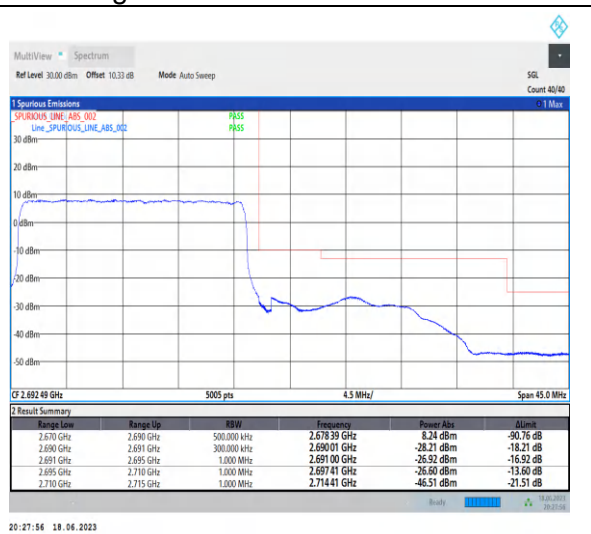
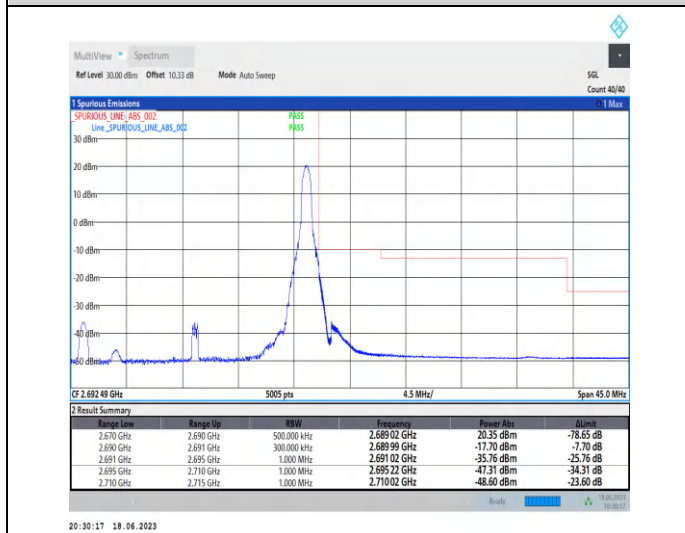


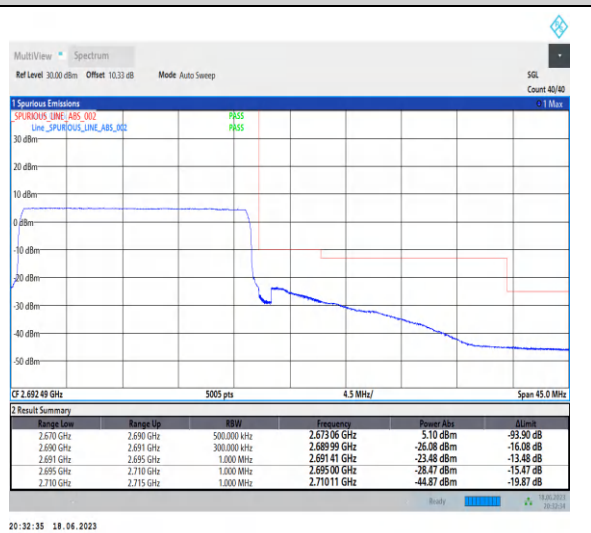
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1-N41-PC3-30-20-H-3-DFT-PI2BPSK-Outer_Full-5 0@0-Ant0-1--PASS-see graph



1-N41-PC3-30-20-H-5-CP-QPSK-Edge_1RB_Righ t-1@50-Ant0-1--PASS-see graph



1-N41-PC3-30-20-H-6-CP-QPSK-Outer_Full-51 @0-Ant0-1--PASS-see graph

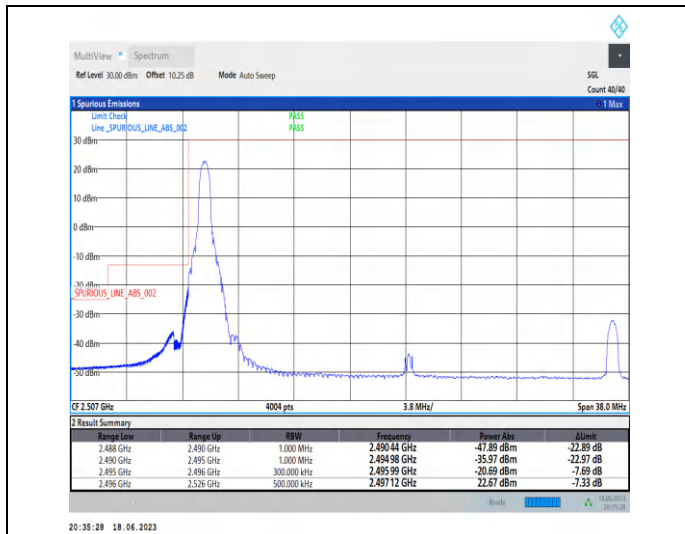


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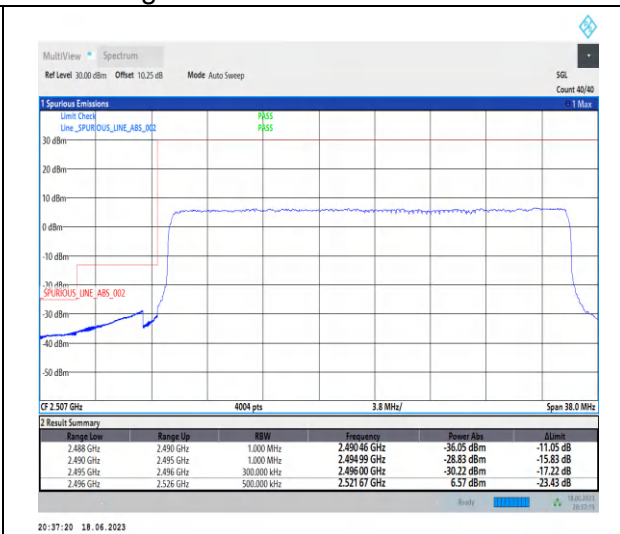
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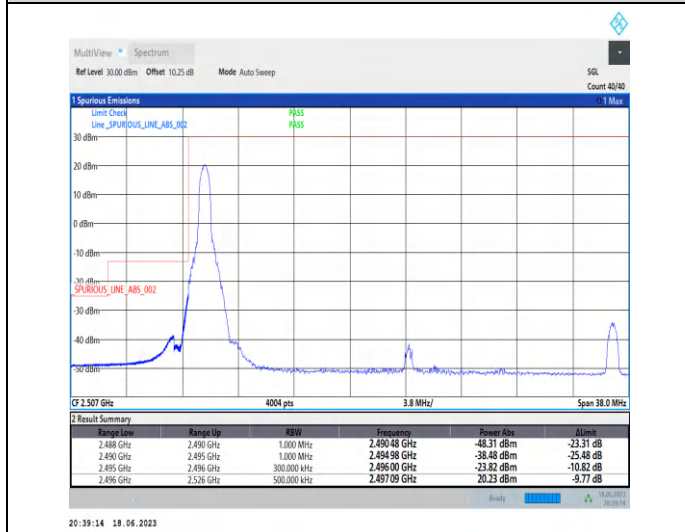
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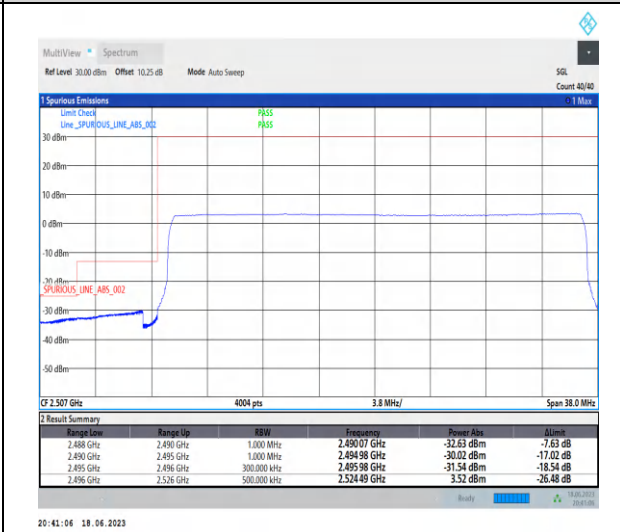
1-N41-PC3-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



1-N41-PC3-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant0-1--PASS-see graph



1-N41-PC3-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



1-N41-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant0-1--PASS-see graph

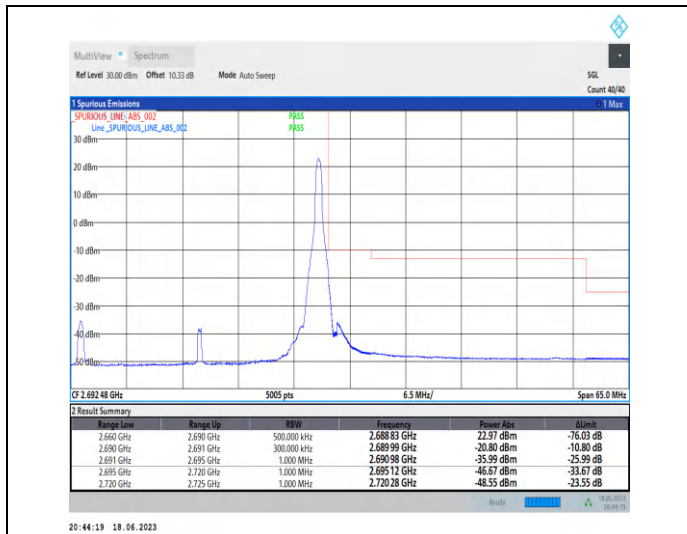


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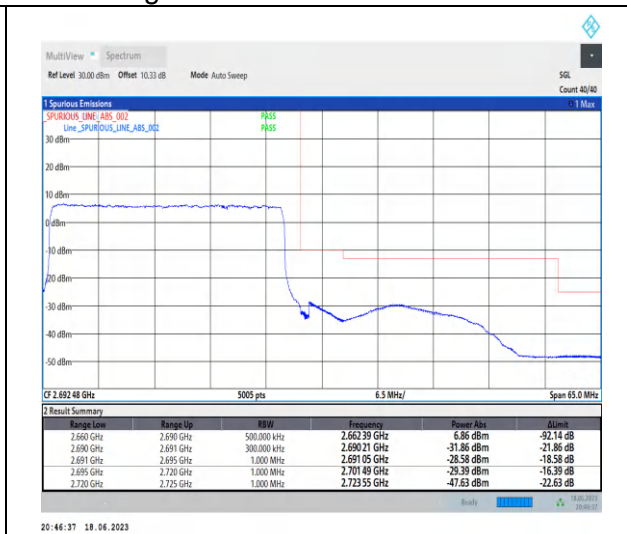
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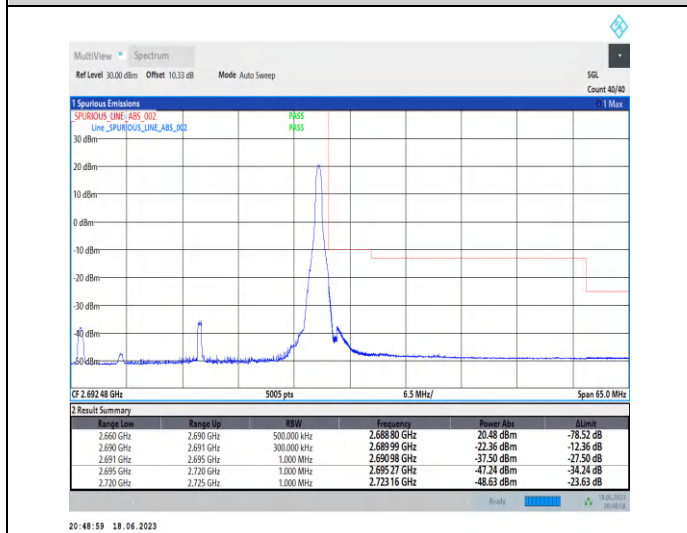
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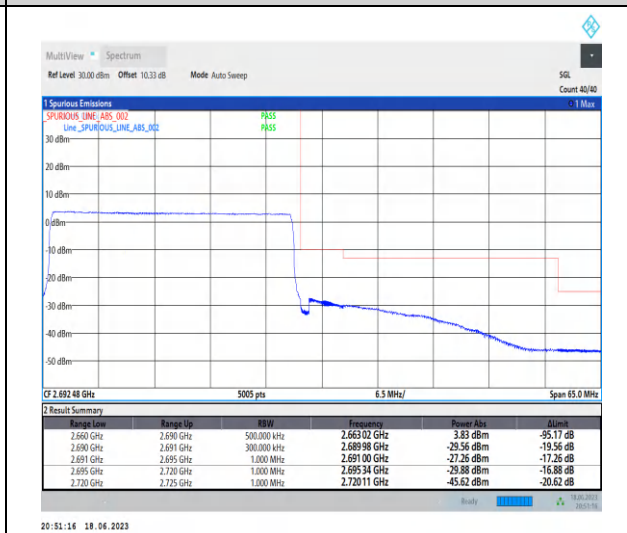
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1-N41-PC3-30-30-H-3-DFT-PI2BPSK-Outer_Full-7 5@0-Ant0-1--PASS-see graph



1-N41-PC3-30-30-H-5-CP-QPSK-Edge_1RB_Righ t-1@77-Ant0-1--PASS-see graph



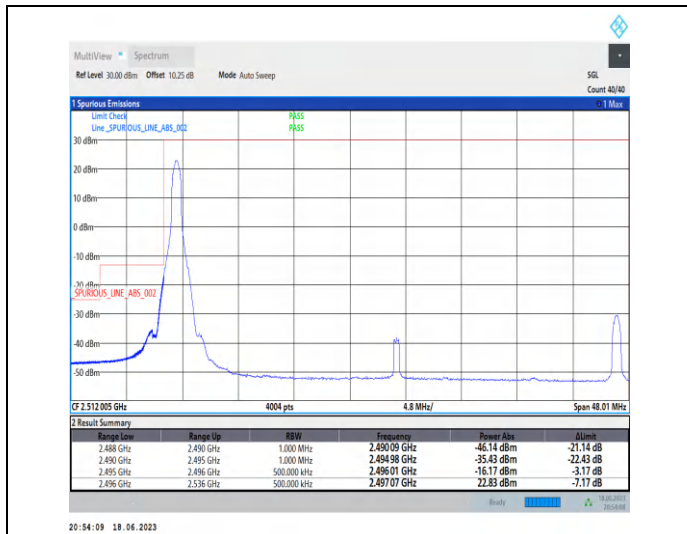
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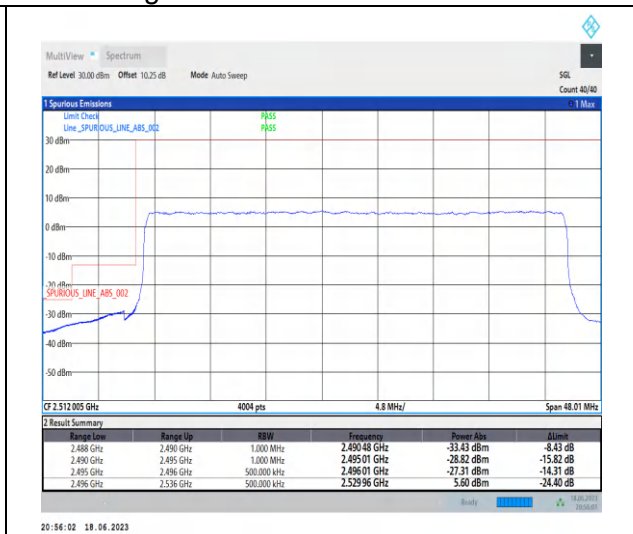
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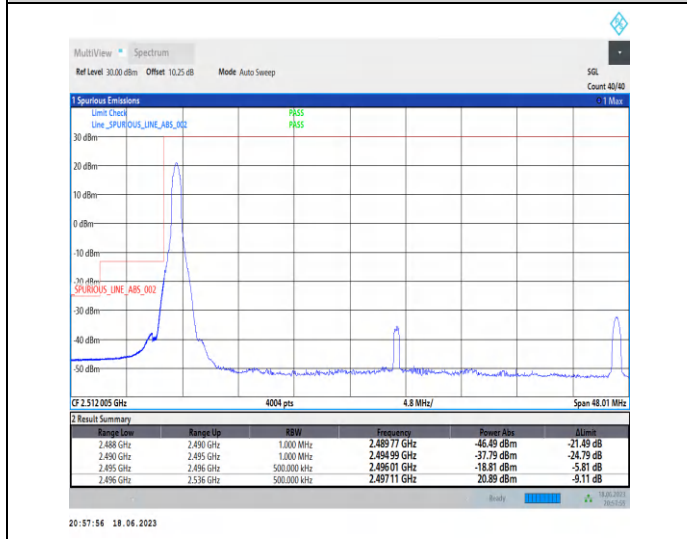
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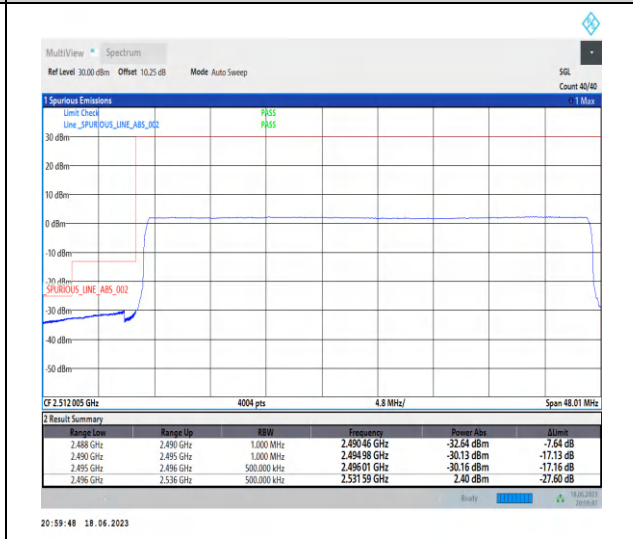
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1-N41-PC3-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant0-1--PASS-see graph



1-N41-PC3-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



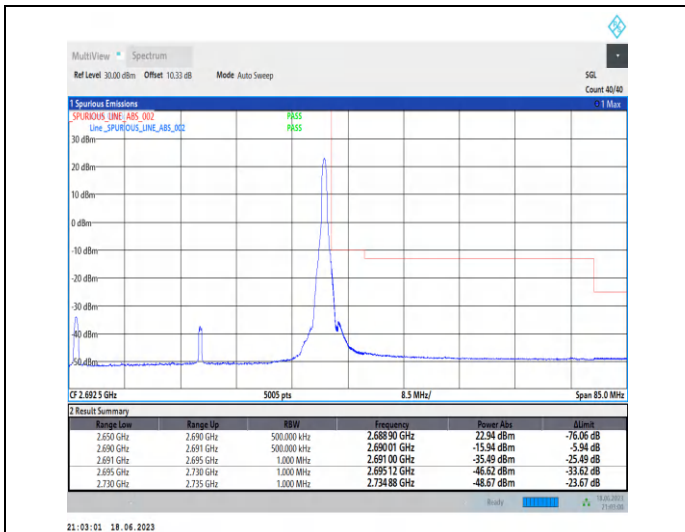
1-N41-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant0-1--PASS-see graph



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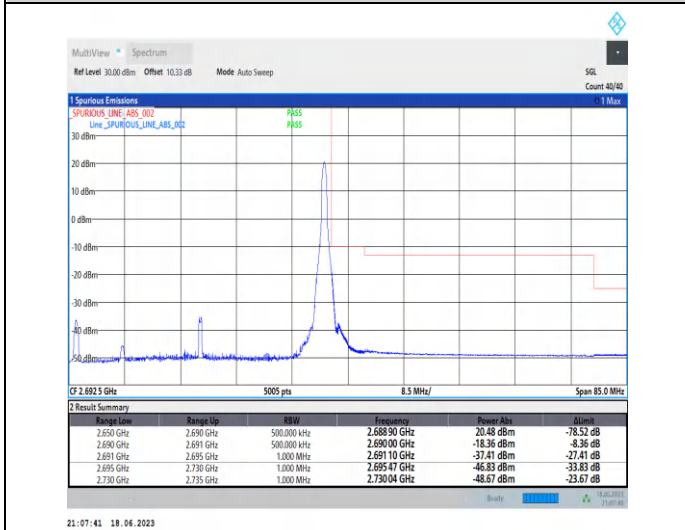
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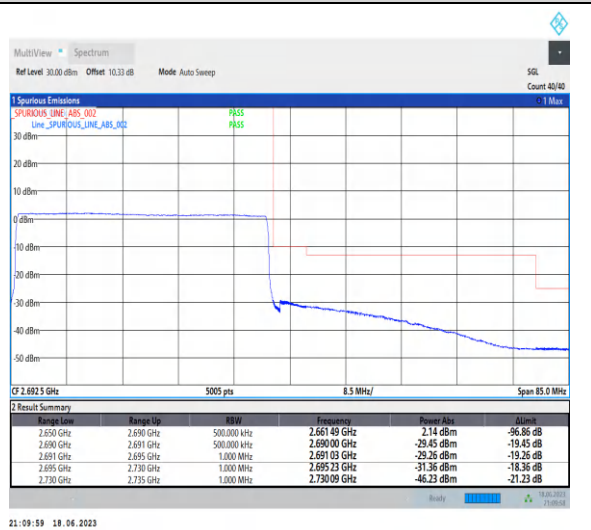
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1-N41-PC3-30-40-H-3-DFT-PI2BPSK-Outer_Full-1 00@0-Ant0-1--PASS-see graph



1-N41-PC3-30-40-H-5-CP-QPSK-Edge_1RB_Righ t-1@105-Ant0-1--PASS-see graph



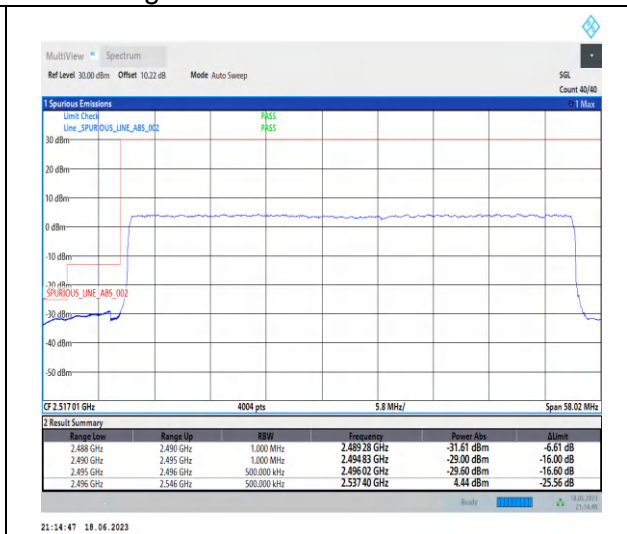
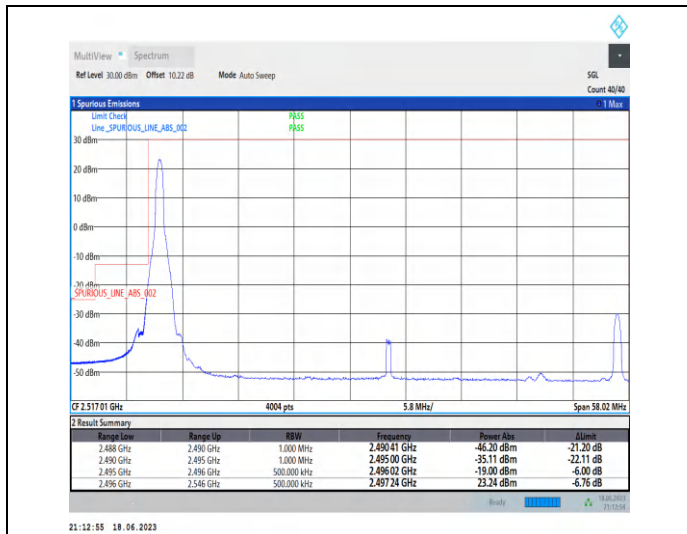
1-N41-PC3-30-40-H-6-CP-QPSK-Outer_Full-106 @0-Ant0-1--PASS-see graph



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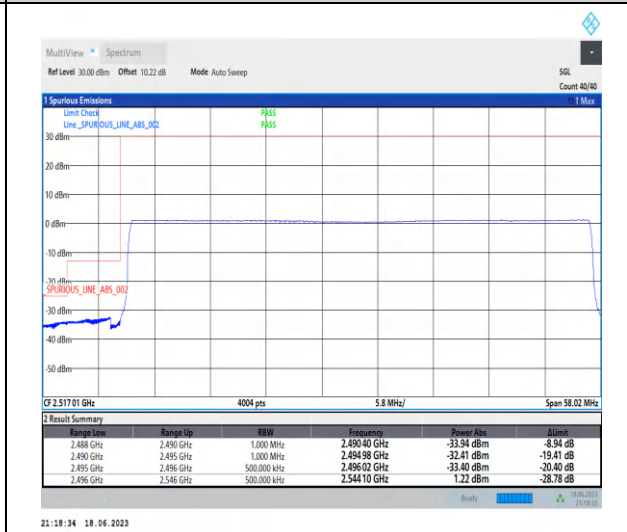
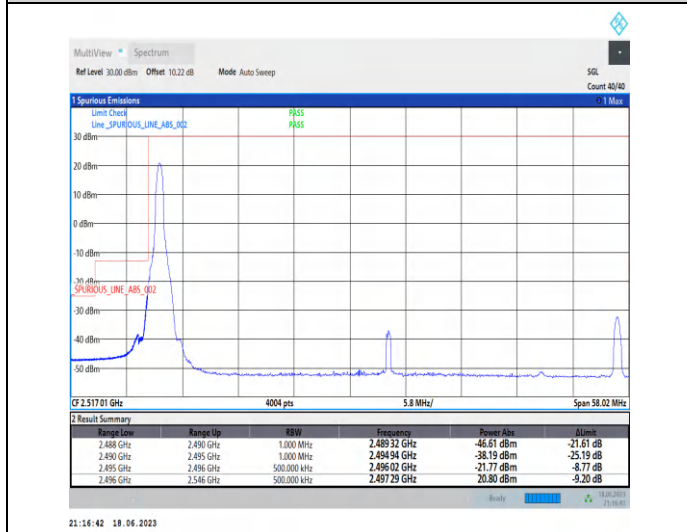
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1-N41-PC3-30-50-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N41-PC3-30-50-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant0-1--PASS-see graph



1-N41-PC3-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

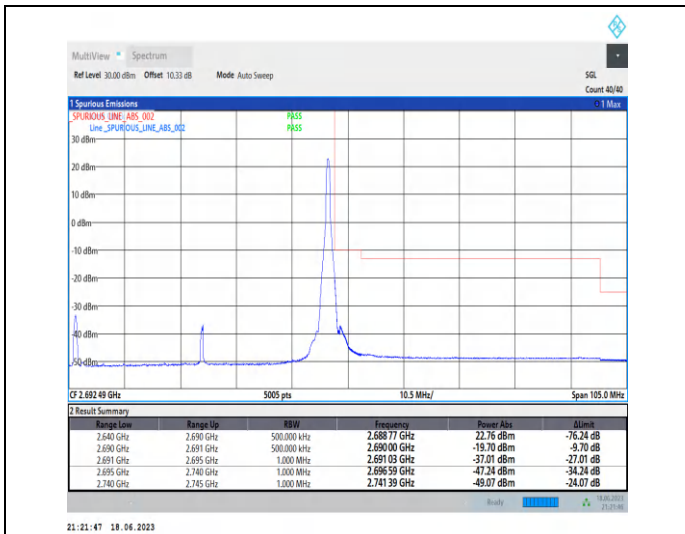
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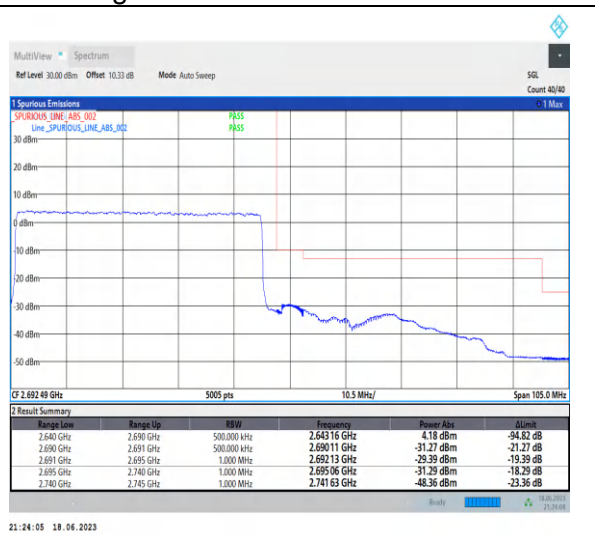
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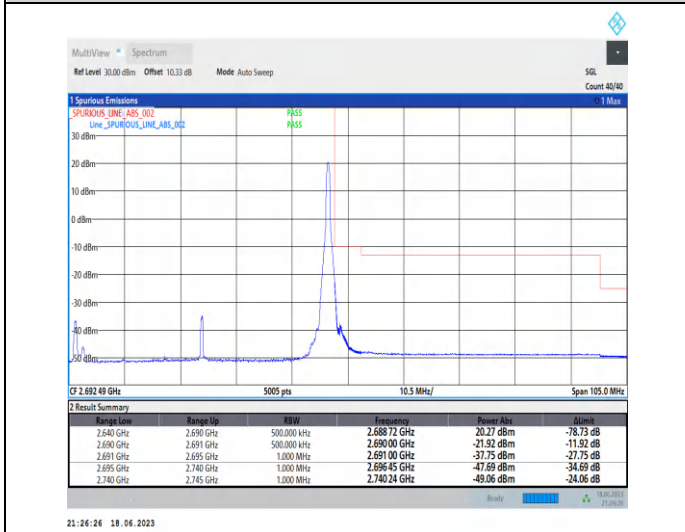
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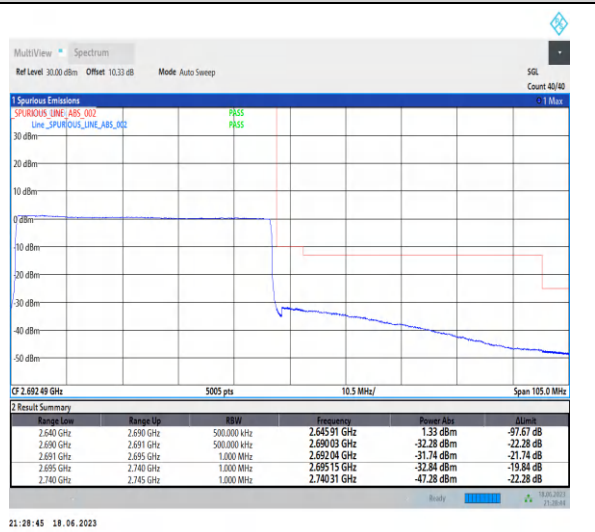
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1-N41-PC3-30-50-H-3-DFT-PI2BPSK-Outer_Full-1 28@0-Ant0-1--PASS-see graph



1-N41-PC3-30-50-H-5-CP-QPSK-Edge_1RB_Righ t-1 @132-Ant0-1--PASS-see graph



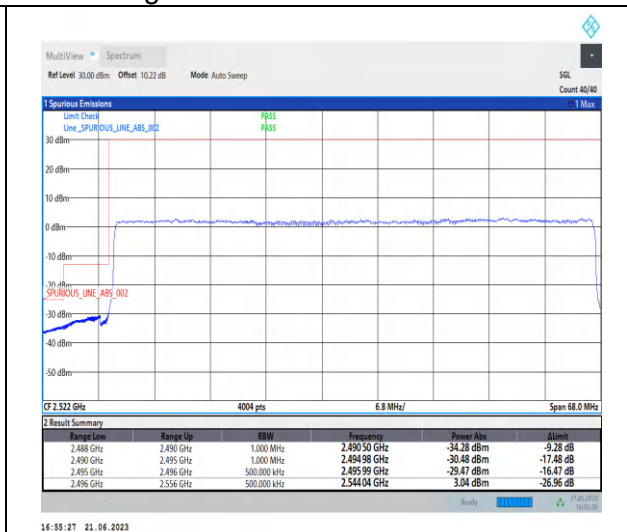
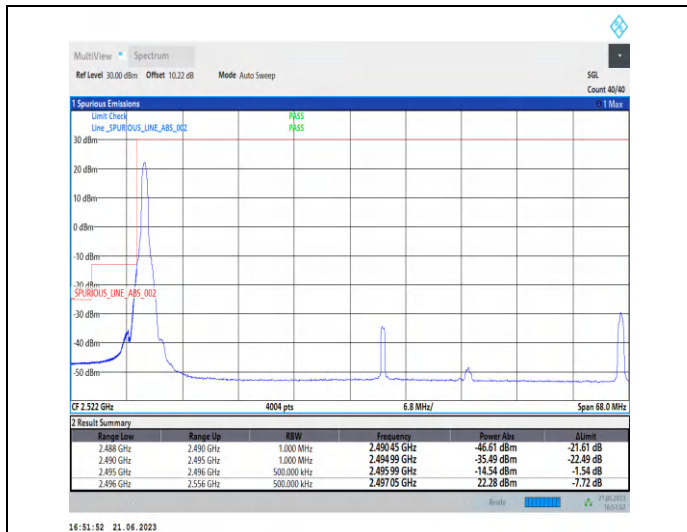
1-N41-PC3-30-50-H-6-CP-QPSK-Outer_Full-133 @0-Ant0-1--PASS-see graph



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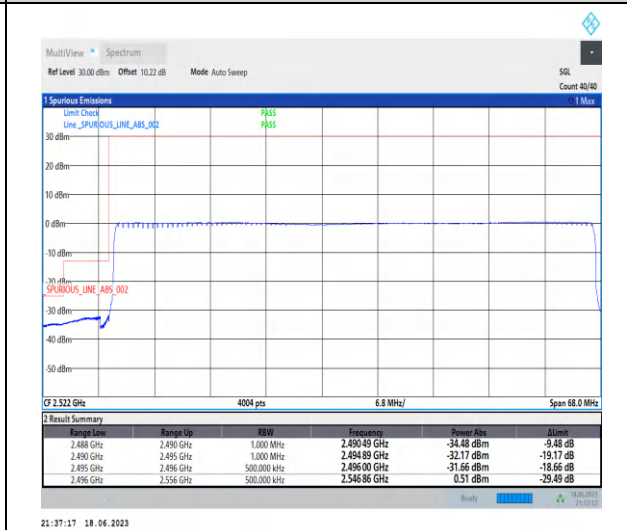
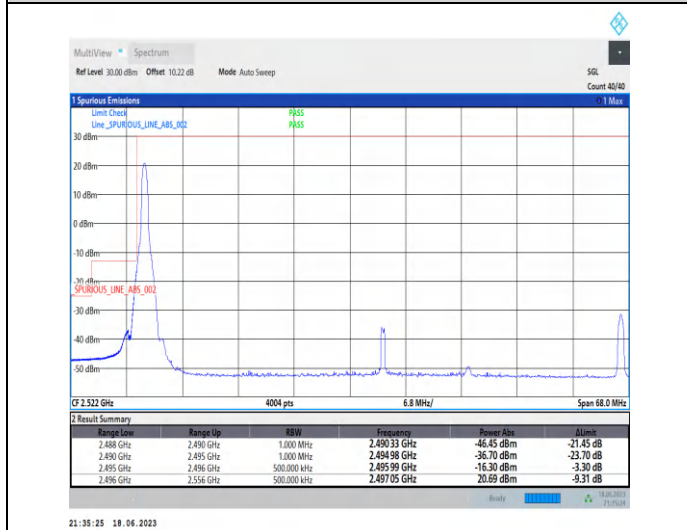
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1-N41-PC3-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N41-PC3-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant0-1--PASS-see graph



1-N41-PC3-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

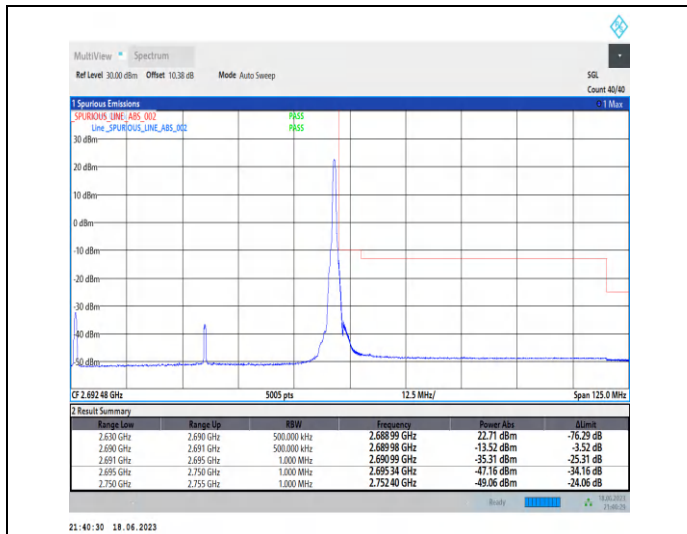
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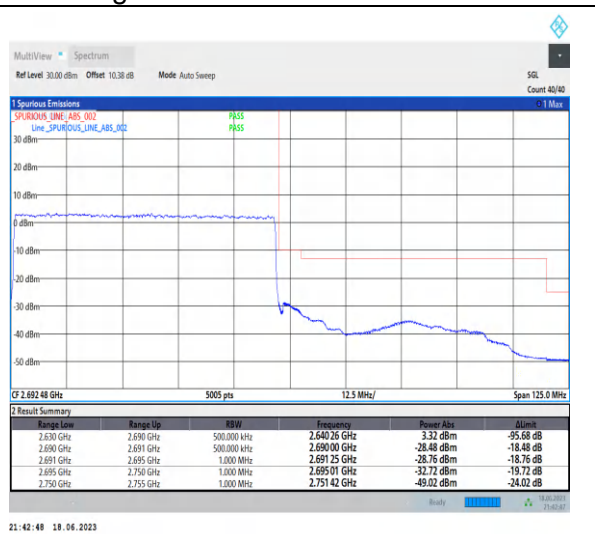
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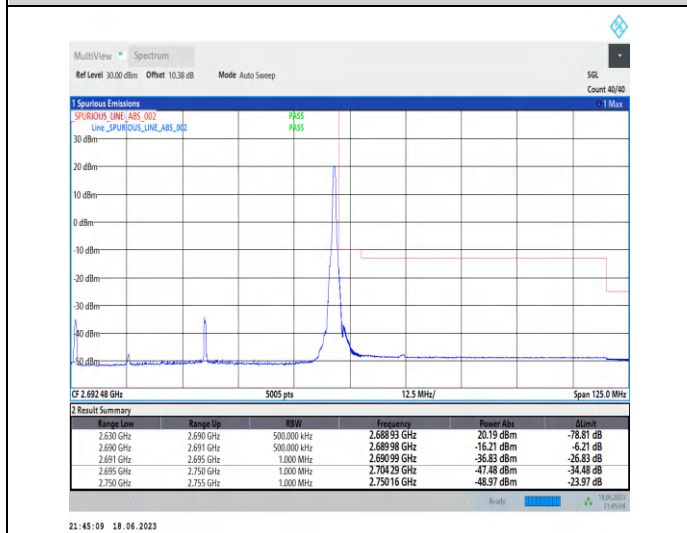
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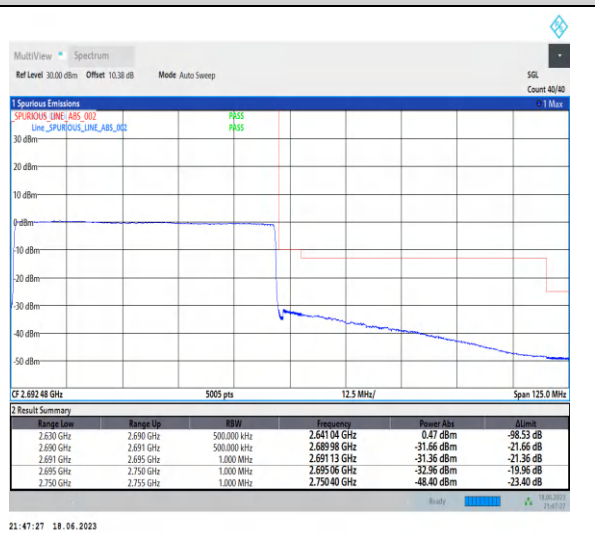
1-N41-PC3-30-60-H-2-DFT-PI2BPSK-Edge_1RB_Righ t-1@161-Ant0-1--PASS-see graph



1-N41-PC3-30-60-H-3-DFT-PI2BPSK-Outer_Full-1 62@0-Ant0-1--PASS-see graph



1-N41-PC3-30-60-H-5-CP-QPSK-Edge_1RB_Righ t-1 @161-Ant0-1--PASS-see graph



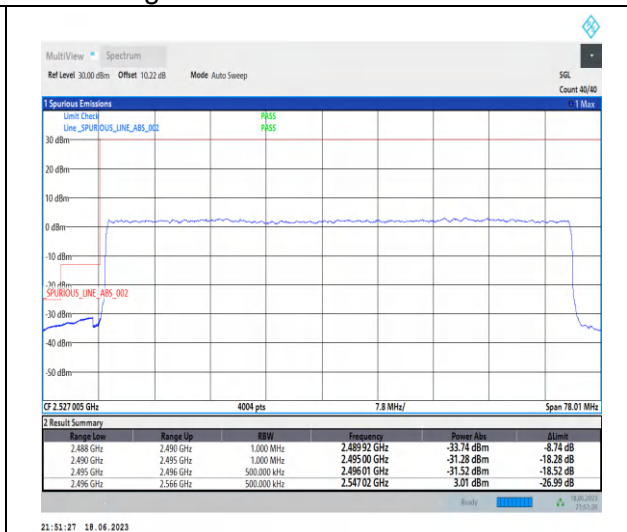
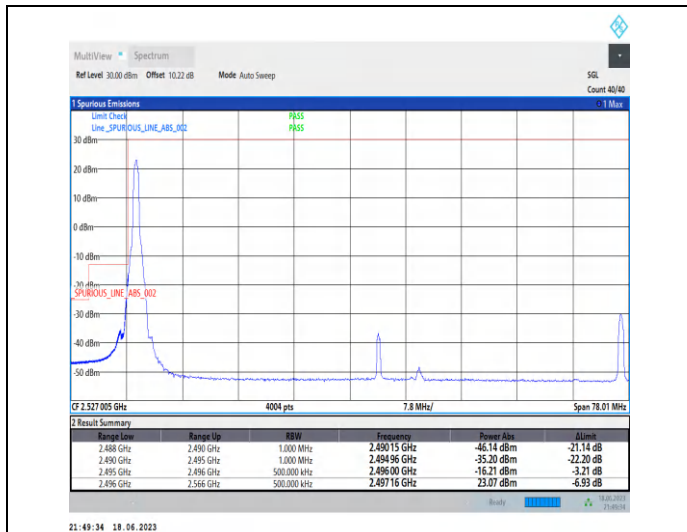
1-N41-PC3-30-60-H-6-CP-QPSK-Outer_Full-1 62 @0-Ant0-1--PASS-see graph



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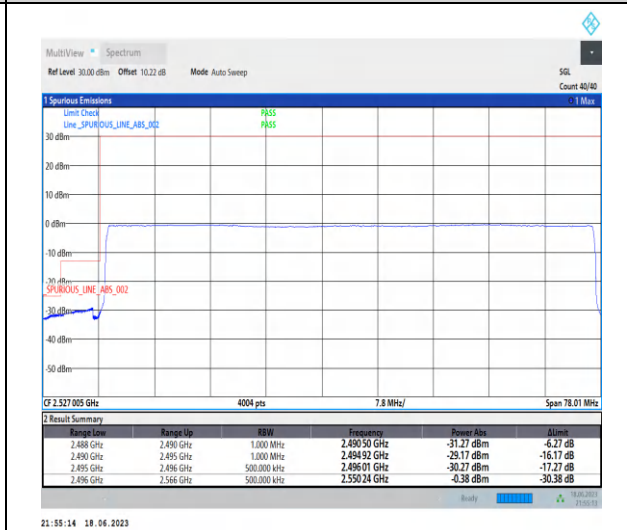
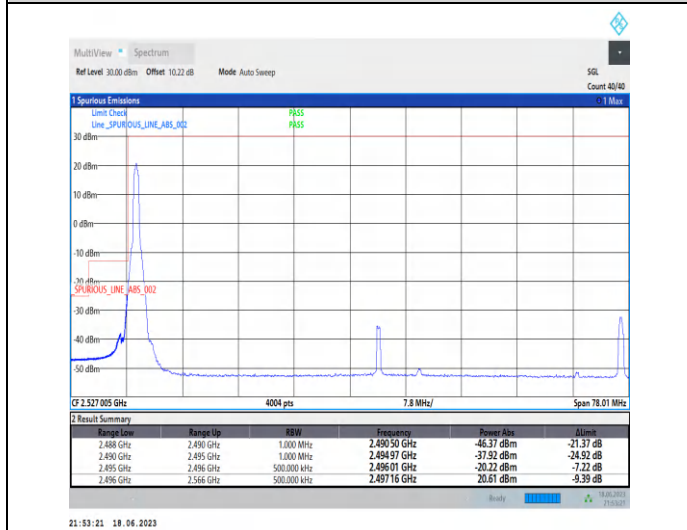
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1-N41-PC3-30-70-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N41-PC3-30-70-L-3-DFT-PI2BPSK-Outer_Full-180@0-Ant0-1--PASS-see graph



1-N41-PC3-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

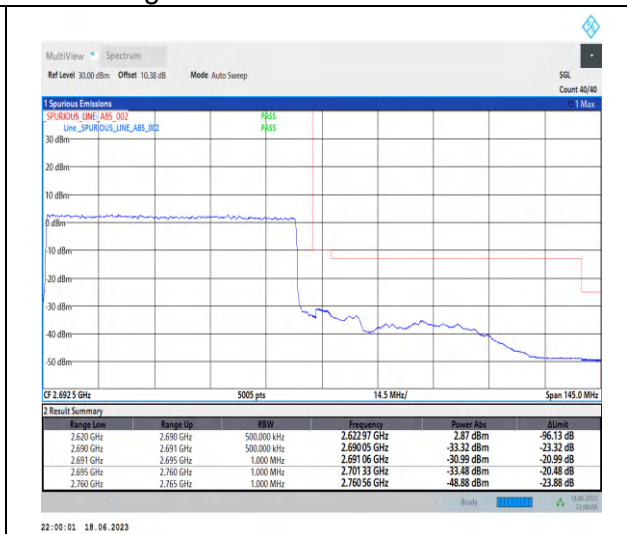
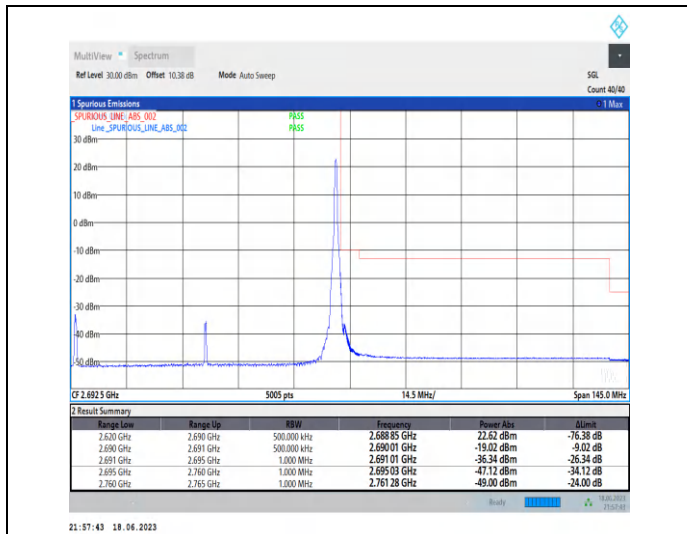
1-N41-PC3-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant0-1--PASS-see graph



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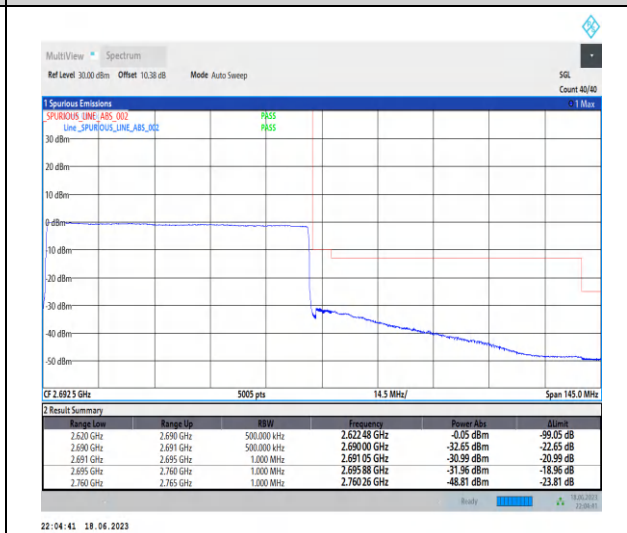
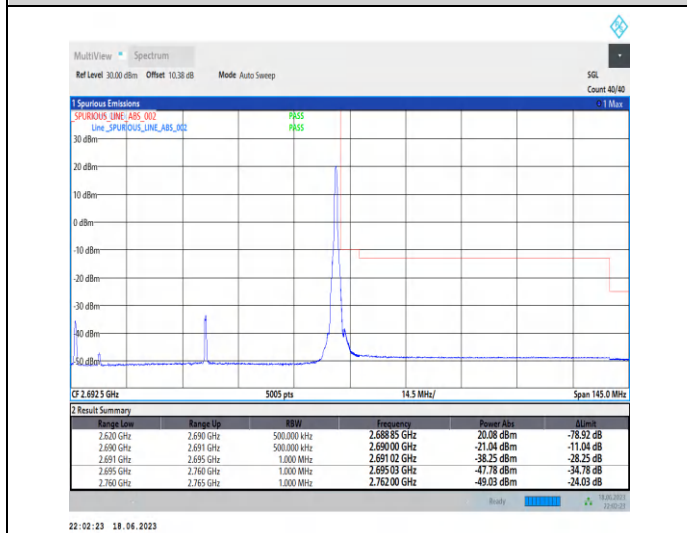
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1-N41-PC3-30-70-H-2-DFT-PI2BPSK-Edge_1RB_Righ t-1@188-Ant0-1--PASS-see graph

1-N41-PC3-30-70-H-3-DFT-PI2BPSK-Outer_Full-1 80@0-Ant0-1--PASS-see graph



1-N41-PC3-30-70-H-5-CP-QPSK-Edge_1RB_Righ t-1@188-Ant0-1--PASS-see graph

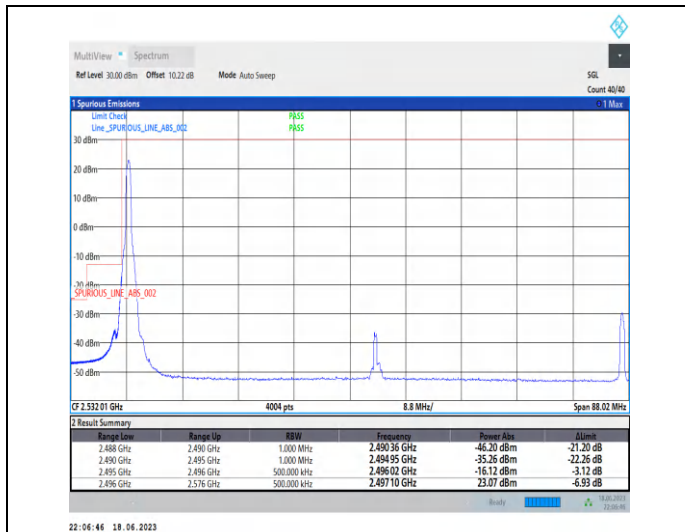
1-N41-PC3-30-70-H-6-CP-QPSK-Outer_Full-189 @0-Ant0-1--PASS-see graph



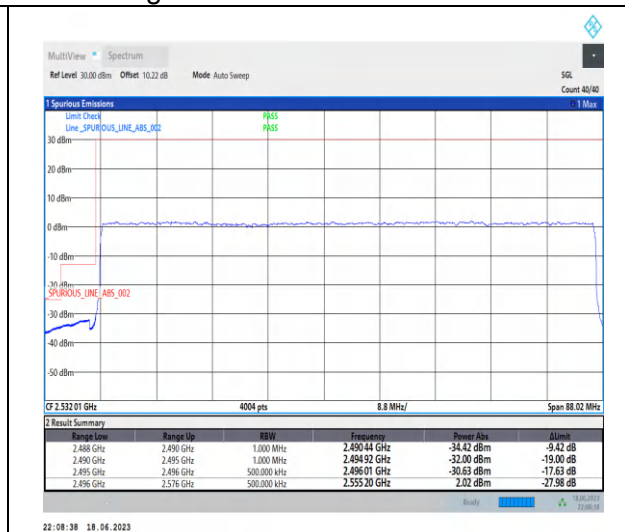
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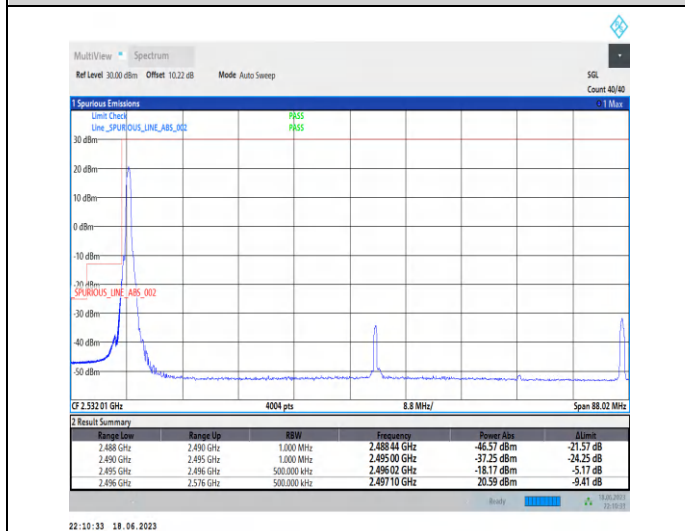
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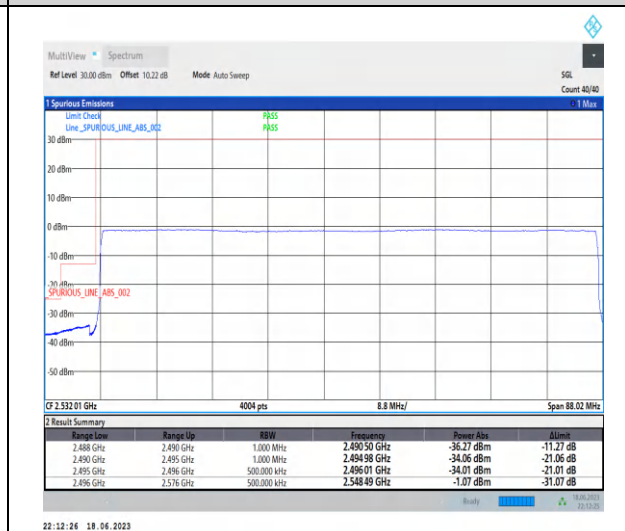
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1-N41-PC3-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant0-1--PASS-see graph



1-N41-PC3-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph



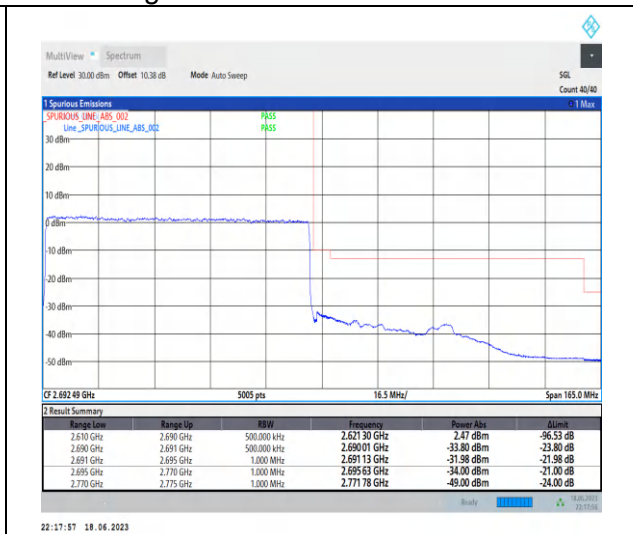
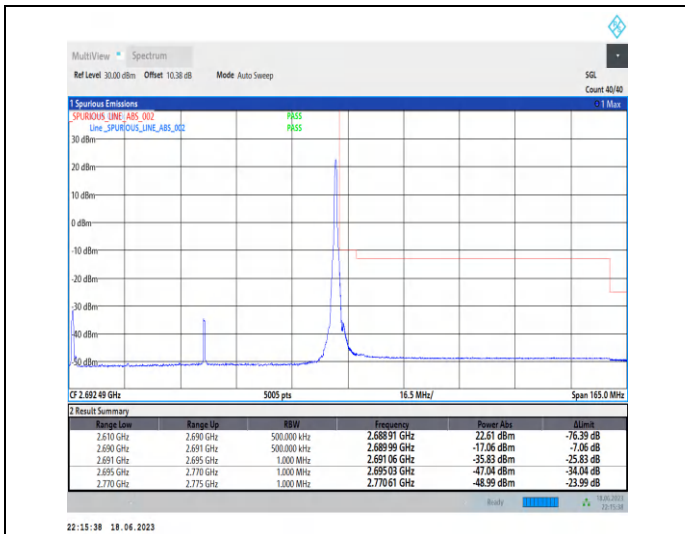
1-N41-PC3-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant0-1--PASS-see graph



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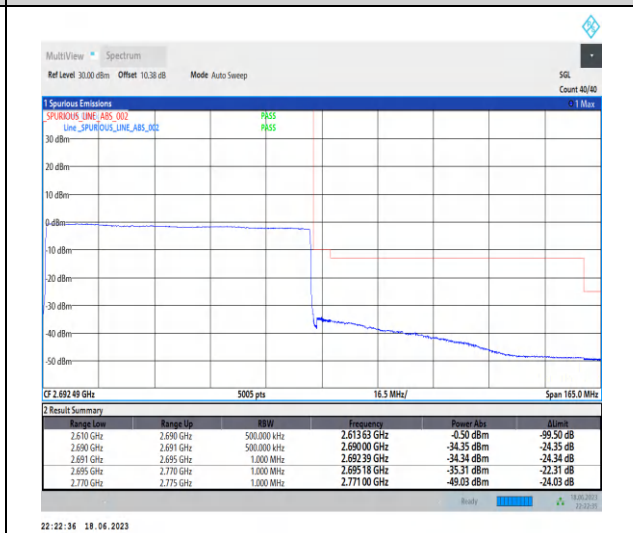
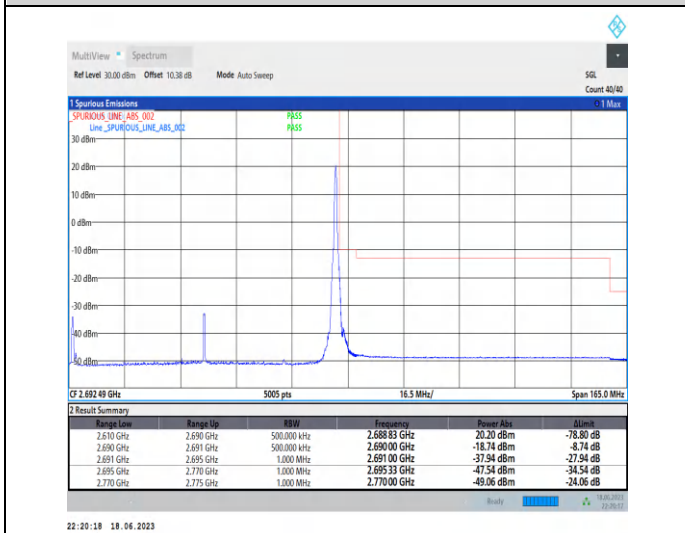
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1-N41-PC3-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Righ t-1@216-Ant0-1--PASS-see graph

1-N41-PC3-30-80-H-3-DFT-PI2BPSK-Outer_Full-2 16@0-Ant0-1--PASS-see graph



1-N41-PC3-30-80-H-5-CP-QPSK-Edge_1RB_Righ t-1@216-Ant0-1--PASS-see graph

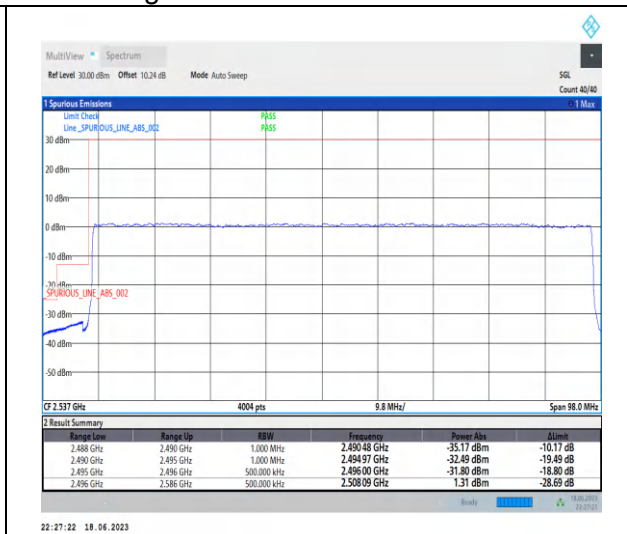
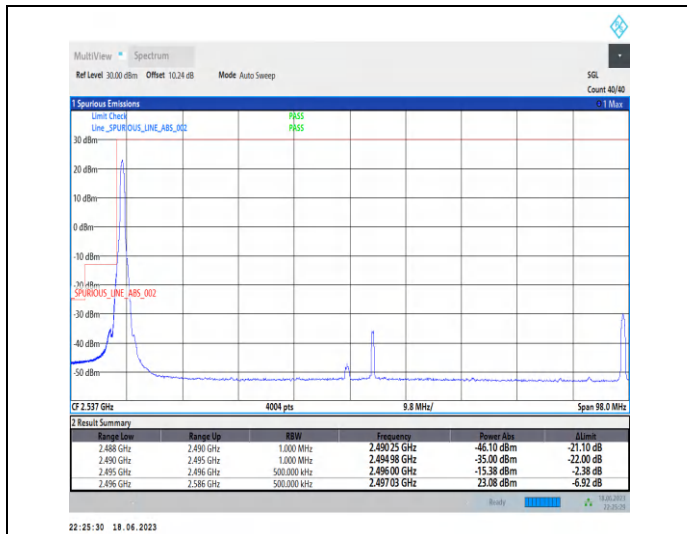
1-N41-PC3-30-80-H-6-CP-QPSK-Outer_Full-217 @0-Ant0-1--PASS-see graph



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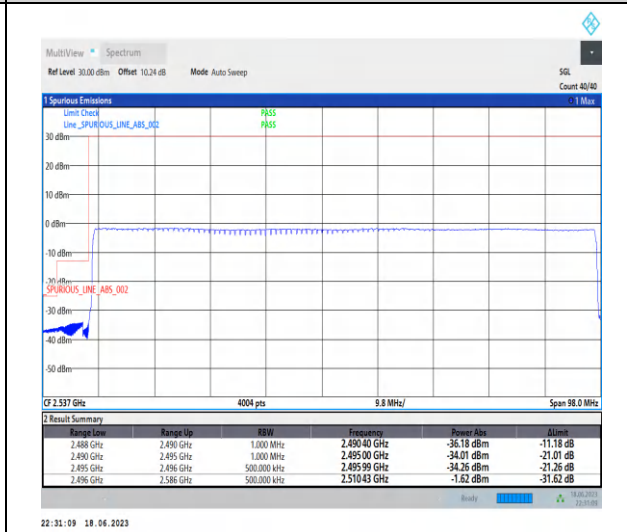
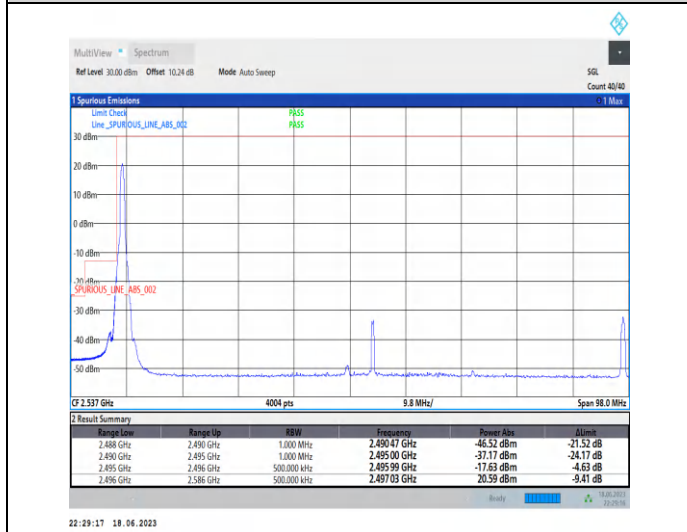
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1-N41-PC3-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N41-PC3-30-90-L-3-DFT-PI2BPSK-Outer_Full-243@0-Ant0-1--PASS-see graph



1-N41-PC3-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

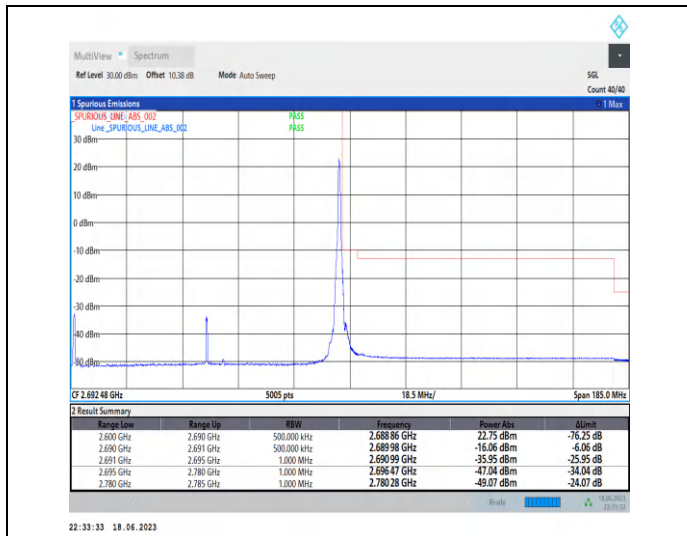
1-N41-PC3-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant0-1--PASS-see graph



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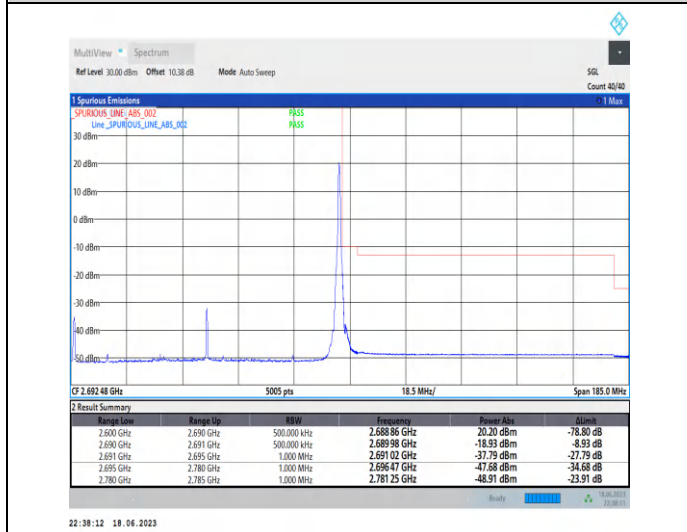
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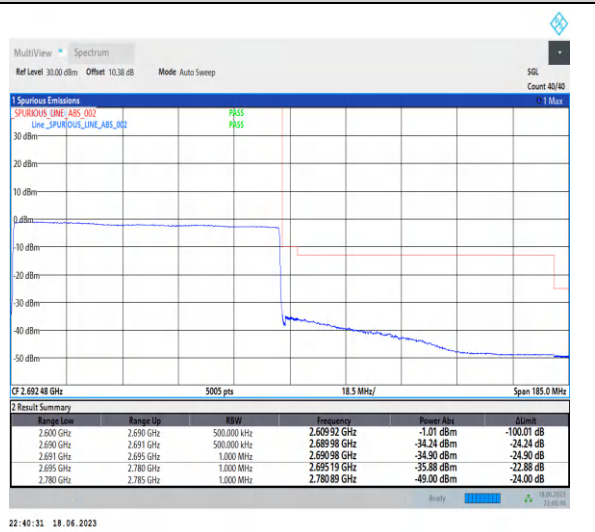
1-N41-PC3-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Righ t-1@244-Ant0-1--PASS-see graph



1-N41-PC3-30-90-H-3-DFT-PI2BPSK-Outer_Full-2 43@0-Ant0-1--PASS-see graph



1-N41-PC3-30-90-H-5-CP-QPSK-Edge_1RB_Righ t-1@244-Ant0-1--PASS-see graph



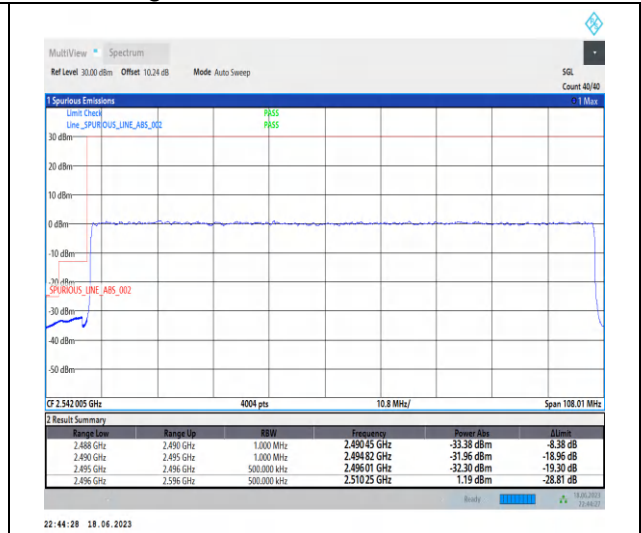
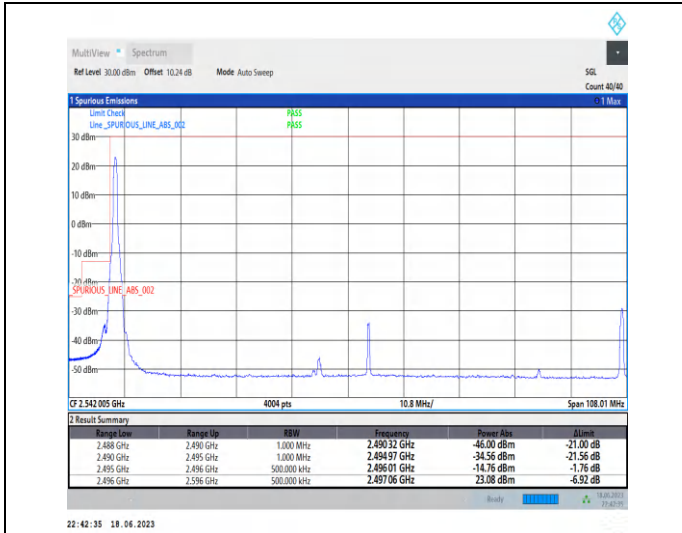
1-N41-PC3-30-90-H-6-CP-QPSK-Outer_Full-245 @0-Ant0-1--PASS-see graph



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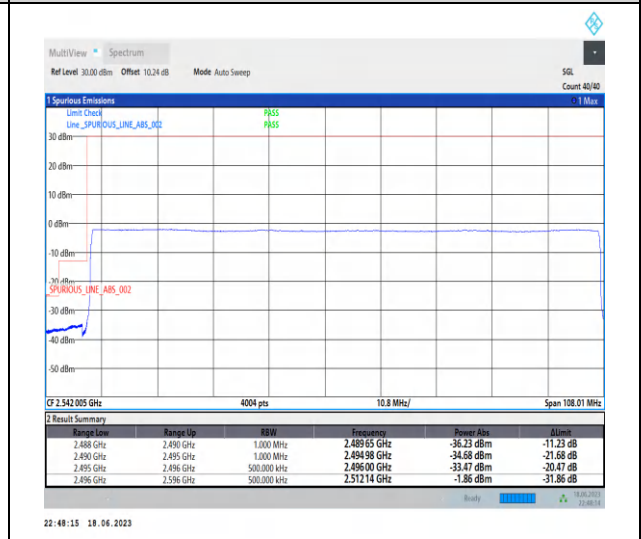
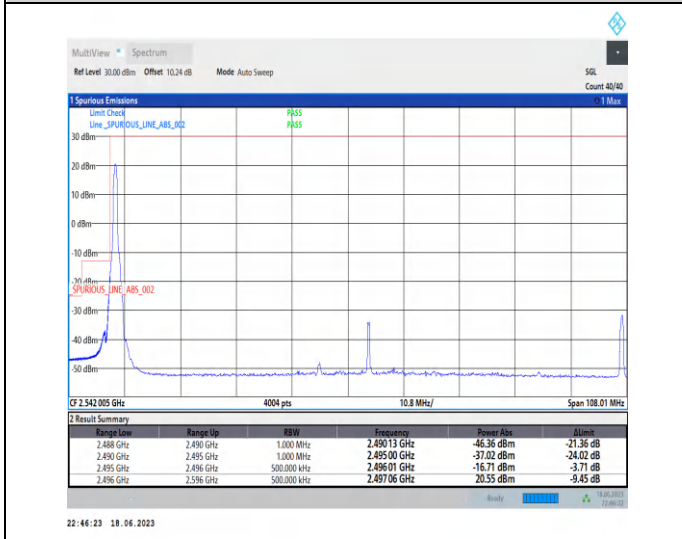
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1-N41-PC3-30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left -1@0-Ant0-1--PASS-see graph

1-N41-PC3-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant0-1--PASS-see graph



1-N41-PC3-30-100-L-4-CP-QPSK-Edge_1RB_Left1@0-Ant0-1--PASS-see graph

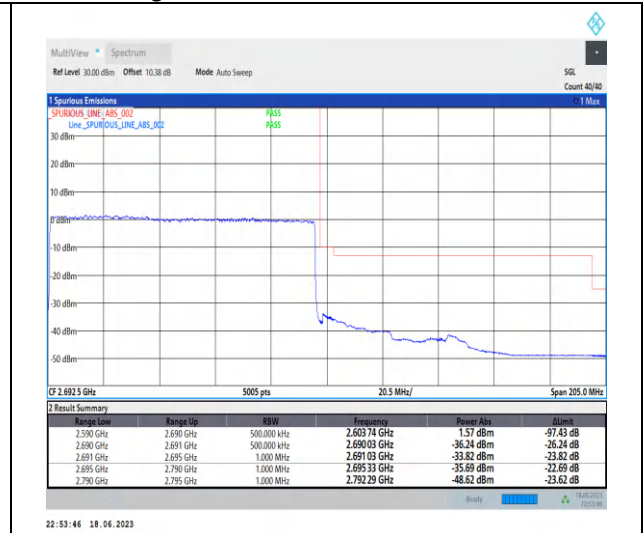
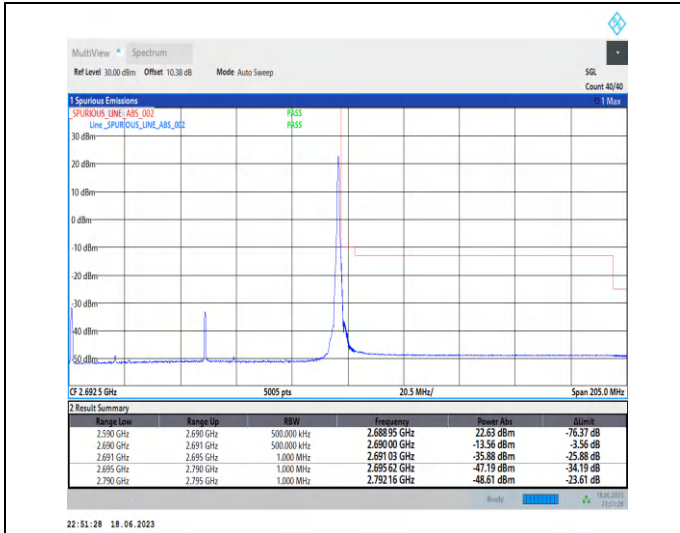
1-N41-PC3-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant0-1--PASS-see graph



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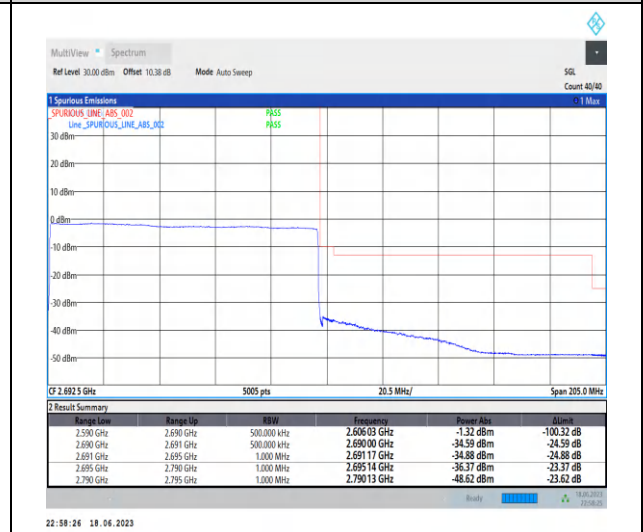
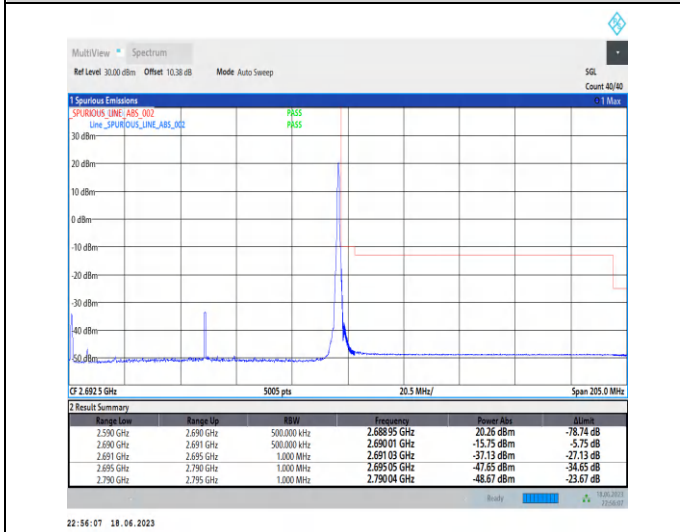
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1-N41-PC3-30-100-H-2-DFT-PI2BPSK-Edge_1RB_Rig ht-1@272-Ant0-1--PASS-see graph

1-N41-PC3-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant0-1--PASS-see graph



1-N41-PC3-30-100-H-5-CP-QPSK-Edge_1RB_Right-1 @272-Ant0-1--PASS-see graph

1-N41-PC3-30-100-H-6-CP-QPSK-Outer_Full-273 @0-Ant0-1--PASS-see graph

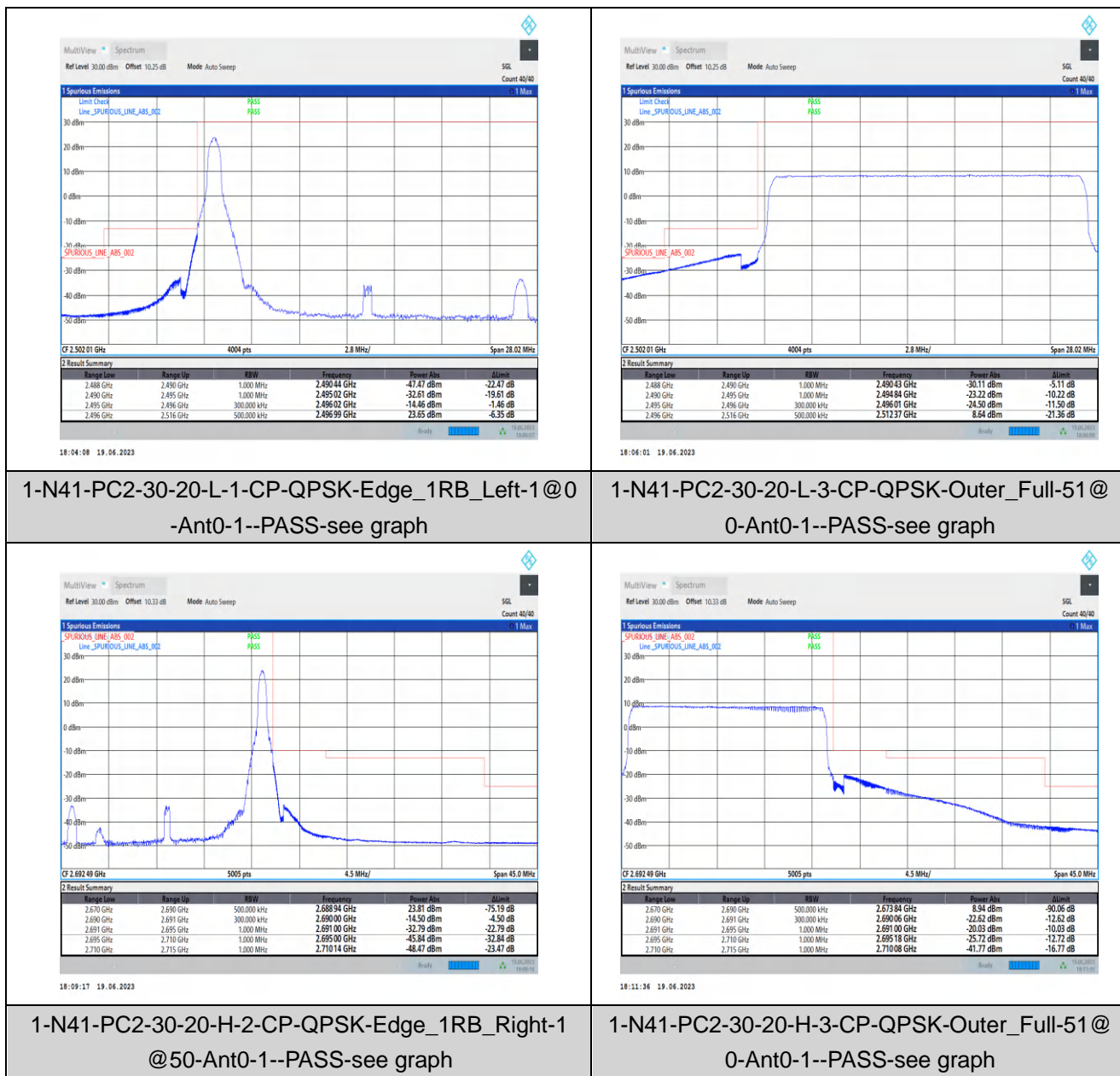


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Band Edge for MIMO

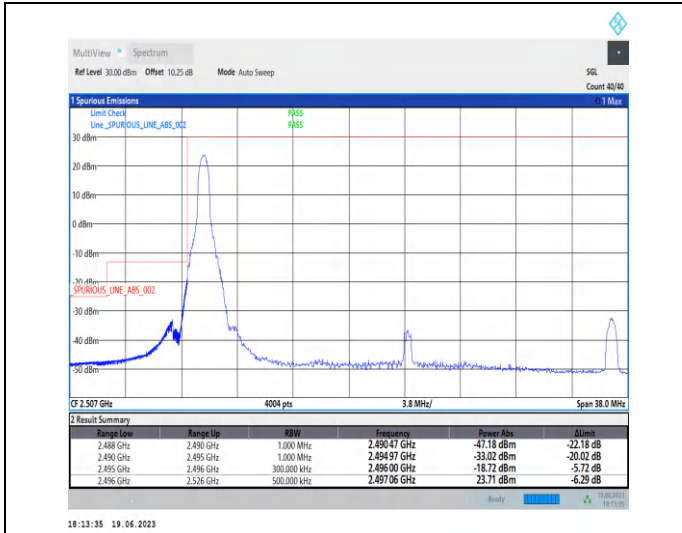
Test Graphs



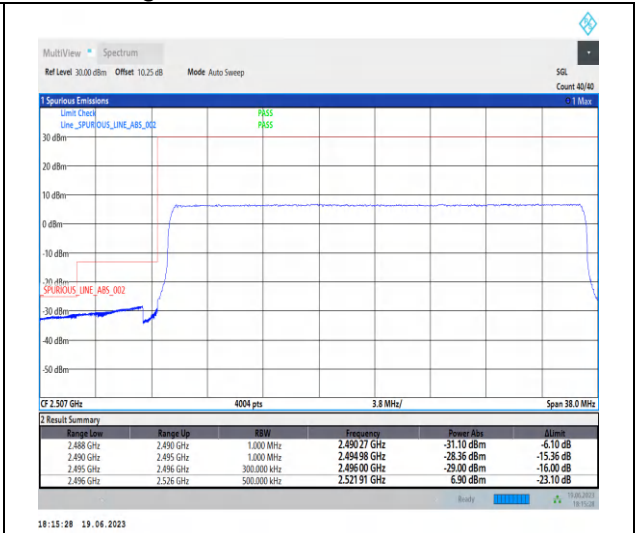
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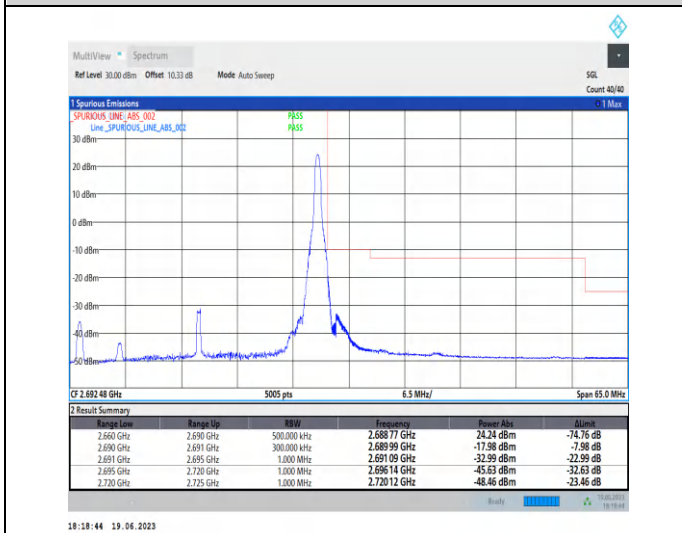
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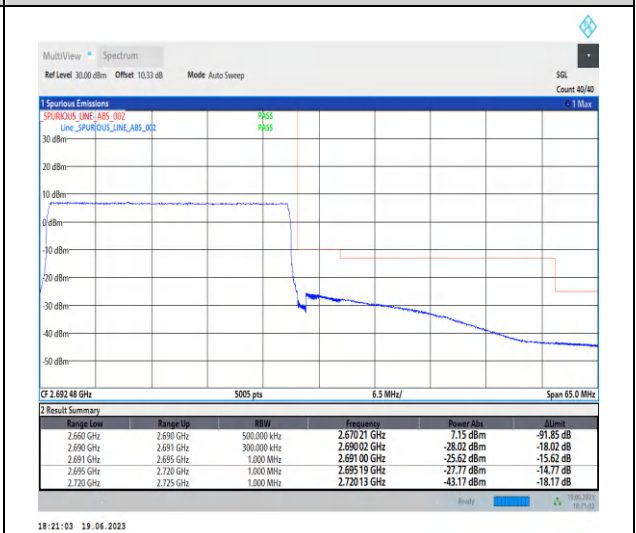
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1-N41-PC2-30-30-L-3-CP-QPSK-Outer_Full-78@
 0-Ant0-1--PASS-see graph



1-N41-PC2-30-30-H-2-CP-QPSK-Edge_1RB_Right-1
 @77-Ant0-1--PASS-see graph

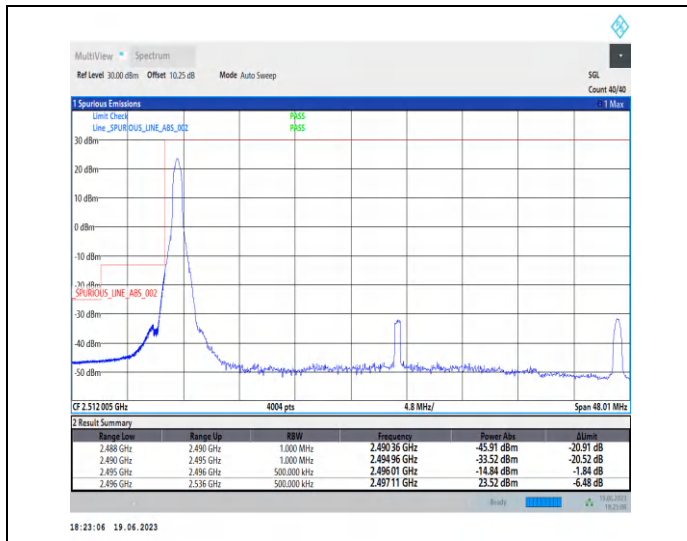


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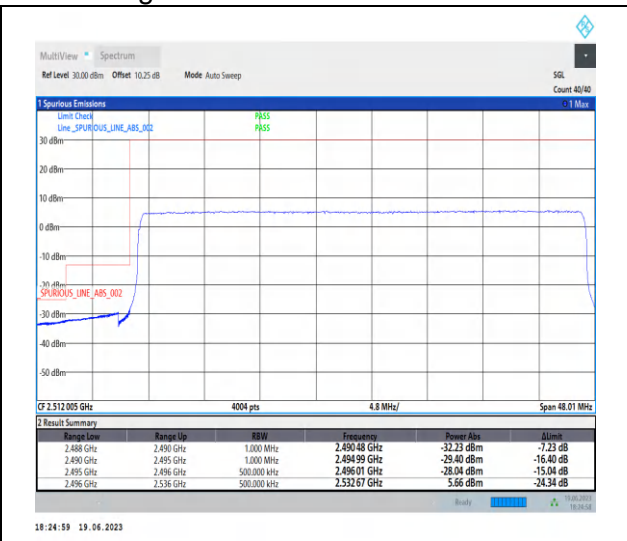


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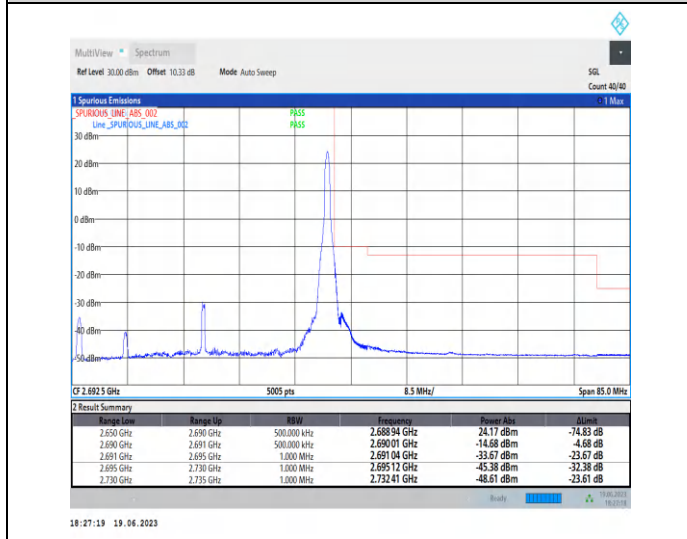
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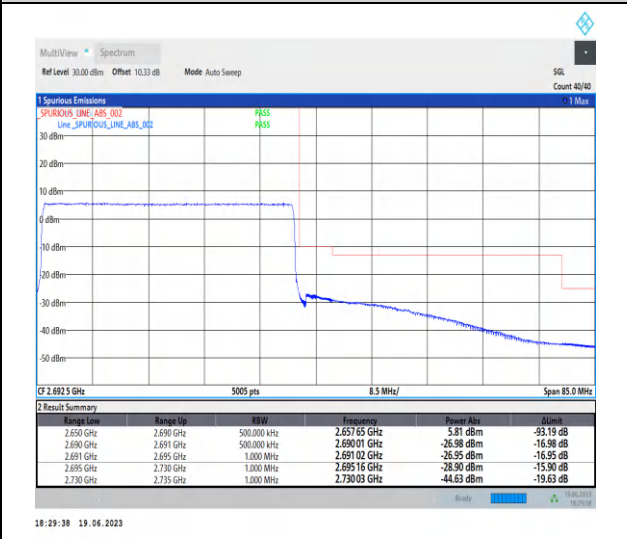
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1-N41-PC2-30-40-L-3-CP-QPSK-Outer_Full-106@0-Ant0-1--PASS-see graph



1-N41-PC2-30-40-H-2-CP-QPSK-Edge_1RB_Right-1@105-Ant0-1--PASS-see graph



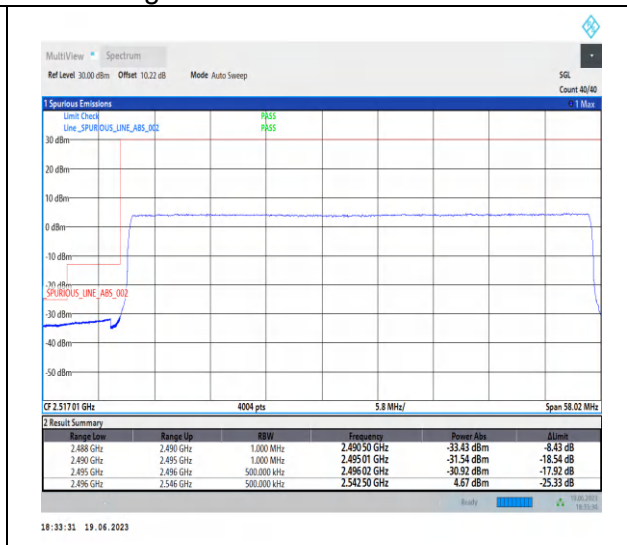
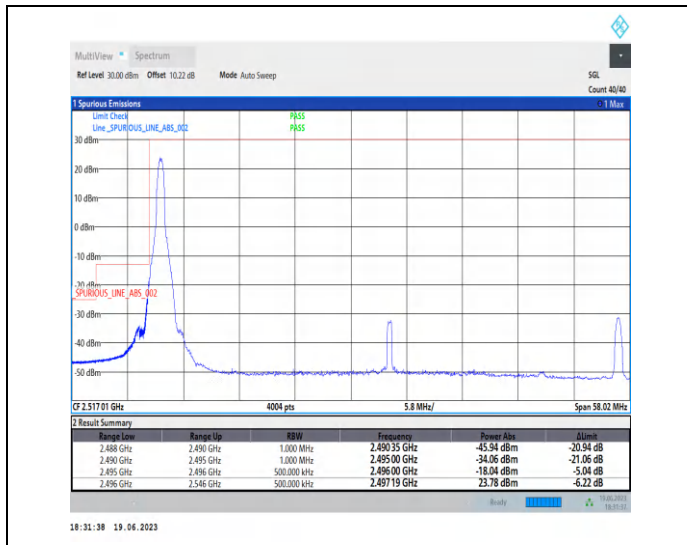
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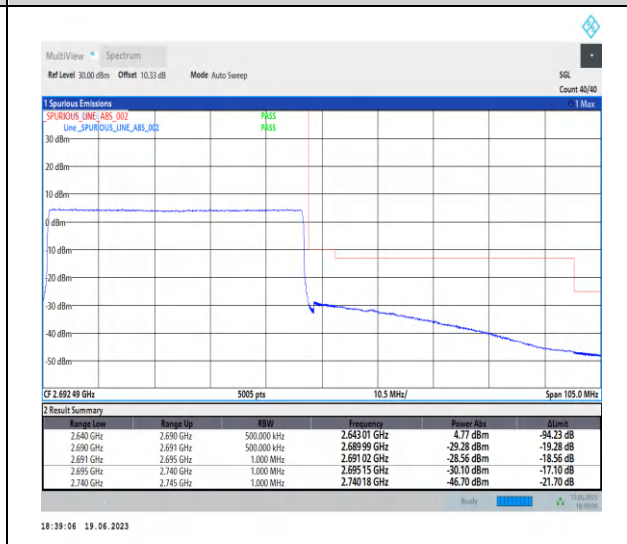
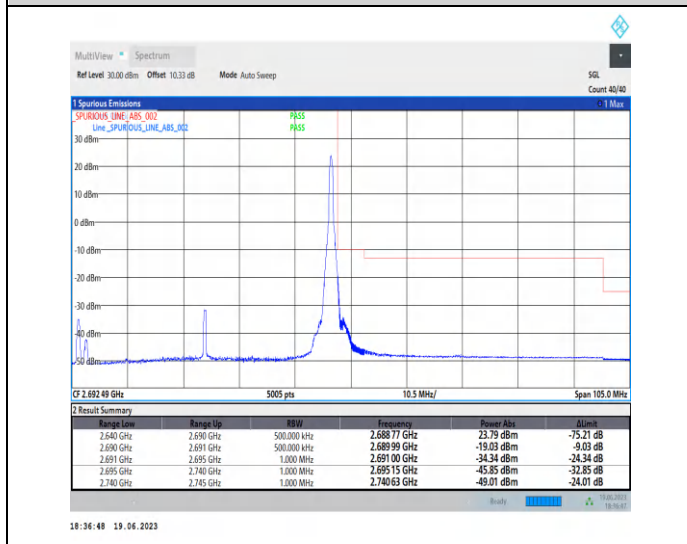
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1-N41-PC2-30-50-L-1-CP-QPSK-Edge_1RB_Left-1@0-Ant0-1--PASS-see graph

1-N41-PC2-30-50-L-3-CP-QPSK-Outer_Full-133@0-Ant0-1--PASS-see graph



1-N41-PC2-30-50-H-2-CP-QPSK-Edge_1RB_Right-1@132-Ant0-1--PASS-see graph

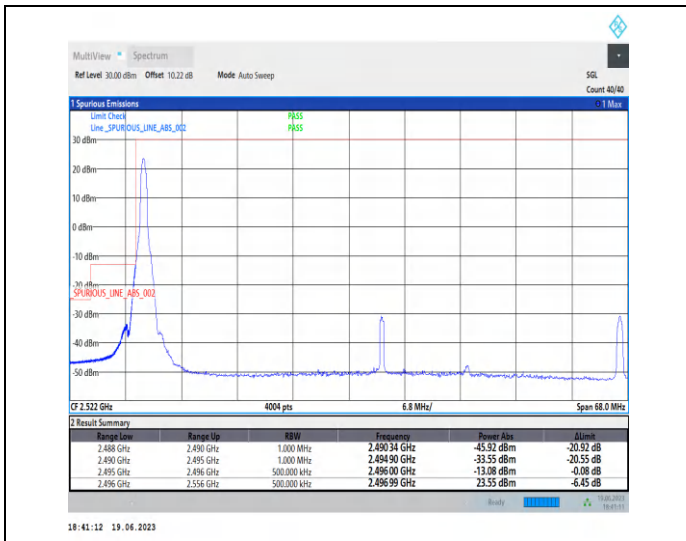
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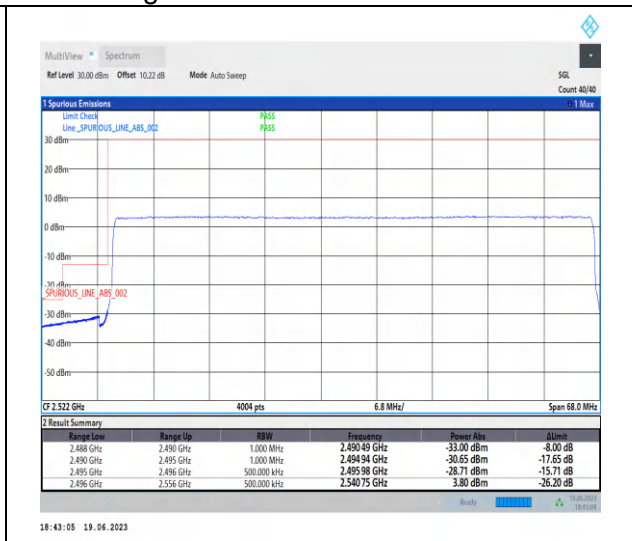
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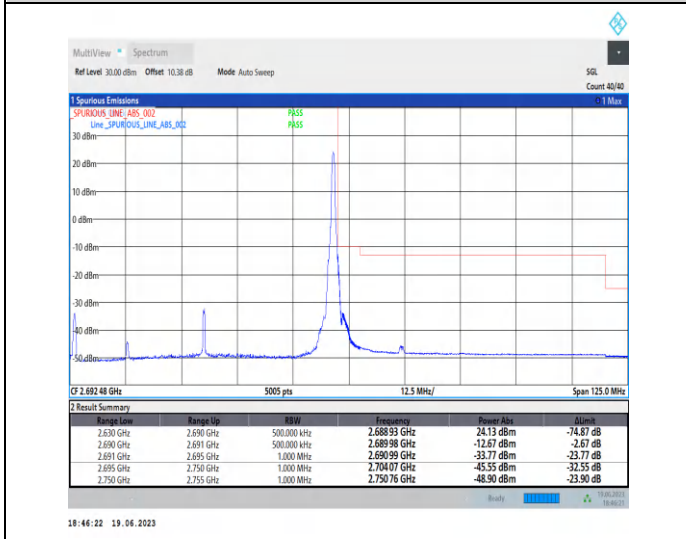
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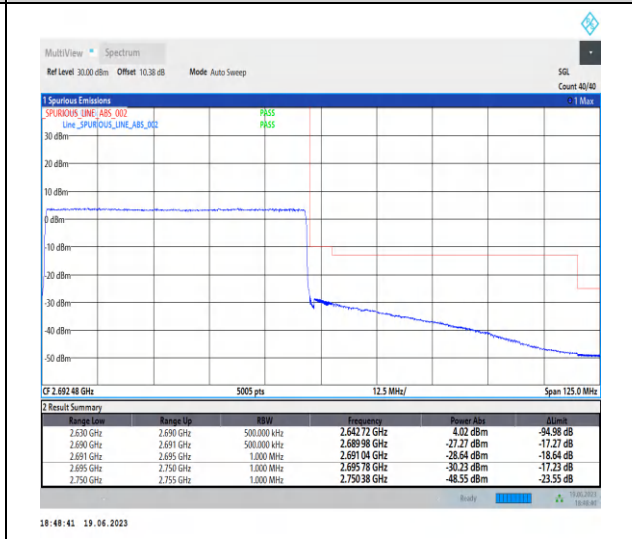
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1-N41-PC2-30-60-L-3-CP-QPSK-Outer_Full-162
 @0-Ant0-1--PASS-see graph



1-N41-PC2-30-60-H-2-CP-QPSK-Edge_1RB_Right-1
 @161-Ant0-1--PASS-see graph



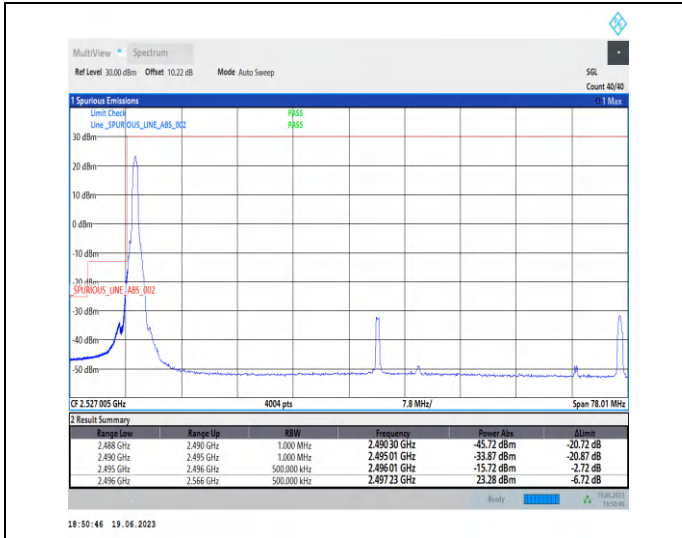
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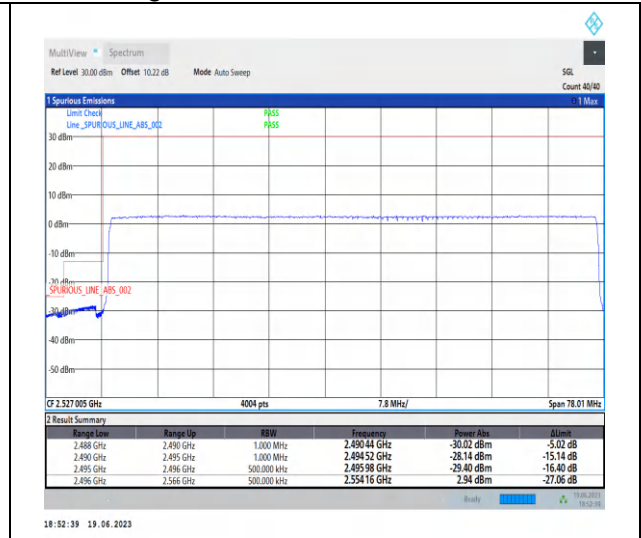
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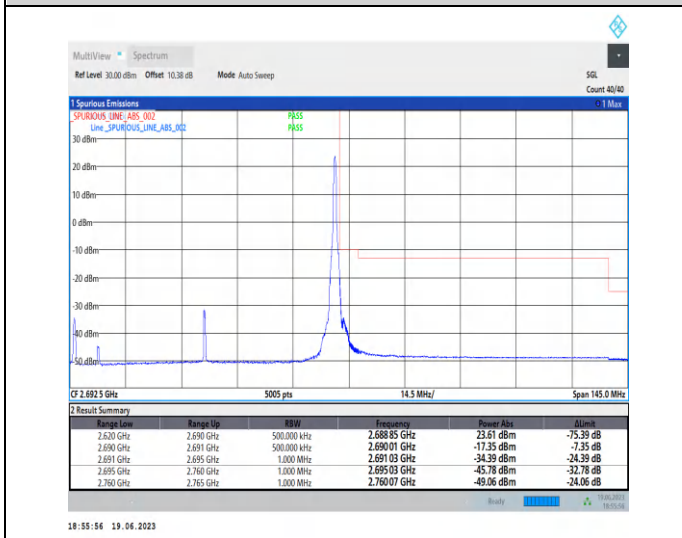
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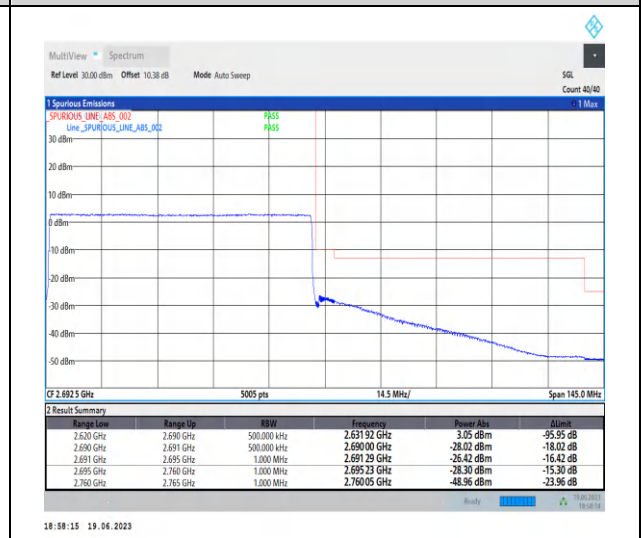
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1-N41-PC2-30-70-L-3-CP-QPSK-Outer_Full-189
 @0-Ant0-1--PASS-see graph



1-N41-PC2-30-70-H-2-CP-QPSK-Edge_1RB_Right-1
 @188-Ant0-1--PASS-see graph



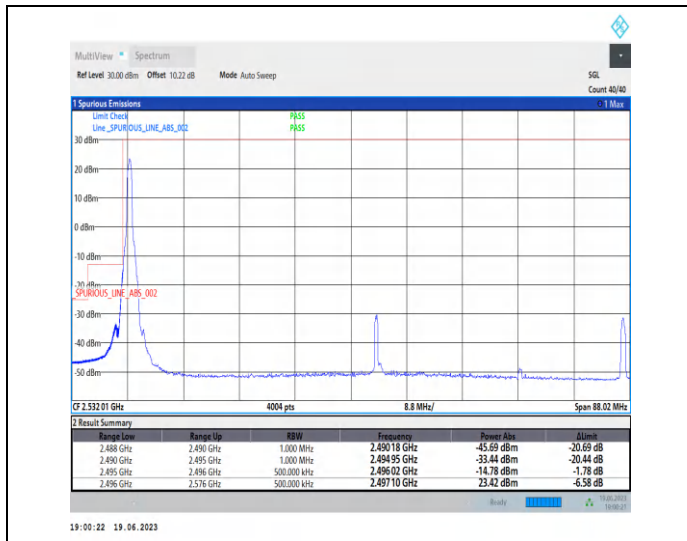
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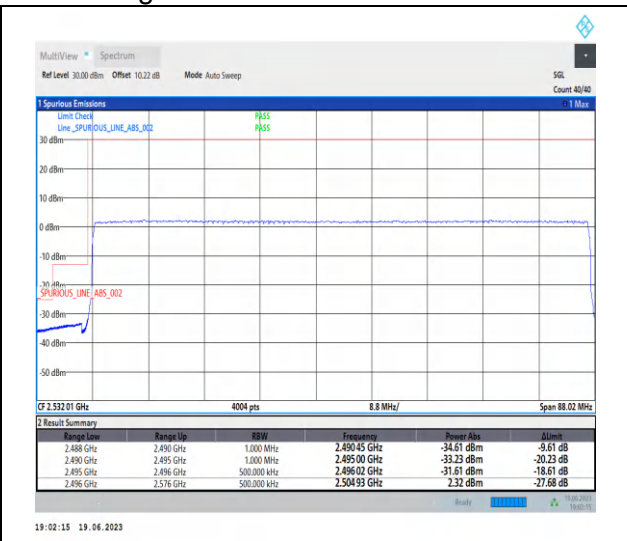
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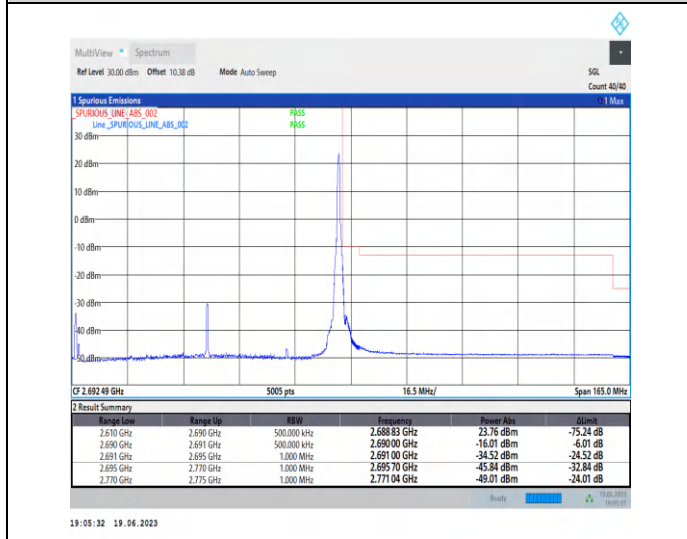
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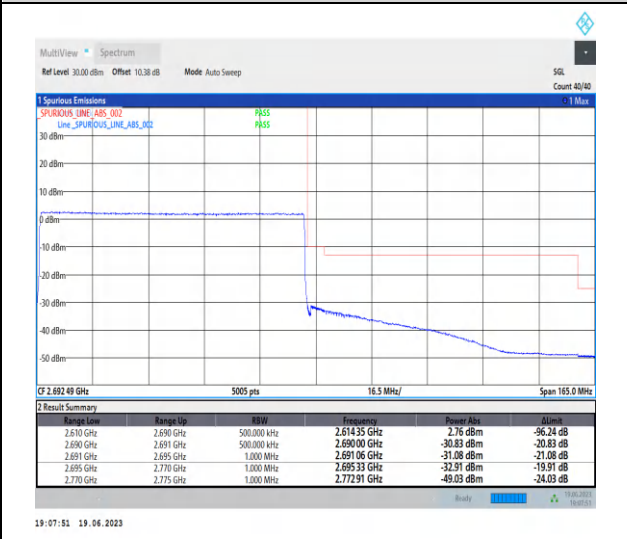
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1-N41-PC2-30-80-L-3-CP-QPSK-Outer_Full-217
 @0-Ant0-1--PASS-see graph



1-N41-PC2-30-80-H-2-CP-QPSK-Edge_1RB_Right-1
 @216-Ant0-1--PASS-see graph



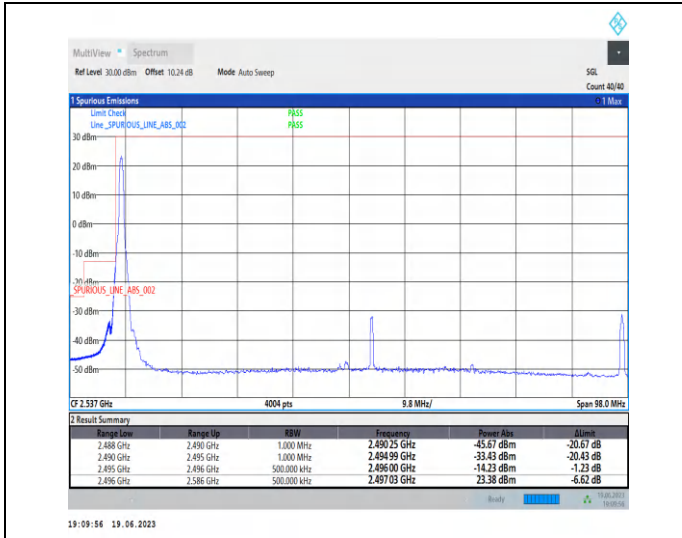
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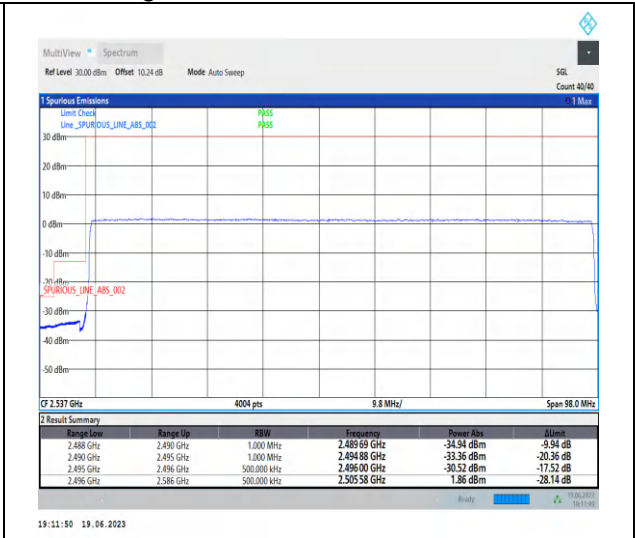
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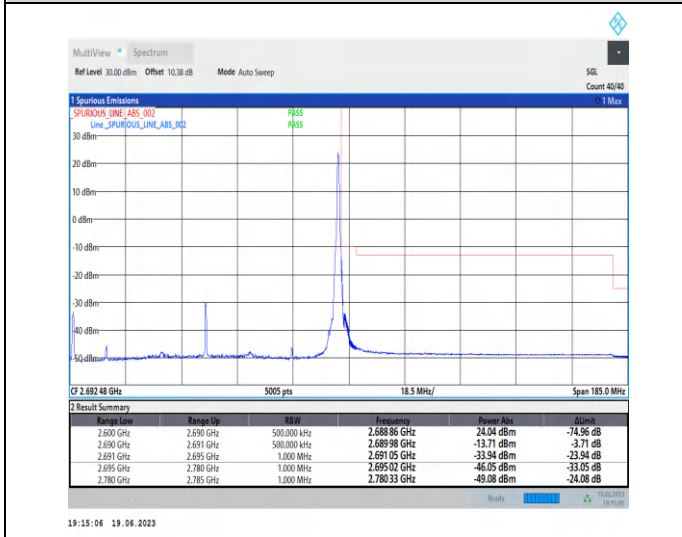
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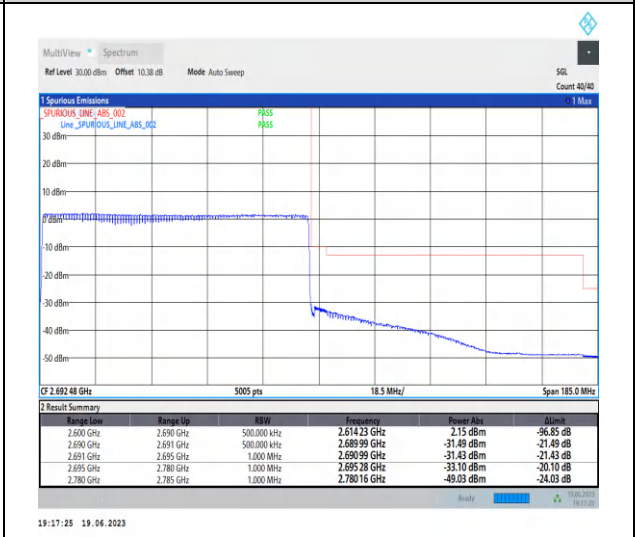
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-Ant0-1--PASS-see graph



1-N41-PC2-30-90-L-3-CP-QPSK-Outer_Full-245
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1-N41-PC2-30-90-H-2-CP-QPSK-Edge_1RB_Right-1
@244-Ant0-1--PASS-see graph

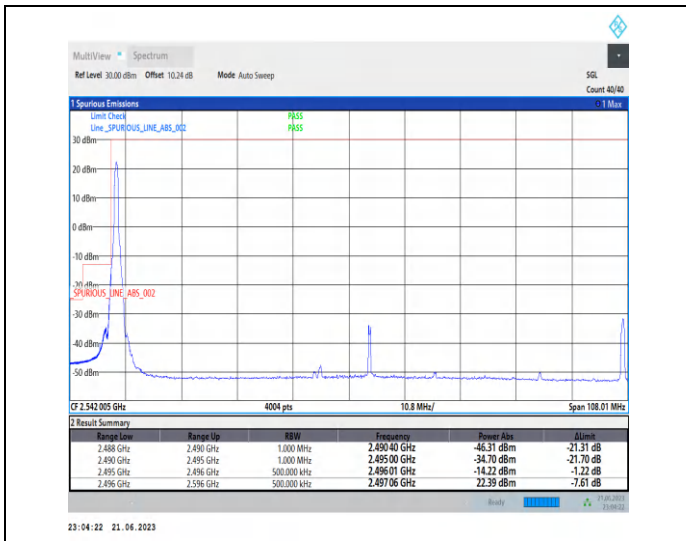


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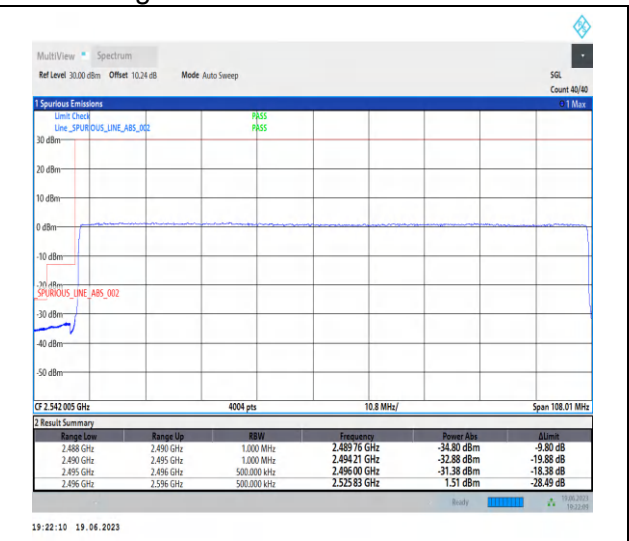


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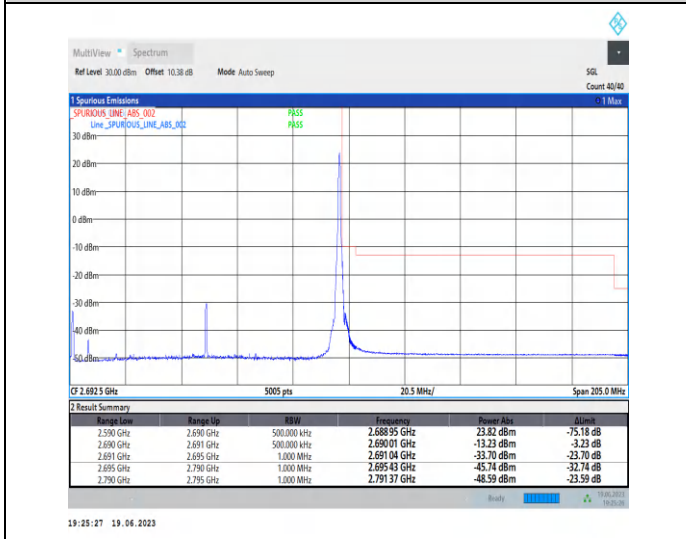
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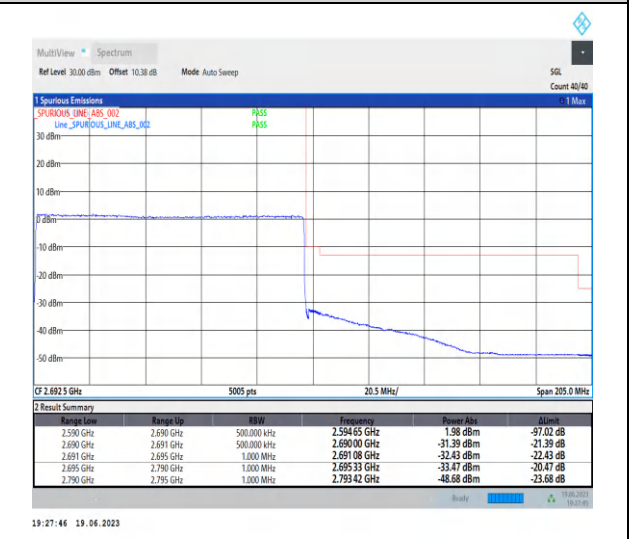
1-N41-PC2-30-100-L-1-CP-QPSK-Edge_1RB_Left-1 @ 0-Ant0-1--PASS-see graph



1-N41-PC2-30-100-L-3-CP-QPSK-Outer_Full-273 @ 0-Ant0-1--PASS-see graph



1-N41-PC2-30-100-H-2-CP-QPSK-Edge_1RB_Right-1 @ 272-Ant0-1--PASS-see graph



1-N41-PC2-30-100-H-3-CP-QPSK-Outer_Full-273 @ 0-Ant0-1--PASS-see graph



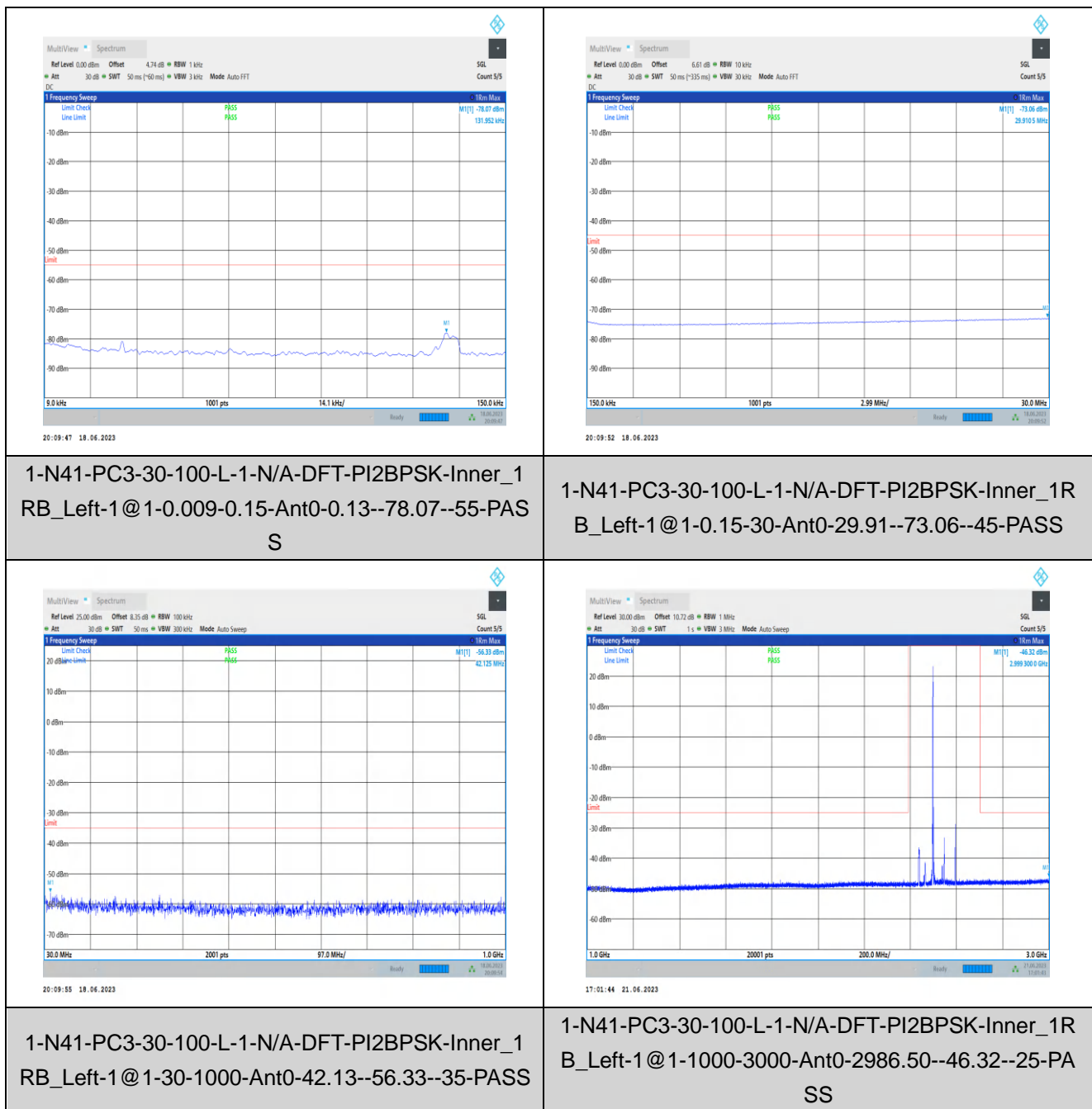
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Conducted Spurious Emission for SA

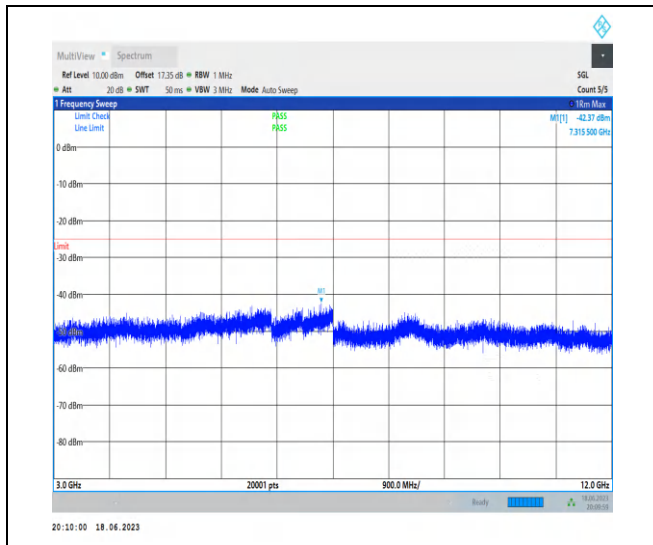
Test Graphs



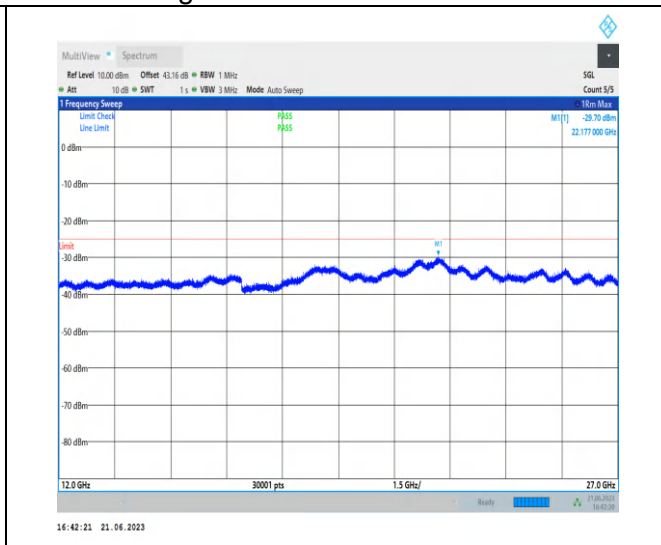
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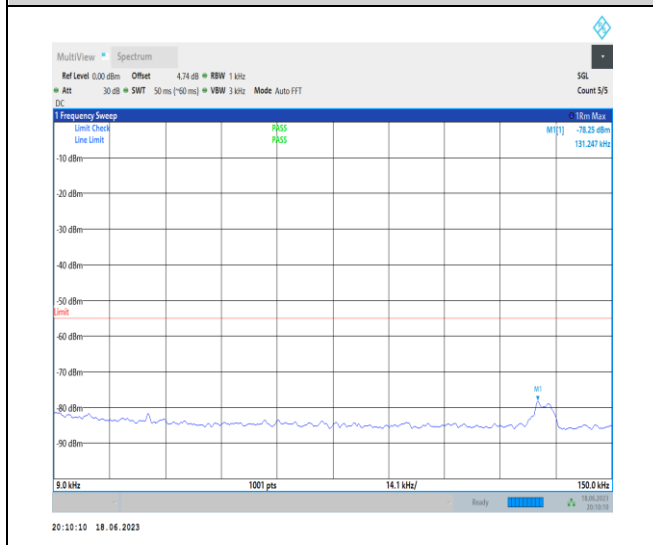
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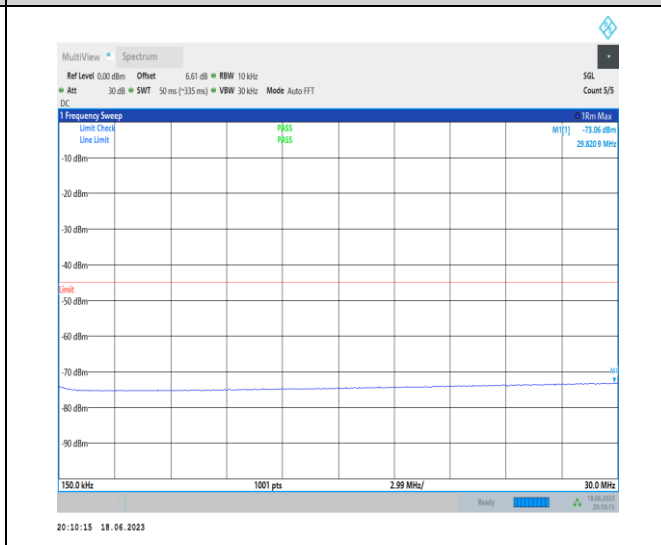
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 RB_Left-1@1-3000-12000-Ant0-7315.50--42.37--25
 -PASS



1-N41-PC3-30-100-L-1-N/A-DFT-PI2BPSK-Inner_1R
 B_Left-1@1-12000-27000-Ant0-22262.00--29.70--25
 PASS



1-N41-PC3-30-100-M-1-N/A-DFT-PI2BPSK-Inner_1
 RB_Left-1@1-0.009-0.15-Ant0-0.13--78.25--55-PAS
 S

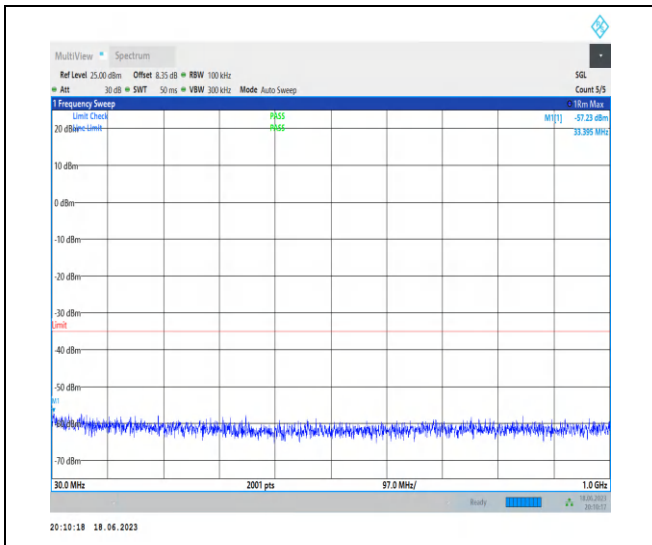


1-N41-PC3-30-100-M-1-N/A-DFT-PI2BPSK-Inner_1R
 B_Left-1@1-0.15-30-Ant0-29.82--73.06--45-PASS

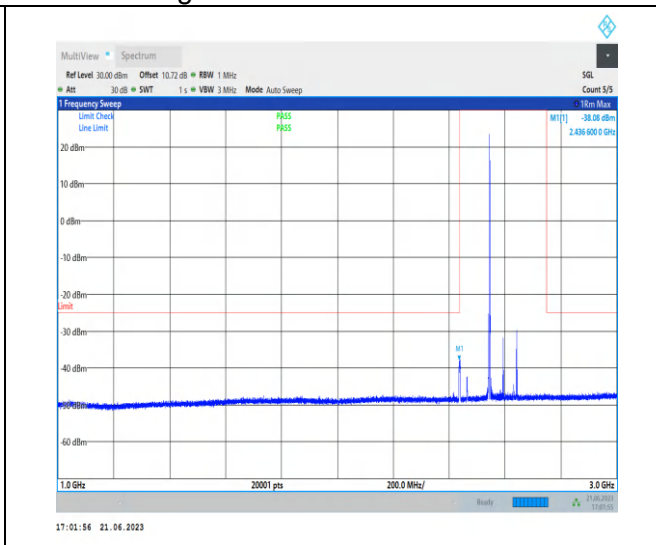


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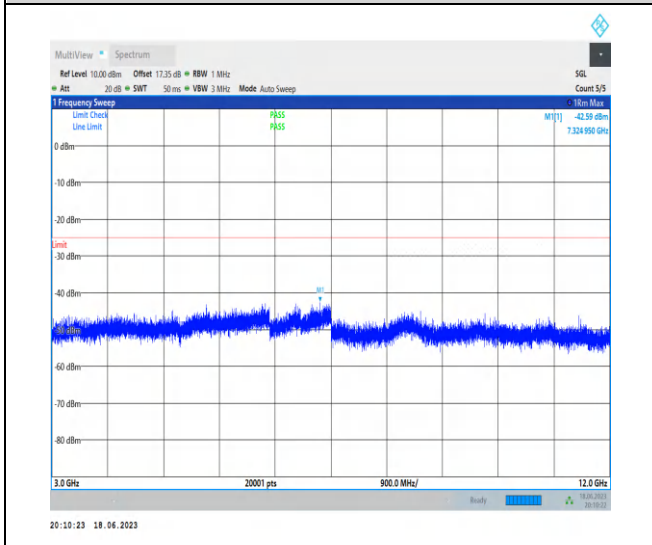
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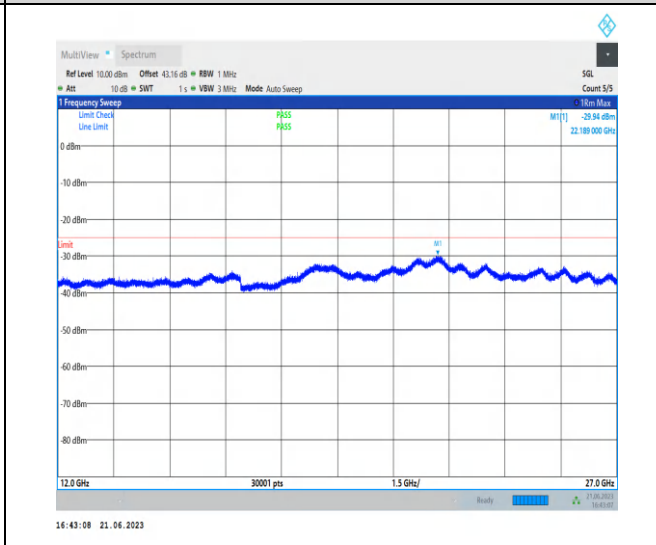
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 RB_Left-1@1-30-1000-Ant0-33.40--57.23--35-PASS



1-N41-PC3-30-100-M-1-N/A-DFT-PI2BPSK-Inner_1R
 B_Left-1@1-1000-3000-Ant0-2793.50--38.08--25-PA
 SS



1-N41-PC3-30-100-M-1-N/A-DFT-PI2BPSK-Inner_1
 RB_Left-1@1-3000-12000-Ant0-7324.95--42.59--25
 -PASS

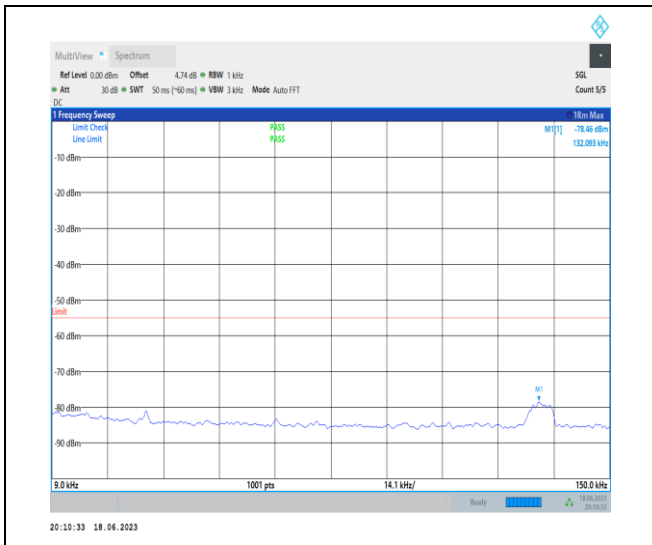


1-N41-PC3-30-100-M-1-N/A-DFT-PI2BPSK-Inner_1R
 B_Left-1@1-12000-27000-Ant0-22192.00--29.94--25-
 PASS

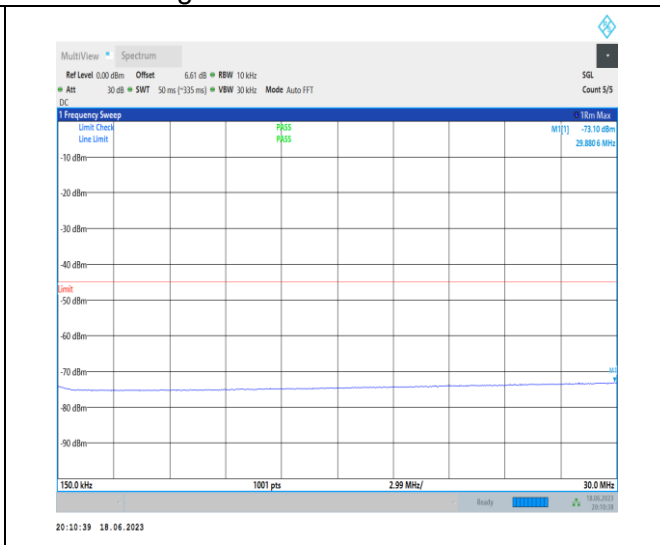


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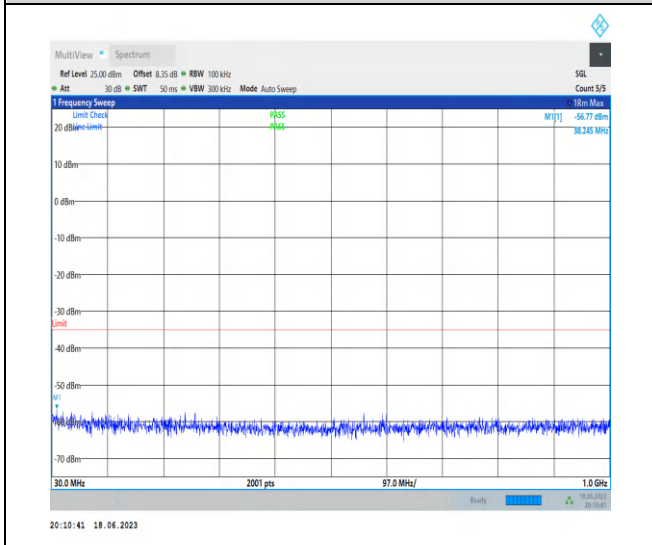
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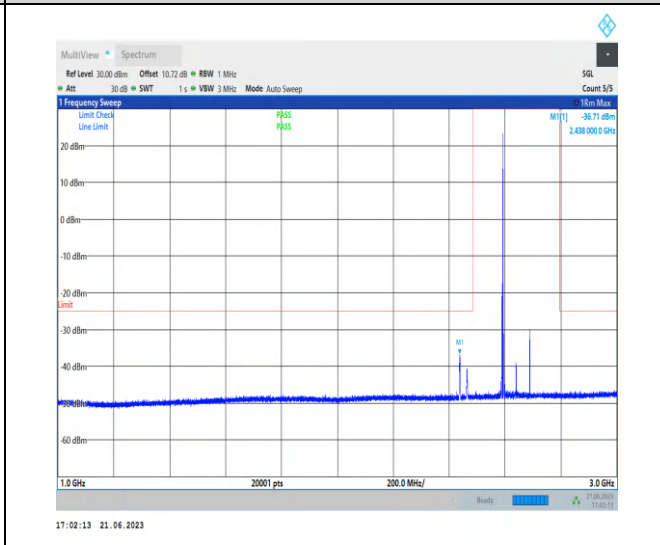
1-N41-PC3-30-100-H-1-N/A-DFT-PI2BPSK-Inner_1
 RB_Left-1@1-0.009-0.15-Ant0-0.13--78.46--55-PASS
 S



1-N41-PC3-30-100-H-1-N/A-DFT-PI2BPSK-Inner_1R
 B_Left-1@1-0.15-30-Ant0-29.88--73.10--45-PASS



1-N41-PC3-30-100-H-1-N/A-DFT-PI2BPSK-Inner_1
 RB_Left-1@1-30-1000-Ant0-38.25--56.77--35-PASS

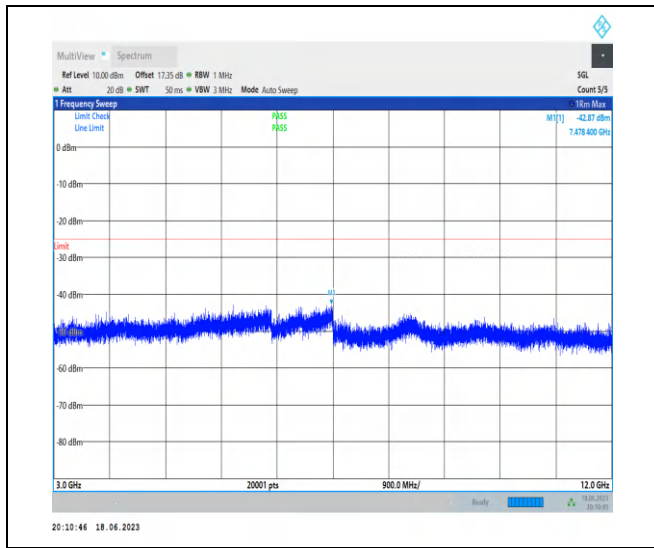


1-N41-PC3-30-100-H-1-N/A-DFT-PI2BPSK-Inner_1R
 B_Left-1@1-1000-3000-Ant0-2975.00--36.71--25-PASS
 SS

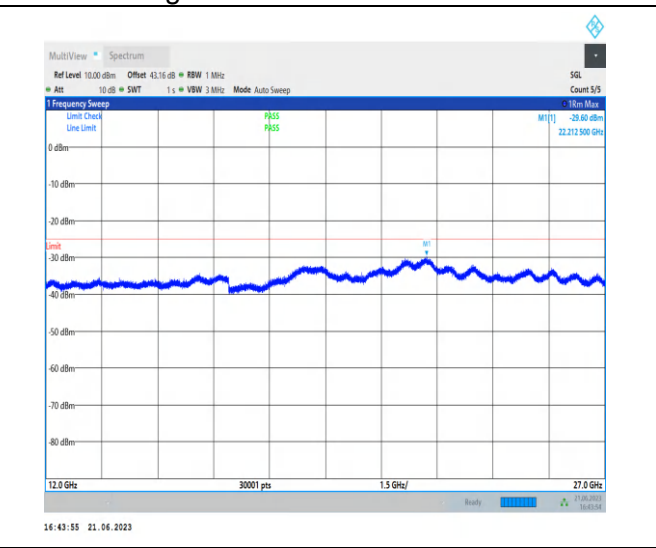


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1-N41-PC3-30-100-H-1-N/A-DFT-PI2BPSK-Inner_1
 RB_Left-1@1-3000-12000-Ant0-7478.40--42.87--25
 -PASS



1-N41-PC3-30-100-H-1-N/A-DFT-PI2BPSK-Inner_1R
 B_Left-1@1-12000-27000-Ant0-22187.00--29.60--25
 PASS

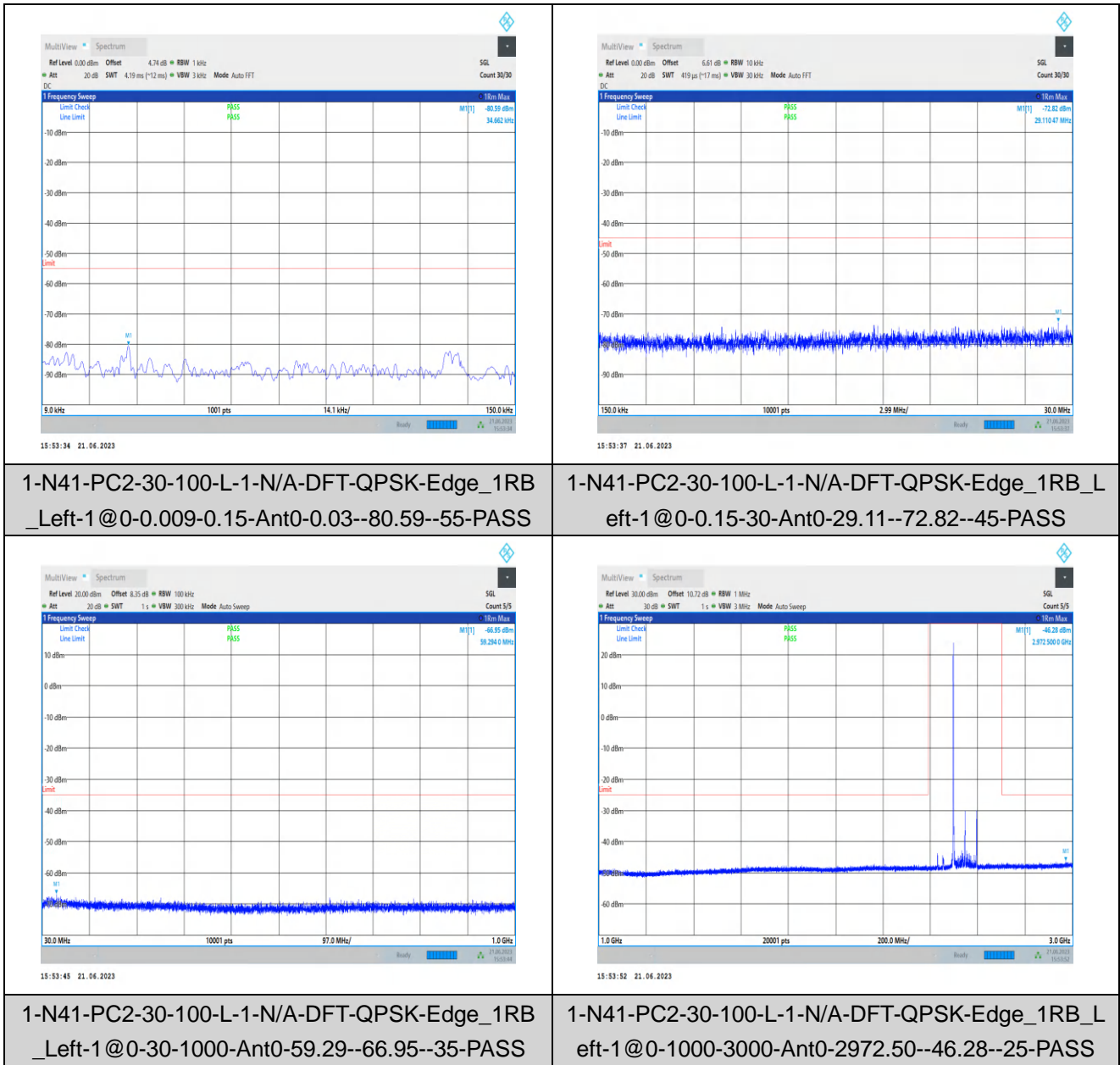


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Conducted Spurious Emission for MIMO

Test Graphs

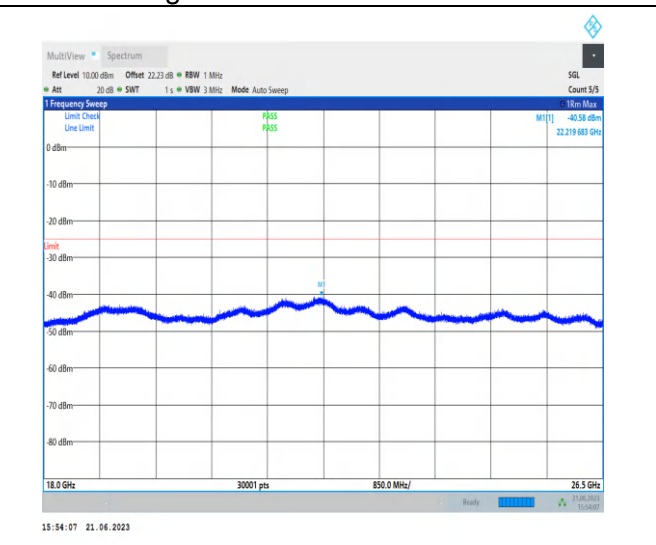
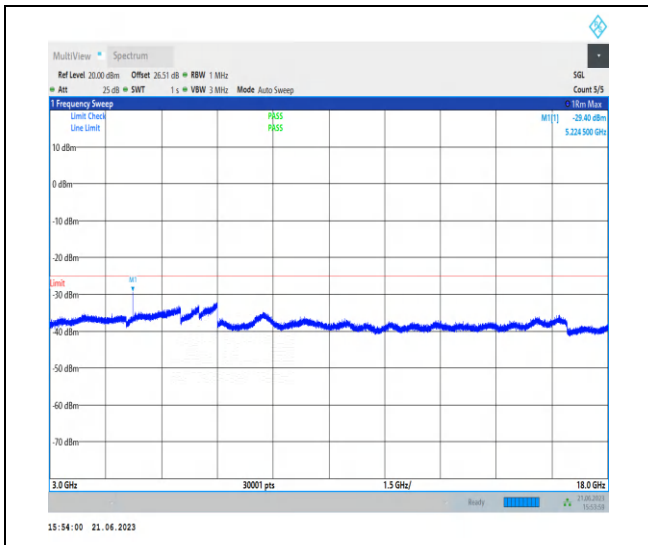


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Field Strength of Spurious Radiation(Worse)

Test Band = SA Band41_ TM1_100MHz

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4789	42.44	-45.55	30.94	-67.43	-25.00	42.43	236	163	Horizontal
2	5985	42.46	-44.85	32.70	-64.95	-25.00	39.95	258	90	Horizontal
3	7837	40.86	-42.50	36.73	-60.16	-25.00	35.16	147	35	Horizontal
4	9003	38.85	-40.98	36.31	-61.08	-25.00	36.08	186	108	Horizontal
5	11228	34.54	-37.40	38.72	-59.40	-25.00	34.40	169	7	Horizontal
6	12794.5	33.59	-36.82	39.04	-59.45	-25.00	34.45	199	2	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4590.5	43.48	-45.67	30.50	-66.95	-25.00	41.95	125	179	Vertical
2	5751.5	42.17	-44.80	32.65	-65.24	-25.00	40.24	148	163	Vertical
3	7403	41.54	-43.40	36.33	-60.79	-25.00	35.79	175	198	Vertical
4	8383.5	40.17	-41.54	36.61	-60.02	-25.00	35.02	163	326	Vertical
5	10073	36.16	-39.15	38.24	-60.02	-25.00	35.02	126	91	Vertical
6	12143	34.75	-37.40	38.84	-59.07	-25.00	34.07	148	359	Vertical



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Test Band = SA Band41_ TM1_100MHz
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4918.5	43.48	-45.55	31.22	-66.11	-25.00	41.11	125	54	Horizontal
2	5847.5	42.30	-44.85	32.67	-65.15	-25.00	40.15	155	307	Horizontal
3	7360.5	41.32	-43.54	36.21	-61.27	-25.00	36.27	174	54	Horizontal
4	7875	40.86	-42.69	36.75	-60.34	-25.00	35.34	156	144	Horizontal
5	9356	37.69	-40.00	36.98	-60.60	-25.00	35.60	136	325	Horizontal
6	10710	34.71	-37.95	38.56	-59.95	-25.00	34.95	256	90	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4853	42.57	-45.53	31.08	-67.15	-25.00	42.15	231	360	Vertical
2	6709.5	41.79	-43.84	34.68	-62.64	-25.00	37.64	154	197	Vertical
3	7820.5	41.25	-42.41	36.73	-59.70	-25.00	34.70	148	360	Vertical
4	8713.5	39.66	-41.63	36.44	-60.79	-25.00	35.79	157	325	Vertical
5	10093	36.07	-39.13	38.25	-60.07	-25.00	35.07	199	360	Vertical
6	11210	34.79	-37.39	38.72	-59.14	-25.00	34.14	266	53	Vertical



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Test Band = SA Band41_ TM1_100MHz
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5205	42.60	-45.27	31.89	-66.04	-25.00	41.04	158	55	Horizontal
2	5848	42.49	-44.86	32.67	-64.96	-25.00	39.96	175	90	Horizontal
3	6930	41.68	-43.94	35.07	-62.44	-25.00	37.44	122	8	Horizontal
4	8403.5	40.00	-41.46	36.60	-60.12	-25.00	35.12	142	343	Horizontal
5	10238.5	36.07	-39.34	38.32	-60.21	-25.00	35.21	199	20	Horizontal
6	12273	33.78	-37.43	38.88	-60.03	-25.00	35.03	231	236	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5413.5	43.03	-45.29	32.39	-65.13	-25.00	40.13	166	36	Vertical
2	6453.5	41.99	-44.52	34.15	-63.64	-25.00	38.64	211	196	Vertical
3	7741	40.83	-42.79	36.70	-60.52	-25.00	35.52	148	360	Vertical
4	8397	40.03	-41.47	36.60	-60.10	-25.00	35.10	175	179	Vertical
5	9829.5	36.83	-39.44	37.88	-59.99	-25.00	34.99	199	215	Vertical
6	12192.5	34.26	-37.48	38.86	-59.62	-25.00	34.62	182	72	Vertical



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Test Band = SA Band41 ULMIMO_ TM1_100MHz
 Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4729.5	42.90	-45.58	30.80	-67.14	-25.00	42.14	155	0	Horizontal
2	5465	42.56	-45.26	32.52	-65.45	-25.00	40.45	168	18	Horizontal
3	7055	41.90	-43.91	35.35	-61.92	-25.00	36.92	192	72	Horizontal
4	7858.5	41.20	-42.61	36.74	-59.92	-25.00	34.92	154	343	Horizontal
5	10029.5	36.50	-39.20	38.21	-59.75	-25.00	34.75	175	216	Horizontal
6	12282	34.62	-37.42	38.88	-59.18	-25.00	34.18	166	181	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4925	43.77	-45.56	31.24	-65.81	-25.00	40.81	136	18	Vertical
2	5877.5	42.88	-44.92	32.68	-64.63	-25.00	39.63	256	163	Vertical
3	6736	42.16	-43.94	34.72	-62.31	-25.00	37.31	188	4	Vertical
4	7778.5	40.72	-42.48	36.71	-60.31	-25.00	35.31	147	359	Vertical
5	8856.5	39.28	-41.24	36.37	-60.85	-25.00	35.85	186	359	Vertical
6	10572	35.53	-38.56	38.49	-59.81	-25.00	34.81	195	359	Vertical



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Test Band = SA Band41 ULMIMO_ TM1_100MHz
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4899	43.11	-45.53	31.18	-66.50	-25.00	41.50	165	252	Horizontal
2	5691	42.66	-44.87	32.64	-64.83	-25.00	39.83	135	197	Horizontal
3	6743	41.89	-43.96	34.74	-62.60	-25.00	37.60	148	306	Horizontal
4	7647.5	41.00	-43.02	36.66	-60.62	-25.00	35.62	175	1	Horizontal
5	8230	40.02	-42.23	36.69	-60.78	-25.00	35.78	199	1	Horizontal
6	10582	35.76	-38.53	38.49	-59.54	-25.00	34.54	258	306	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4780	42.63	-45.55	30.92	-67.27	-25.00	42.27	155	234	Vertical
2	5554.5	42.35	-45.15	32.61	-65.45	-25.00	40.45	163	306	Vertical
3	6618.5	42.58	-44.25	34.51	-62.42	-25.00	37.42	265	106	Vertical
4	7649	41.61	-43.02	36.66	-60.01	-25.00	35.01	148	360	Vertical
5	8852	39.07	-41.24	36.37	-61.06	-25.00	36.06	175	251	Vertical
6	10249	36.49	-39.30	38.32	-59.74	-25.00	34.74	199	341	Vertical



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Test Band = SA Band41 ULMIMO_ TM1_100MHz
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4720.5	43.08	-45.59	30.79	-66.98	-25.00	41.98	125	109	Horizontal
2	5574.5	42.56	-45.11	32.61	-65.20	-25.00	40.20	144	182	Horizontal
3	6153.5	42.03	-44.62	33.19	-64.65	-25.00	39.65	156	344	Horizontal
4	7226	40.86	-43.51	35.83	-62.07	-25.00	37.07	136	236	Horizontal
5	8341	40.10	-41.78	36.63	-60.31	-25.00	35.31	256	20	Horizontal
6	10699	34.76	-37.89	38.55	-59.84	-25.00	34.84	199	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4442.5	43.74	-45.77	30.16	-67.13	-25.00	42.13	251	3	Vertical
2	5433.5	42.99	-45.28	32.44	-65.11	-25.00	40.11	145	126	Vertical
3	6488	41.93	-44.59	34.26	-63.65	-25.00	38.65	166	178	Vertical
4	7410.5	41.16	-43.38	36.35	-61.13	-25.00	36.13	136	233	Vertical
5	8823	39.21	-41.25	36.39	-60.91	-25.00	35.91	256	53	Vertical
6	10595	35.14	-38.49	38.50	-60.11	-25.00	35.11	129	3	Vertical



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Test Band = NSA 2A-N41A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4703	43.12	-45.60	30.75	-66.99	-25.00	41.99	255	8	Horizontal
2	5687	42.29	-44.88	32.64	-65.21	-25.00	40.21	178	288	Horizontal
3	6984	42.12	-43.64	35.17	-61.61	-25.00	36.61	198	8	Horizontal
4	7909.5	40.67	-42.78	36.76	-60.60	-25.00	35.60	174	162	Horizontal
5	9652.5	37.05	-39.55	37.54	-60.22	-25.00	35.22	186	89	Horizontal
6	11849.5	34.24	-37.02	38.78	-59.25	-25.00	34.25	194	0	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4606	42.92	-45.67	30.53	-67.47	-25.00	42.47	213	4	Vertical
2	5982	42.93	-44.86	32.70	-64.49	-25.00	39.49	263	145	Vertical
3	7372	41.71	-43.51	36.24	-60.81	-25.00	35.81	213	326	Vertical
4	8344	40.28	-41.76	36.63	-60.12	-25.00	35.12	147	326	Vertical
5	9612.5	37.53	-39.64	37.46	-59.91	-25.00	34.91	188	162	Vertical
6	11213	35.57	-37.39	38.72	-58.36	-25.00	33.36	152	108	Vertical



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Test Band = NSA 2A-N41A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4578	43.14	-45.68	30.47	-67.33	-25.00	42.33	174	252	Horizontal
2	6335	41.89	-44.49	33.77	-64.09	-25.00	39.09	156	37	Horizontal
3	7436	41.54	-43.31	36.42	-60.61	-25.00	35.61	166	197	Horizontal
4	8845.5	39.14	-41.25	36.38	-60.99	-25.00	35.99	139	270	Horizontal
5	10611	35.97	-38.41	38.51	-59.19	-25.00	34.19	291	54	Horizontal
6	12721	34.18	-36.71	39.02	-58.78	-25.00	33.78	147	37	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4453.5	43.71	-45.76	30.19	-67.12	-25.00	42.12	244	4	Vertical
2	6021	42.41	-44.75	32.77	-64.83	-25.00	39.83	175	270	Vertical
3	7405	41.50	-43.40	36.33	-60.82	-25.00	35.82	186	162	Vertical
4	9323.5	38.78	-40.13	36.91	-59.69	-25.00	34.69	213	325	Vertical
5	11227.5	35.22	-37.40	38.72	-58.72	-25.00	33.72	266	71	Vertical
6	13709.5	34.69	-36.18	40.38	-56.38	-25.00	31.38	143	360	Vertical



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Test Band = NSA 2A-N41A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4078	43.61	-45.82	29.29	-68.18	-25.00	43.18	177	197	Horizontal
2	4901	44.01	-45.53	31.18	-65.60	-25.00	40.60	154	343	Horizontal
3	6147.5	41.75	-44.60	33.17	-64.94	-25.00	39.94	133	107	Horizontal
4	7856	40.99	-42.60	36.74	-60.12	-25.00	35.12	216	197	Horizontal
5	9840.5	37.58	-39.42	37.90	-59.20	-25.00	34.20	185	233	Horizontal
6	12797.5	34.49	-36.83	39.04	-58.56	-25.00	33.56	140	215	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4450	43.40	-45.77	30.18	-67.45	-25.00	42.45	168	236	Vertical
2	5414.5	42.93	-45.29	32.39	-65.23	-25.00	40.23	154	37	Vertical
3	7026.5	41.56	-43.72	35.27	-62.15	-25.00	37.15	172	162	Vertical
4	8234.5	40.30	-42.21	36.68	-60.49	-25.00	35.49	196	360	Vertical
5	10058	36.31	-39.17	38.23	-59.89	-25.00	34.89	281	18	Vertical
6	11396.5	34.82	-37.37	38.74	-59.07	-25.00	34.07	140	353	Vertical



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Test Band = NSA 5A-N41A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4743.5	43.52	-45.57	30.84	-66.48	-25.00	41.48	148	124	Horizontal
2	6330.5	42.20	-44.50	33.76	-63.80	-25.00	38.80	152	17	Horizontal
3	8242.5	40.14	-42.19	36.68	-60.63	-25.00	35.63	133	34	Horizontal
4	9809.5	36.85	-39.47	37.84	-60.04	-25.00	35.04	231	324	Horizontal
5	11454	34.40	-37.34	38.75	-59.45	-25.00	34.45	166	160	Horizontal
6	13714	34.78	-36.19	40.39	-56.29	-25.00	31.29	147	2	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4920	43.71	-45.55	31.22	-65.88	-25.00	40.88	165	179	Vertical
2	6475.5	42.39	-44.56	34.22	-63.21	-25.00	38.21	188	234	Vertical
3	7861.5	40.71	-42.62	36.74	-60.43	-25.00	35.43	179	358	Vertical
4	9911.5	37.08	-39.32	38.03	-59.47	-25.00	34.47	142	288	Vertical
5	12334.5	35.37	-37.46	38.90	-58.45	-25.00	33.45	150	144	Vertical
6	14317.5	34.39	-35.92	41.03	-55.77	-25.00	30.77	166	54	Vertical



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Test Band = NSA 5A-N41A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4920.5	43.53	-45.55	31.23	-66.06	-25.00	41.06	179	1	Horizontal
2	6153.5	41.99	-44.62	33.19	-64.69	-25.00	39.69	191	6	Horizontal
3	7408.5	42.01	-43.39	36.34	-60.29	-25.00	35.29	142	2	Horizontal
4	8454	40.00	-41.54	36.57	-60.23	-25.00	35.23	222	160	Horizontal
5	10250.5	36.45	-39.29	38.33	-59.78	-25.00	34.78	103	251	Horizontal
6	13711	34.11	-36.19	40.38	-56.96	-25.00	31.96	160	234	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4925	43.48	-45.56	31.24	-66.10	-25.00	41.10	248	323	Vertical
2	6335	41.85	-44.49	33.77	-64.13	-25.00	39.13	176	270	Vertical
3	7307.5	40.83	-43.72	36.06	-62.09	-25.00	37.09	166	341	Vertical
4	8405	40.15	-41.46	36.60	-59.97	-25.00	34.97	142	306	Vertical
5	10574	35.86	-38.56	38.49	-59.47	-25.00	34.47	182	358	Vertical
6	12688.5	33.88	-36.79	39.01	-59.16	-25.00	34.16	130	178	Vertical



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Test Band = NSA 5A-N41A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4925.5	43.60	-45.56	31.24	-65.98	-25.00	40.98	186	53	Horizontal
2	6708	41.88	-43.84	34.67	-62.54	-25.00	37.54	152	0	Horizontal
3	7781.5	40.63	-42.46	36.71	-60.38	-25.00	35.38	142	180	Horizontal
4	9172	38.33	-40.28	36.63	-60.58	-25.00	35.58	159	1	Horizontal
5	10716.5	35.79	-38.00	38.56	-58.91	-25.00	33.91	135	89	Horizontal
6	12255	34.23	-37.45	38.88	-59.60	-25.00	34.60	122	2	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4406	43.00	-45.81	30.07	-68.00	-25.00	43.00	175	89	Vertical
2	5100.5	42.47	-45.37	31.64	-66.52	-25.00	41.52	142	340	Vertical
3	5879.5	42.98	-44.92	32.68	-64.53	-25.00	39.53	126	305	Vertical
4	7012.5	41.38	-43.63	35.24	-62.28	-25.00	37.28	153	352	Vertical
5	8581.5	39.68	-41.38	36.51	-60.45	-25.00	35.45	251	141	Vertical
6	10711.5	35.20	-37.96	38.56	-59.47	-25.00	34.47	186	178	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
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-14.10	-0.01	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-14.00	-0.01	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-13.20	-0.01	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-18.70	-0.01	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	-17.80	-0.01	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	-12.20	0.00	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
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-9.000000	-0.003471	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-10.300000	-0.003972	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-11.800000	-0.004551	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-12.400000	-0.004782	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-12.400000	-0.004782	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-23.800000	-0.009179	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-13.200000	-0.005091	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-15.900000	-0.006132	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-14.800000	-0.005708	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	-9.900000	-0.003818	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	-14.100000	-0.005438	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	-20.500000	-0.007906	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-13.900000	-0.005361	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	-12.800000	-0.004936	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	-12.900000	-0.004975	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	-16.200000	-0.006248	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	-14.600000	-0.005631	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	-9.100000	-0.003509	PASS

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