36	38.20	-56.31	-13.00	43.31	216	195	Horizontal
3	6982.18	38.96	-42.38	36.17	-62.51	-13.00	49.51	325	158	Horizontal
4	10473.27	33.48	-36.47	39.02	-59.23	-13.00	46.23	299	357	Horizontal
5	13964.36	32.29	-34.95	40.18	-57.74	-13.00	44.74	235	105	Horizontal
6	17455.45	31.08	-31.84	40.42	-55.59	-13.00	42.59	164	234	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	8414.2708	37.62	-39.69	37.96	-59.37	-13.00	46.37	236	51	Vertical
2	12463.7083	33.99	-35.28	39.06	-57.49	-13.00	44.49	185	344	Vertical
3	6982.18	39.18	-42.38	36.17	-62.29	-13.00	49.29	341	162	Vertical
4	10473.27	33.63	-36.47	39.02	-59.08	-13.00	46.08	306	253	Vertical
5	13964.36	31.99	-34.95	40.18	-58.04	-13.00	45.04	219	68	Vertical
6	17455.45	30.47	-31.84	40.42	-56.20	-13.00	43.20	152	253	Vertical



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Test Band = UL MIMO Band 77 3450M-3550M ANT1_ 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	8109.5208	38.90	-40.26	37.62	-59.00	-13.00	46.00	296	197	Horizontal
2	12459.3958	33.74	-35.28	39.06	-57.74	-13.00	44.74	265	216	Horizontal
3	6982.18	40.84	-42.38	36.17	-60.63	-13.00	47.63	241	325	Horizontal
4	10473.27	34.45	-36.47	39.02	-58.26	-13.00	45.26	142	108	Horizontal
5	13964.36	32.29	-34.95	40.18	-57.74	-13.00	44.74	255	352	Horizontal
6	17455.45	31.34	-31.84	40.42	-55.33	-13.00	42.33	263	252	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	8103.2917	38.90	-40.27	37.61	-59.01	-13.00	46.01	196	296	Vertical
2	11988.375	33.60	-35.31	38.61	-58.36	-13.00	45.36	233	277	Vertical
3	6982.18	39.81	-42.38	36.17	-61.66	-13.00	48.66	265	346	Vertical
4	10473.27	33.66	-36.47	39.02	-59.05	-13.00	46.05	241	360	Vertical
5	13964.36	32.93	-34.95	40.18	-57.10	-13.00	44.10	142	360	Vertical
6	17455.45	31.58	-31.84	40.42	-55.09	-13.00	42.09	255	108	Vertical



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Test Band = UL MIMO Band 77 3450M-3550M ANT3_ 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	8523.0417	37.89	-39.66	38.08	-58.96	-13.00	45.96	296	235	Horizontal
2	12385.125	33.86	-35.23	38.99	-57.65	-13.00	44.65	265	178	Horizontal
3	6982.18	39.66	-42.38	36.17	-61.81	-13.00	48.81	241	125	Horizontal
4	10473.27	34.24	-36.47	39.02	-58.47	-13.00	45.47	178	3	Horizontal
5	13964.36	31.95	-34.95	40.18	-58.08	-13.00	45.08	365	125	Horizontal
6	17455.45	30.91	-31.84	40.42	-55.76	-13.00	42.76	285	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	8908.7708	37.87	-38.92	38.50	-57.81	-13.00	44.81	174	360	Vertical
2	12220.7708	33.55	-35.14	38.82	-58.03	-13.00	45.03	142	125	Vertical
3	6982.18	39.82	-42.38	36.17	-61.65	-13.00	48.65	296	18	Vertical
4	10473.27	33.66	-36.47	39.02	-59.05	-13.00	46.05	263	360	Vertical
5	13964.36	32.03	-34.95	40.18	-58.00	-13.00	45.00	201	144	Vertical
6	17455.45	30.92	-31.84	40.42	-55.75	-13.00	42.75	187	200	Vertical



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Test Band = ENDC B5A_n77A 3450M-3550M_ 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	7860.3542	38.96	-40.77	37.22	-59.85	-13.00	46.85	296	268	Horizontal
2	12121.1042	33.24	-35.11	38.72	-58.41	-13.00	45.41	265	18	Horizontal
3	6982.18	39.95	-42.38	36.17	-61.52	-13.00	48.52	241	342	Horizontal
4	10473.27	33.05	-36.47	39.02	-59.66	-13.00	46.66	175	145	Horizontal
5	13964.36	33.20	-34.95	40.18	-56.83	-13.00	43.83	285	353	Horizontal
6	17455.45	30.53	-31.84	40.42	-56.14	-13.00	43.14	263	252	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	8400.8542	37.93	-39.69	37.94	-59.08	-13.00	46.08	185	111	Vertical
2	12093.7917	33.72	-35.11	38.69	-57.95	-13.00	44.95	296	56	Vertical
3	6982.18	39.92	-42.38	36.17	-61.55	-13.00	48.55	265	272	Vertical
4	10473.27	33.01	-36.47	39.02	-59.70	-13.00	46.70	241	37	Vertical
5	13964.36	31.77	-34.95	40.18	-58.26	-13.00	45.26	255	18	Vertical
6	17455.45	30.89	-31.84	40.42	-55.78	-13.00	42.78	287	291	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.800000	-0.000514	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	4.300000	0.001229	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	0.600000	0.000171	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	1.700000	0.000486	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	6.300000	0.001800	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	2.300000	0.000657	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-40	9.700000	0.002771	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	9.300000	0.002657	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	1.600000	0.000457	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-0.800000	-0.000229	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	1.400000	0.000400	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	3.300000	0.000943	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	8.200000	0.002343	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	2.200000	0.000629	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	9.700000	0.002771	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	7.900000	0.002257	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	60	8.700000	0.002486	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	75	8.100000	0.002314	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-40	17.000000	0.004857	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	-3.100000	-0.000886	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	0.500000	0.000143	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	-0.500000	-0.000143	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	-2.500000	-0.000714	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	-1.800000	-0.000514	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	3.800000	0.001086	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	1.000000	0.000286	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	40	-0.200000	-0.000057	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	-4.900000	-0.001400	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	60	10.500000	0.003000	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	75	9.800000	0.002800	PASS

---End of Attachment---



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