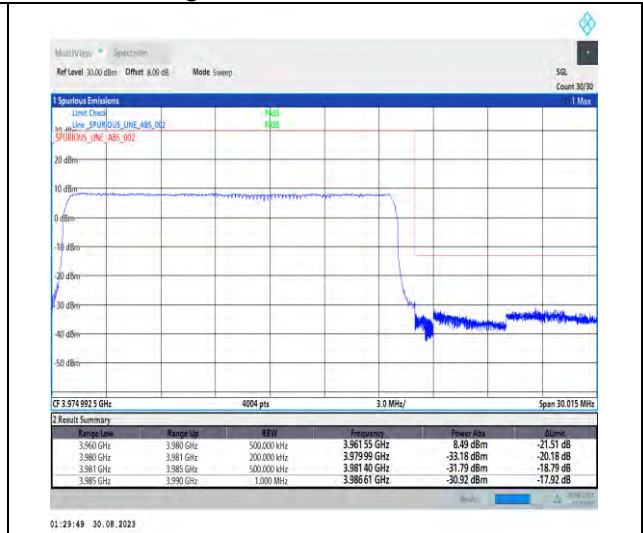
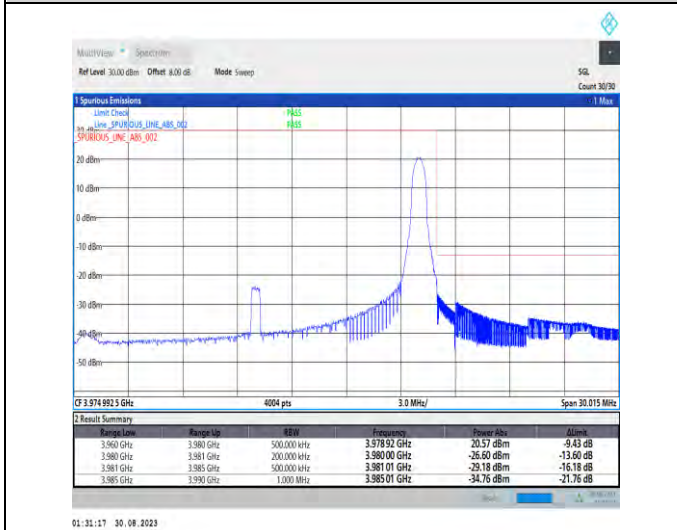


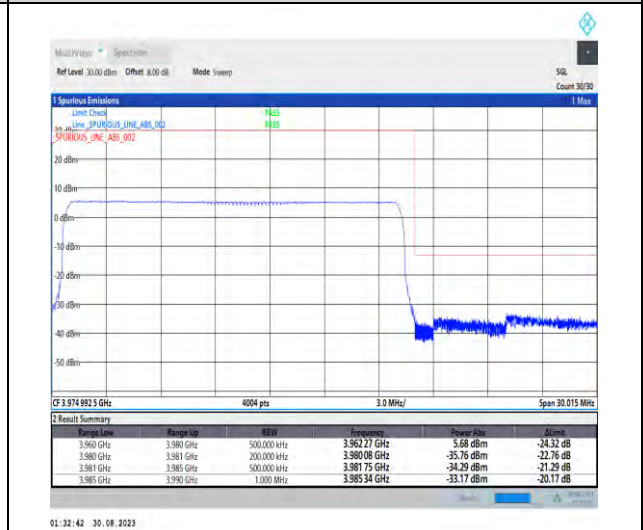
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1-N77-3700-3980-PC2-30-20-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@50-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-20-H-6-CP-QPSK-Outer\_Full-51@0-Ant5-1--PASS-see graph

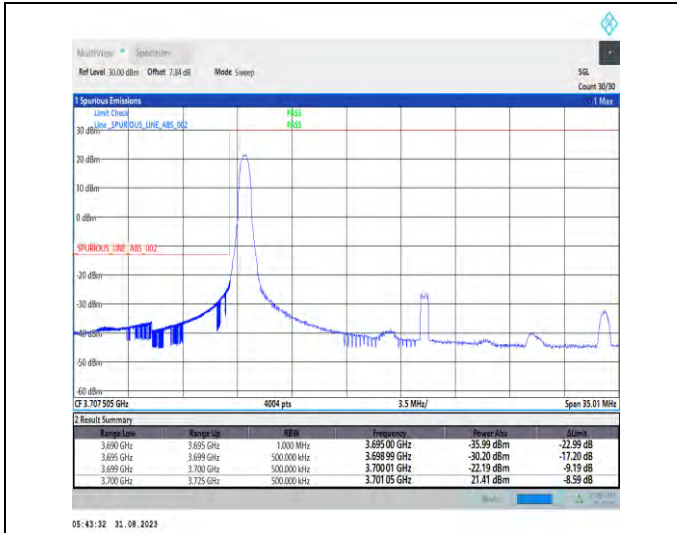


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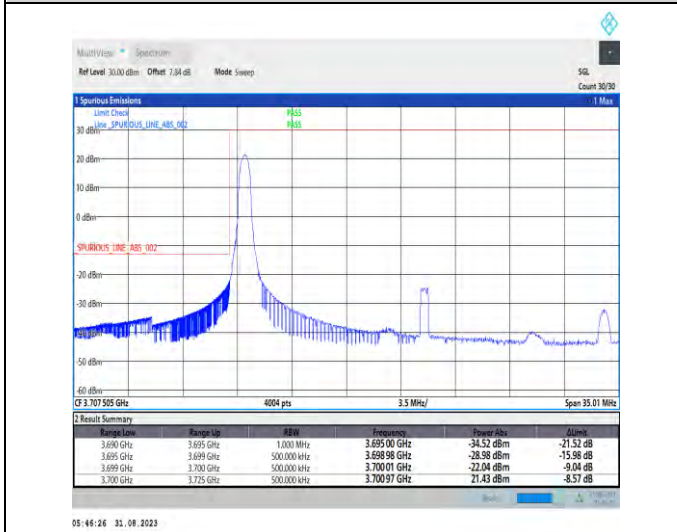
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1-N77-3700-3980-PC2-30-25-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-25-L-3-DFT-PI2BPSK-Outer\_Full-64@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-25-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-25-L-6-CP-QPSK-Outer\_Full-65@0-Ant5-1--PASS-see graph

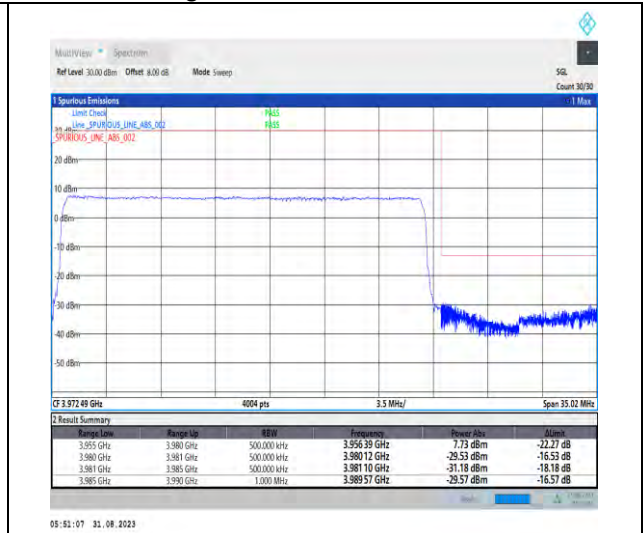
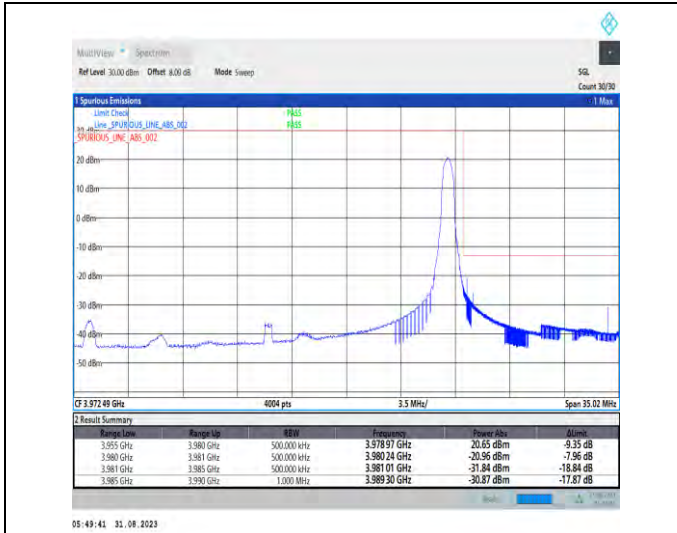


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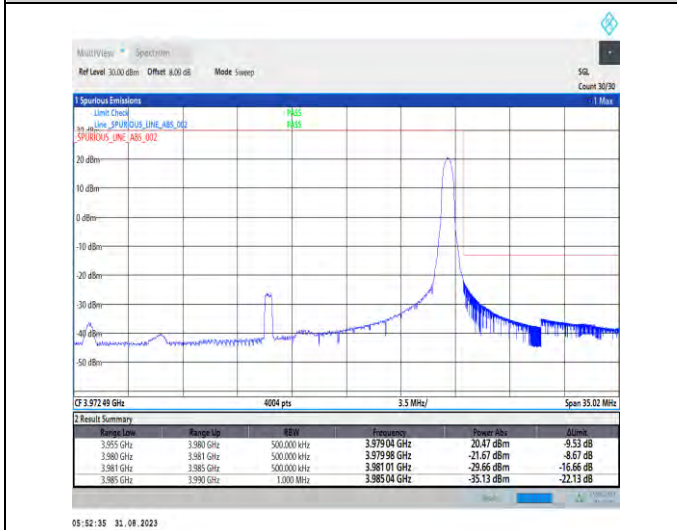
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1-N77-3700-3980-PC2-30-25-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@64-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-25-H-3-DFT-PI2BPSK-Outer\_Full-64@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-25-H-5-CP-QPSK-Edge\_1RB\_Right-1@64-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-25-H-6-CP-QPSK-Outer\_Full-65@0-Ant5-1--PASS-see graph

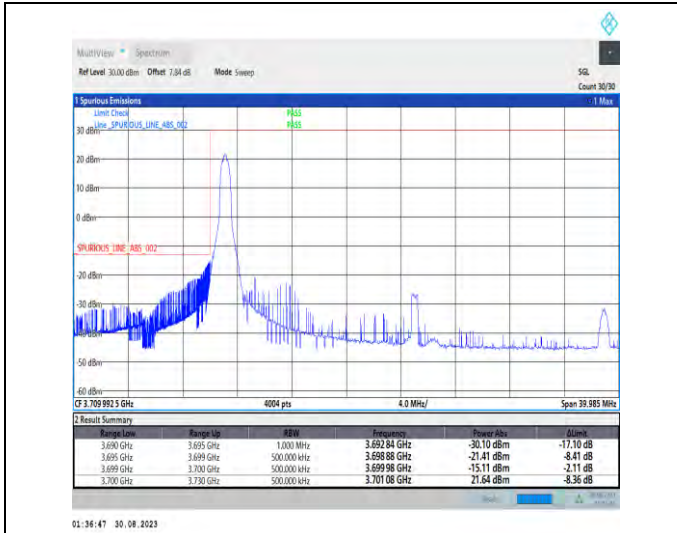


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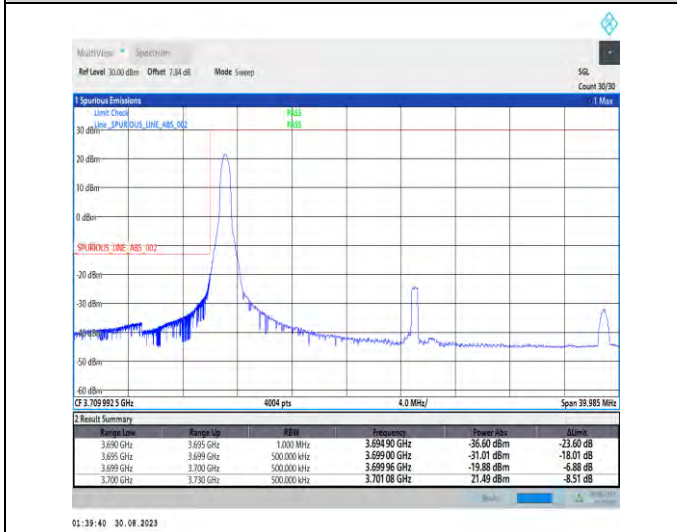
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1-N77-3700-3980-PC2-30-30-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-30-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-30-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-30-L-6-CP-QPSK-Outer\_Full-78@0-Ant5-1--PASS-see graph



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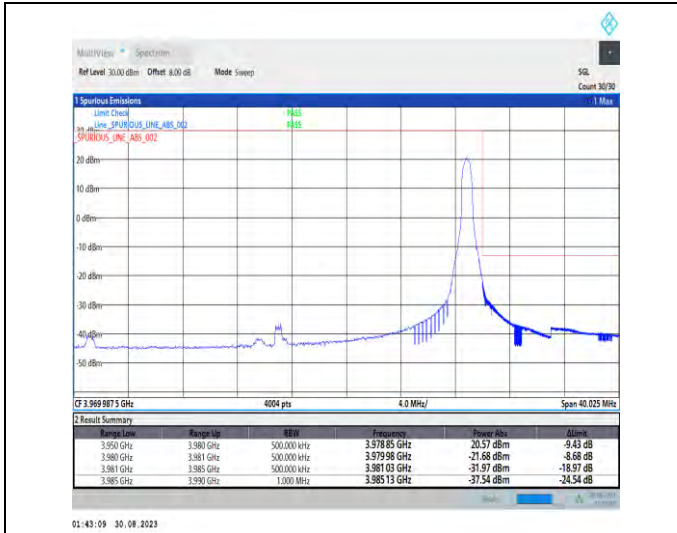
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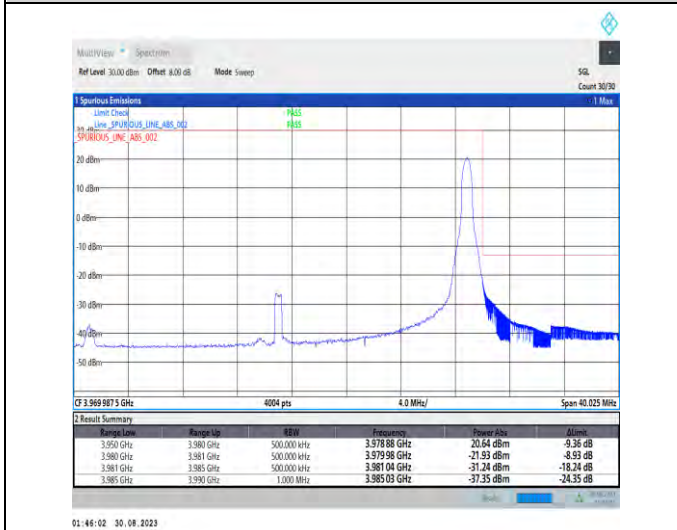




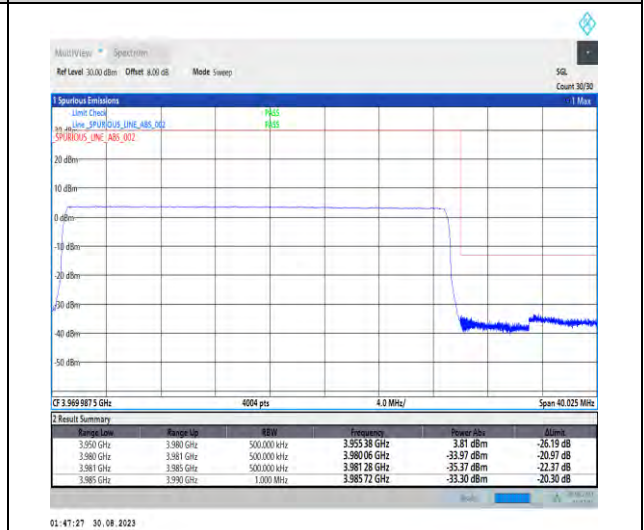
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1-N77-3700-3980-PC2-30-30-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-30-H-5-CP-QPSK-Edge\_1RB\_Right-1@77-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-30-H-6-CP-QPSK-Outer\_Full-78@0-Ant5-1--PASS-see graph



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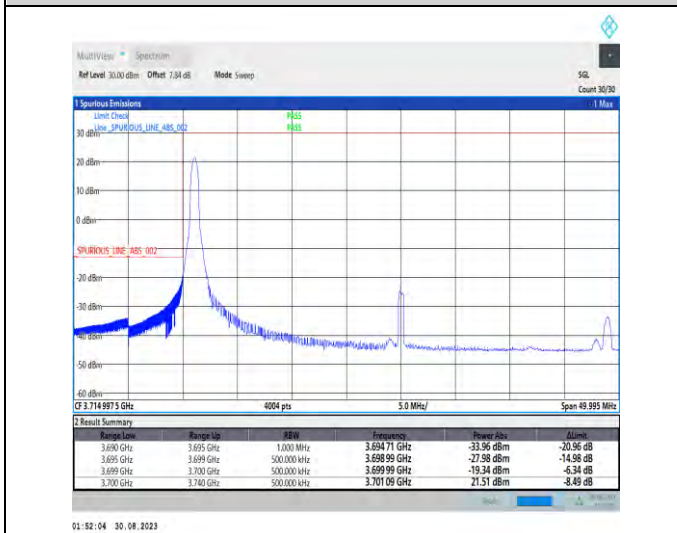
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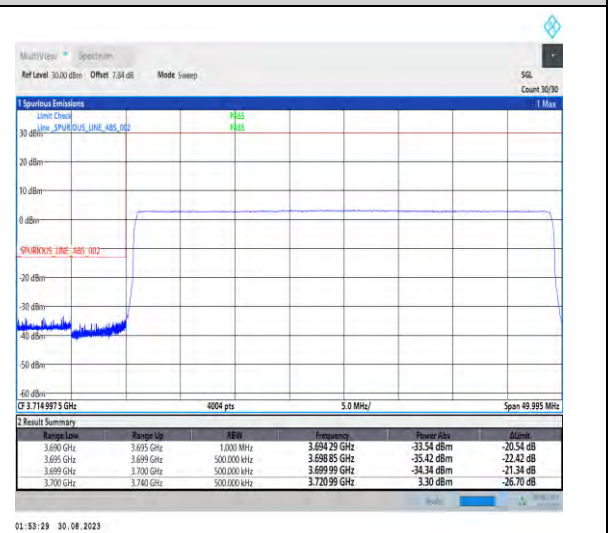
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1-N77-3700-3980-PC2-30-40-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-40-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-40-L-6-CP-QPSK-Outer\_Full-106@0-Ant5-1--PASS-see graph



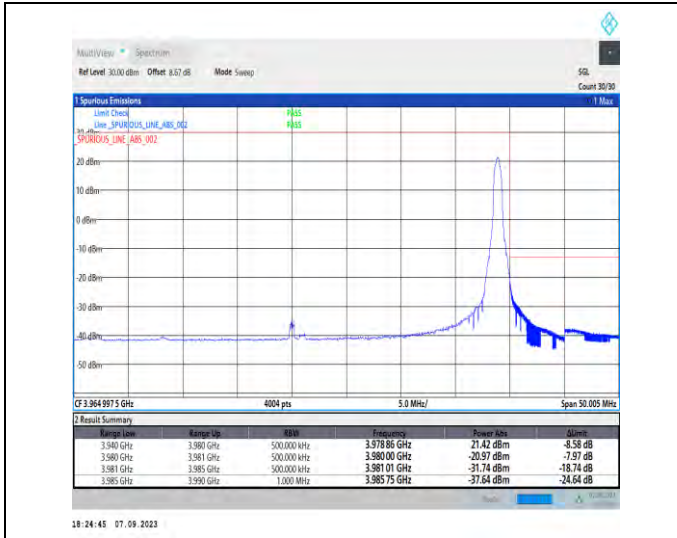
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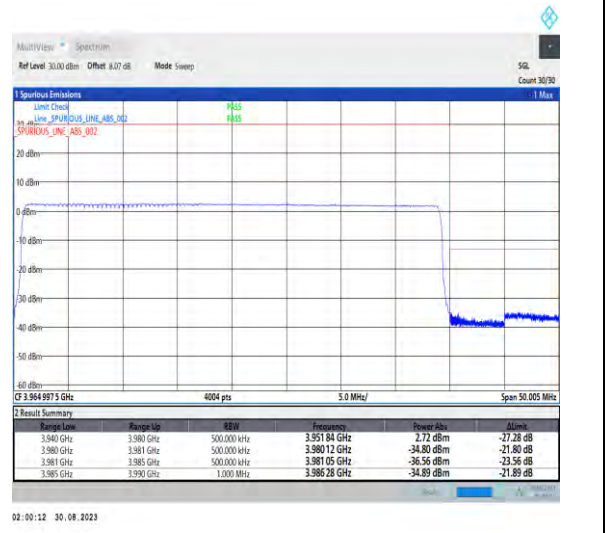
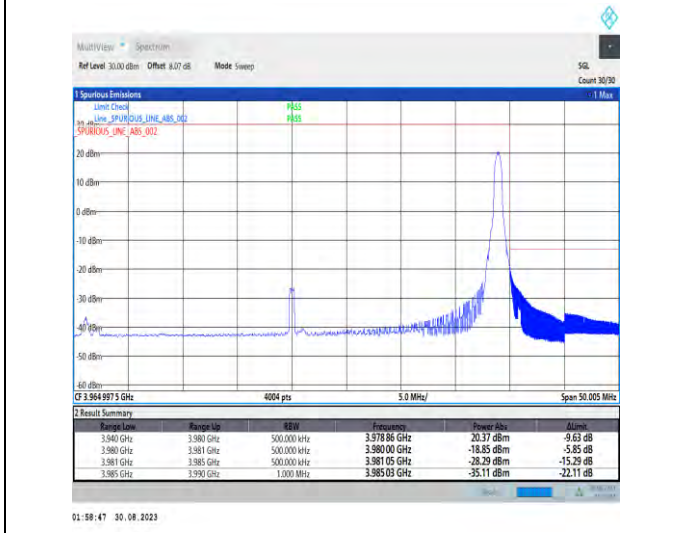
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1-N77-3700-3980-PC2-30-40-H-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant5-1--PASS-see graph



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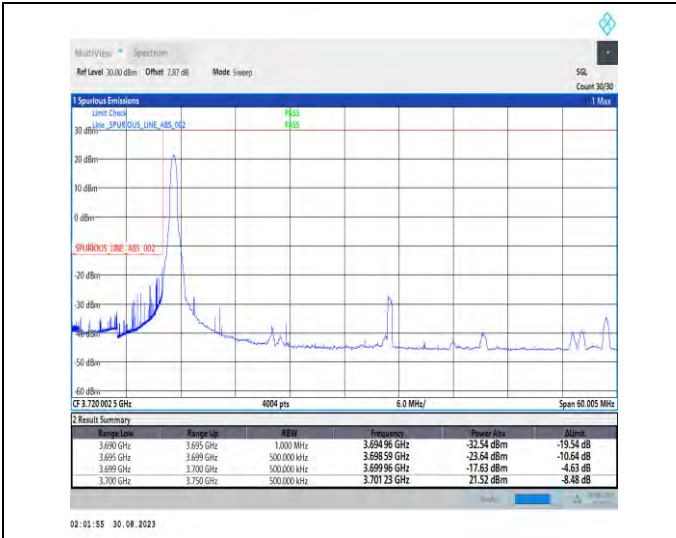
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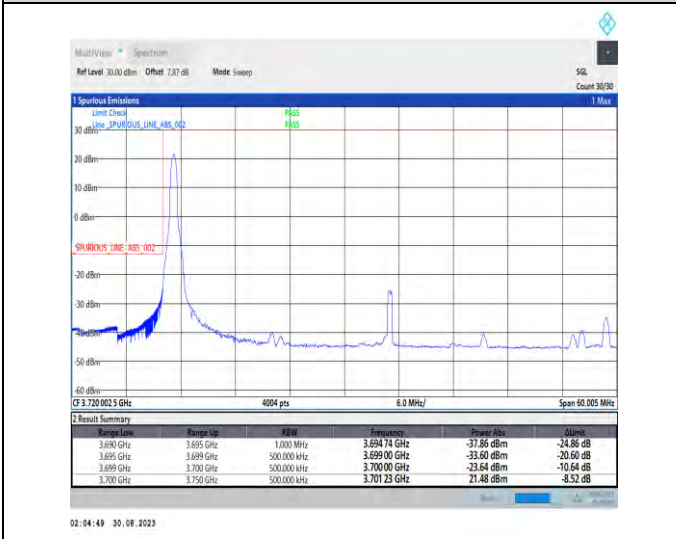
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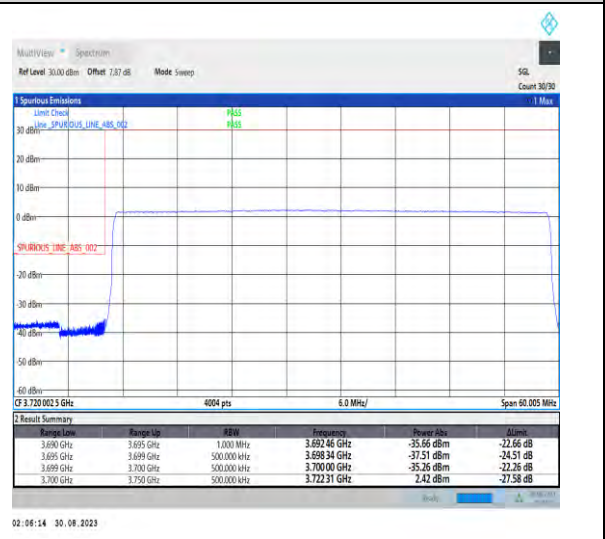
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1-N77-3700-3980-PC2-30-50-L-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-50-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-50-L-6-CP-QPSK-Outer\_Full-133@0-Ant5-1--PASS-see graph

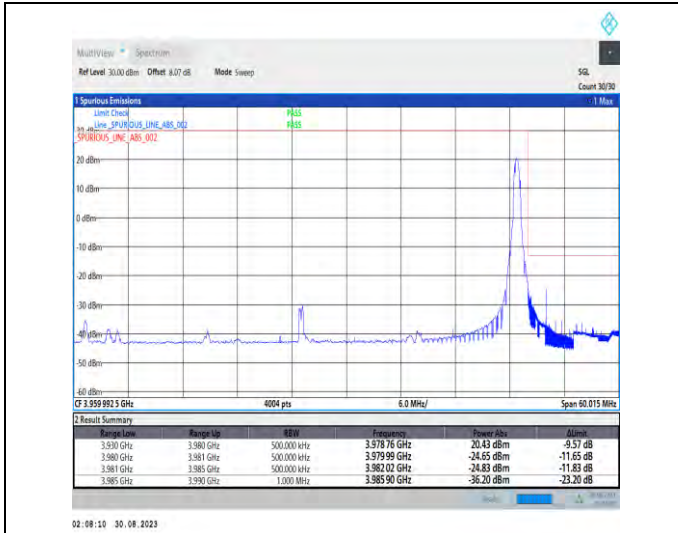


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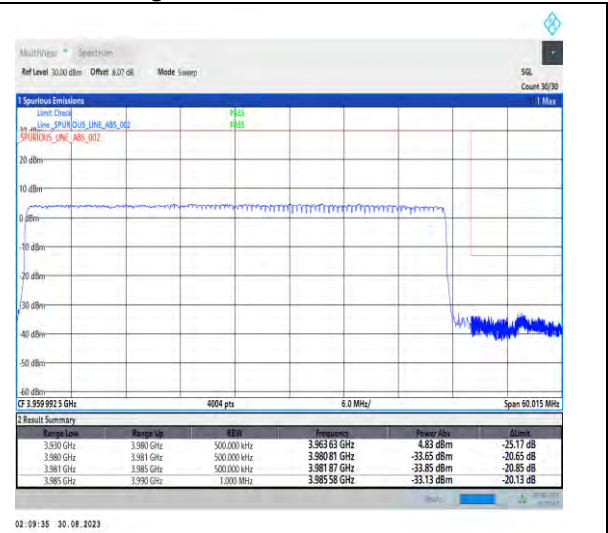
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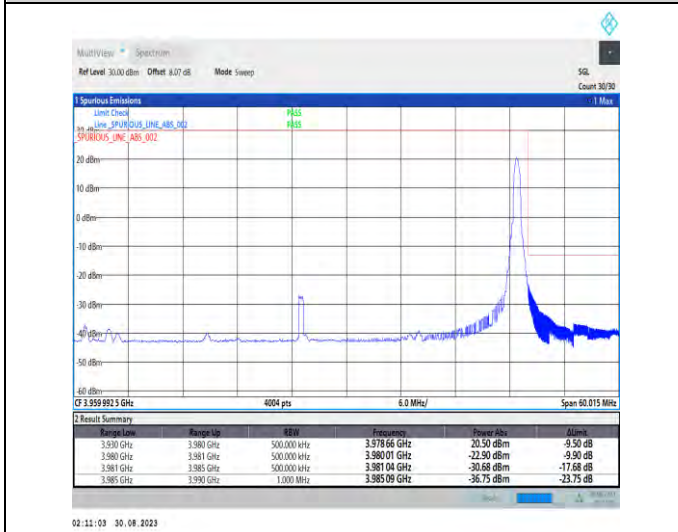




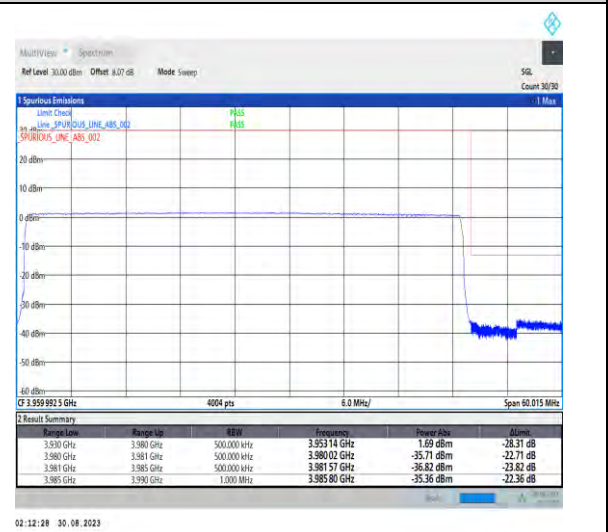
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1-N77-3700-3980-PC2-30-50-H-5-CP-QPSK-Edge\_1RB\_Right-1@132-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-50-H-6-CP-QPSK-Outer\_Full-133@0-Ant5-1--PASS-see graph



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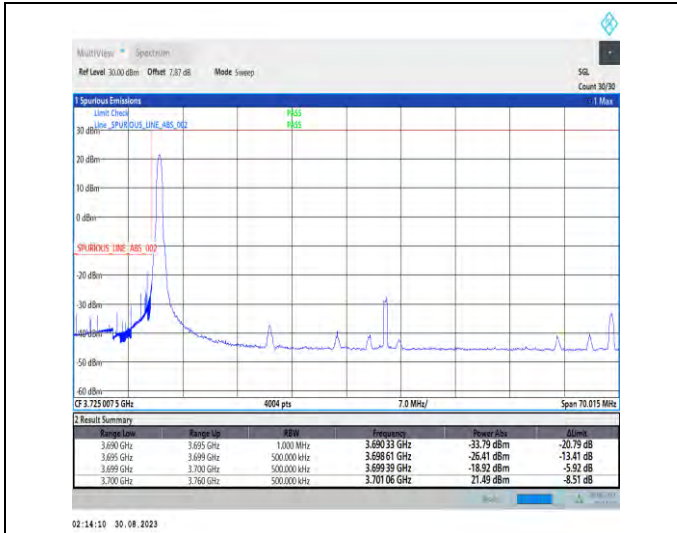
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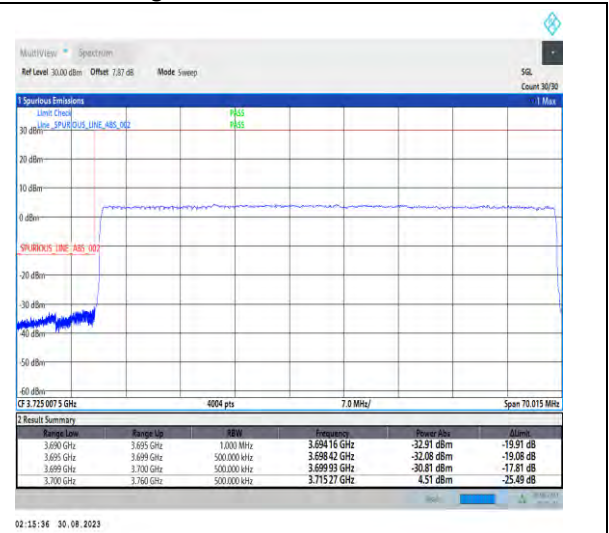
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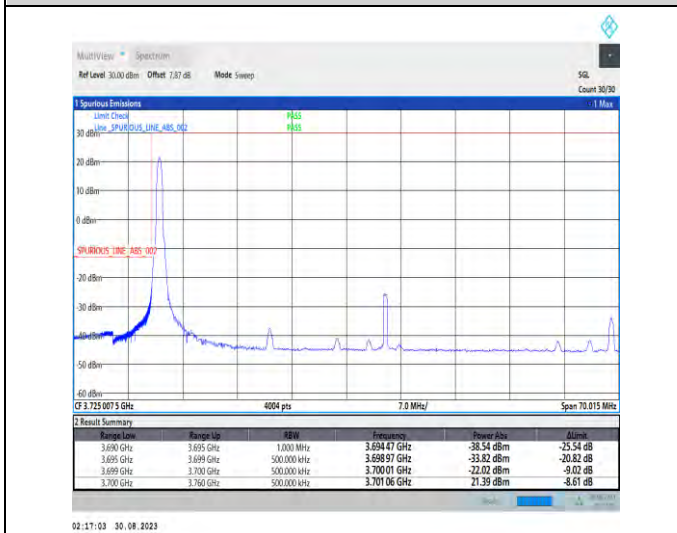
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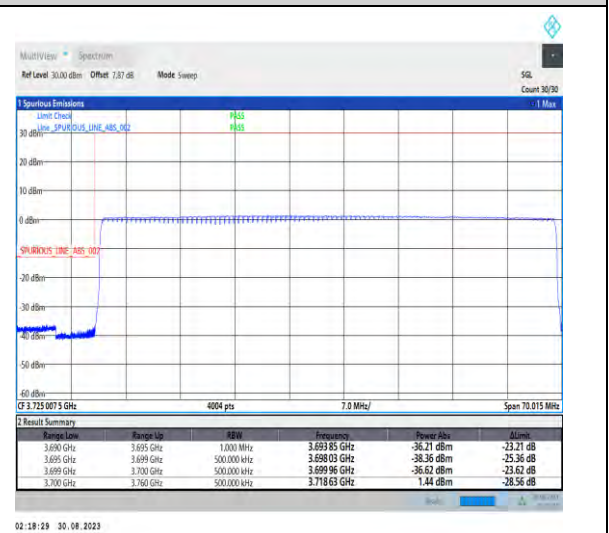
1-N77-3700-3980-PC2-30-60-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-60-L-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-60-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-60-L-6-CP-QPSK-Outer\_Full-162@0-Ant5-1--PASS-see graph



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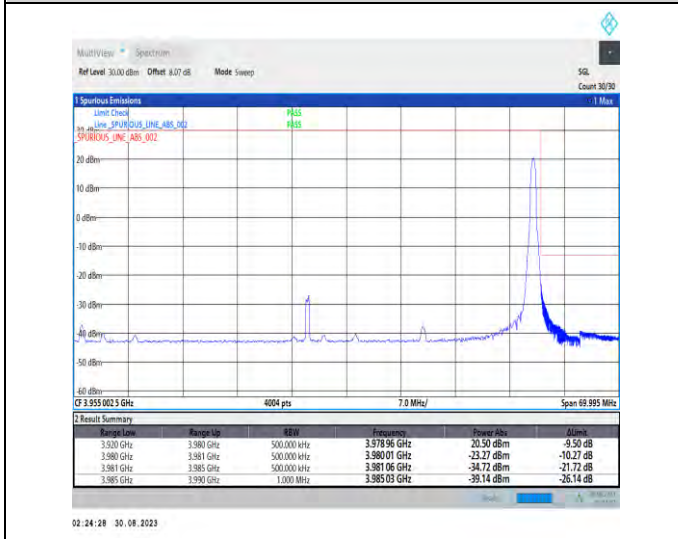




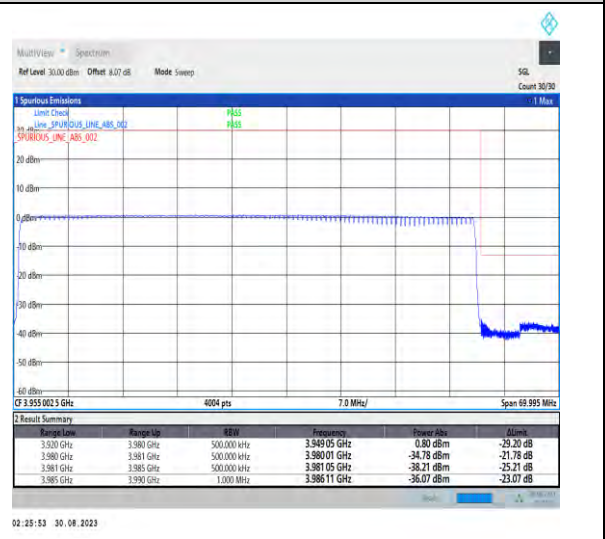
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1-N77-3700-3980-PC2-30-60-H-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-60-H-5-CP-QPSK-Edge\_1RB\_Right-1@161-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-60-H-6-CP-QPSK-Outer\_Full-162@0-Ant5-1--PASS-see graph

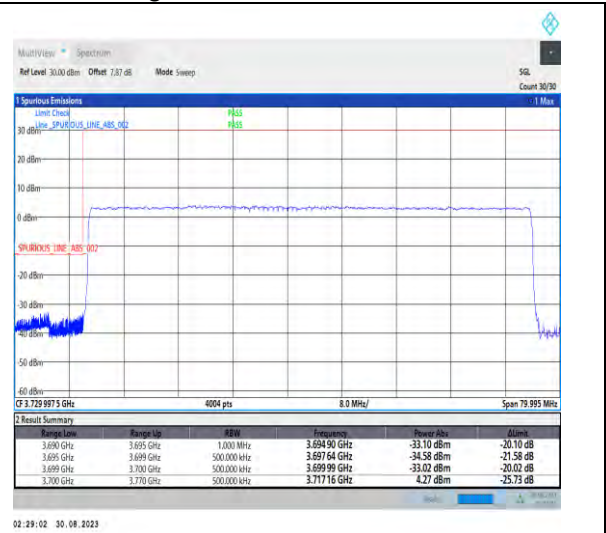
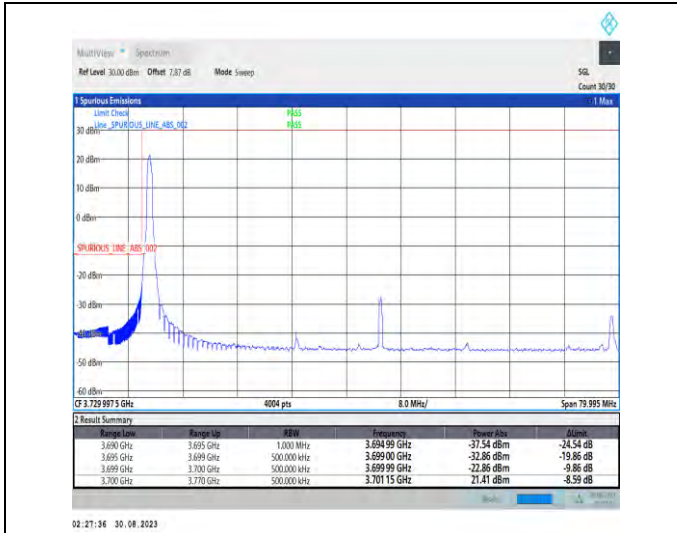


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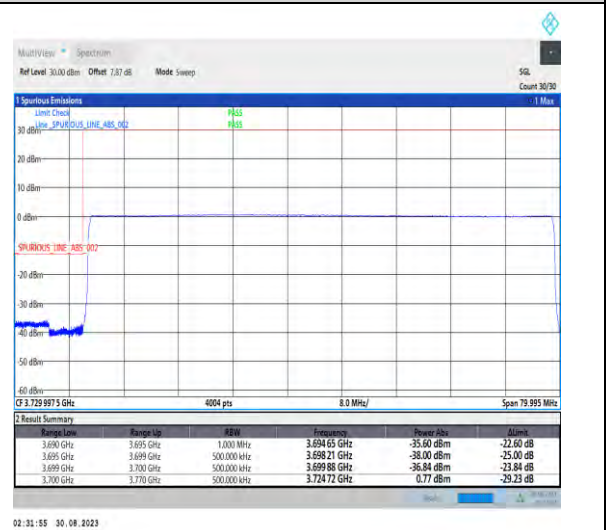
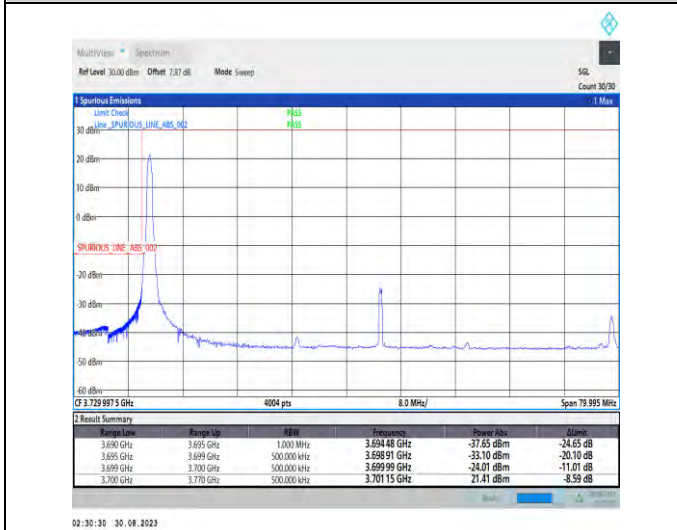
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1-N77-3700-3980-PC2-30-70-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-70-L-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-70-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-70-L-6-CP-QPSK-Outer\_Full-189@0-Ant5-1--PASS-see graph



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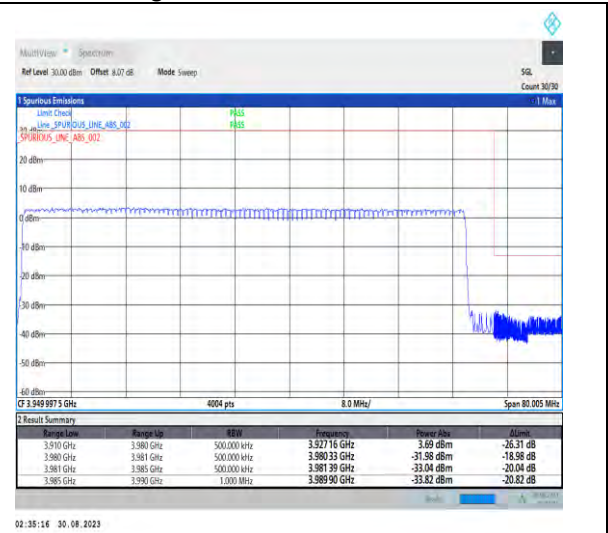
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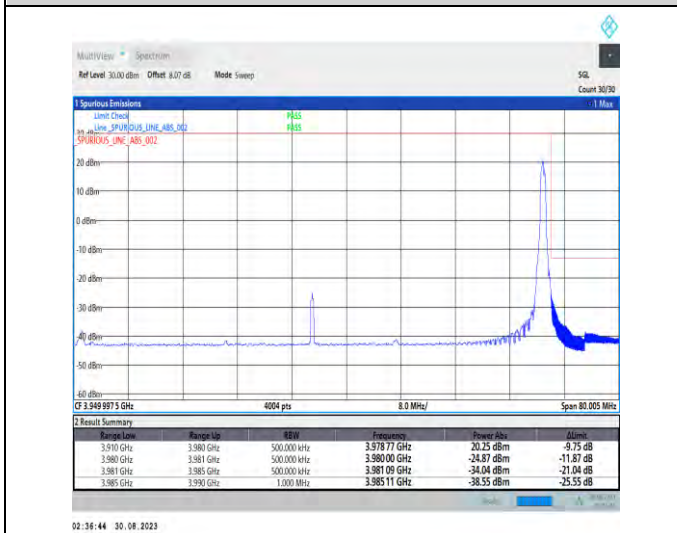




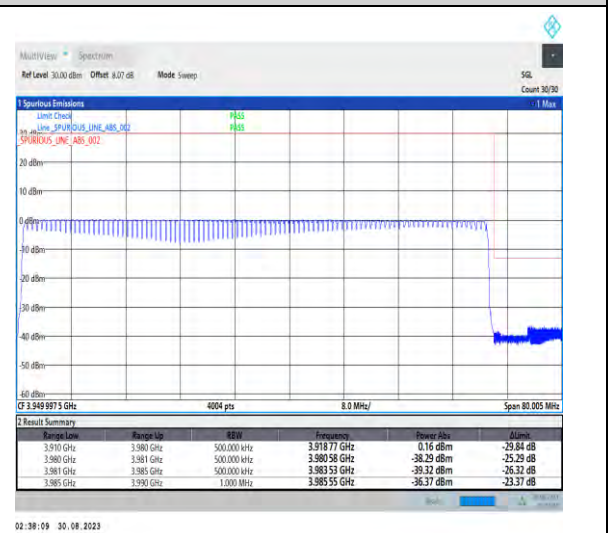
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1-N77-3700-3980-PC2-30-70-H-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-70-H-5-CP-QPSK-Edge\_1RB\_Right-1@188-Ant5-1--PASS-see graph



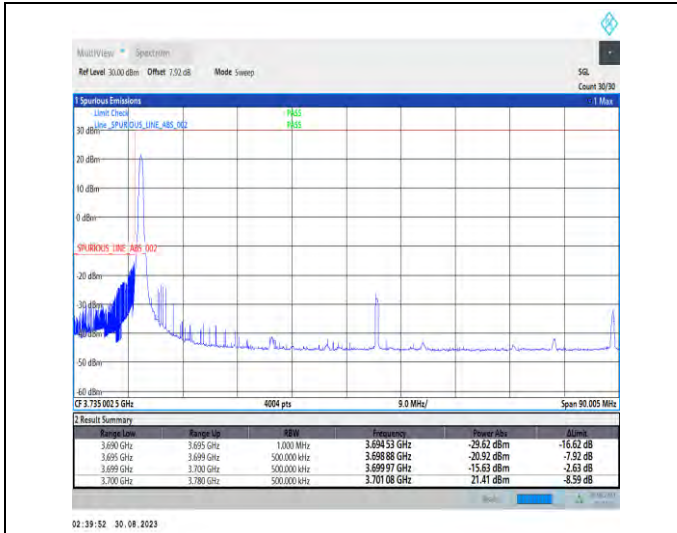
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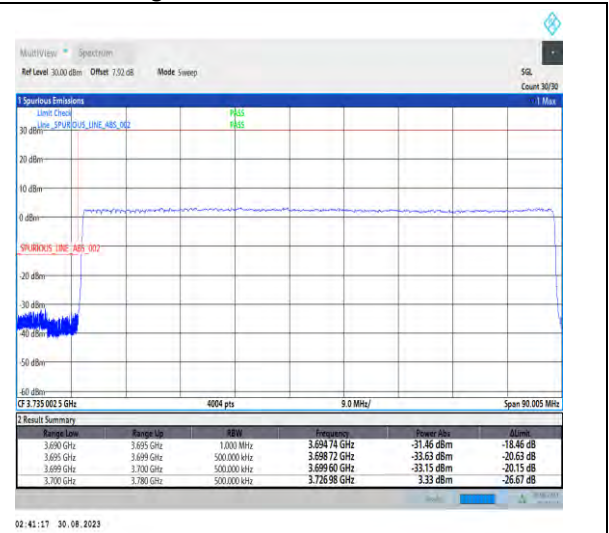
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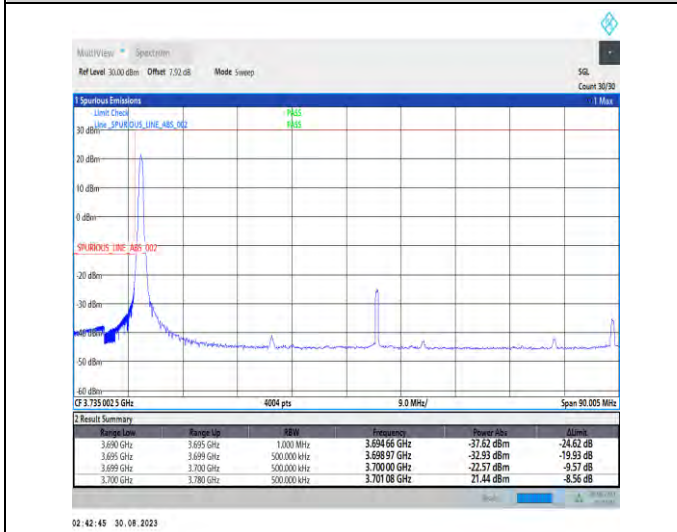
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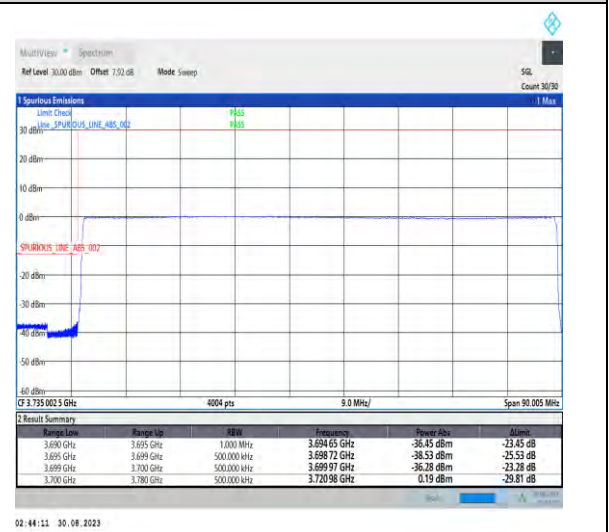
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1-N77-3700-3980-PC2-30-80-L-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-80-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-80-L-6-CP-QPSK-Outer\_Full-217@0-Ant5-1--PASS-see graph



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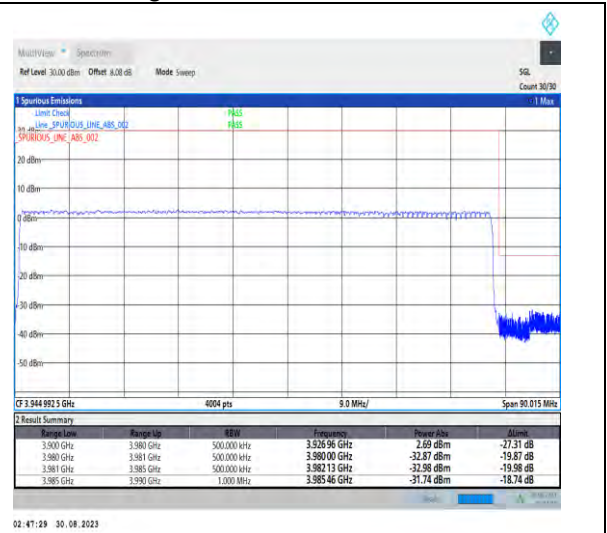
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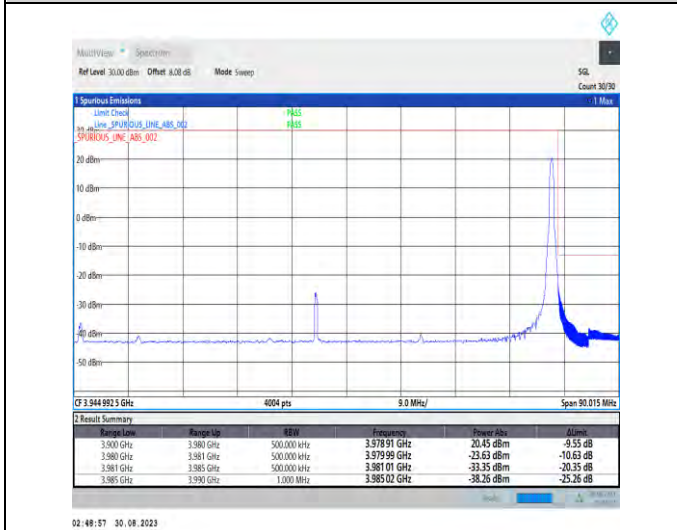




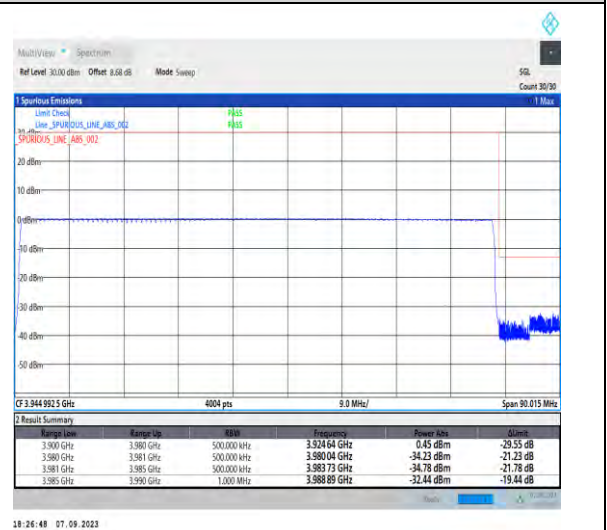
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1-N77-3700-3980-PC2-30-80-H-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-80-H-5-CP-QPSK-Edge\_1RB\_Right-1@216-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-80-H-6-CP-QPSK-Outer\_Full-217@0-Ant5-1--PASS-see graph



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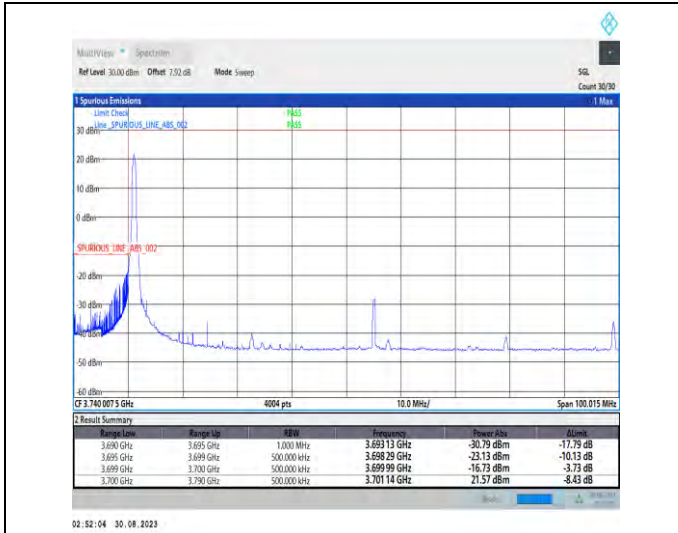
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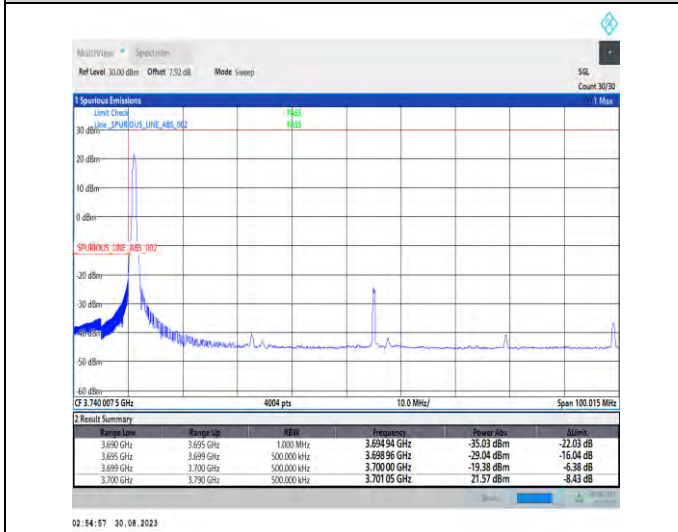
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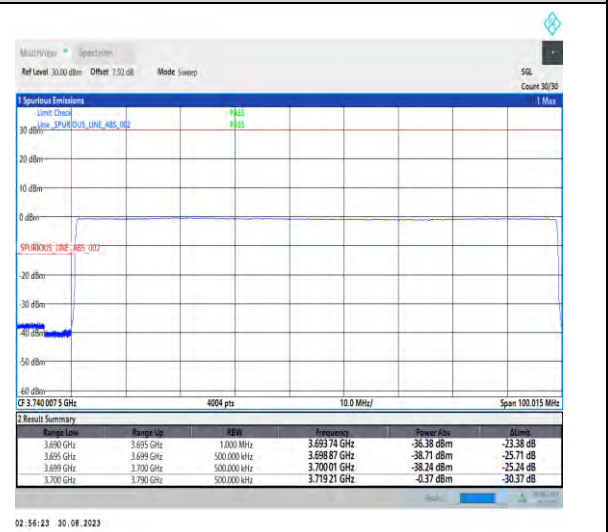
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1-N77-3700-3980-PC2-30-90-L-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-90-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant5-1--PASS-see graph



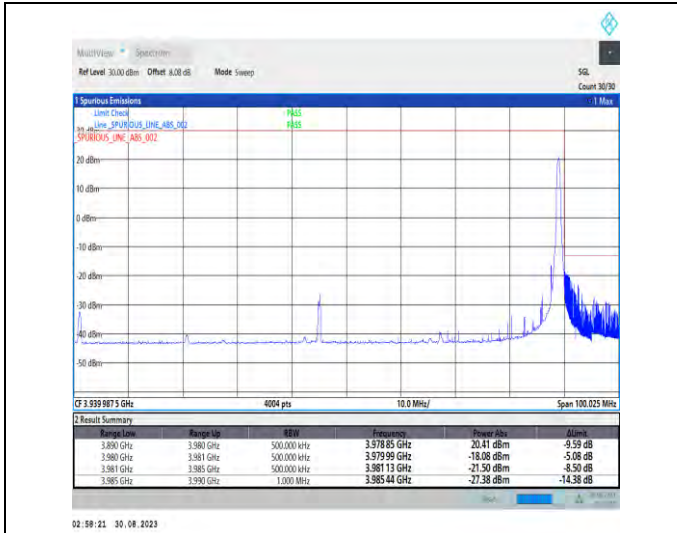
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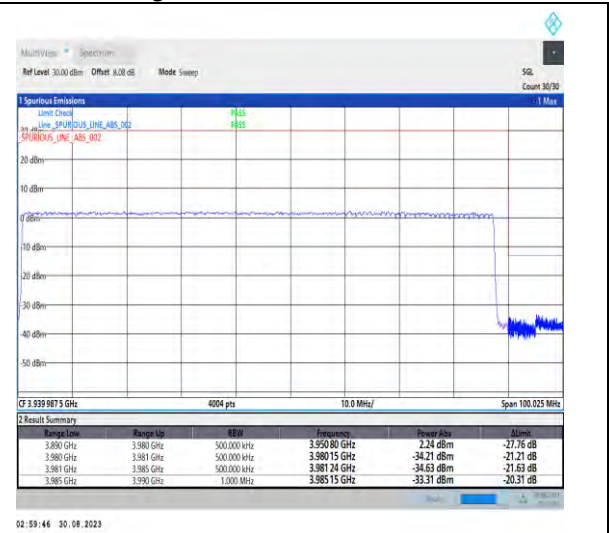
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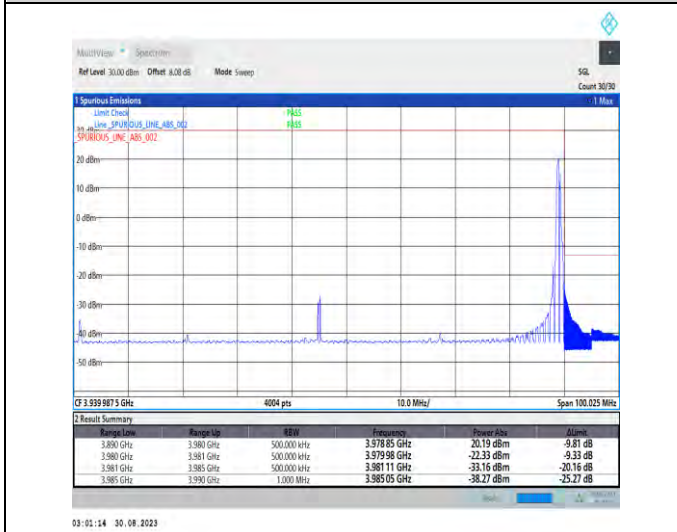




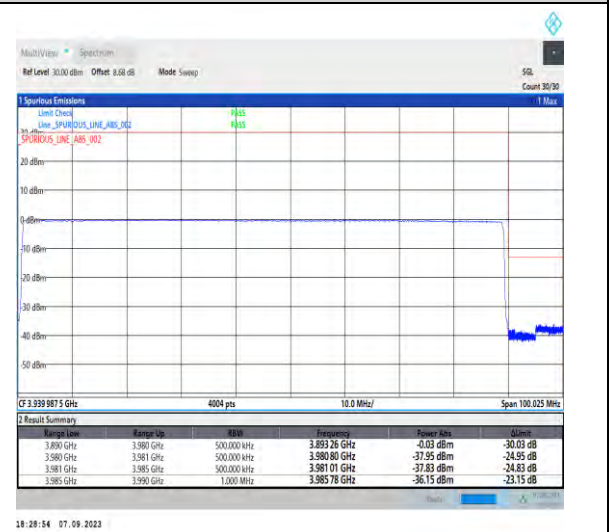
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1-N77-3700-3980-PC2-30-90-H-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-90-H-5-CP-QPSK-Edge\_1RB\_Right-1@244-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-90-H-6-CP-QPSK-Outer\_Full-245@0-Ant5-1--PASS-see graph

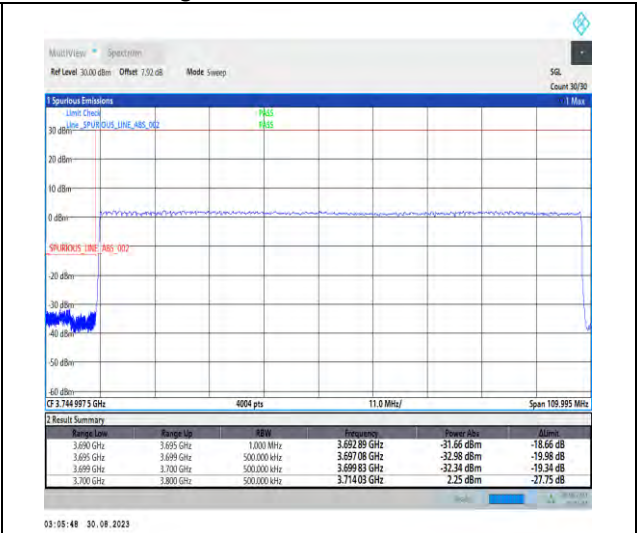
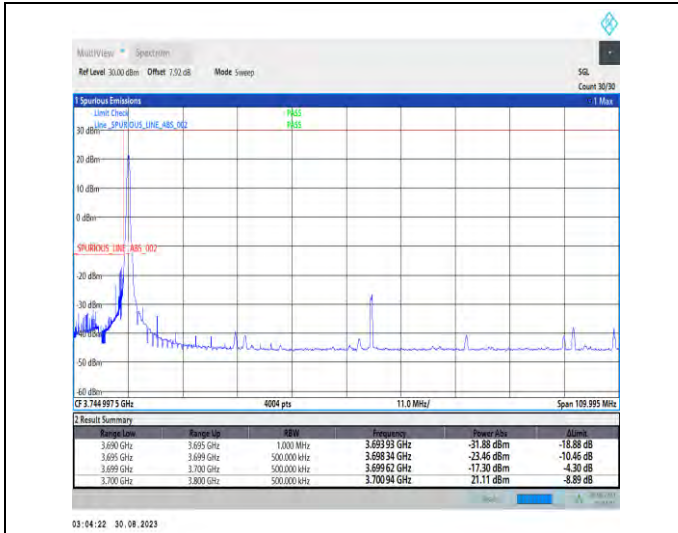


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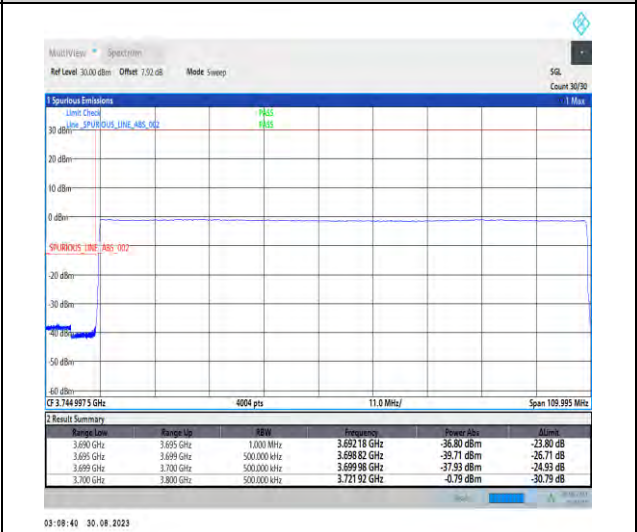
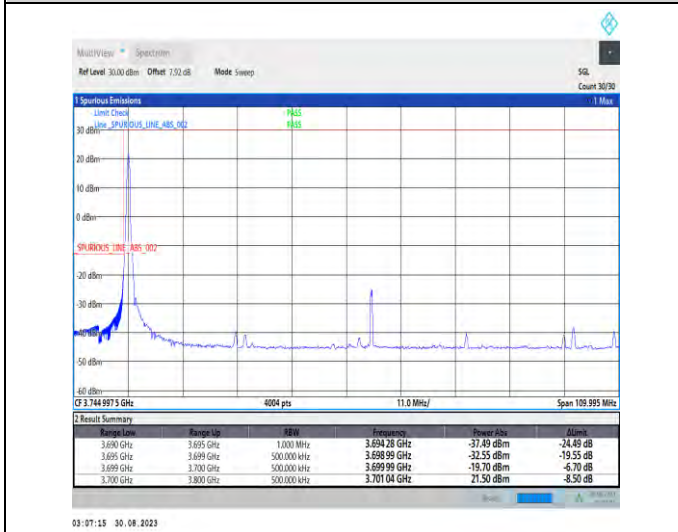
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1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Edge\_e\_1RB\_Left-1@0-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-100-L-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-100-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant5-1--PASS-see graph

1-N77-3700-3980-PC2-30-100-L-6-CP-QPSK-Outer\_Full-273@0-Ant5-1--PASS-see graph



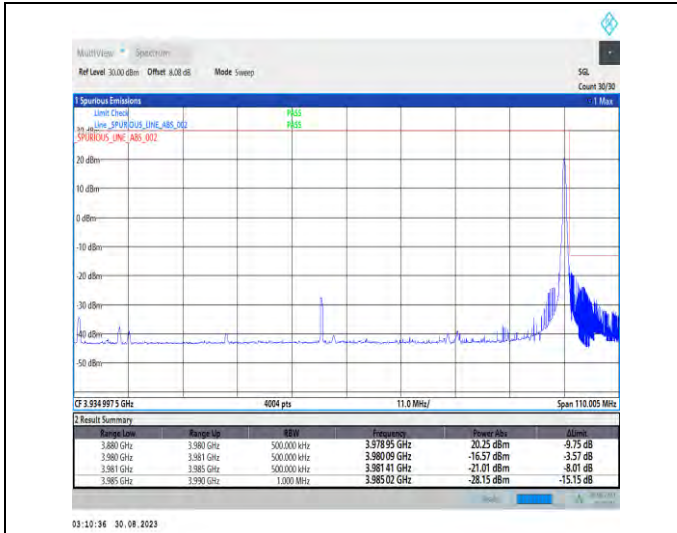
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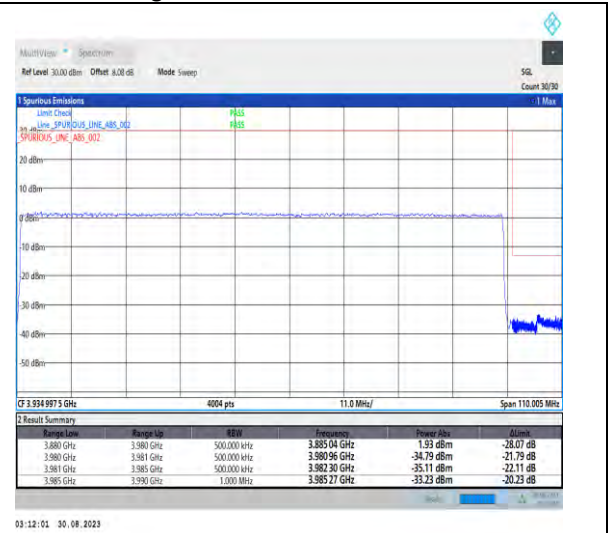
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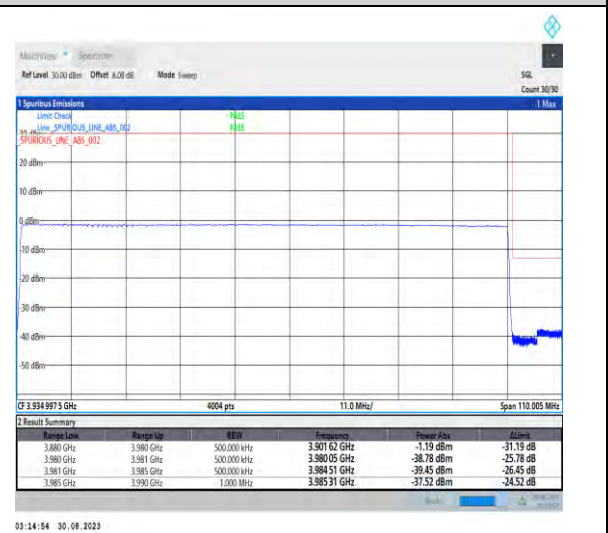
1-N77-3700-3980-PC2-30-100-H-2-DFT-PI2BPSK-Edge\_1\_RB\_Right-1@272-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-100-H-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-100-H-5-CP-QPSK-Edge\_1\_RB\_Right-1@272-Ant5-1--PASS-see graph



1-N77-3700-3980-PC2-30-100-H-6-CP-QPSK-Outer\_Full-273@0-Ant5-1--PASS-see graph



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## Conducted Spurious Emission for SA

### Test Graphs

<p>1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant5-0.02--79.58--43                  -PASS</p>	<p>1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant5-29.97--88.98--33-PASS</p>
<p>1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant5-111.00--69.45--13                  -PASS</p>	<p>1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant5-5422.50--39.10--13-PASS</p>

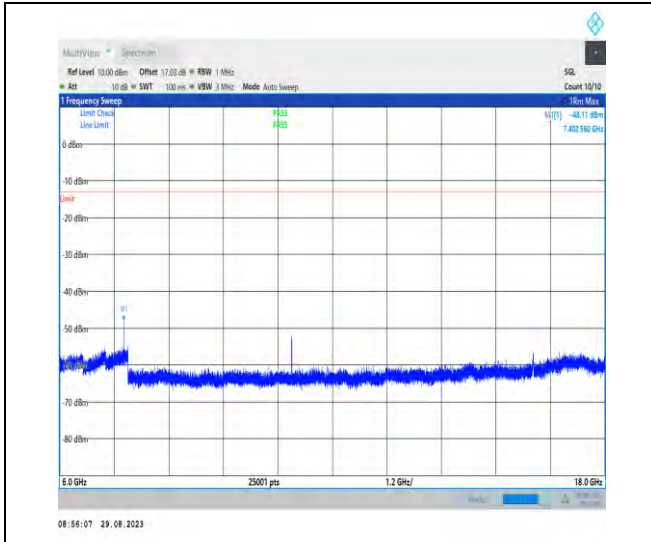


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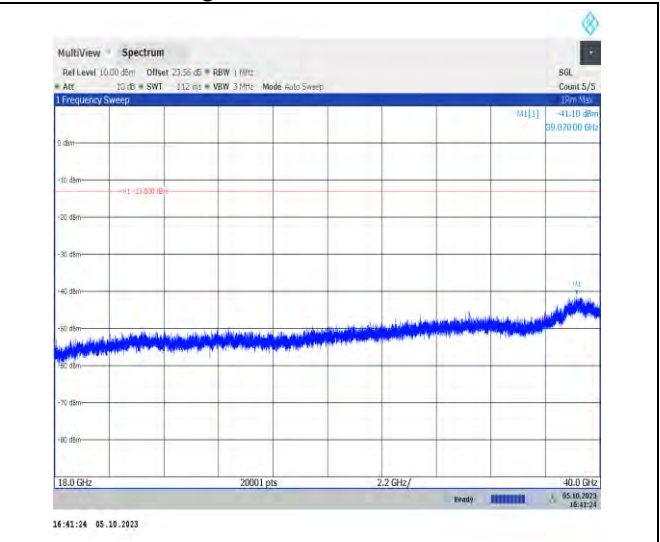
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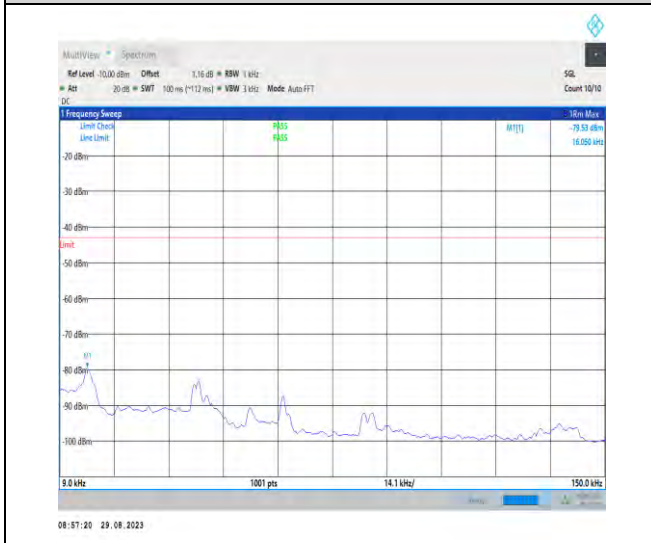




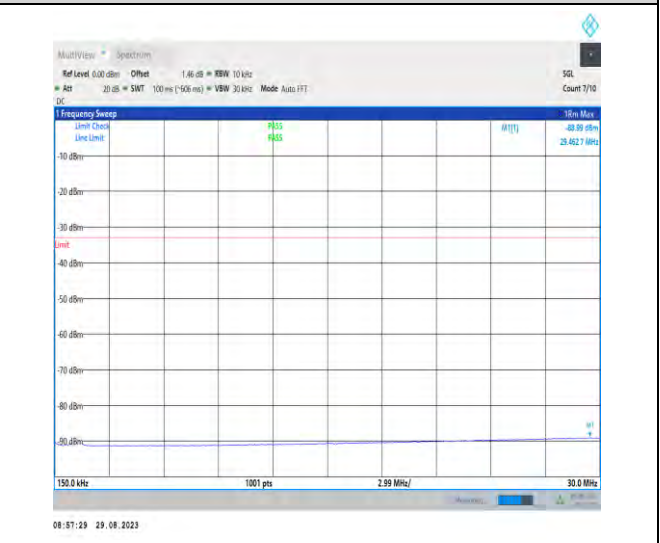
1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-6000-18000-Ant5-7402.56--48.11--13-PASS



1-N77-3700-3980-PC2-30-100-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-18000-40000-Ant5-18000.00--57.11--13-PASS



1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant5-0.02--79.53--43-PASS

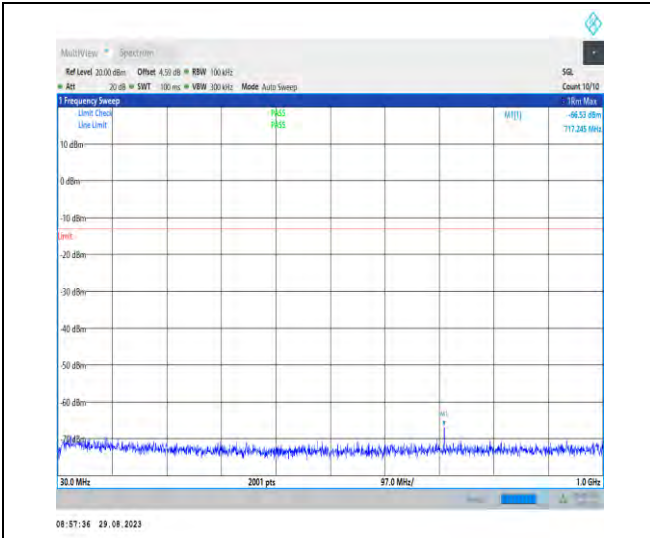


1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant5-29.46--88.99--33-PASS

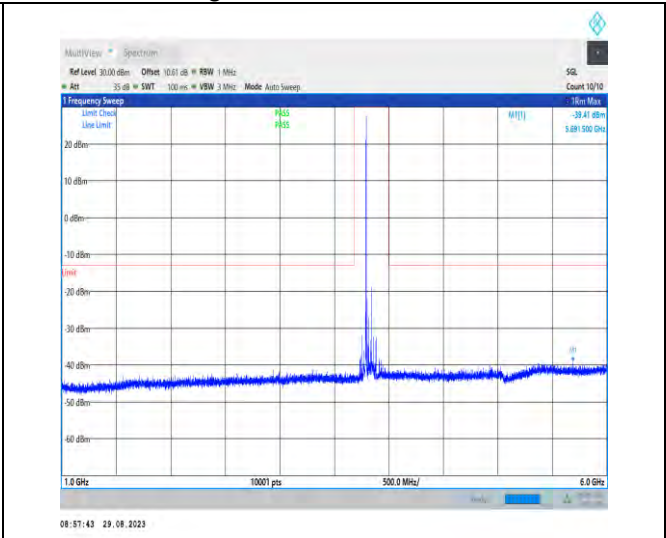


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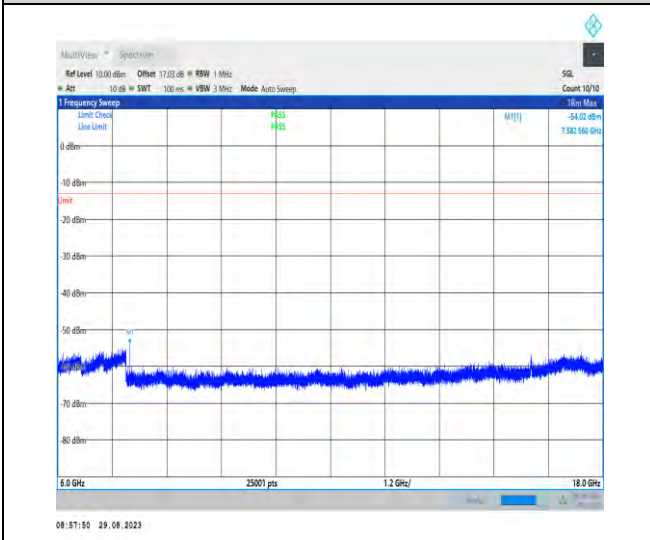
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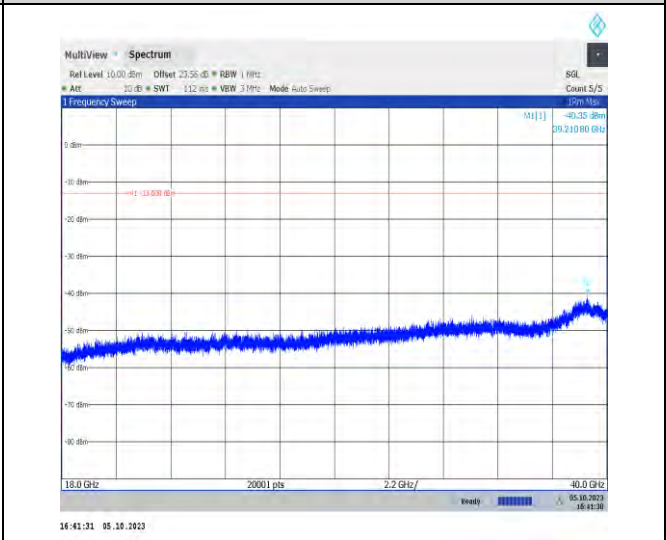
1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant5-717.25--66.53--3-PASS



1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-1000-6000-Ant5-5691.50--39.41--13-PASS



1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-6000-18000-Ant5-7582.56--54.02--13-PASS



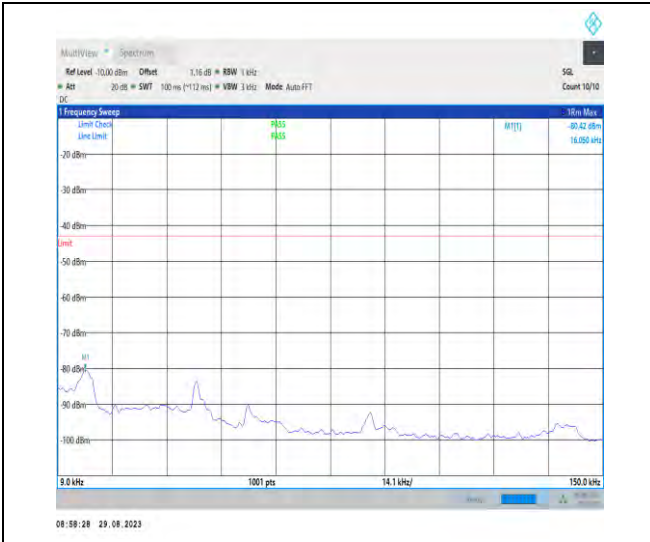
1-N77-3700-3980-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-18000-40000-Ant5-18000.00--57.83--13-PASS



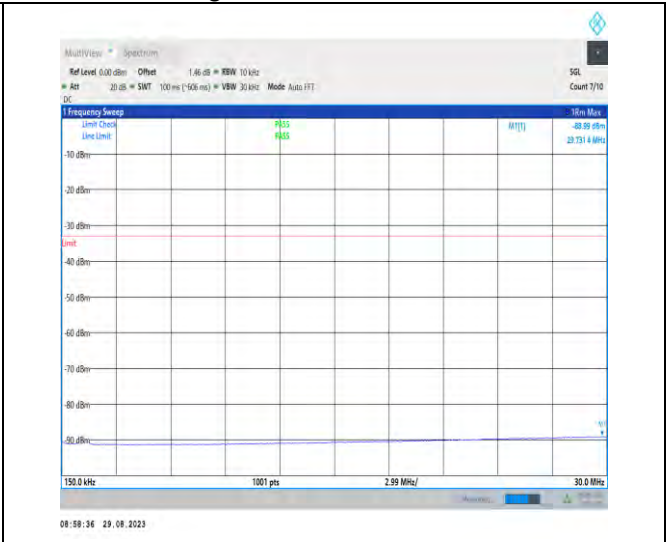
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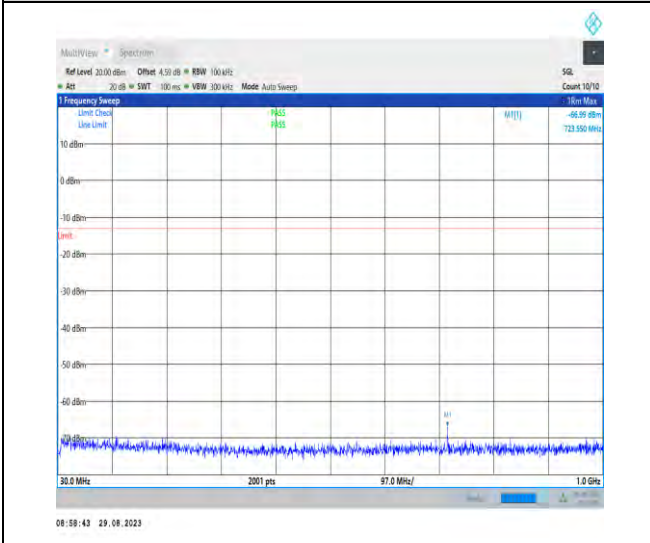




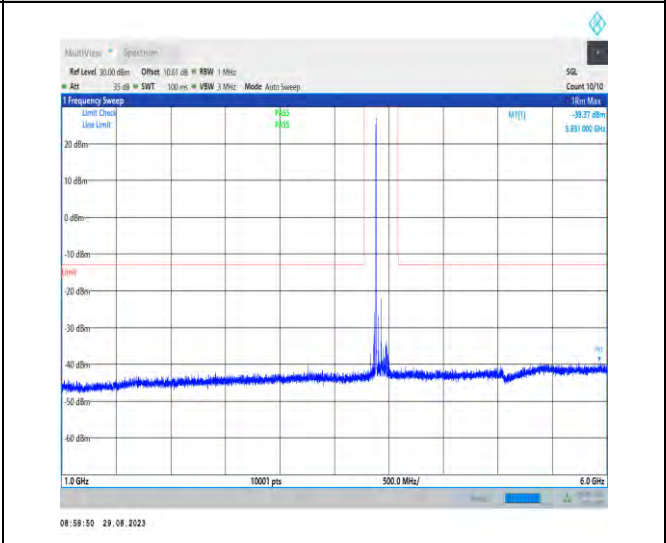
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Inner\_1RB\_Left-1@1-0.009-0.15-Ant5-0.02--80.42--4  
3-PASS



1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-0.15-30-Ant5-29.73--88.99--33-P  
ASS



1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-I  
nner\_1RB\_Left-1@1-30-1000-Ant5-723.55--66.99--1  
3-PASS



1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-1000-6000-Ant5-5931.00--39.37--  
13-PASS

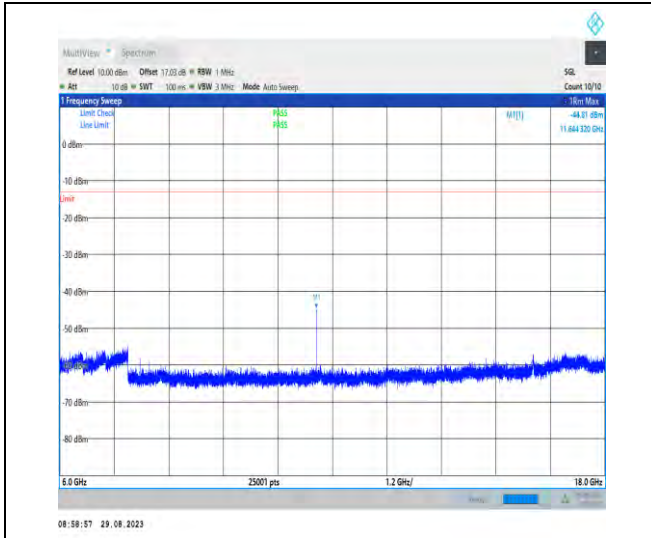


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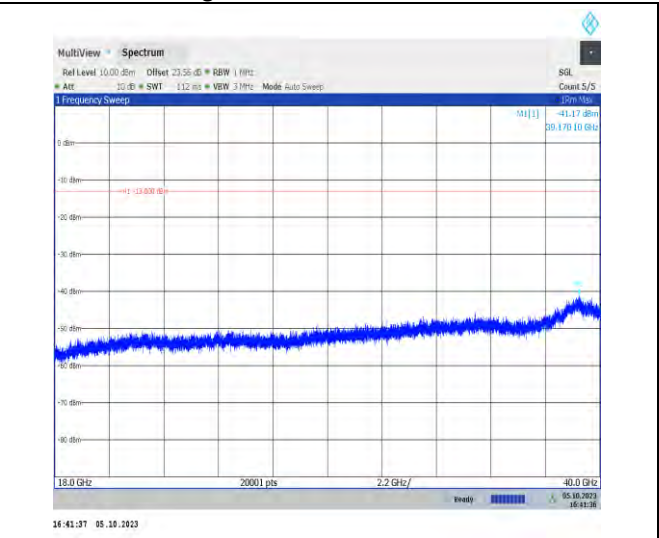
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1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-I  
 nner\_1RB\_Left-1@1-6000-18000-Ant5-11644.32--4  
 4.81--13-PASS



1-N77-3700-3980-PC2-30-100-H-1-DFT-PI2BPSK-In  
 ner\_1RB\_Left-1@1-18000-40000-Ant5-18000.00--56  
 .97--13-PASS



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## Field Strength of Spurious Radiation

Test Band = SA Band77\_100MHz\_TM1

Test Channel = Low 3700-3980

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7514.875	39.86	-43.11	36.61	-61.90	-13.00	48.90	Horizontal
2	8424.525	38.90	-41.48	36.59	-61.25	-13.00	48.25	Horizontal
3	9323.25	35.73	-40.04	36.91	-62.65	-13.00	49.65	Horizontal
4	10676.8	32.46	-37.61	38.54	-61.87	-13.00	48.87	Horizontal
5	12940.575	29.50	-37.04	39.08	-63.72	-13.00	50.72	Horizontal
6	15461.95	27.64	-34.71	40.33	-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	7617.225	39.68	-42.78	36.65	-61.71	-13.00	48.71	Vertical
2	8429.125	38.90	-41.50	36.59	-61.27	-13.00	48.27	Vertical
3	9266.9	35.59	-40.03	36.81	-62.89	-13.00	49.89	Vertical
4	11428.325	31.43	-37.23	38.74	-62.31	-13.00	49.31	Vertical
5	12704.25	29.77	-36.82	39.01	-63.30	-13.00	50.30	Vertical
6	15155.475	29.28	-34.08	40.97	-59.09	-13.00	46.09	Vertical



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Test Band = SA Band77\_100MHz\_TM1

Test Channel = Mid 3700-3980

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7448.75	39.66	-42.98	36.46	-62.12	-13.00	49.12	Horizontal
2	9100.725	36.12	-40.41	36.49	-63.06	-13.00	50.06	Horizontal
3	9997.725	34.18	-39.38	38.20	-62.26	-13.00	49.26	Horizontal
4	11167.85	31.79	-36.97	38.72	-61.72	-13.00	48.72	Horizontal
5	12387.425	29.48	-36.95	38.92	-63.81	-13.00	50.81	Horizontal
6	14319.425	29.05	-35.71	41.03	-60.89	-13.00	47.89	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8531.475	38.17	-41.51	36.53	-62.07	-13.00	49.07	Vertical
2	9418.125	36.02	-39.93	37.09	-62.07	-13.00	49.07	Vertical
3	10237.5	33.84	-39.16	38.32	-62.27	-13.00	49.27	Vertical
4	11426.025	31.76	-37.25	38.74	-62.01	-13.00	49.01	Vertical
5	12609.95	29.50	-37.16	38.98	-63.94	-13.00	50.94	Vertical
6	15318.2	28.23	-33.95	40.63	-60.34	-13.00	47.34	Vertical



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**Test Band = SA Band77\_100MHz\_TM1**

**Test Channel = High 3700-3980**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7138.25	40.03	-43.64	35.59	-63.28	-13.00	50.28	Horizontal
2	9185.25	36.11	-40.02	36.65	-62.52	-13.00	49.52	Horizontal
3	10061.55	34.49	-38.96	38.23	-61.50	-13.00	48.50	Horizontal
4	12228.15	30.42	-36.98	38.87	-62.95	-13.00	49.95	Horizontal
5	13468.425	29.41	-36.47	39.94	-62.37	-13.00	49.37	Horizontal
6	15325.675	27.92	-33.96	40.62	-60.68	-13.00	47.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8331.95	38.15	-41.71	36.63	-62.19	-13.00	49.19	Vertical
2	10362.85	34.03	-38.81	38.38	-61.66	-13.00	48.66	Vertical
3	11427.175	31.55	-37.24	38.74	-62.21	-13.00	49.21	Vertical
4	13151.6	28.58	-36.59	39.37	-63.90	-13.00	50.90	Vertical
5	13930.15	29.47	-35.33	40.77	-60.35	-13.00	47.35	Vertical
6	15154.9	28.66	-34.08	40.97	-59.71	-13.00	46.71	Vertical



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Test Band = NSA 2A-N77A\_ TM1

Test Channel = Low 3700-3980

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7310.1800	38.79	-43.27	36.07	-63.67	-13.00	50.67	Horizontal
2	8413.025	38.99	-41.43	36.59	-61.10	-13.00	48.10	Horizontal
3	9601.55	35.41	-39.20	37.44	-61.61	-13.00	48.61	Horizontal
4	10965.2700	30.70	-37.67	38.68	-63.54	-13.00	50.54	Horizontal
5	13335.025	30.37	-36.69	39.70	-61.87	-13.00	48.87	Horizontal
6	14620.3600	28.42	-35.23	41.15	-60.92	-13.00	47.92	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7310.1800	39.37	-43.27	36.07	-63.09	-13.00	50.09	Vertical
2	7789.725	39.99	-42.62	36.72	-61.17	-13.00	48.17	Vertical
3	9663.075	35.56	-39.38	37.56	-61.52	-13.00	48.52	Vertical
4	10965.2700	30.42	-37.67	38.68	-63.82	-13.00	50.82	Vertical
5	12824.425	30.25	-36.68	39.05	-62.64	-13.00	49.64	Vertical
6	14620.3600	27.83	-35.23	41.15	-61.51	-13.00	48.51	Vertical



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Test Band = NSA 2A-N77A\_ TM1

Test Channel = Mid 3700-3980

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7590.1800	38.28	-42.78	36.64	-63.13	-13.00	50.13	Horizontal
2	8402.1	39.33	-41.38	36.60	-60.71	-13.00	47.71	Horizontal
3	9427.9	36.17	-39.93	37.11	-61.91	-13.00	48.91	Horizontal
4	11835.2700	28.70	-37.25	38.78	-65.03	-13.00	52.03	Horizontal
5	14322.875	29.62	-35.68	41.03	-60.29	-13.00	47.29	Horizontal
6	15180.3600	26.56	-33.90	40.92	-61.68	-13.00	48.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7590.1800	38.64	-42.78	36.64	-62.77	-13.00	49.77	Vertical
2	8406.125	39.56	-41.40	36.60	-60.50	-13.00	47.50	Vertical
3	11835.2700	27.86	-37.25	38.78	-65.87	-13.00	52.87	Vertical
4	13849.075	29.74	-35.92	40.63	-60.81	-13.00	47.81	Vertical
5	15180.3600	26.63	-33.90	40.92	-61.61	-13.00	48.61	Vertical



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**Test Band = NSA 2A-N77A\_ TM1**  
**Test Channel = High 3700-3980**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7870.1800	38.24	-42.69	36.75	-62.96	-13.00	49.96	Horizontal
2	8652.225	37.84	-41.13	36.47	-62.07	-13.00	49.07	Horizontal
3	10680.25	32.46	-37.59	38.54	-61.85	-13.00	48.85	Horizontal
4	11805.2700	27.49	-37.21	38.78	-66.20	-13.00	53.20	Horizontal
5	14425.8	28.01	-34.86	41.07	-61.04	-13.00	48.04	Horizontal
6	15740.3600	24.81	-33.18	39.74	-63.88	-13.00	50.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7870.1800	38.17	-42.69	36.75	-63.03	-13.00	50.03	Vertical
2	9414.1	35.77	-39.93	37.09	-62.33	-13.00	49.33	Vertical
3	10709.575	32.63	-37.58	38.55	-61.66	-13.00	48.66	Vertical
4	11805.2700	28.01	-37.21	38.78	-65.68	-13.00	52.68	Vertical
5	13926.125	29.28	-35.36	40.77	-60.58	-13.00	47.58	Vertical
6	15740.3600	25.78	-33.18	39.74	-62.91	-13.00	49.91	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
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-3.800000	-0.000990	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.400000	-0.001667	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-2.700000	-0.000703	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-6.900000	-0.001797	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-9.000000	-0.002344	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	-5.200000	-0.001354	PASS



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**Frequency Error VS. Temperature**

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	1.60000	0.006358	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.900000	-0.001276	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-2.60000	0.005239	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	0.100000	0.000026	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.600000	-0.000938	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-3.300000	-0.000859	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-5.400000	-0.001406	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.500000	-0.001172	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-5.600000	-0.001458	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-8.600000	-0.002240	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-9.500000	-0.002474	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-10.700000	-0.002786	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-7.100000	-0.001849	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	3.50000	0.006359	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-5.900000	-0.001536	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-5.800000	-0.001510	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	-6.600000	-0.001719	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	-7.300000	-0.001901	PASS

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