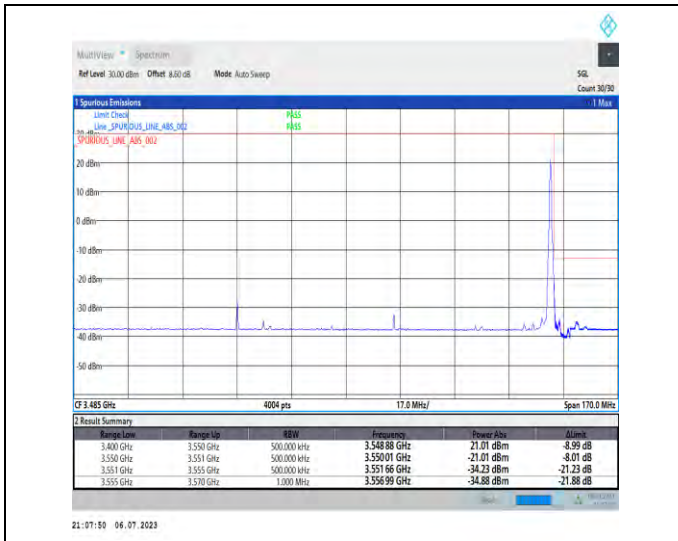


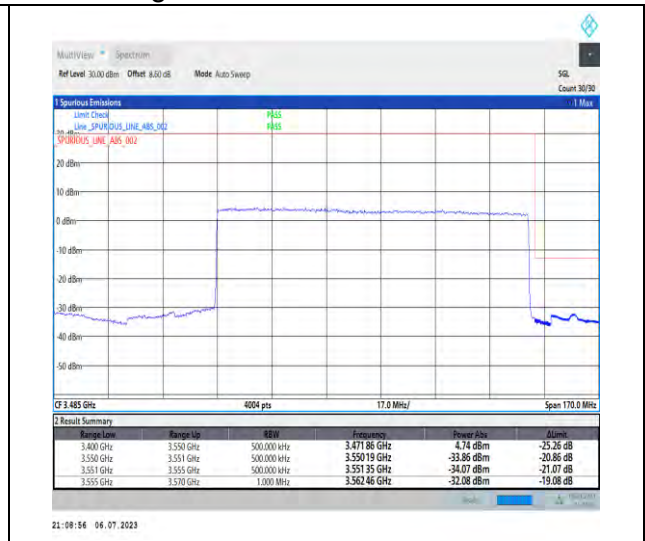
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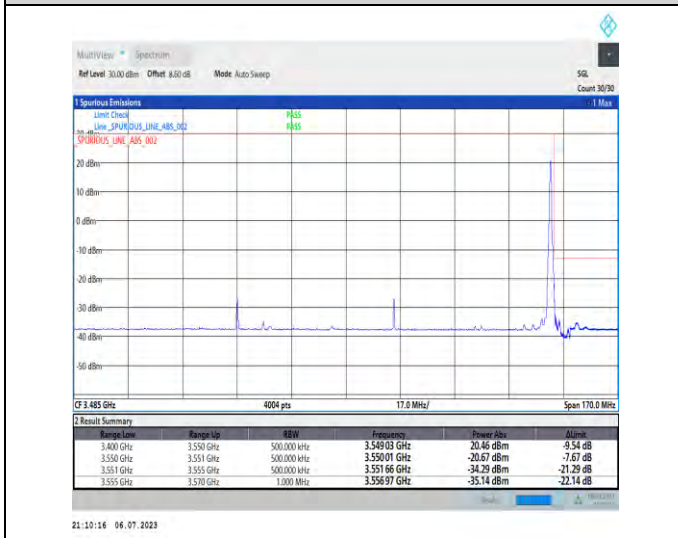
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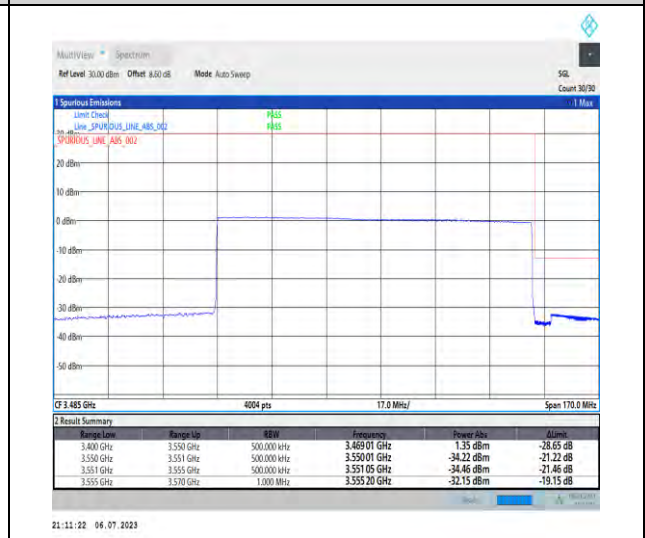
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dge_1RB_Right-1@272-Ant3-1--PASS-see graph



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
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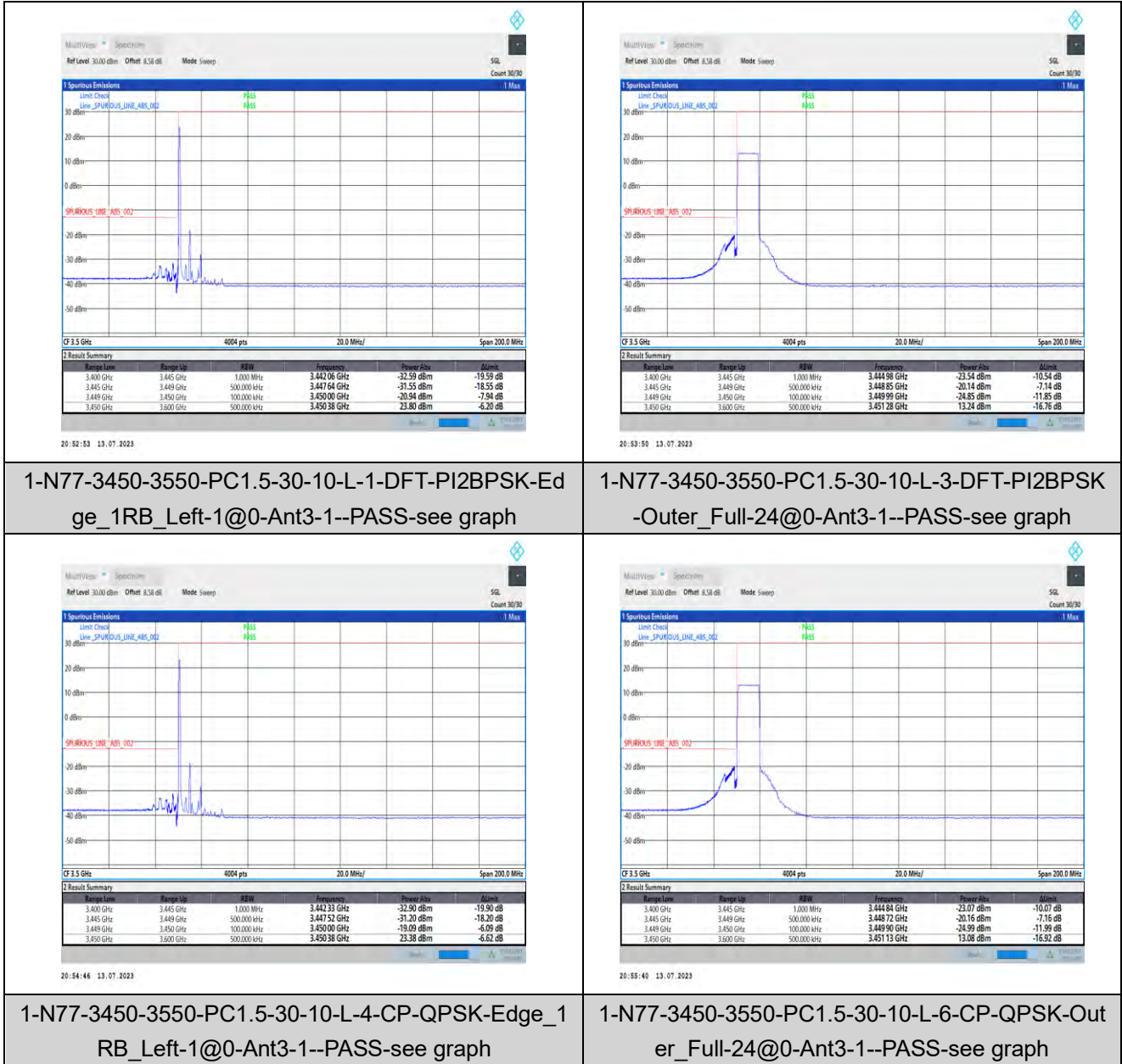


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Band Edge for MIMO ANT3

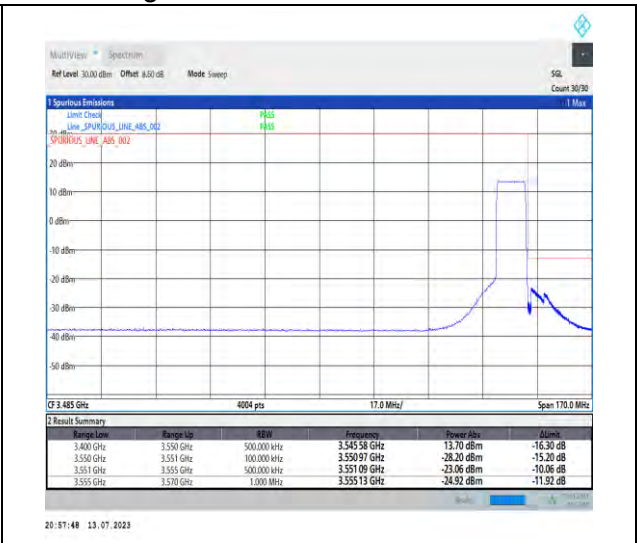
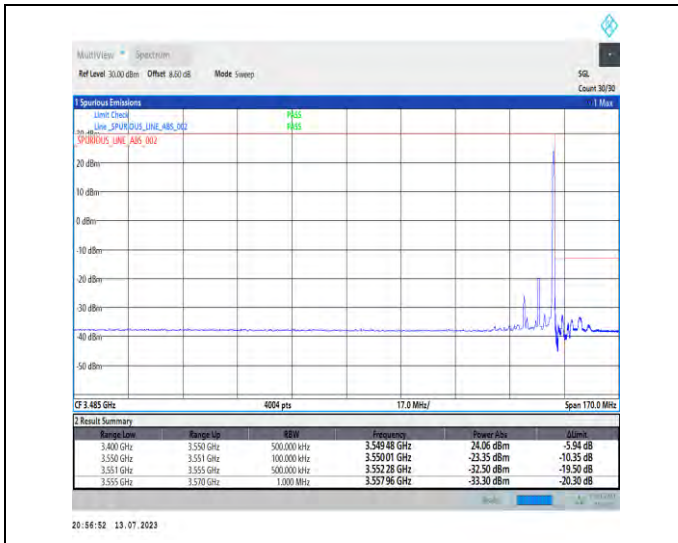
Test Graphs



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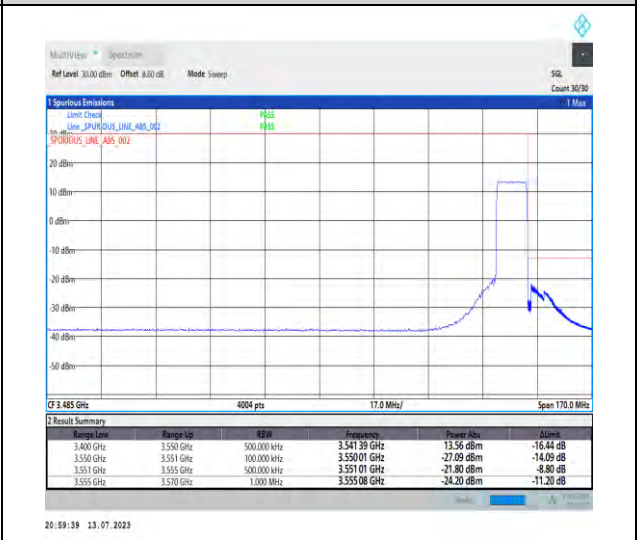
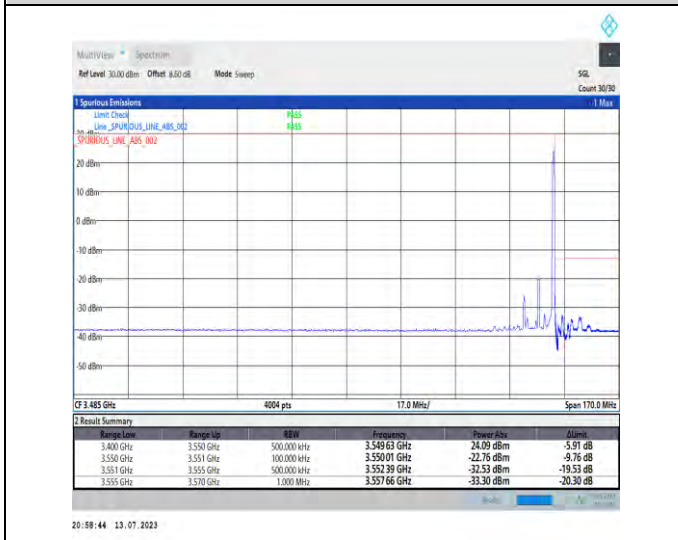
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1-N77-3450-3550-PC1.5-30-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@23-Ant3-1--PASS-see graph

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

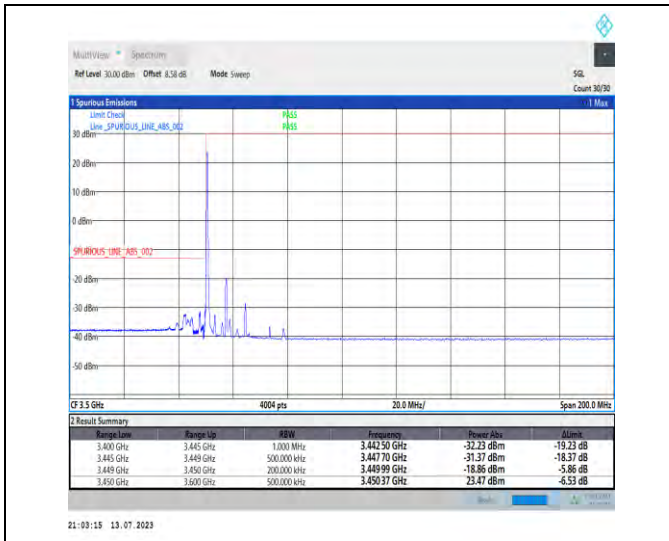


1-N77-3450-3550-PC1.5-30-10-H-5-CP-QPSK-Edge_1RB_Right-1@23-Ant3-1--PASS-see graph

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

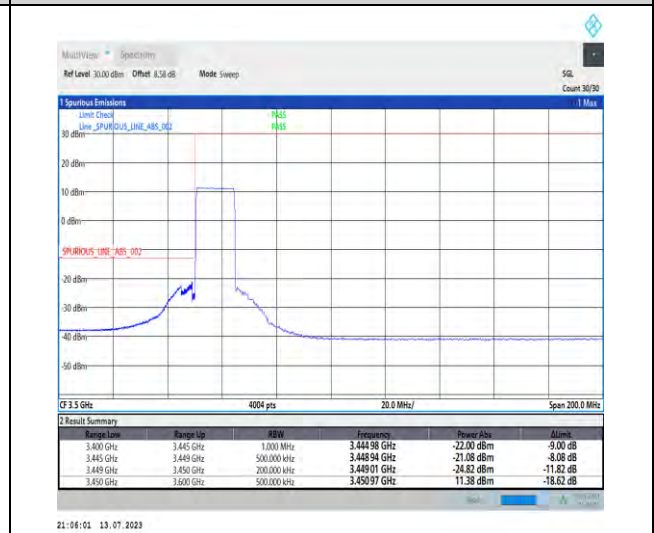
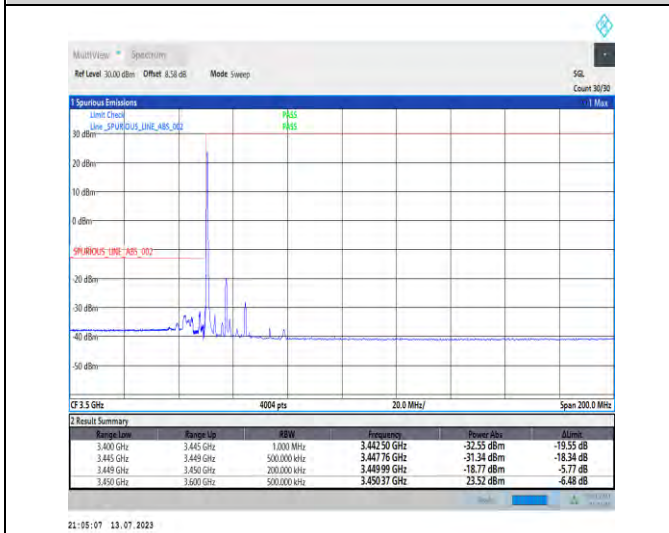


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1-N77-3450-3550-PC1.5-30-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-PASS-see graph

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

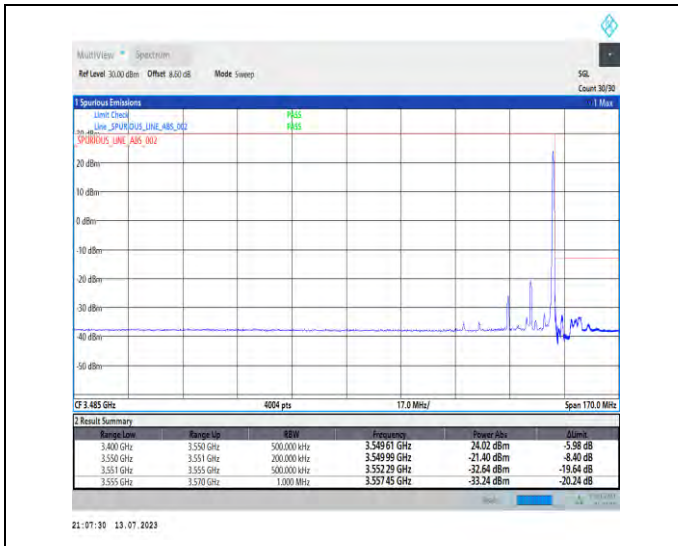
1-N77-3450-3550-PC1.5-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant3-1-PASS-see graph



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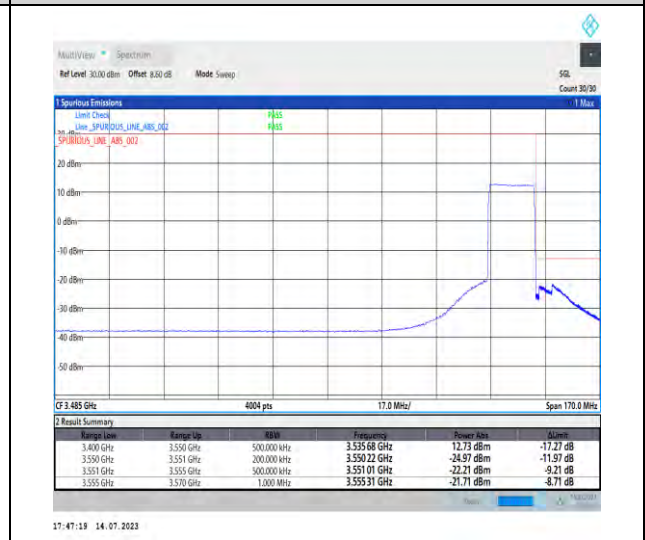
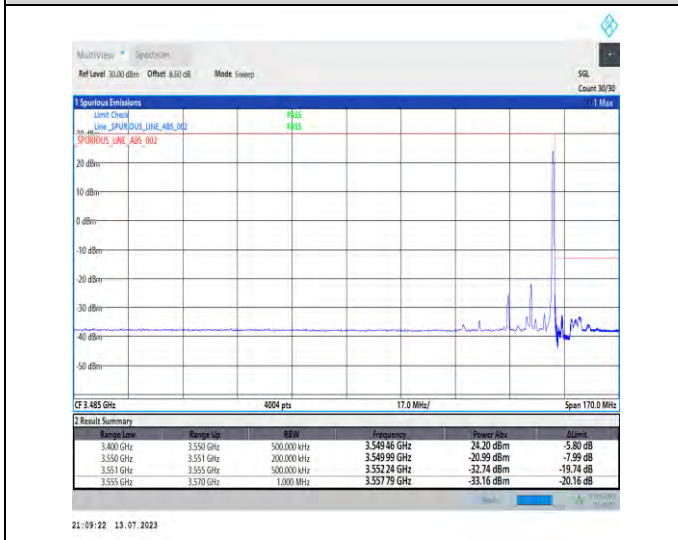
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1-N77-3450-3550-PC1.5-30-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@37-Ant3-1--PASS-see graph

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



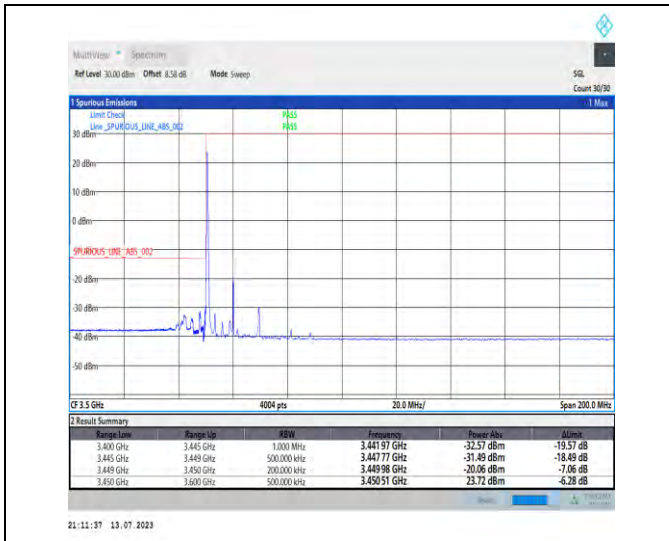
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1-N77-3450-3550-PC1.5-30-15-H-6-CP-QPSK-Outer_Full-38@0-Ant3-1--PASS-see graph



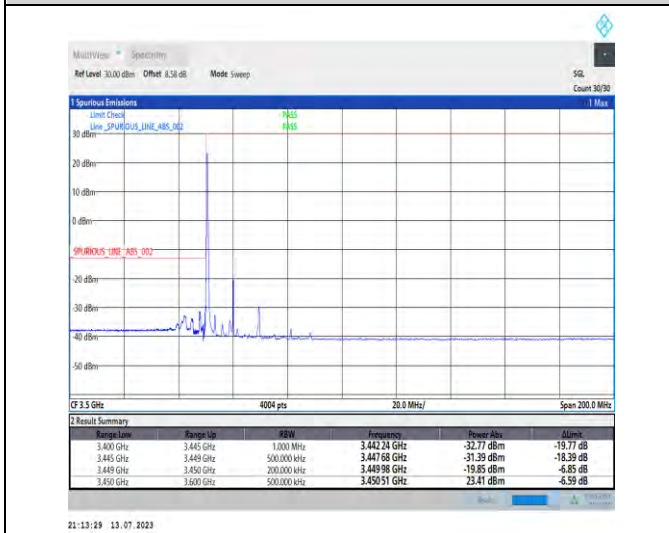
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1-N77-3450-3550-PC1.5-30-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

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



1-N77-3450-3550-PC1.5-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

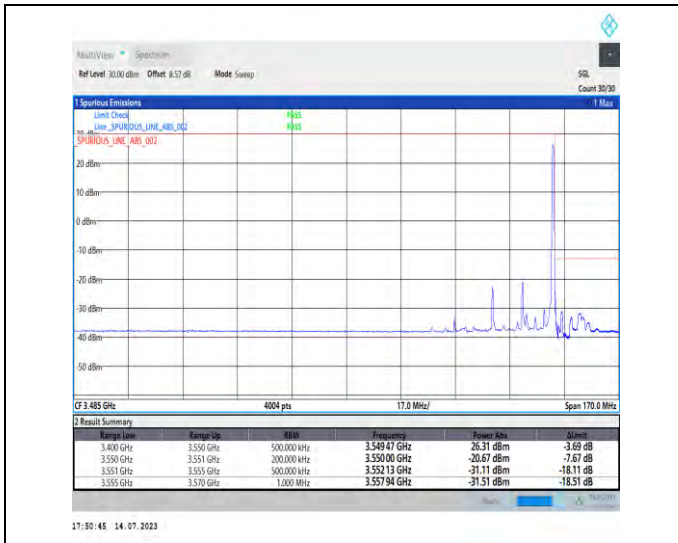
1-N77-3450-3550-PC1.5-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant3-1--PASS-see graph



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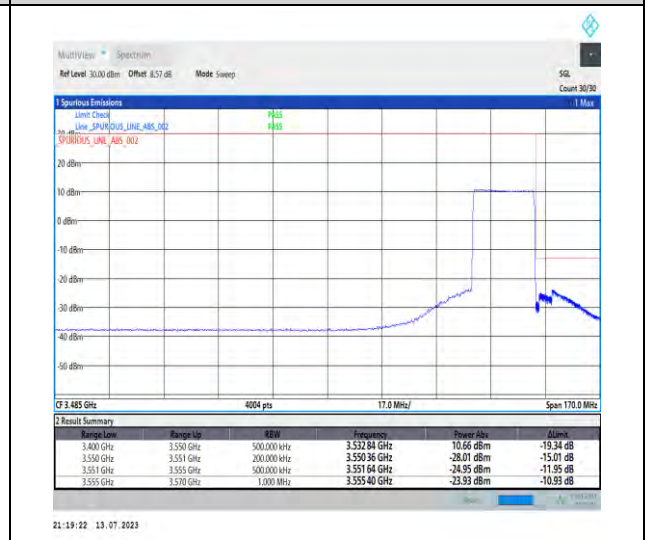
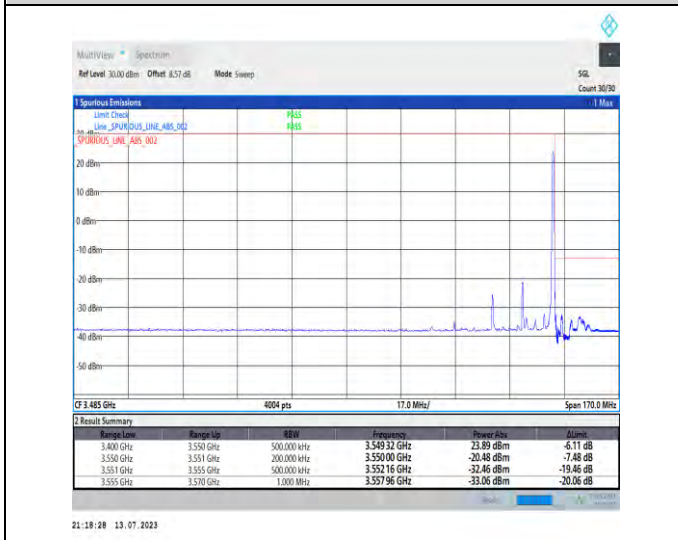
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1-N77-3450-3550-PC1.5-30-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@50-Ant3-1--PASS-see graph

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



1-N77-3450-3550-PC1.5-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant3-1--PASS-see graph

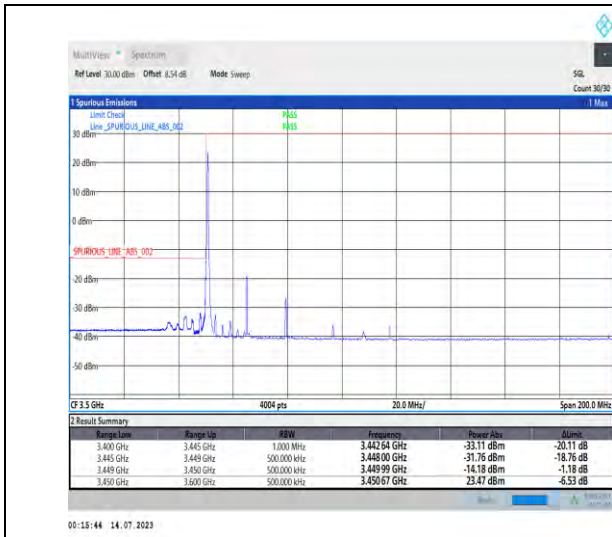
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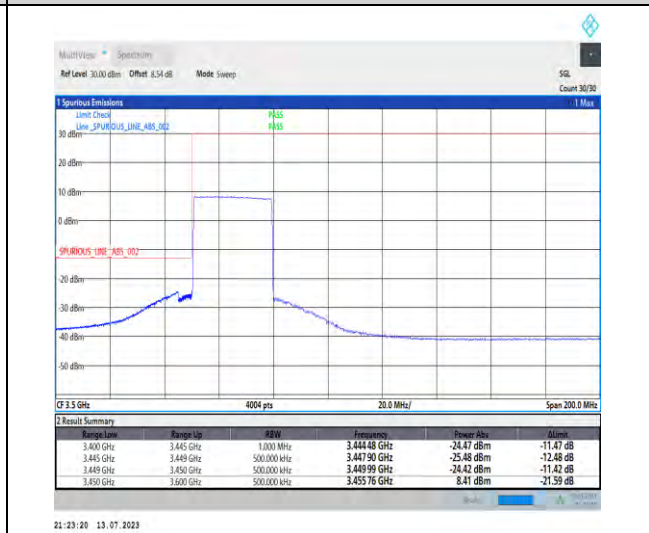
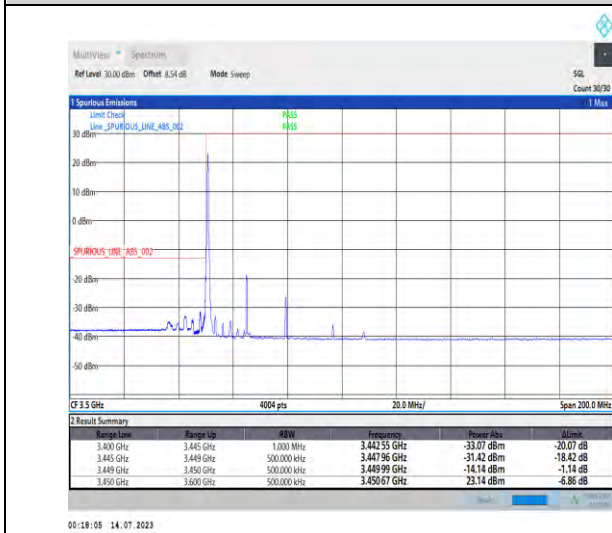
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1-N77-3450-3550-PC1.5-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph

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



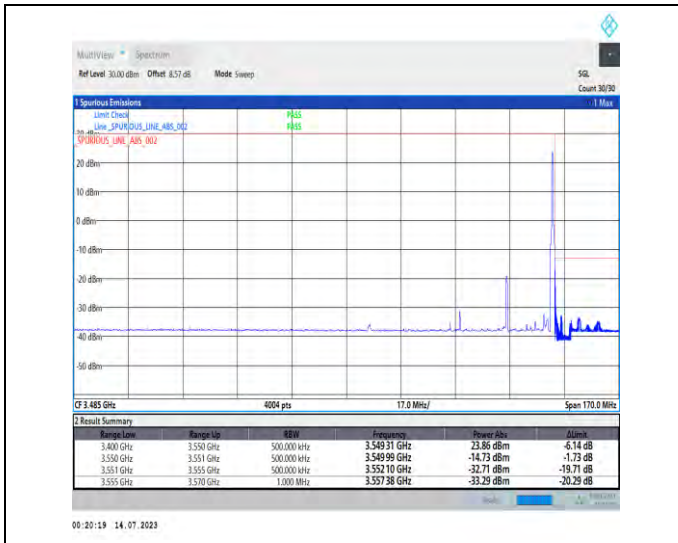
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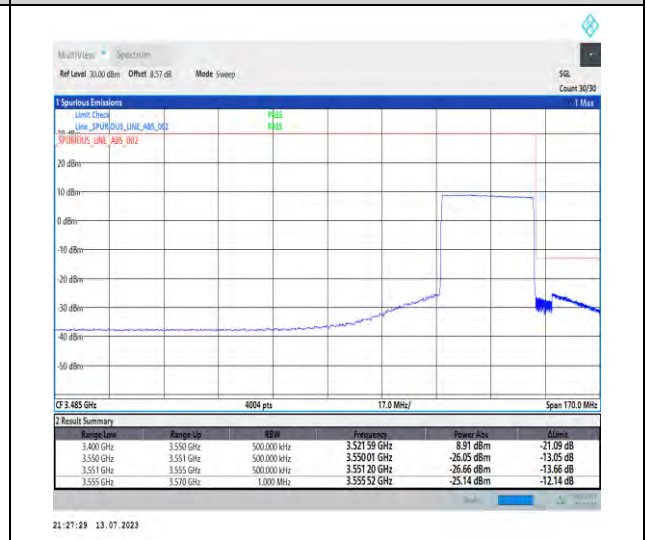
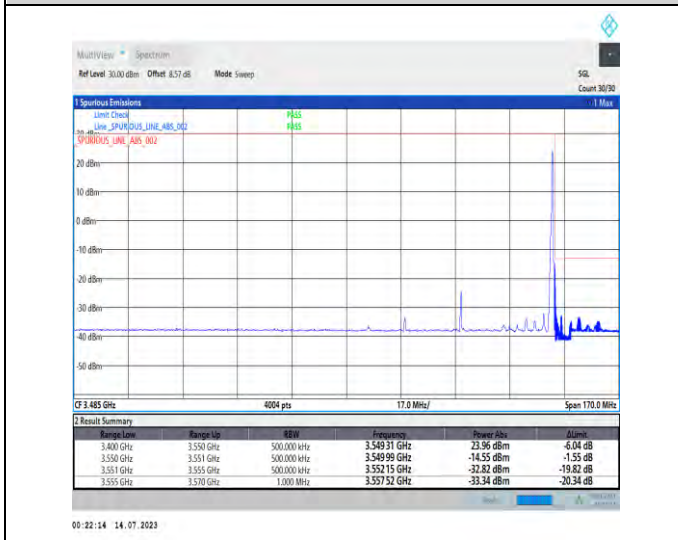
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1-N77-3450-3550-PC1.5-30-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@77-Ant3-1--PASS-see graph

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

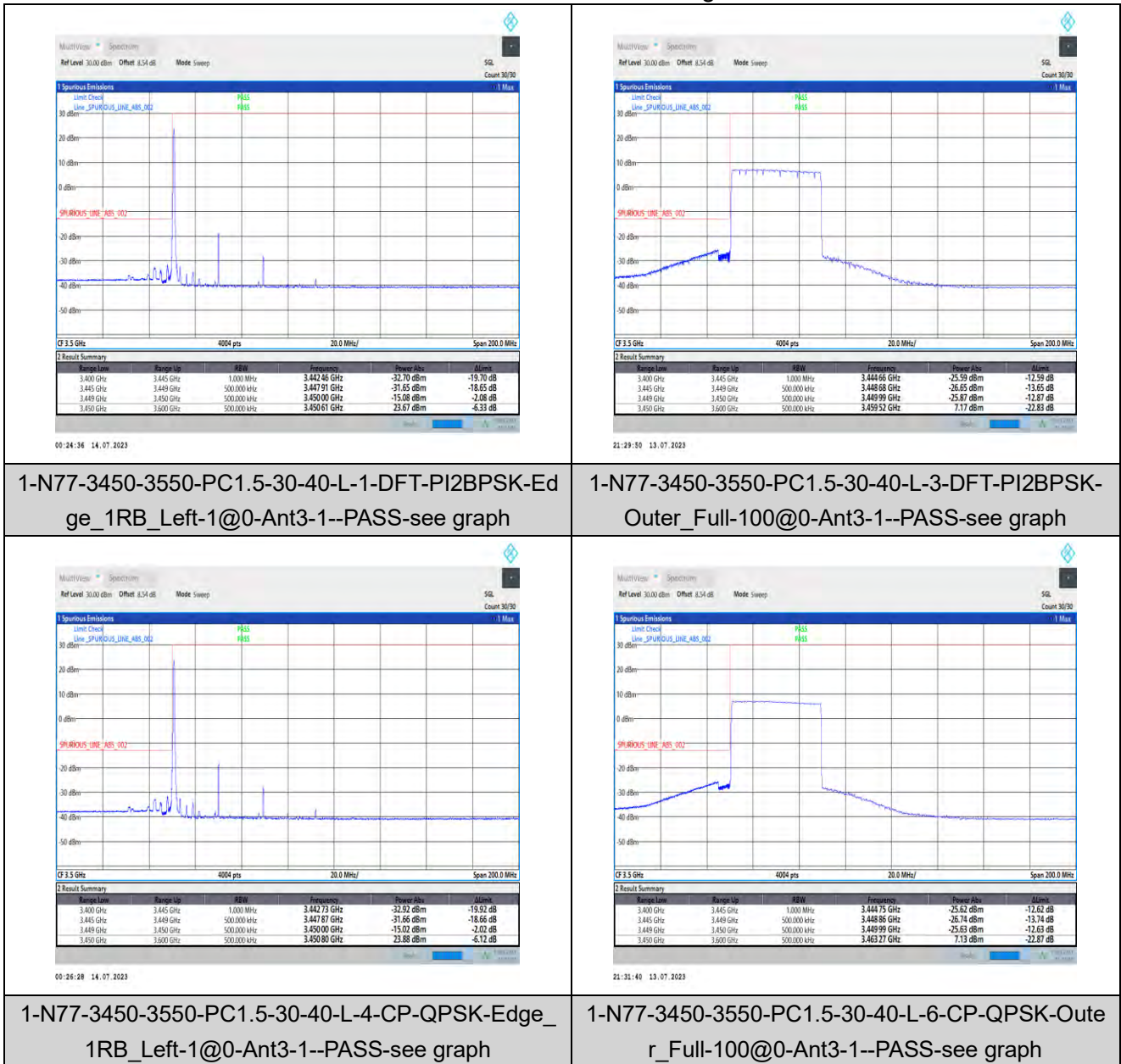


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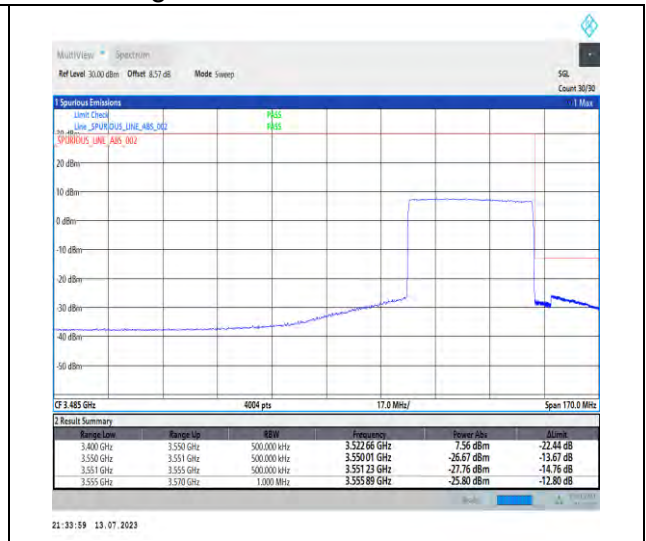
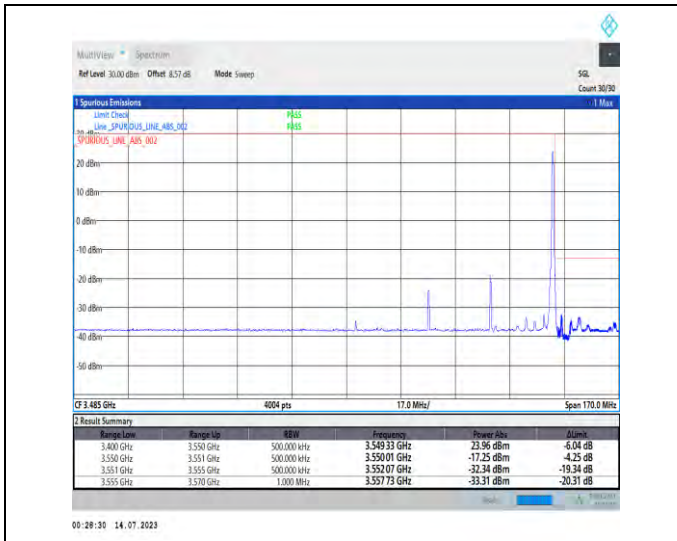
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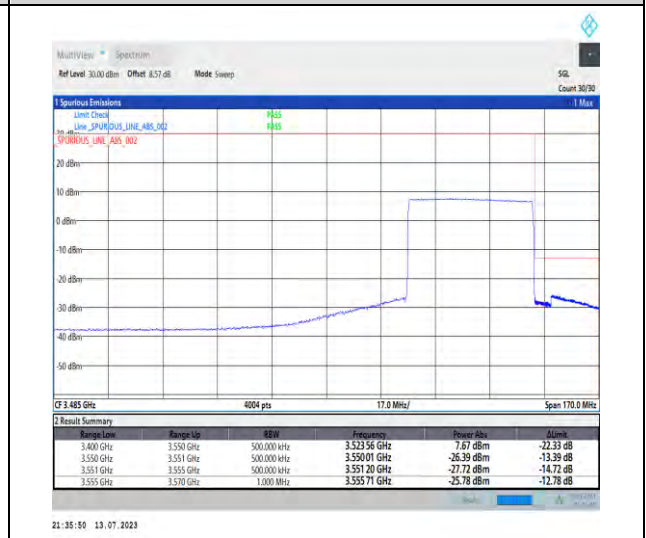
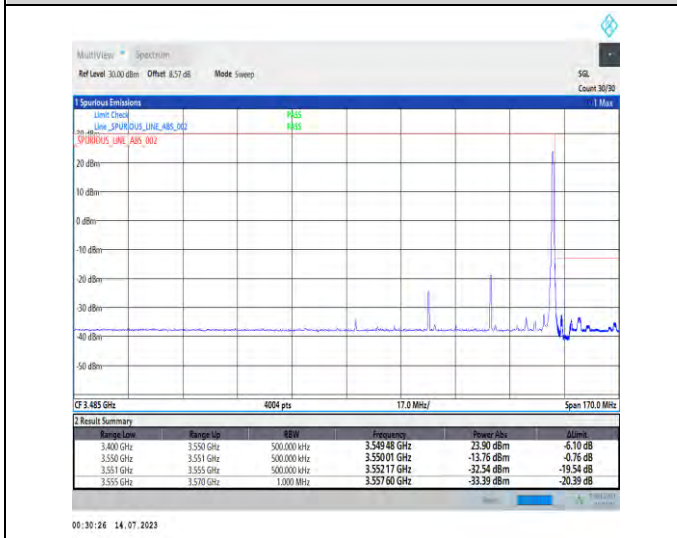
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1-N77-3450-3550-PC1.5-30-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant3-1--PASS-see graph

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

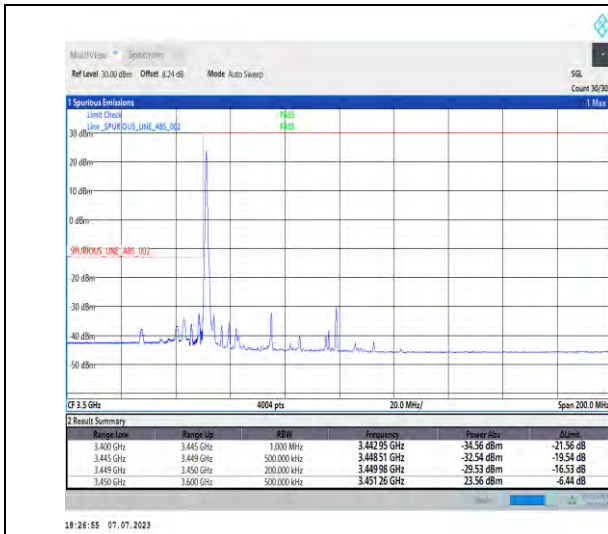


1-N77-3450-3550-PC1.5-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant3-1--PASS-see graph

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



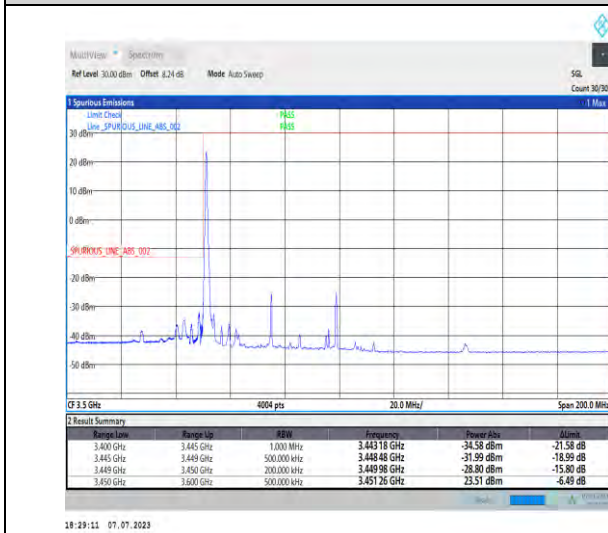
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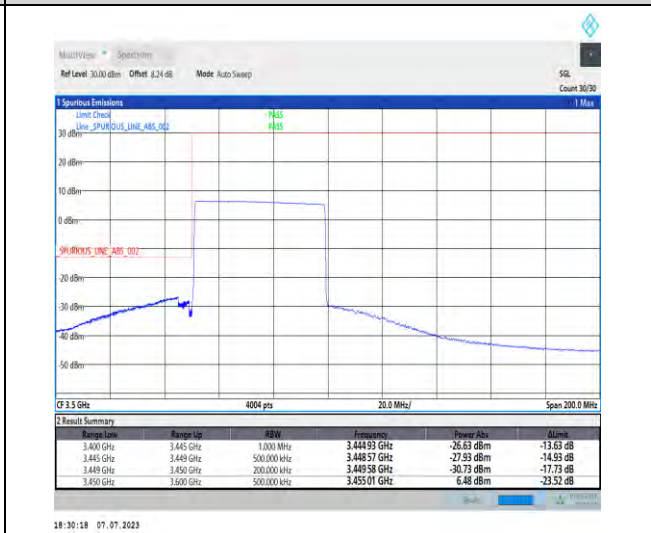
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1-N77-3450-3550-PC1.5-30-50-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant3-1--PASS-see graph



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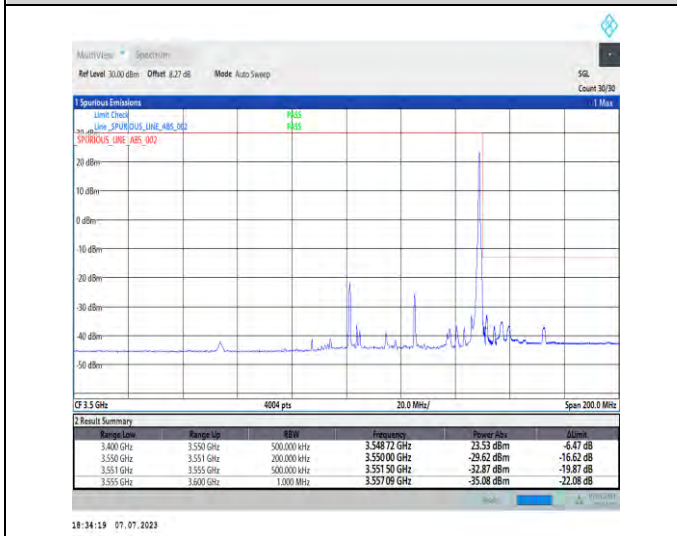
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1-N77-3450-3550-PC1.5-30-50-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant3-1--PASS-see graph



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



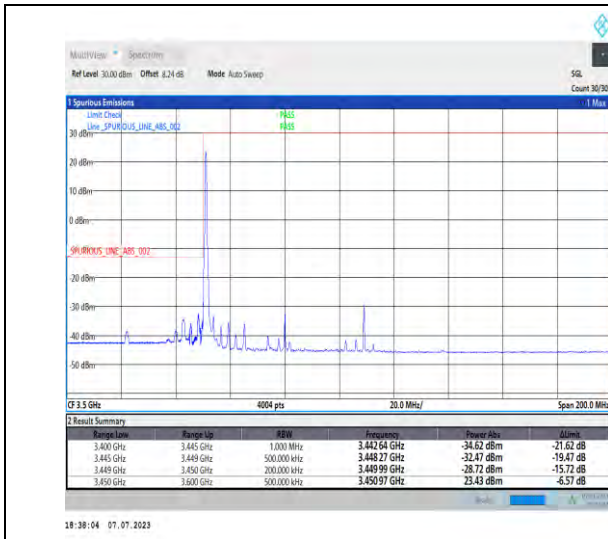
1-N77-3450-3550-PC1.5-30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant3-1--PASS-see graph



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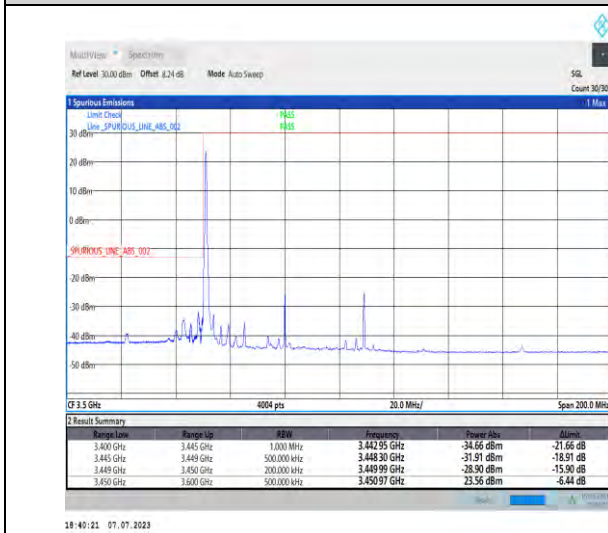
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1-N77-3450-3550-PC1.5-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1--PASS-see graph



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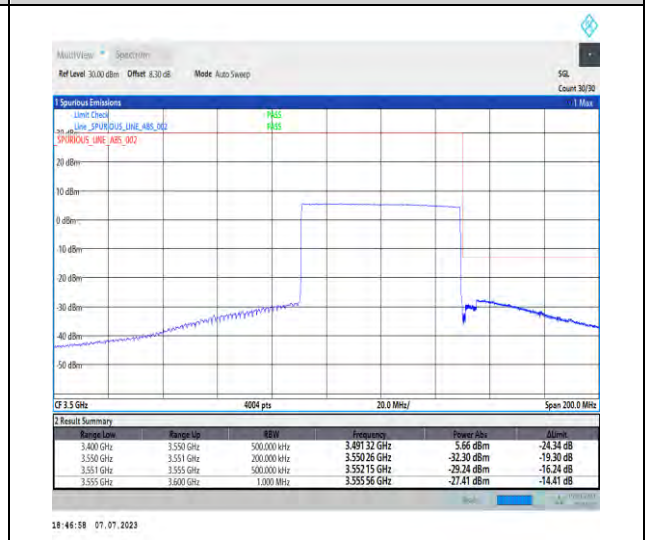
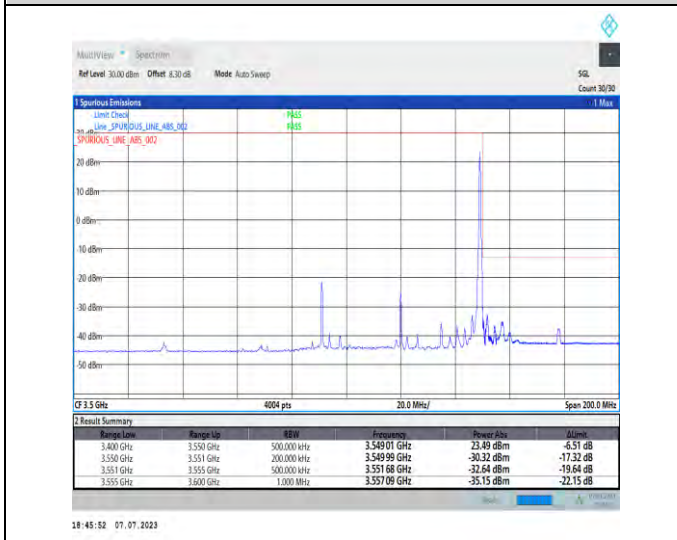
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1-N77-3450-3550-PC1.5-30-60-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@161-Ant3-1--PASS-see graph

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



1-N77-3450-3550-PC1.5-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant3-1--PASS-see graph

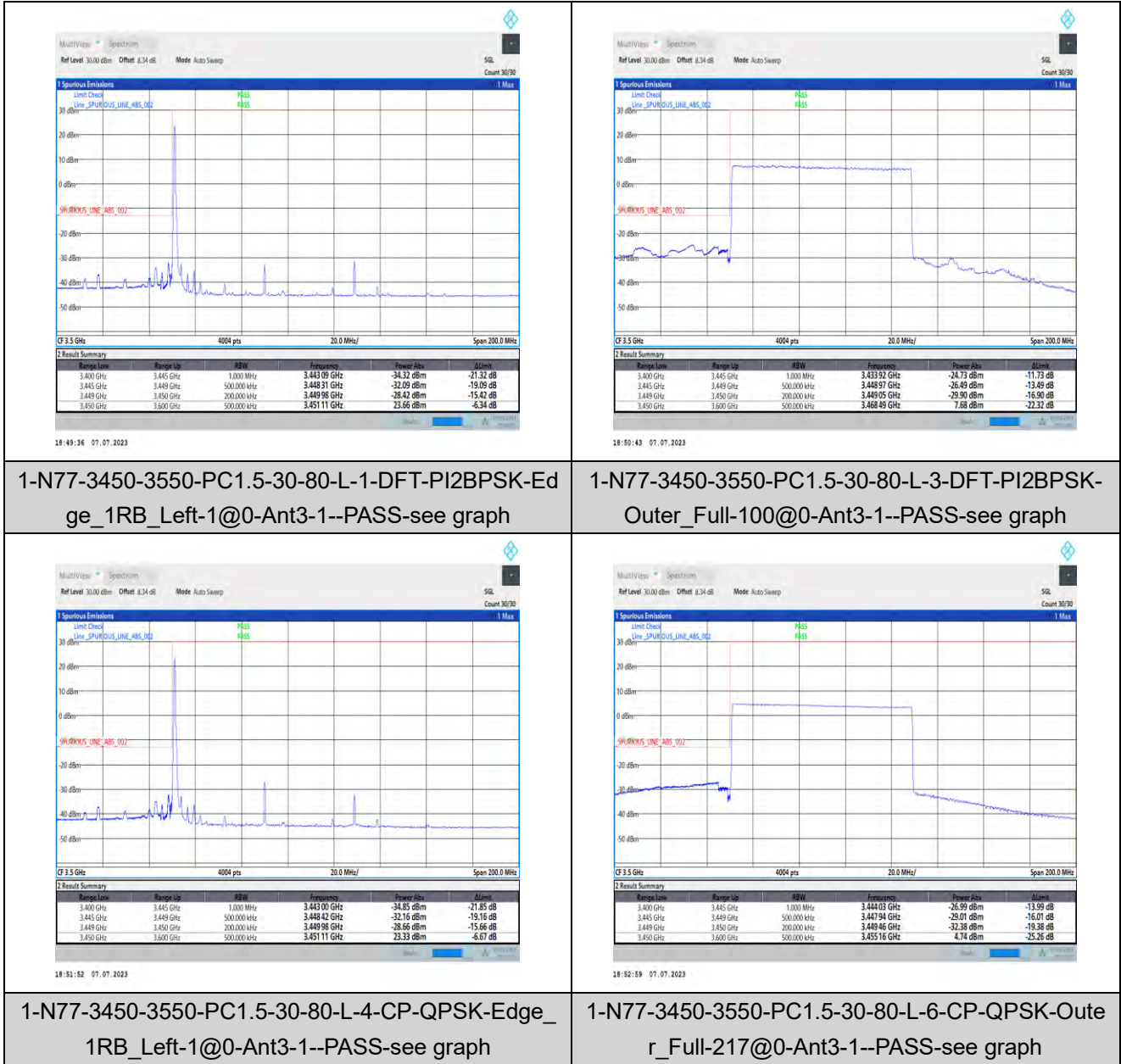
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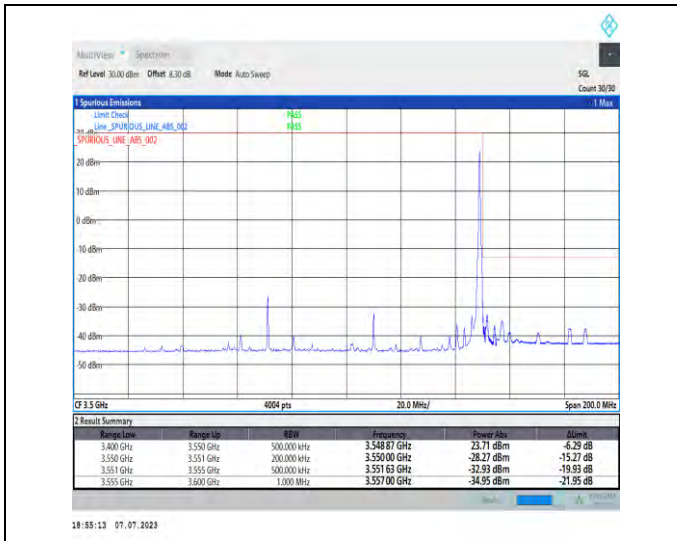
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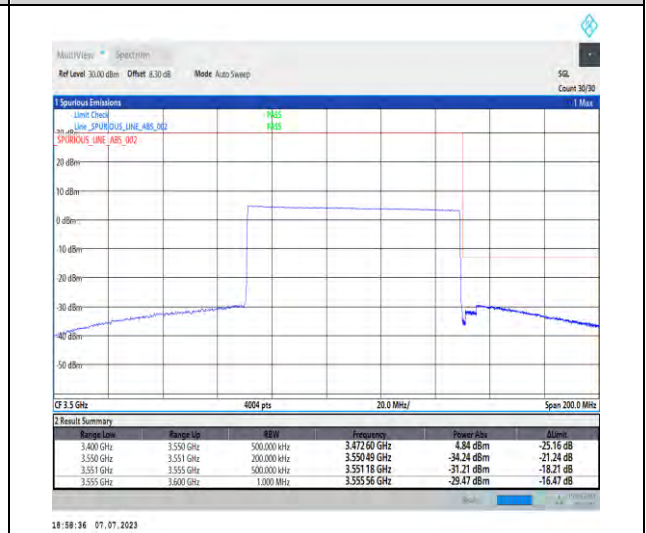
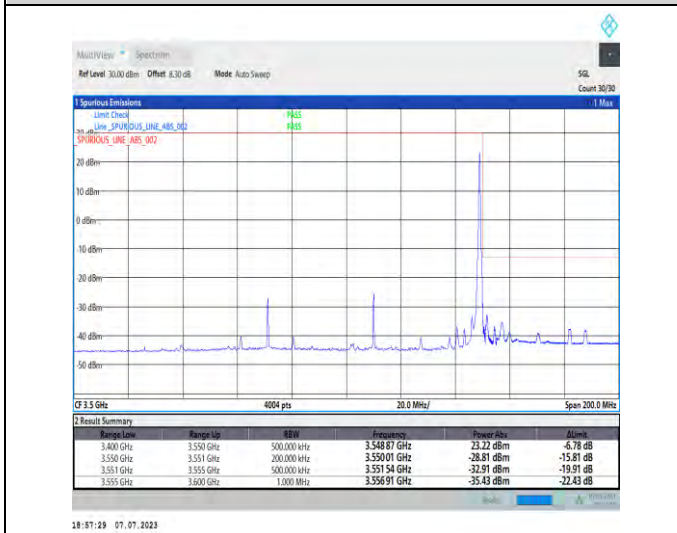
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1-N77-3450-3550-PC1.5-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant3-1--PASS-see graph

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



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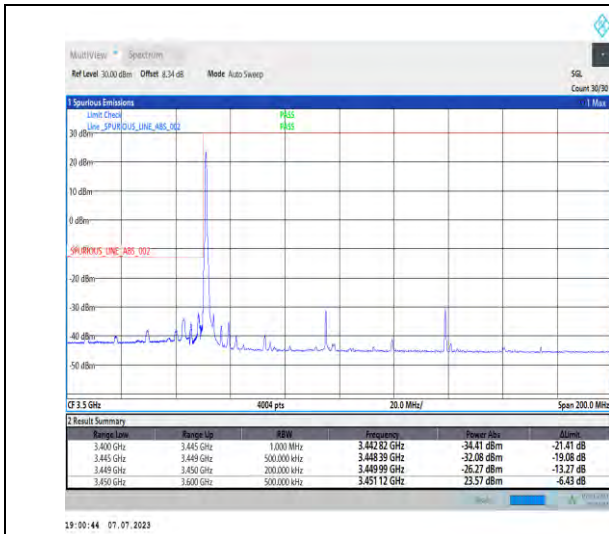
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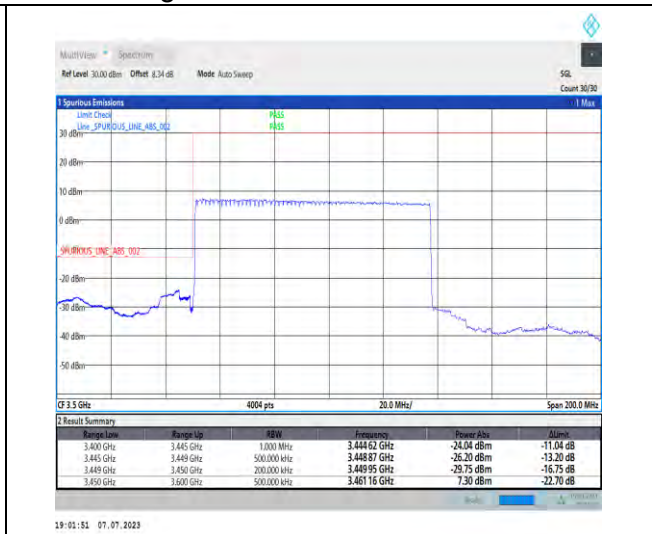
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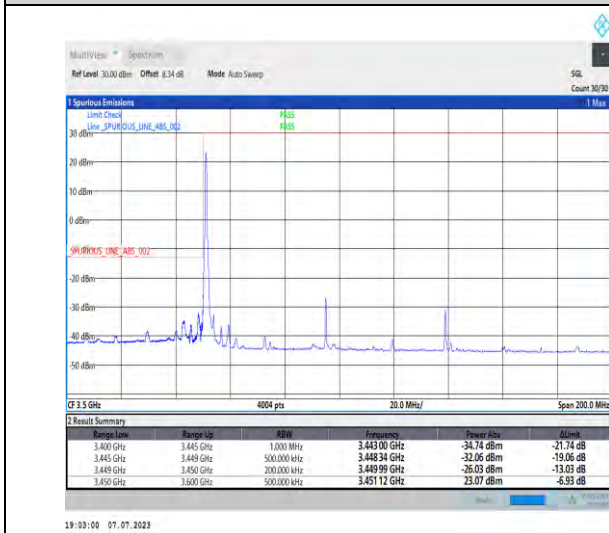
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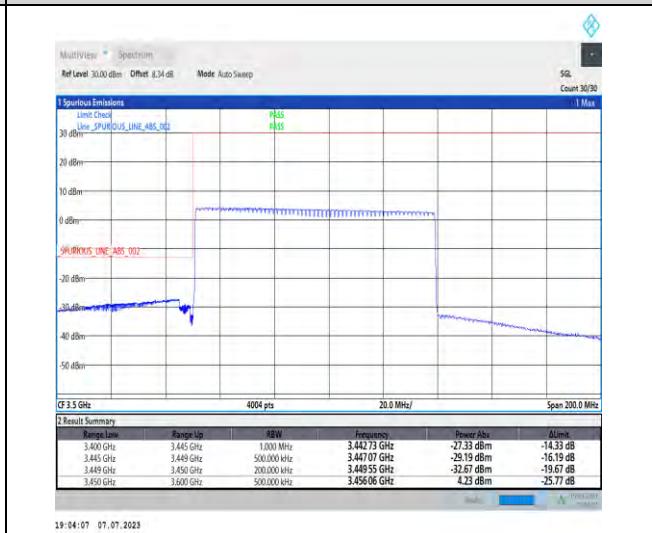
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1-N77-3450-3550-PC1.5-30-90-L-3-DFT-PI2BPSK-Outer_Full-240@0-Ant3-1--PASS-see graph



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



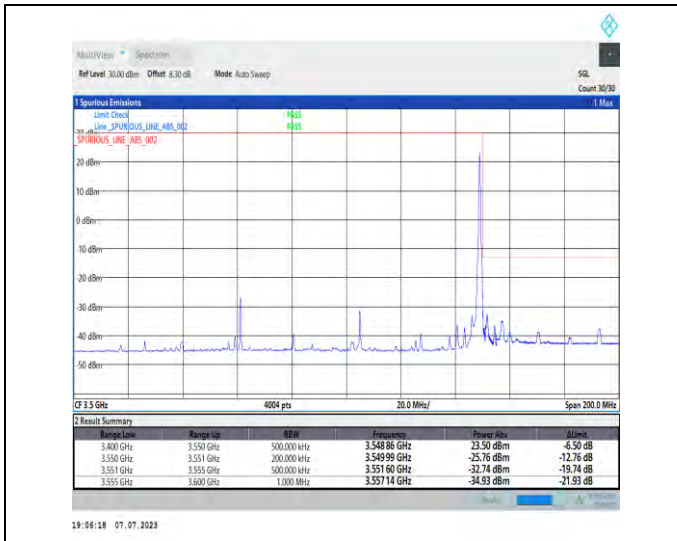
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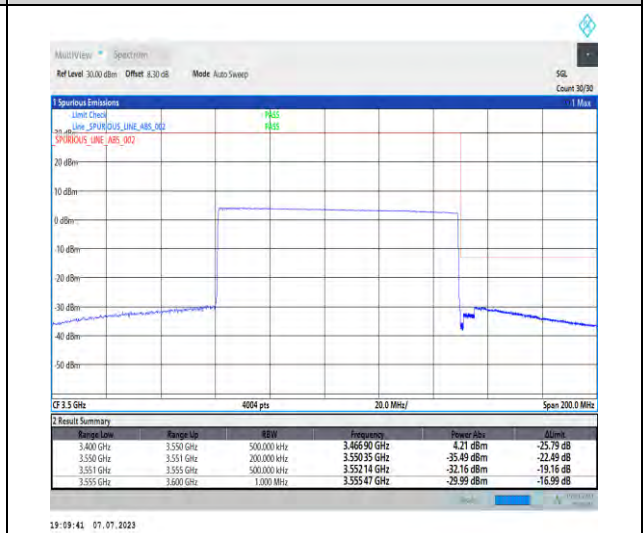
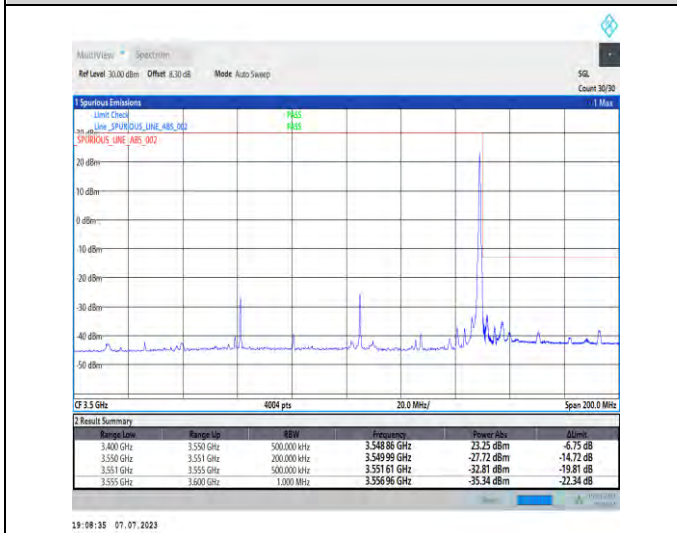
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1-N77-3450-3550-PC1.5-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant3-1--PASS-see graph

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

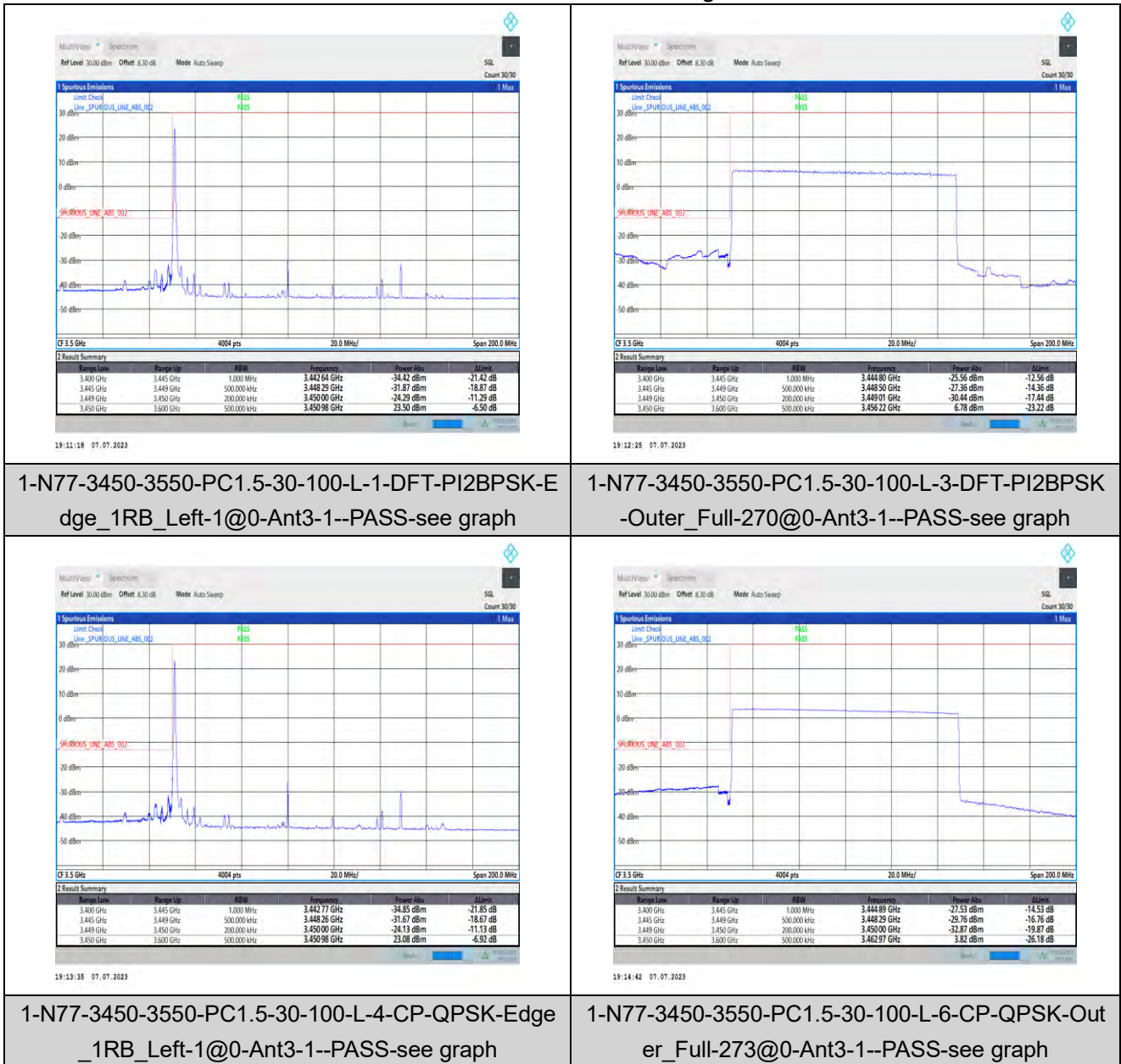
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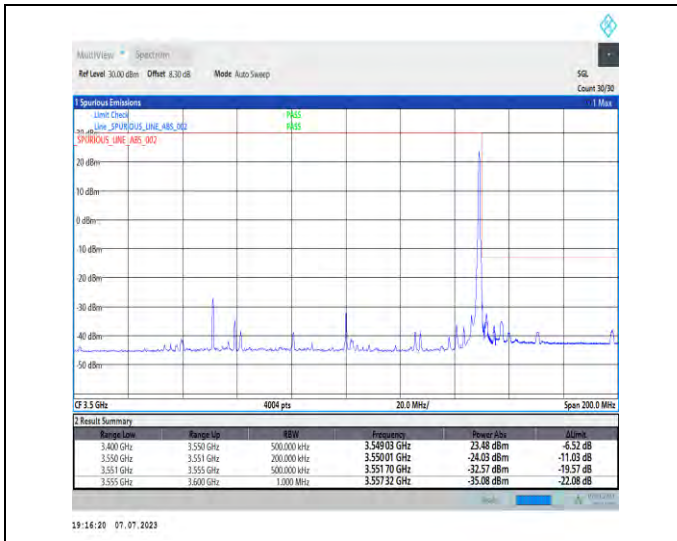
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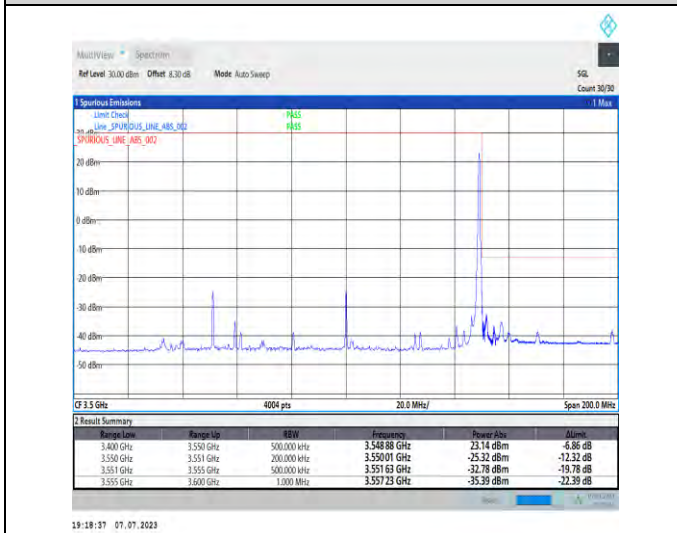
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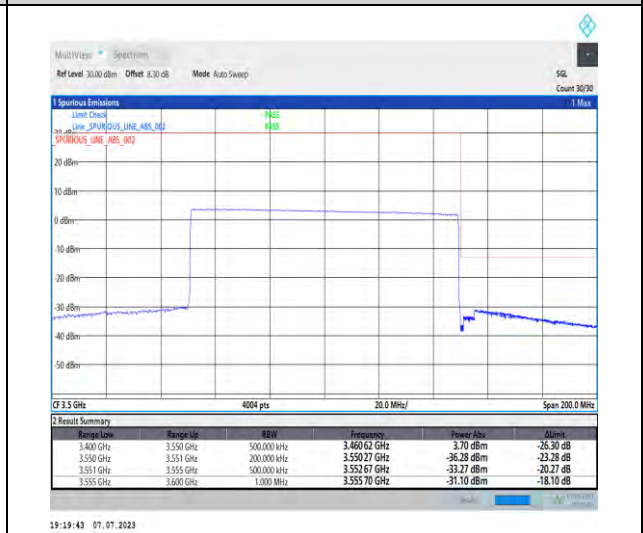
1-N77-3450-3550-PC1.5-30-100-H-2-DFT-PI2BPSK-E
dge_1RB_Right-1@272-Ant3-1--PASS-see graph



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

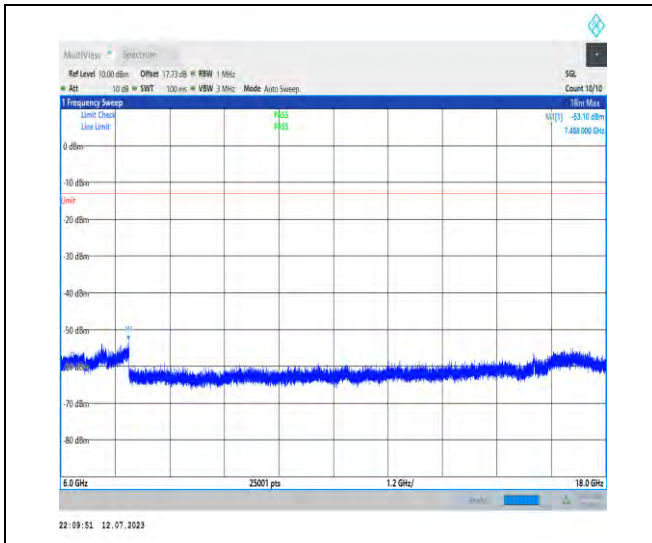
<p>1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-0.009-0.30-Ant3-0.14--80.16-- 43-PASS</p>	<p>1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK-I nner_1RB_Left-1@1-0.30-30-Ant3-0.30--85.82--33-P ASS</p>
<p>1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK- Inner_1RB_Left-1@1-30-1000-Ant3-66.38--69.11--1 3-PASS</p>	<p>1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK-I nner_1RB_Left-1@1-1000-6000-Ant3-5355.00--38.7 0--13-PASS</p>



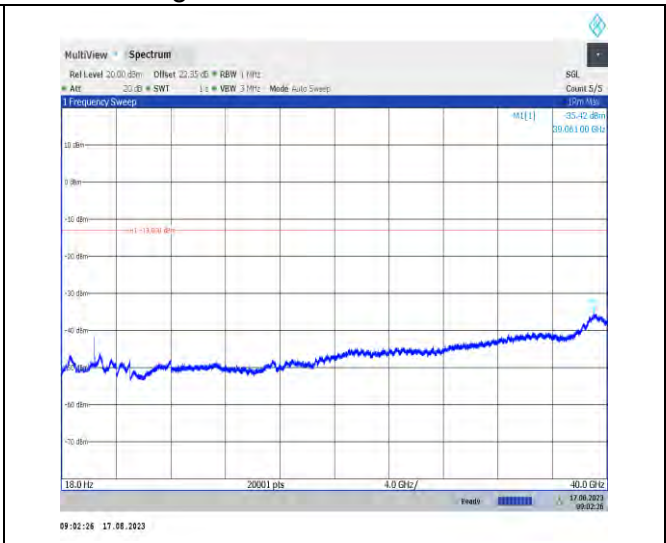
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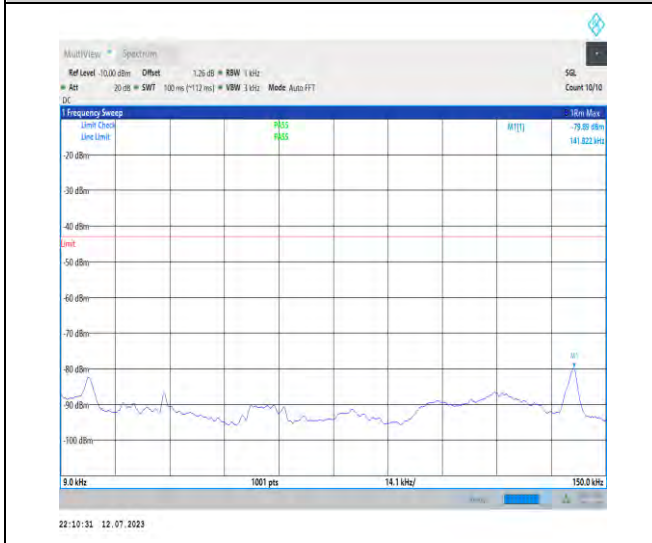
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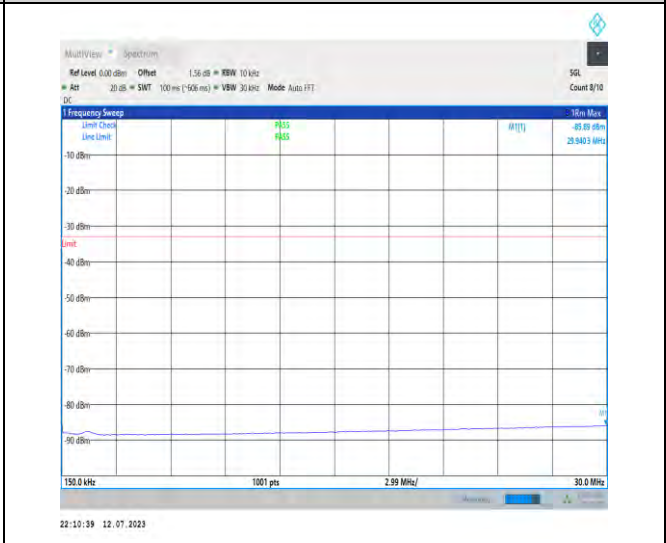
1-N77-3450-3550-PC1.5-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant3-7488.00--53.10-13-PASS



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

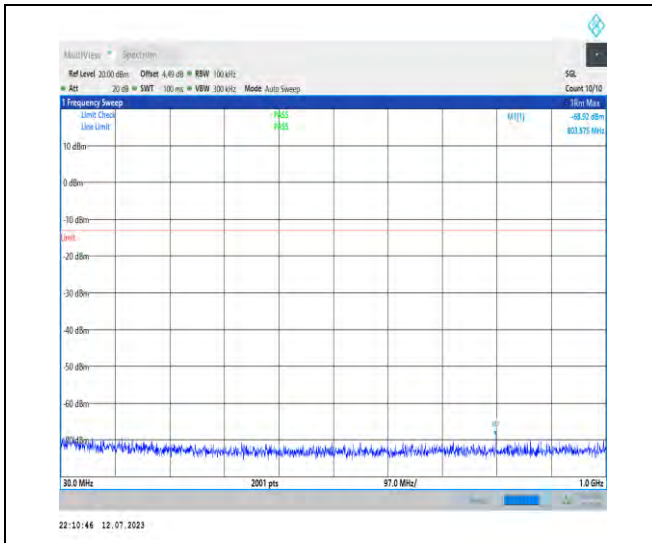


1-N77-3450-3550-PC1.5-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.30-30-Ant3-29.94--85.89--33-PASS

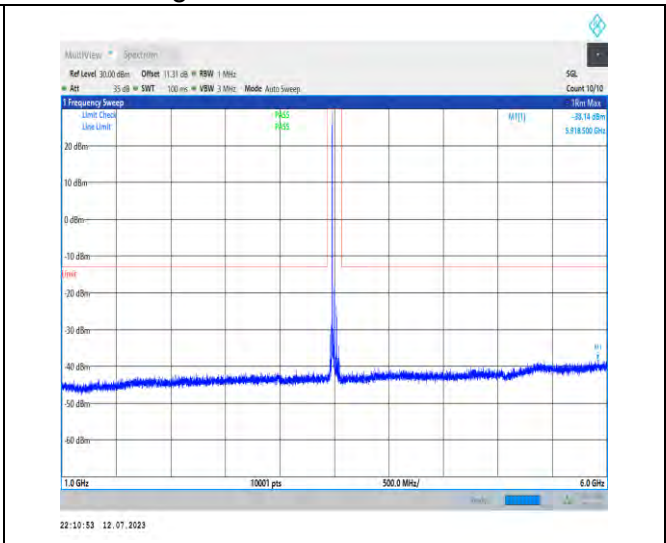


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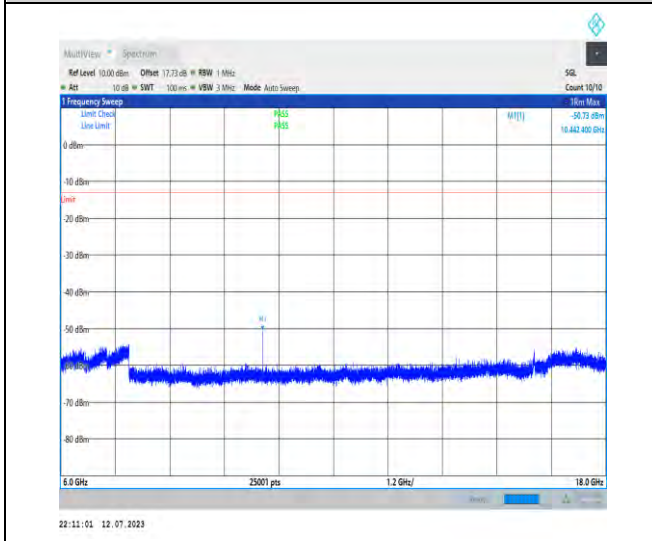
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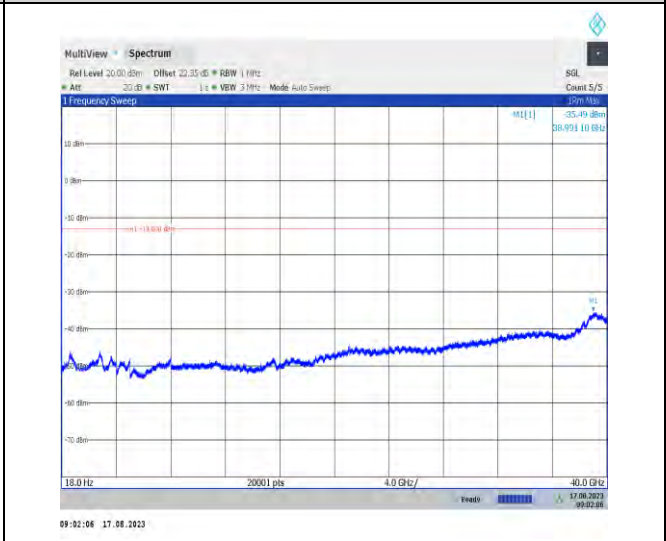
1-N77-3450-3550-PC1.5-30-100-M-1-DFT-PI2BPSK
-Inner_1RB_Left-1@1-30-1000-Ant3-803.58--68.92--
13-PASS



1-N77-3450-3550-PC1.5-30-100-M-1-DFT-PI2BPSK
-Inner_1RB_Left-1@1-1000-6000-Ant3-5918.50--38.1
4--13-PASS



1-N77-3450-3550-PC1.5-30-100-M-1-DFT-PI2BPSK
-Inner_1RB_Left-1@1-6000-18000-Ant3-10442.40--
50.73--13-PASS

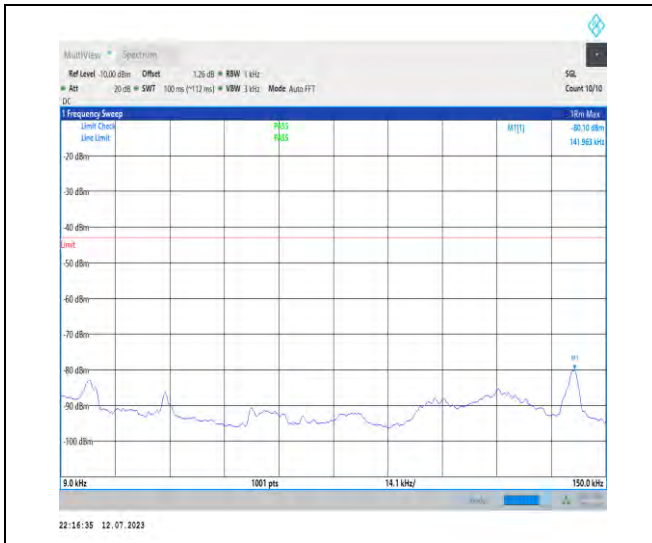


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57.00--13-PASS

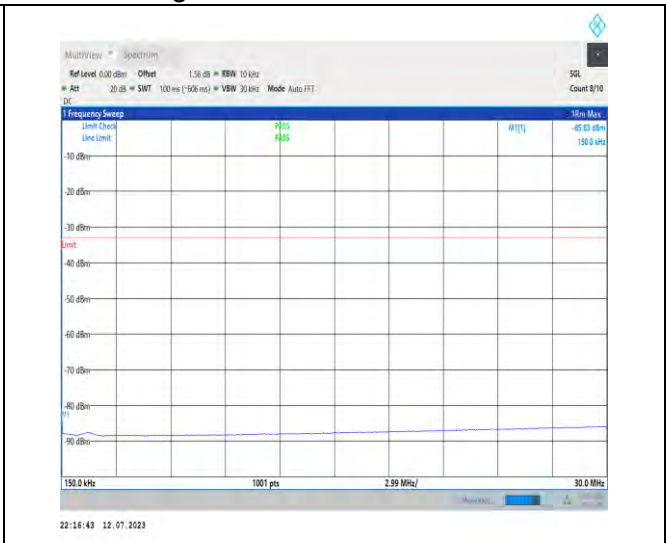


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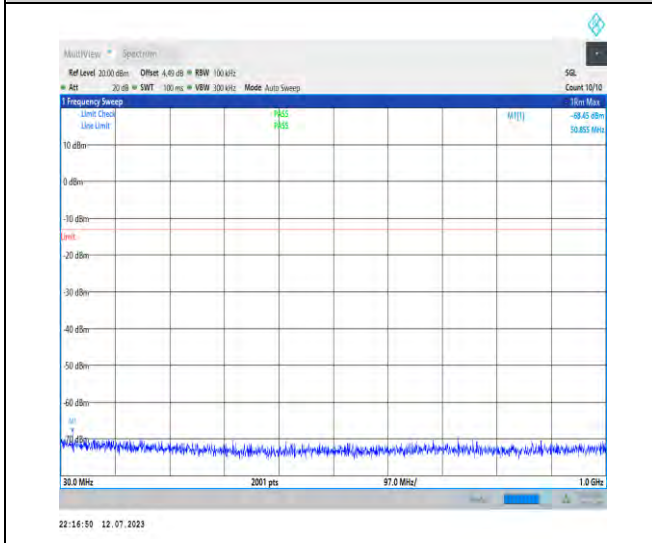
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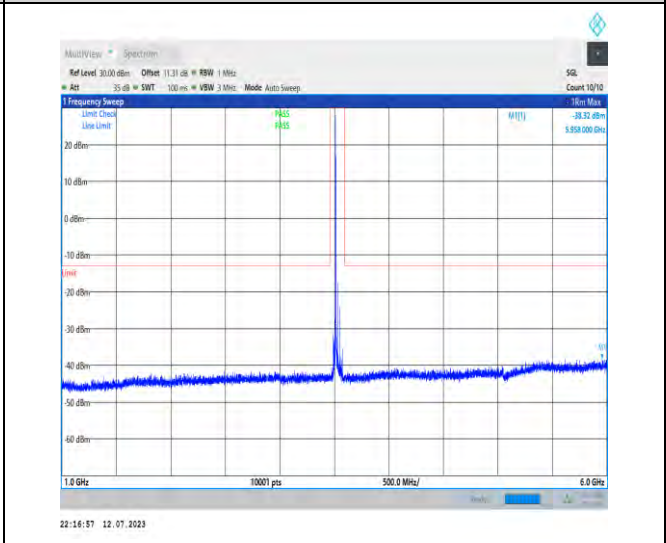
1-N77-3450-3550-PC1.5-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.30-Ant3-0.14--80.10--43-PASS



1-N77-3450-3550-PC1.5-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.30-30-Ant3-0.30--85.90--33-PASS



1-N77-3450-3550-PC1.5-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant3-50.86--68.45--13-PASS

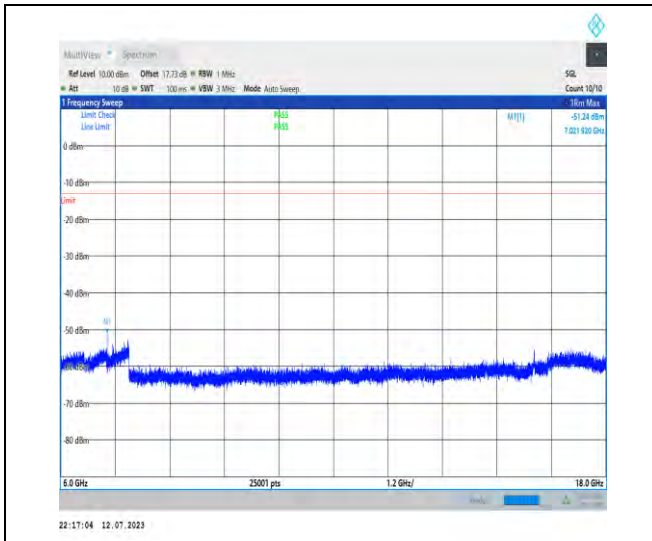


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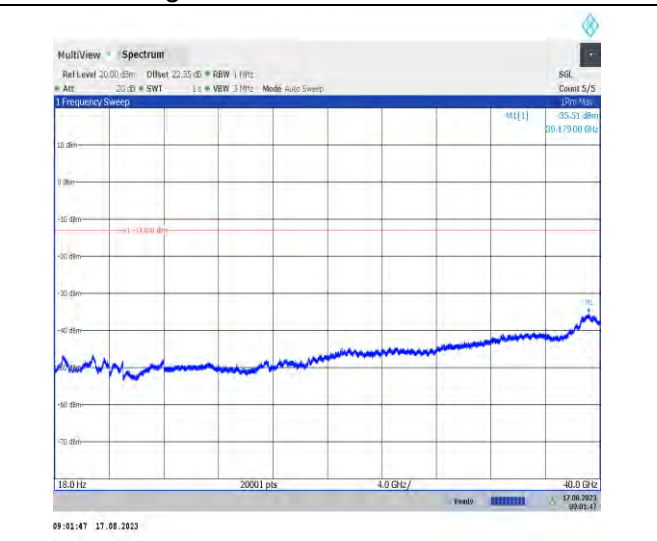


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1-N77-3450-3550-PC1.5-30-100-H-1-DFT-PI2BPSK-
 Inner_1RB_Left-1@1-6000-18000-Ant3-7021.92--51
 .24--13-PASS



1-N77-3450-3550-PC1.5-30-100-H-1-DFT-PI2BPSK-I
 nner_1RB_Left-1@1-18000-40000-Ant3-18000.00--5
 7.16--13-PASS



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Conducted Spurious Emission for MIMO ANT3

Test Graphs

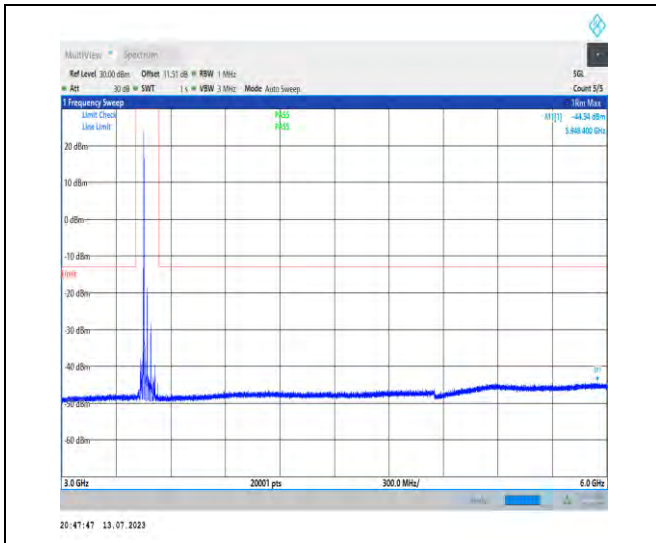
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<p>1-N77-3450-3550-PC1.5-30-100-L-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-905.13--53.23--23-PASS</p>	<p>1-N77-3450-3550-PC1.5-30-100-L-1-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant3-2694.20--56.95--13-PASS</p>



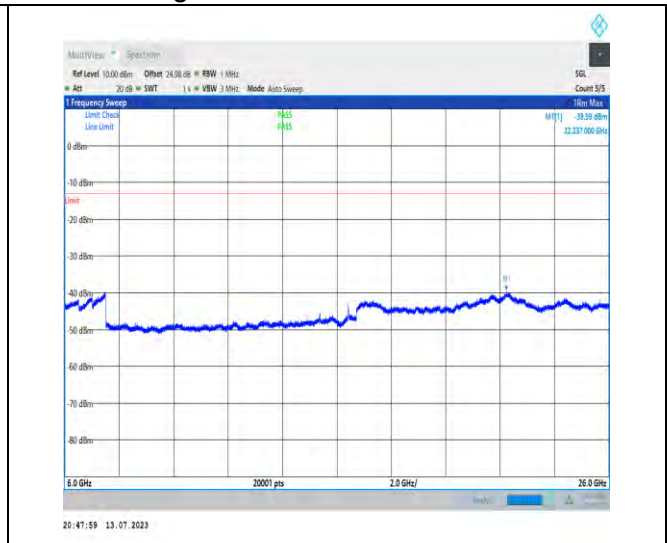
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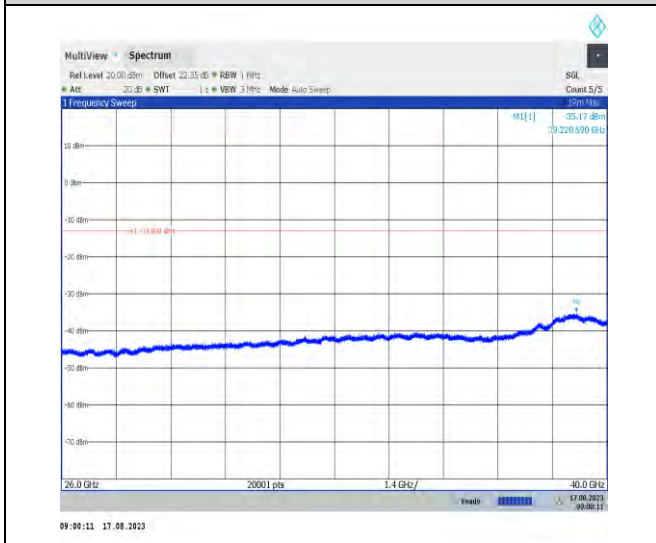
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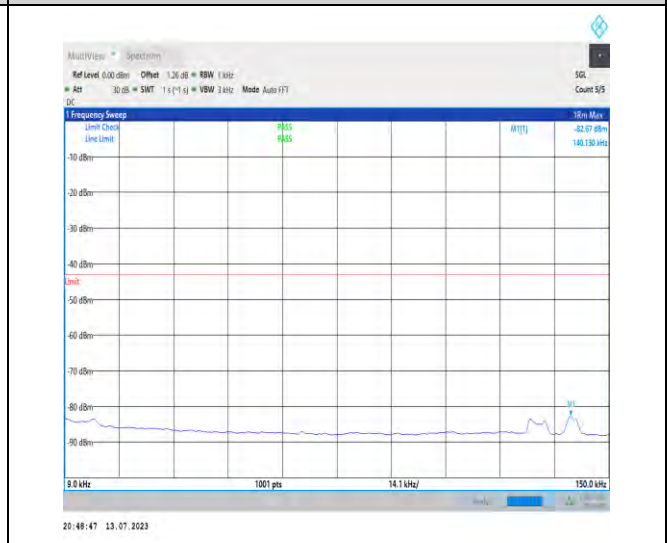
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1-N77-3450-3550-PC1.5-30-100-L-1-DFT-QPSK-Edge_1RB_Left-1@0-6000-26000-Ant3-22237.00--39.59--13-PASS



1-N77-3450-3550-PC1.5-30-100-L-1-DFT-QPSK-Edge_1RB_Left-1@0-26000-40000-Ant3-26000.00--45.28--13-PASS

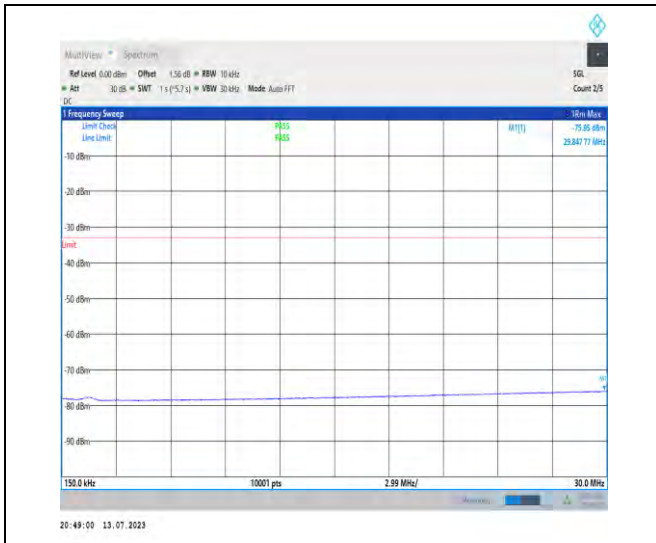


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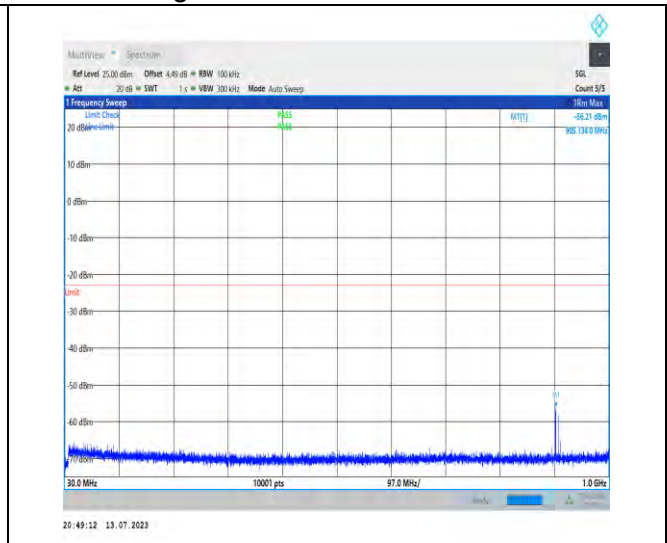


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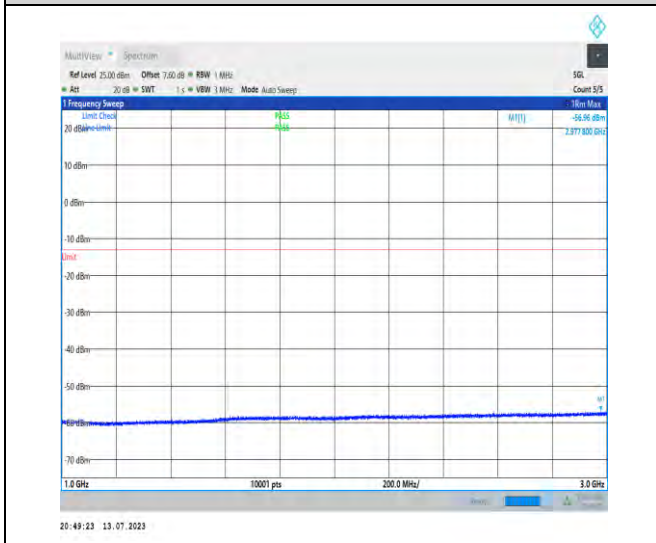
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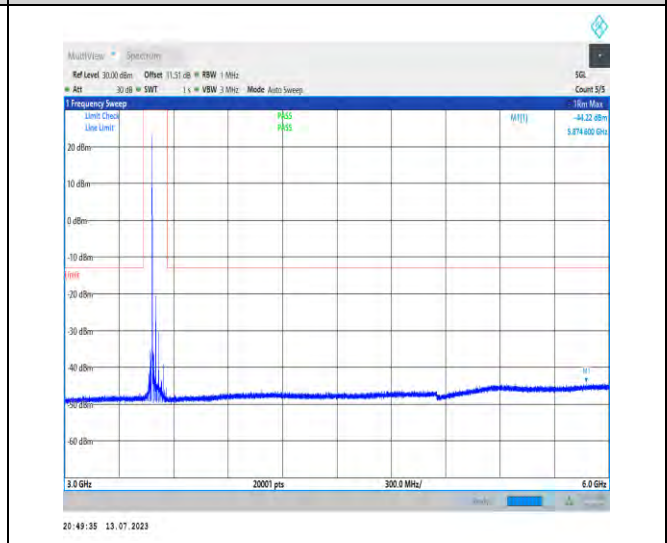
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1-N77-3450-3550-PC1.5-30-100-M-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-905.13--56.21--23-PASS



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

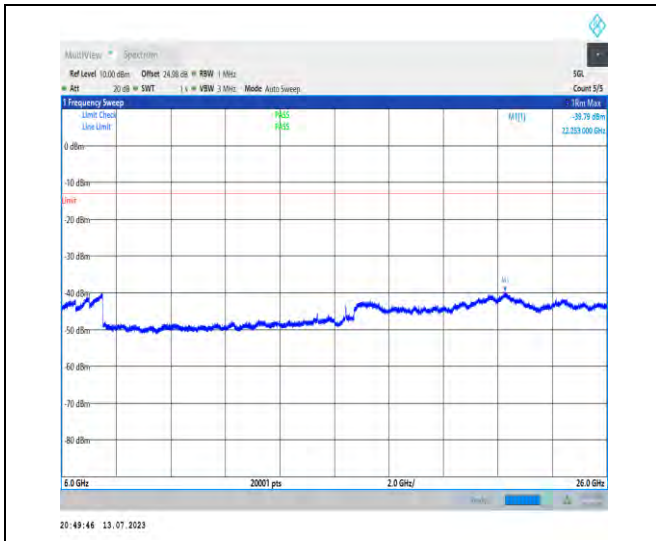


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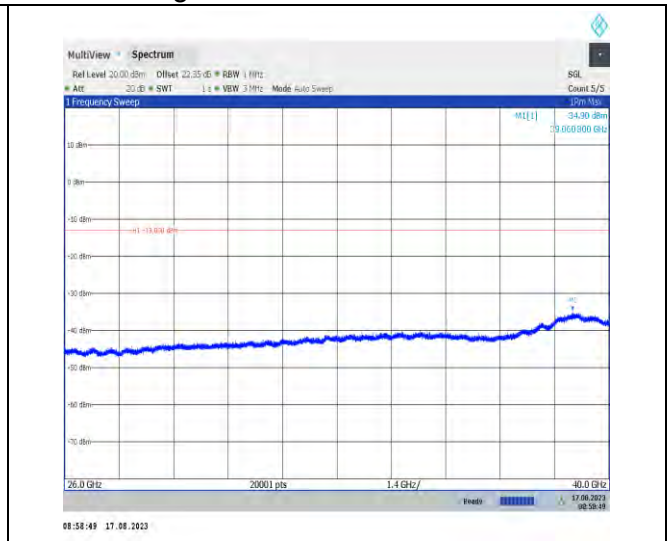


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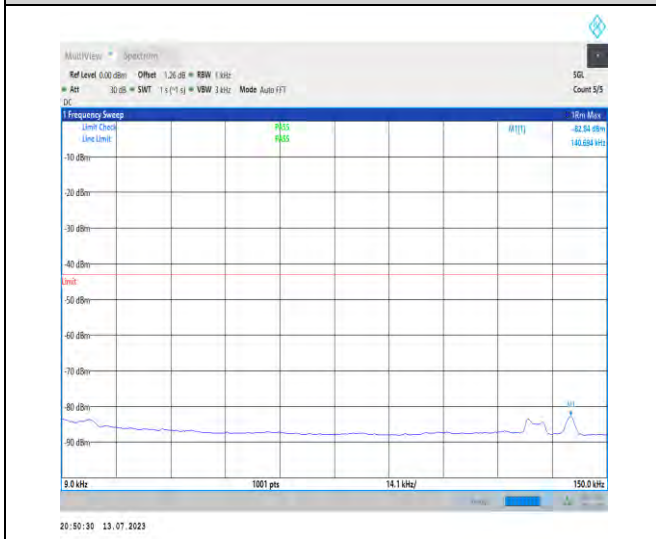
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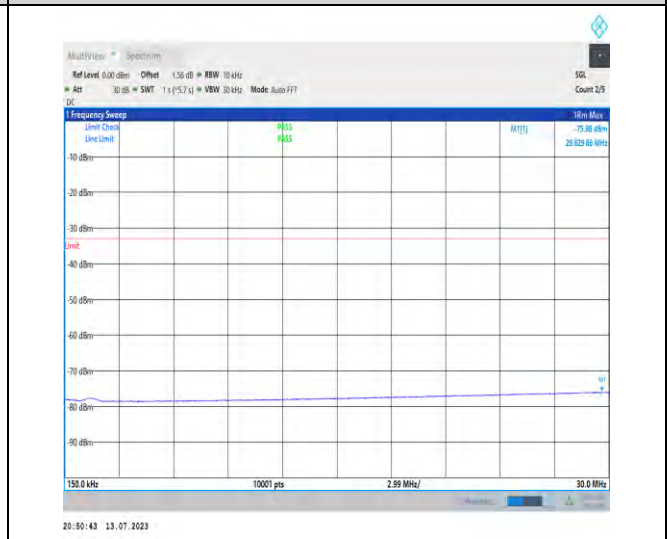
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1-N77-3450-3550-PC1.5-30-100-M-1-DFT-QPSK-Edge_1RB_Left-1@0-26000-40000-Ant3-26000.00--45.31--13-PASS



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



1-N77-3450-3550-PC1.5-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-0.30-30-Ant3-29.63--75.98--33-PASS



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<p>1-N77-3450-3550-PC1.5-30-100-H-1-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant3-907.46--57.60--23-PASS</p>	<p>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</p>
<p>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</p>	<p>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</p>



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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 Band77_ TM1

Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6910.1800	39.33	-43.80	35.04	-64.70	-13.00	51.70	Horizontal
2	10365.2700	30.79	-38.81	38.38	-64.89	-13.00	51.89	Horizontal
3	11174.75	29.85	-36.89	38.72	-63.58	-13.00	50.58	Horizontal
4	13820.3600	26.56	-36.11	40.58	-64.23	-13.00	51.23	Horizontal
5	15154.9	26.50	-34.08	40.97	-61.87	-13.00	48.87	Horizontal
6	17275.4500	27.72	-35.16	43.54	-59.16	-13.00	46.16	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	6910.1800	39.32	-43.80	35.04	-64.71	-13.00	51.71	Vertical
2	8031.8	37.90	-41.88	36.78	-62.45	-13.00	49.45	Vertical
3	10365.2700	31.40	-38.81	38.38	-64.28	-13.00	51.28	Vertical
4	11693.975	26.44	-36.14	38.77	-66.19	-13.00	53.19	Vertical
5	13820.3600	25.68	-36.11	40.58	-65.11	-13.00	52.11	Vertical
6	17275.4500	28.74	-35.16	43.54	-58.14	-13.00	45.14	Vertical



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Test Band = ULMIMO Band77_ TM1

Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8074.925	37.18	-41.54	36.76	-62.86	-13.00	49.86	Horizontal
2	9172.025	33.49	-40.08	36.63	-65.22	-13.00	52.22	Horizontal
3	10026.475	32.81	-39.20	38.21	-63.44	-13.00	50.44	Horizontal
4	10811.925	29.25	-38.39	38.61	-65.80	-13.00	52.80	Horizontal
5	12670.9	26.87	-36.94	39.00	-66.33	-13.00	53.33	Horizontal
6	14498.25	24.73	-34.24	41.10	-63.68	-13.00	50.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7622.975	38.85	-42.79	36.65	-62.55	-13.00	49.55	Vertical
2	9135.8	34.01	-40.25	36.56	-64.94	-13.00	51.94	Vertical
3	10097.775	31.58	-38.72	38.25	-64.15	-13.00	51.15	Vertical
4	11714.675	25.12	-36.25	38.77	-67.62	-13.00	54.62	Vertical
5	12825	27.59	-36.68	39.05	-65.31	-13.00	52.31	Vertical
6	14324.025	25.97	-35.67	41.03	-63.93	-13.00	50.93	Vertical



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Test Band = NSA 2A_N77A_TM1

Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7419.425	40.06	-42.86	36.37	-61.69	-13.00	48.69	Horizontal
2	8254.9	37.75	-42.00	36.67	-62.83	-13.00	49.83	Horizontal
3	9421	35.77	-39.93	37.10	-62.32	-13.00	49.32	Horizontal
4	10355.95	33.20	-38.83	38.38	-62.51	-13.00	49.51	Horizontal
5	12049.9	28.47	-37.18	38.81	-65.16	-13.00	52.16	Horizontal
6	13914.625	27.97	-35.45	40.75	-62.00	-13.00	49.00	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7513.15	40.02	-43.11	36.61	-61.75	-13.00	48.75	Vertical
2	8355.525	37.77	-41.59	36.62	-62.46	-13.00	49.46	Vertical
3	10016.125	33.74	-39.27	38.21	-62.58	-13.00	49.58	Vertical
4	11231.1	30.91	-36.80	38.72	-62.42	-13.00	49.42	Vertical
5	12912.4	28.44	-36.92	39.07	-64.67	-13.00	51.67	Vertical
6	15132.475	26.26	-34.25	41.02	-62.22	-13.00	49.22	Vertical



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Test Band = NR N2A_N77A_TM1

Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7028.425	40.87	-43.18	35.28	-62.29	-13.00	49.29	Horizontal
2	8027.775	38.13	-41.91	36.79	-62.25	-13.00	49.25	Horizontal
3	8931.675	36.69	-40.90	36.33	-63.13	-13.00	50.13	Horizontal
4	10094.9	32.65	-38.73	38.25	-63.10	-13.00	50.10	Horizontal
5	11452.475	29.59	-36.99	38.75	-63.91	-13.00	50.91	Horizontal
6	13401.15	26.70	-36.08	39.82	-64.81	-13.00	51.81	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7652.3	39.17	-42.85	36.66	-62.28	-13.00	49.28	Vertical
2	8943.75	36.47	-40.89	36.33	-63.35	-13.00	50.35	Vertical
3	10096.625	32.51	-38.72	38.25	-63.22	-13.00	50.22	Vertical
4	11155.2	30.04	-37.12	38.72	-63.62	-13.00	50.62	Vertical
5	13392.525	26.80	-36.14	39.81	-64.79	-13.00	51.79	Vertical
6	15155.475	26.07	-34.08	40.97	-62.30	-13.00	49.30	Vertical



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Test Band = NR N5A_N77A_TM1

Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7279.7	40.07	-43.39	35.98	-62.59	-13.00	49.59	Horizontal
2	8023.175	38.67	-41.95	36.79	-61.75	-13.00	48.75	Horizontal
3	8954.1	37.05	-40.89	36.32	-62.78	-13.00	49.78	Horizontal
4	9598.1	35.15	-39.21	37.44	-61.89	-13.00	48.89	Horizontal
5	11448.45	30.84	-37.03	38.74	-62.70	-13.00	49.70	Horizontal
6	12848.575	28.88	-36.74	39.05	-64.07	-13.00	51.07	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7640.225	39.80	-42.82	36.66	-61.63	-13.00	48.63	Vertical
2	8853.475	37.26	-41.02	36.37	-62.64	-13.00	49.64	Vertical
3	10063.85	33.49	-38.95	38.23	-62.48	-13.00	49.48	Vertical
4	11162.1	31.39	-37.04	38.72	-62.19	-13.00	49.19	Vertical
5	12320.15	29.68	-36.71	38.90	-63.39	-13.00	50.39	Vertical
6	13379.3	28.29	-36.27	39.78	-63.45	-13.00	50.45	Vertical



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Test Band = NR N66A_N77A_TM1
Test Channel = Mid 3450-3550

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7616.075	40.46	-42.77	36.65	-60.93	-13.00	47.93	Horizontal
2	8939.725	37.79	-40.89	36.33	-62.03	-13.00	49.03	Horizontal
3	9645.825	34.50	-39.33	37.53	-62.56	-13.00	49.56	Horizontal
4	10693.475	31.89	-37.52	38.55	-62.35	-13.00	49.35	Horizontal
5	11587.6	29.31	-36.92	38.76	-64.11	-13.00	51.11	Horizontal
6	12691.025	28.89	-36.86	39.01	-64.23	-13.00	51.23	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7648.275	40.25	-42.84	36.66	-61.19	-13.00	48.19	Vertical
2	8687.875	37.66	-41.29	36.46	-62.43	-13.00	49.43	Vertical
3	10004.625	34.34	-39.35	38.20	-62.07	-13.00	49.07	Vertical
4	11242.6	31.18	-36.87	38.72	-62.22	-13.00	49.22	Vertical
5	12232.175	29.91	-36.96	38.87	-63.44	-13.00	50.44	Vertical
6	13977.3	27.92	-34.96	40.86	-61.44	-13.00	48.44	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	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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