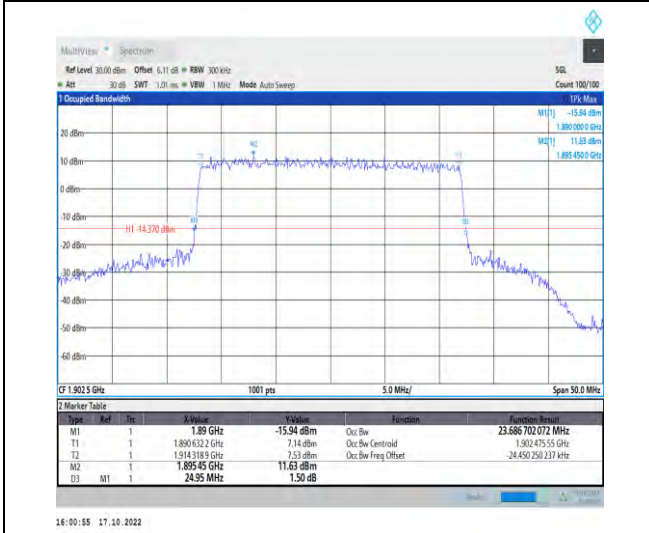




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-Ant1-23.661-25.100-≤25-PASS



1-N25-PC3-15-25-H-7-CP-16QAM-Outer\_Full-133@0-Ant1-23.759-24.850-≤25-PASS



1-N25-PC3-15-25-H-8-CP-64QAM-Outer\_Full-133@0-Ant1-23.687-24.950-≤25-PASS

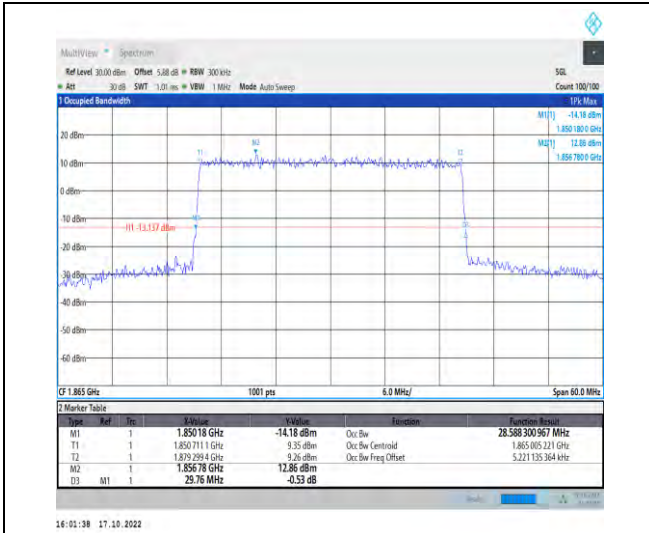


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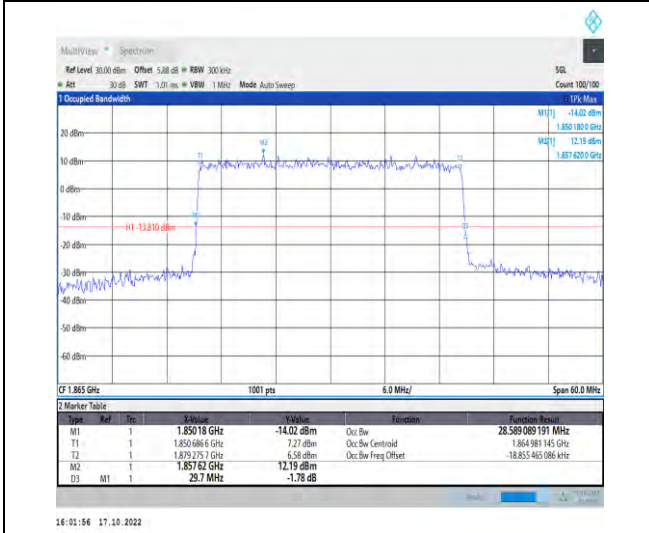
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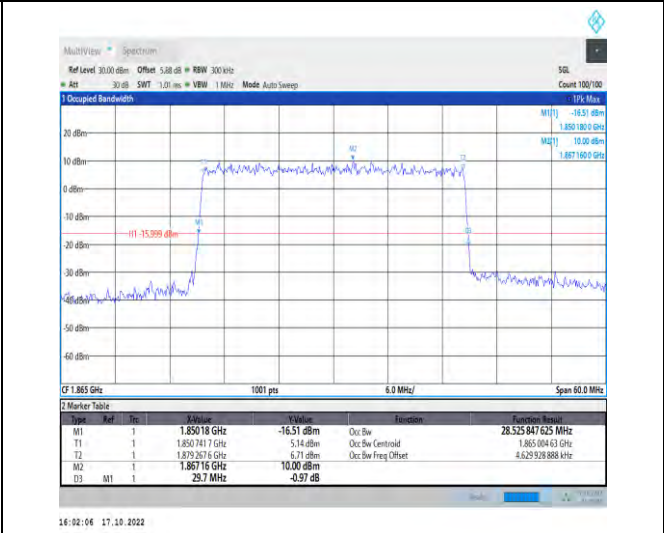
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0-Ant1-28.588-29.760-≤30-PASS



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0-Ant1-28.572-29.640-≤30-PASS



1-N25-PC3-15-30-L-4-DFT-64QAM-Outer\_Full-160  
@0-Ant1-28.589-29.700-≤30-PASS



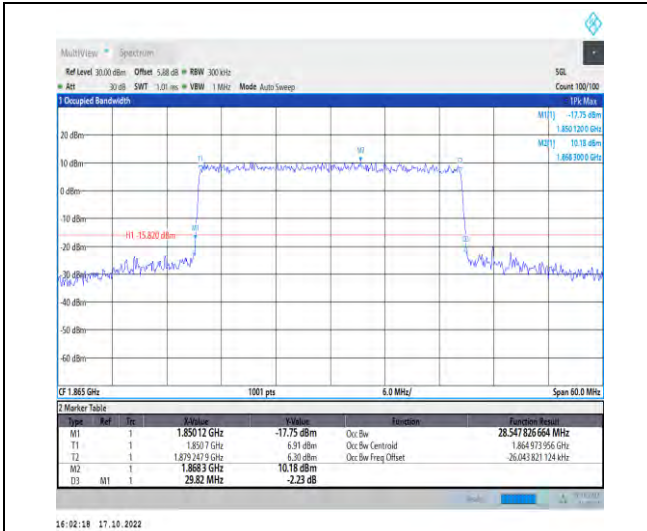
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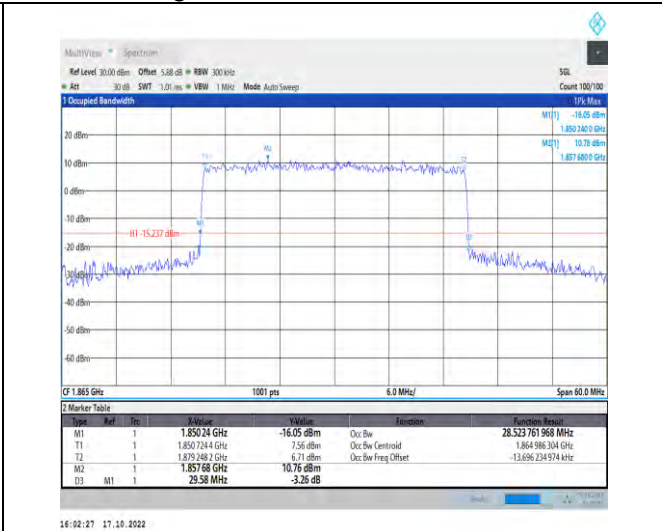
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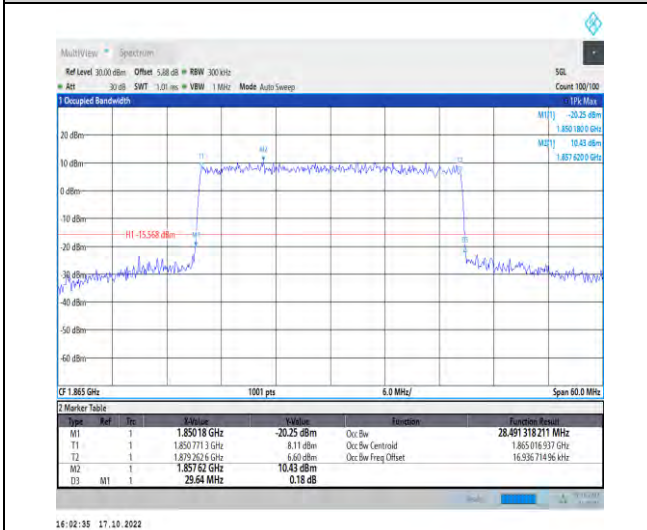




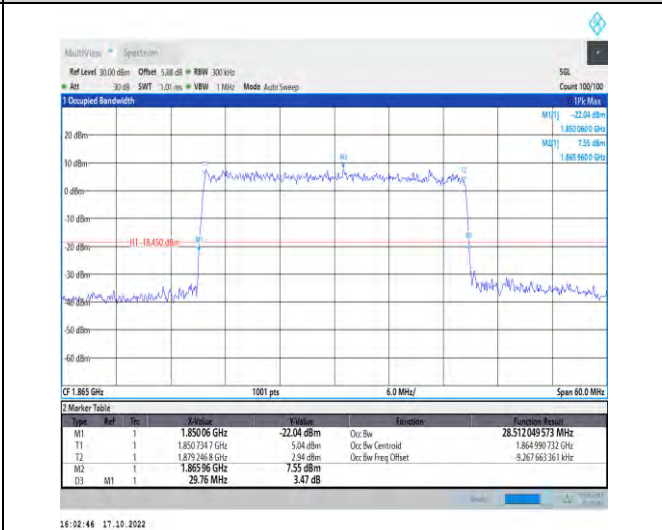
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1-N25-PC3-15-30-L-7-CP-16QAM-Outer\_Full-160@0  
-Ant1-28.524-29.580-≤30-PASS



1-N25-PC3-15-30-L-8-CP-64QAM-Outer\_Full-160@0  
0-Ant1-28.491-29.640-≤30-PASS



1-N25-PC3-15-30-L-9-CP-256QAM-Outer\_Full-160@0  
0-Ant1-28.512-29.760-≤30-PASS



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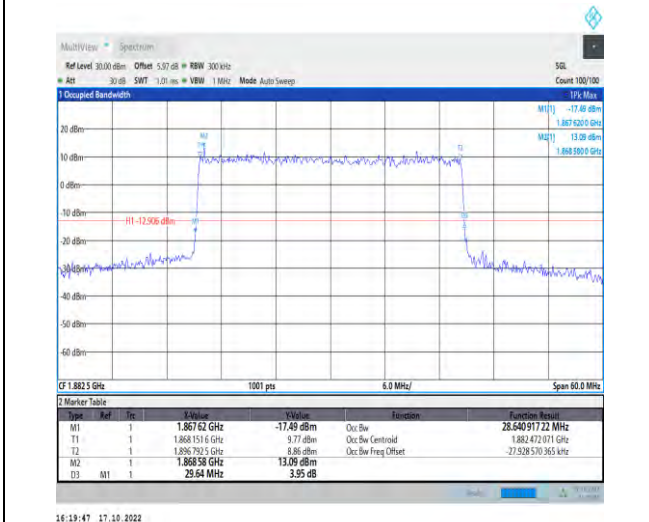
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1-N25-PC3-15-30-M-1-DFT-QPSK-Outer\_Full-160@  
0-Ant1-28.618-29.820-≤30-PASS



1-N25-PC3-15-30-M-3-DFT-16QAM-Outer\_Full-160  
@0-Ant1-28.596-29.700-≤30-PASS



1-N25-PC3-15-30-M-4-DFT-64QAM-Outer\_Full-160  
@0-Ant1-28.641-29.640-≤30-PASS



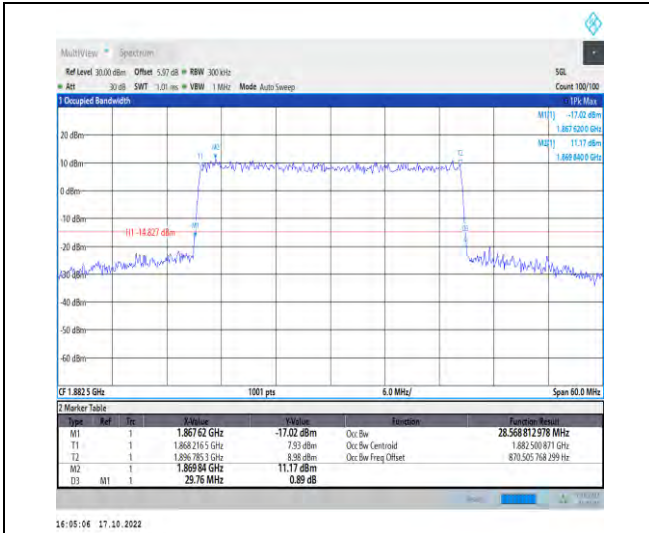
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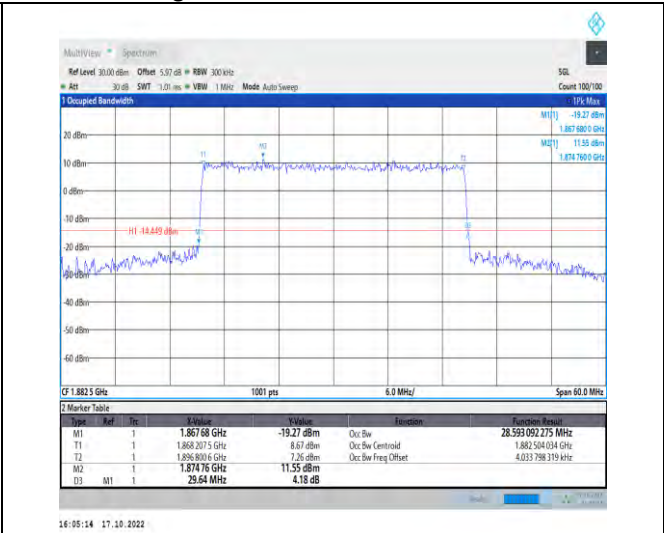
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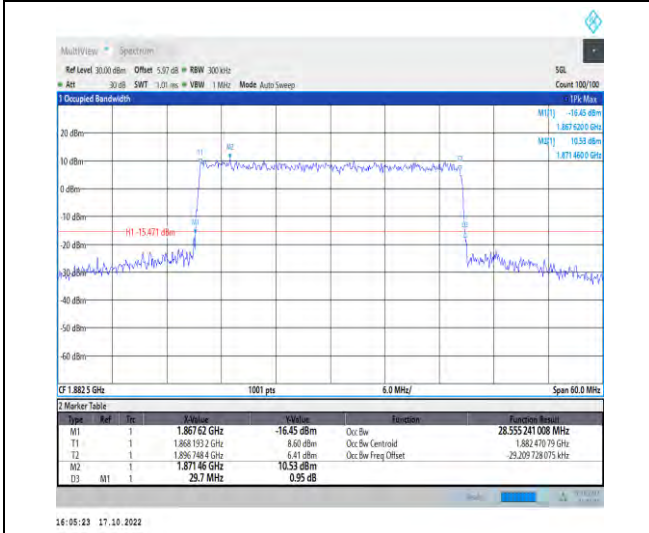




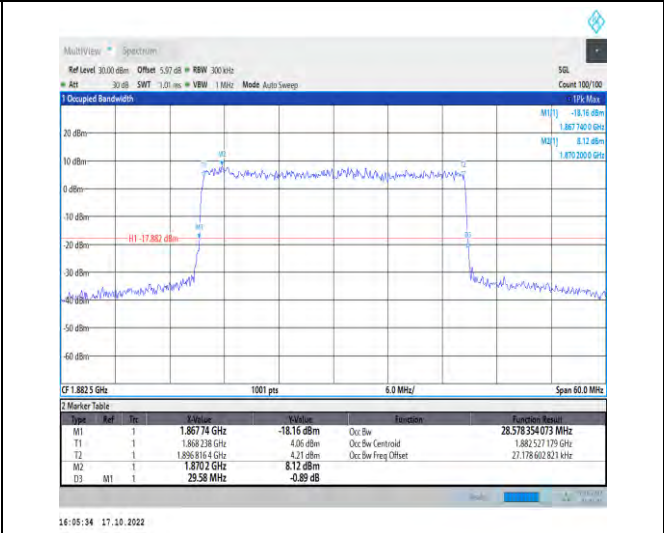
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-Ant1-28.569-29.760-≤30-PASS



1-N25-PC3-15-30-M-7-CP-16QAM-Outer\_Full-160@0-Ant1-28.593-29.640-≤30-PASS



1-N25-PC3-15-30-M-8-CP-64QAM-Outer\_Full-160@0-Ant1-28.555-29.700-≤30-PASS



1-N25-PC3-15-30-M-9-CP-256QAM-Outer\_Full-160@0-Ant1-28.578-29.580-≤30-PASS



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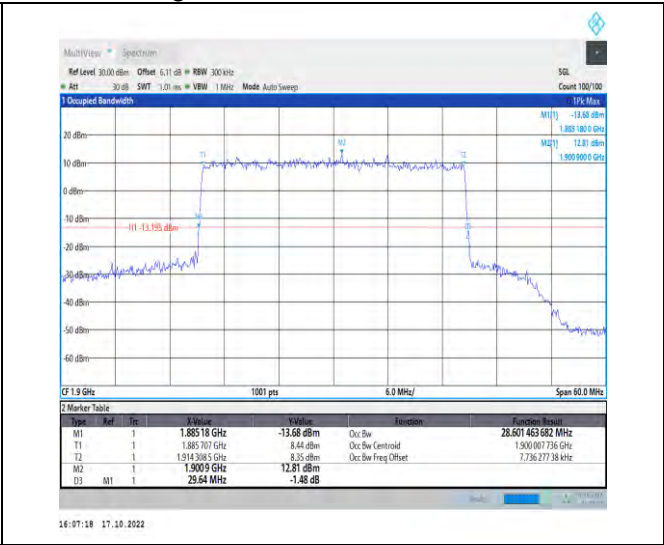
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1-N25-PC3-15-30-H-1-DFT-QPSK-Outer\_Full-160@  
0-Ant1-28.583-29.820-≤30-PASS



1-N25-PC3-15-30-H-3-DFT-16QAM-Outer\_Full-160  
@0-Ant1-28.601-29.640-≤30-PASS



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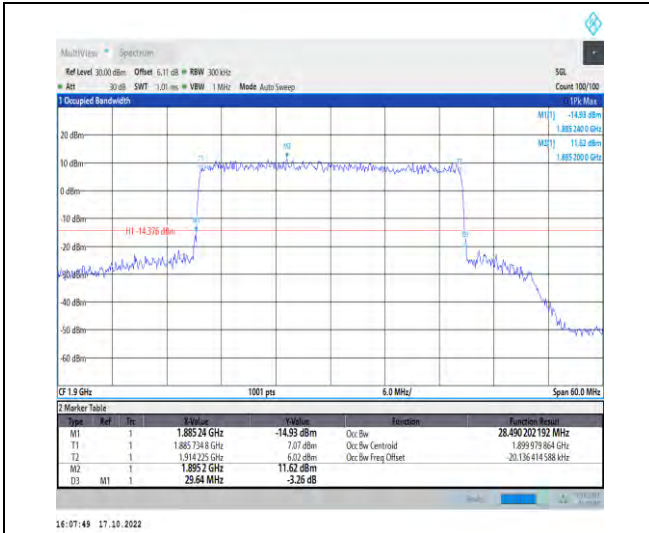
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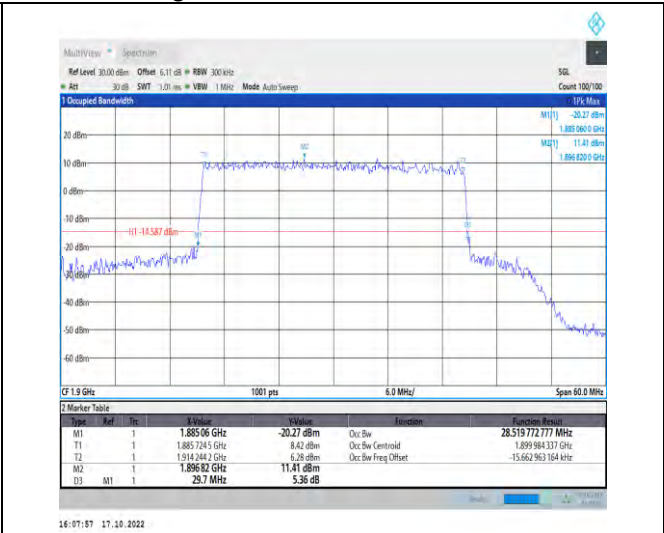
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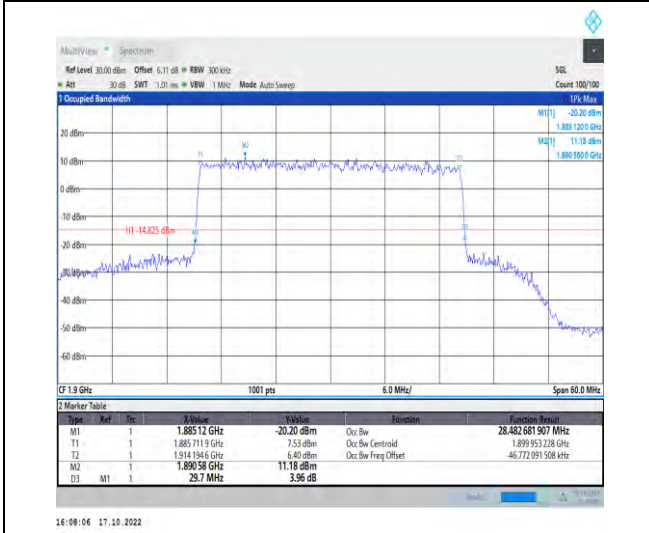




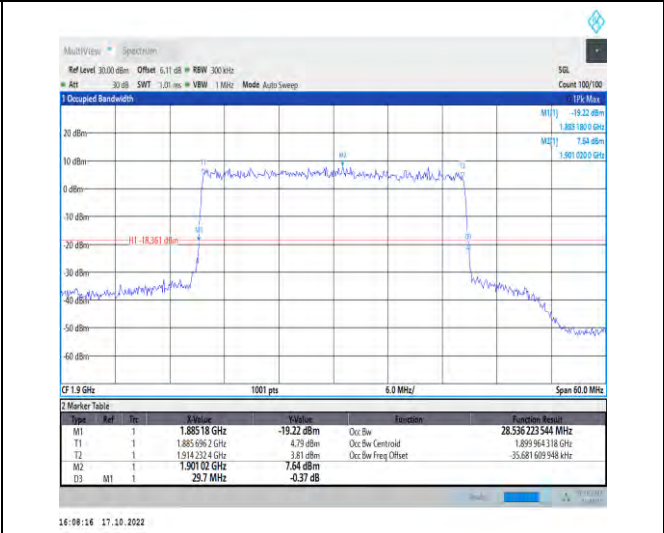
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1-N25-PC3-15-30-H-8-CP-64QAM-Outer\_Full-160@0-Ant1-28.483-29.700-≤30-PASS



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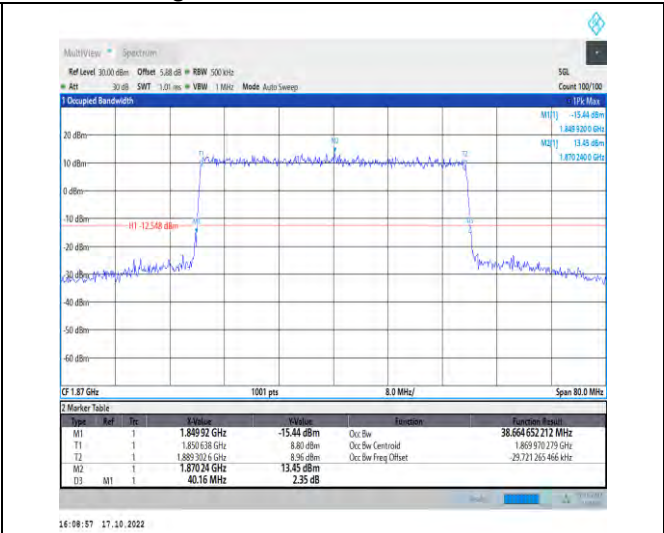


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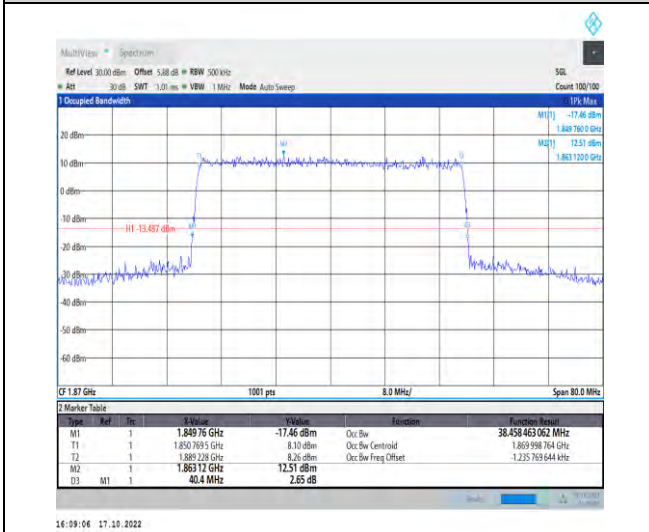
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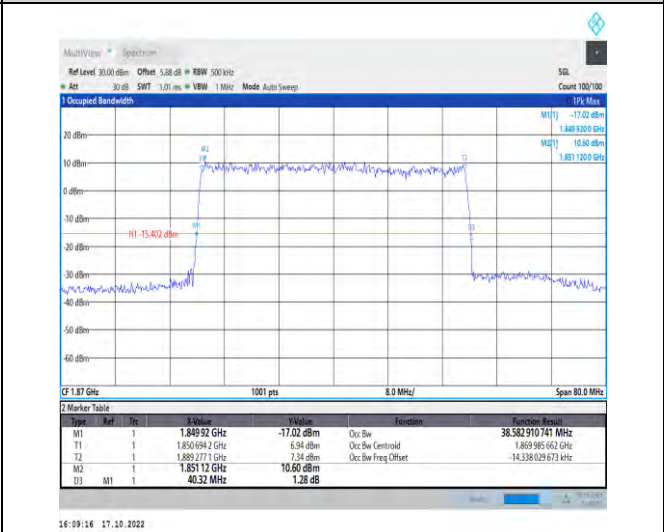
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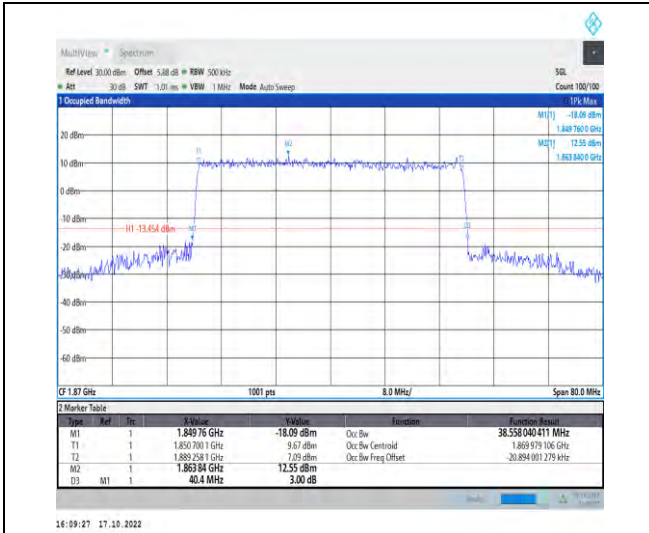
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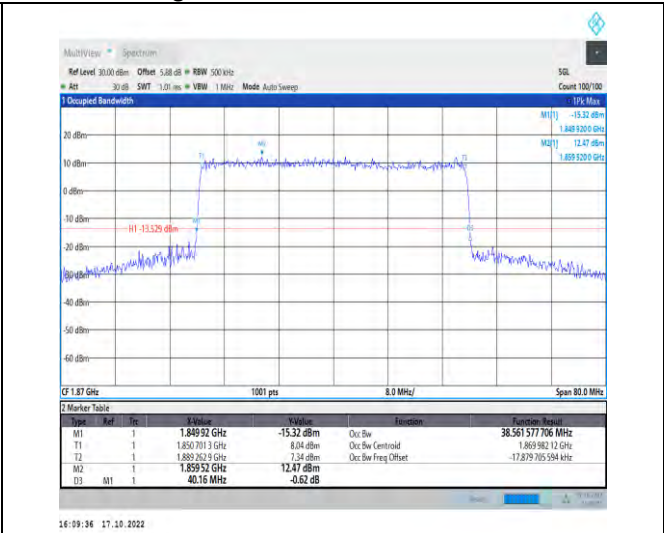
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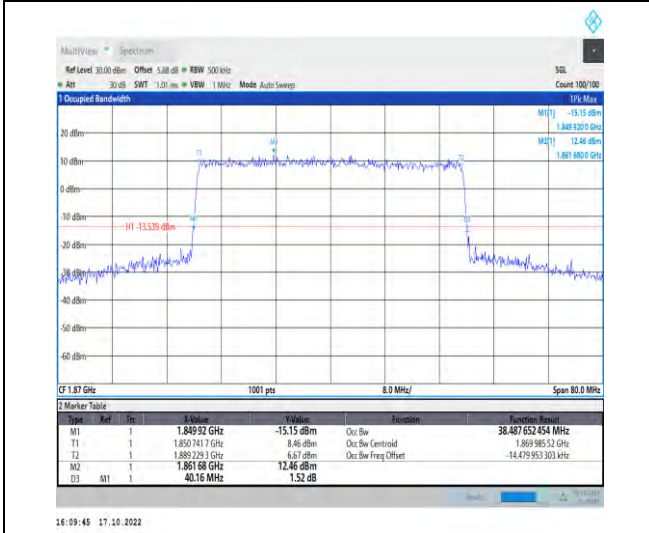




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-Ant1-38.562-40.160-≤40-PASS



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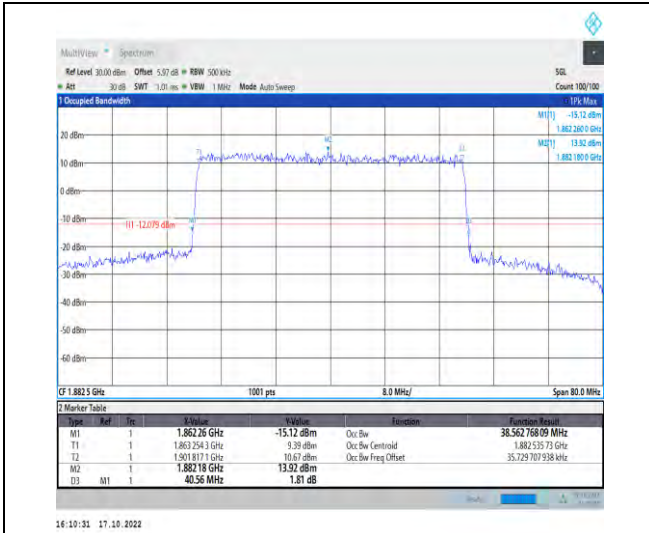


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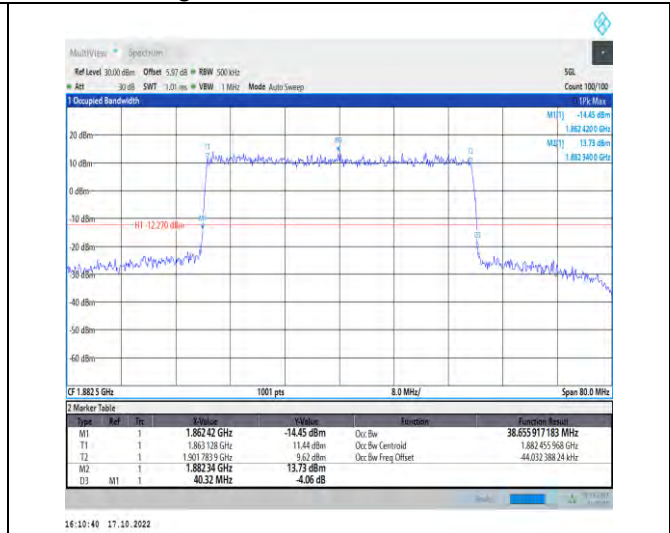


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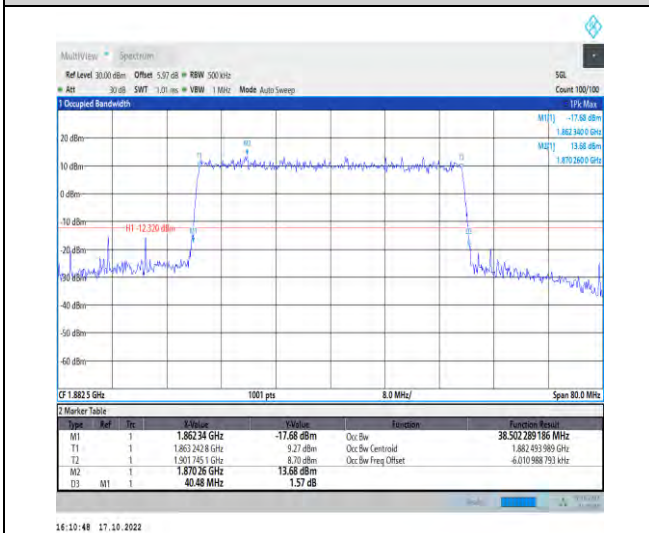
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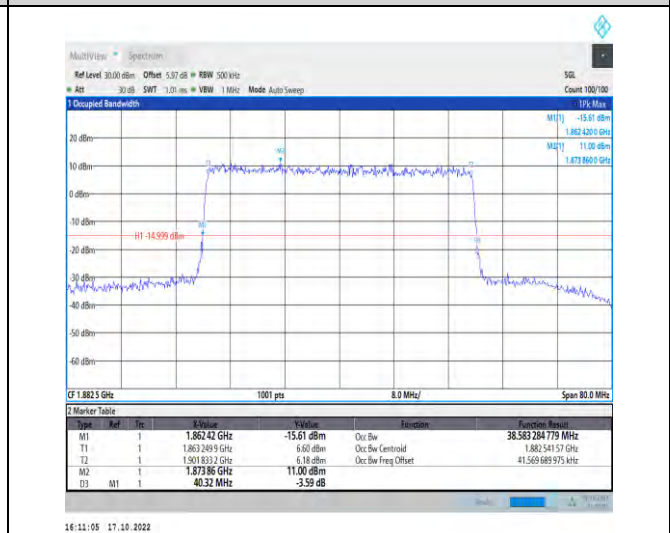
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0-Ant1-38.563-40.560-≤40-PASS



1-N25-PC3-15-40-M-3-DFT-16QAM-Outer\_Full-216  
@0-Ant1-38.656-40.320-≤40-PASS



1-N25-PC3-15-40-M-4-DFT-64QAM-Outer\_Full-216  
@0-Ant1-38.502-40.480-≤40-PASS



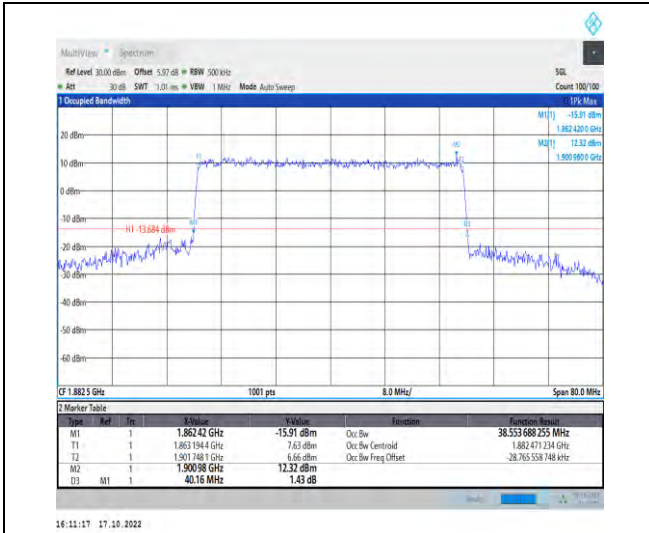
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@0-Ant1-38.583-40.320-≤40-PASS



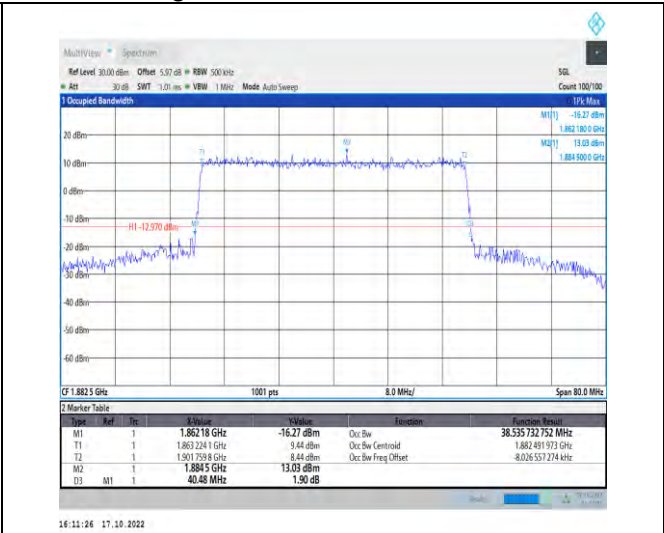
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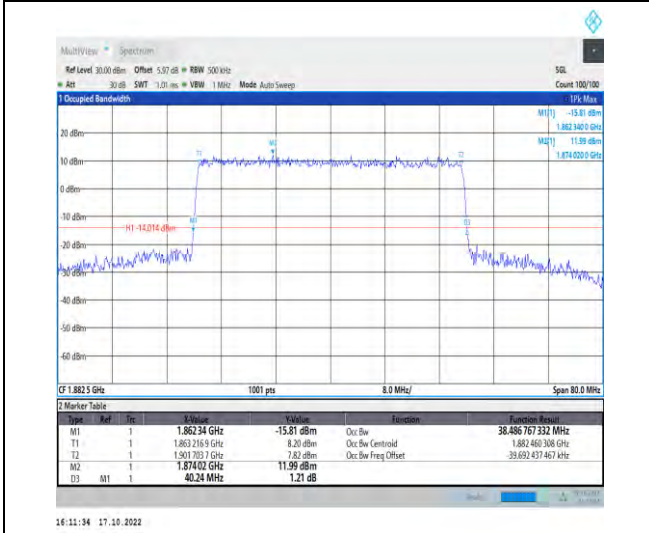




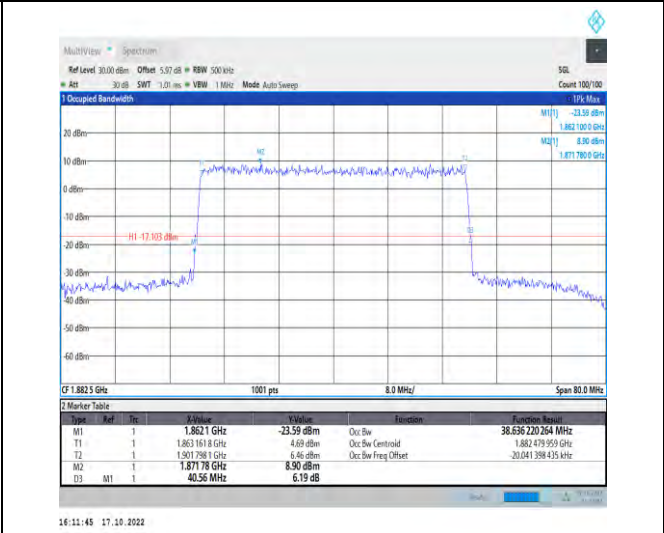
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-Ant1-38.554-40.160-≤40-PASS



1-N25-PC3-15-40-M-7-CP-16QAM-Outer\_Full-216@0-Ant1-38.536-40.480-≤40-PASS



1-N25-PC3-15-40-M-8-CP-64QAM-Outer\_Full-216@0-Ant1-38.487-40.240-≤40-PASS



1-N25-PC3-15-40-M-9-CP-256QAM-Outer\_Full-216@0-Ant1-38.636-40.560-≤40-PASS



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1-N25-PC3-15-40-H-1-DFT-QPSK-Outer\_Full-216@  
0-Ant1-38.6-40.320-≤40-PASS



1-N25-PC3-15-40-H-3-DFT-16QAM-Outer\_Full-216  
@0-Ant1-38.59-40.480-≤40-PASS



1-N25-PC3-15-40-H-4-DFT-64QAM-Outer\_Full-216  
@0-Ant1-38.482-40.320-≤40-PASS



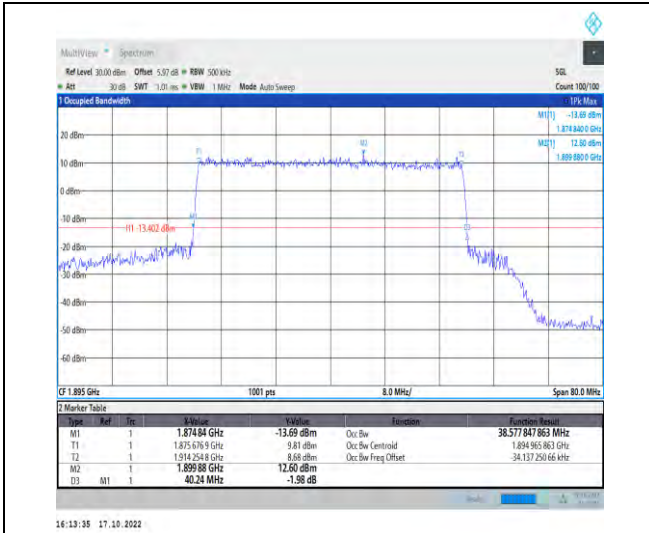
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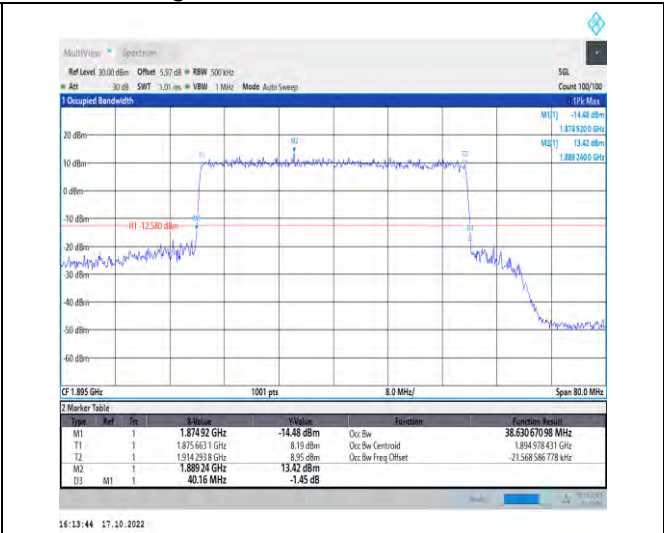
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1-N25-PC3-15-40-H-6-CP-QPSK-Outer\_Full-216@0  
-Ant1-38.578-40.240-≤40-PASS



1-N25-PC3-15-40-H-7-CP-16QAM-Outer\_Full-216@0-Ant1-38.631-40.160-≤40-PASS



1-N25-PC3-15-40-H-8-CP-64QAM-Outer\_Full-216@0-Ant1-38.5-40.160-≤40-PASS



1-N25-PC3-15-40-H-9-CP-256QAM-Outer\_Full-216@0-Ant1-38.643-40.160-≤40-PASS

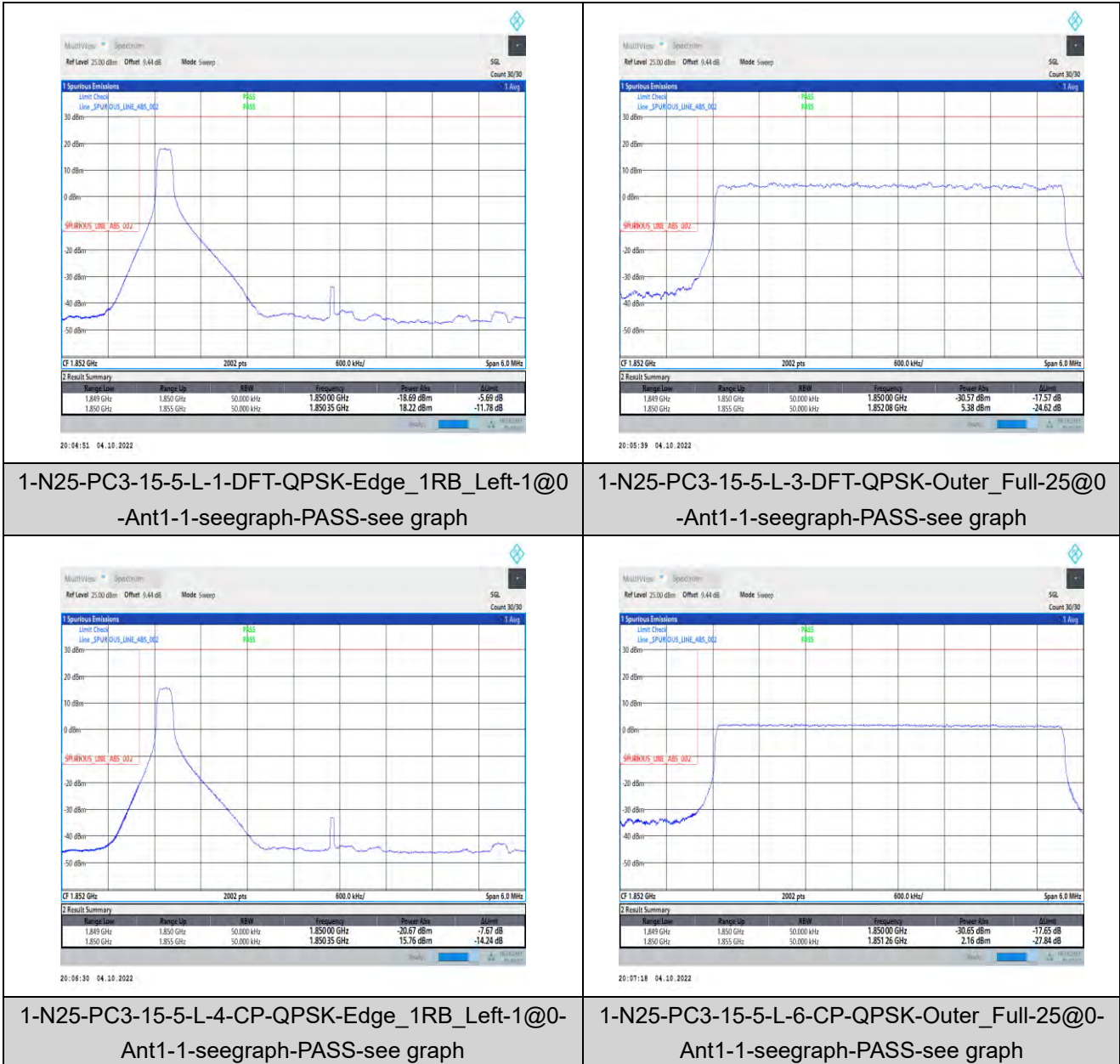


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## Band Edge for SA

### Test Graphs



1-N25-PC3-15-5-L-1-DFT-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-5-L-3-DFT-QPSK-Outer\_Full-25@0-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-5-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

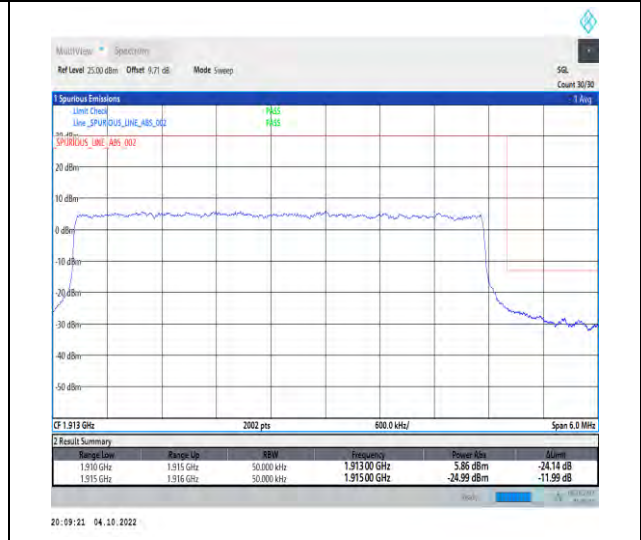
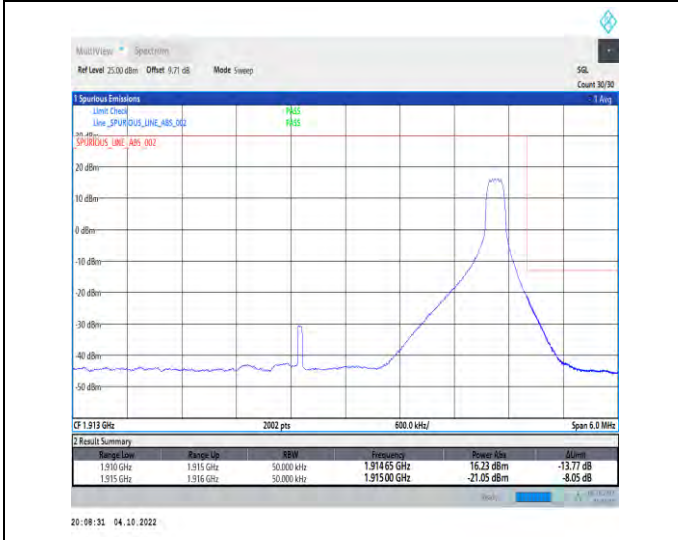
1-N25-PC3-15-5-L-6-CP-QPSK-Outer\_Full-25@0-Ant1-1-seegraph-PASS-see graph



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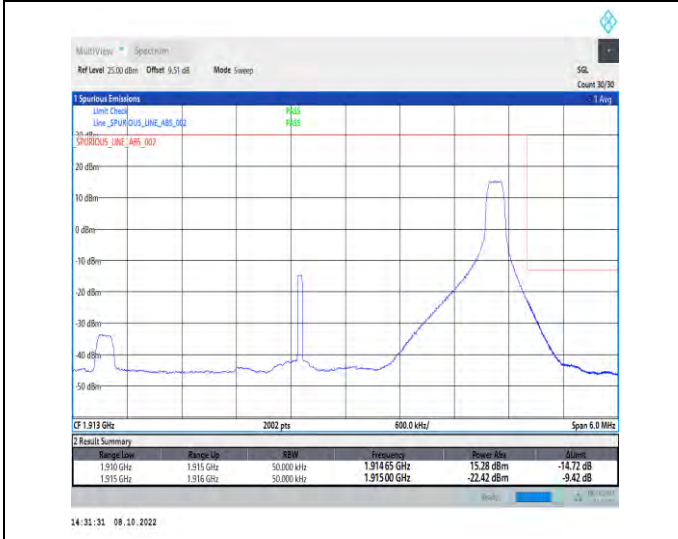
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1-N25-PC3-15-5-H-2-DFT-QPSK-Edge\_1RB\_Right-1 @24-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-5-H-3-DFT-QPSK-Outer\_Full-25@0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-5-H-5-CP-QPSK-Edge\_1RB\_Right-1@24-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-5-H-6-CP-QPSK-Outer\_Full-25@0-Ant1-1-seegraph-PASS-see graph



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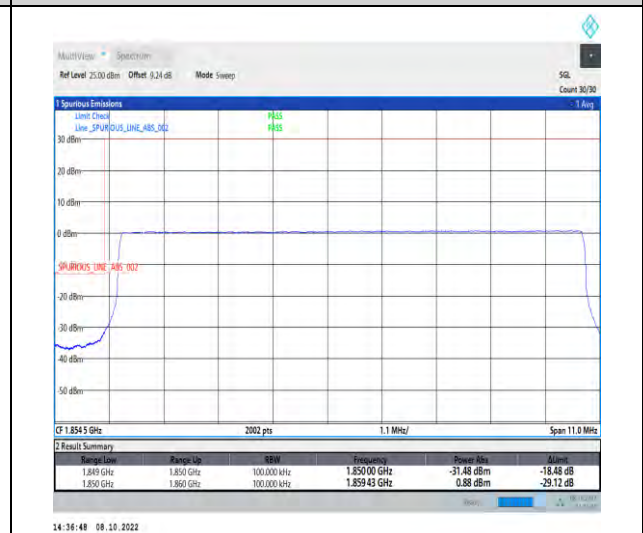
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1-N25-PC3-15-10-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph



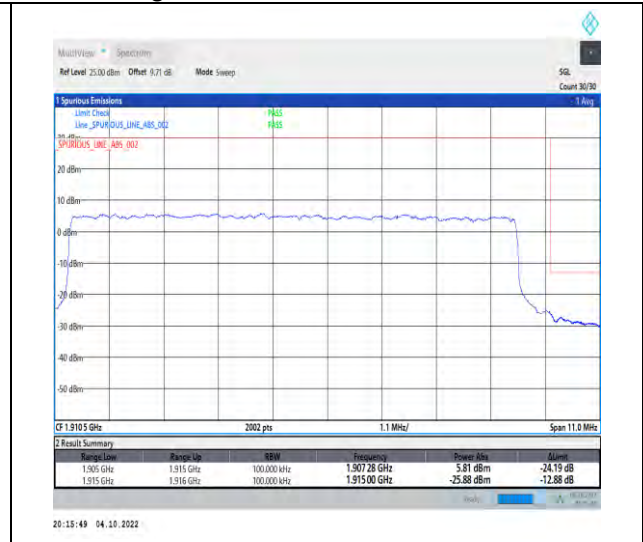
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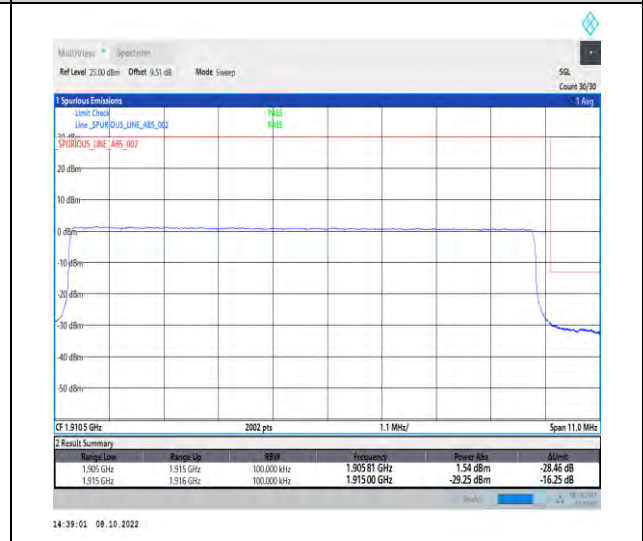
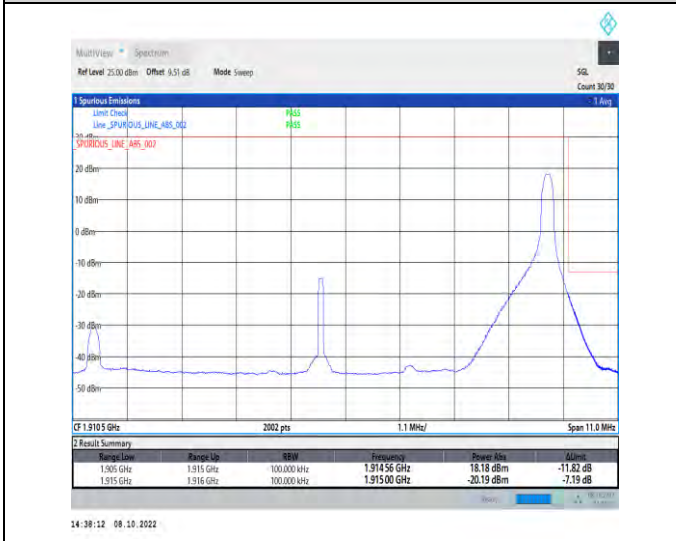
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1-N25-PC3-15-10-H-2-DFT-QPSK-Edge\_1RB\_Right-1 @51-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-10-H-3-DFT-QPSK-Outer\_Full-50 @0-Ant1-1-seegraph-PASS-see graph



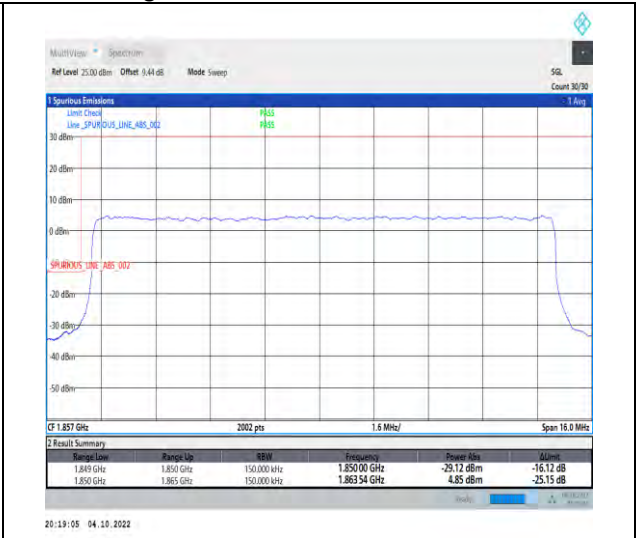
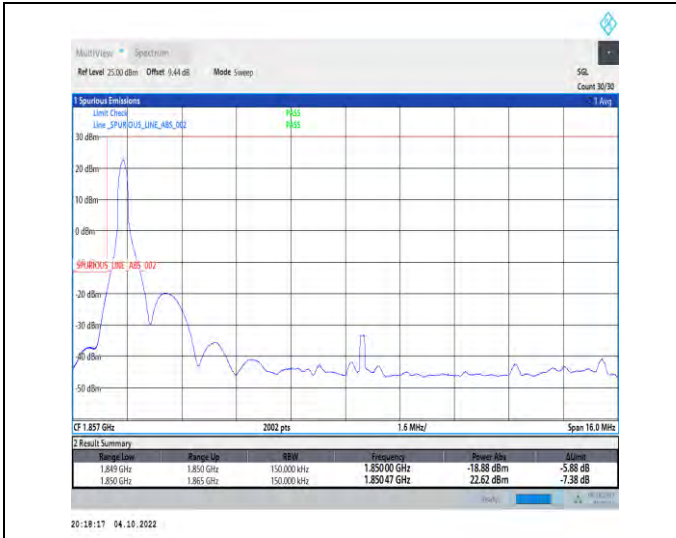
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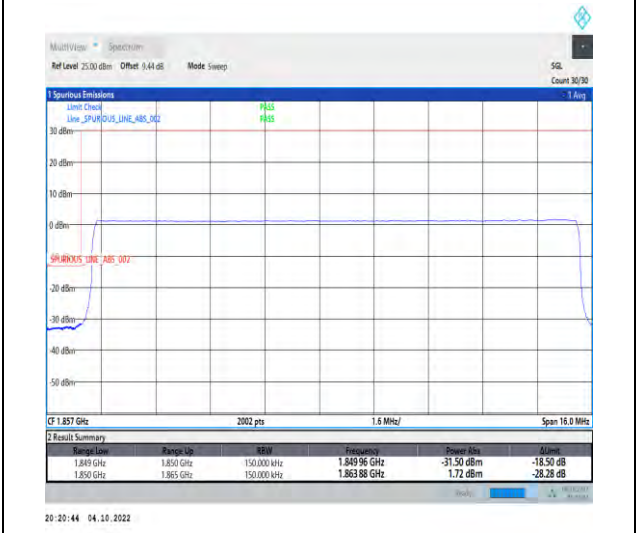
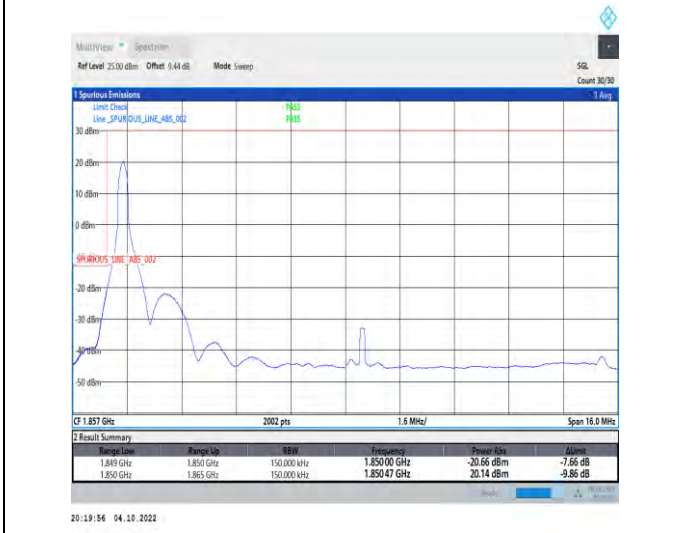
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1-N25-PC3-15-15-L-1-DFT-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-15-L-3-DFT-QPSK-Outer\_Full-75@0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-15-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

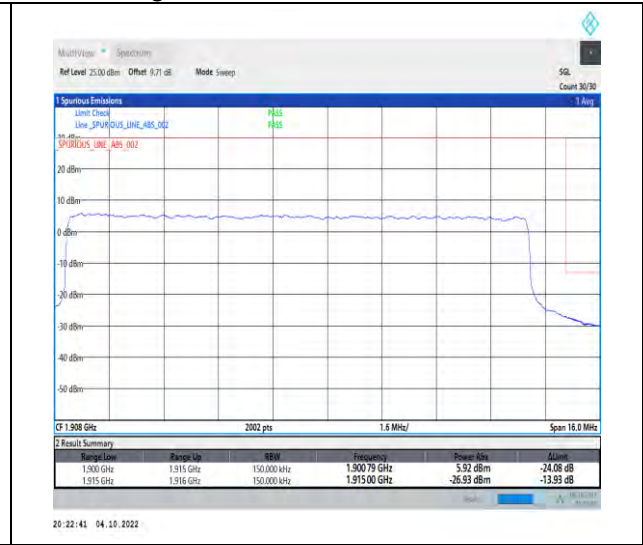
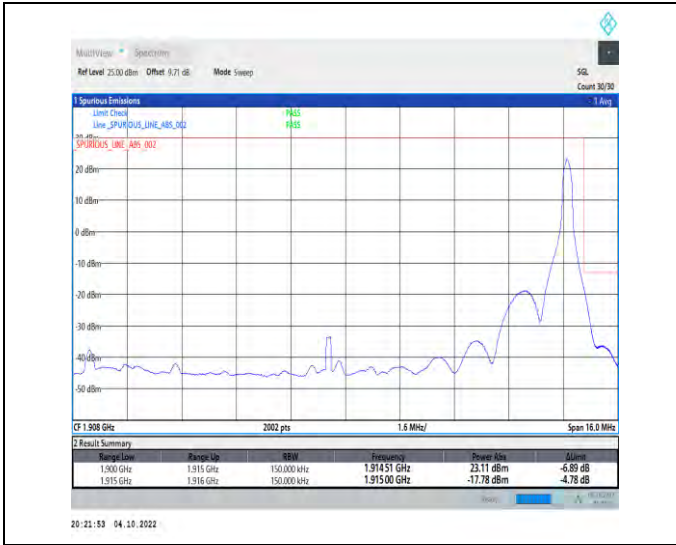
1-N25-PC3-15-15-L-6-CP-QPSK-Outer\_Full-79@0-Ant1-1-seegraph-PASS-see graph



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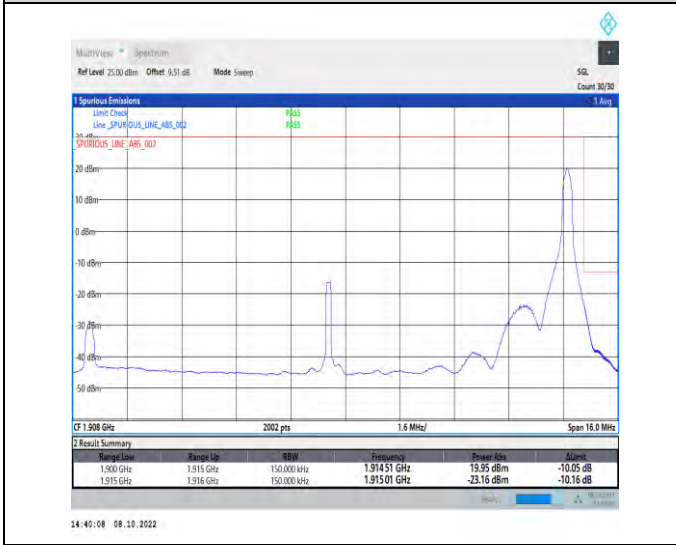
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1-N25-PC3-15-15-H-2-DFT-QPSK-Edge\_1RB\_Right-1 @78-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-15-H-3-DFT-QPSK-Outer\_Full-75 @0-Ant1-1-seegraph-PASS-see graph



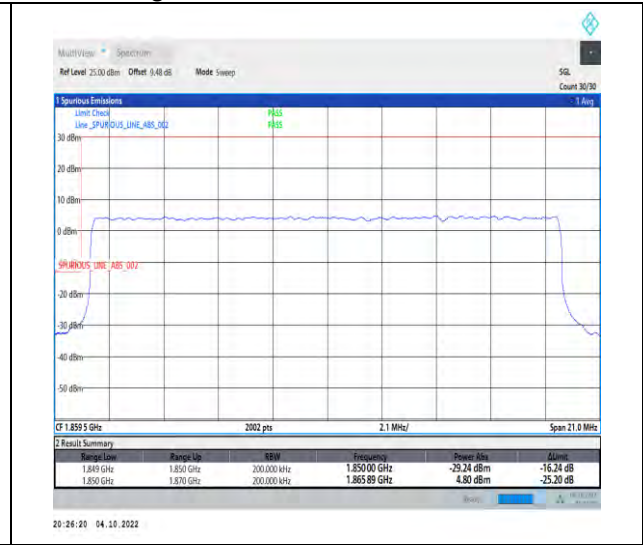
1-N25-PC3-15-15-H-5-CP-QPSK-Edge\_1RB\_Right-1 @78-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-15-H-6-CP-QPSK-Outer\_Full-79@0-Ant1-1-seegraph-PASS-see graph



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1-N25-PC3-15-20-L-1-DFT-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-20-L-3-DFT-QPSK-Outer\_Full-100@0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-20-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

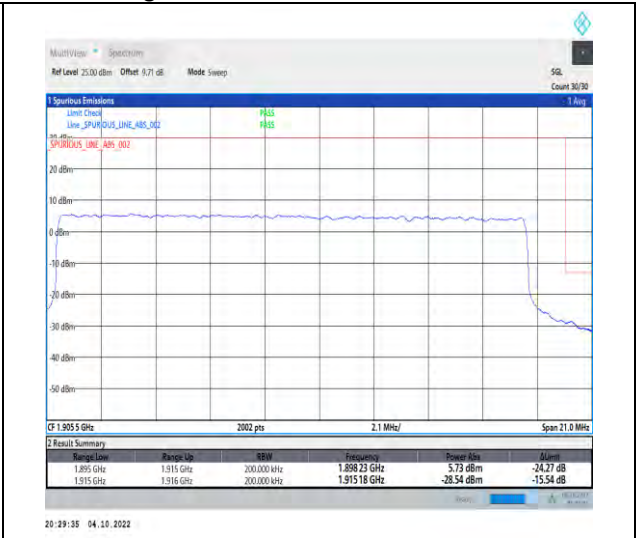
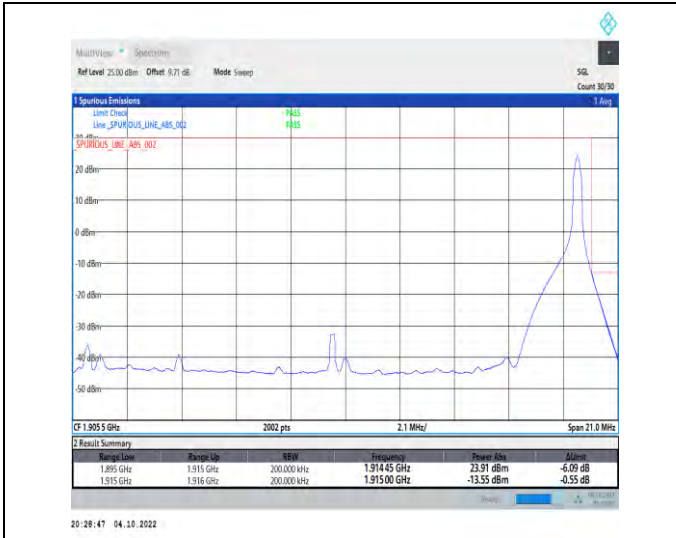
1-N25-PC3-15-20-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-1-seegraph-PASS-see graph



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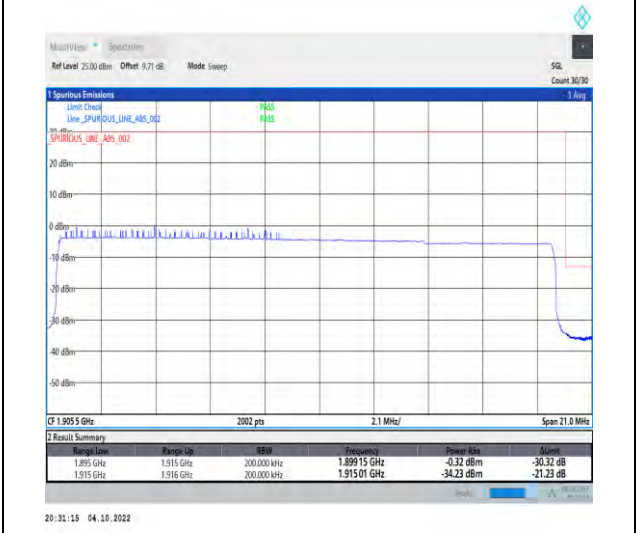
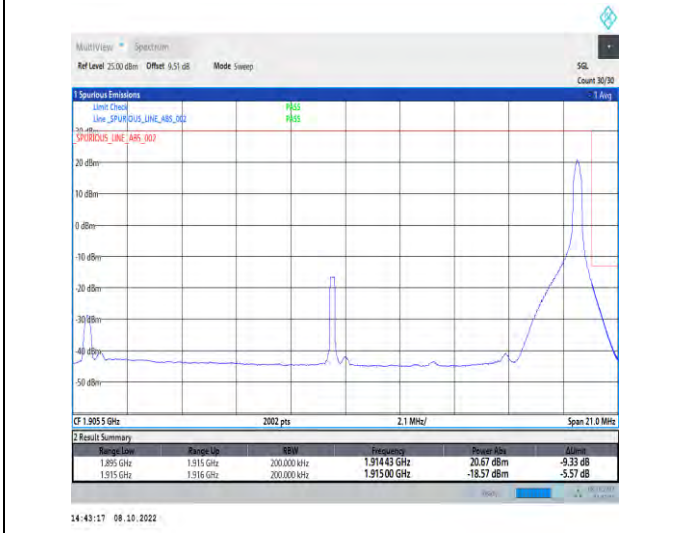
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1-N25-PC3-15-20-H-2-DFT-QPSK-Edge\_1RB\_Right-1 @105-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-20-H-3-DFT-QPSK-Outer\_Full-100 @0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-20-H-5-CP-QPSK-Edge\_1RB\_Right-1 @105-Ant1-1-seegraph-PASS-see graph

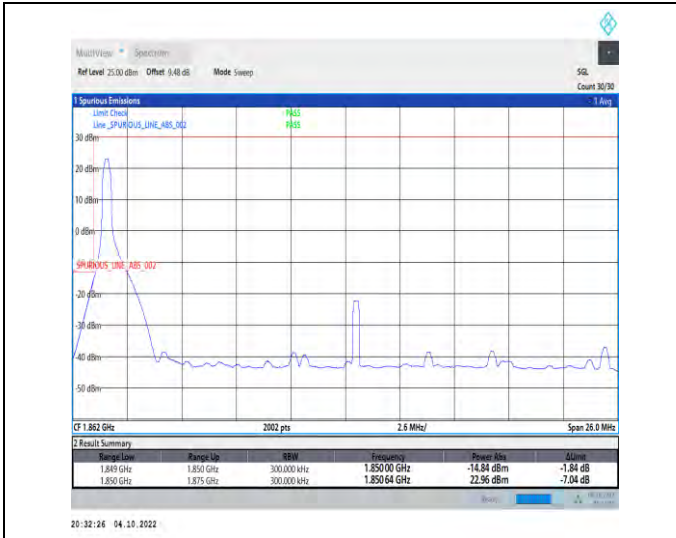
1-N25-PC3-15-20-H-6-CP-QPSK-Outer\_Full-106 @0-Ant1-1-seegraph-PASS-see graph



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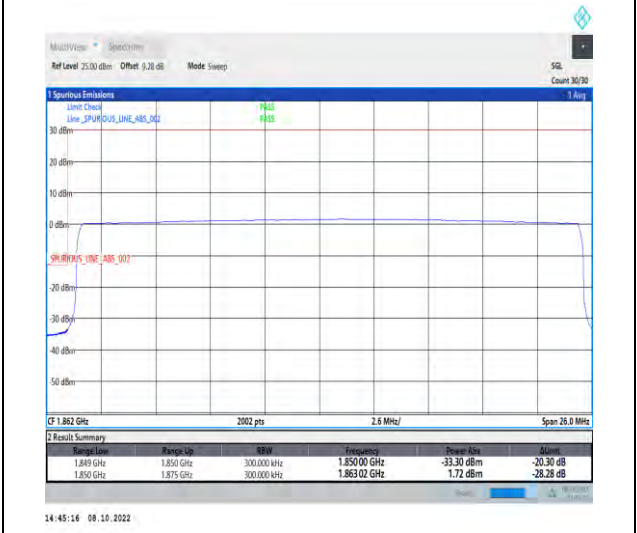
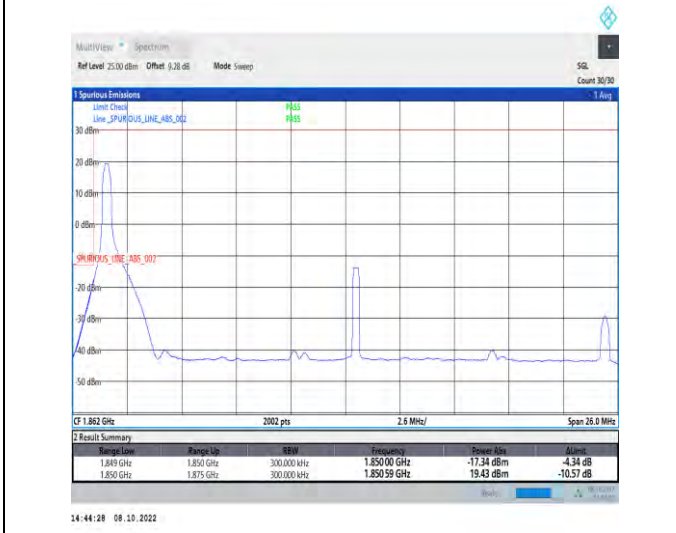
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1-N25-PC3-15-25-L-1-DFT-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-25-L-3-DFT-QPSK-Outer\_Full-128@0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-25-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

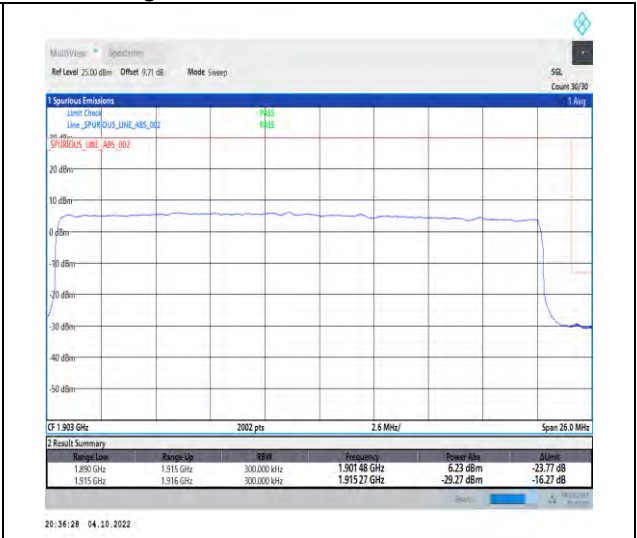
1-N25-PC3-15-25-L-6-CP-QPSK-Outer\_Full-133@0-Ant1-1-seegraph-PASS-see graph



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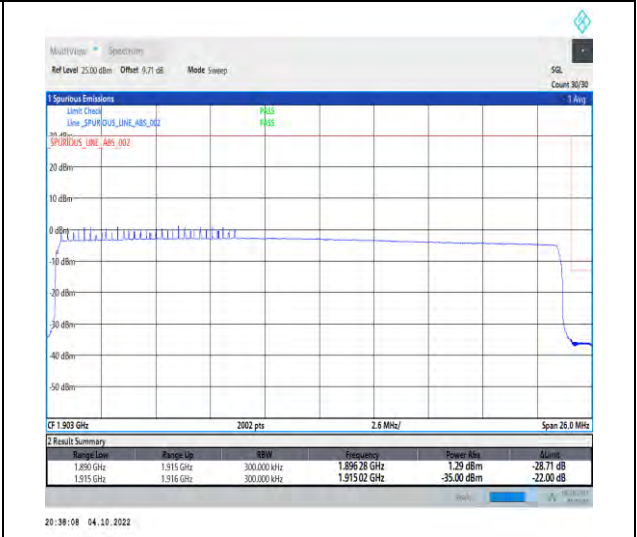
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1-N25-PC3-15-25-H-2-DFT-QPSK-Edge\_1RB\_Right-1 @132-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-25-H-3-DFT-QPSK-Outer\_Full-128 @0-Ant1-1-seegraph-PASS-see graph



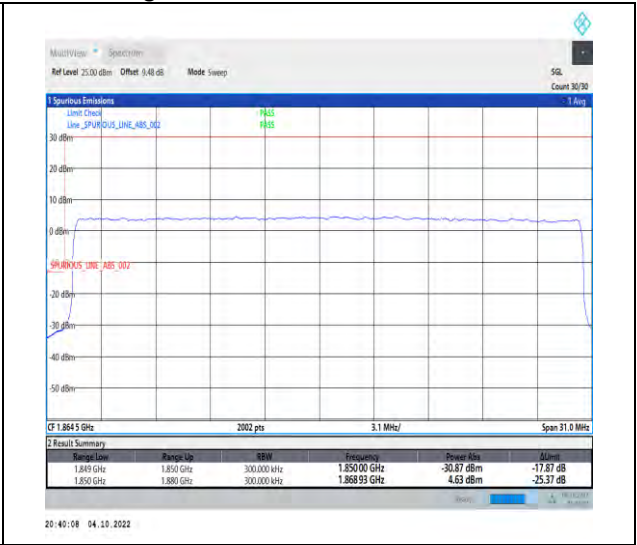
1-N25-PC3-15-25-H-5-CP-QPSK-Edge\_1RB\_Right-1 @132-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-25-H-6-CP-QPSK-Outer\_Full-133 @0-Ant1-1-seegraph-PASS-see graph



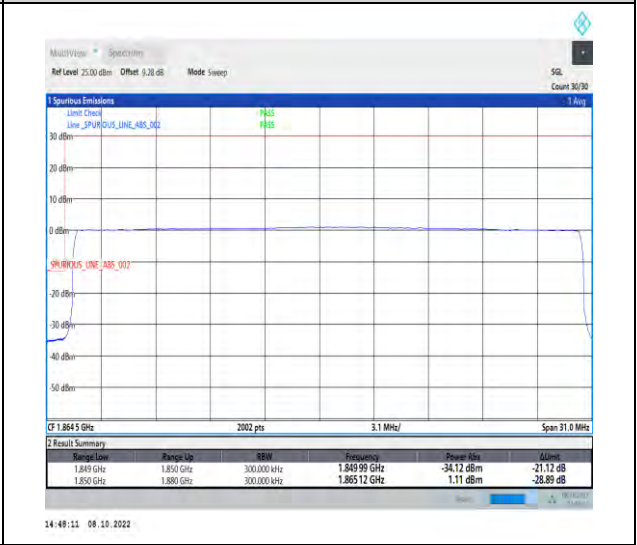
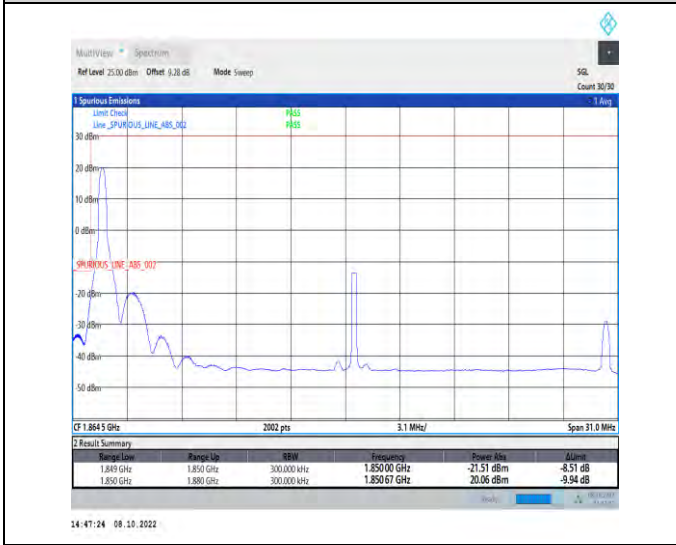
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1-N25-PC3-15-30-L-1-DFT-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-30-L-3-DFT-QPSK-Outer\_Full-160@0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-30-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

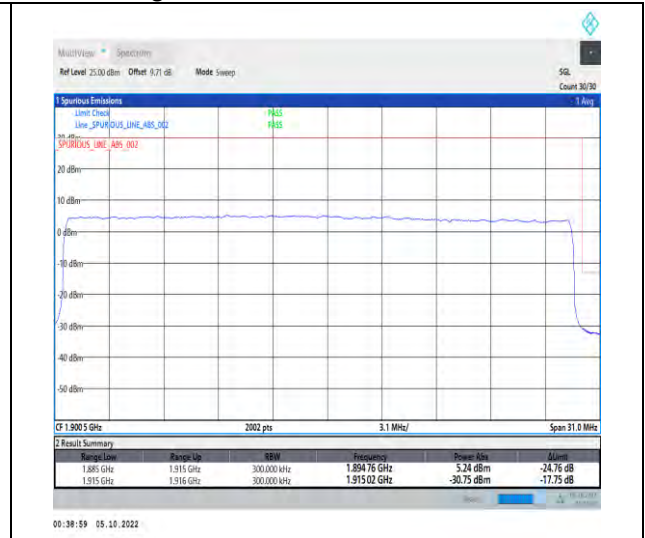
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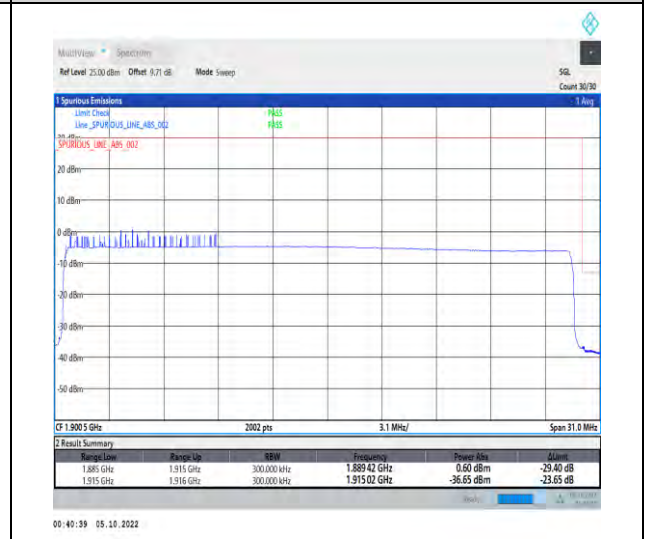
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1-N25-PC3-15-30-H-2-DFT-QPSK-Edge\_1RB\_Right-1  
@159-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-30-H-3-DFT-QPSK-Outer\_Full-160  
@0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-30-H-5-CP-QPSK-Edge\_1RB\_Right-1  
@159-Ant1-1-seegraph-PASS-see graph

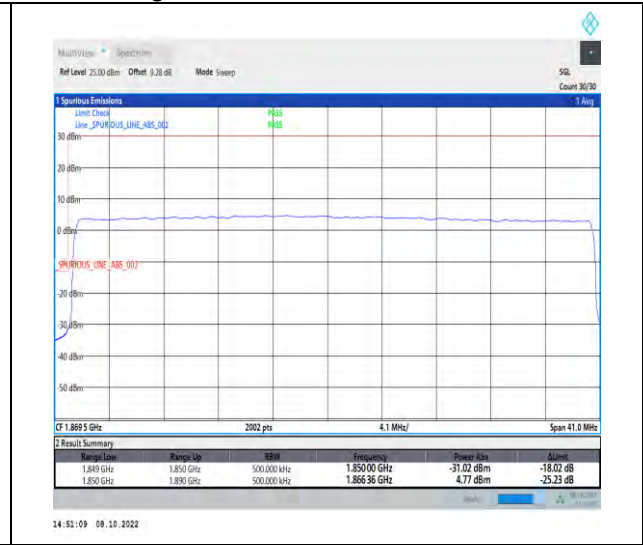
1-N25-PC3-15-30-H-6-CP-QPSK-Outer\_Full-160  
@0-Ant1-1-seegraph-PASS-see graph



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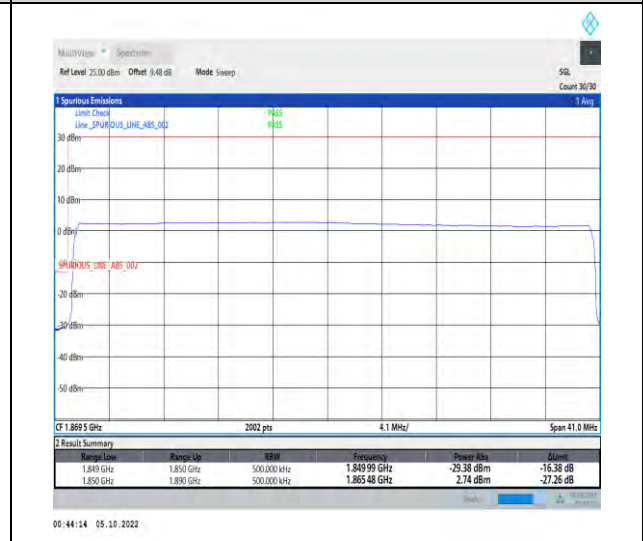
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1-N25-PC3-15-40-L-1-DFT-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-40-L-3-DFT-QPSK-Outer\_Full-216@0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-40-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1-seegraph-PASS-see graph

1-N25-PC3-15-40-L-6-CP-QPSK-Outer\_Full-216@0-Ant1-1-seegraph-PASS-see graph



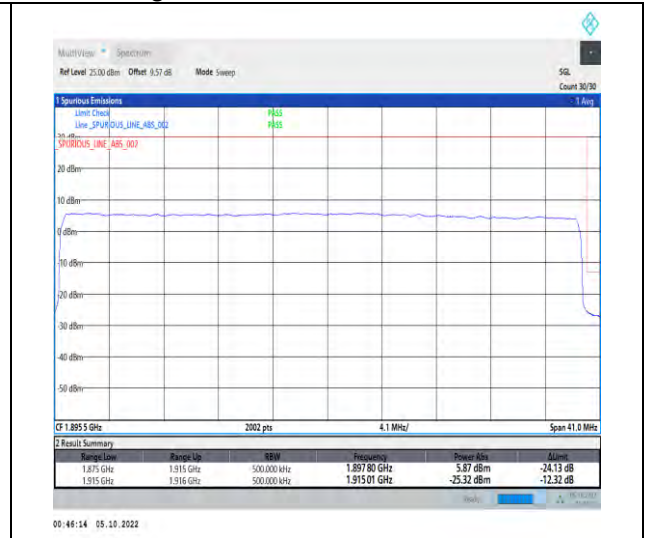
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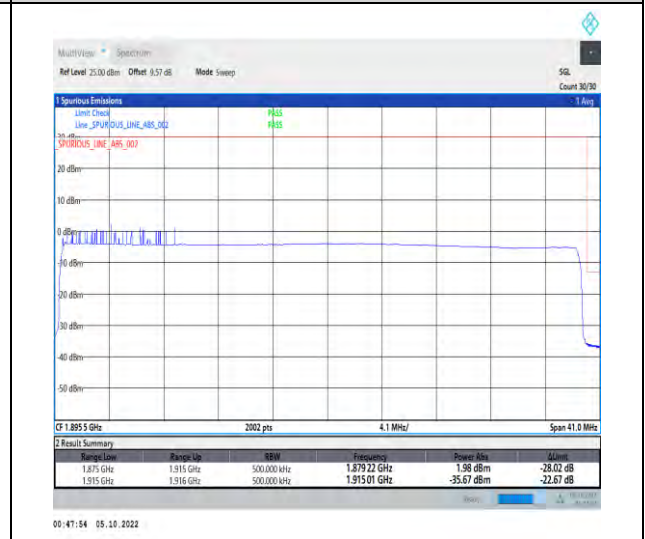
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@215-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-40-H-3-DFT-QPSK-Outer\_Full-216  
@0-Ant1-1-seegraph-PASS-see graph



1-N25-PC3-15-40-H-5-CP-QPSK-Edge\_1RB\_Right-1  
@215-Ant1-1-seegraph-PASS-see graph



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@0-Ant1-1-seegraph-PASS-see graph

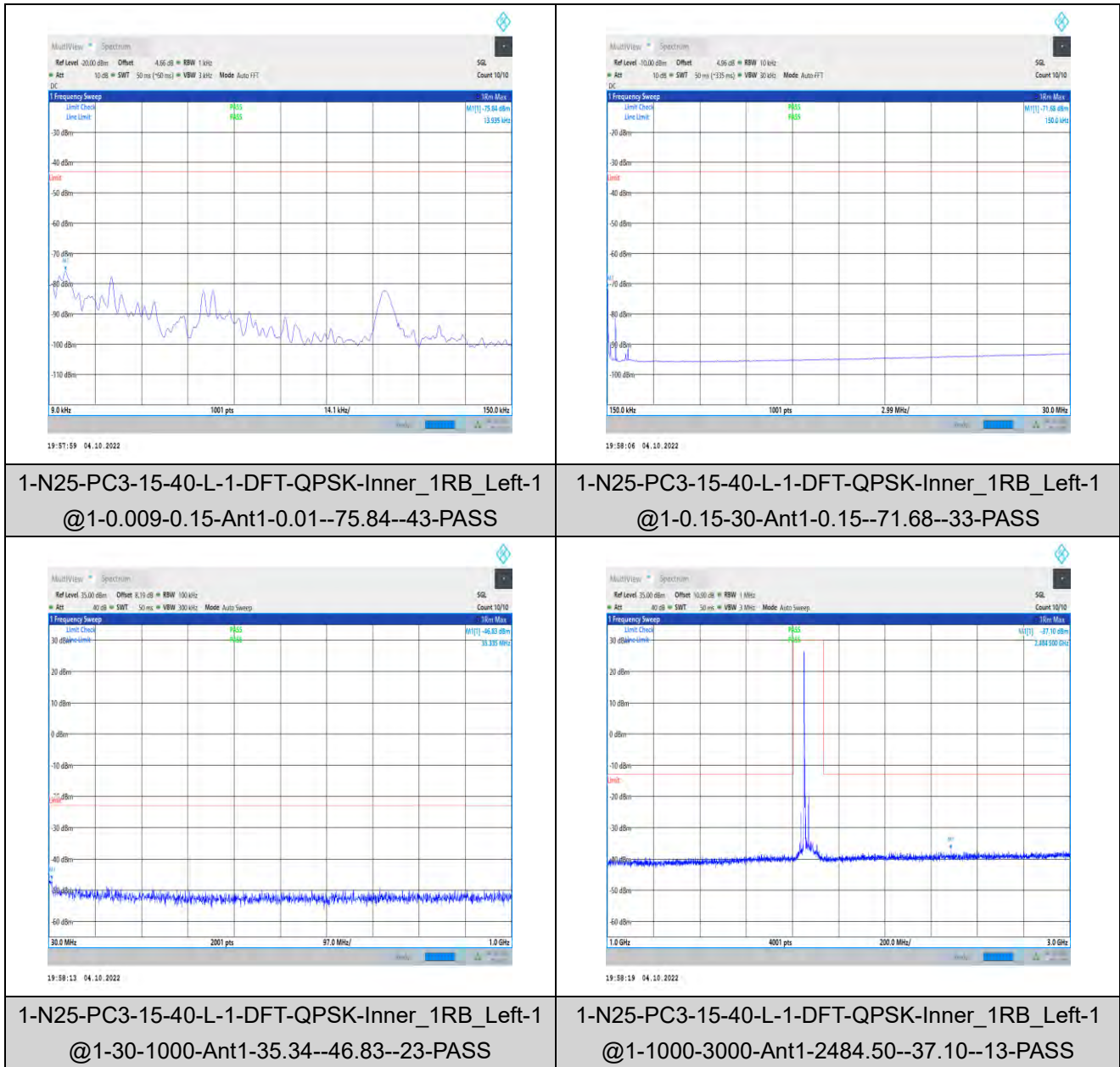


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## Conducted Spurious Emission for SA

### Test Graphs

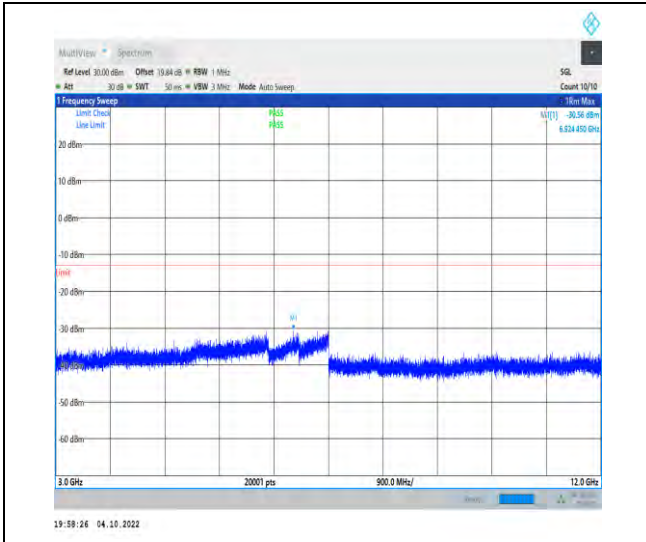


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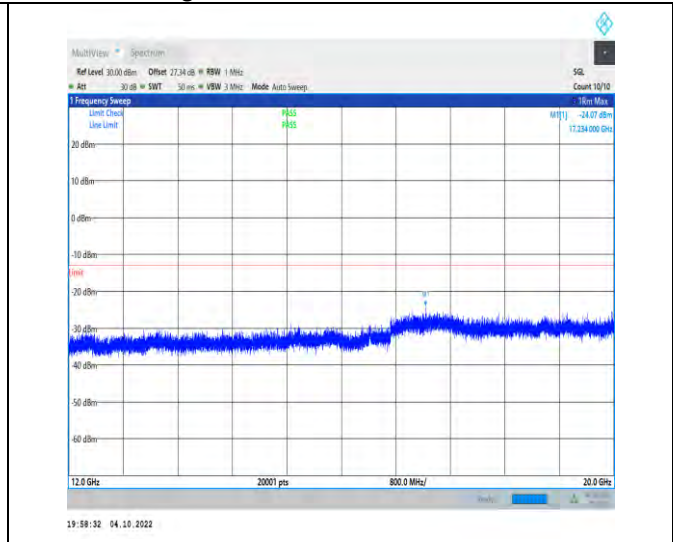
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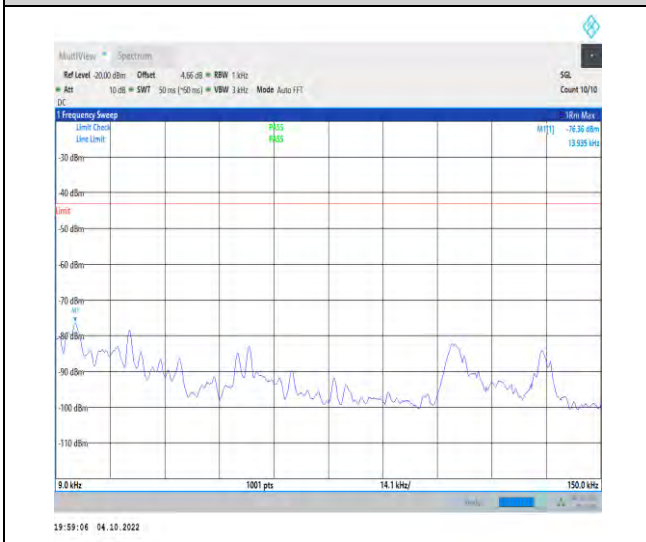




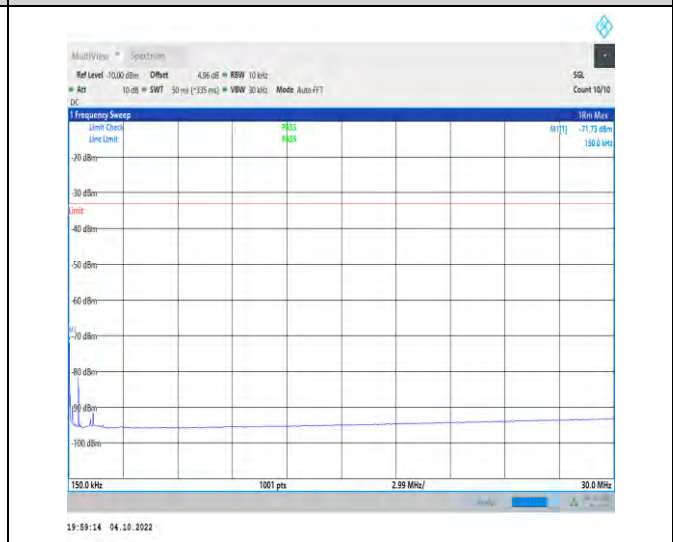
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@1-3000-12000-Ant1-6924.45--30.56--13-PASS



1-N25-PC3-15-40-L-1-DFT-QPSK-Inner\_1RB\_Left-1  
@1-12000-20000-Ant1-17234.00--24.07--13-PASS



1-N25-PC3-15-40-M-1-DFT-QPSK-Inner\_1RB\_Left-1  
@1-0.009-0.15-Ant1-0.01--76.36--43-PASS

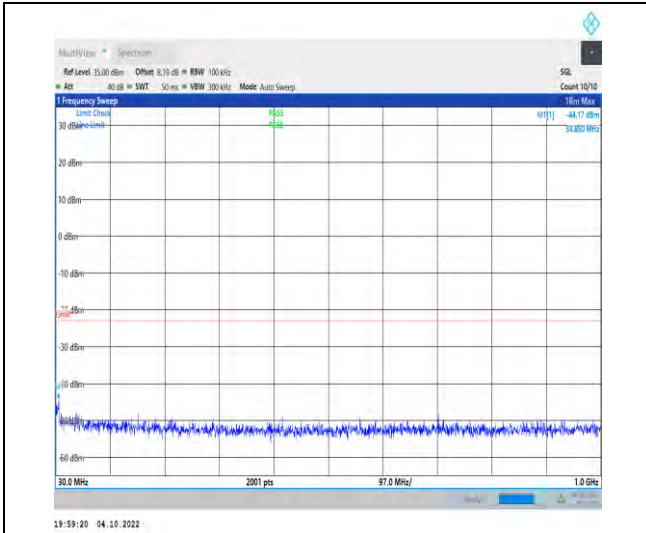


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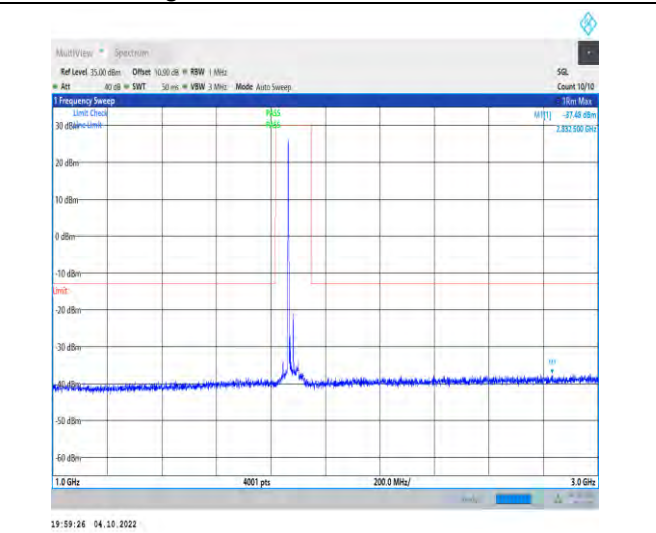


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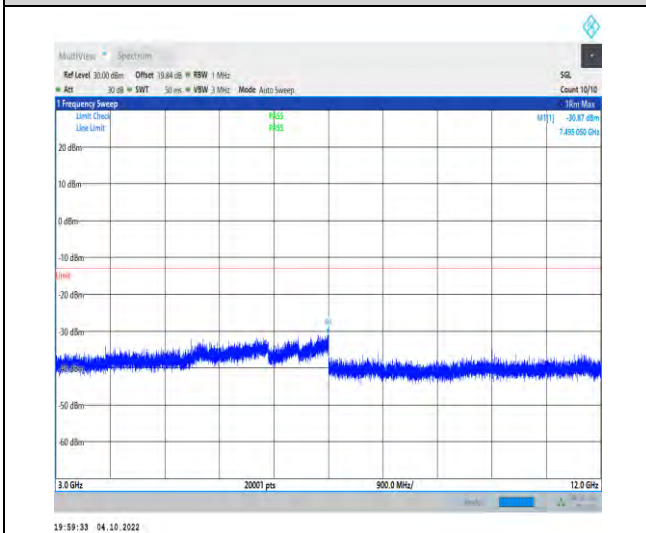
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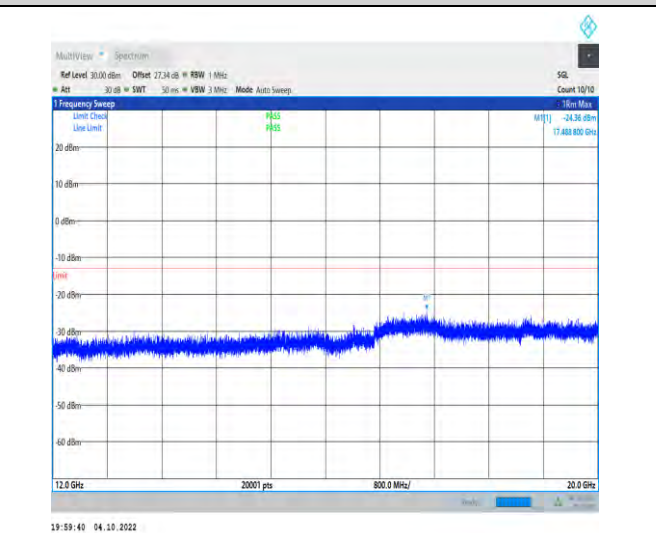
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1-N25-PC3-15-40-M-1-DFT-QPSK-Inner\_1RB\_Left-1@1-1000-3000-Ant1-2832.50--37.48--13-PASS



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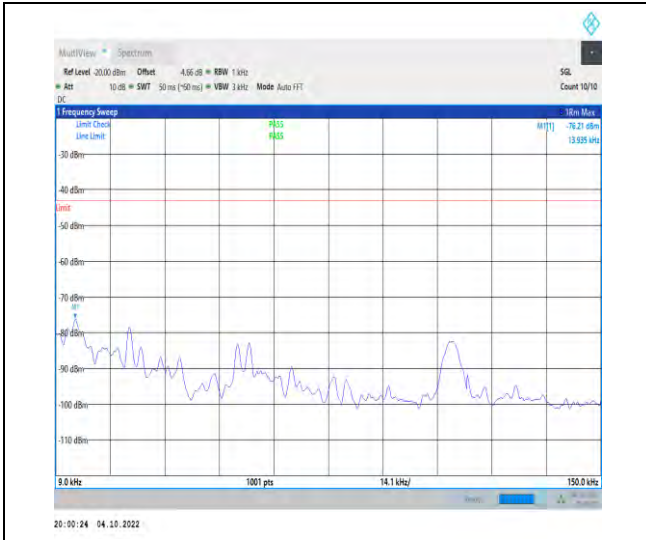
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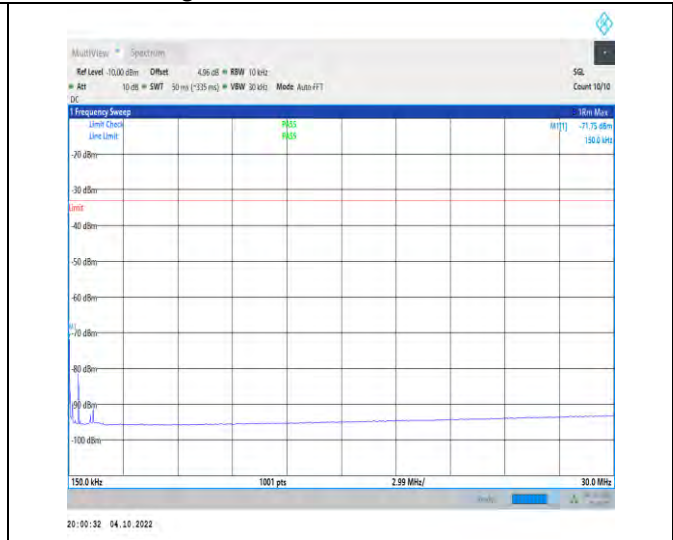
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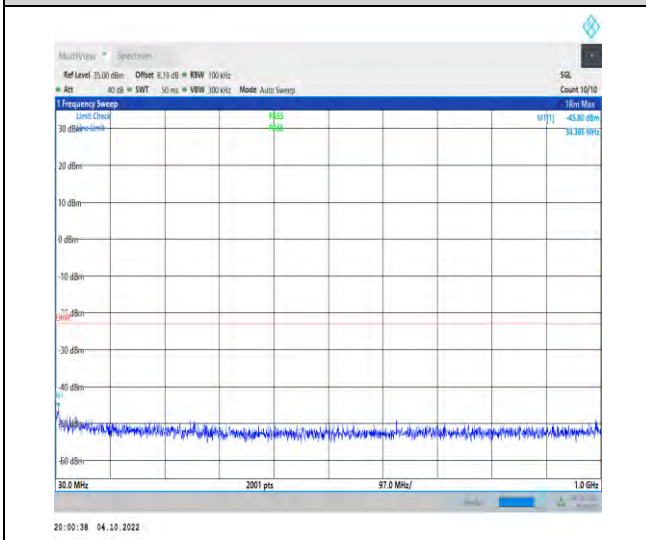




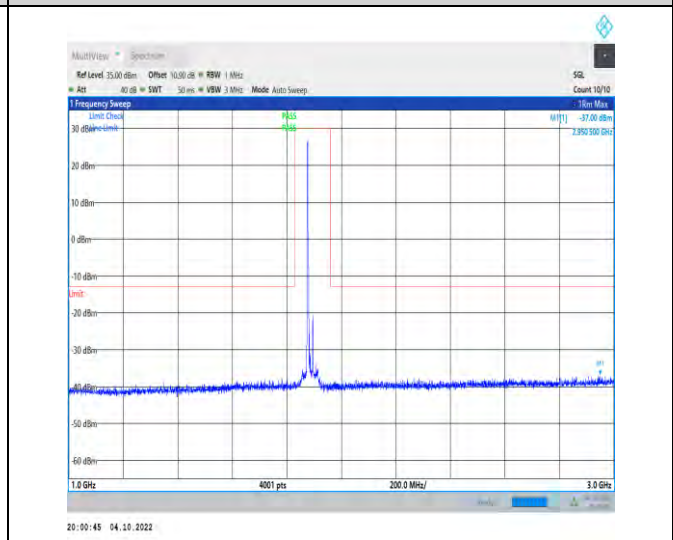
1-N25-PC3-15-40-H-1-DFT-QPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant1-0.01--76.21--43-PASS



1-N25-PC3-15-40-H-1-DFT-QPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1-0.15--71.75--33-PASS



1-N25-PC3-15-40-H-1-DFT-QPSK-Inner\_1RB\_Left-1@1-30-1000-Ant1-34.37--45.80--23-PASS

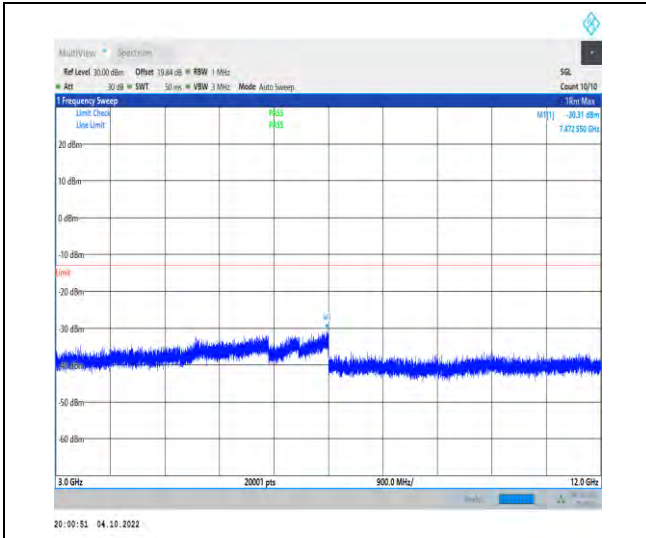


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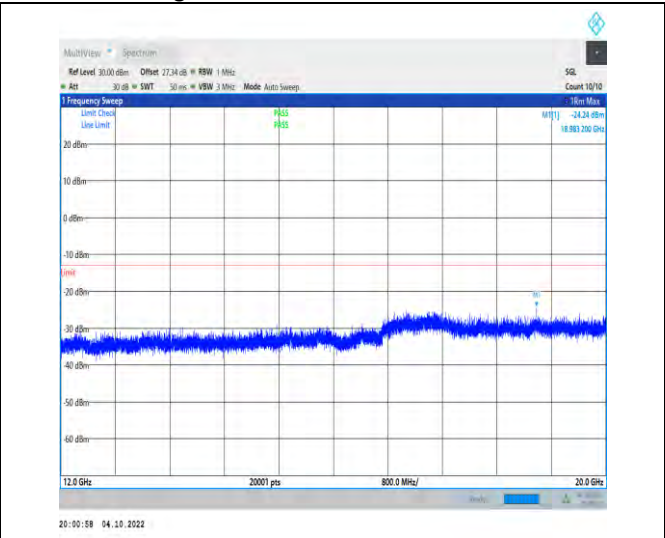


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1-N25-PC3-15-40-H-1-DFT-QPSK-Inner\_1RB\_Left-1@1-3000-12000-Ant1-7472.55--30.31--13-PASS



1-N25-PC3-15-40-H-1-DFT-QPSK-Inner\_1RB\_Left-1@1-12000-20000-Ant1-18983.20--24.24--13-PASS



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## Field Strength of Spurious Radiation

Test Band = 5G NR SA Band25\_ 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	3704.1800	49.13	-45.52	29.99	-61.66	-13.00	48.66	256	239	Horizontal
2	5556.2700	47.23	-45.14	32.97	-60.20	-13.00	47.20	132	71	Horizontal
3	7408.3600	46.75	-43.39	36.49	-55.41	-13.00	42.41	142	1	Horizontal
4	9260.4500	39.18	-40.23	38.39	-57.93	-13.00	44.93	155	85	Horizontal
5	11112.5400	34.41	-37.90	39.09	-59.65	-13.00	46.65	192	0	Horizontal
6	12964.6300	33.31	-37.25	39.80	-59.41	-13.00	46.41	115	225	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	3704.1800	48.26	-45.52	29.99	-62.53	-13.00	49.53	211	42	Vertical
2	5556.2700	47.78	-45.14	32.97	-59.65	-13.00	46.65	136	25	Vertical
3	7408.3600	45.37	-43.39	36.49	-56.79	-13.00	43.79	251	0	Vertical
4	9260.4500	39.36	-40.23	38.39	-57.75	-13.00	44.75	156	254	Vertical
5	11112.5400	34.73	-37.90	39.09	-59.33	-13.00	46.33	291	0	Vertical
6	12964.6300	32.11	-37.25	39.80	-60.61	-13.00	47.61	148	301	Vertical



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**Test Band = 5G NR SA Band25\_ 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	3729.1800	48.94	-45.62	30.08	-61.87	-13.00	48.87	285	193	Horizontal
2	5593.7700	46.96	-45.08	33.01	-60.37	-13.00	47.37	145	6	Horizontal
3	7458.3600	45.71	-43.25	36.46	-56.34	-13.00	43.34	261	208	Horizontal
4	9322.9500	38.88	-40.13	38.43	-58.08	-13.00	45.08	192	193	Horizontal
5	11187.5400	34.54	-37.46	39.11	-59.07	-13.00	46.07	145	222	Horizontal
6	13052.1300	31.70	-37.16	39.85	-60.86	-13.00	47.86	133	208	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	3729.1800	49.55	-45.62	30.08	-61.26	-13.00	48.26	222	0	Vertical
2	5593.7700	46.78	-45.08	33.01	-60.55	-13.00	47.55	154	191	Vertical
3	7458.3600	44.65	-43.25	36.46	-57.40	-13.00	44.40	126	329	Vertical
4	9322.9500	38.36	-40.13	38.43	-58.60	-13.00	45.60	236	1	Vertical
5	11187.5400	35.09	-37.46	39.11	-58.52	-13.00	45.52	251	41	Vertical
6	13052.1300	32.87	-37.16	39.85	-59.69	-13.00	46.69	148	283	Vertical



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**Test Band = 5G NR SA Band25\_ 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	3754.1800	48.47	-45.73	30.17	-62.35	-13.00	49.35	255	239	Horizontal
2	5631.2700	46.10	-45.00	33.14	-61.02	-13.00	48.02	142	133	Horizontal
3	7508.3600	45.16	-43.12	36.44	-56.79	-13.00	43.79	169	285	Horizontal
4	9385.4500	39.80	-39.89	38.48	-56.87	-13.00	43.87	158	316	Horizontal
5	11262.5400	36.19	-37.41	39.11	-57.37	-13.00	44.37	192	299	Horizontal
6	13139.6300	31.81	-37.08	39.89	-60.64	-13.00	47.64	142	116	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	3754.1800	52.68	-45.73	30.17	-58.14	-13.00	45.14	222	301	Vertical
2	5631.2700	46.94	-45.00	33.14	-60.18	-13.00	47.18	145	0	Vertical
3	7508.3600	45.68	-43.12	36.44	-56.27	-13.00	43.27	196	102	Vertical
4	9385.4500	39.07	-39.89	38.48	-57.60	-13.00	44.60	111	316	Vertical
5	11262.5400	34.98	-37.41	39.11	-58.58	-13.00	45.58	136	134	Vertical
6	13139.6300	31.90	-37.08	39.89	-60.55	-13.00	47.55	261	73	Vertical



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**Test Band = 5G NR NSA 12A-N25A\_TM1**

**Test Channel = Low WORSE**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.1800	48.35	-45.52	29.99	-62.44	-13.00	49.44	256	108	Horizontal
2	5556.2700	48.73	-45.14	32.97	-58.70	-13.00	45.70	122	166	Horizontal
3	7408.3600	45.11	-43.39	36.49	-57.05	-13.00	44.05	132	318	Horizontal
4	9260.4500	39.04	-40.23	38.39	-58.07	-13.00	45.07	155	358	Horizontal
5	11112.5400	34.64	-37.90	39.09	-59.42	-13.00	46.42	196	304	Horizontal
6	12964.6300	32.34	-37.25	39.80	-60.38	-13.00	47.38	174	305	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	3704.1800	48.93	-45.52	29.99	-61.86	-13.00	48.86	215	44	Vertical
2	5556.2700	49.00	-45.14	32.97	-58.43	-13.00	45.43	148	75	Vertical
3	7408.3600	47.23	-43.39	36.49	-54.93	-13.00	41.93	169	214	Vertical
4	9260.4500	39.47	-40.23	38.39	-57.64	-13.00	44.64	185	197	Vertical
5	11112.5400	33.72	-37.90	39.09	-60.34	-13.00	47.34	142	76	Vertical
6	12964.6300	33.71	-37.25	39.80	-59.01	-13.00	46.01	139	122	Vertical



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**Test Band = 5G NR NSA 12A-N25A\_TM1**

**Test Channel = Mid WORSE**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3729.1800	50.83	-45.62	30.08	-59.98	-13.00	46.98	125	304	Horizontal
2	5593.7700	48.41	-45.08	33.01	-58.92	-13.00	45.92	145	4	Horizontal
3	7458.3600	45.04	-43.25	36.46	-57.01	-13.00	44.01	169	182	Horizontal
4	9322.9500	39.51	-40.13	38.43	-57.45	-13.00	44.45	191	182	Horizontal
5	11187.5400	35.48	-37.46	39.11	-58.13	-13.00	45.13	148	210	Horizontal
6	13052.1300	33.01	-37.16	39.85	-59.55	-13.00	46.55	175	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	3729.1800	56.37	-45.62	30.08	-54.44	-13.00	41.44	284	106	Vertical
2	5593.7700	46.44	-45.08	33.01	-60.89	-13.00	47.89	169	214	Vertical
3	7458.3600	44.51	-43.25	36.46	-57.54	-13.00	44.54	155	273	Vertical
4	9322.9500	38.62	-40.13	38.43	-58.34	-13.00	45.34	174	136	Vertical
5	11187.5400	36.13	-37.46	39.11	-57.48	-13.00	44.48	122	197	Vertical
6	13052.1300	31.83	-37.16	39.85	-60.73	-13.00	47.73	139	358	Vertical



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**Test Band = 5G NR NSA 12A-N25A\_TM1**
**Test Channel = High WORSE**

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3754.1800	50.96	-45.73	30.17	-59.86	-13.00	46.86	254	360	Horizontal
2	5631.2700	46.60	-45.00	33.14	-60.52	-13.00	47.52	145	121	Horizontal
3	7508.3600	44.65	-43.12	36.44	-57.30	-13.00	44.30	175	320	Horizontal
4	9385.4500	39.31	-39.89	38.48	-57.36	-13.00	44.36	199	166	Horizontal
5	11262.5400	35.55	-37.41	39.11	-58.01	-13.00	45.01	142	360	Horizontal
6	13139.6300	31.19	-37.08	39.89	-61.26	-13.00	48.26	136	137	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	3754.1800	54.49	-45.73	30.17	-56.33	-13.00	43.33	265	91	Vertical
2	5631.2700	48.92	-45.00	33.14	-58.20	-13.00	45.20	142	360	Vertical
3	7508.3600	45.42	-43.12	36.44	-56.53	-13.00	43.53	133	360	Vertical
4	9385.4500	40.01	-39.89	38.48	-56.66	-13.00	43.66	258	14	Vertical
5	11262.5400	34.74	-37.41	39.11	-58.82	-13.00	45.82	149	74	Vertical
6	13139.6300	31.69	-37.08	39.89	-60.76	-13.00	47.76	166	152	Vertical

Remark:

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

 $AF = \text{Antenna Factor(dB/m)}$ 
 $\text{Factor} = \text{Cable Factor(dB)} - \text{Preamplifier (dB)}$ 
 $\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$ 
 $\text{Margin} = \text{Limit} - \text{Level}$ 


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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
N25	15	40	DFT-QPSK	M	Outer_Full	VH	NT	4.800000	0.002550	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	VN	NT	4.100000	0.002178	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	VL	NT	2.300000	0.001222	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VH	NT	2.300000	0.001222	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VN	NT	10.500000	0.005578	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VL	NT	5.900000	0.003134	PASS



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Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N25	15	40	DFT-QPSK	M	Outer_Full	NV	-30	9.300000	0.004940	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	NV	-20	8.400000	0.004462	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	NV	-10	15.400000	0.008181	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	NV	0	18.800000	0.009987	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	NV	10	17.600000	0.009349	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	NV	20	15.000000	0.007968	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	NV	30	16.400000	0.008712	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	NV	40	11.600000	0.006162	PASS
N25	15	40	DFT-QPSK	M	Outer_Full	NV	50	5.100000	0.002709	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-30	3.400000	0.001806	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-20	12.000000	0.006375	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-10	3.900000	0.002072	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	0	5.200000	0.002762	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	10	6.300000	0.003347	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	20	4.100000	0.002178	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	30	10.600000	0.005631	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	40	4.200000	0.002231	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	50	8.700000	0.004622	PASS

---End of Attachment---



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