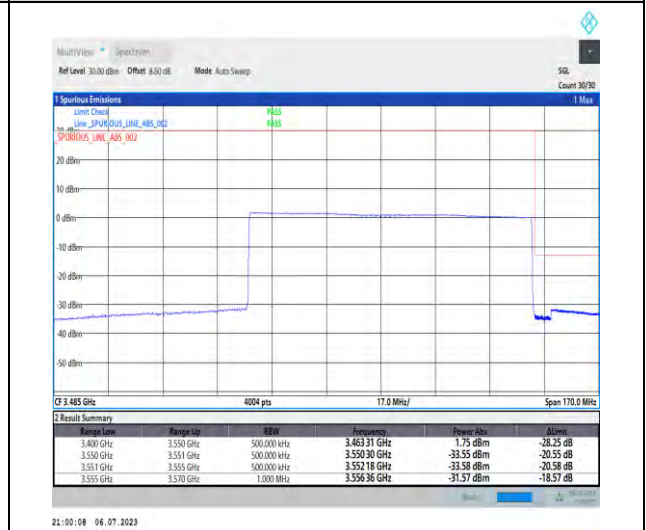
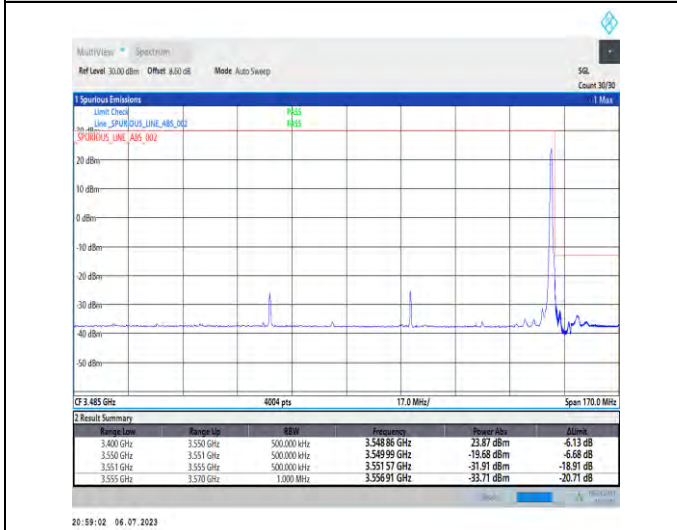


1-N77-3450-3550-PC1.5-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant3-1--PASS-see graph



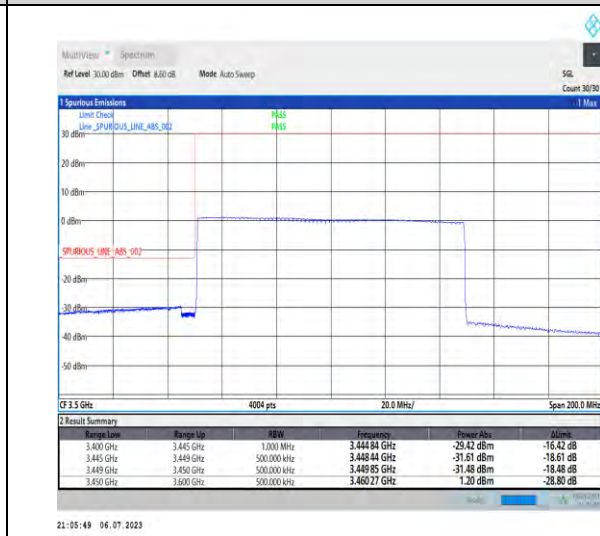
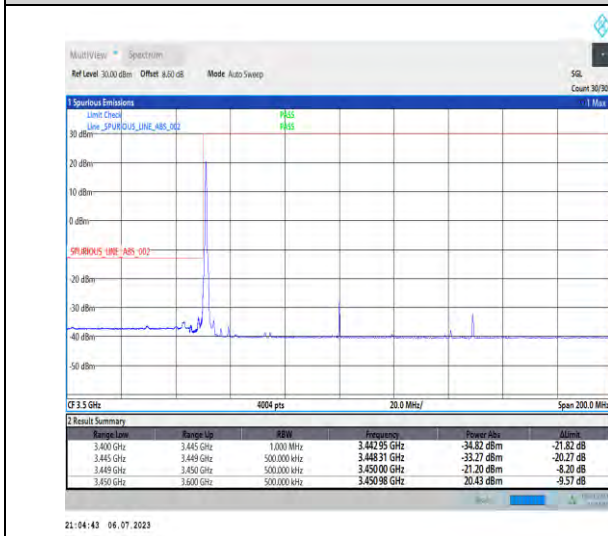
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1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK-E dge_1RB_Left-1@0-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-100-L-3-DFT-PI2BPSK -Outer_Full-270@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-100-L-4-CP-QPSK-Edge _1RB_Left-1@0-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-100-L-6-CP-QPSK-Out er_Full-273@0-Ant3-1--PASS-see graph



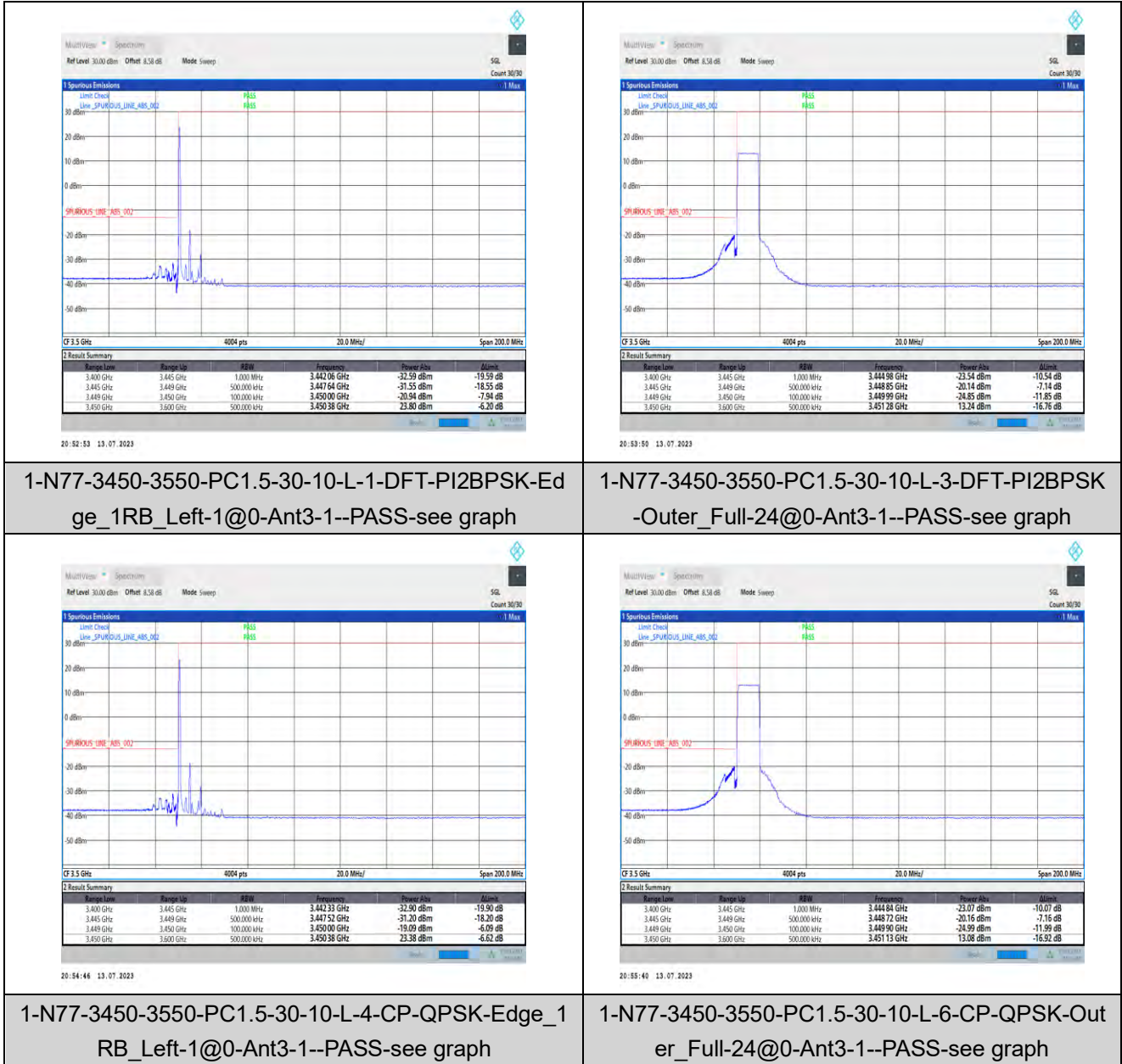
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Band Edge for MIMO ANT3

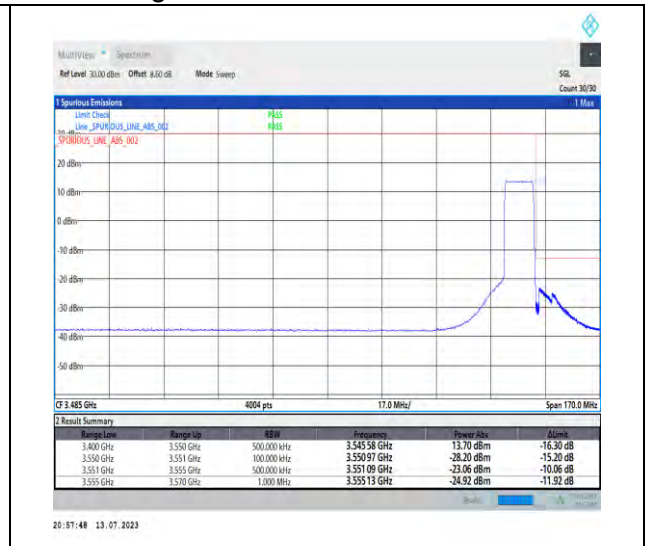
Test Graphs



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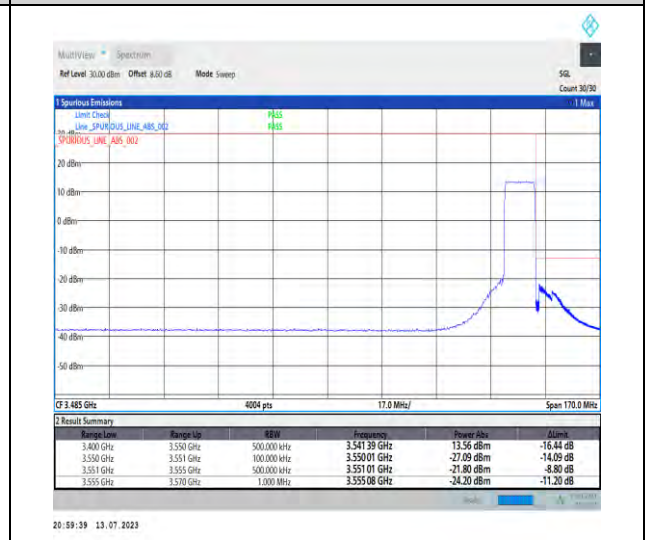
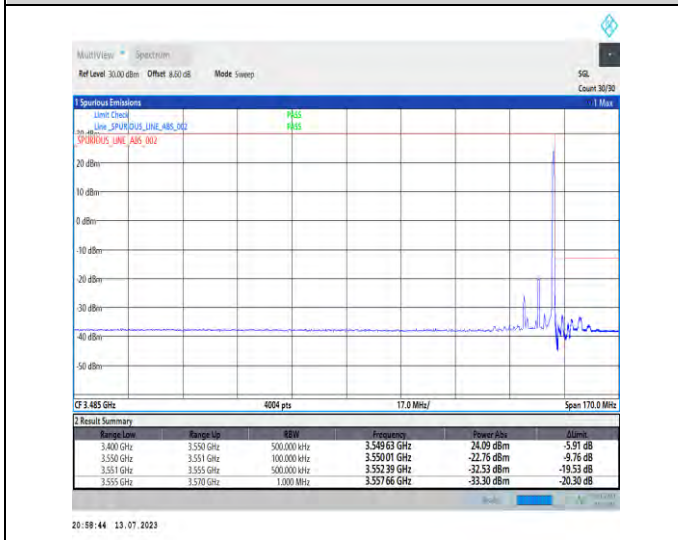
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1-N77-3450-3550-PC1.5-30-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@23-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-10-H-3-DFT-PI2BPSK-Outer_Full-24@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant3-1--PASS-see graph

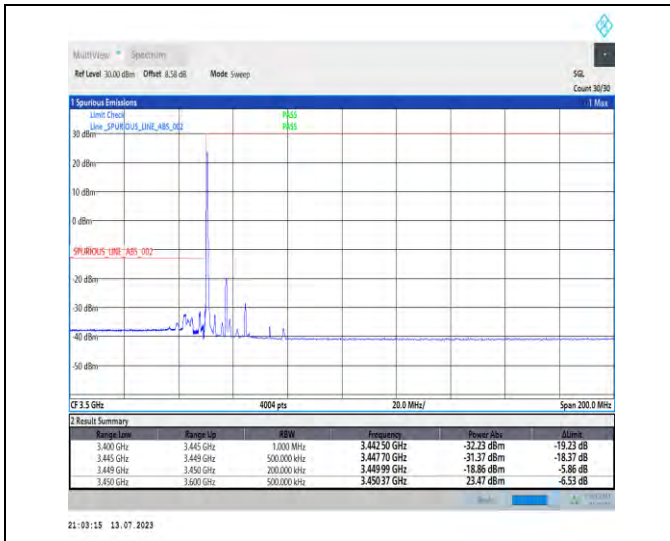
1-N77-3450-3550-PC1.5-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant3-1--PASS-see graph



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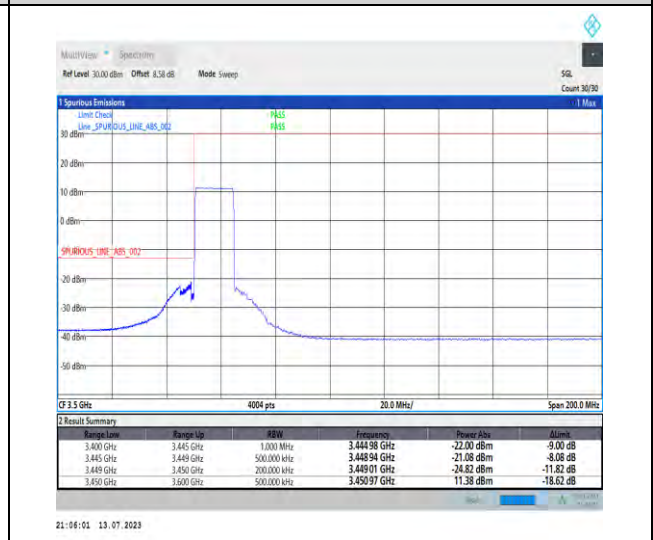
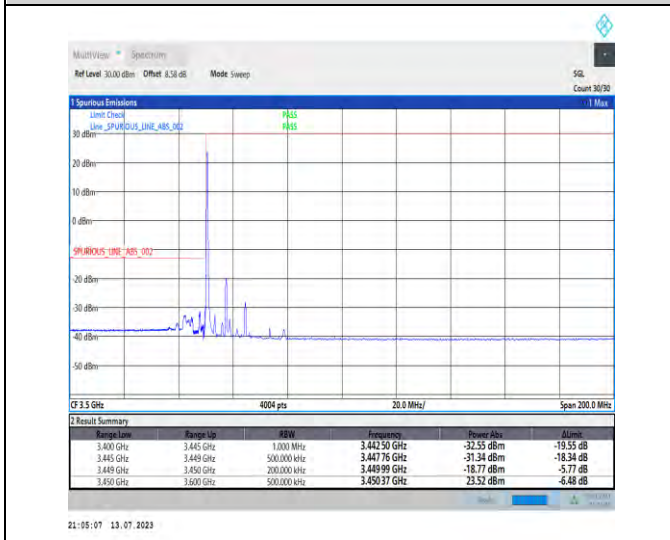
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1-N77-3450-3550-PC1.5-30-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-15-L-3-DFT-PI2BPSK-Outer_Full-36@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

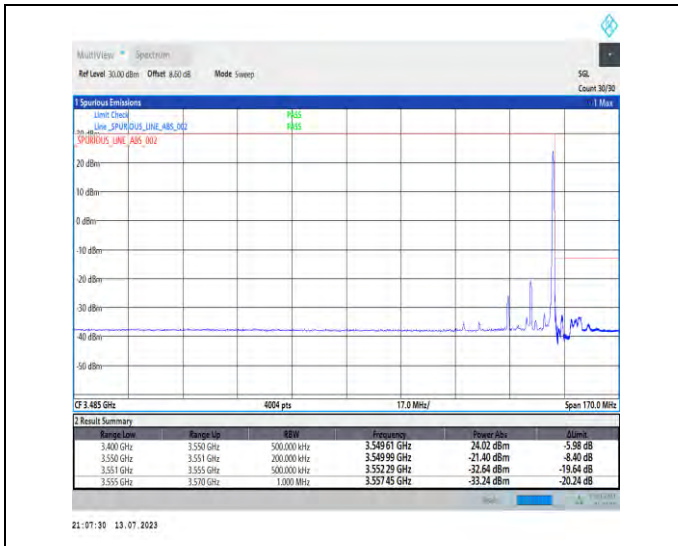
1-N77-3450-3550-PC1.5-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant3-1--PASS-see graph



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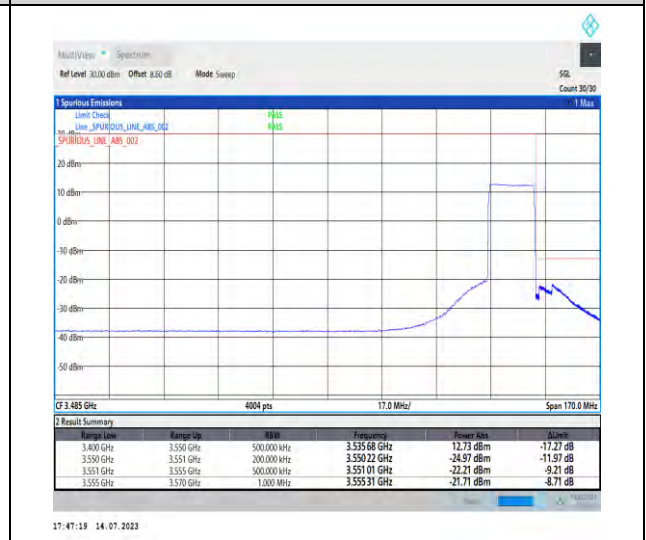
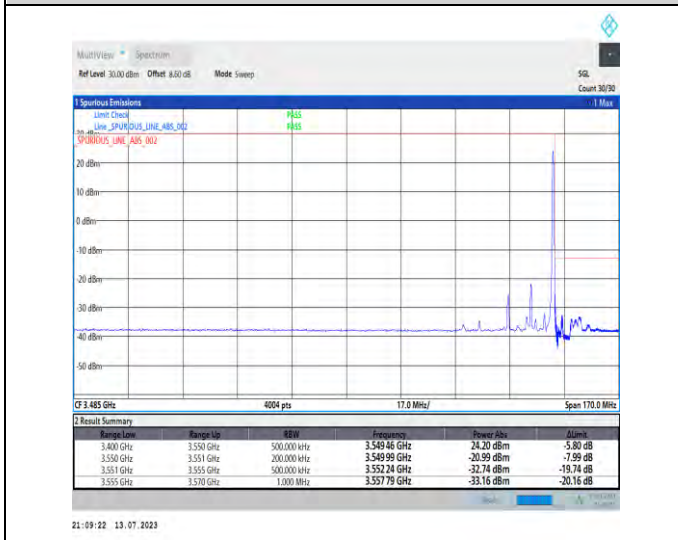
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1-N77-3450-3550-PC1.5-30-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@37-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-15-H-3-DFT-PI2BPSK-Outer_Full-36@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant3-1--PASS-see graph

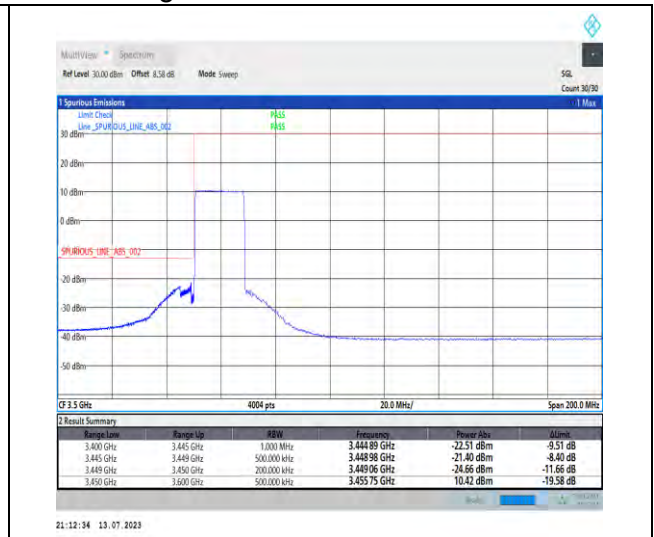
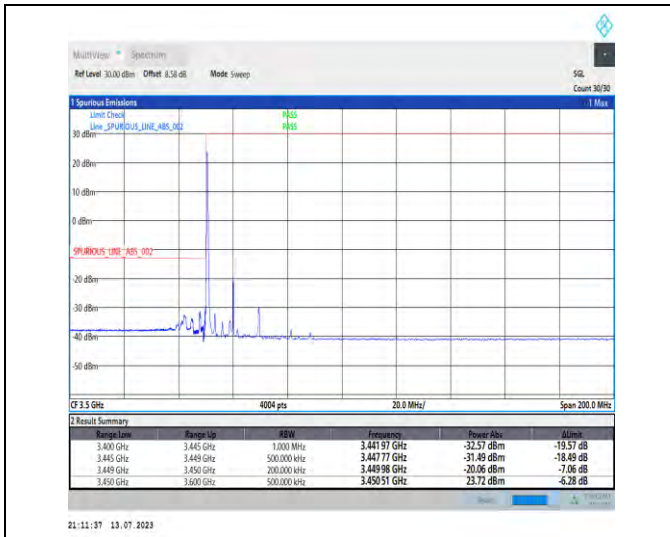
1-N77-3450-3550-PC1.5-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant3-1--PASS-see graph



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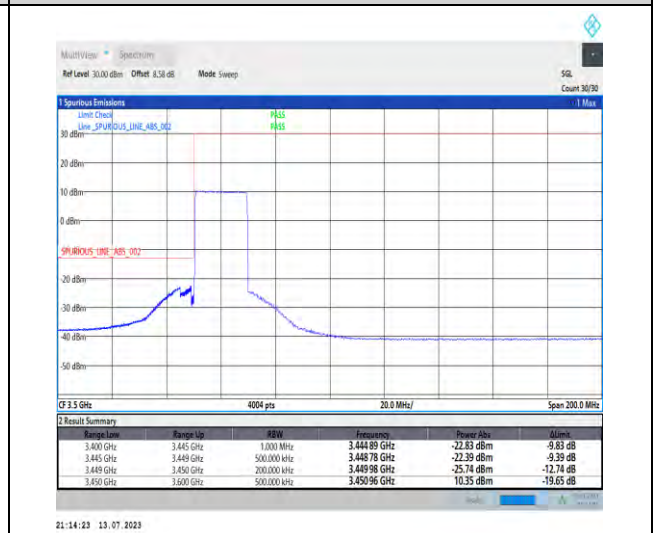
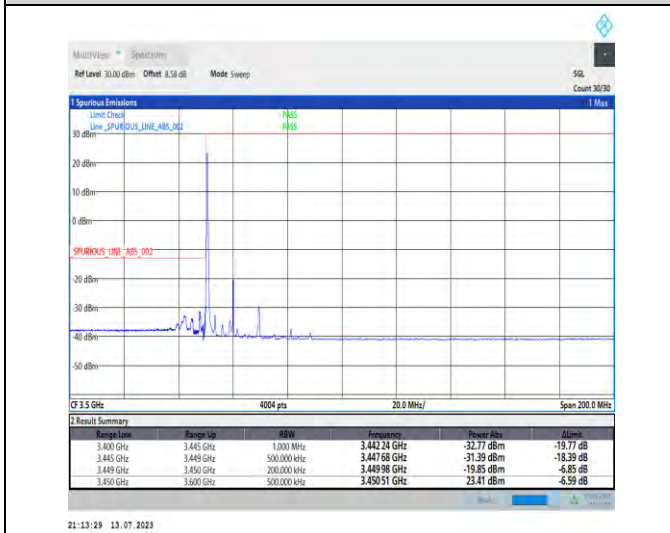
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1-N77-3450-3550-PC1.5-30-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-20-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant3-1--PASS-see graph



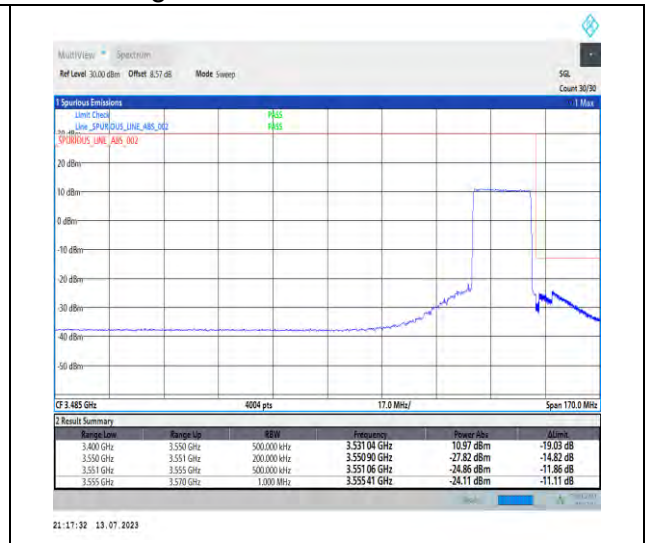
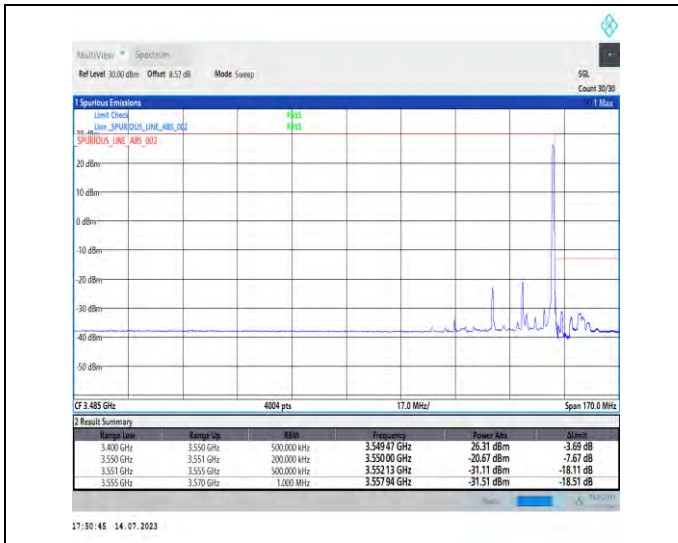
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1-N77-3450-3550-PC1.5-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant3-1--PASS-see graph



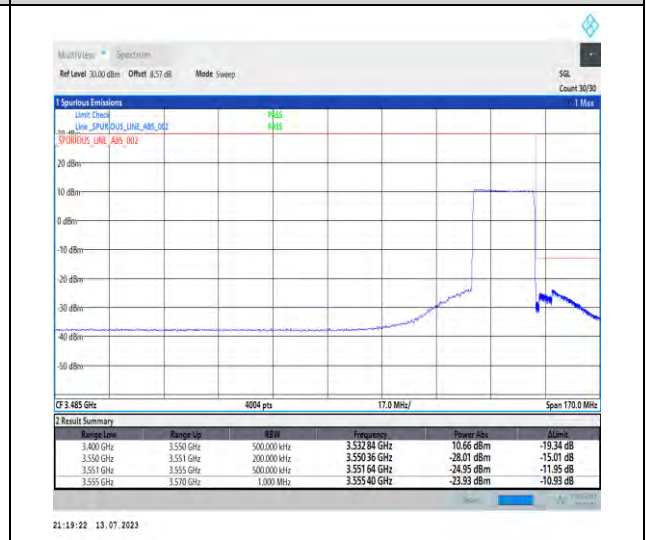
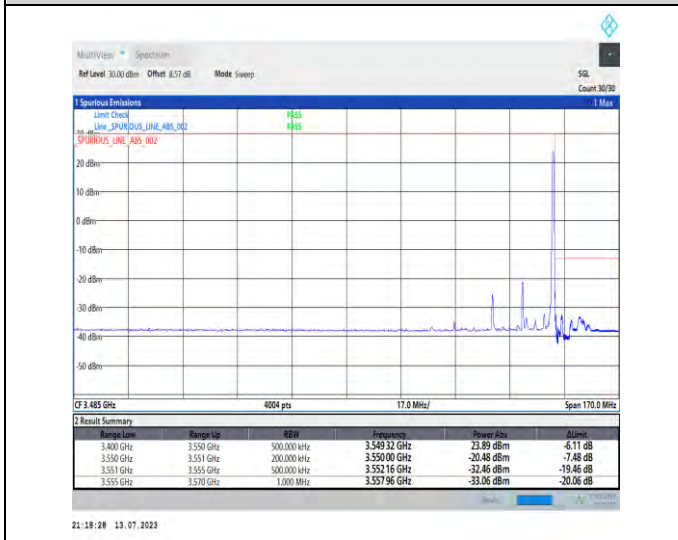
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1-N77-3450-3550-PC1.5-30-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@50-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant3-1--PASS-see graph

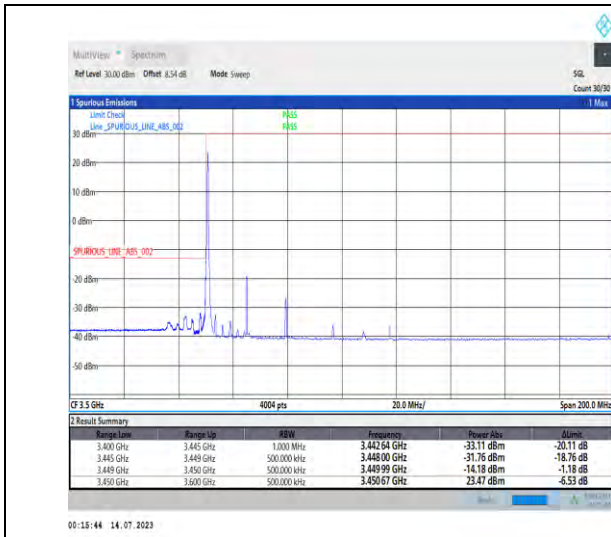


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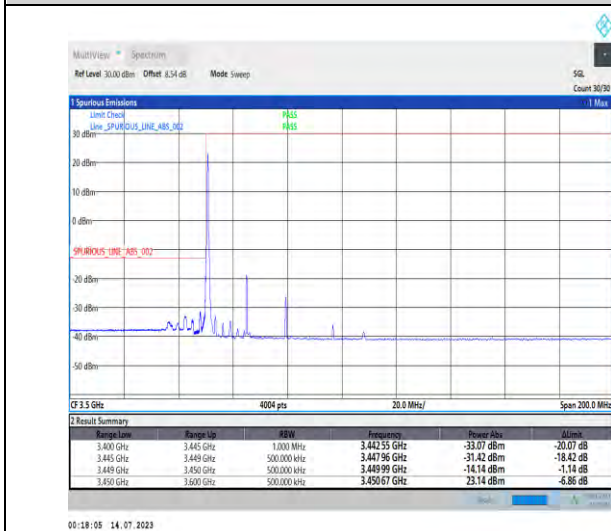


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1-N77-3450-3550-PC1.5-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant3-1--PASS-see graph



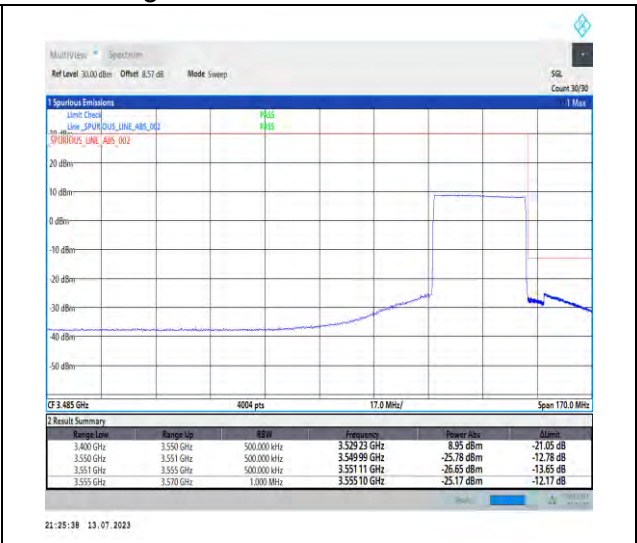
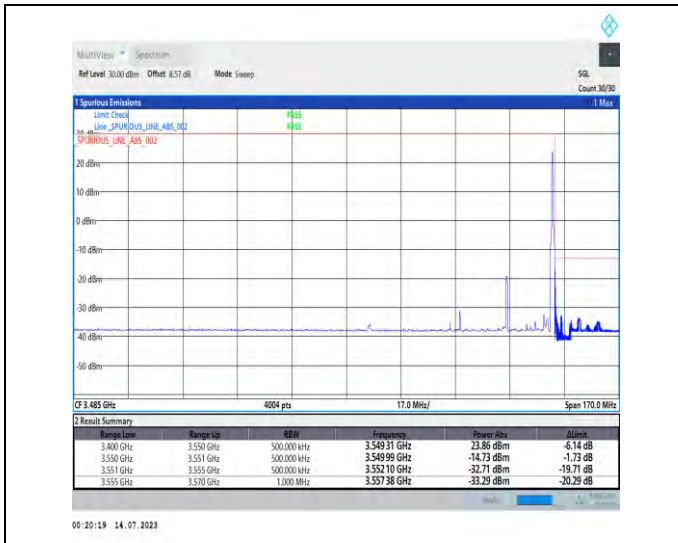
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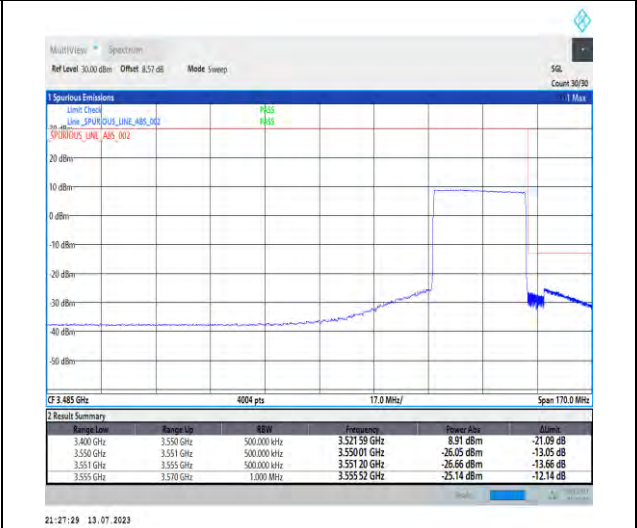
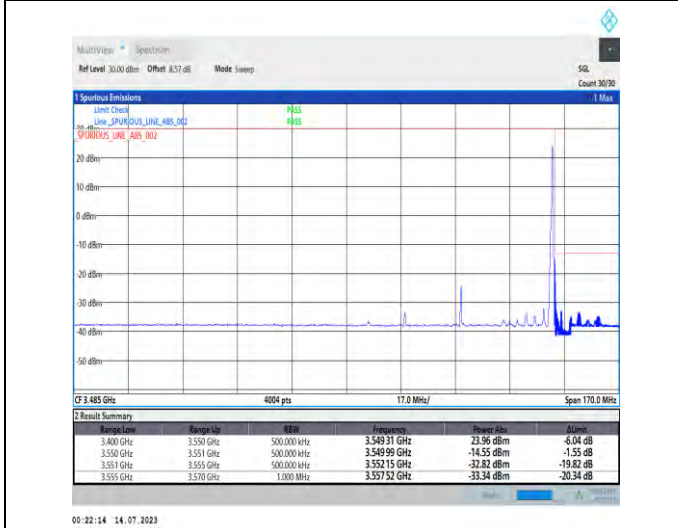
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1-N77-3450-3550-PC1.5-30-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@77-Ant3-1--PASS-see graph

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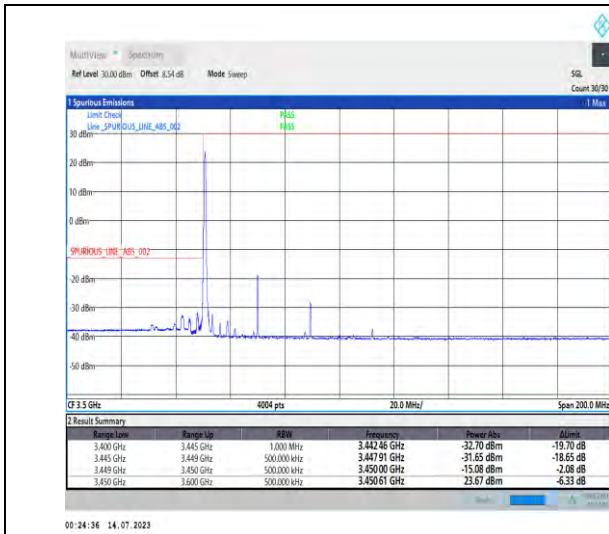


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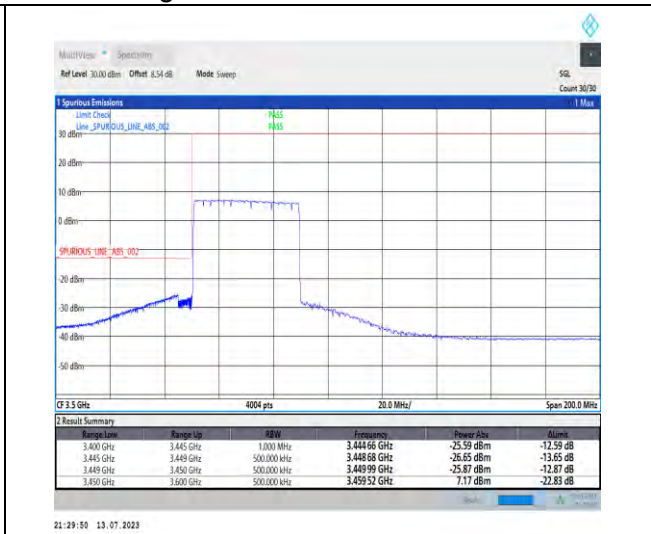
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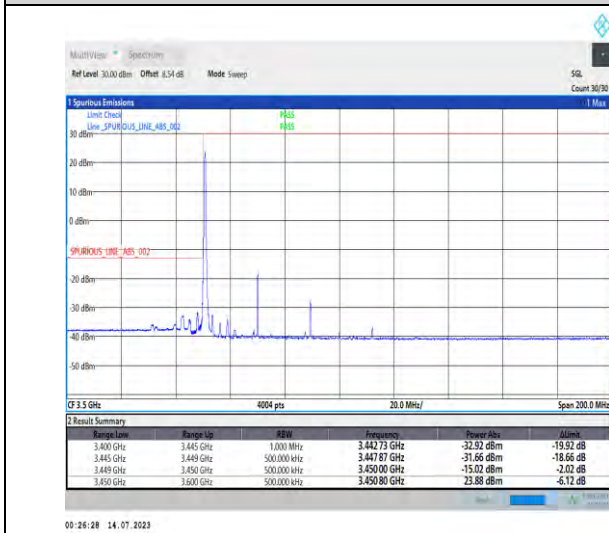
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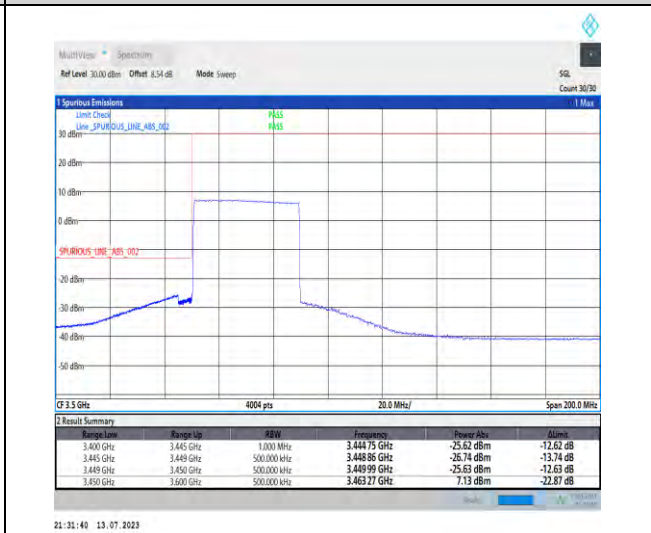
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1-N77-3450-3550-PC1.5-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph



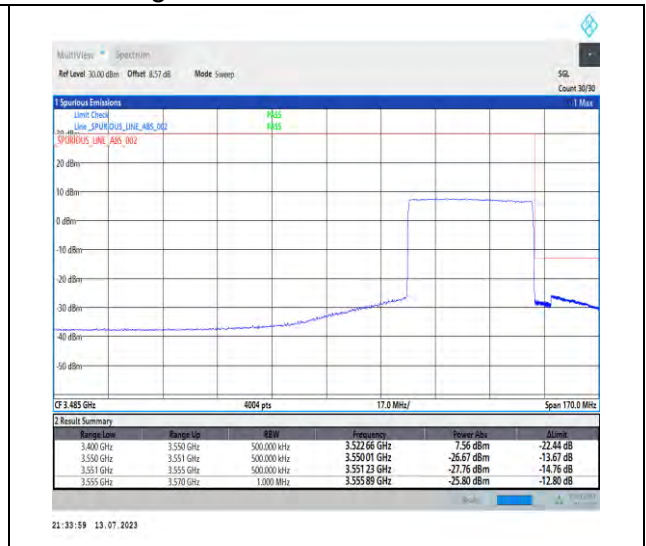
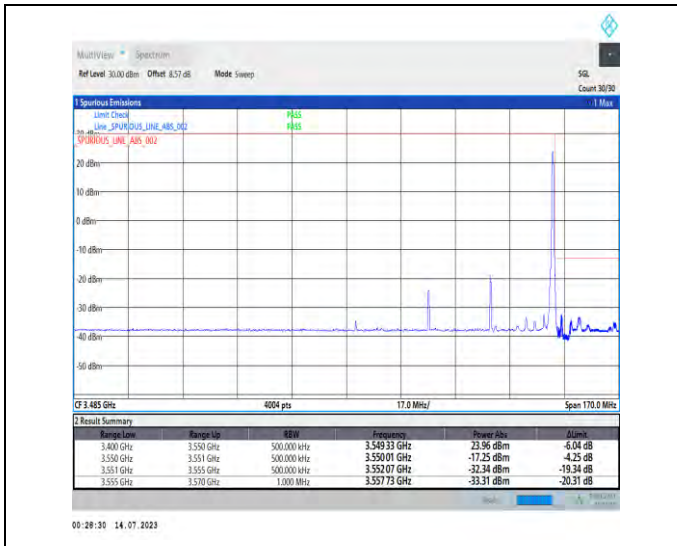
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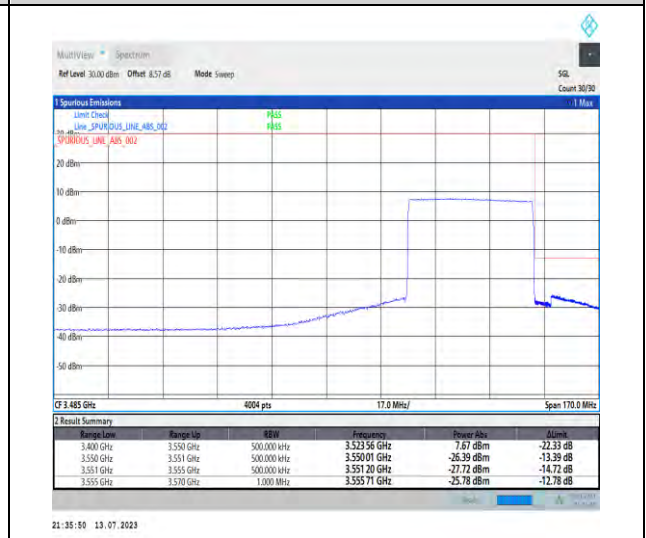
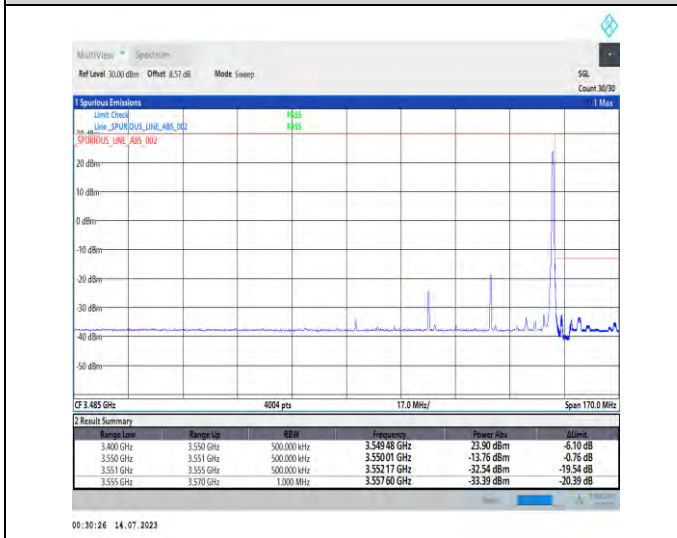
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1-N77-3450-3550-PC1.5-30-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant3-1--PASS-see graph



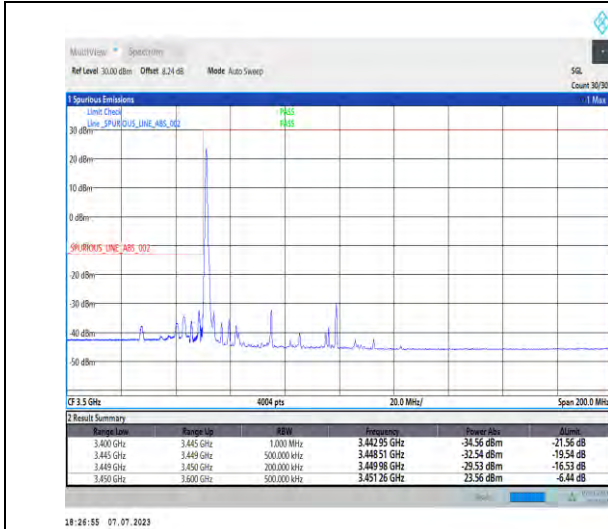
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1-N77-3450-3550-PC1.5-30-40-H-6-CP-QPSK-Outer_Full-100@0-Ant3-1--PASS-see graph



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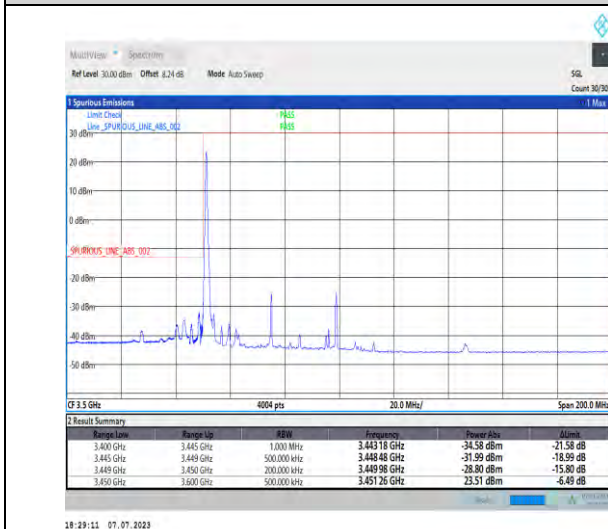
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1-N77-3450-3550-PC1.5-30-50-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-50-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

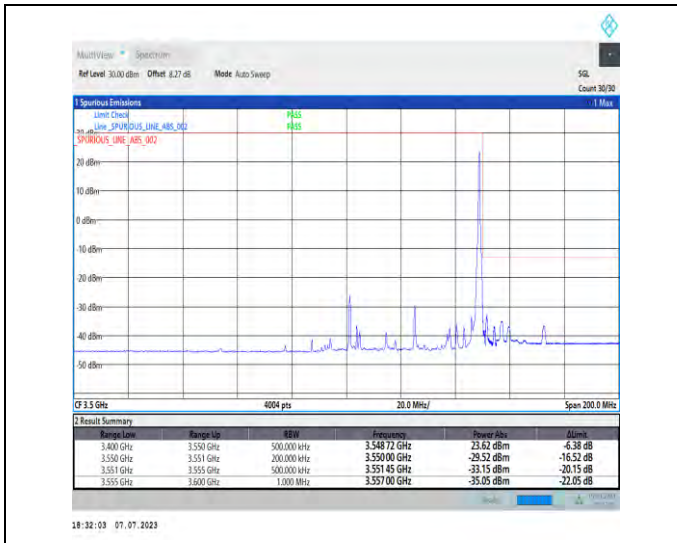


1-N77-3450-3550-PC1.5-30-50-L-6-CP-QPSK-Outer_Full-133@0-Ant3-1--PASS-see graph



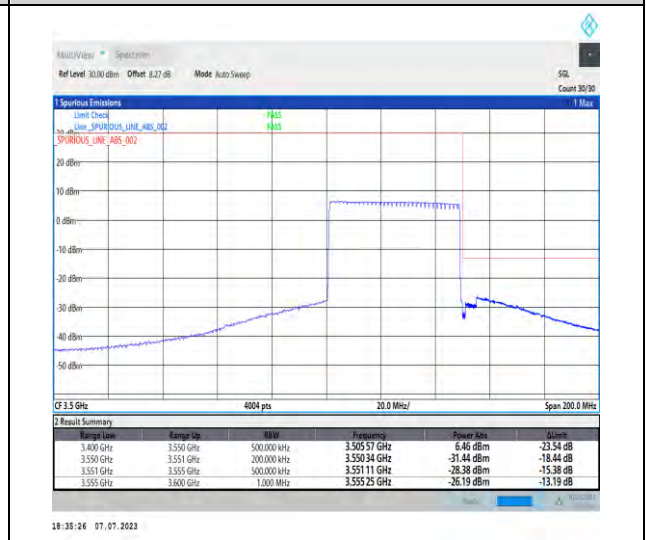
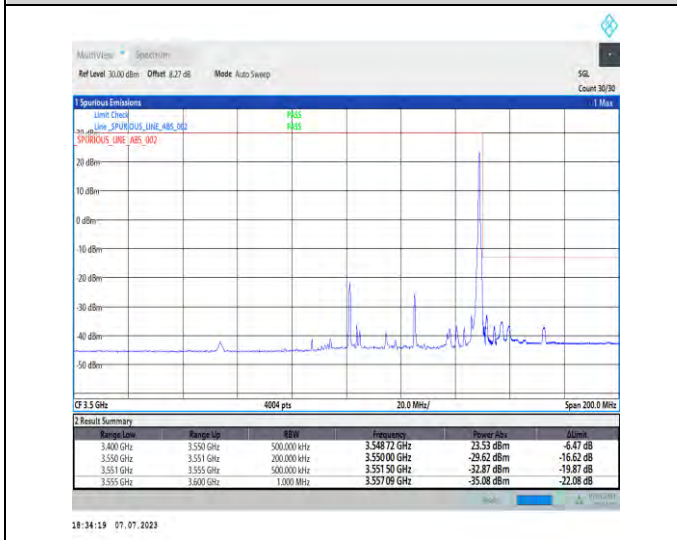
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1-N77-3450-3550-PC1.5-30-50-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant3-1--PASS-see graph

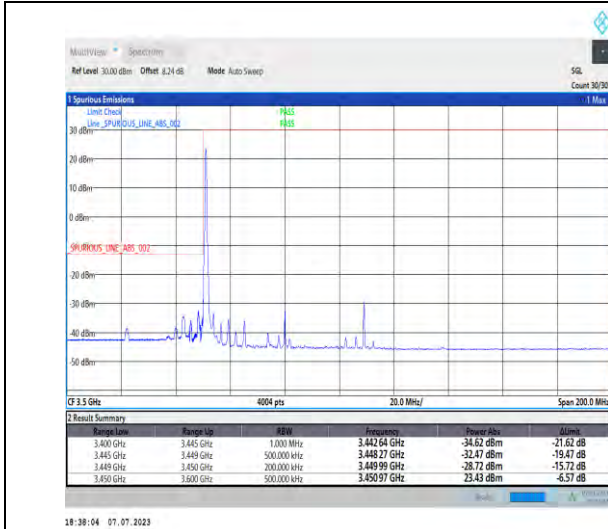
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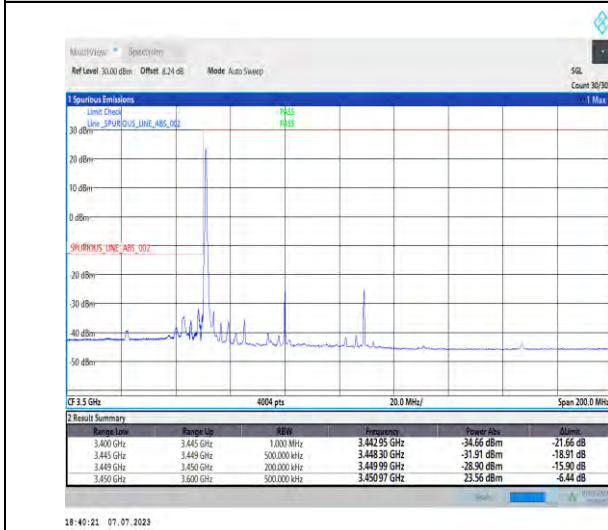
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1-N77-3450-3550-PC1.5-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant3-1--PASS-see graph



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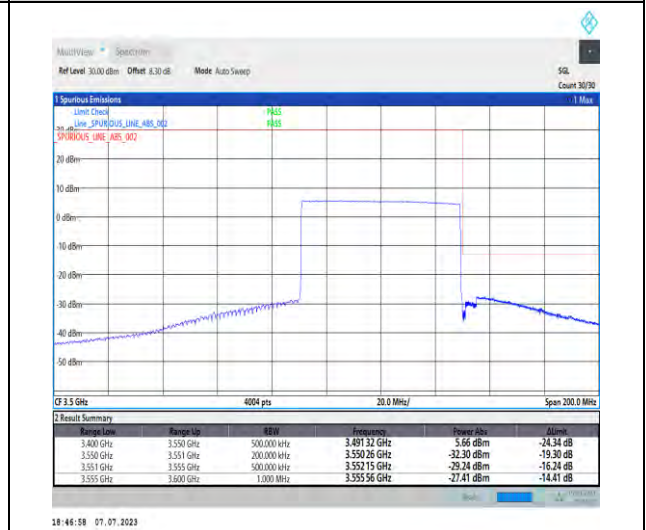
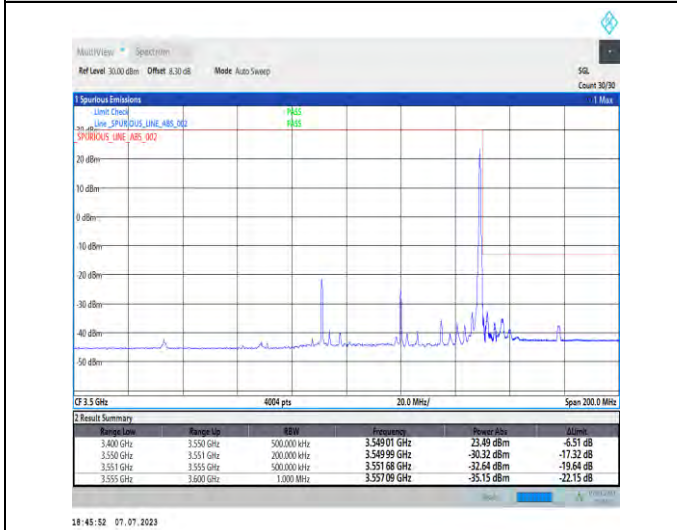
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1-N77-3450-3550-PC1.5-30-60-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@161-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant3-1--PASS-see graph



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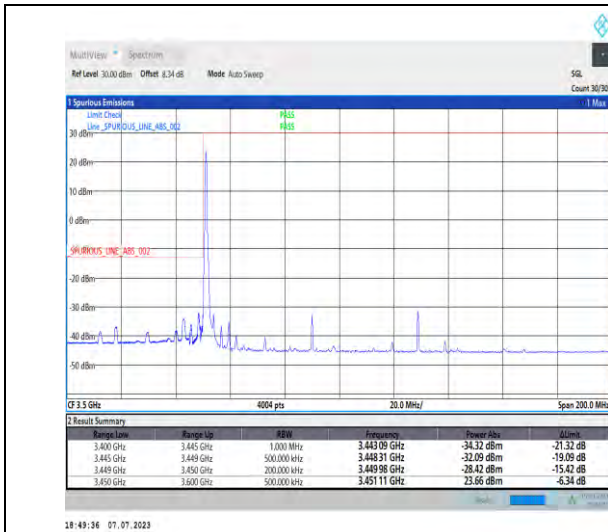
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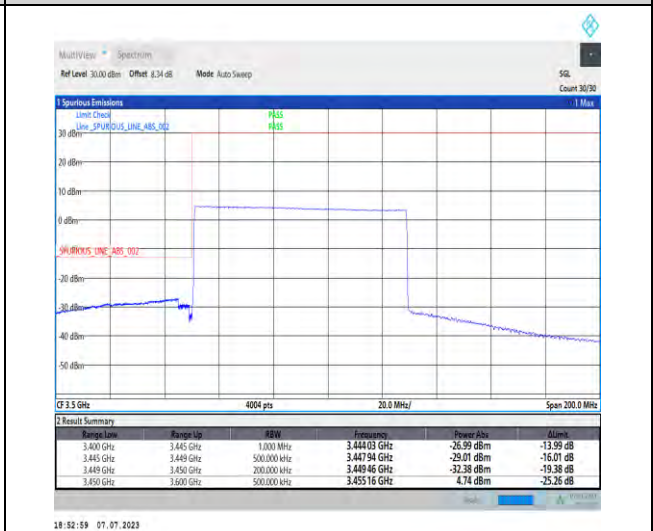
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1-N77-3450-3550-PC1.5-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

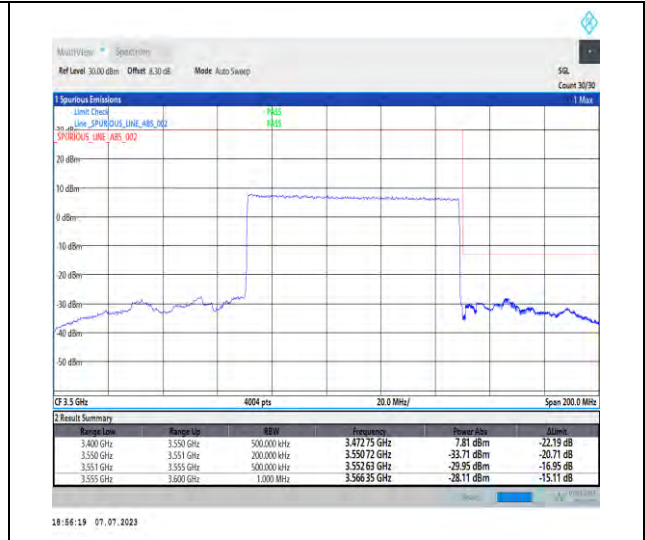
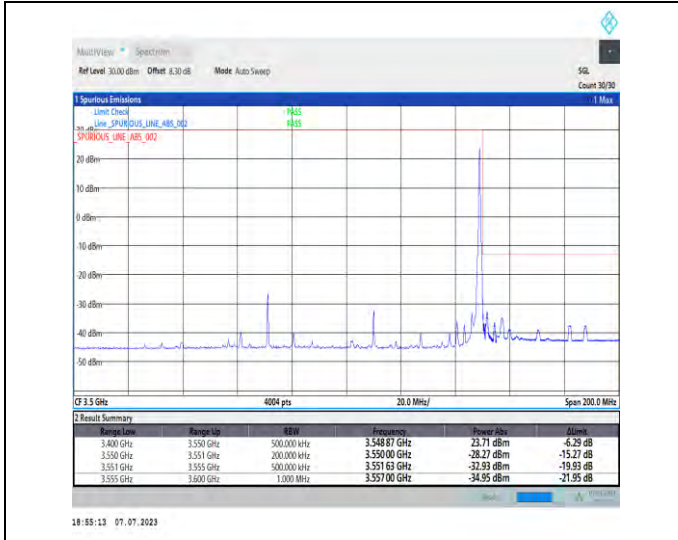


1-N77-3450-3550-PC1.5-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant3-1--PASS-see graph



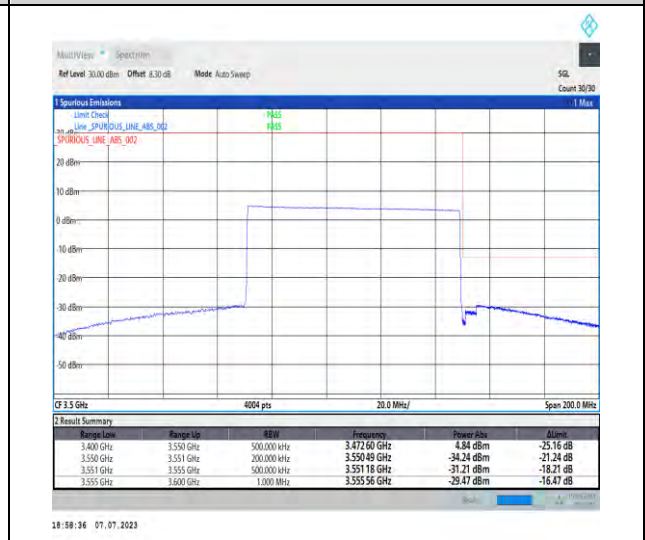
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1-N77-3450-3550-PC1.5-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant3-1--PASS-see graph

1-N77-3450-3550-PC1.5-30-80-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant3-1--PASS-see graph

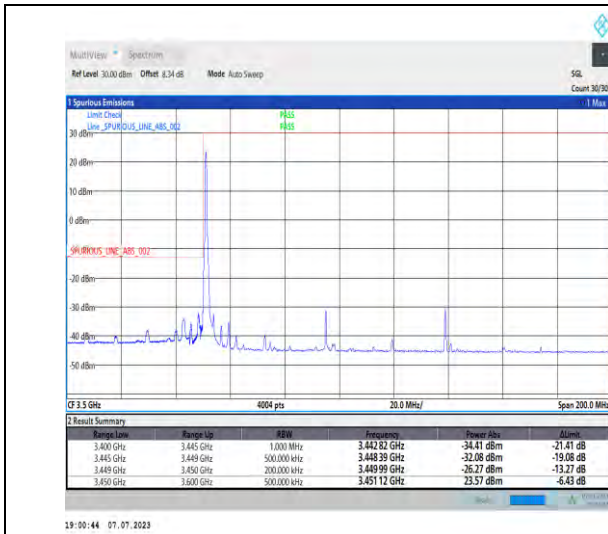
1-N77-3450-3550-PC1.5-30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant3-1--PASS-see graph



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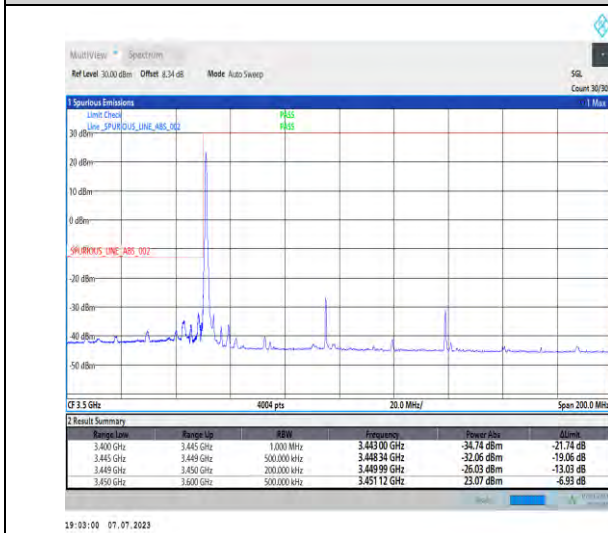
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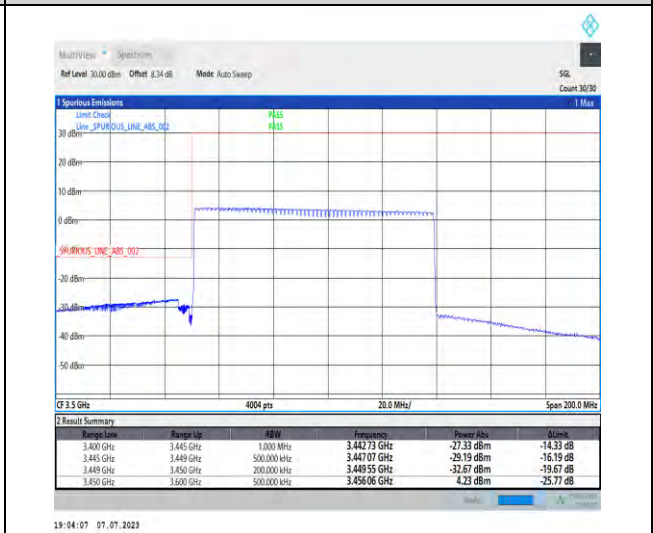
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1-N77-3450-3550-PC1.5-30-90-L-3-DFT-PI2BPSK-Outer_Full-240@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant3-1--PASS-see graph



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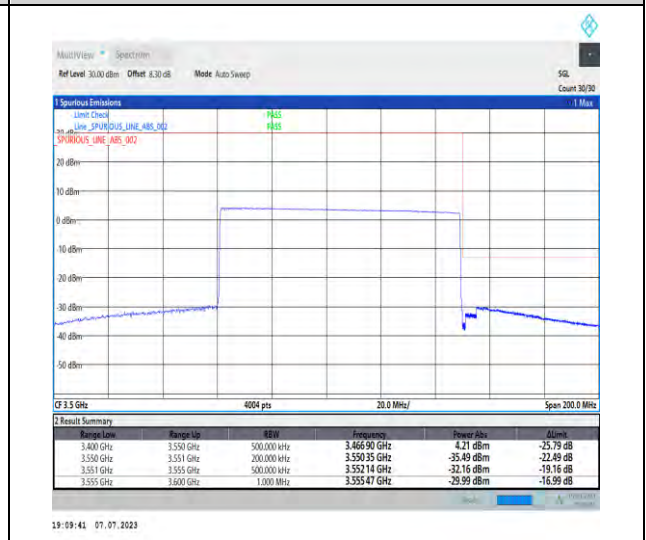
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1-N77-3450-3550-PC1.5-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant3-1--PASS-see graph

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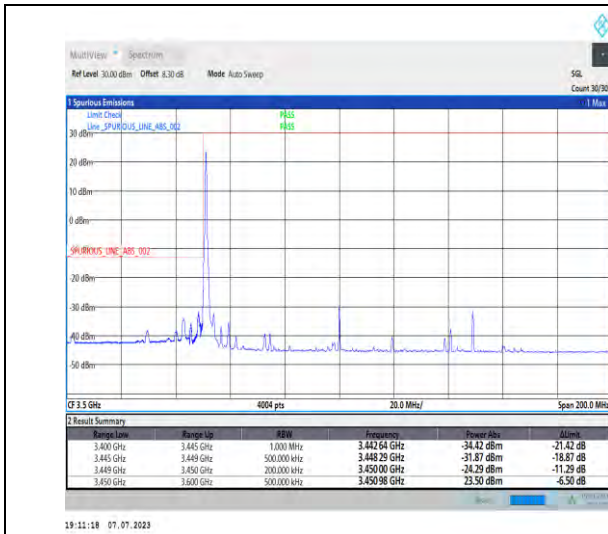
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1-N77-3450-3550-PC1.5-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant3-1--PASS-see graph



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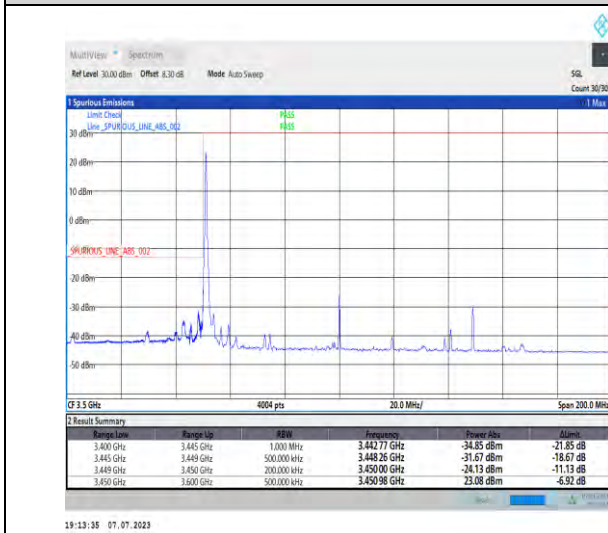
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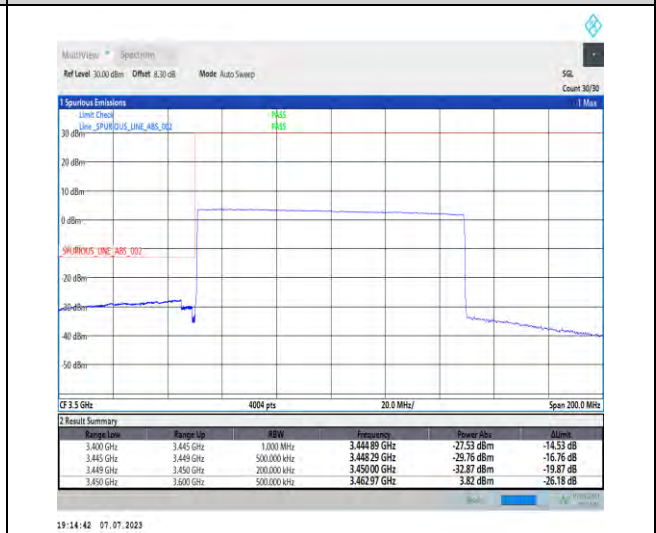
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dge_1RB_Left-1@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-100-L-3-DFT-PI2BPSK
-Outer_Full-270@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-100-L-4-CP-QPSK-Edge
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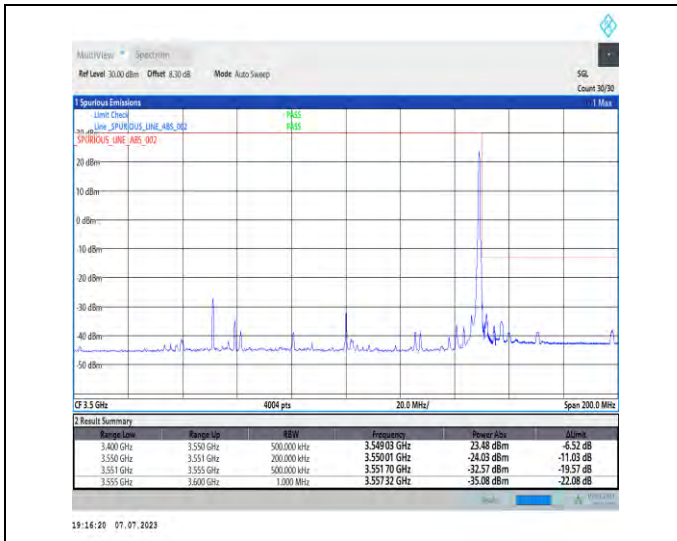


1-N77-3450-3550-PC1.5-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant3-1--PASS-see graph



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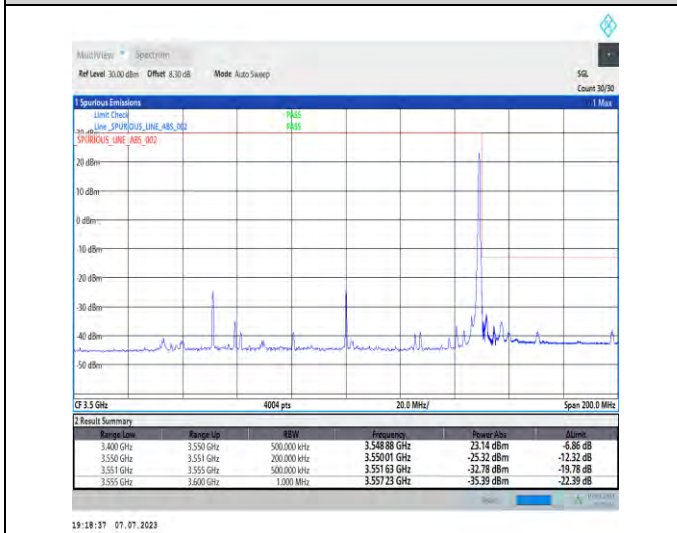
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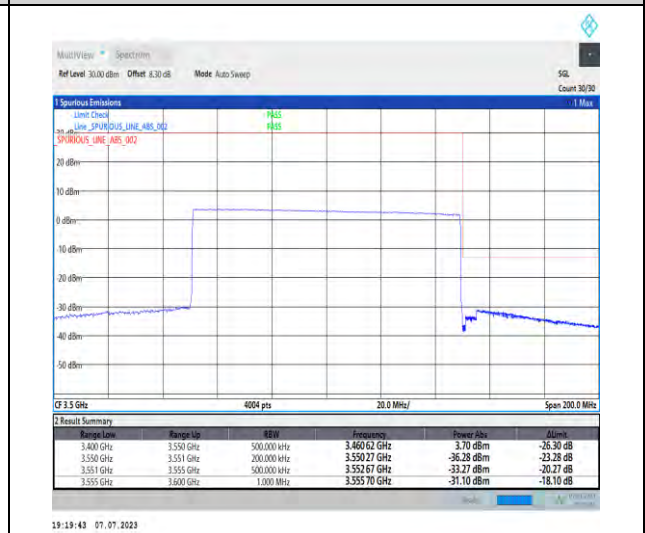
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1-N77-3450-3550-PC1.5-30-100-H-3-DFT-PI2BPS
K-Outer_Full-270@0-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-100-H-5-CP-QPSK-Edge_
1RB_Right-1@272-Ant3-1--PASS-see graph



1-N77-3450-3550-PC1.5-30-100-H-6-CP-QPSK-O
uter_Full-273@0-Ant3-1--PASS-see graph



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Conducted Spurious Emission for SA

Test Graphs

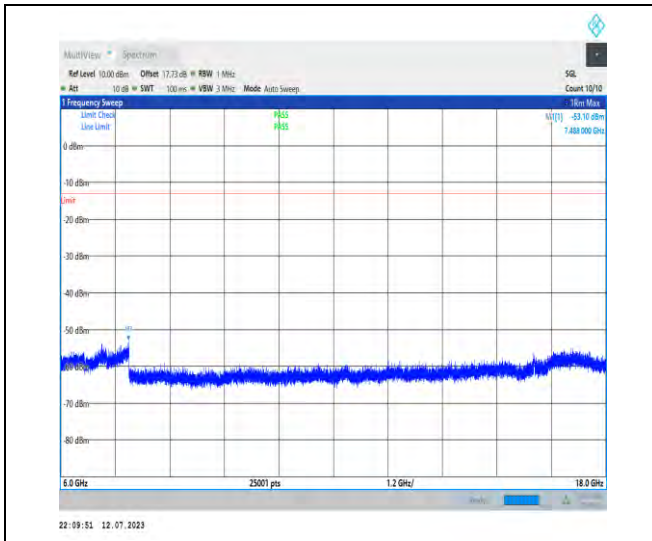
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<p>1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant3-66.38--69.11--13-PASS</p>	<p>1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant3-5355.00--38.70--13-PASS</p>



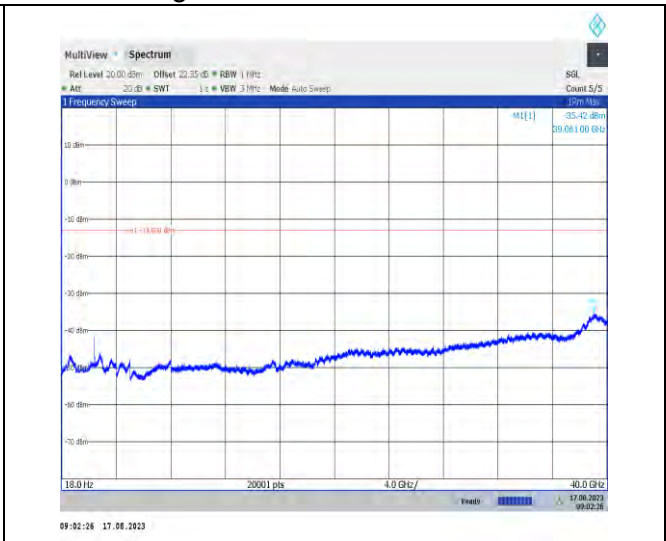
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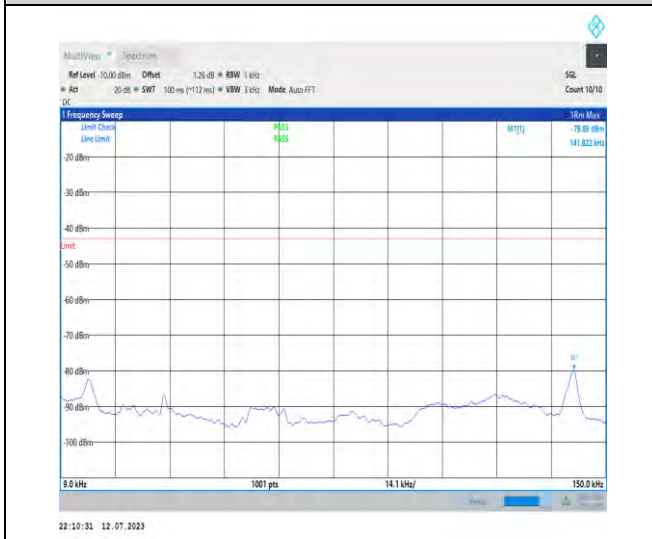
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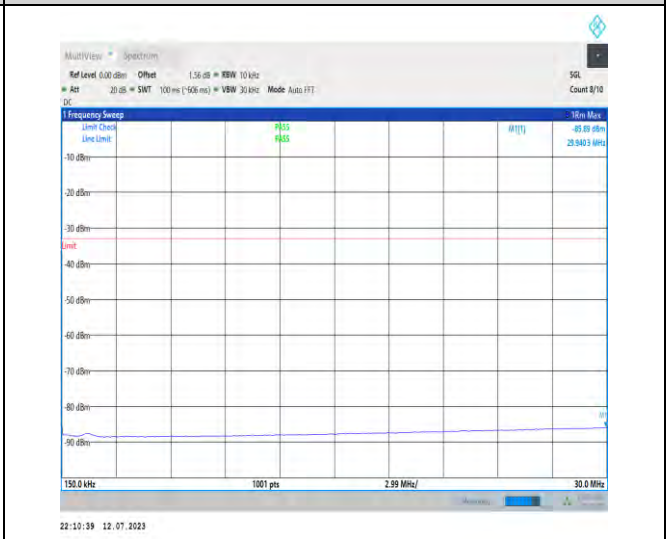
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1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant3-18000.00--56.88-13-PASS



1-N77-3450-3550-PC1.5-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.30-Ant3-0.14--79.89--43-PASS



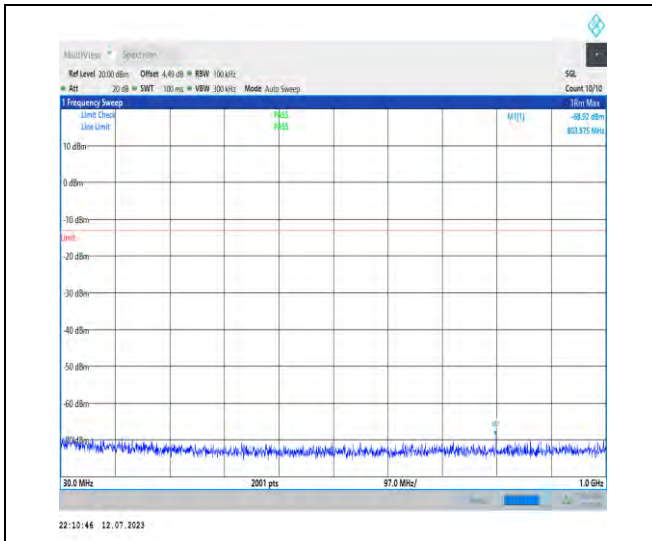
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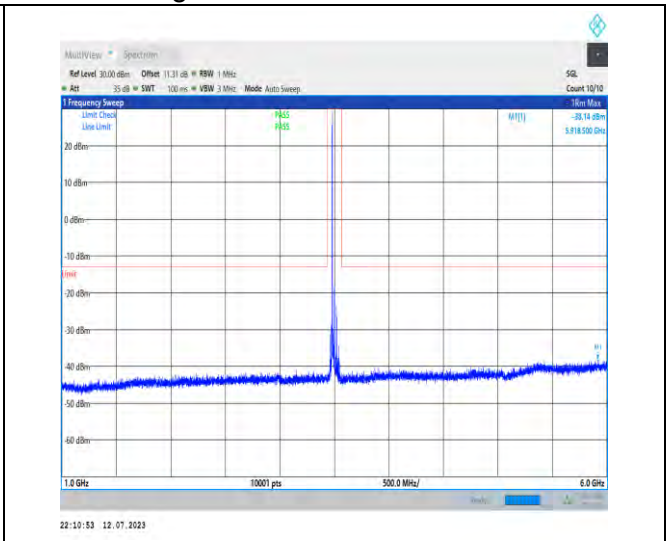
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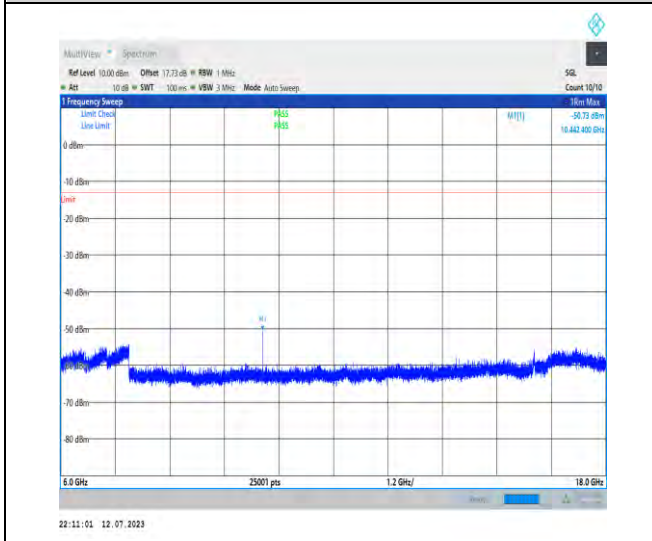
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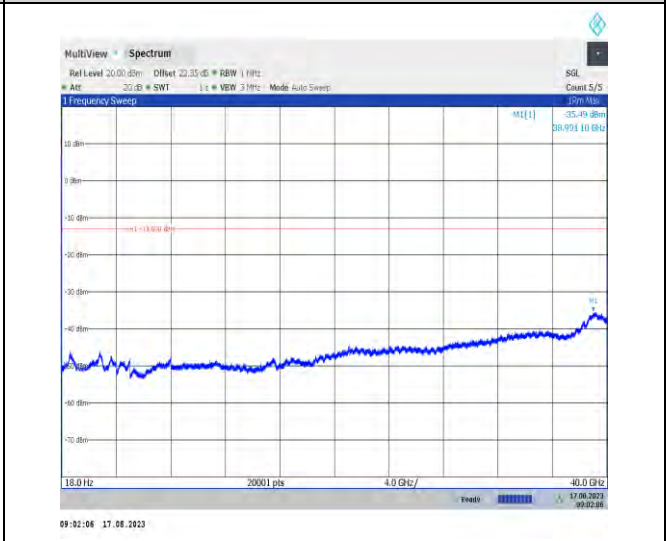
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 13-PASS



1-N77-3450-3550-PC1.5-30-100-M-1-DFT-PI2BPSK
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 4--13-PASS



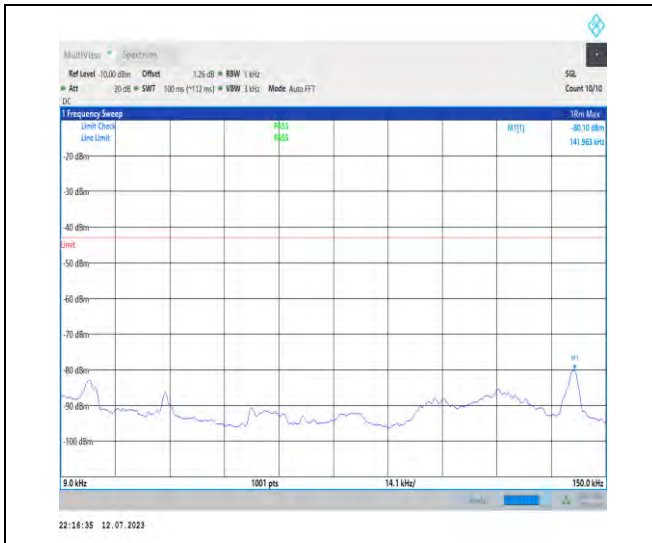
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 50.73--13-PASS



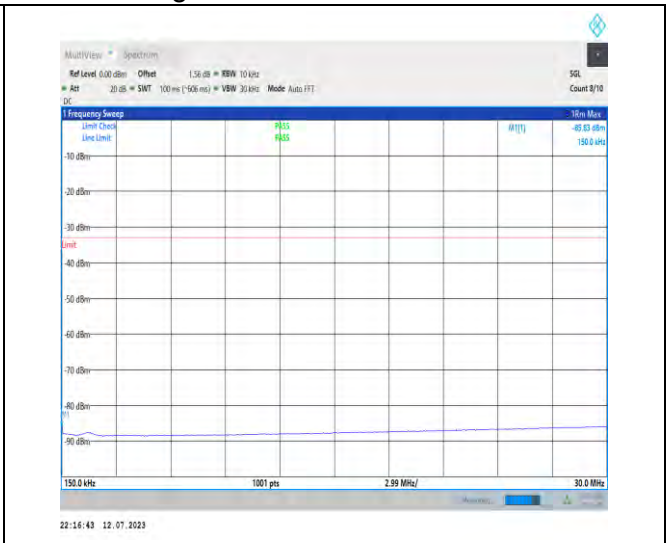
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 57.00--13-PASS



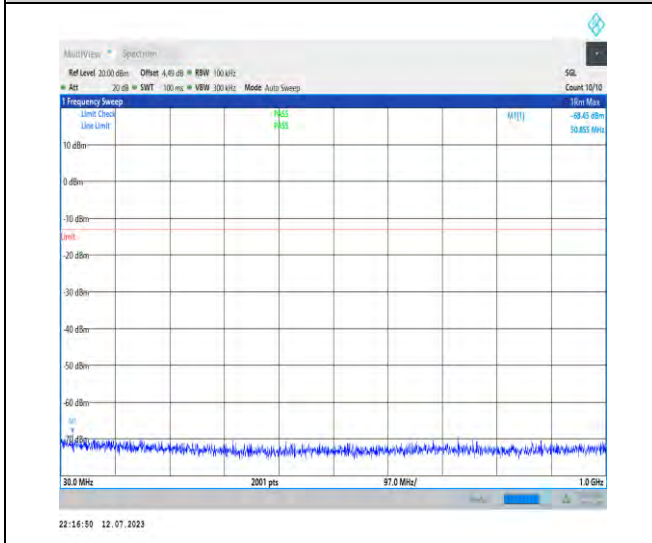
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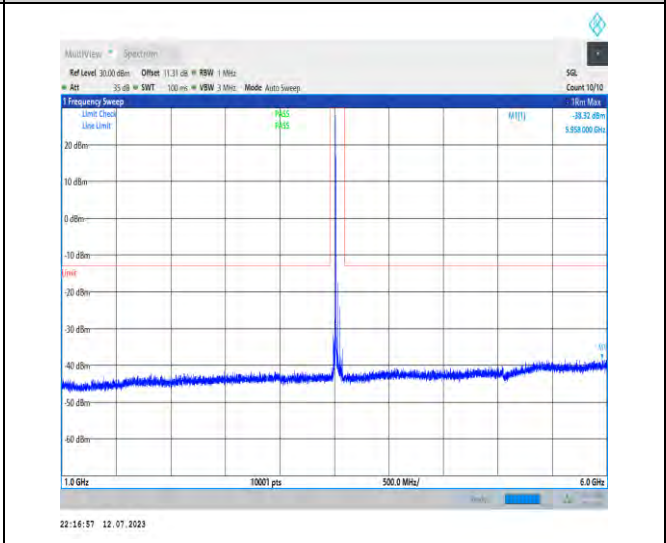
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43-PASS



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ASS



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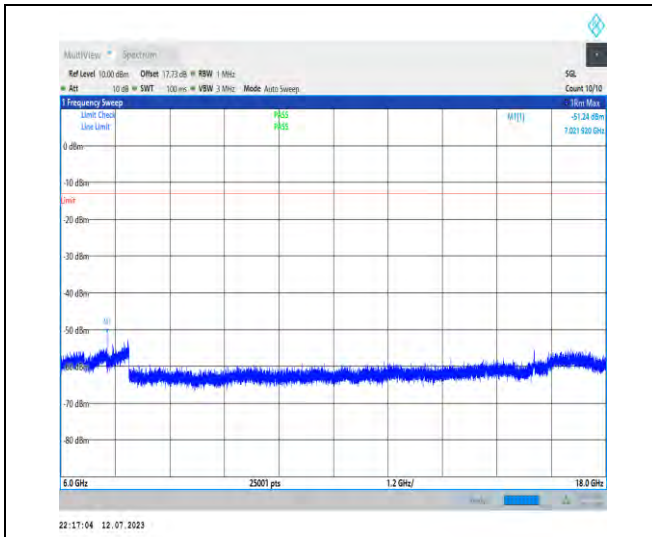


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2--13-PASS

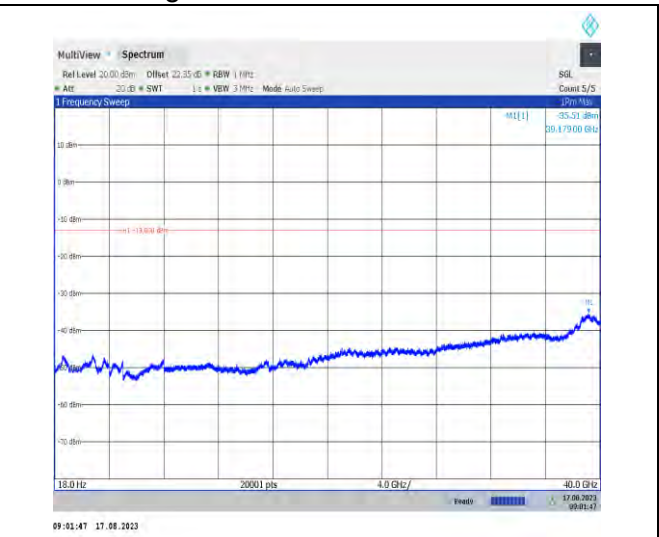


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.24--13-PASS



1-N77-3450-3550-PC1.5-30-100-H-1-DFT-PI2BPSK-I
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7.16--13-PASS

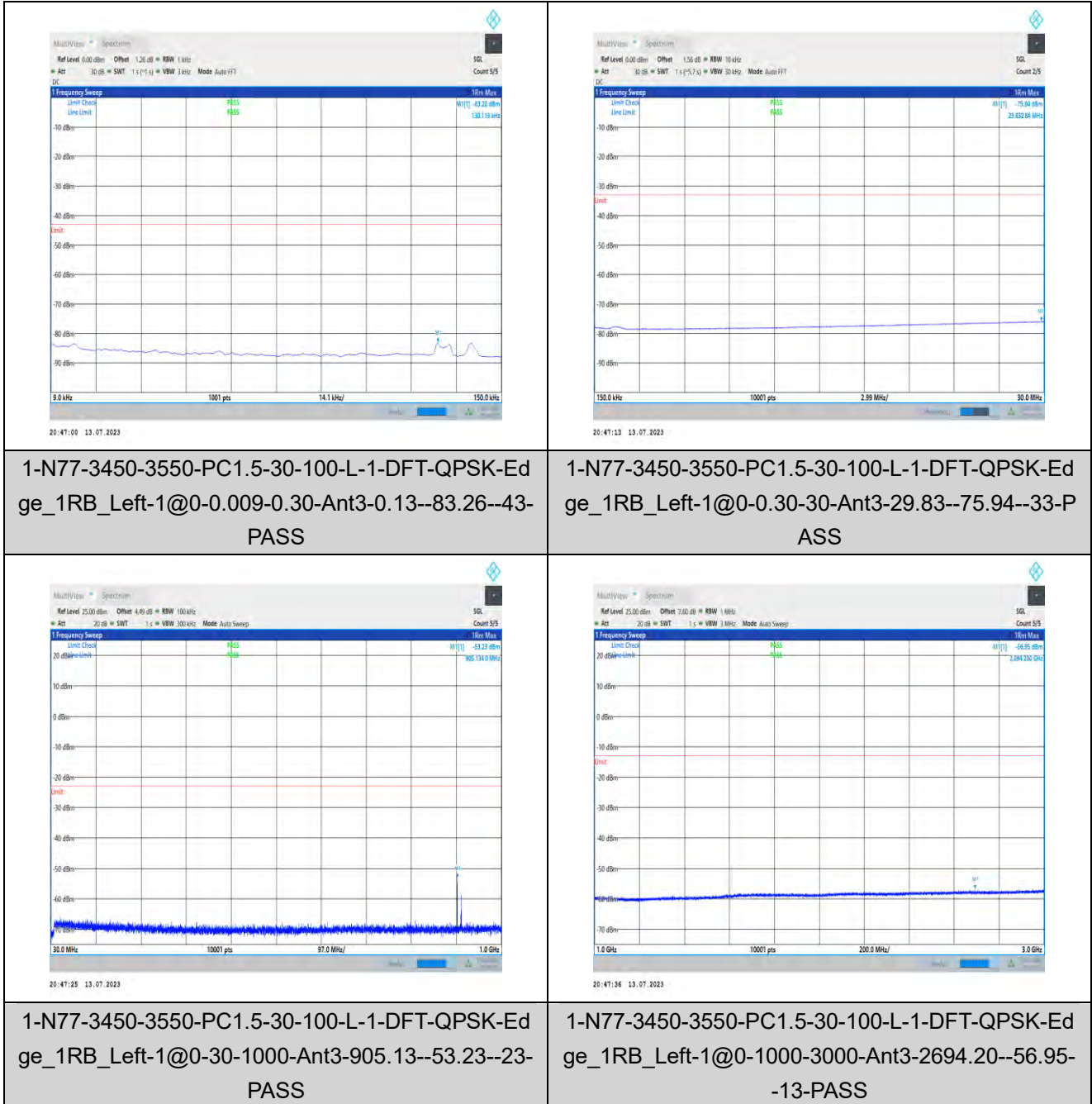


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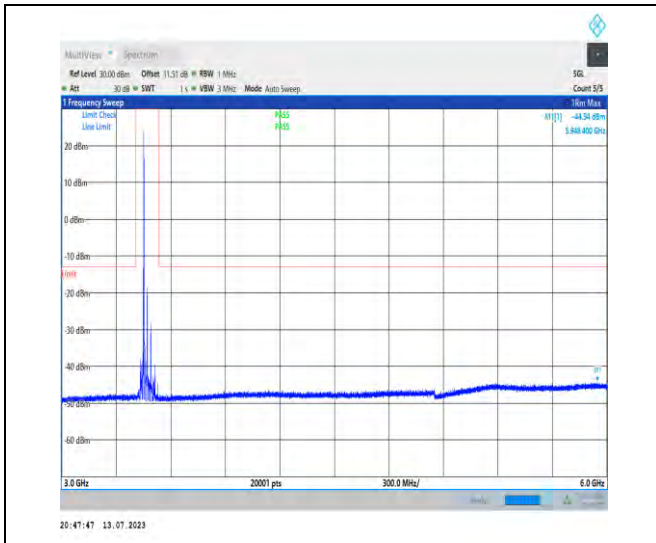
Test Graphs



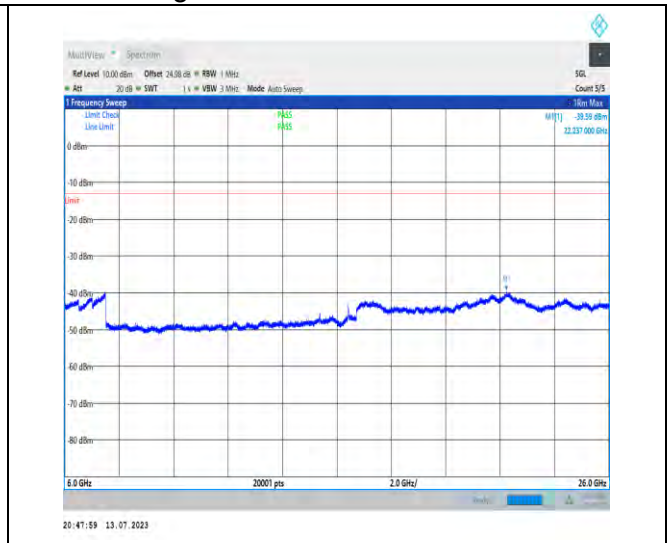
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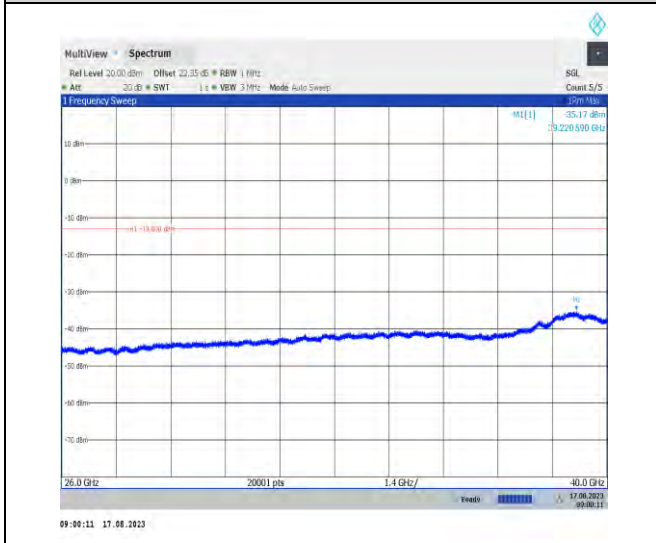
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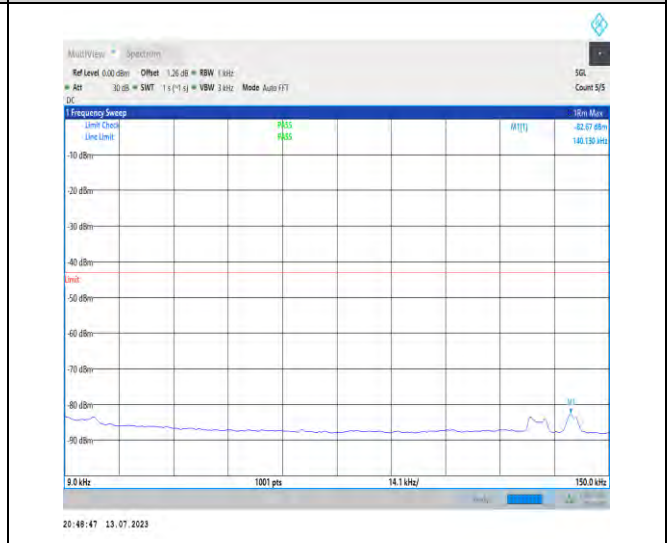
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1-N77-3450-3550-PC1.5-30-100-L-1-DFT-QPSK-Edge_1RB_Left-1@0-6000-26000-Ant3-22237.00--39.59--13-PASS



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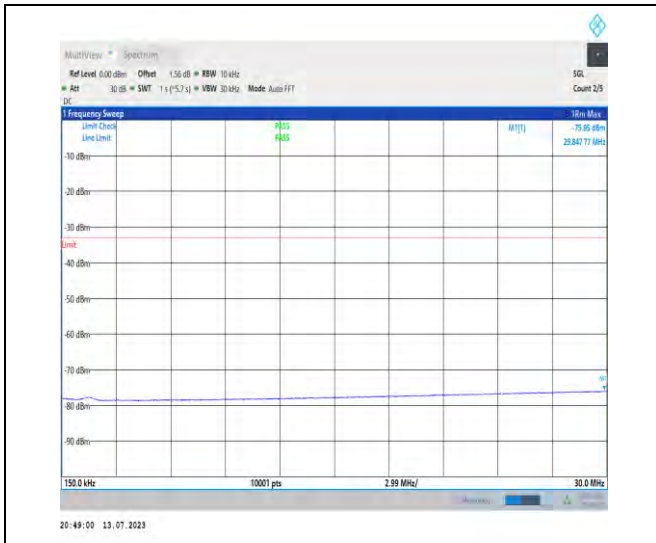


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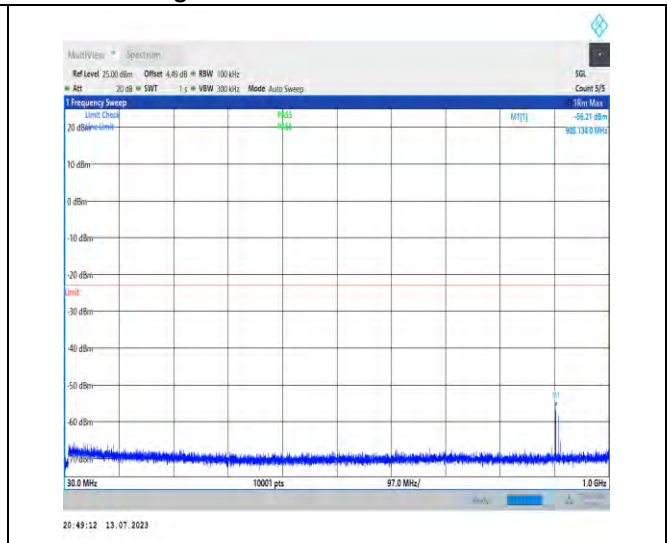


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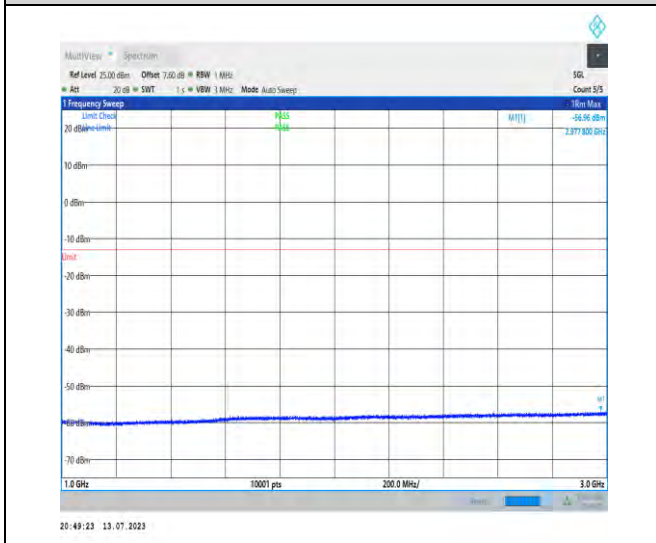
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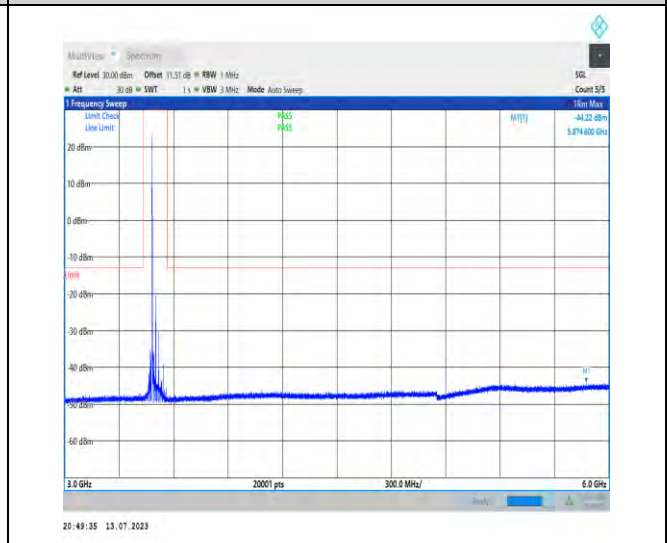
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1-N77-3450-3550-PC1.5-30-100-M-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2977.80--56.96--13-PASS

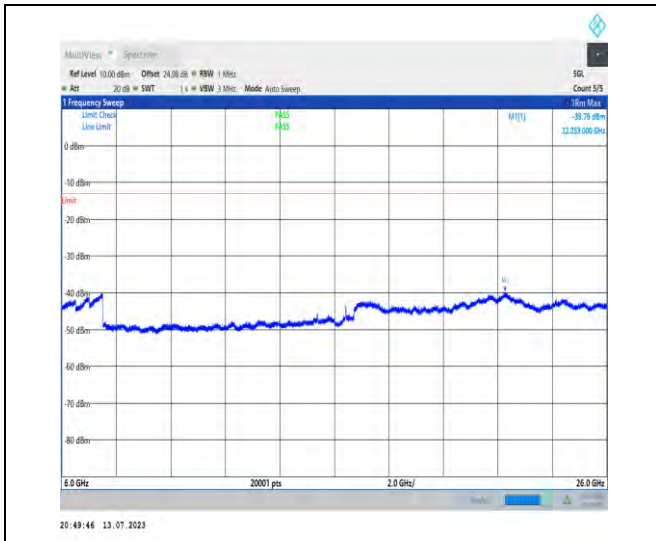


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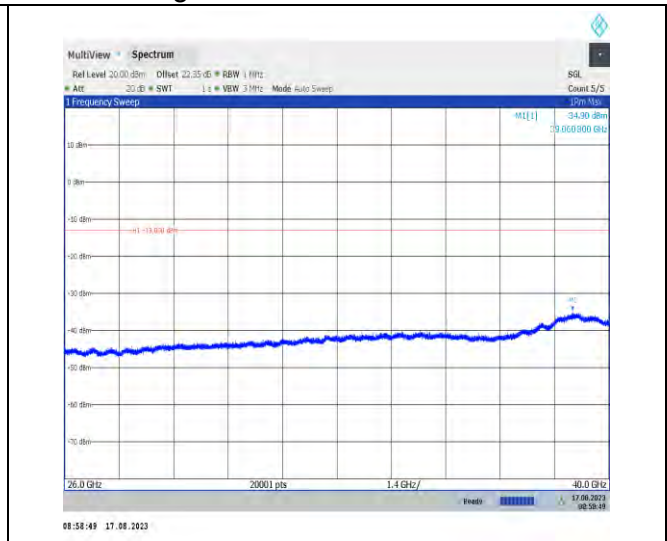


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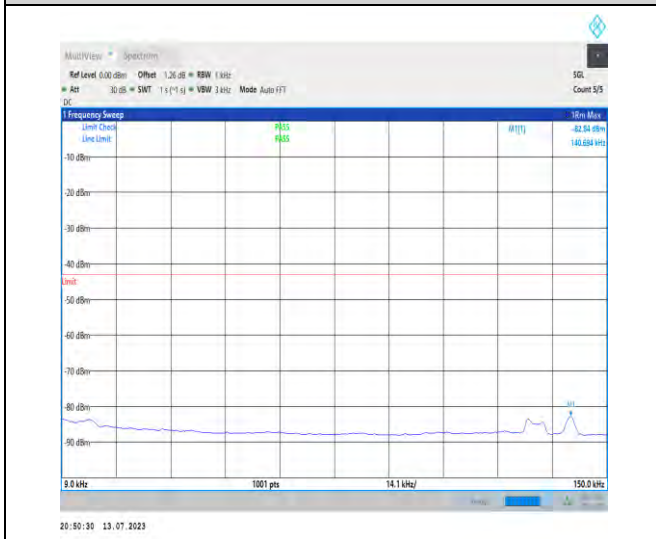
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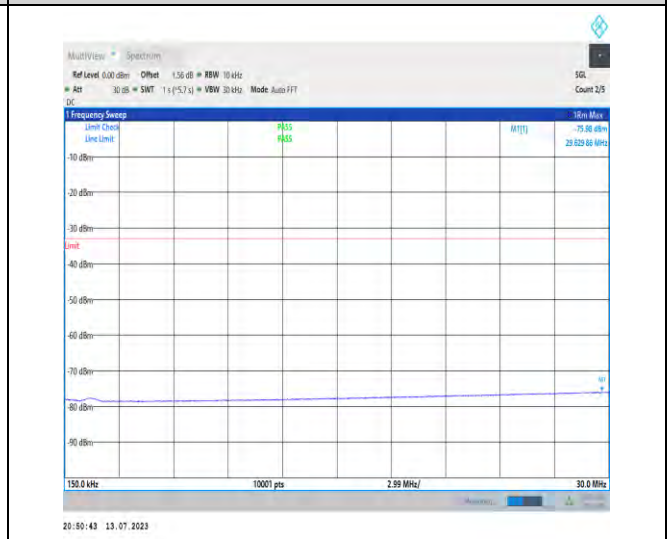
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1-N77-3450-3550-PC1.5-30-100-M-1-DFT-QPSK-Edge_1RB_Left-1@0-26000-40000-Ant3-26000.00--45.31--13-PASS



1-N77-3450-3550-PC1.5-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.30-Ant3-0.14--82.84--43-PASS

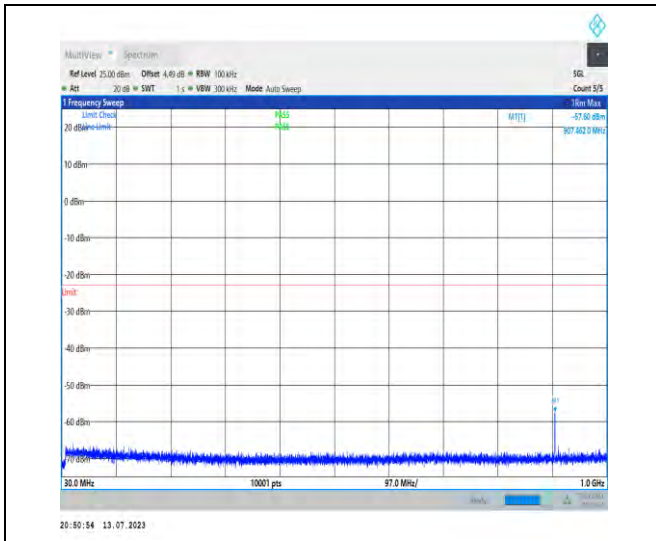


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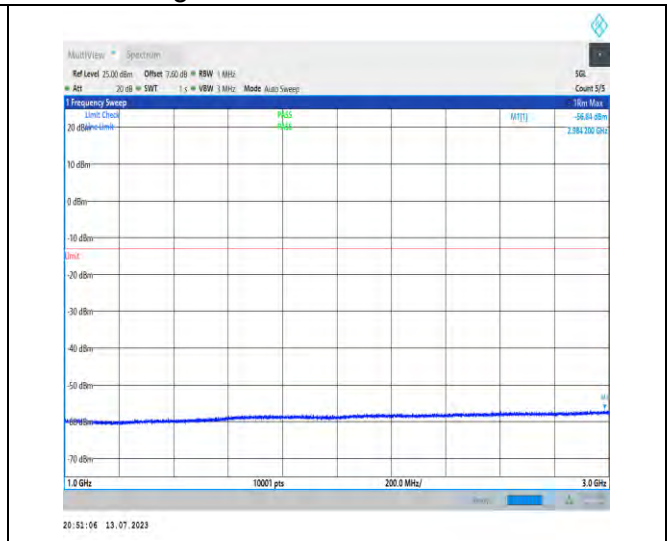


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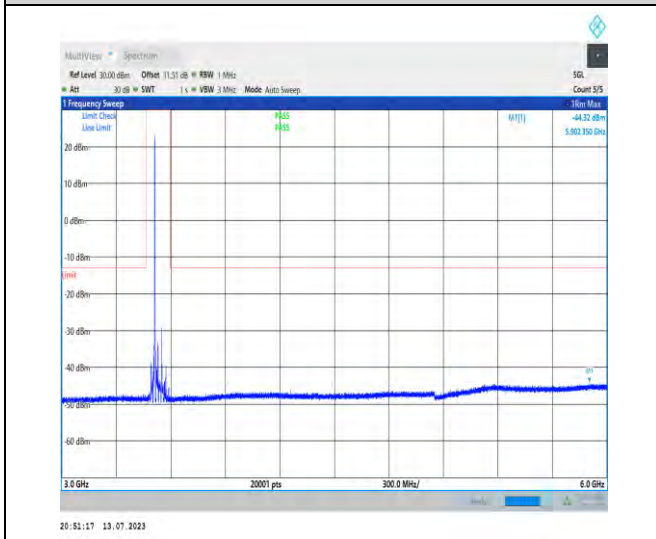
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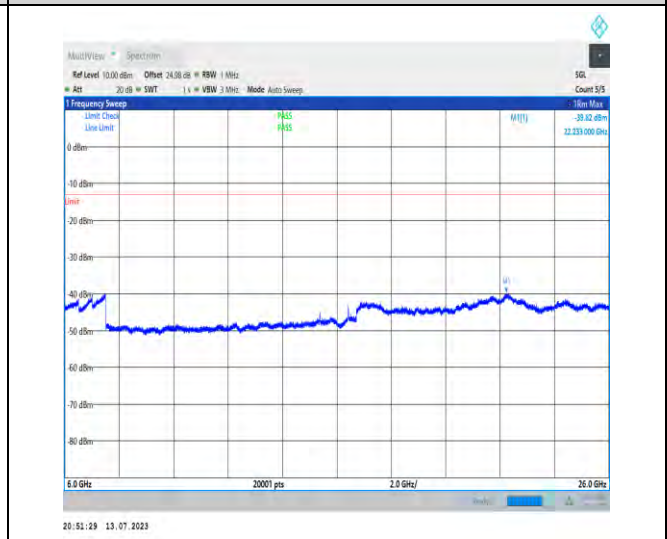
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1-N77-3450-3550-PC1.5-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2984.20--56.84--13-PASS



1-N77-3450-3550-PC1.5-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-3000-6000-Ant3-5902.35--44.32--13-PASS



1-N77-3450-3550-PC1.5-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-6000-26000-Ant3-22233.00--39.82--13-PASS



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<p>1-N77-3450-3550-PC1.5-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-26000-40000-Ant3-26000.00--45.43--13-PASS</p>	



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Field Strength of Spurious Radiation

Test Band = NR Band 77 3450-3550_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7337.1042	44.27	-45.84	36.41	-60.42	-13.00	47.42	Horizontal
2	12900.2292	38.69	-38.41	38.66	-56.32	-13.00	43.32	Horizontal
3	6910.18	43.07	-46.12	35.40	-62.90	-13.00	49.90	Horizontal
4	10365.27	38.91	-41.19	38.83	-58.71	-13.00	45.71	Horizontal
5	13820.36	36.49	-38.48	40.49	-56.77	-13.00	43.77	Horizontal
6	17275.45	35.66	-37.12	40.66	-56.06	-13.00	43.06	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7402.75	44.28	-45.58	36.57	-59.99	-13.00	46.99	Vertical
2	15084.2708	37.37	-38.22	39.94	-56.17	-13.00	43.17	Vertical
3	6910.18	43.73	-46.12	35.40	-62.24	-13.00	49.24	Vertical
4	10365.27	38.45	-41.19	38.83	-59.17	-13.00	46.17	Vertical
5	13820.36	36.63	-38.48	40.49	-56.63	-13.00	43.63	Vertical
6	17275.45	35.92	-37.12	40.66	-55.80	-13.00	42.80	Vertical



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Test Band = SA MIMO n77 3450-3550_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7236.9583	43.61	-45.66	36.17	-61.14	-13.00	48.14	Horizontal
2	8229.7917	41.89	-44.32	36.52	-61.17	-13.00	48.17	Horizontal
3	9287.3125	41.50	-42.94	37.86	-58.85	-13.00	45.85	Horizontal
4	10800.5208	38.62	-40.45	39.22	-57.87	-13.00	44.87	Horizontal
5	12915.5625	36.99	-38.48	38.65	-58.10	-13.00	45.10	Horizontal
6	14784.7917	35.37	-37.64	40.27	-57.25	-13.00	44.25	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7335.1875	43.34	-45.85	36.40	-61.37	-13.00	48.37	Vertical
2	7834.4792	42.69	-44.92	36.40	-61.10	-13.00	48.10	Vertical
3	8852.7083	41.82	-43.70	37.39	-59.74	-13.00	46.74	Vertical
4	9884.8333	40.18	-41.84	38.40	-58.53	-13.00	45.53	Vertical
5	11331.9167	38.49	-40.21	39.33	-57.65	-13.00	44.65	Vertical
6	13726.7917	36.57	-38.10	40.27	-56.52	-13.00	43.52	Vertical



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Test Band = NSA 2A_N77A 3450-3550_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7138.25	43.69	-45.86	35.93	-61.50	-13.00	48.50	Horizontal
2	8333.7708	42.28	-44.49	36.67	-60.81	-13.00	47.81	Horizontal
3	9275.3333	41.99	-42.95	37.85	-58.37	-13.00	45.37	Horizontal
4	11774.6667	38.00	-39.40	39.25	-57.42	-13.00	44.42	Horizontal
5	13365.0208	37.73	-38.86	39.44	-56.95	-13.00	43.95	Horizontal
6	14633.375	38.02	-38.14	40.39	-54.99	-13.00	41.99	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7390.2917	43.74	-45.60	36.54	-60.59	-13.00	47.59	Vertical
2	8319.3958	42.49	-44.52	36.65	-60.64	-13.00	47.64	Vertical
3	9265.2708	41.61	-42.95	37.84	-58.76	-13.00	45.76	Vertical
4	11381.75	38.78	-39.85	39.32	-57.00	-13.00	44.00	Vertical
5	12994.1458	38.52	-38.83	38.60	-56.97	-13.00	43.97	Vertical
6	14652.5417	37.62	-38.15	40.38	-55.41	-13.00	42.41	Vertical



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Test Band = NSA 13A_N77A 3450-3550_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7698.3958	43.24	-45.14	36.56	-60.59	-13.00	47.59	Horizontal
2	9003.6458	41.61	-43.61	37.60	-59.66	-13.00	46.66	Horizontal
3	9747.7917	40.19	-42.15	38.27	-58.95	-13.00	45.95	Horizontal
4	11552.3333	38.48	-39.63	39.29	-57.13	-13.00	44.13	Horizontal
5	13059.3125	37.78	-38.62	38.74	-57.36	-13.00	44.36	Horizontal
6	14175.2917	37.73	-38.30	40.76	-55.07	-13.00	42.07	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8154.0833	41.56	-44.32	36.42	-61.60	-13.00	48.60	Vertical
2	9119.125	41.24	-43.07	37.71	-59.38	-13.00	46.38	Vertical
3	9875.7292	40.50	-41.87	38.39	-58.24	-13.00	45.24	Vertical
4	11636.1875	38.17	-39.46	39.27	-57.28	-13.00	44.28	Vertical
5	13415.3333	38.67	-39.03	39.56	-56.06	-13.00	43.06	Vertical
6	15295.1042	37.56	-38.12	39.54	-56.28	-13.00	43.28	Vertical



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Test Band = NSA 48A_N77A 3450-3550_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7698.875	43.48	-45.14	36.56	-60.36	-13.00	47.36	Horizontal
2	8805.2708	42.00	-43.84	37.33	-59.78	-13.00	46.78	Horizontal
3	10225.5208	40.02	-41.82	38.70	-58.36	-13.00	45.36	Horizontal
4	11449.7917	38.80	-39.90	39.31	-57.05	-13.00	44.05	Horizontal
5	13888.75	37.48	-38.36	40.64	-55.50	-13.00	42.50	Horizontal
6	15658.7917	38.00	-37.89	38.85	-56.30	-13.00	43.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7977.2708	42.10	-44.43	36.23	-61.36	-13.00	48.36	Vertical
2	8836.4167	42.41	-43.75	37.37	-59.23	-13.00	46.23	Vertical
3	9580.0833	40.49	-41.91	38.12	-58.56	-13.00	45.56	Vertical
4	11332.875	38.61	-40.21	39.33	-57.52	-13.00	44.52	Vertical
5	12419.625	37.23	-38.41	38.95	-57.49	-13.00	44.49	Vertical
6	14250.5208	37.12	-38.47	40.70	-55.91	-13.00	42.91	Vertical



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Test Band = NR N2A_N77A 3450-3550_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7811.9583	43.31	-44.91	36.43	-60.43	-13.00	47.43	Horizontal
2	9308.875	41.87	-42.93	37.88	-58.44	-13.00	45.44	Horizontal
3	11099.5208	38.40	-40.11	39.38	-57.59	-13.00	44.59	Horizontal
4	12385.6042	37.15	-38.46	38.97	-57.60	-13.00	44.60	Horizontal
5	14175.2917	36.95	-38.30	40.76	-55.85	-13.00	42.85	Horizontal
6	16572.5625	36.89	-37.42	38.60	-57.19	-13.00	44.19	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8193.375	41.63	-44.23	36.47	-61.39	-13.00	48.39	Vertical
2	9298.8125	41.69	-42.94	37.87	-58.64	-13.00	45.64	Vertical
3	11990.2917	37.61	-38.69	39.20	-57.14	-13.00	44.14	Vertical
4	13724.875	37.78	-38.09	40.27	-55.30	-13.00	42.30	Vertical
5	15662.1458	36.64	-37.89	38.84	-57.66	-13.00	44.66	Vertical
6	17459.0208	36.51	-36.57	41.84	-53.48	-13.00	40.48	Vertical



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Test Band = NR N5A_N77A 3450-3550_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7973.9167	42.79	-44.45	36.23	-60.69	-13.00	47.69	Horizontal
2	8987.8333	42.07	-43.62	37.58	-59.23	-13.00	46.23	Horizontal
3	9881	41.09	-41.85	38.39	-57.63	-13.00	44.63	Horizontal
4	12076.0625	38.56	-39.20	39.15	-56.74	-13.00	43.74	Horizontal
5	13959.1875	37.87	-38.81	40.81	-55.40	-13.00	42.40	Horizontal
6	15871.0625	37.41	-37.93	38.44	-57.33	-13.00	44.33	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7684.5	43.69	-45.10	36.58	-60.09	-13.00	47.09	Vertical
2	8916.9167	41.96	-43.56	37.48	-59.38	-13.00	46.38	Vertical
3	11604.5625	38.41	-39.25	39.28	-56.82	-13.00	43.82	Vertical
4	13717.6875	37.77	-38.05	40.25	-55.29	-13.00	42.29	Vertical
5	15595.5417	37.37	-37.92	38.97	-56.84	-13.00	43.84	Vertical
6	17506.9375	36.52	-36.16	42.14	-52.76	-13.00	39.76	Vertical



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Test Band = NR N66A_N77A 3450-3550_TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7985.4167	42.95	-44.37	36.22	-60.46	-13.00	47.46	Horizontal
2	9067.375	41.27	-43.27	37.66	-59.60	-13.00	46.60	Horizontal
3	10792.375	39.64	-40.48	39.21	-56.88	-13.00	43.88	Horizontal
4	11401.3958	38.60	-39.72	39.32	-57.06	-13.00	44.06	Horizontal
5	13955.3542	37.91	-38.78	40.80	-55.34	-13.00	42.34	Horizontal
6	15408.1875	37.19	-37.86	39.32	-56.61	-13.00	43.61	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7682.1042	43.65	-45.09	36.58	-60.12	-13.00	47.12	Vertical
2	9379.7917	41.37	-42.84	37.94	-58.78	-13.00	45.78	Vertical
3	10983.5625	39.21	-40.46	39.39	-57.13	-13.00	44.13	Vertical
4	13302.7292	37.51	-38.53	39.30	-56.99	-13.00	43.99	Vertical
5	14822.1667	37.86	-37.73	40.24	-54.89	-13.00	41.89	Vertical
6	15256.7708	37.22	-37.92	39.61	-56.34	-13.00	43.34	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-2.600000	-0.000653	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	4.200000	0.002651	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	5.400000	0.004126	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	-6.100000	-0.002365	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	1.200000	0.000237	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	1.200000	0.000326	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-4.100000	-0.002326	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	1.500000	0.000634	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	2.200000	0.000532	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-4.100000	-0.003241	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.500000	-0.002353	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.600000	-0.002653	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-4.100000	-0.002541	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	4.200000	0.002351	PASS
N77-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-4.200000	-0.002653	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	-0.900000	-0.000634	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	-7.100000	-0.003526	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	2.500000	0.000561	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	-0.600000	-0.000338	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	0.900000	0.000426	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	3.500000	0.000634	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	0.700000	0.000659	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	40	-0.400000	-0.000231	PASS
N77-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	-7.200000	-0.002342	PASS

---End of Attachment---



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