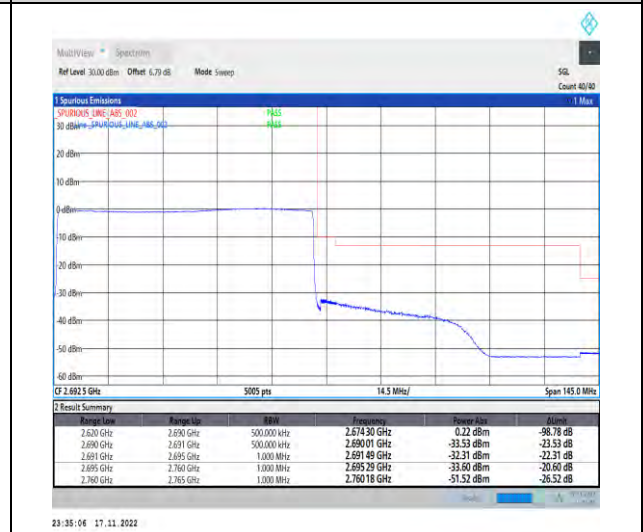
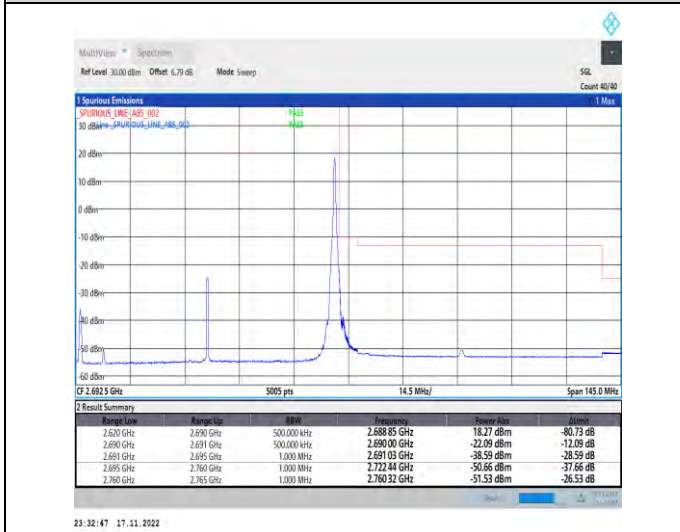


1-N41-PC2-30-70-H-2-DFT-PI2BPSK-Edge\_1RB\_Righ t-1@188-Ant1-1--PASS-see graph

1-N41-PC2-30-70-H-3-DFT-PI2BPSK-Outer\_Full-1 80@0-Ant1-1--PASS-see graph



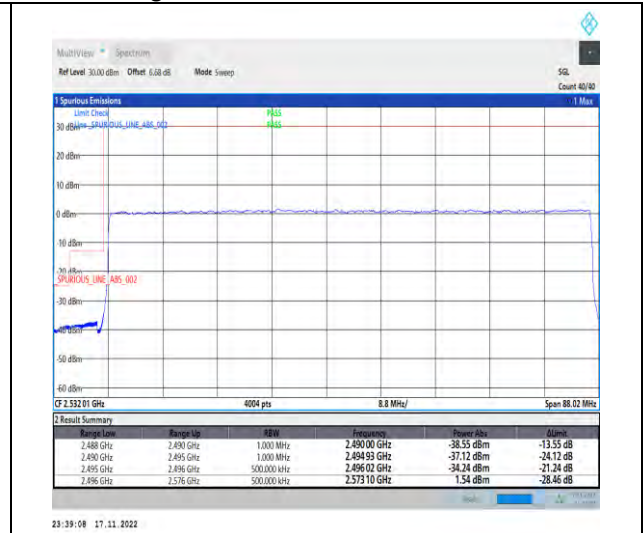
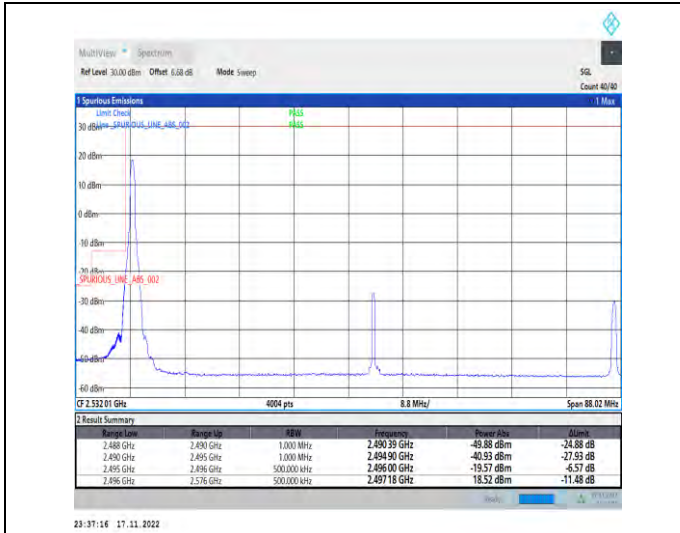
1-N41-PC2-30-70-H-5-CP-QPSK-Edge\_1RB\_Right-1 @188-Ant1-1--PASS-see graph

1-N41-PC2-30-70-H-6-CP-QPSK-Outer\_Full-189 @0-Ant1-1--PASS-see graph



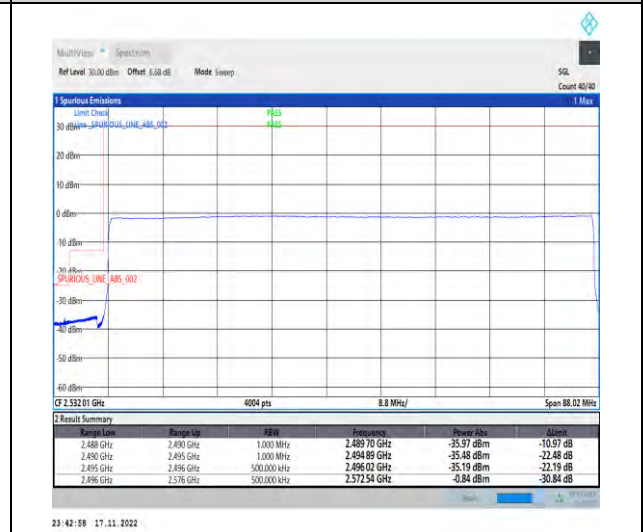
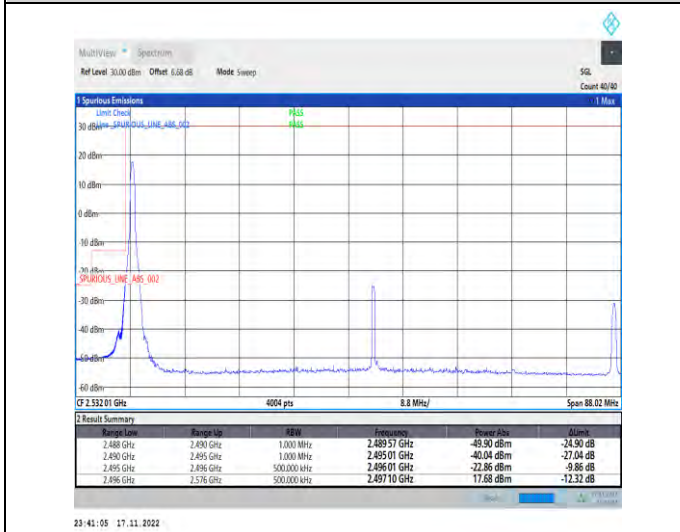
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1-N41-PC2-30-80-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N41-PC2-30-80-L-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant1-1--PASS-see graph



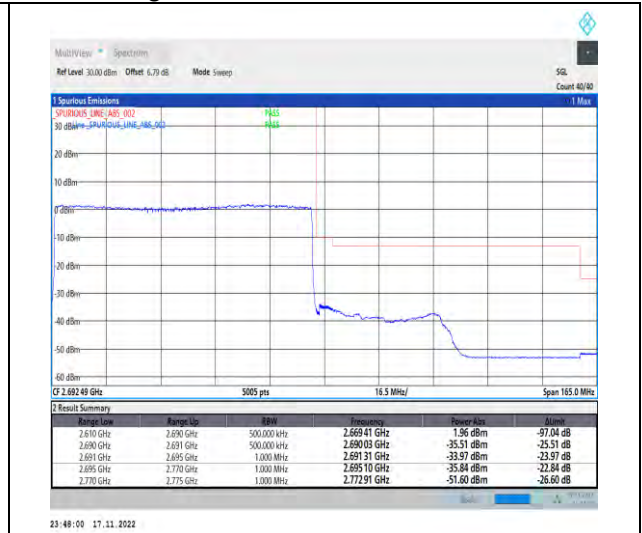
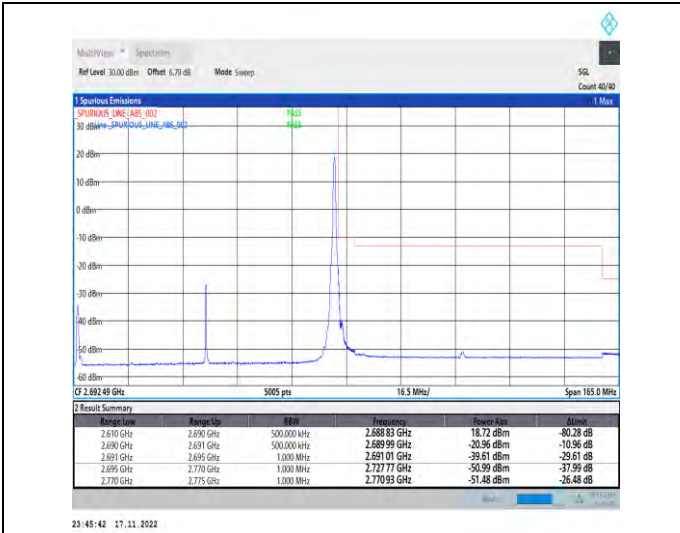
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1-N41-PC2-30-80-L-6-CP-QPSK-Outer\_Full-217@0-Ant1-1--PASS-see graph



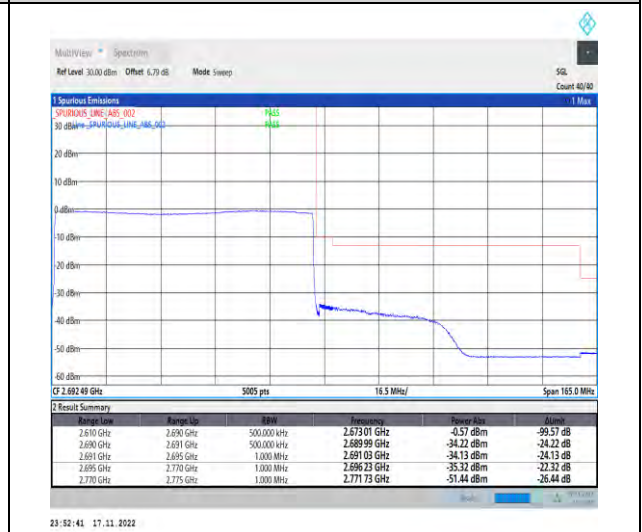
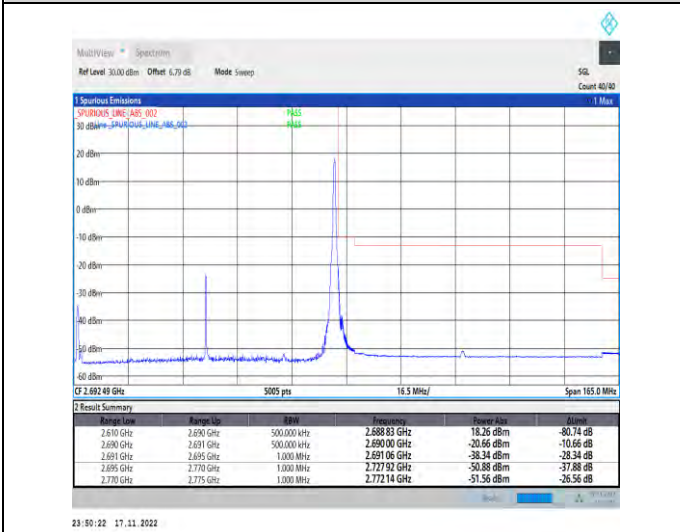
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1-N41-PC2-30-80-H-2-DFT-PI2BPSK-Edge\_1RB\_Righ t-1@216-Ant1-1--PASS-see graph

1-N41-PC2-30-80-H-3-DFT-PI2BPSK-Outer\_Full-2 16@0-Ant1-1--PASS-see graph



1-N41-PC2-30-80-H-5-CP-QPSK-Edge\_1RB\_Right-1 @216-Ant1-1--PASS-see graph

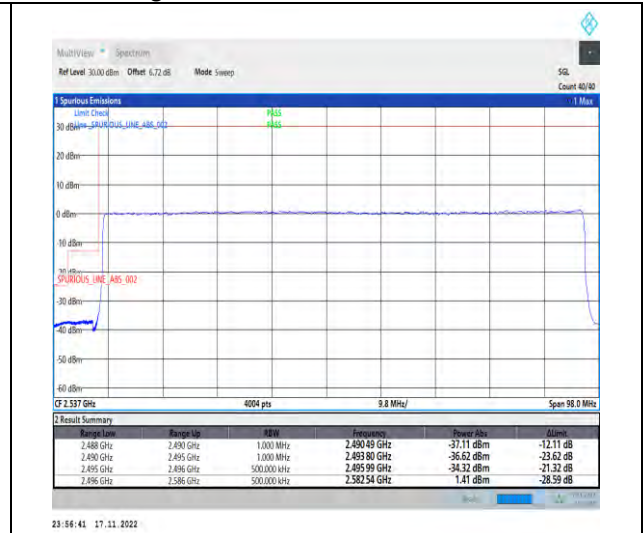
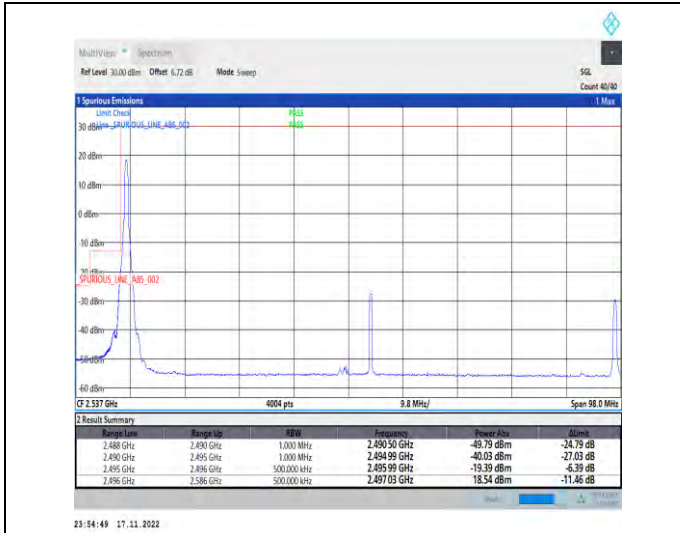
1-N41-PC2-30-80-H-6-CP-QPSK-Outer\_Full-217 @0-Ant1-1--PASS-see graph



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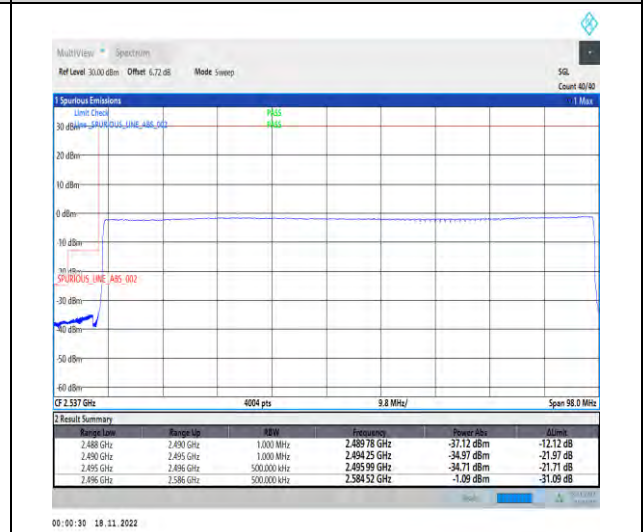
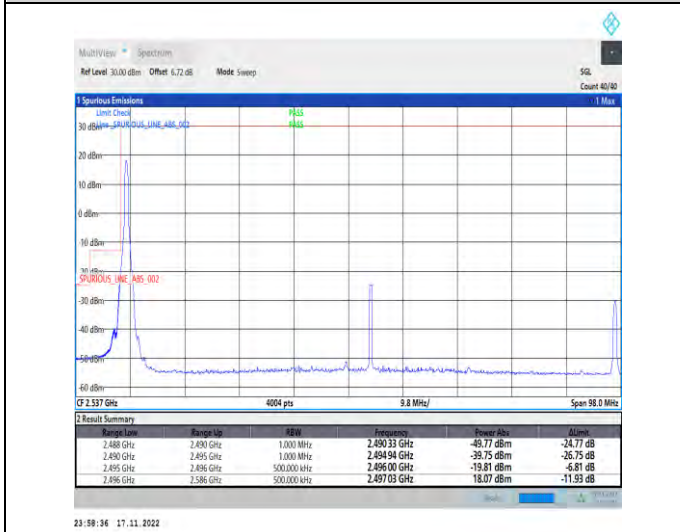
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1-N41-PC2-30-90-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N41-PC2-30-90-L-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant1-1--PASS-see graph



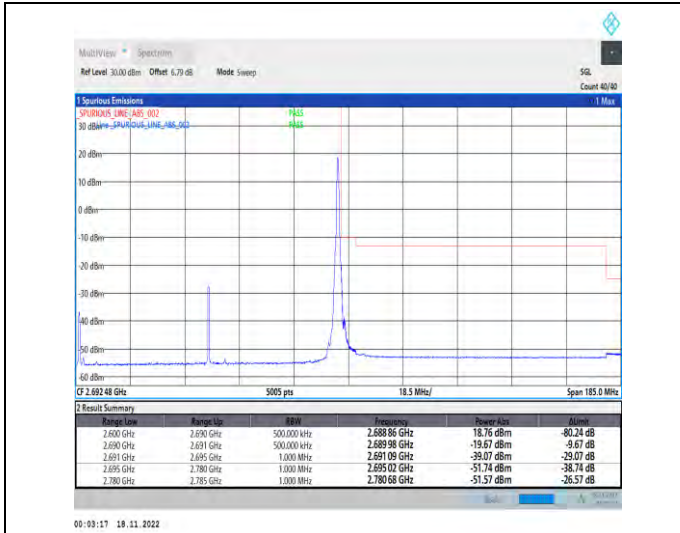
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1-N41-PC2-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant1-1--PASS-see graph

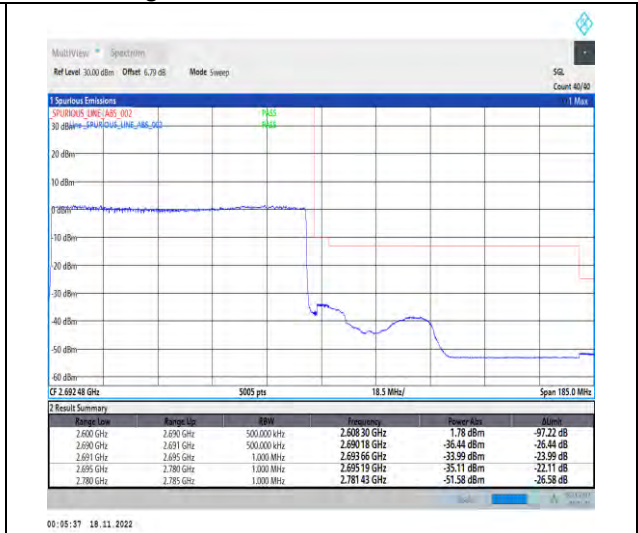


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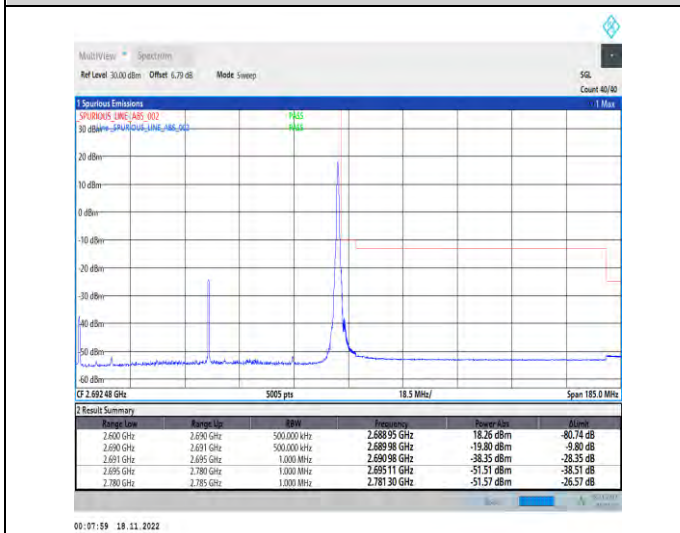
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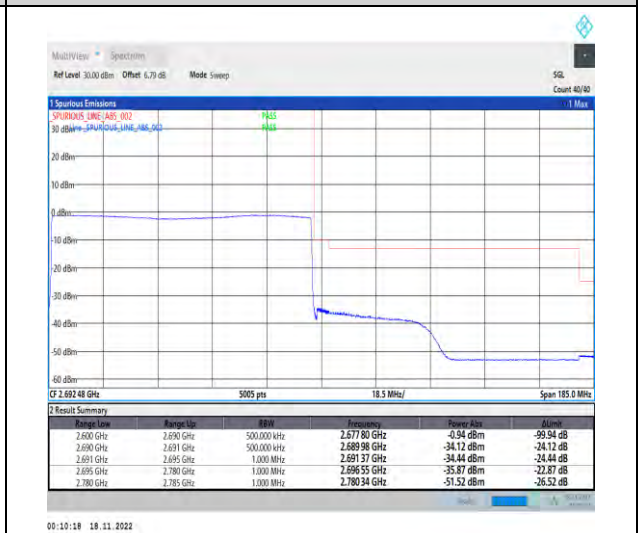
1-N41-PC2-30-90-H-2-DFT-PI2BPSK-Edge\_1RB\_Righ t-1@244-Ant1-1--PASS-see graph



1-N41-PC2-30-90-H-3-DFT-PI2BPSK-Outer\_Full-2 40@0-Ant1-1--PASS-see graph



1-N41-PC2-30-90-H-5-CP-QPSK-Edge\_1RB\_Right-1 @244-Ant1-1--PASS-see graph

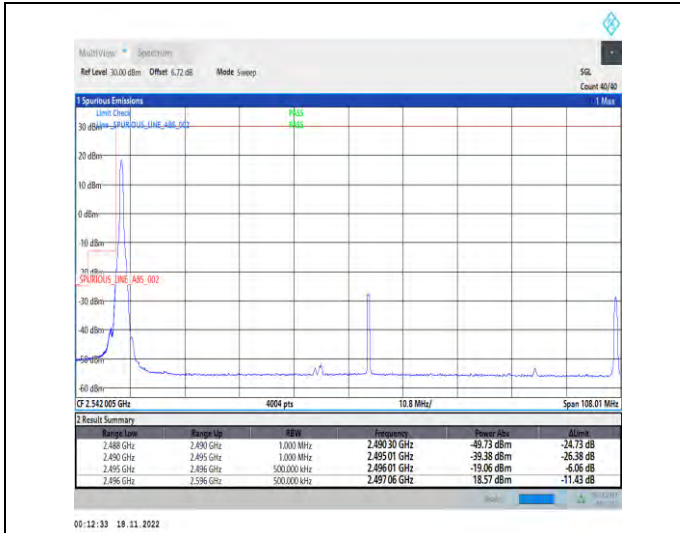


1-N41-PC2-30-90-H-6-CP-QPSK-Outer\_Full-245 @0-Ant1-1--PASS-see graph

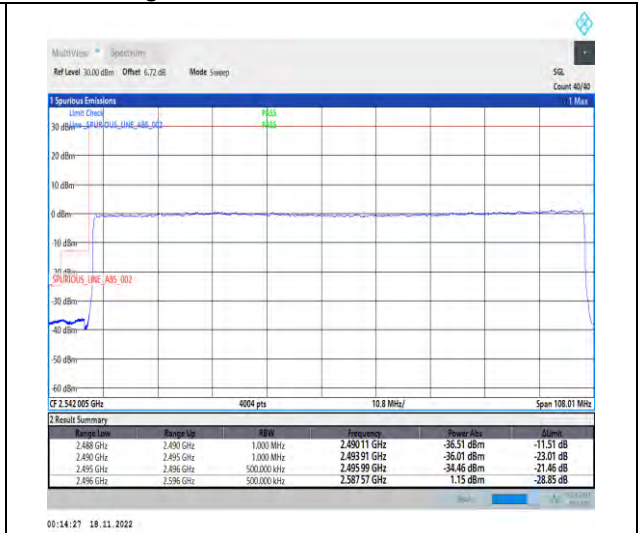


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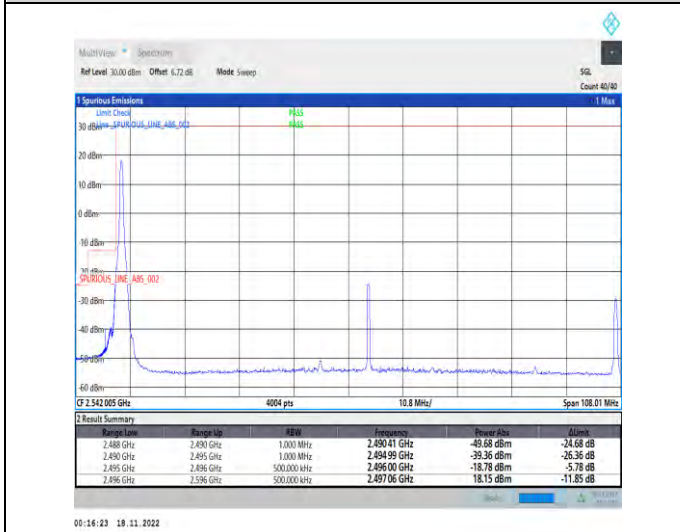
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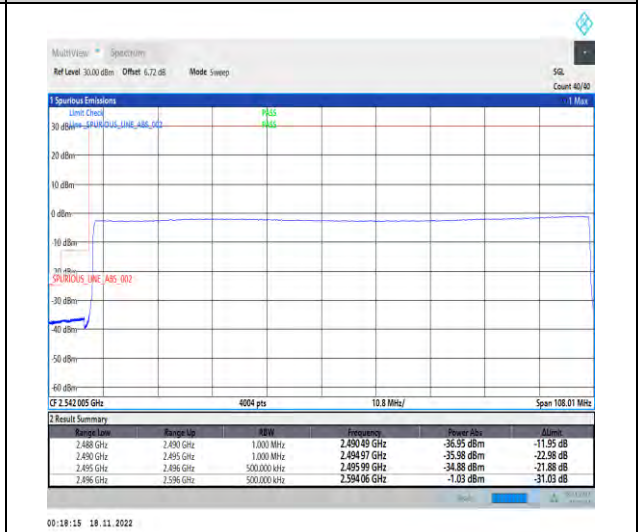
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1-N41-PC2-30-100-L-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-1--PASS-see graph



1-N41-PC2-30-100-L-4-CP-QPSK-Edge\_1RB\_Left1@0-Ant1-1--PASS-see graph

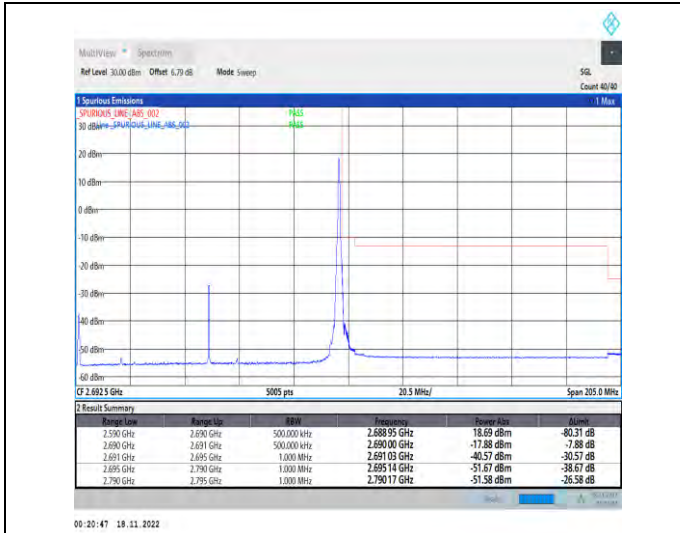


1-N41-PC2-30-100-L-6-CP-QPSK-Outer\_Full-273@0-Ant1-1--PASS-see graph

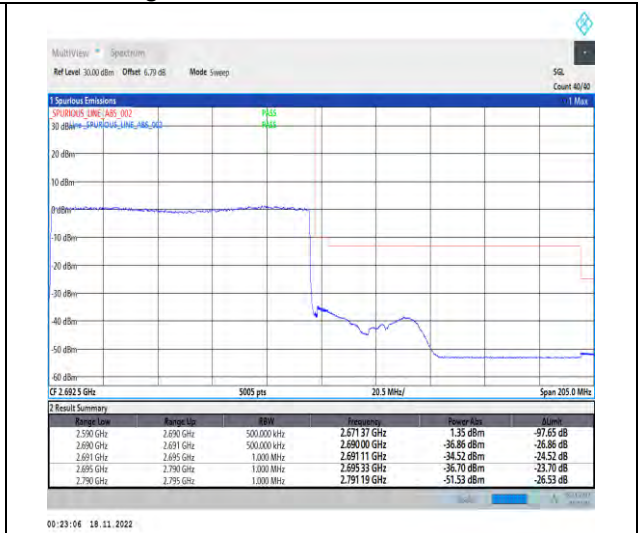


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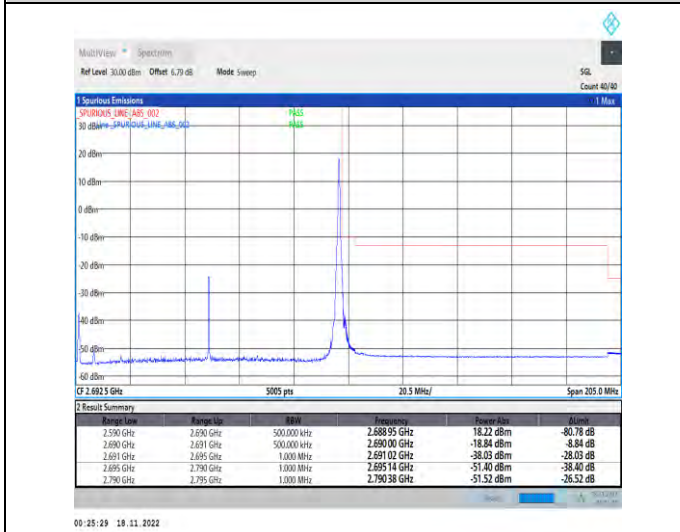
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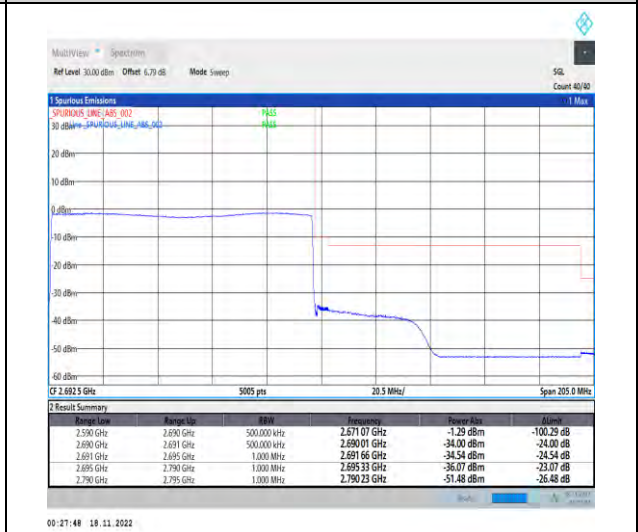
1-N41-PC2-30-100-H-2-DFT-PI2BPSK-Edge\_1RB\_Rig ht-1@272-Ant1-1--PASS-see graph



1-N41-PC2-30-100-H-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-1--PASS-see graph



1-N41-PC2-30-100-H-5-CP-QPSK-Edge\_1RB\_Right-1 @272-Ant1-1--PASS-see graph



1-N41-PC2-30-100-H-6-CP-QPSK-Outer\_Full-273 @0-Ant1-1--PASS-see graph

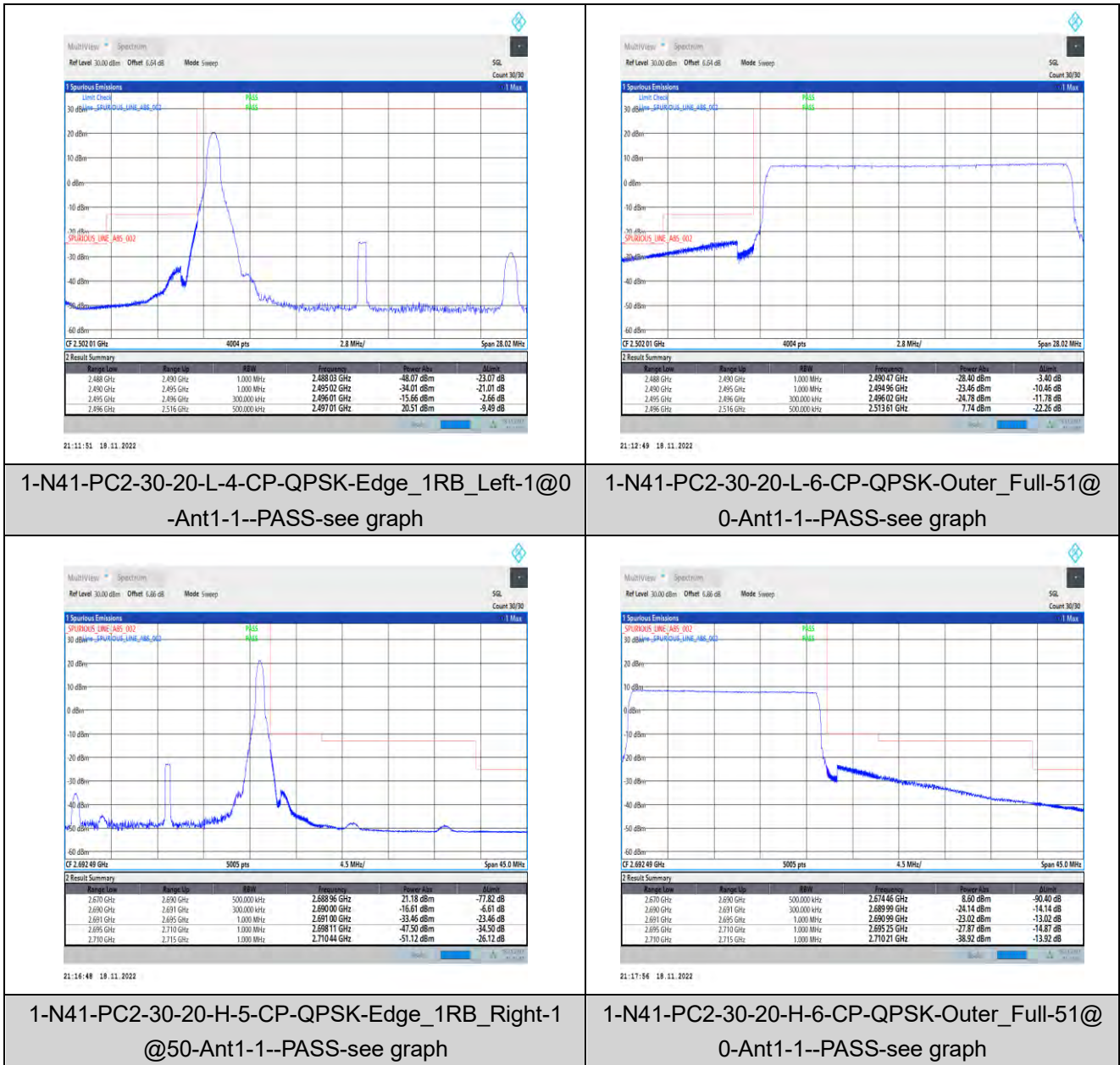


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## Band Edge for MIMO

### Test Graphs

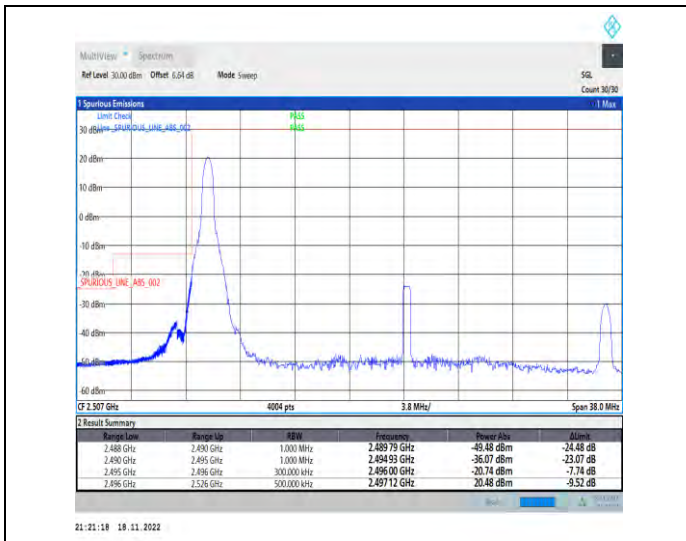


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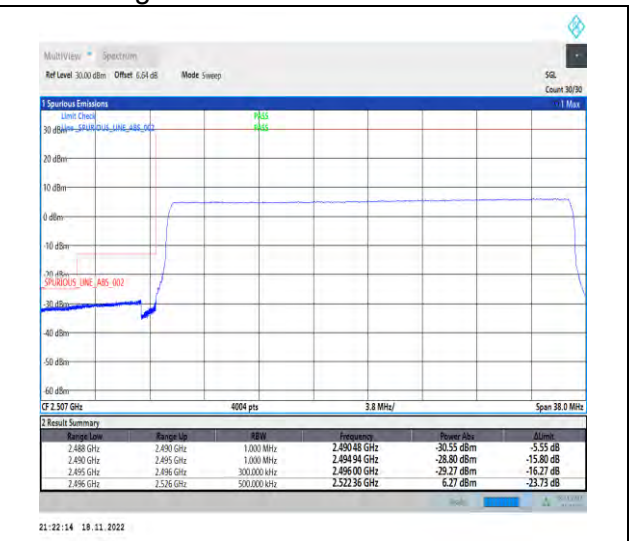
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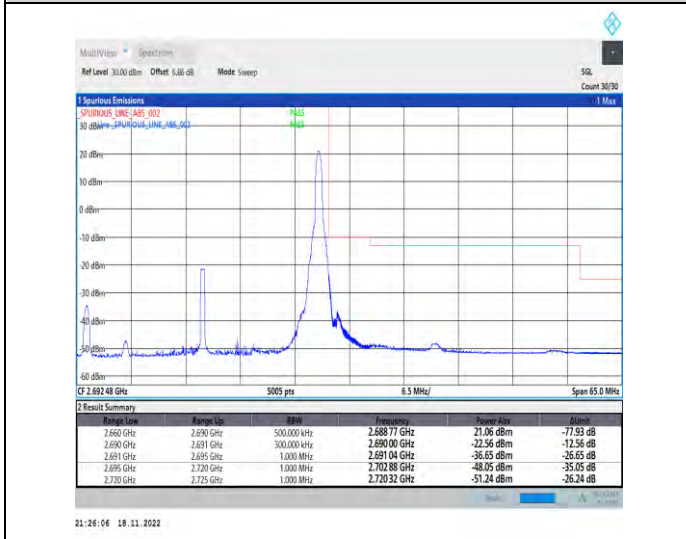




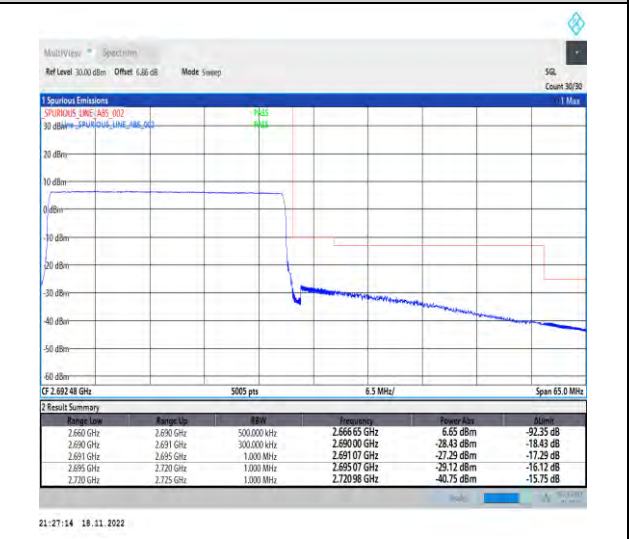
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 0-Ant1-1--PASS-see graph

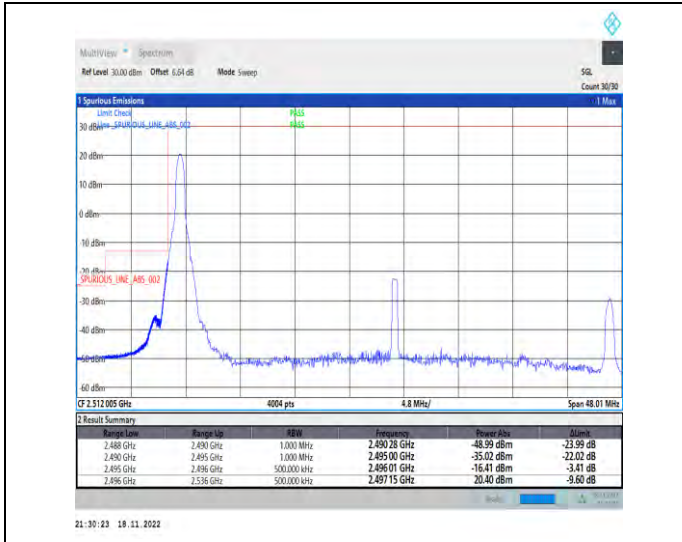


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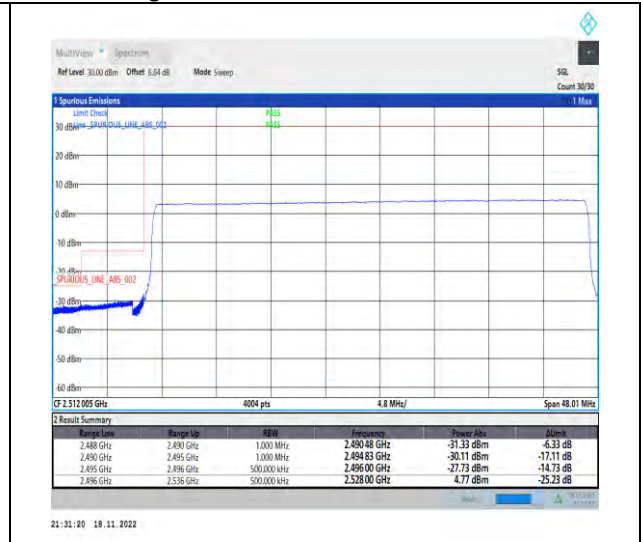


1-N41-PC2-30-30-H-6-CP-QPSK-Outer\_Full-78@  
 0-Ant1-1--PASS-see graph

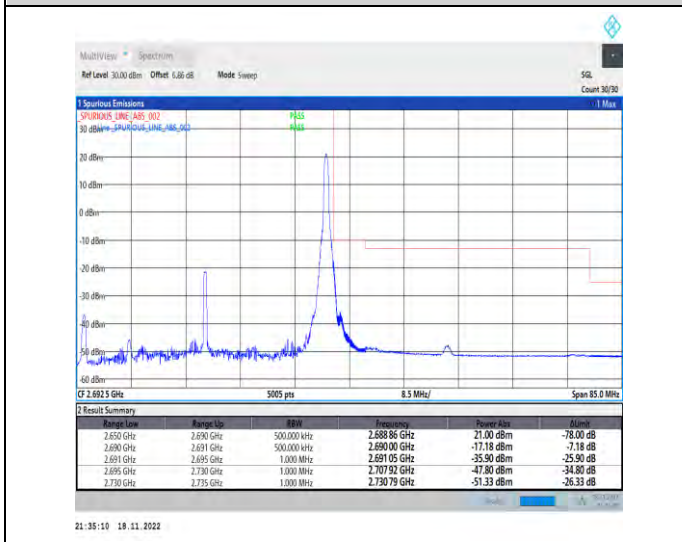




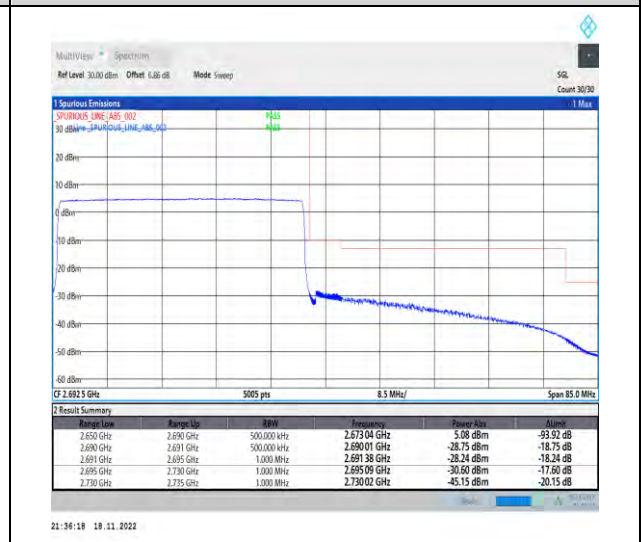
1-N41-PC2-30-40-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



1-N41-PC2-30-40-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-1--PASS-see graph



1-N41-PC2-30-40-H-5-CP-QPSK-Edge\_1RB\_Right-1@105-Ant1-1--PASS-see graph

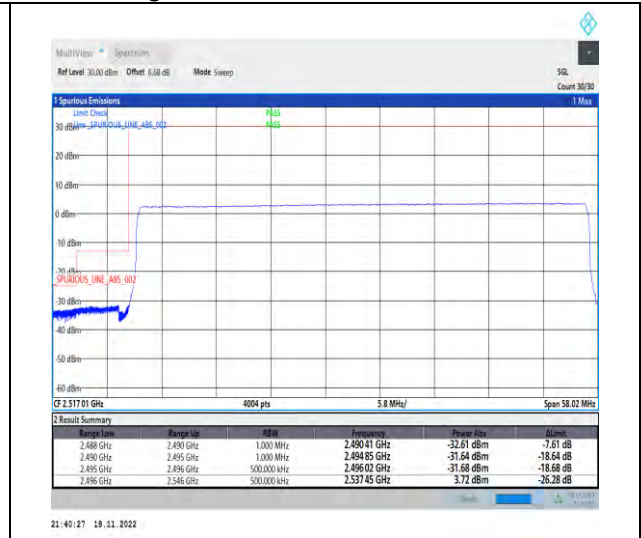
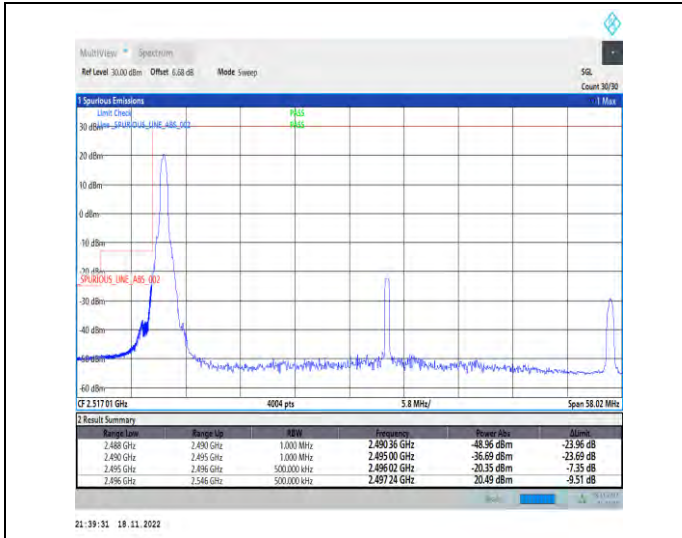


1-N41-PC2-30-40-H-6-CP-QPSK-Outer\_Full-106@0-Ant1-1--PASS-see graph



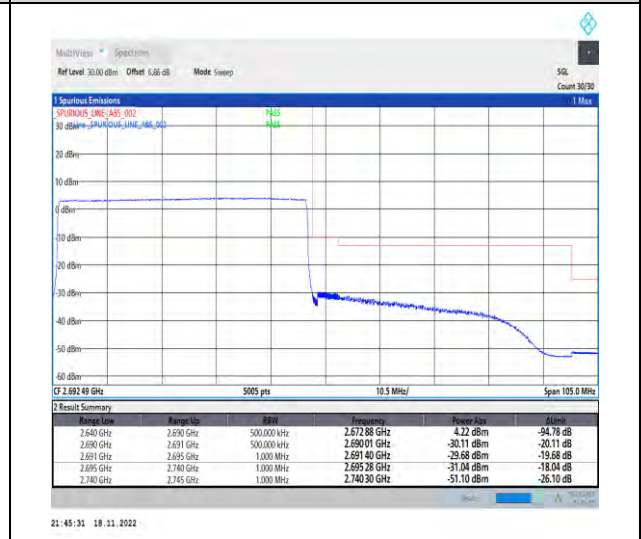
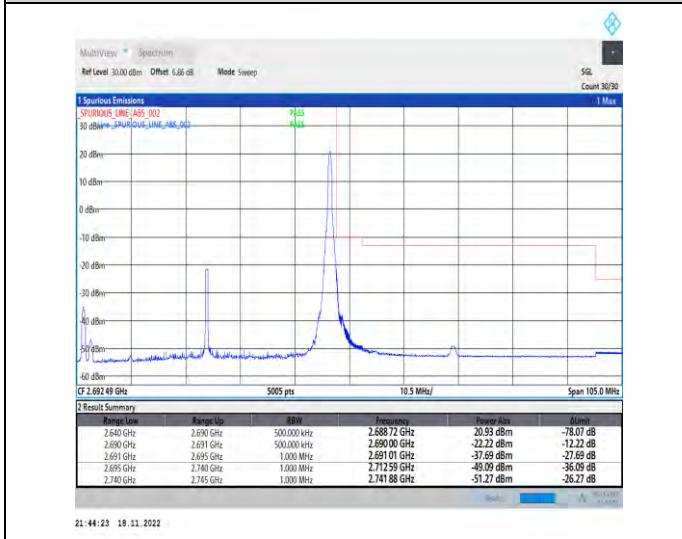
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1-N41-PC2-30-50-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N41-PC2-30-50-L-6-CP-QPSK-Outer\_Full-133@0-Ant1-1--PASS-see graph



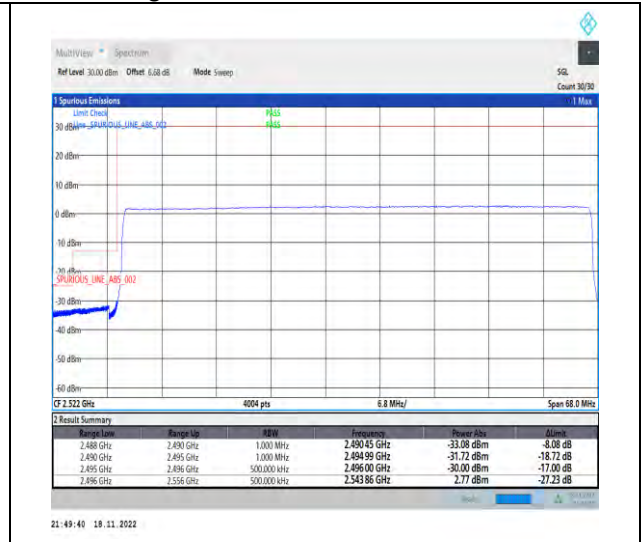
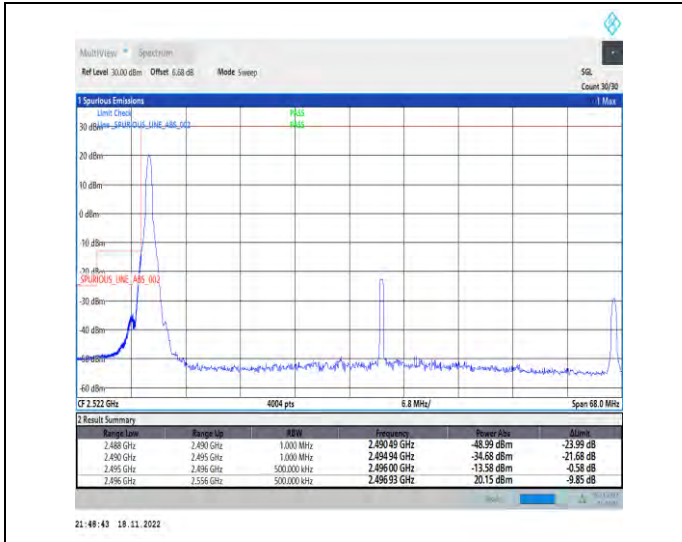
1-N41-PC2-30-50-H-5-CP-QPSK-Edge\_1RB\_Right-1@132-Ant1-1--PASS-see graph

1-N41-PC2-30-50-H-6-CP-QPSK-Outer\_Full-133@0-Ant1-1--PASS-see graph



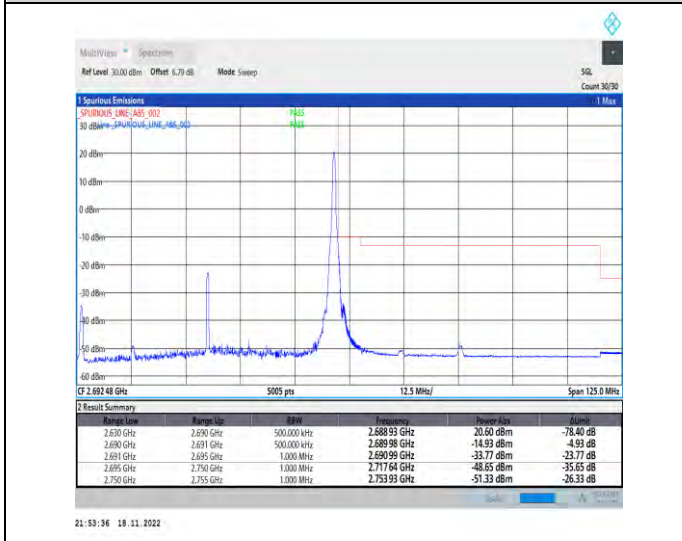
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1-N41-PC2-30-60-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N41-PC2-30-60-L-6-CP-QPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



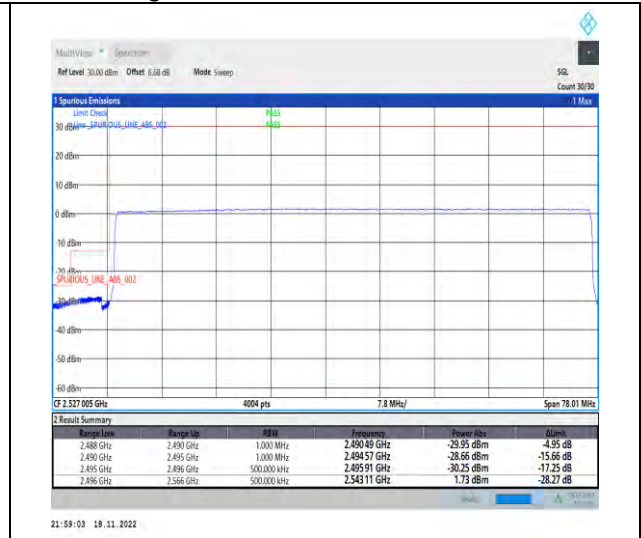
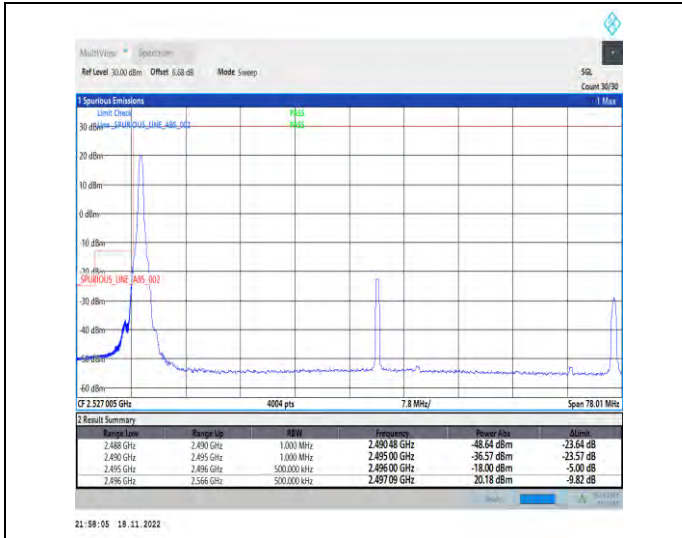
1-N41-PC2-30-60-H-5-CP-QPSK-Edge\_1RB\_Right-1@161-Ant1-1--PASS-see graph

1-N41-PC2-30-60-H-6-CP-QPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



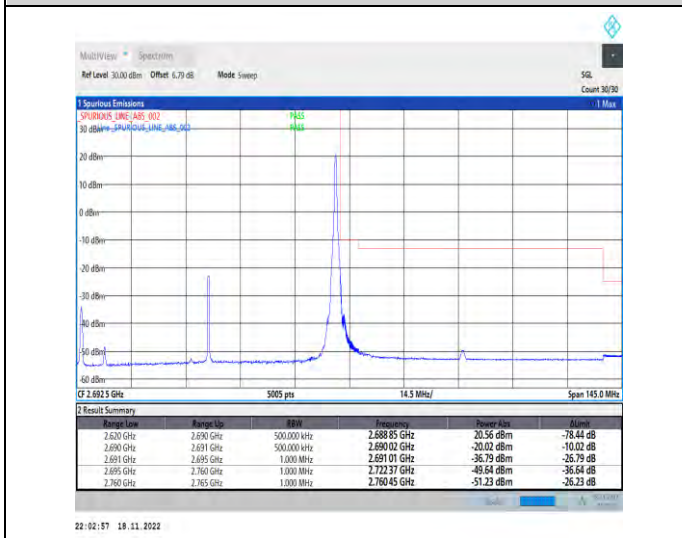
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1-N41-PC2-30-70-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N41-PC2-30-70-L-6-CP-QPSK-Outer\_Full-189@0-Ant1-1--PASS-see graph



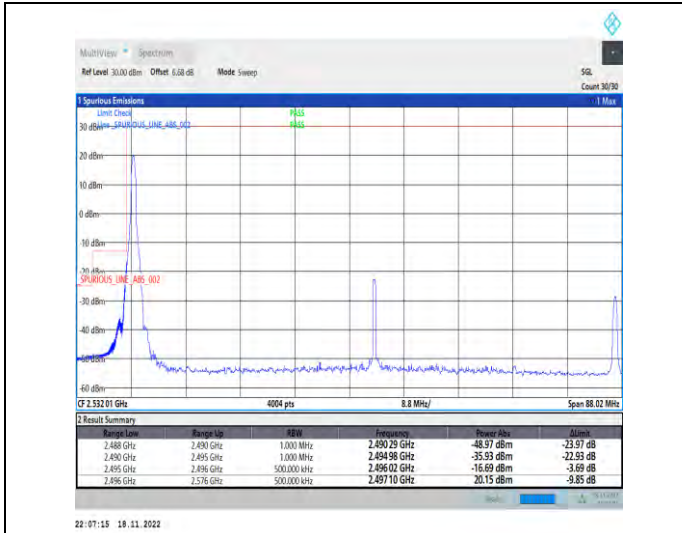
1-N41-PC2-30-70-H-5-CP-QPSK-Edge\_1RB\_Right-1@188-Ant1-1--PASS-see graph

1-N41-PC2-30-70-H-6-CP-QPSK-Outer\_Full-189@0-Ant1-1--PASS-see graph

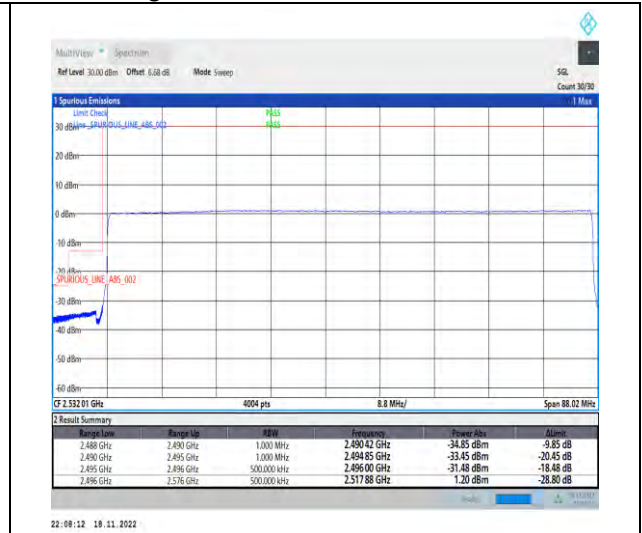


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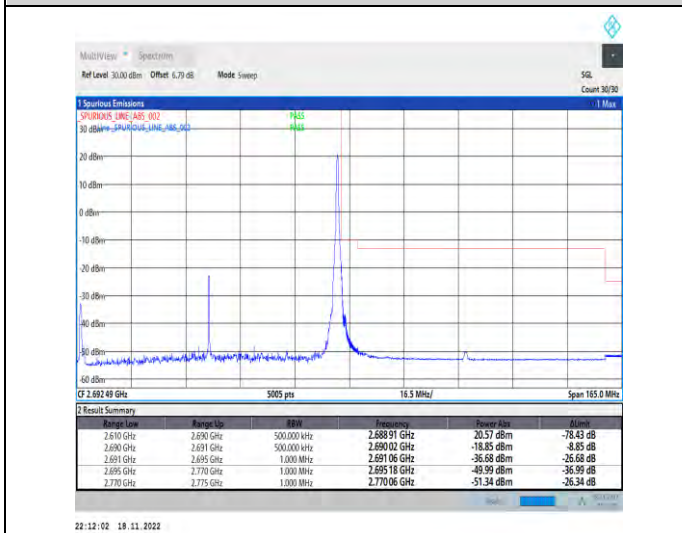
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1-N41-PC2-30-80-L-4-CP-QPSK-Edge\_1RB\_Left-1@0  
-Ant1-1--PASS-see graph



1-N41-PC2-30-80-L-6-CP-QPSK-Outer\_Full-217  
@0-Ant1-1--PASS-see graph



1-N41-PC2-30-80-H-5-CP-QPSK-Edge\_1RB\_Right-1  
@216-Ant1-1--PASS-see graph

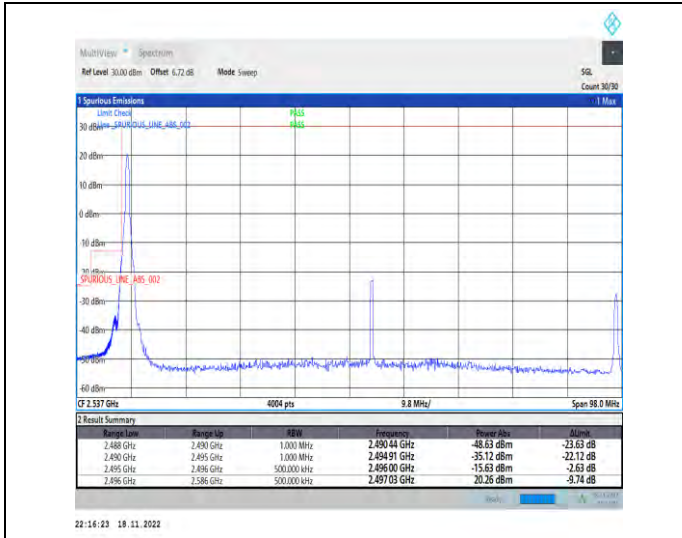


1-N41-PC2-30-80-H-6-CP-QPSK-Outer\_Full-217  
@0-Ant1-1--PASS-see graph

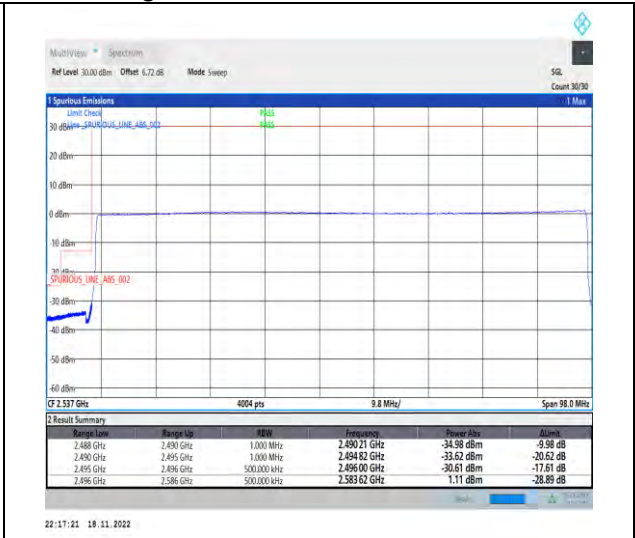


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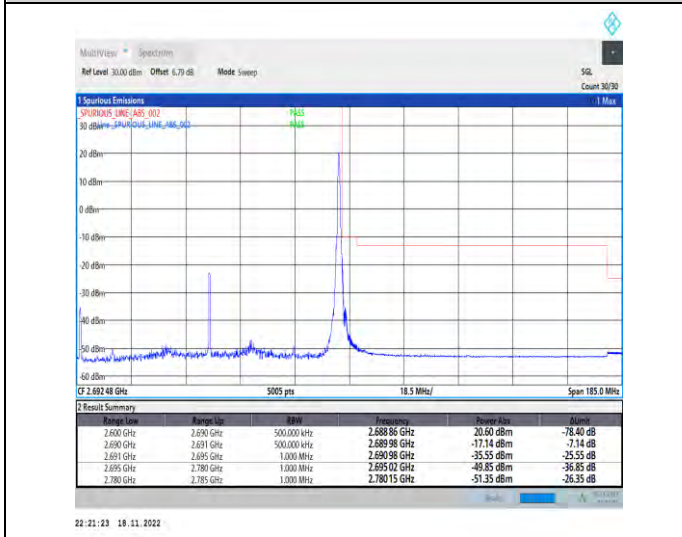
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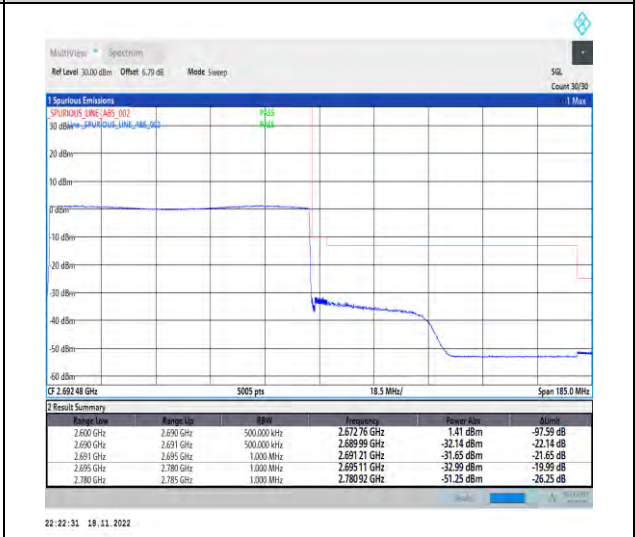
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1-N41-PC2-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant1-1--PASS-see graph



1-N41-PC2-30-90-H-5-CP-QPSK-Edge\_1RB\_Right-1@244-Ant1-1--PASS-see graph

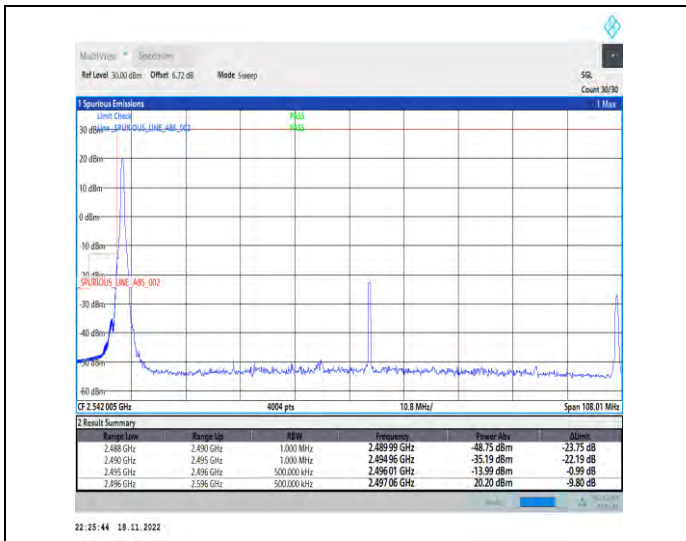


1-N41-PC2-30-90-H-6-CP-QPSK-Outer\_Full-245@0-Ant1-1--PASS-see graph



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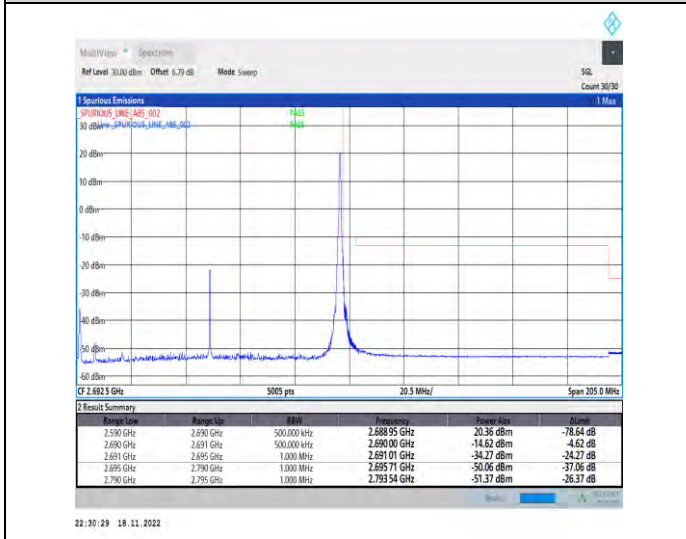
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1-N41-PC2-30-100-L-4-CP-QPSK-Edge\_1RB\_Left-1@  
 0-Ant1-1--PASS-see graph



1-N41-PC2-30-100-L-6-CP-QPSK-Outer\_Full-273  
 @0-Ant1-1--PASS-see graph



1-N41-PC2-30-100-H-5-CP-QPSK-Edge\_1RB\_Right-1  
 @272-Ant1-1--PASS-see graph



1-N41-PC2-30-100-H-6-CP-QPSK-Outer\_Full-273  
 @0-Ant1-1--PASS-see graph



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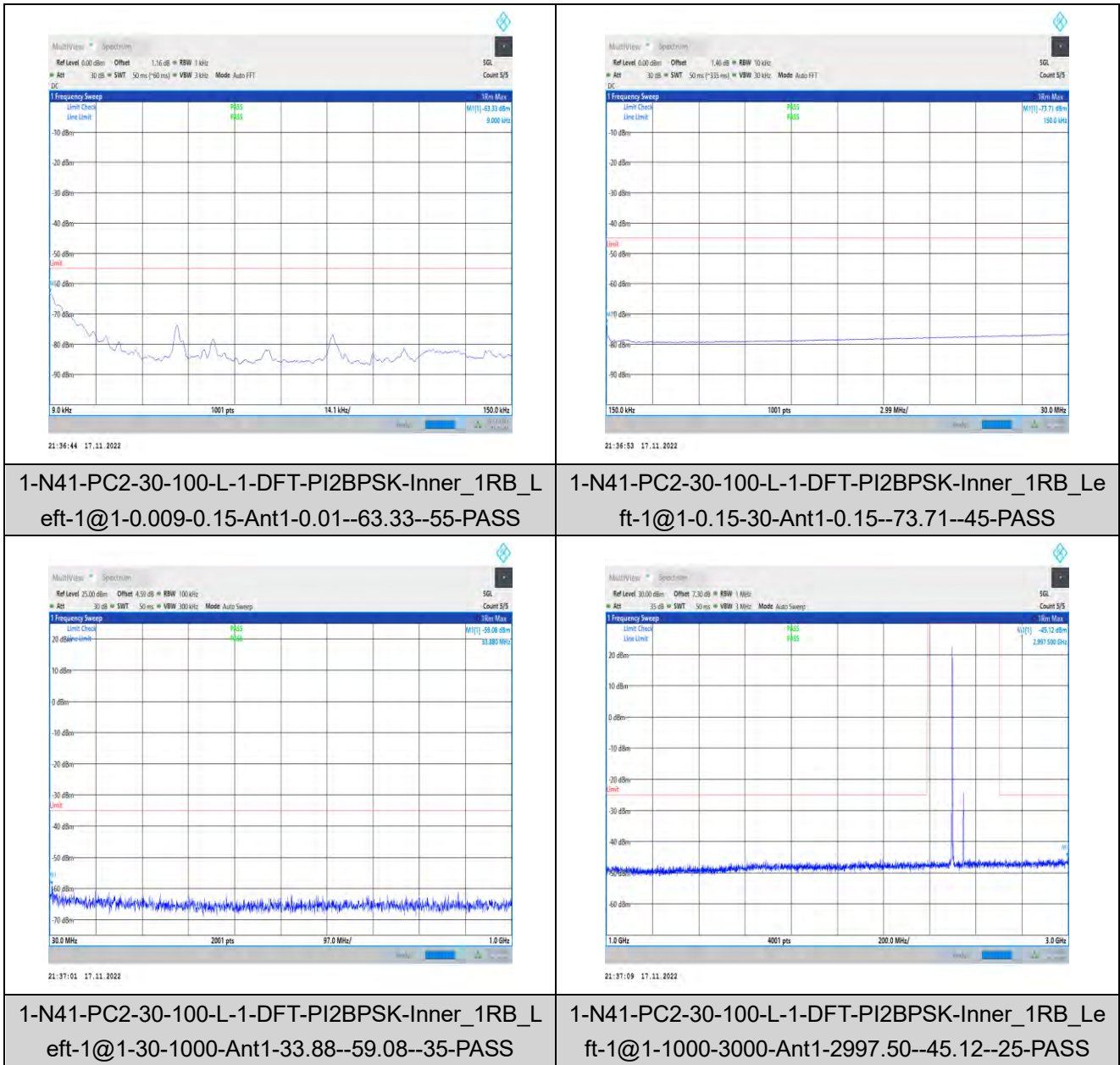
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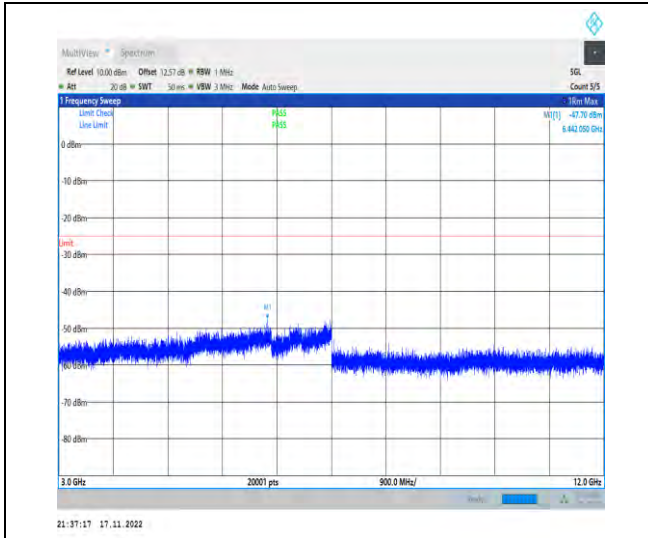
## Conducted Spurious Emission for SA

### Test Graphs

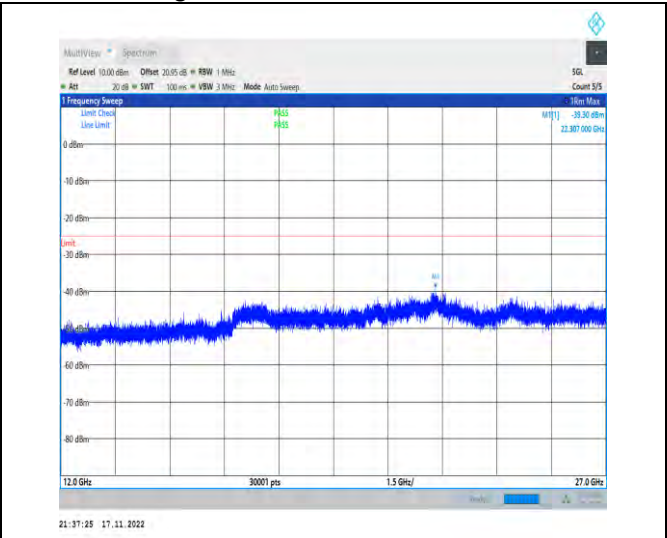


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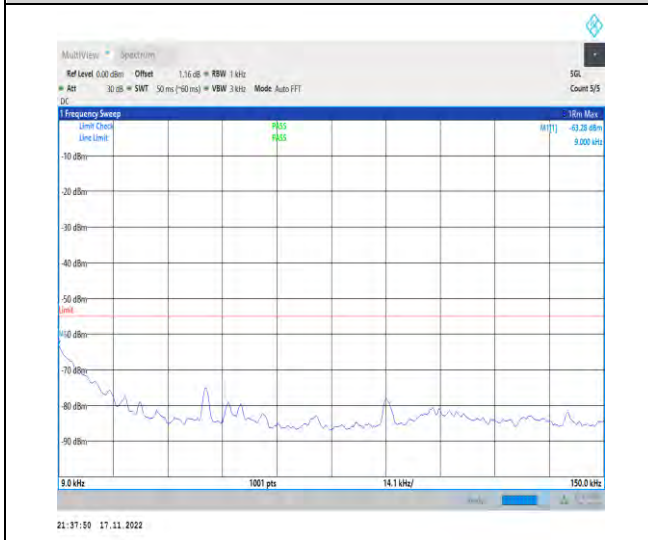
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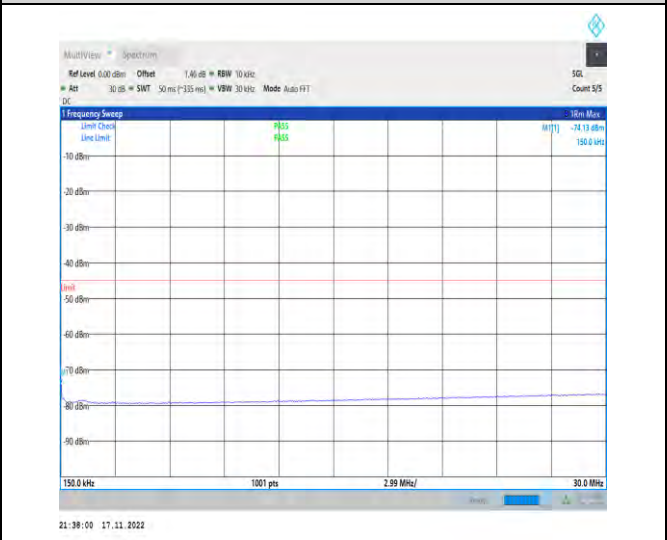
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S



1-N41-PC2-30-100-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-27000-Ant1-22307.00--39.30--25-PAS  
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1-N41-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant1-0.01--63.28--55-PASS

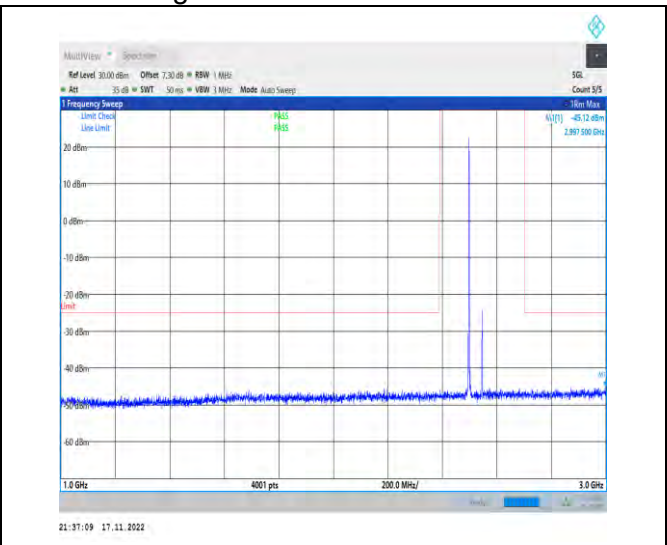
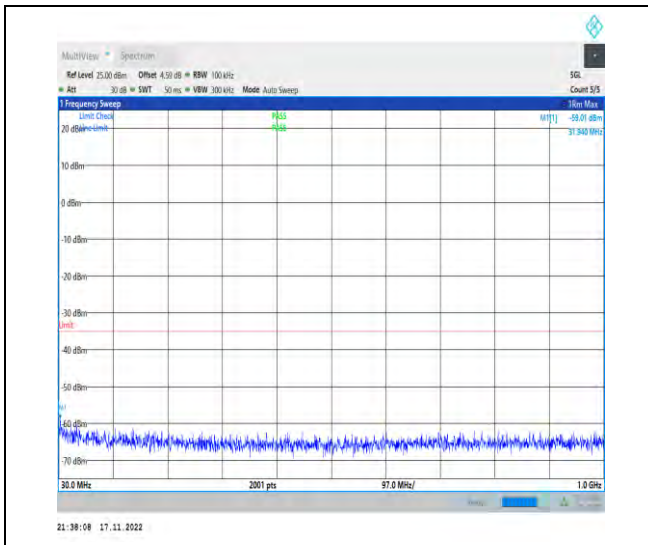


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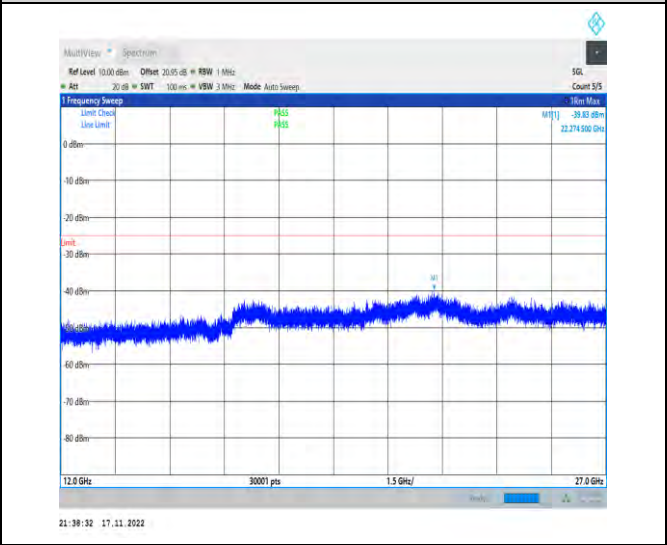
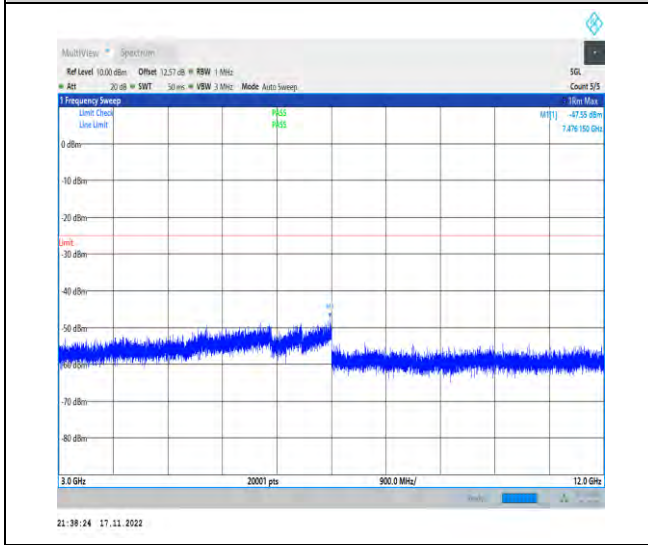
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1-N41-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant1-31.94--59.01--35-PASS

1-N41-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-1000-3000-Ant1-2767.00--45.21--25-PASS



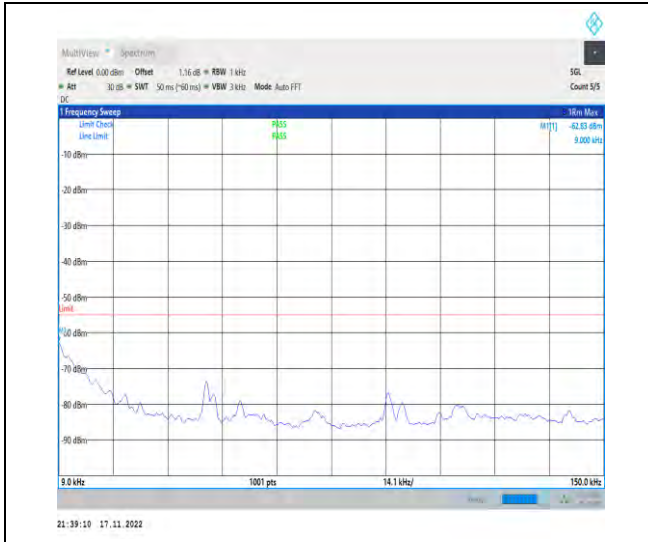
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SS

1-N41-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-27000-Ant1-22274.50--39.83--25-PA  
SS

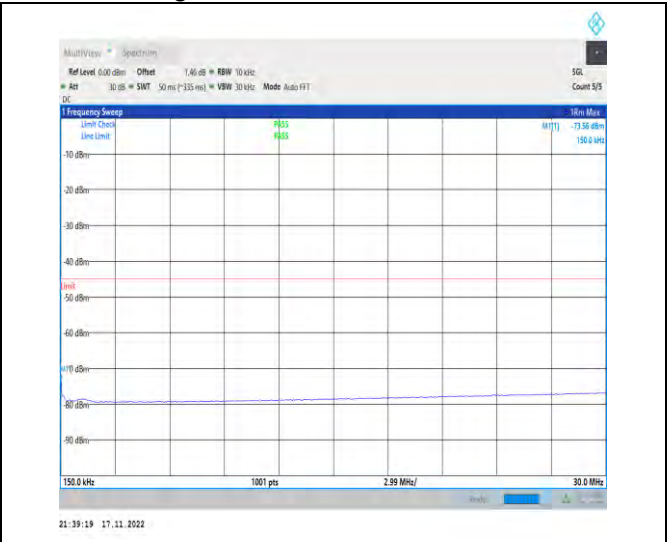


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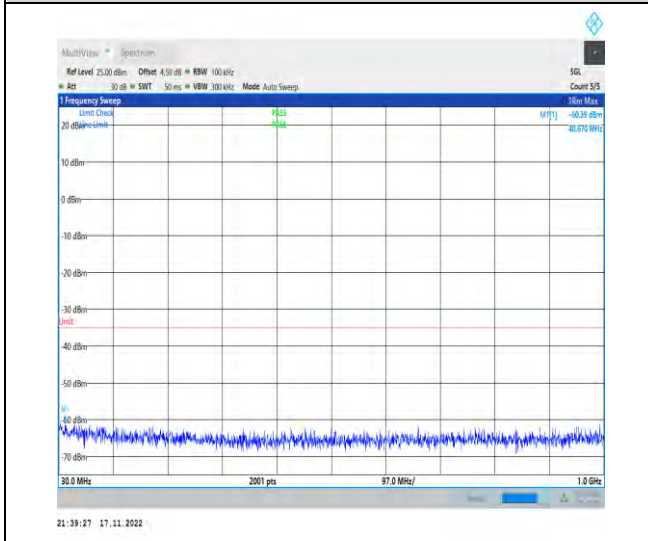
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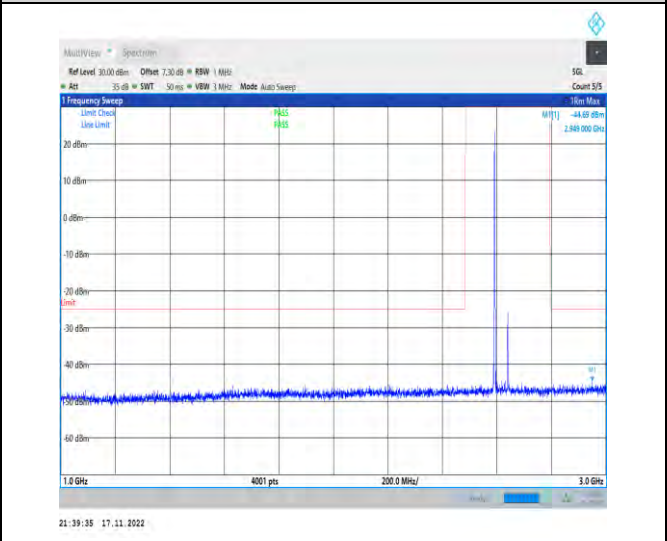
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1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1-0.15--73.56--45-PASS



1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant1-40.67--60.39--35-PASS

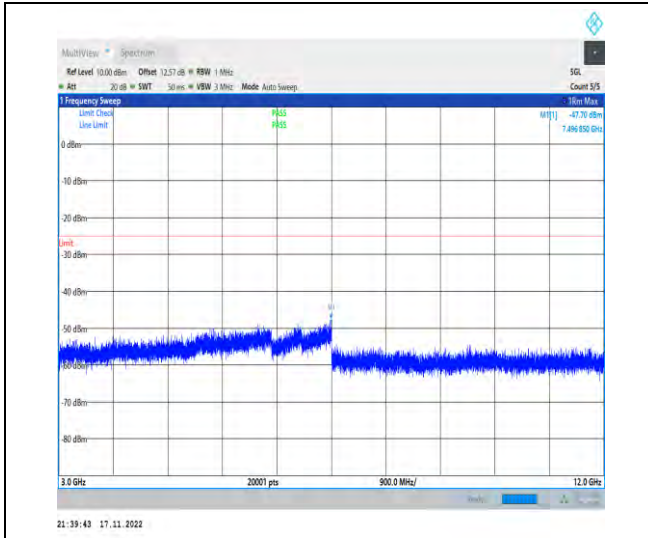


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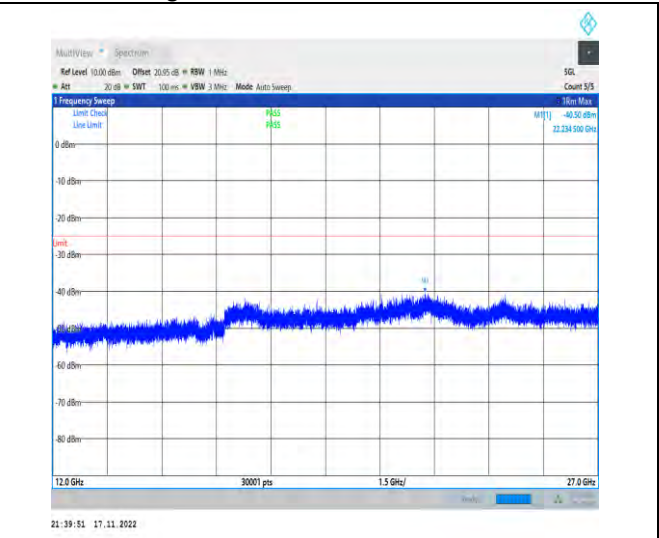


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1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-3000-12000-Ant1-7496.85--47.70--25-PA  
SS



1-N41-PC2-30-100-H-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-12000-27000-Ant1-22234.50--40.50--25-PA  
SS



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## Conducted Spurious Emission for MIMO

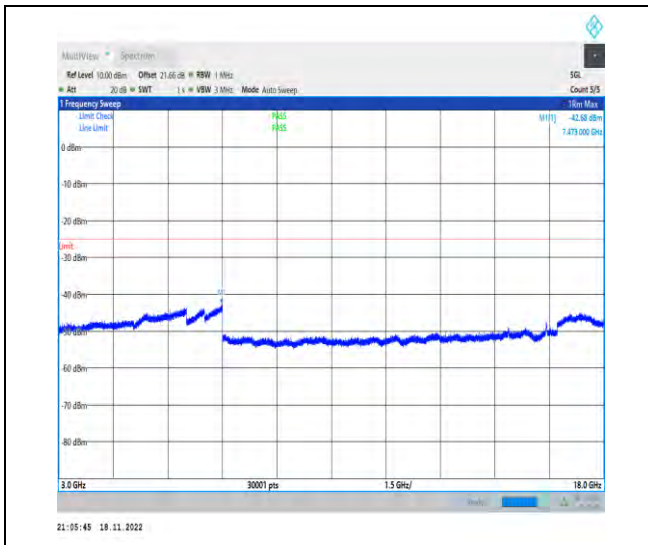
### Test Graphs for

<p>1-N41-PC2-30-100-L-1-DFT-QPSK-Edge_1RB_Left -1@0-0.009-0.15-Ant1-0.01--60.49--55-PASS</p>	<p>1-N41-PC2-30-100-L-1-DFT-QPSK-Edge_1RB_Left- 1@0-0.15-30-Ant1-0.15--70.86--45-PASS</p>
<p>1-N41-PC2-30-100-L-1-DFT-QPSK-Edge_1RB_Left -1@0-30-1000-Ant1-35.34--68.93--35-PASS</p>	<p>1-N41-PC2-30-100-L-1-DFT-QPSK-Edge_1RB_Left- 1@0-1000-3000-Ant1-2925.40--51.51--25-PASS</p>

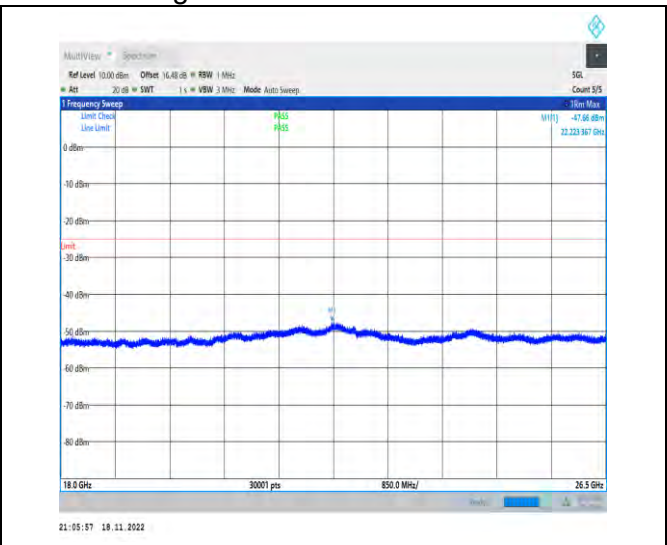


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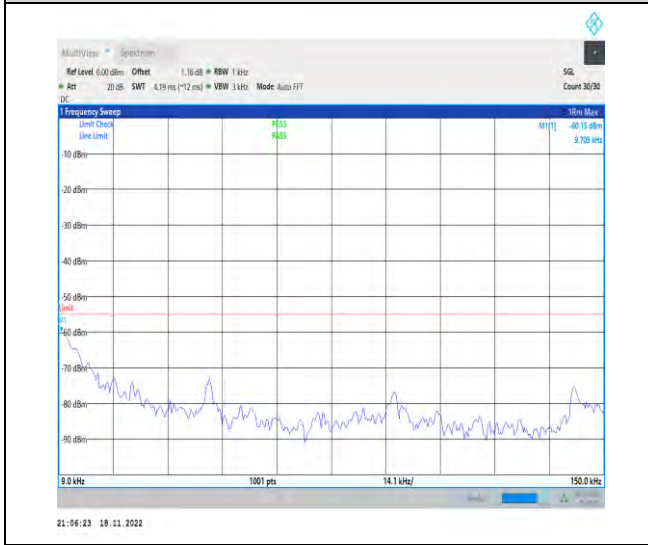
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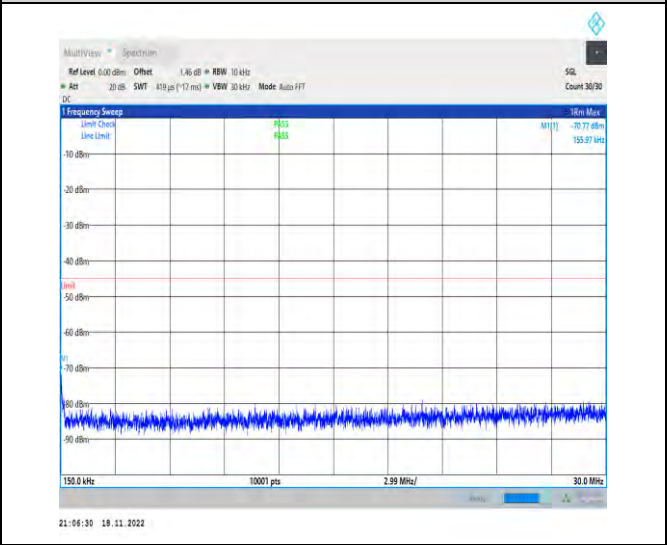
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1-N41-PC2-30-100-L-1-DFT-QPSK-Edge\_1RB\_Left-1@0-18000-26500-Ant1-22223.37--47.66--25-PASS



1-N41-PC2-30-100-M-1-DFT-QPSK-Edge\_1RB\_Left-1@0-0.009-0.15-Ant1-0.01--60.15--55-PASS

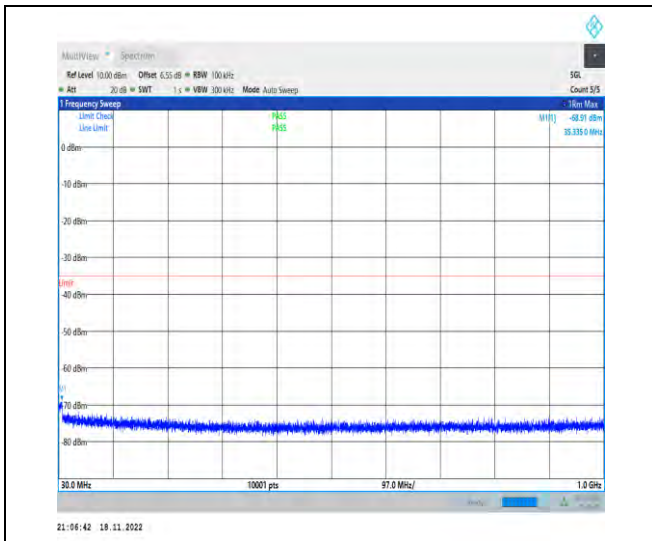


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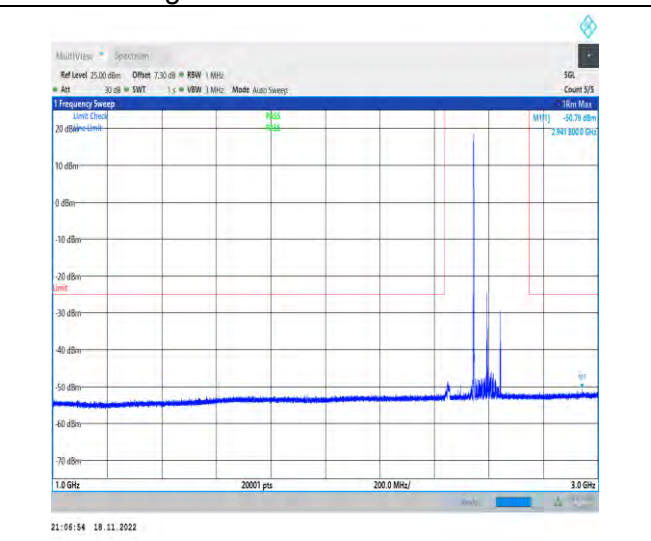


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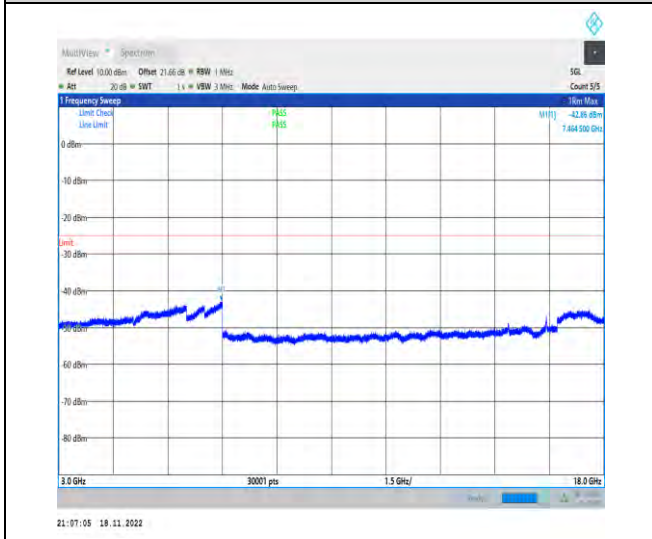
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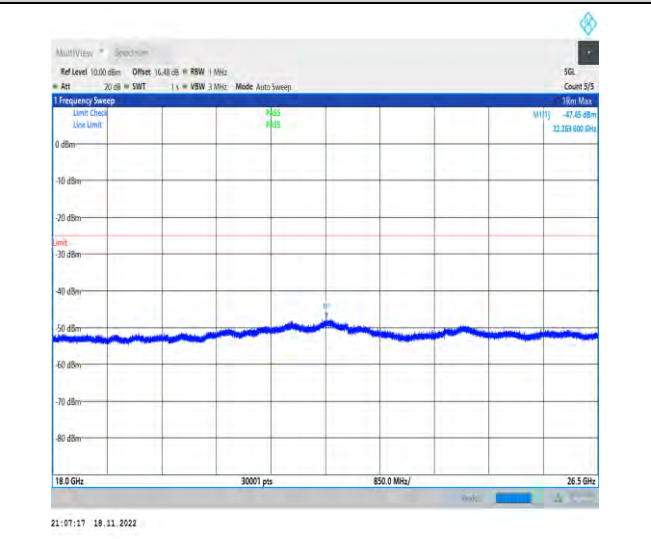
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1-N41-PC2-30-100-M-1-DFT-QPSK-Edge\_1RB\_Left-1@0-1000-3000-Ant1-2941.80--50.79--25-PASS



1-N41-PC2-30-100-M-1-DFT-QPSK-Edge\_1RB\_Left-1@0-3000-18000-Ant1-7464.50--42.86--25-PASS



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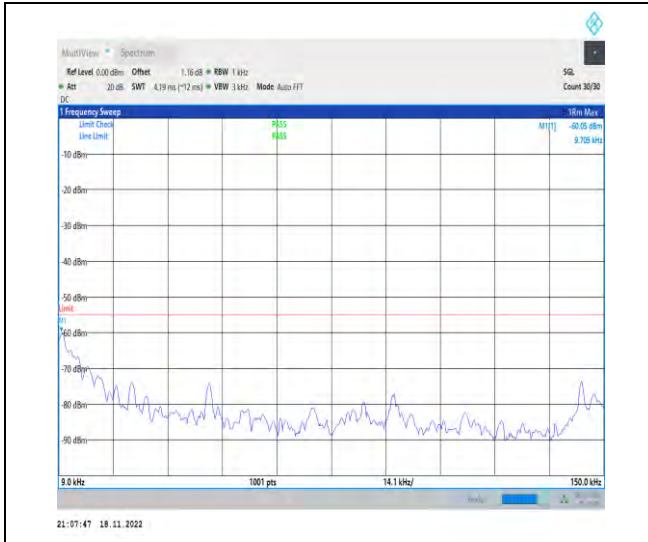


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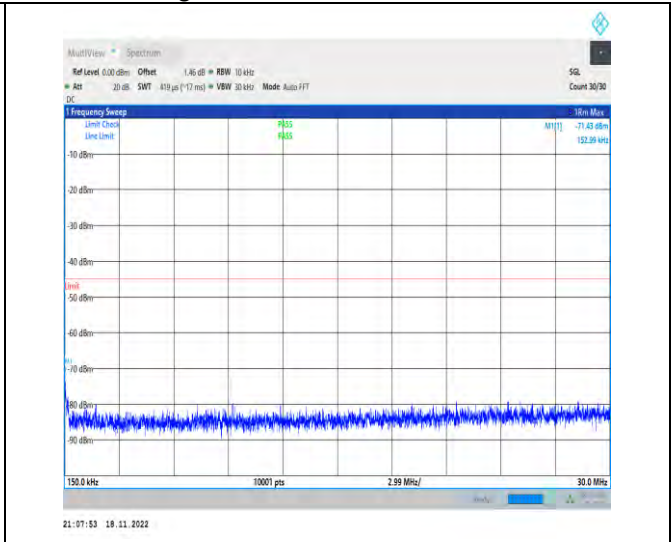
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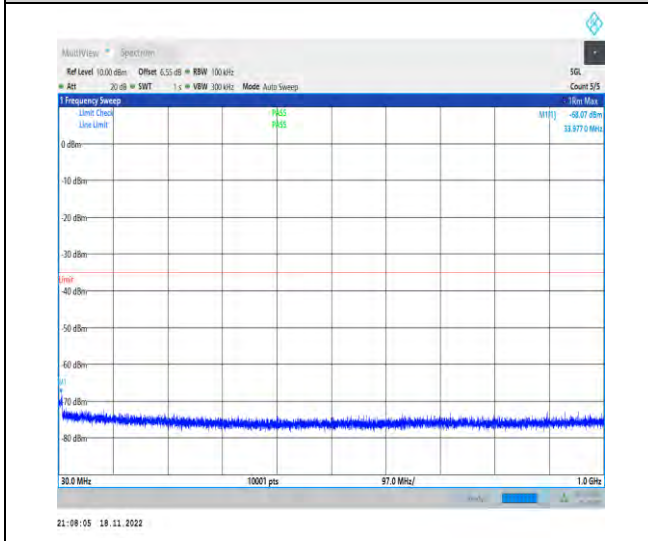




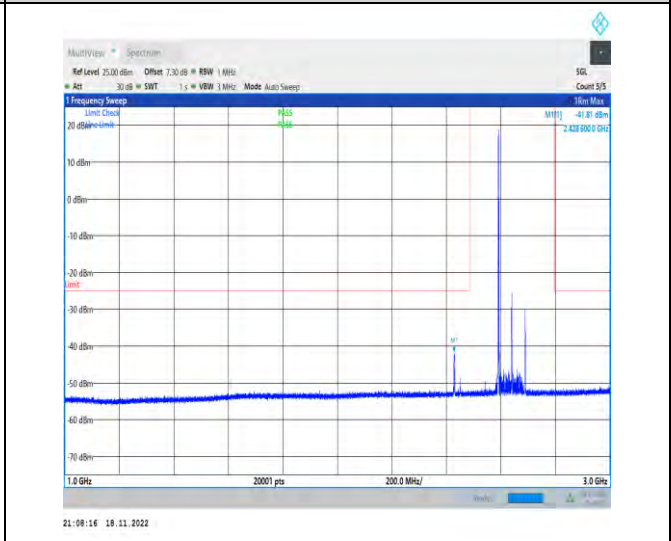
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1-N41-PC2-30-100-H-1-DFT-QPSK-Edge\_1RB\_Left  
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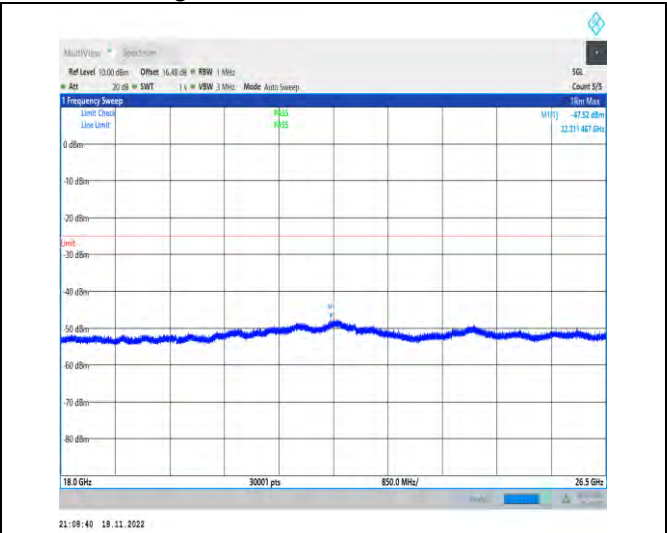
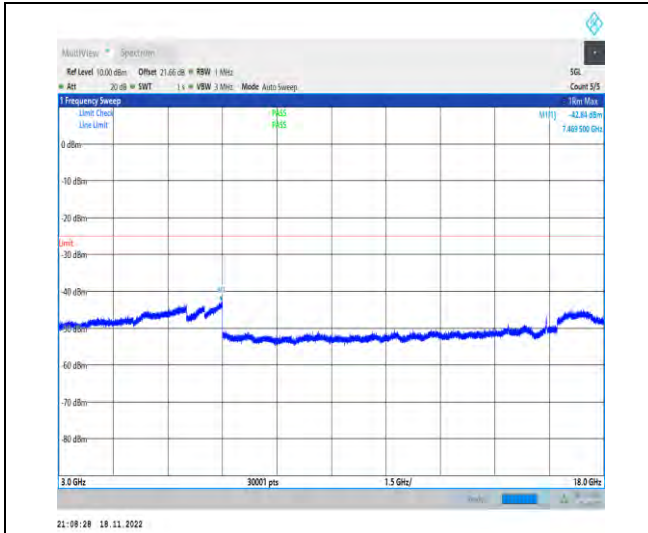


1-N41-PC2-30-100-H-1-DFT-QPSK-Edge\_1RB\_Left  
-1@0-1000-3000-Ant1-2428.60--41.81--25-PASS



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1-N41-PC2-30-100-H-1-DFT-QPSK-Edge\_1RB\_Left  
-1@0-3000-18000-Ant1-7469.50--42.84--25-PASS

1-N41-PC2-30-100-H-1-DFT-QPSK-Edge\_1RB\_Left-  
1@0-18000-26500-Ant1-22211.47--47.52--25-PASS



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### Field Strength of Spurious Radiation

Test Band = SA Band 41\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994	65.04	-44.94	32.59	-42.57	-25.00	17.57	198	1	Horizontal
2	7491	54.39	-41.63	36.49	-46.01	-25.00	21.01	256	29	Horizontal
3	9988.5	46.24	-37.16	38.50	-47.68	-25.00	22.68	322	217	Horizontal
4	12485	37.77	-35.26	39.09	-53.66	-25.00	28.66	168	29	Horizontal
5	15030.54	30.95	-34.09	39.16	-59.24	-25.00	34.24	214	139	Horizontal
6	17535.63	31.53	-31.86	40.74	-54.84	-25.00	29.84	287	238	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	4994	69.80	-44.94	32.59	-37.81	-25.00	12.81	213	133	Vertical
2	7491	61.06	-41.63	36.49	-39.34	-25.00	14.34	266	32	Vertical
3	9988.5	48.66	-37.16	38.50	-45.26	-25.00	20.26	189	114	Vertical
4	12485	48.82	-35.26	39.09	-42.61	-25.00	17.61	312	300	Vertical
5	14602.5	34.21	-34.67	39.60	-56.12	-25.00	31.12	168	1	Vertical
6	17813.5	33.35	-30.84	41.85	-50.90	-25.00	25.90	239	51	Vertical



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**Test Band = SA Band 41\_ TM1**
**Test Channel = Mid Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5088	63.17	-44.37	32.60	-43.86	-25.00	18.86	214	115	Horizontal
2	7632	51.08	-41.28	36.76	-48.70	-25.00	23.70	185	13	Horizontal
3	10175.5	40.45	-36.61	38.69	-52.73	-25.00	27.73	225	1	Horizontal
4	12720.5	42.23	-35.11	39.32	-48.82	-25.00	23.82	306	320	Horizontal
5	15236.5	33.29	-32.99	38.89	-56.06	-25.00	31.06	174	90	Horizontal
6	17921	33.16	-31.14	42.28	-50.95	-25.00	25.95	269	52	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	5088	70.60	-44.37	32.60	-36.43	-25.00	11.43	239	259	Vertical
2	7632	56.39	-41.28	36.76	-43.39	-25.00	18.39	188	49	Vertical
3	10176	46.10	-36.61	38.69	-47.08	-25.00	22.08	169	12	Vertical
4	12720	48.92	-35.11	39.32	-42.13	-25.00	17.13	304	320	Vertical
5	15288.48	30.94	-33.71	38.82	-59.21	-25.00	34.21	196	0	Vertical
6	17836.56	32.03	-30.90	41.95	-52.18	-25.00	27.18	229	2	Vertical



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**Test Band = SA Band 41 \_ TM1**
**Test Channel = High Channel**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5182	68.01	-44.18	32.60	-38.83	-25.00	13.83	213	110	Horizontal
2	7773	54.97	-40.81	37.05	-44.06	-25.00	19.06	185	2	Horizontal
3	10364	44.47	-36.60	38.90	-48.49	-25.00	23.49	266	235	Horizontal
4	12955	42.40	-34.89	39.56	-48.20	-25.00	23.20	189	26	Horizontal
5	15222.5	32.67	-32.79	38.91	-56.47	-25.00	31.47	306	31	Horizontal
6	17825	33.32	-30.87	41.90	-50.91	-25.00	25.91	224	357	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	5182	74.98	-44.18	32.60	-31.86	-25.00	6.86	185	52	Vertical
2	7773	59.23	-40.81	37.05	-39.80	-25.00	14.80	305	276	Vertical
3	10364.5	50.68	-36.60	38.90	-42.28	-25.00	17.28	178	320	Vertical
4	12955	51.28	-34.89	39.56	-39.32	-25.00	14.32	308	219	Vertical
5	15199.5	32.87	-32.49	38.94	-55.94	-25.00	30.94	215	178	Vertical
6	17820.5	32.89	-30.86	41.88	-51.35	-25.00	26.35	169	280	Vertical



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Test Band = UL MIMO SA Band 41\_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994	66.67	-44.94	32.59	-40.94	-25.00	15.94	296	215	Horizontal
2	7491	51.81	-41.63	36.49	-48.59	-25.00	23.59	265	276	Horizontal
3	9988	48.87	-37.16	38.50	-45.05	-25.00	20.05	241	45	Horizontal
4	12485.5	43.52	-35.26	39.09	-47.91	-25.00	22.91	142	215	Horizontal
5	15006.6	31.96	-34.00	39.19	-58.11	-25.00	33.11	263	276	Horizontal
6	17507.7	30.88	-31.88	40.63	-55.63	-25.00	30.63	221	278	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	4994	75.74	-44.94	32.59	-31.87	-25.00	6.87	196	278	Vertical
2	7491	60.03	-41.63	36.49	-40.37	-25.00	15.37	265	131	Vertical
3	9988.5	52.80	-37.16	38.50	-41.12	-25.00	16.12	241	257	Vertical
4	12485	50.19	-35.26	39.09	-41.24	-25.00	16.24	142	151	Vertical
5	15006.6	31.48	-34.00	39.19	-58.59	-25.00	33.59	236	319	Vertical
6	17507.7	31.00	-31.88	40.63	-55.51	-25.00	30.51	264	239	Vertical



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Test Band = UL MIMO SA Band 41\_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5088	71.74	-44.37	32.60	-35.29	-25.00	10.29	142	152	Horizontal
2	7632	54.03	-41.28	36.76	-45.75	-25.00	20.75	285	152	Horizontal
3	10176	50.03	-36.61	38.69	-43.15	-25.00	18.15	263	25	Horizontal
4	12720	46.97	-35.11	39.32	-44.08	-25.00	19.08	265	25	Horizontal
5	15288.48	30.89	-33.71	38.82	-59.26	-25.00	34.26	211	0	Horizontal
6	17836.56	31.86	-30.90	41.95	-52.35	-25.00	27.35	142	279	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	5088	76.99	-44.37	32.60	-30.04	-25.00	5.04	296	258	Vertical
2	7632	59.37	-41.28	36.76	-40.41	-25.00	15.41	254	113	Vertical
3	10176.5	54.78	-36.61	38.69	-38.40	-25.00	13.40	142	50	Vertical
4	12720	55.13	-35.11	39.32	-35.92	-25.00	10.92	211	132	Vertical
5	15288.48	30.06	-33.71	38.82	-60.09	-25.00	35.09	122	154	Vertical
6	17836.56	31.23	-30.90	41.95	-52.98	-25.00	27.98	201	71	Vertical



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Test Band = UL MIMO SA Band 41\_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5182	70.99	-44.18	32.60	-35.85	-25.00	10.85	142	3	Horizontal
2	7773	60.74	-40.81	37.05	-38.29	-25.00	13.29	285	175	Horizontal
3	10364	52.96	-36.60	38.90	-40.00	-25.00	15.00	263	31	Horizontal
4	12955	50.83	-34.89	39.56	-39.77	-25.00	14.77	255	156	Horizontal
5	17813	32.70	-30.84	41.85	-51.55	-25.00	26.55	142	259	Horizontal
6	15570.54	30.86	-33.96	38.46	-59.91	-25.00	34.91	223	308	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	5182	78.60	-44.18	32.60	-28.24	-25.00	3.24	196	96	Vertical
2	7773	62.10	-40.81	37.05	-36.93	-25.00	11.93	265	137	Vertical
3	10364.5	57.36	-36.60	38.90	-35.60	-25.00	10.60	241	75	Vertical
4	12955	52.18	-34.89	39.56	-38.42	-25.00	13.42	142	217	Vertical
5	17310.5	32.96	-31.61	39.84	-54.07	-25.00	29.07	221	132	Vertical
6	15570.54	30.81	-33.96	38.46	-59.96	-25.00	34.96	152	322	Vertical



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Test Band = DC\_71A\_n41A\_TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994	65.60	-44.94	32.59	-42.01	-25.00	17.01	196	124	Horizontal
2	7491.5	54.96	-41.63	36.49	-45.44	-25.00	20.44	265	167	Horizontal
3	9988	45.14	-37.16	38.50	-48.78	-25.00	23.78	241	278	Horizontal
4	12485	42.61	-35.26	39.09	-48.82	-25.00	23.82	142	211	Horizontal
5	15006.6	31.68	-34.00	39.19	-58.39	-25.00	33.39	263	0	Horizontal
6	17507.7	30.19	-31.88	40.63	-56.32	-25.00	31.32	285	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	4994	76.89	-44.94	32.59	-30.72	-25.00	5.72	296	254	Vertical
2	7491	60.20	-41.63	36.49	-40.20	-25.00	15.20	265	130	Vertical
3	9988.5	54.49	-37.16	38.50	-39.43	-25.00	14.43	241	254	Vertical
4	12485	48.55	-35.26	39.09	-42.88	-25.00	17.88	142	32	Vertical
5	15006.6	32.27	-34.00	39.19	-57.80	-25.00	32.80	263	5	Vertical
6	17507.7	30.26	-31.88	40.63	-56.25	-25.00	31.25	221	108	Vertical



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Test Band = DC\_71A\_n41A\_TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5088	72.00	-44.37	32.60	-35.03	-25.00	10.03	142	158	Horizontal
2	7632.5	56.13	-41.28	36.77	-43.65	-25.00	18.65	285	197	Horizontal
3	10176.5	48.36	-36.61	38.69	-44.82	-25.00	19.82	263	31	Horizontal
4	12720.5	46.38	-35.11	39.32	-44.67	-25.00	19.67	235	197	Horizontal
5	15288.48	30.48	-33.71	38.82	-59.67	-25.00	34.67	211	0	Horizontal
6	17836.56	32.44	-30.90	41.95	-51.77	-25.00	26.77	142	300	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	5088	78.50	-44.37	32.60	-28.53	-25.00	3.53	296	260	Vertical
2	7632	59.80	-41.28	36.76	-39.98	-25.00	14.98	265	237	Vertical
3	10176.5	54.89	-36.61	38.69	-38.29	-25.00	13.29	241	72	Vertical
4	12720	54.86	-35.11	39.32	-36.19	-25.00	11.19	142	75	Vertical
5	15288.48	31.39	-33.71	38.82	-58.76	-25.00	33.76	255	256	Vertical
6	17836.56	31.80	-30.90	41.95	-52.41	-25.00	27.41	263	174	Vertical



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Test Band = DC\_71A\_n41A\_TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5182.5	72.71	-44.17	32.60	-34.12	-25.00	9.12	142	132	Horizontal
2	7773.5	56.05	-40.81	37.05	-42.97	-25.00	17.97	296	213	Horizontal
3	10364	51.03	-36.60	38.90	-41.93	-25.00	16.93	265	47	Horizontal
4	12955.5	49.21	-34.89	39.56	-41.39	-25.00	16.39	285	13	Horizontal
5	17692.5	33.18	-31.03	41.37	-51.74	-25.00	26.74	241	47	Horizontal
6	15570.54	31.30	-33.96	38.46	-59.47	-25.00	34.47	142	66	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	5182	78.93	-44.18	32.60	-27.91	-25.00	2.91	296	74	Vertical
2	7773	61.38	-40.81	37.05	-37.65	-25.00	12.65	265	84	Vertical
3	10364	57.35	-36.60	38.90	-35.61	-25.00	10.61	241	31	Vertical
4	12955.5	55.57	-34.89	39.56	-35.03	-25.00	10.03	142	155	Vertical
5	17671	32.57	-31.21	41.28	-52.62	-25.00	27.62	266	126	Vertical
6	15570.54	30.57	-33.96	38.46	-60.20	-25.00	35.20	298	106	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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## Frequency Stability for SA

### Test Result

### Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-7.600000	-0.002931	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.200000	-0.000848	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-5.600000	-0.002160	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	-8.500000	-0.003278	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-1.900000	-0.000733	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	-2.900000	-0.001118	PASS



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Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-9.100000	-0.003509	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-4.800000	-0.001851	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-5.300000	-0.002044	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.500000	-0.001350	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-12.300000	-0.004744	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.500000	-0.002121	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-6.200000	-0.002391	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-7.500000	-0.002892	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-9.300000	-0.003587	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	-1.500000	-0.000578	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	0.100000	0.000039	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	-0.300000	-0.000116	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-1.700000	-0.000656	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	-4.300000	-0.001658	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	-0.500000	-0.000193	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	-2.300000	-0.000887	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	-5.800000	-0.002237	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	-0.200000	-0.000077	PASS

---End of Attachment---



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