

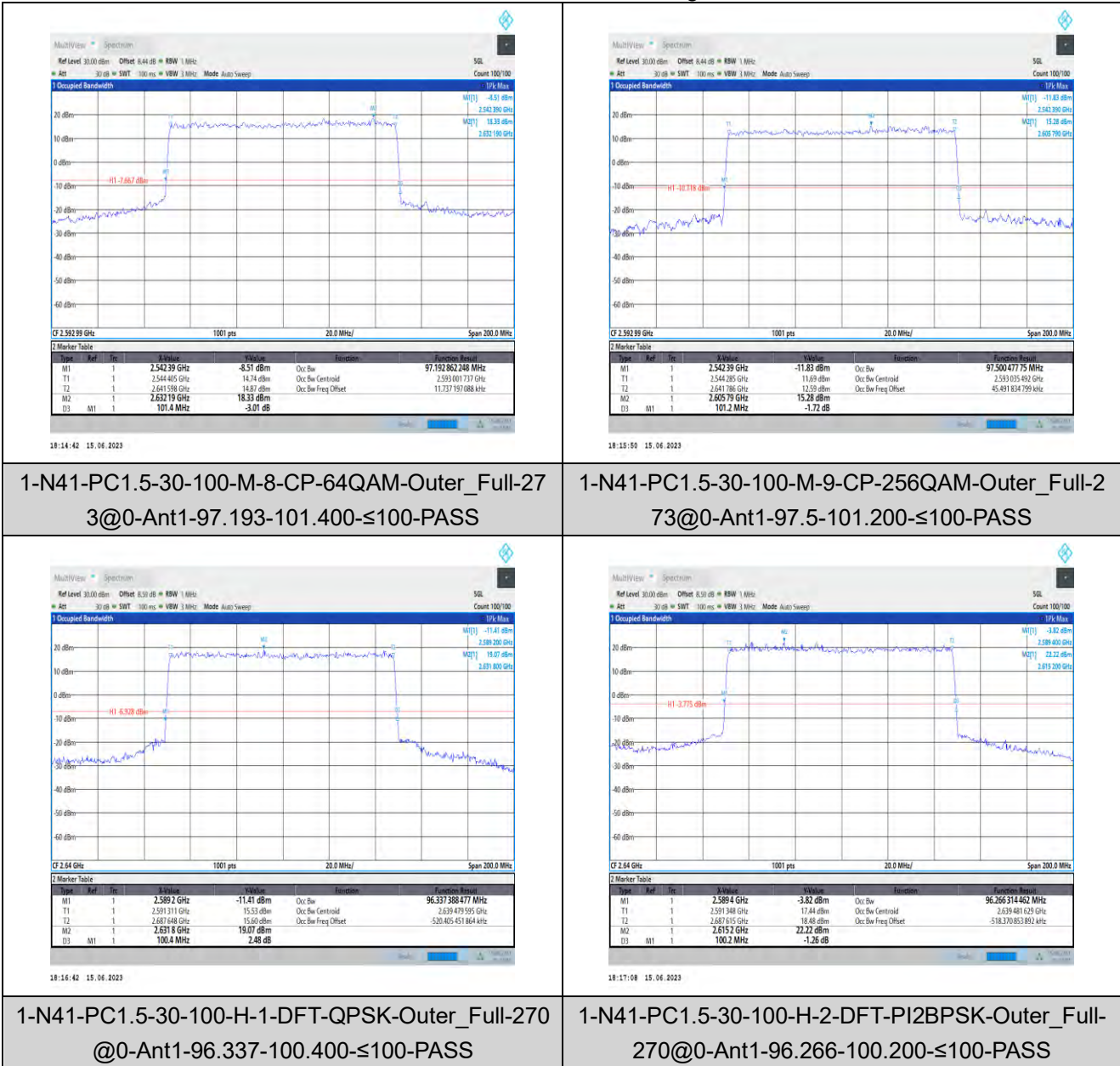
<p>1-N41-PC1.5-30-100-M-4-DFT-64QAM-Outer_Full-270@0-Ant1-96.305-100.400-≤100-PASS</p>	<p>1-N41-PC1.5-30-100-M-5-DFT-256QAM-Outer_Full-270@0-Ant1-96.537-100.000-≤100-PASS</p>
<p>1-N41-PC1.5-30-100-M-6-CP-QPSK-Outer_Full-273@0-Ant1-97.414-101.400-≤100-PASS</p>	<p>1-N41-PC1.5-30-100-M-7-CP-16QAM-Outer_Full-273@0-Ant1-97.501-101.200-≤100-PASS</p>



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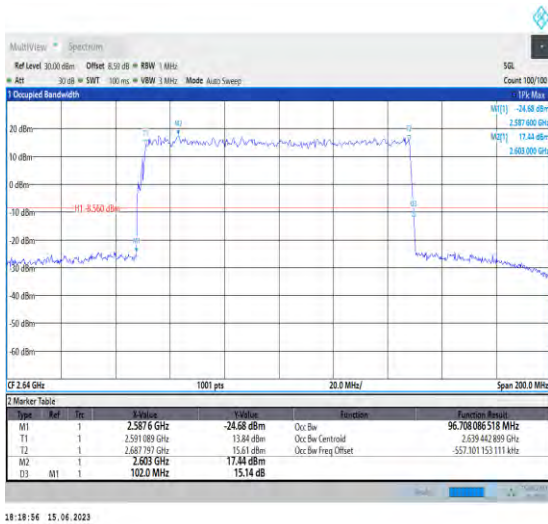
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1-N41-PC1.5-30-100-H-3-DFT-16QAM-Outer_Full-2
70@0-Ant1-96.421-100.400-≤100-PASS

1-N41-PC1.5-30-100-H-4-DFT-64QAM-Outer_Full-2
70@0-Ant1-96.312-100.400-≤100-PASS



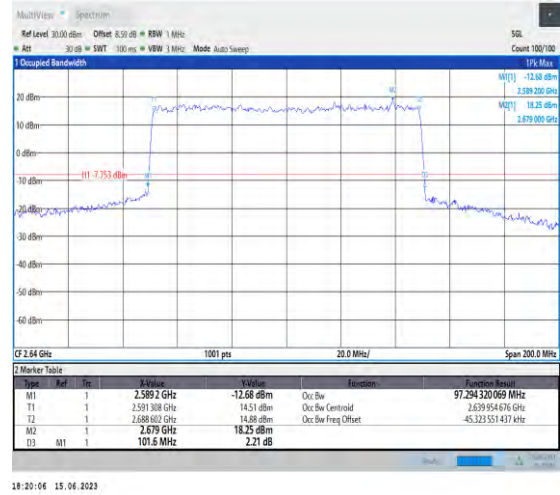
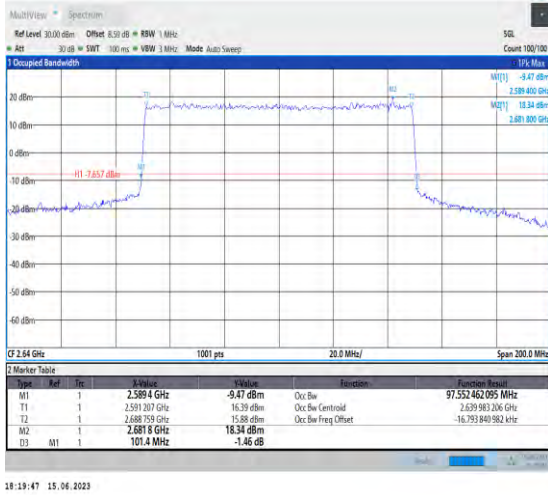
1-N41-PC1.5-30-100-H-5-DFT-256QAM-Outer_Full-270@0-Ant1-96.708-102.000-≤100-PASS

1-N41-PC1.5-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-97.348-101.600-≤100-PASS



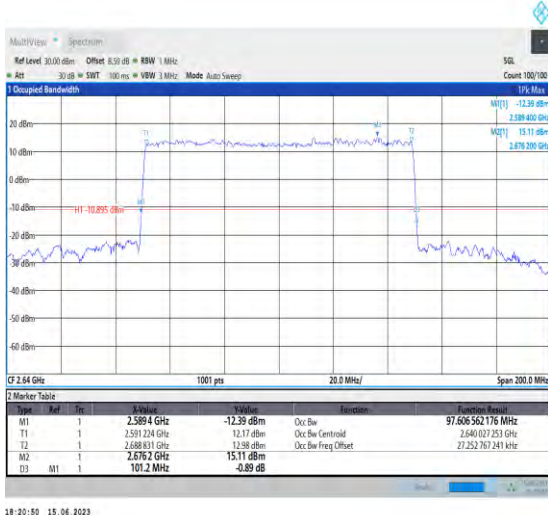
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1-N41-PC1.5-30-100-H-7-CP-16QAM-Outer_Full-27
3@0-Ant1-97.552-101.400-≤100-PASS

1-N41-PC1.5-30-100-H-8-CP-64QAM-Outer_Full-27
3@0-Ant1-97.294-101.600-≤100-PASS



1-N41-PC1.5-30-100-H-9-CP-256QAM-Outer_Full-2
73@0-Ant1-97.607-101.200-≤100-PASS

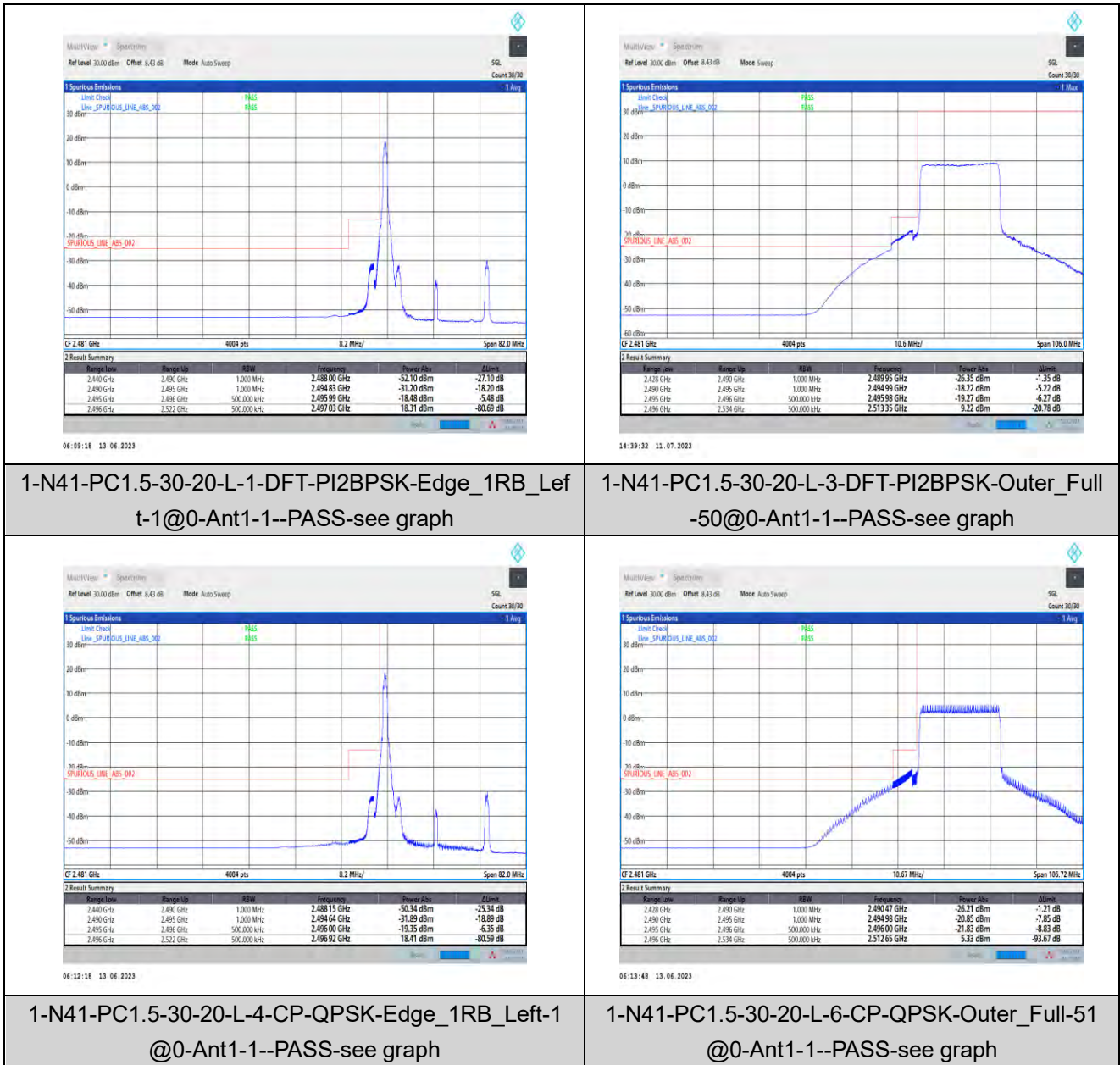


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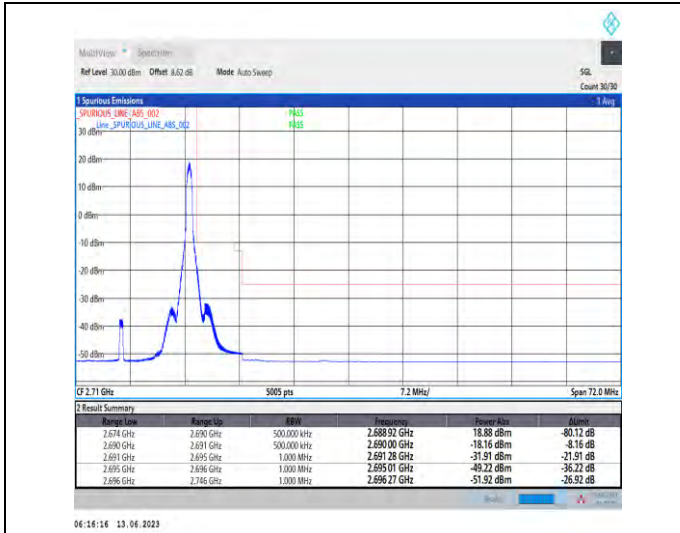
Band Edge for UL MIMO

Test Graphs



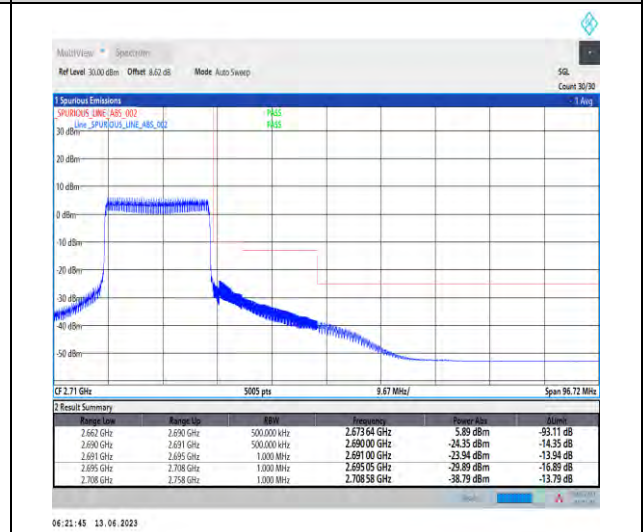
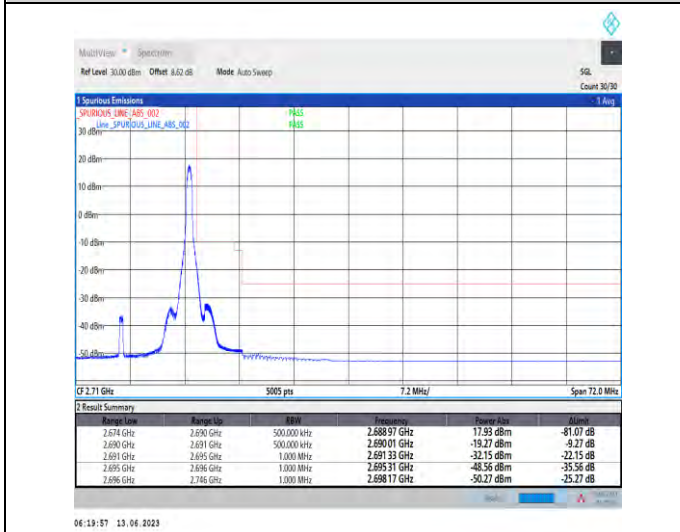
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1-N41-PC1.5-30-20-H-2-DFT-PI2BPSK-Edge_1RB_Ri ght-1@50-Ant1-1--PASS-see graph

1-N41-PC1.5-30-20-H-3-DFT-PI2BPSK-Outer_Full -50@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-20-H-5-CP-QPSK-Edge_1RB_Right-1 @50-Ant1-1--PASS-see graph

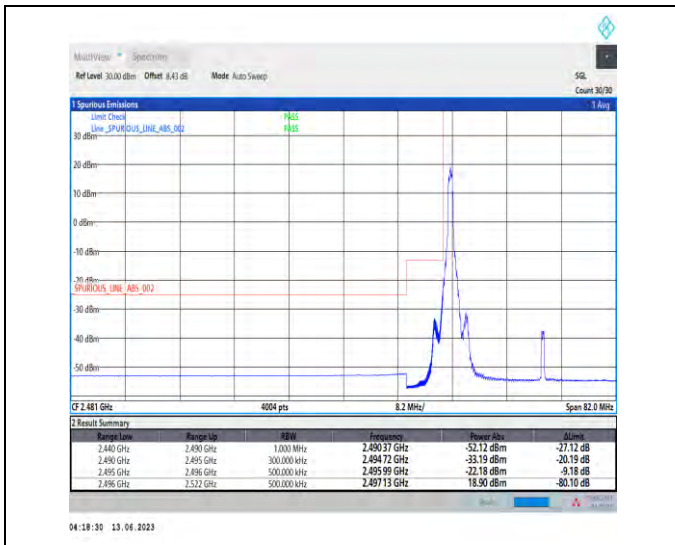
1-N41-PC1.5-30-20-H-6-CP-QPSK-Outer_Full-51 @0-Ant1-1--PASS-see graph



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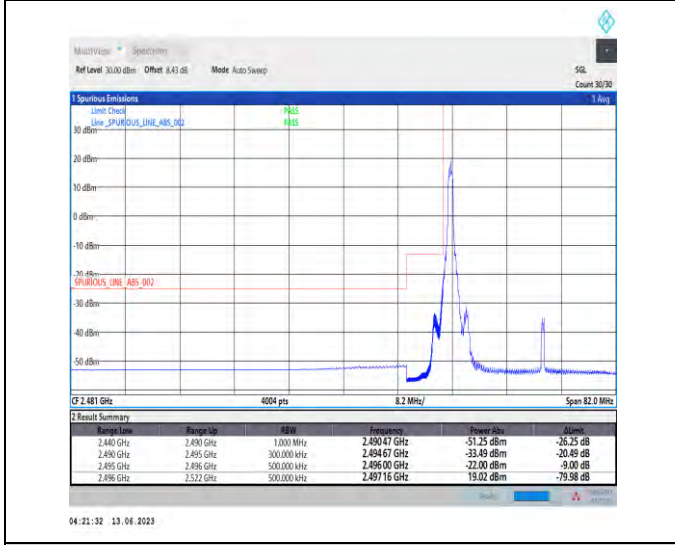
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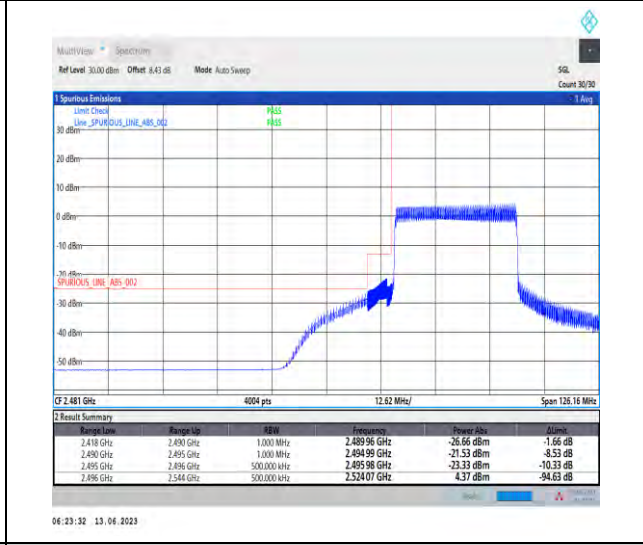
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1-N41-PC1.5-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-30-L-4-CP-QPSK-Edge_1RB_Left-1 @0-Ant1-1--PASS-see graph

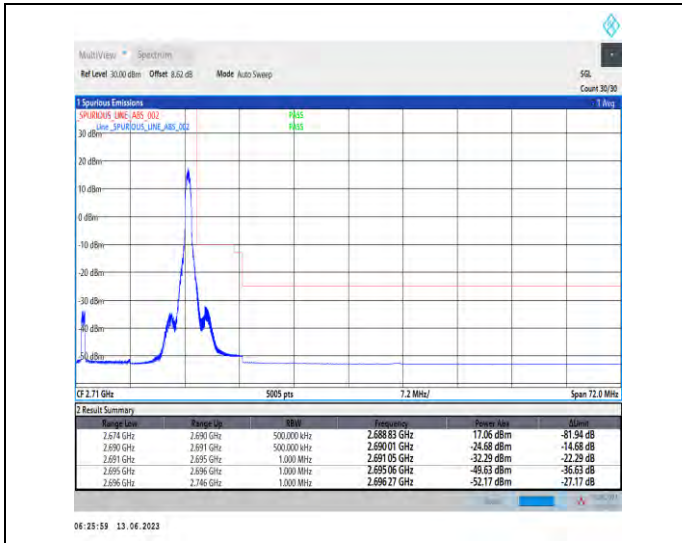


1-N41-PC1.5-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph



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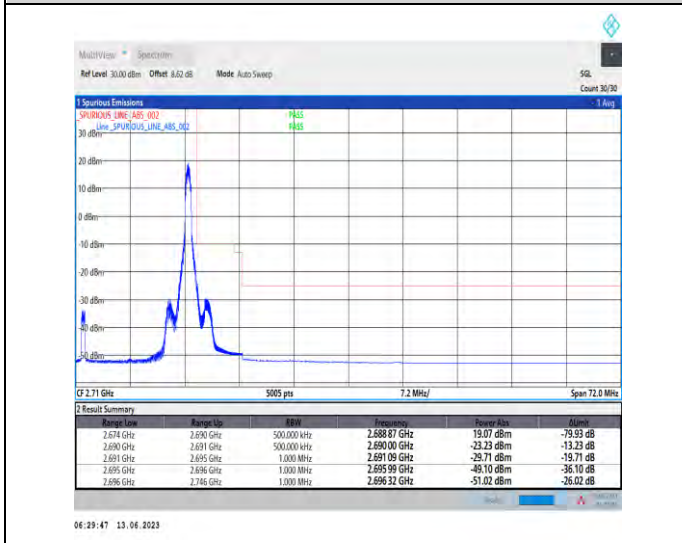
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1-N41-PC1.5-30-30-H-2-DFT-PI2BPSK-Edge_1RB_Ri ght-1@77-Ant1-1--PASS-see graph



1-N41-PC1.5-30-30-H-3-DFT-PI2BPSK-Outer_Full -75@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-30-H-5-CP-QPSK-Edge_1RB_R ight-1@77-Ant1-1--PASS-see graph

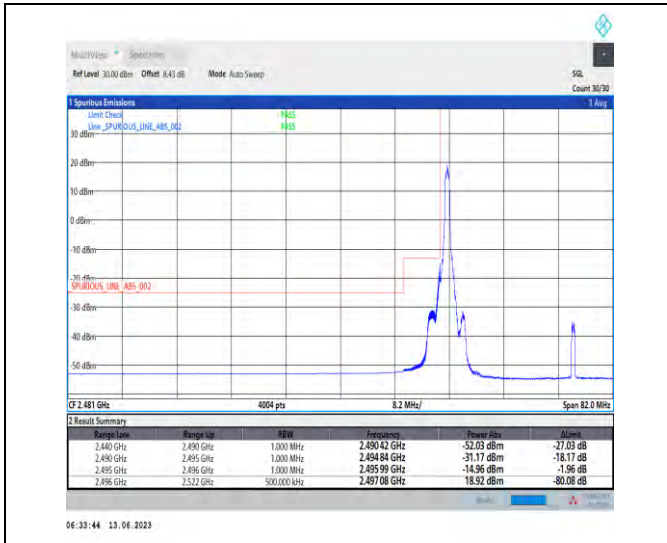


1-N41-PC1.5-30-30-H-6-CP-QPSK-Outer_Full-78 @0-Ant1-1--PASS-see graph



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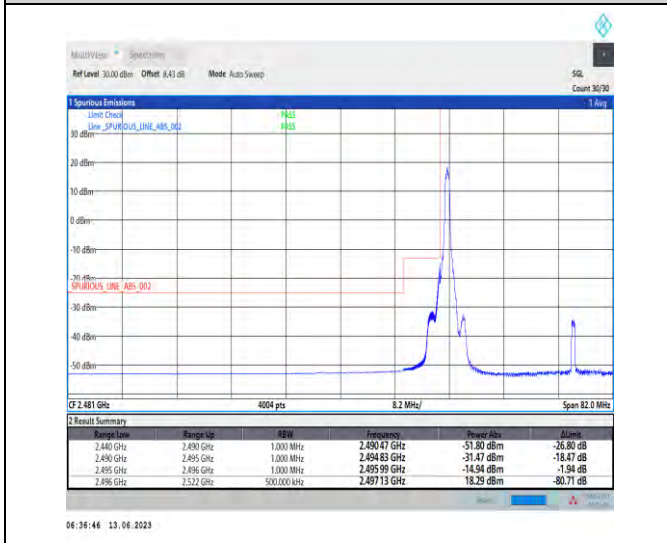
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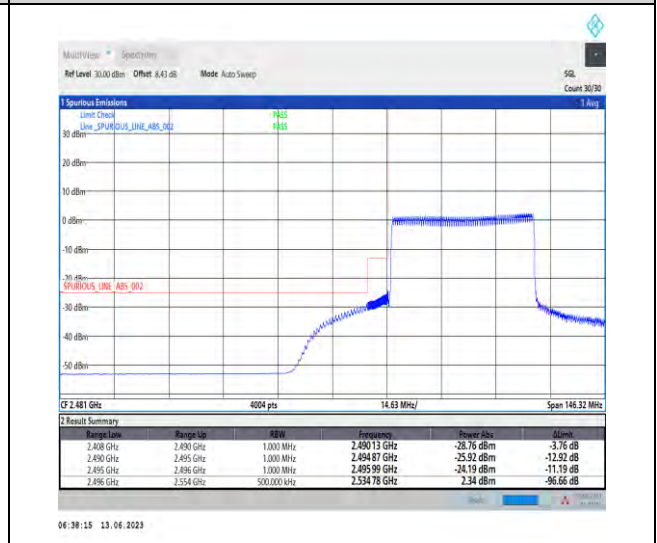
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00@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-40-L-4-CP-QPSK-Edge_1RB_Left-1
@0-Ant1-1--PASS-see graph

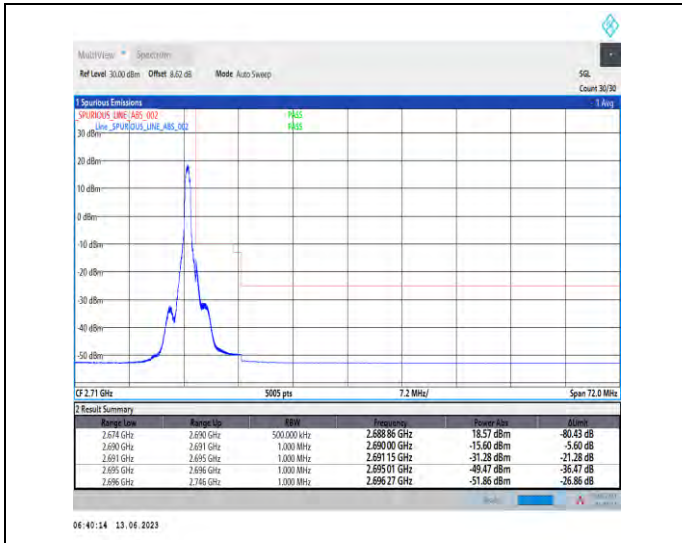


1-N41-PC1.5-30-40-L-6-CP-QPSK-Outer_Full-106
@0-Ant1-1--PASS-see graph

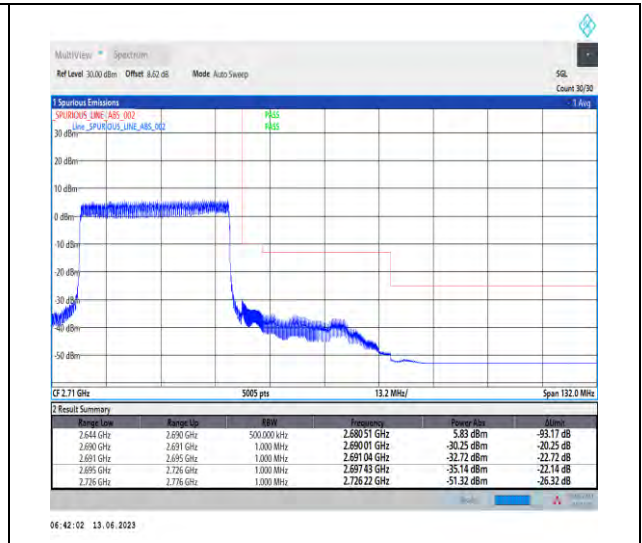


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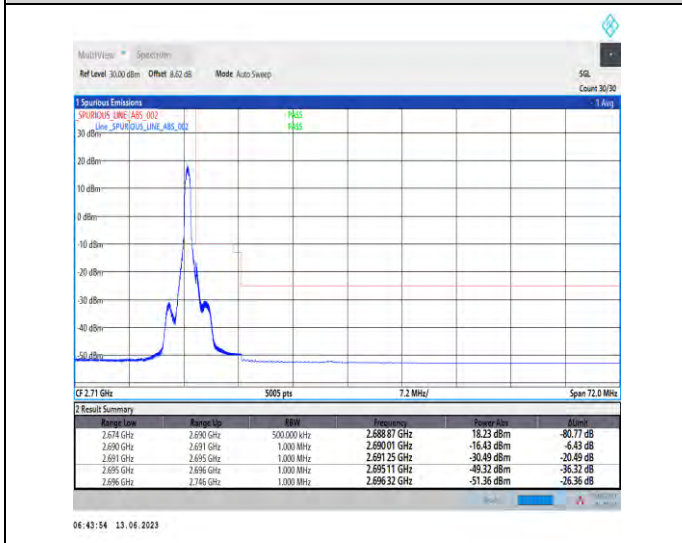
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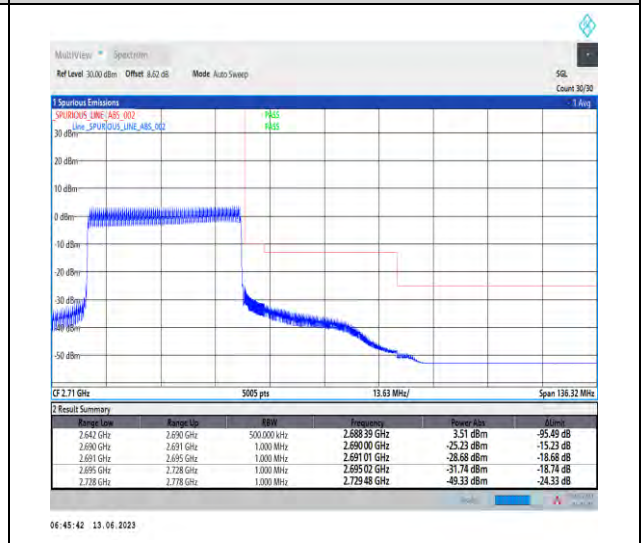
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1-N41-PC1.5-30-40-H-3-DFT-PI2BPSK-Outer_Full -100@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-40-H-5-CP-QPSK-Edge_1RB_Ri ght-1@105-Ant1-1--PASS-see graph

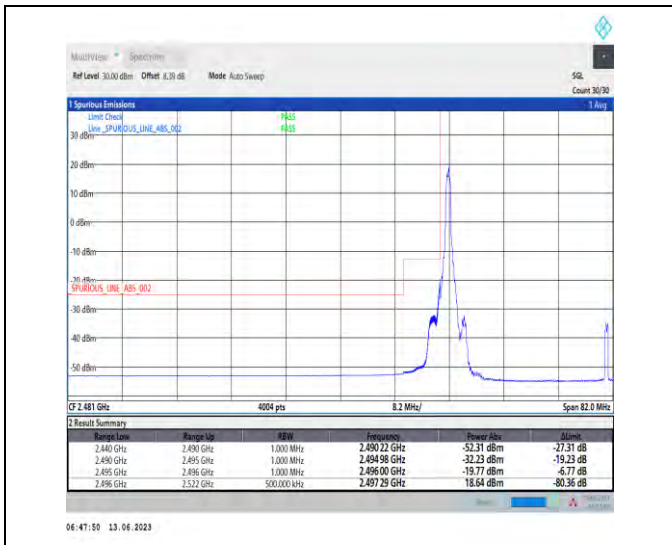


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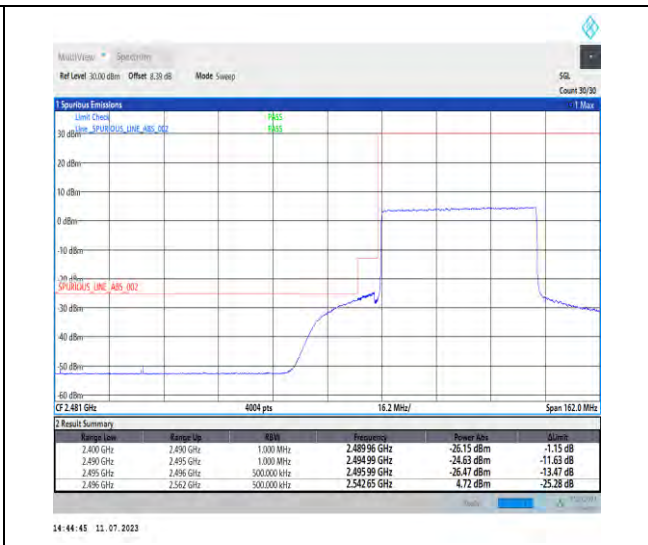


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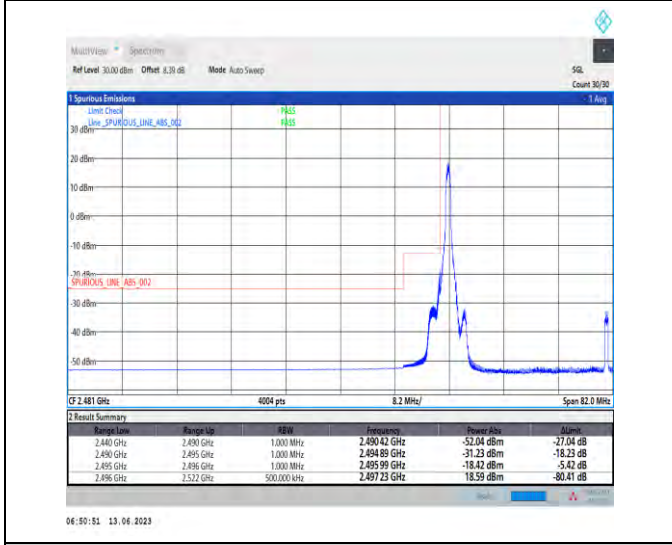
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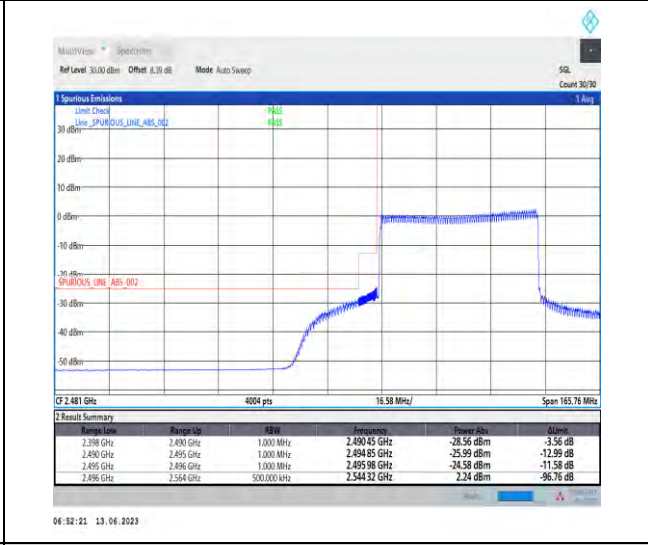
1-N41-PC1.5-30-50-L-1-DFT-PI2BPSK-Edge_1RB_L
 eft-1@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-50-L-3-DFT-PI2BPSK-Outer_Full-1
 28@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-50-L-4-CP-QPSK-Edge_1RB_Left-1
 @0-Ant1-1--PASS-see graph

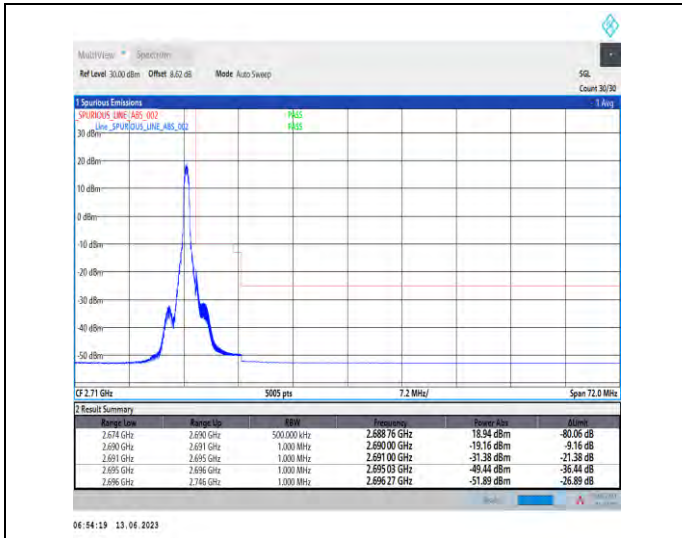


1-N41-PC1.5-30-50-L-6-CP-QPSK-Outer_Full-133
 @0-Ant1-1--PASS-see graph



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1-N41-PC1.5-30-50-H-2-DFT-PI2BPSK-Edge_1RB_Ri ght-1@132-Ant1-1--PASS-see graph



1-N41-PC1.5-30-50-H-3-DFT-PI2BPSK-Outer_Full -128@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-50-H-5-CP-QPSK-Edge_1RB_Ri ght-1@132-Ant1-1--PASS-see graph

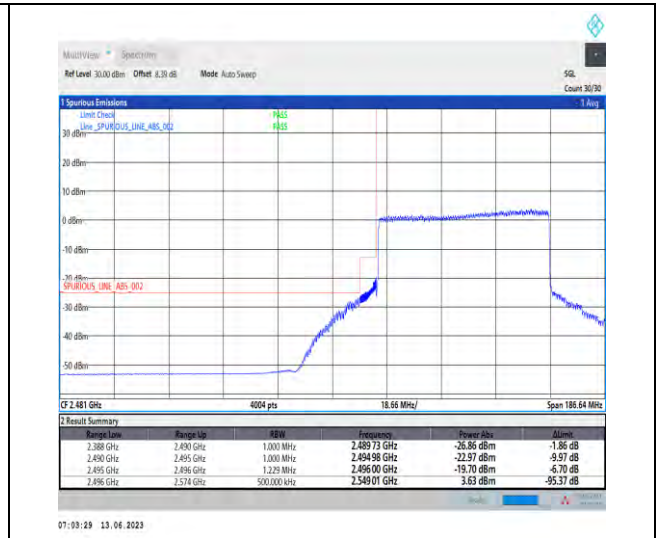
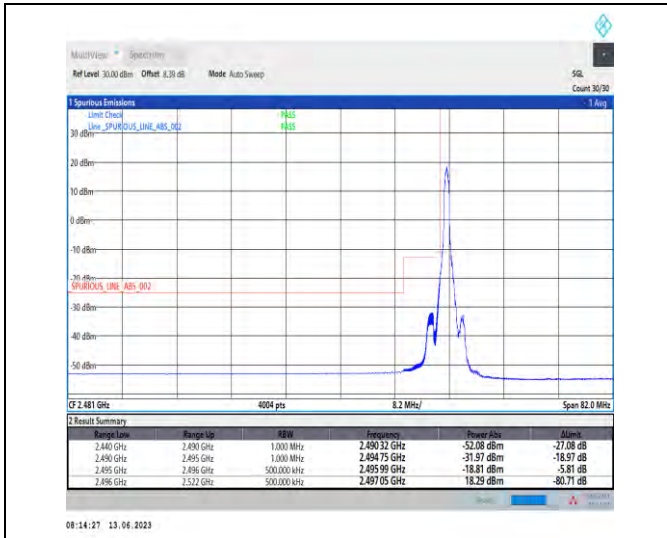


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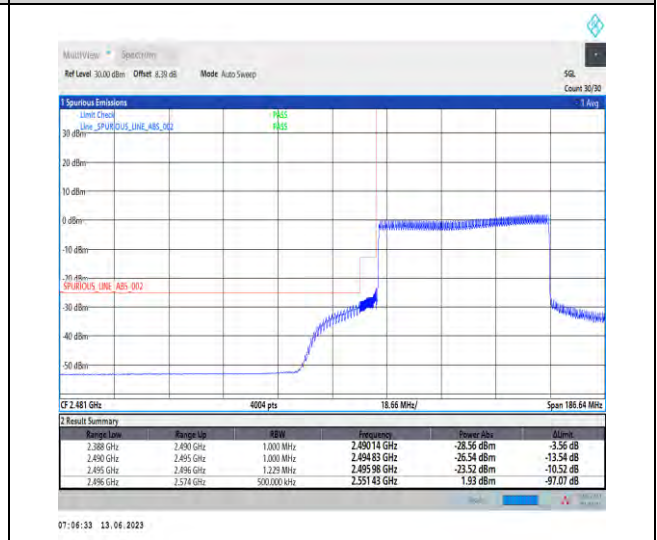
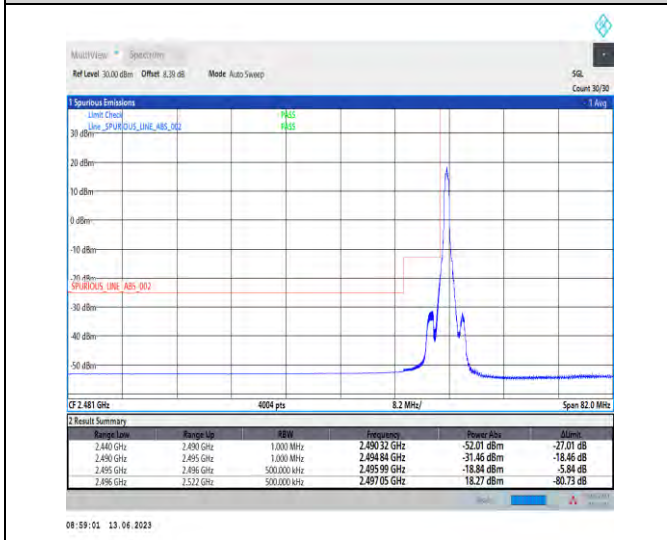
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1-N41-PC1.5-30-60-L-1-DFT-PI2BPSK-Edge_1RB_L eft-1@0-Ant1-1--PASS-see graph

1-N41-PC1.5-30-60-L-3-DFT-PI2BPSK-Outer_Full-1 62@0-Ant1-1--PASS-see graph



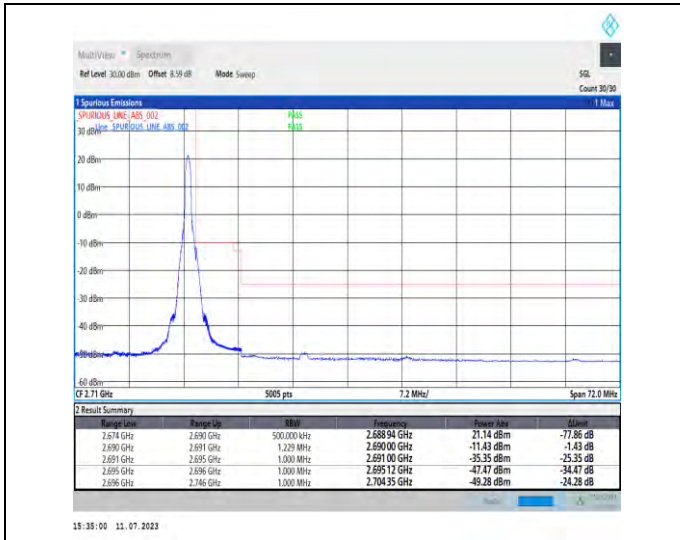
1-N41-PC1.5-30-60-L-4-CP-QPSK-Edge_1RB_Left-1 @0-Ant1-1--PASS-see graph

1-N41-PC1.5-30-60-L-6-CP-QPSK-Outer_Full-162 @0-Ant1-1--PASS-see graph



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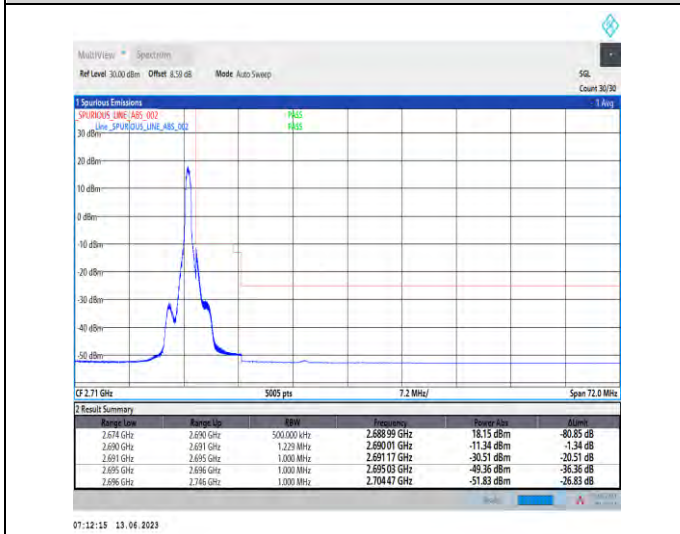
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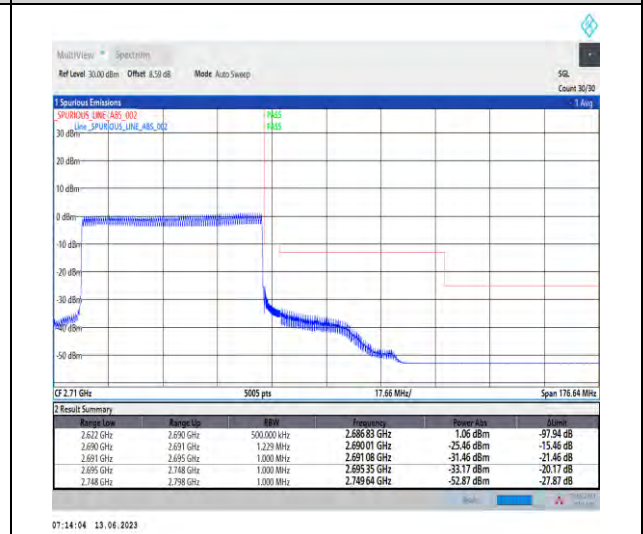
1-N41-PC1.5-30-60-H-2-DFT-PI2BPSK-Edge_1RB_Ri ght-1@161-Ant1-1--PASS-see graph



1-N41-PC1.5-30-60-H-3-DFT-PI2BPSK-Outer_Full -162@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-60-H-5-CP-QPSK-Edge_1RB_Right-1 @161-Ant1-1--PASS-see graph

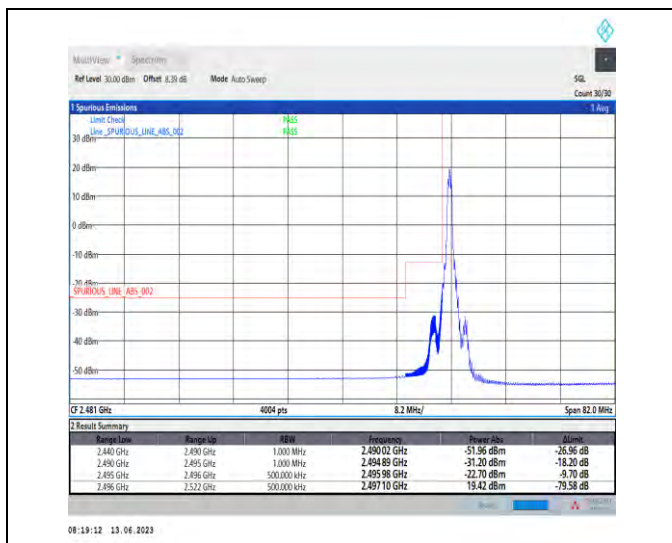


1-N41-PC1.5-30-60-H-6-CP-QPSK-Outer_Full-162 @0-Ant1-1--PASS-see graph



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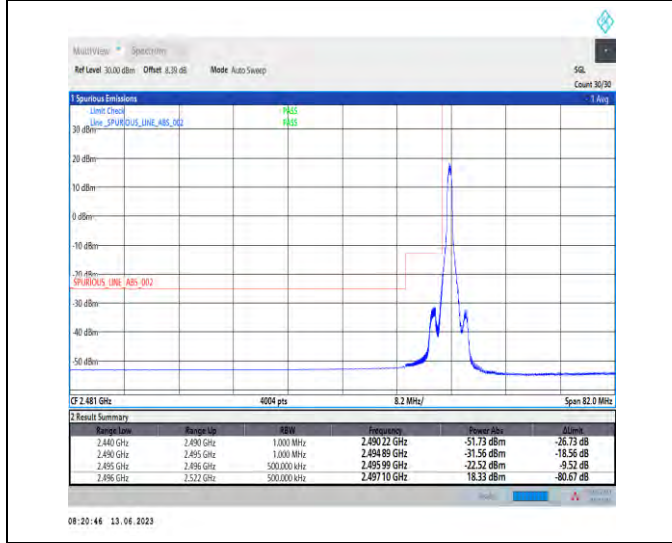
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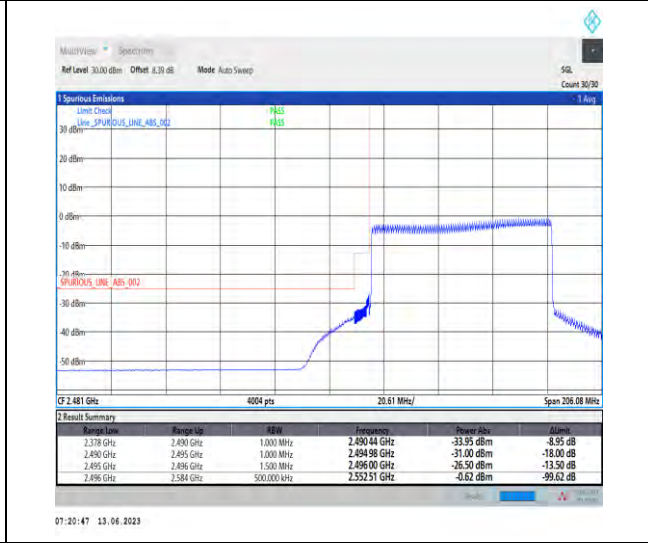
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1-N41-PC1.5-30-70-L-3-DFT-PI2BPSK-Outer_Full-1
 80@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-70-L-4-CP-QPSK-Edge_1RB_Left-1
 @0-Ant1-1--PASS-see graph

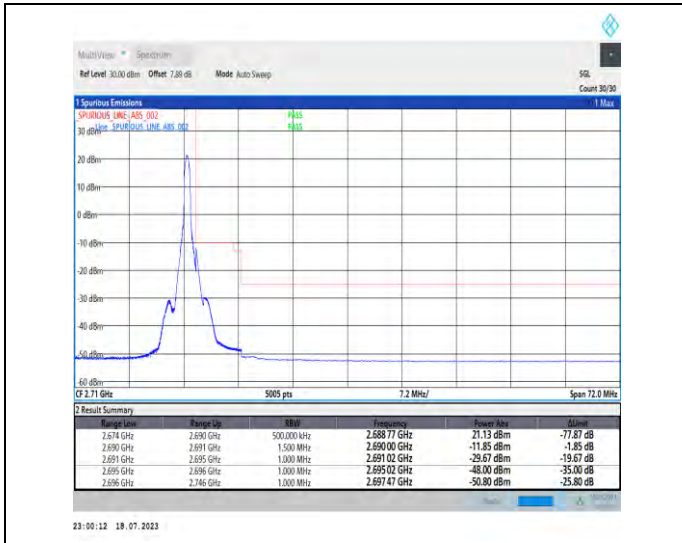


1-N41-PC1.5-30-70-L-6-CP-QPSK-Outer_Full-189
 @0-Ant1-1--PASS-see graph



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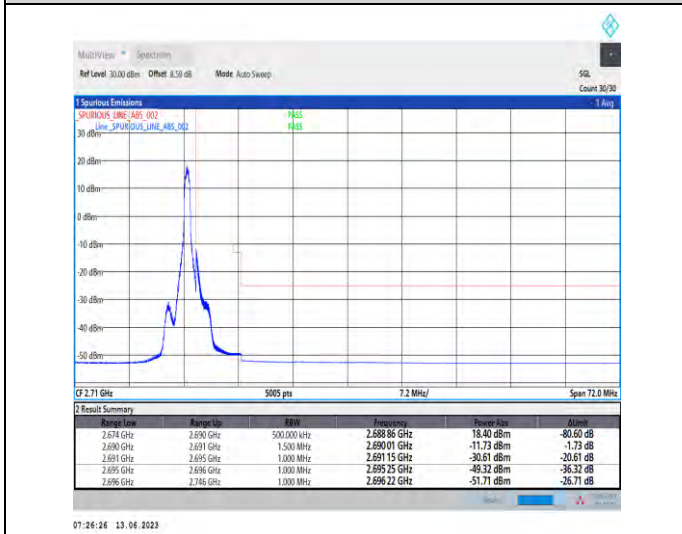
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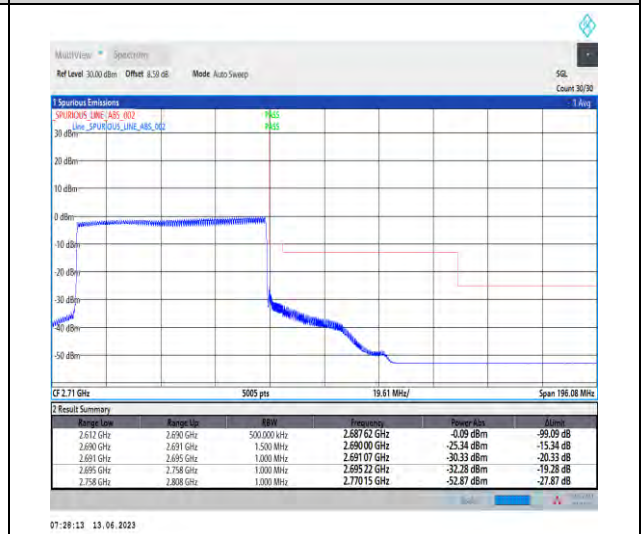
1-N41-PC1.5-30-70-H-2-DFT-PI2BPSK-Edge_1RB_Ri ght-1@188-Ant1-1--PASS-see graph



1-N41-PC1.5-30-70-H-3-DFT-PI2BPSK-Outer_Full -180@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-70-H-5-CP-QPSK-Edge_1RB_Ri ght-1@188-Ant1-1--PASS-see graph



1-N41-PC1.5-30-70-H-6-CP-QPSK-Outer_Full-189 @0-Ant1-1--PASS-see graph



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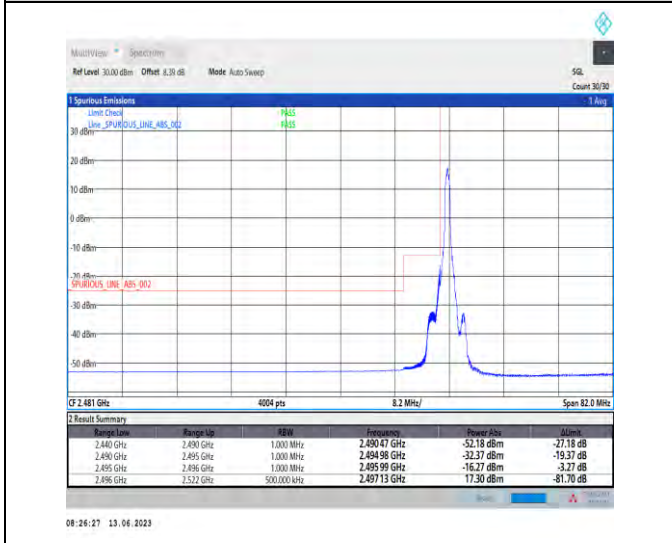
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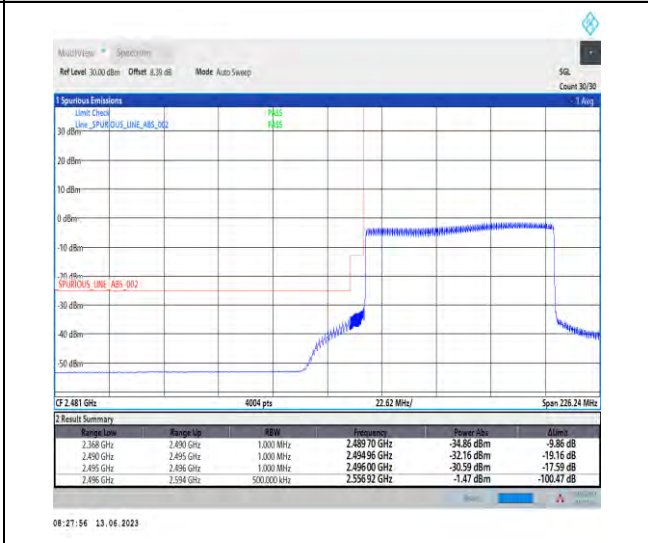
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1-N41-PC1.5-30-80-L-3-DFT-PI2BPSK-Outer_Full-2
 16@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-80-L-4-CP-QPSK-Edge_1RB_Left-1
 @0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-80-L-6-CP-QPSK-Outer_Full-217
 @0-Ant1-1--PASS-see graph



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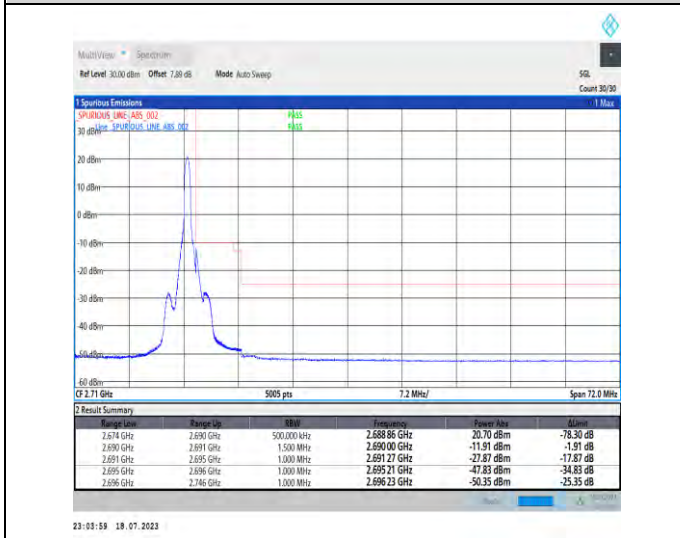
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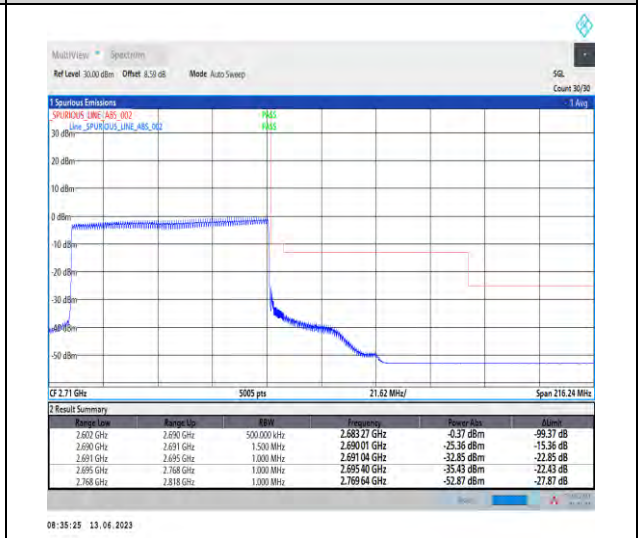
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1-N41-PC1.5-30-80-H-3-DFT-PI2BPSK-Outer_Full -216@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-80-H-5-CP-QPSK-Edge_1RB_Ri ght-1@216-Ant1-1--PASS-see graph

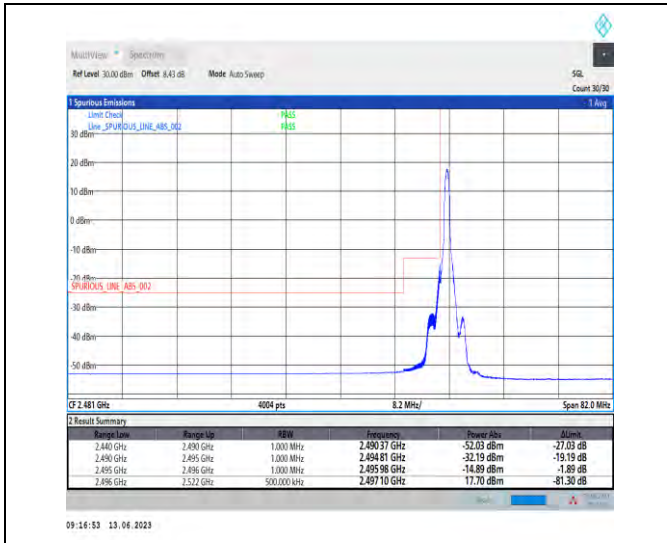


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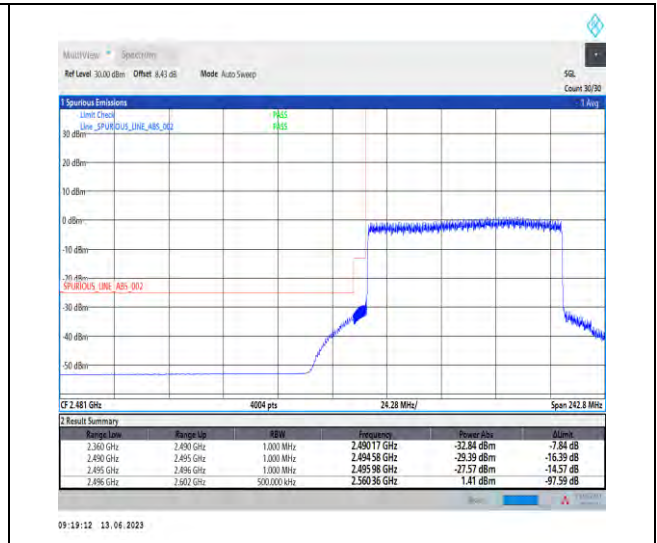


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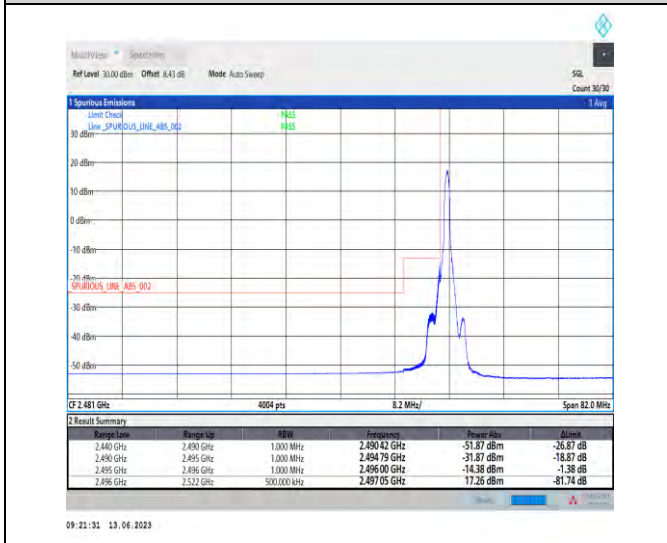
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1-N41-PC1.5-30-90-L-1-DFT-PI2BPSK-Edge_1RB_L
eft-1@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-90-L-3-DFT-PI2BPSK-Outer_Full-2
40@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-90-L-4-CP-QPSK-Edge_1RB_Left-1
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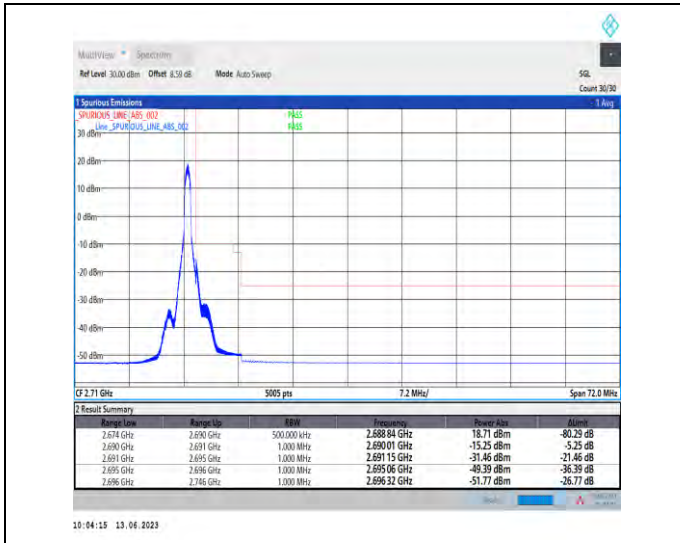


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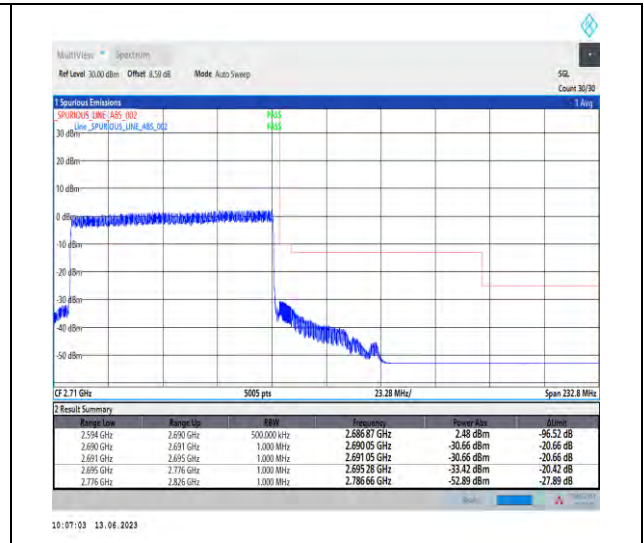


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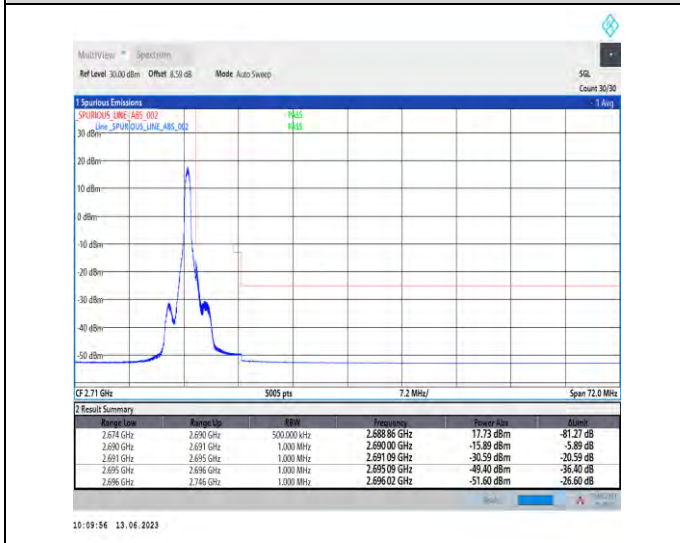
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1-N41-PC1.5-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Ri ght-1@244-Ant1-1--PASS-see graph



1-N41-PC1.5-30-90-H-3-DFT-PI2BPSK-Outer_Full -240@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-90-H-5-CP-QPSK-Edge_1RB_Ri ght-1 @244-Ant1-1--PASS-see graph

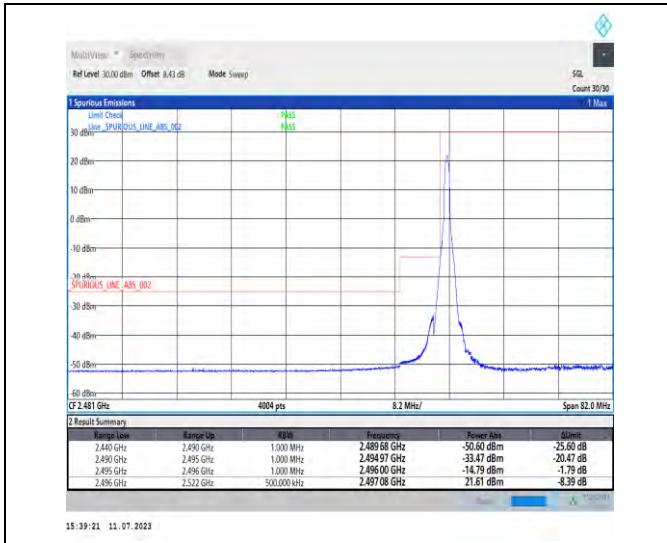


1-N41-PC1.5-30-90-H-6-CP-QPSK-Outer_Full-245 @0-Ant1-1--PASS-see graph

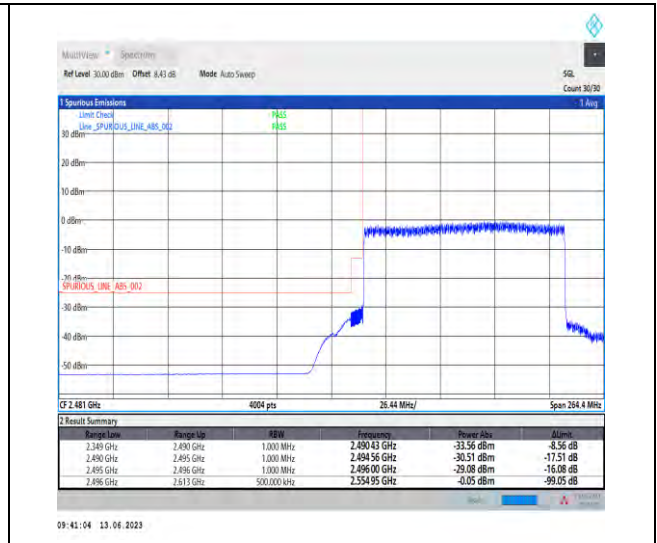


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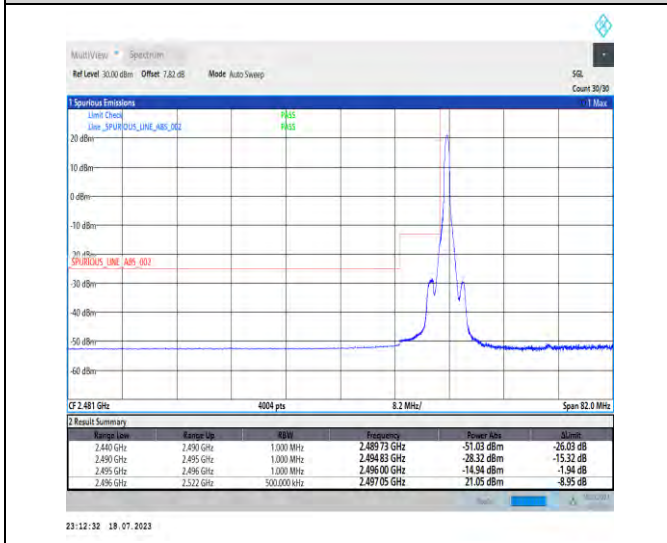
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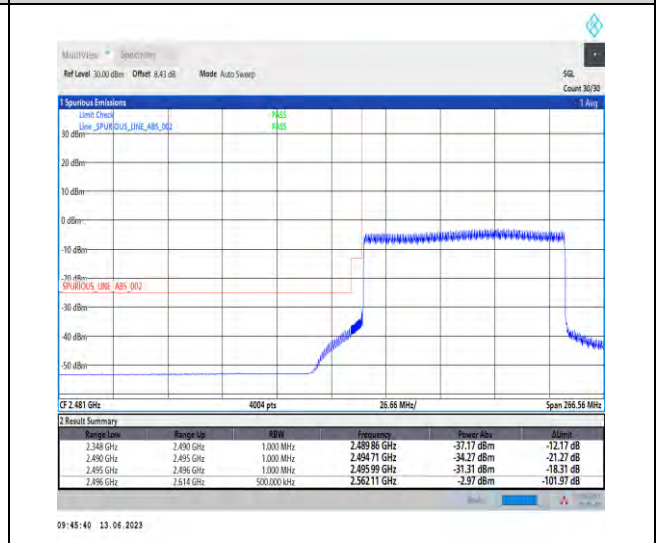
1-N41-PC1.5-30-100-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

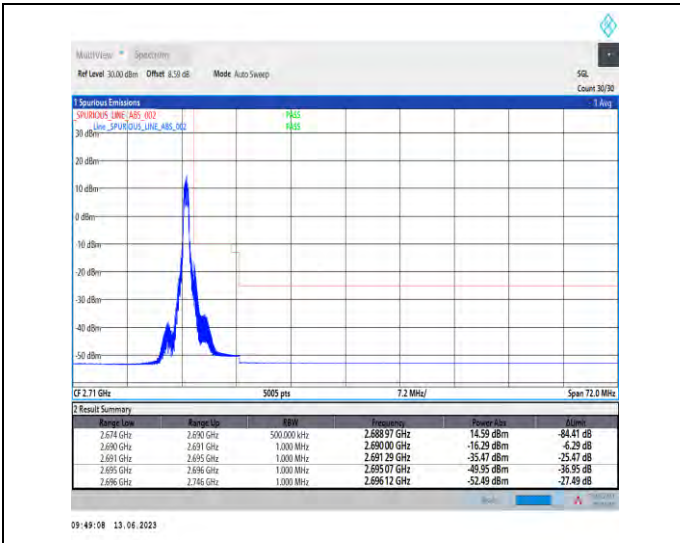


1-N41-PC1.5-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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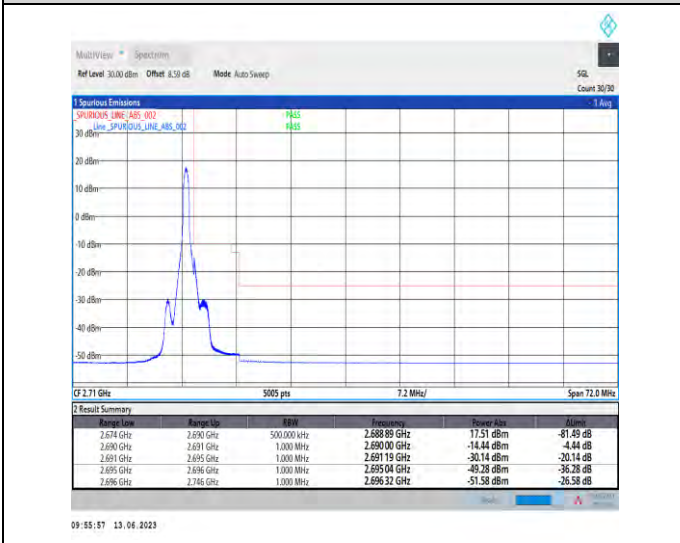
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1-N41-PC1.5-30-100-H-2-DFT-PI2BPSK-Edge_1RB_R
igt-1@272-Ant1-1--PASS-see graph



1-N41-PC1.5-30-100-H-3-DFT-PI2BPSK-Outer_Fu
II-270@0-Ant1-1--PASS-see graph



1-N41-PC1.5-30-100-H-5-CP-QPSK-Edge_1RB_Right-
1@272-Ant1-1--PASS-see graph



1-N41-PC1.5-30-100-H-6-CP-QPSK-Outer_Full-27
3@0-Ant1-1--PASS-see graph



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Conducted Spurious Emission for UL MIMO

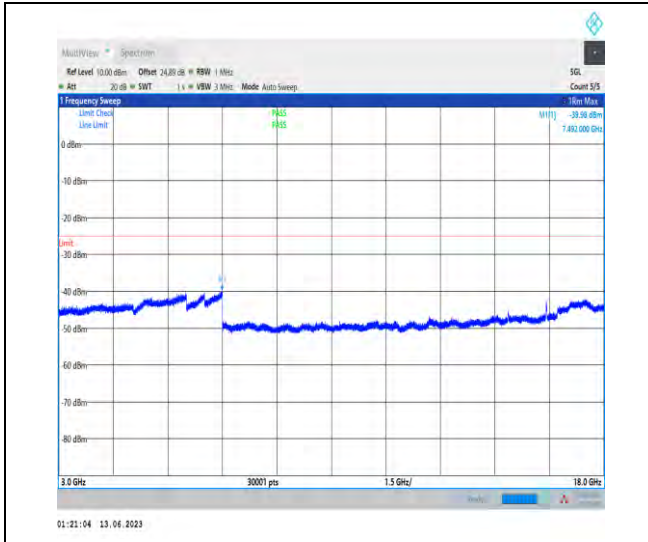
Test Graphs

<p>1-N41-PC1.5-30-100-L-1-N/A-DFT-QPSK-Edge_1R B_Left-1@0-0.009-0.15-Ant1-0.02--72.37--55-PASS</p>	<p>1-N41-PC1.5-30-100-L-1-N/A-DFT-QPSK-Edge_1RB _Left-1@0-0.15-30-Ant1-0.15--76.46--45-PASS</p>
<p>1-N41-PC1.5-30-100-L-1-N/A-DFT-QPSK-Edge_1R B_Left-1@0-30-1000-Ant1-32.62--68.58--35-PASS</p>	<p>1-N41-PC1.5-30-100-L-1-N/A-DFT-QPSK-Edge_1RB _Left-1@0-1000-3000-Ant1-2701.60--50.38--25-PASS</p>

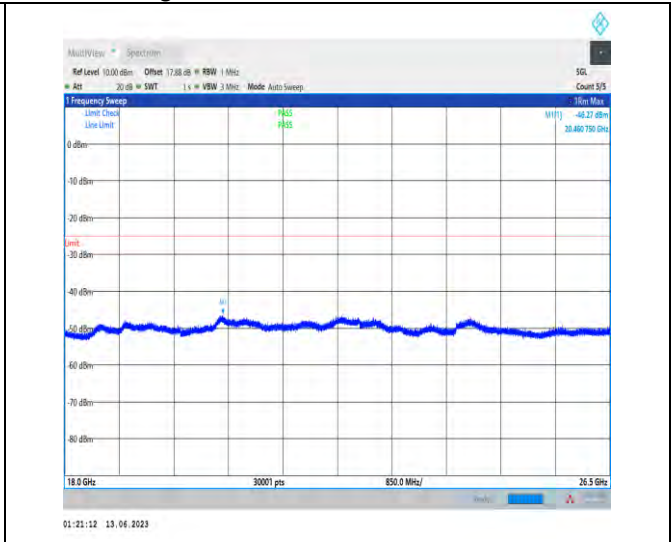


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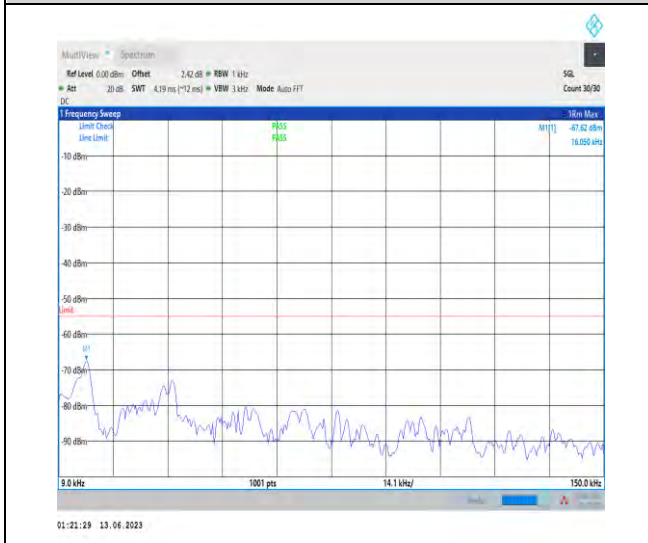
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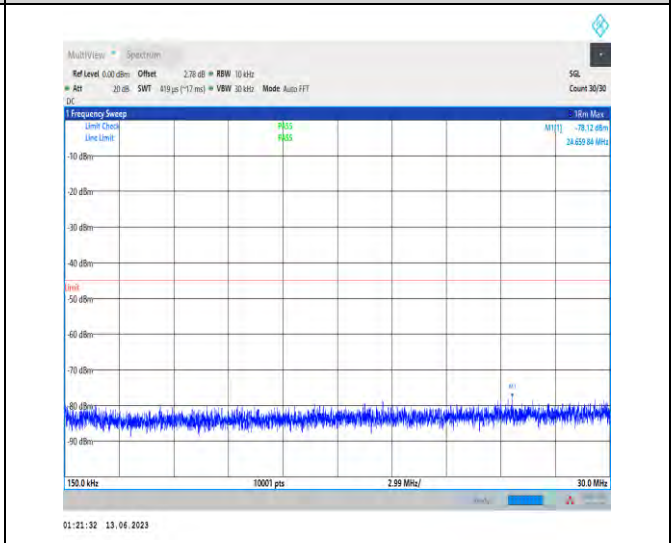
1-N41-PC1.5-30-100-L-1-N/A-DFT-QPSK-Edge_1R
B_Left-1@0-3000-18000-Ant1-7479.00--39.98--25-P
ASS



1-N41-PC1.5-30-100-L-1-N/A-DFT-QPSK-Edge_1RB
_Left-1@0-18000-26500-Ant1-22302.70--46.27--25-P
ASS



1-N41-PC1.5-30-100-M-1-N/A-DFT-QPSK-Edge_1R
B_Left-1@0-0.009-0.15-Ant1-0.02--67.62--55-PASS

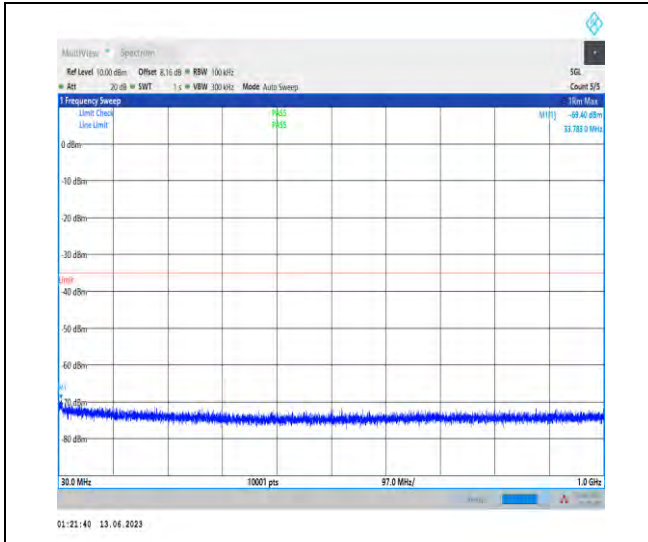


1-N41-PC1.5-30-100-M-1-N/A-DFT-QPSK-Edge_1R
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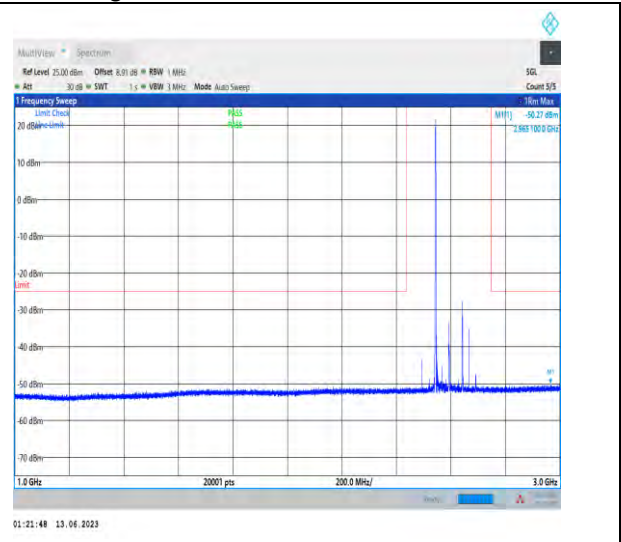


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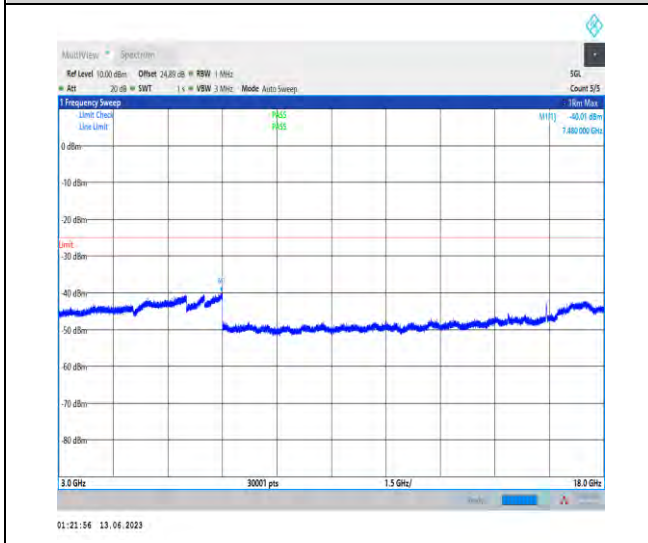
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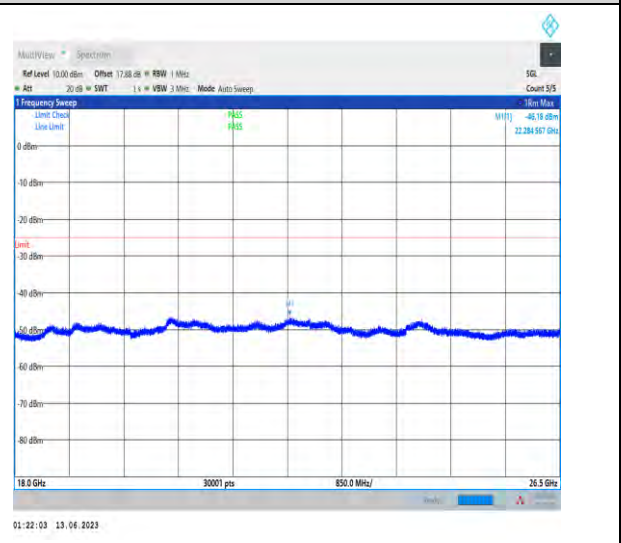
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B_Left-1@0-30-1000-Ant1-35.34--69.40--35-PASS



1-N41-PC1.5-30-100-M-1-N/A-DFT-QPSK-Edge_1R
B_Left-1@0-1000-3000-Ant1-2986.30--50.27--25-PA
SS



1-N41-PC1.5-30-100-M-1-N/A-DFT-QPSK-Edge_1R
B_Left-1@0-3000-18000-Ant1-7475.50--40.01--25-P
ASS

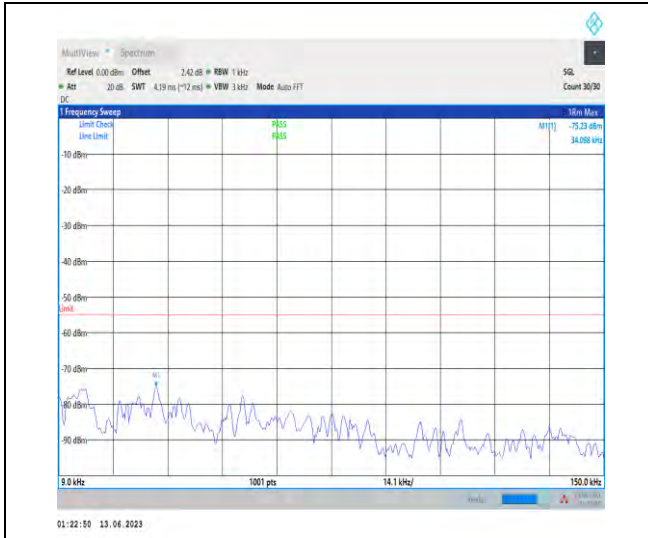


1-N41-PC1.5-30-100-M-1-N/A-DFT-QPSK-Edge_1R
B_Left-1@0-18000-26500-Ant1-20443.75--46.18--25-
PASS

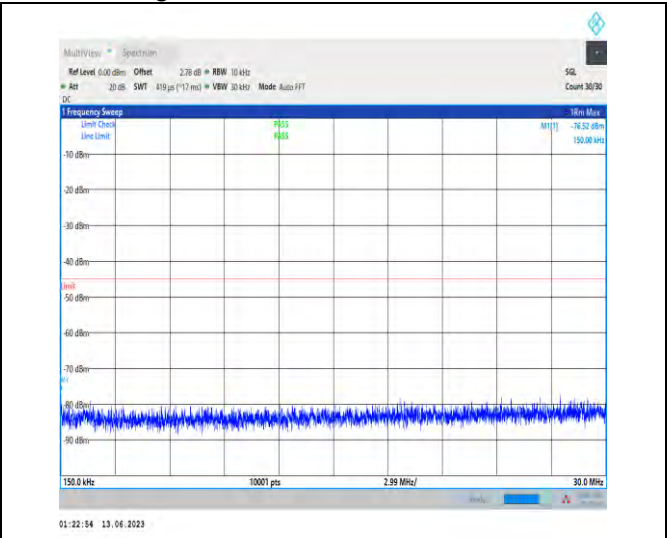


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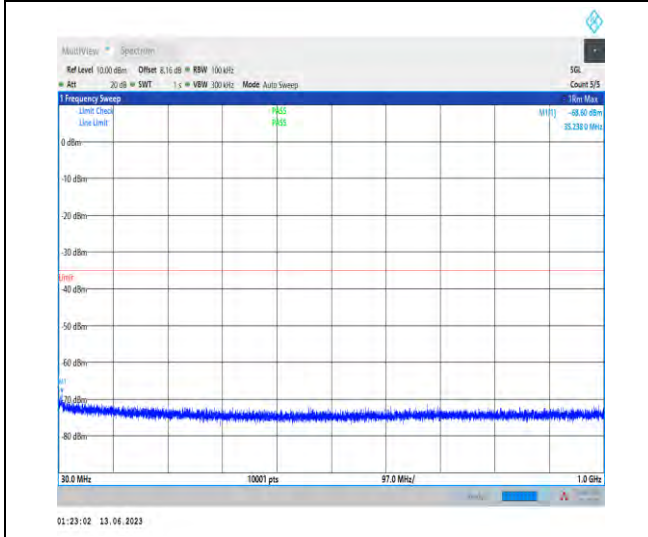
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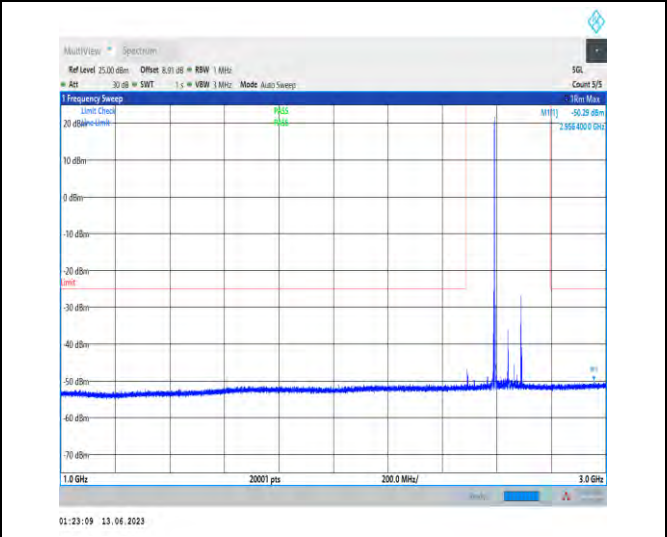
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1-N41-PC1.5-30-100-H-1-N/A-DFT-QPSK-Edge_1RB
_Left-1@0-0.15-30-Ant1-29.29--76.52--45-PASS



1-N41-PC1.5-30-100-H-1-N/A-DFT-QPSK-Edge_1R
B_Left-1@0-30-1000-Ant1-716.95--68.60--35-PASS



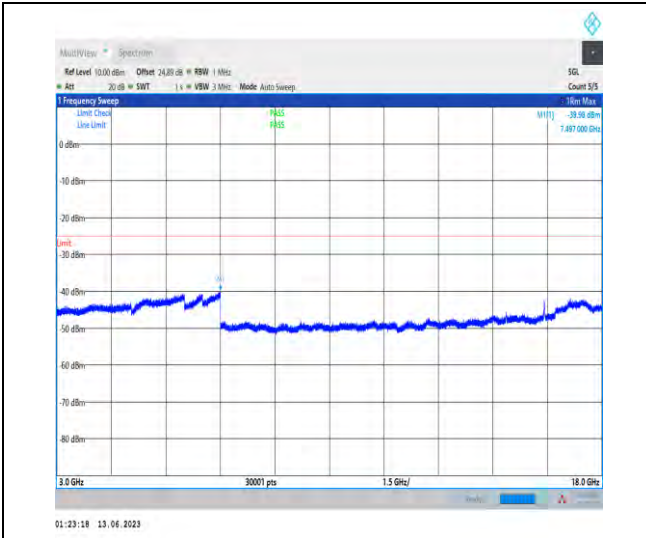
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_Left-1@0-1000-3000-Ant1-3000.00--50.29--25-PAS
S



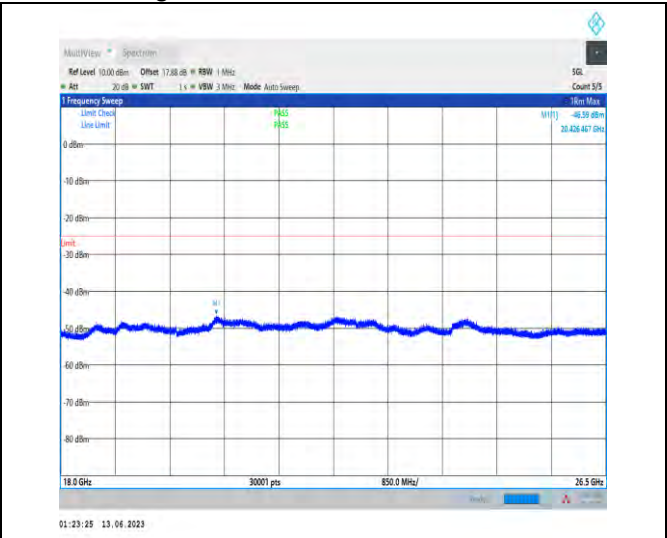
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B_Left-1@0-3000-18000-Ant1-7461.50--39.98--25-P
ASS



1-N41-PC1.5-30-100-H-1-N/A-DFT-QPSK-Edge_1RB
_Left-1@0-18000-26500-Ant1-20425.90--46.59--25-P
ASS



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Field Strength of Spurious Radiation

Test Band = 5G NR SA n41_ 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	5002.2000	40.89	-45.63	32.88	-67.12	-25.00	42.12	241	6	Horizontal
2	7503.3000	40.26	-43.13	36.44	-61.69	-25.00	36.69	156	2	Horizontal
3	10004.4000	37.86	-39.23	38.50	-58.14	-25.00	33.14	132	330	Horizontal
4	12505.5000	34.49	-36.99	39.18	-58.58	-25.00	33.58	168	286	Horizontal
5	15006.6000	33.07	-34.65	39.21	-57.63	-25.00	32.63	152	210	Horizontal
6	17507.7000	33.08	-34.95	39.22	-57.91	-25.00	32.91	178	224	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	5002.2000	40.70	-45.63	32.88	-67.31	-25.00	42.31	211	299	Vertical
2	7503.3000	40.52	-43.13	36.44	-61.43	-25.00	36.43	136	0	Vertical
3	10004.4000	36.13	-39.23	38.50	-59.87	-25.00	34.87	256	285	Vertical
4	12505.5000	34.39	-36.99	39.18	-58.68	-25.00	33.68	142	46	Vertical
5	15006.6000	32.66	-34.65	39.21	-58.04	-25.00	33.04	123	330	Vertical
6	17507.7000	32.66	-34.95	39.22	-58.33	-25.00	33.33	162	0	Vertical



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Report No.: SEWM2306000190RG02

Rev.: 01

Page: 126 of 140

Test Band = 5G NR SA n41_ 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	5096.1600	41.80	-45.38	32.93	-65.91	-25.00	40.91	254	0	Horizontal
2	7644.2400	40.55	-43.02	36.48	-61.25	-25.00	36.25	126	316	Horizontal
3	10192.3200	35.01	-39.47	38.80	-60.92	-25.00	35.92	136	316	Horizontal
4	12740.4000	33.91	-36.74	39.53	-58.56	-25.00	33.56	259	105	Horizontal
5	15288.4800	32.03	-34.36	38.84	-58.75	-25.00	33.75	145	196	Horizontal
6	17836.5600	34.29	-34.59	41.09	-54.47	-25.00	29.47	133	30	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	5096.1600	41.59	-45.38	32.93	-66.12	-25.00	41.12	245	60	Vertical
2	7644.2400	39.98	-43.02	36.48	-61.82	-25.00	36.82	211	44	Vertical
3	10192.3200	35.48	-39.47	38.80	-60.45	-25.00	35.45	136	196	Vertical
4	12740.4000	34.32	-36.74	39.53	-58.15	-25.00	33.15	256	136	Vertical
5	15288.4800	32.33	-34.36	38.84	-58.45	-25.00	33.45	129	0	Vertical
6	17836.5600	34.38	-34.59	41.09	-54.38	-25.00	29.38	198	180	Vertical



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Test Band = 5G NR SA n41_ 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	5190.1800	41.98	-45.29	32.98	-65.58	-25.00	40.58	215	163	Horizontal
2	7785.2700	40.36	-42.43	36.75	-60.57	-25.00	35.57	156	196	Horizontal
3	9407.25	38.52	-39.86	38.49	-58.11	-25.00	33.11	132	0	Horizontal
4	10380.3600	36.10	-39.03	38.86	-59.33	-25.00	34.33	159	2	Horizontal
5	12975.4500	33.59	-37.28	39.81	-59.14	-25.00	34.14	148	0	Horizontal
6	15570.5400	32.60	-35.08	38.48	-59.26	-25.00	34.26	175	1	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	5190.1800	41.35	-45.29	32.98	-66.21	-25.00	41.21	256	56	Vertical
2	7785.2700	39.81	-42.43	36.75	-61.12	-25.00	36.12	132	74	Vertical
3	8381.25	41.11	-41.56	37.31	-58.40	-25.00	33.40	188	329	Vertical
4	10380.3600	35.68	-39.03	38.86	-59.75	-25.00	34.75	145	148	Vertical
5	12975.4500	33.38	-37.28	39.81	-59.35	-25.00	34.35	169	255	Vertical
6	15570.5400	32.55	-35.08	38.48	-59.31	-25.00	34.31	192	226	Vertical



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Test Band = UL MIMO_n41_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	5002.2000	41.16	-45.63	31.41	-68.33	-25.00	43.33	154	254	Horizontal
2	7503.3000	37.52	-43.13	36.60	-64.27	-25.00	39.27	269	357	Horizontal
3	10004.4000	30.14	-39.23	38.20	-66.15	-25.00	41.15	124	182	Horizontal
4	12505.5000	24.29	-36.99	38.95	-69.01	-25.00	44.01	159	344	Horizontal
5	15006.6000	23.17	-34.65	41.29	-65.46	-25.00	40.46	256	0	Horizontal
6	17507.7000	24.77	-34.95	44.59	-60.85	-25.00	35.85	132	109	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	5002.2000	41.18	-45.63	31.41	-68.31	-25.00	43.31	258	339	Vertical
2	7503.3000	37.58	-43.13	36.60	-64.21	-25.00	39.21	112	360	Vertical
3	10004.4000	31.19	-39.23	38.20	-65.10	-25.00	40.10	103	360	Vertical
4	12505.5000	24.38	-36.99	38.95	-68.92	-25.00	43.92	154	287	Vertical
5	15006.6000	22.52	-34.65	41.29	-66.11	-25.00	41.11	169	360	Vertical
6	17507.7000	24.19	-34.95	44.59	-61.43	-25.00	36.43	231	304	Vertical



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Report No.: SEWM2306000190RG02

Rev.: 01

Page: 129 of 140

Test Band = UL MIMO_n41_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	5096.1600	41.11	-45.38	31.63	-67.90	-25.00	42.90	102	0	Horizontal
2	7644.2400	37.65	-43.01	36.66	-63.97	-25.00	38.97	169	234	Horizontal
3	10192.3200	29.38	-39.47	38.30	-67.06	-25.00	42.06	266	182	Horizontal
4	12740.4000	25.50	-36.74	39.02	-67.48	-25.00	42.48	158	270	Horizontal
5	15288.4800	23.89	-34.36	40.69	-65.04	-25.00	40.04	232	0	Horizontal
6	17836.5600	27.25	-34.59	46.07	-56.53	-25.00	31.53	147	199	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	5096.1600	40.84	-45.38	31.63	-68.17	-25.00	43.17	112	360	Vertical
2	7644.2400	37.59	-43.01	36.66	-64.03	-25.00	39.03	187	161	Vertical
3	10192.3200	29.42	-39.47	38.30	-67.02	-25.00	42.02	269	306	Vertical
4	12740.4000	25.89	-36.74	39.02	-67.09	-25.00	42.09	213	54	Vertical
5	15288.4800	24.17	-34.36	40.69	-64.76	-25.00	39.76	158	360	Vertical
6	17836.5600	27.76	-34.59	46.07	-56.02	-25.00	31.02	236	18	Vertical



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Report No.: SEWM2306000190RG02

Rev.: 01

Page: 130 of 140

Test Band = UL MIMO_n41_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	3805.5	42.84	-45.94	28.91	-69.45	-25.00	44.45	178	74	Horizontal
2	5190.1800	40.05	-45.29	31.86	-68.64	-25.00	43.64	269	328	Horizontal
3	7785.2700	36.47	-42.43	36.71	-64.50	-25.00	39.50	214	356	Horizontal
4	10380.3600	29.35	-39.03	38.39	-66.55	-25.00	41.55	145	356	Horizontal
5	12975.4500	25.78	-37.28	39.09	-67.66	-25.00	42.66	258	356	Horizontal
6	15570.5400	23.76	-35.08	40.10	-66.48	-25.00	41.48	165	356	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	3794	43.11	-45.89	28.89	-69.15	-25.00	44.15	112	358	Vertical
2	5190.1800	39.98	-45.29	31.86	-68.71	-25.00	43.71	187	340	Vertical
3	7785.2700	37.00	-42.43	36.71	-63.97	-25.00	38.97	265	178	Vertical
4	10380.3600	29.99	-39.03	38.39	-65.91	-25.00	40.91	154	360	Vertical
5	12975.4500	25.78	-37.28	39.09	-67.66	-25.00	42.66	232	53	Vertical
6	15570.5400	22.77	-35.08	40.10	-67.47	-25.00	42.47	145	108	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	5002.2000	41.81	-45.63	32.88	-66.20	-25.00	41.20	145	44	Horizontal
2	7503.3000	40.25	-43.13	36.44	-61.70	-25.00	36.70	165	0	Horizontal
3	10004.4000	37.03	-39.23	38.50	-58.97	-25.00	33.97	128	90	Horizontal
4	12505.5000	36.55	-36.99	39.18	-56.52	-25.00	31.52	175	166	Horizontal
5	15006.6000	35.36	-34.65	39.21	-55.34	-25.00	30.34	143	8	Horizontal
6	17507.7000	34.92	-34.95	39.22	-56.07	-25.00	31.07	236	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	5002.2000	41.49	-45.63	32.88	-66.52	-25.00	41.52	187	0	Vertical
2	7503.3000	40.86	-43.13	36.44	-61.09	-25.00	36.09	149	0	Vertical
3	10004.4000	37.03	-39.23	38.50	-58.97	-25.00	33.97	156	105	Vertical
4	12505.5000	36.45	-36.99	39.18	-56.62	-25.00	31.62	305	15	Vertical
5	15006.6000	35.94	-34.65	39.21	-54.76	-25.00	29.76	145	195	Vertical
6	17507.7000	35.59	-34.95	39.22	-55.40	-25.00	30.40	172	240	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	5096.1600	42.25	-45.38	32.93	-65.46	-25.00	40.46	152	180	Horizontal
2	7644.2400	40.11	-43.02	36.48	-61.69	-25.00	36.69	148	90	Horizontal
3	10192.3200	36.07	-39.47	38.80	-59.86	-25.00	34.86	176	90	Horizontal
4	12740.4000	35.43	-36.74	39.53	-57.04	-25.00	32.04	136	28	Horizontal
5	15288.4800	35.24	-34.36	38.84	-55.54	-25.00	30.54	259	270	Horizontal
6	17836.5600	36.82	-34.59	41.09	-51.94	-25.00	26.94	184	73	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	5096.1600	41.91	-45.38	32.93	-65.80	-25.00	40.80	245	256	Vertical
2	7644.2400	39.62	-43.02	36.48	-62.18	-25.00	37.18	177	208	Vertical
3	10192.3200	36.11	-39.47	38.80	-59.82	-25.00	34.82	142	356	Vertical
4	12740.4000	36.37	-36.74	39.53	-56.10	-25.00	31.10	156	42	Vertical
5	15288.4800	35.66	-34.36	38.84	-55.12	-25.00	30.12	138	286	Vertical
6	17836.5600	36.32	-34.59	41.09	-52.44	-25.00	27.44	192	0	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	4904.25	51.78	-45.53	32.61	-56.40	-25.00	31.40	245	226	Horizontal
2	5190.1800	42.18	-45.29	32.98	-65.38	-25.00	40.38	136	194	Horizontal
3	7785.2700	40.40	-42.43	36.75	-60.53	-25.00	35.53	258	165	Horizontal
4	10380.3600	36.95	-39.03	38.86	-58.48	-25.00	33.48	174	0	Horizontal
5	12975.4500	35.62	-37.28	39.81	-57.11	-25.00	32.11	169	103	Horizontal
6	15570.5400	35.79	-35.08	38.48	-56.07	-25.00	31.07	213	226	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	4992	46.10	-45.63	32.86	-61.93	-25.00	36.93	245	302	Vertical
2	5190.1800	43.09	-45.29	32.98	-64.47	-25.00	39.47	175	302	Vertical
3	7785.2700	40.01	-42.43	36.75	-60.92	-25.00	35.92	145	169	Vertical
4	10380.3600	36.97	-39.03	38.86	-58.46	-25.00	33.46	136	0	Vertical
5	12975.4500	36.18	-37.28	39.81	-56.55	-25.00	31.55	256	139	Vertical
6	15570.5400	35.54	-35.08	38.48	-56.32	-25.00	31.32	261	153	Vertical



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Test Band = 5G NR CA n41A-n66A_ 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	3422.1800	42.41	-46.28	29.45	-69.68	-25.00	44.68	245	301	Horizontal
2	5002.2000	40.84	-45.63	32.88	-67.17	-25.00	42.17	126	90	Horizontal
3	5002.2000	40.84	-45.63	32.88	-67.17	-25.00	42.17	135	90	Horizontal
4	5133.2700	41.05	-45.34	32.95	-66.60	-25.00	41.60	299	15	Horizontal
5	6844.3600	40.95	-44.14	35.89	-62.56	-25.00	37.56	148	118	Horizontal
6	7503.3000	40.26	-43.13	36.44	-61.69	-25.00	36.69	179	301	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	3422.1800	43.08	-46.28	29.45	-69.01	-25.00	44.01	236	120	Vertical
2	5002.2000	40.85	-45.63	32.88	-67.16	-25.00	42.16	244	148	Vertical
3	5002.2000	40.85	-45.63	32.88	-67.16	-25.00	42.16	169	148	Vertical
4	5133.2700	41.58	-45.34	32.95	-66.07	-25.00	41.07	166	286	Vertical
5	6844.3600	41.38	-44.14	35.89	-62.13	-25.00	37.13	129	0	Vertical
6	10004.4000	36.66	-39.23	38.50	-59.34	-25.00	34.34	192	240	Vertical



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Report No.: SEWM2306000190RG02

Rev.: 01

Page: 135 of 140

Test Band = 5G NR CA n41A-n66A_ 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	3472.1800	42.70	-46.27	29.50	-69.33	-25.00	44.33	244	58	Horizontal
2	5096.1600	41.71	-45.38	32.93	-66.00	-25.00	41.00	169	1	Horizontal
3	5208.2700	41.45	-45.26	32.98	-66.09	-25.00	41.09	154	0	Horizontal
4	6944.3600	41.07	-43.85	36.01	-62.03	-25.00	37.03	174	74	Horizontal
5	7644.2400	40.11	-43.02	36.48	-61.69	-25.00	36.69	185	43	Horizontal
6	10192.3200	35.87	-39.47	38.80	-60.06	-25.00	35.06	133	331	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	3472.1800	43.80	-46.27	29.50	-68.23	-25.00	43.23	156	330	Vertical
2	5096.1600	41.76	-45.38	32.93	-65.95	-25.00	40.95	142	114	Vertical
3	5208.2700	42.15	-45.26	32.98	-65.39	-25.00	40.39	136	176	Vertical
4	6944.3600	41.29	-43.85	36.01	-61.81	-25.00	36.81	266	205	Vertical
5	7644.2400	40.29	-43.02	36.48	-61.51	-25.00	36.51	291	264	Vertical
6	10192.3200	36.49	-39.47	38.80	-59.44	-25.00	34.44	155	356	Vertical



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Test Band = 5G NR CA n41A-n66A_ 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	3522.1800	43.35	-46.23	29.54	-68.60	-25.00	43.60	255	300	Horizontal
2	5190.1800	41.90	-45.29	32.98	-65.66	-25.00	40.66	145	16	Horizontal
3	5283.2700	41.46	-45.12	32.91	-66.01	-25.00	41.01	169	58	Horizontal
4	7044.3600	41.14	-43.85	36.20	-61.77	-25.00	36.77	188	0	Horizontal
5	7785.2700	40.11	-42.43	36.75	-60.82	-25.00	35.82	192	151	Horizontal
6	10380.3600	36.58	-39.03	38.86	-58.85	-25.00	33.85	134	151	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	3522.1800	42.75	-46.23	29.54	-69.20	-25.00	44.20	214	194	Vertical
2	5190.1800	42.29	-45.29	32.98	-65.27	-25.00	40.27	136	72	Vertical
3	5283.2700	42.08	-45.12	32.91	-65.39	-25.00	40.39	256	269	Vertical
4	7044.3600	41.01	-43.85	36.20	-61.90	-25.00	36.90	192	0	Vertical
5	7785.2700	40.72	-42.43	36.75	-60.21	-25.00	35.21	174	134	Vertical
6	10380.3600	36.81	-39.03	38.86	-58.62	-25.00	33.62	168	72	Vertical



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Test Band = 5G NR CA n41A-n71A_ 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	1328.1800	35.59	-24.80	25.61	-58.86	-25.00	33.86	133	40	Horizontal
2	1992.2700	36.38	-24.48	26.60	-56.76	-25.00	31.76	254	192	Horizontal
3	2656.3600	42.24	-22.84	28.21	-47.65	-25.00	22.65	169	183	Horizontal
4	5002.2000	41.81	-45.63	32.88	-66.20	-25.00	41.20	122	26	Horizontal
5	7503.3000	40.08	-43.13	36.44	-61.87	-25.00	36.87	145	346	Horizontal
6	10004.4000	37.28	-39.23	38.50	-58.72	-25.00	33.72	185	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	1328.1800	35.25	-24.80	25.61	-59.20	-25.00	34.20	236	347	Vertical
2	1992.2700	36.49	-24.48	26.60	-56.65	-25.00	31.65	251	359	Vertical
3	2656.3600	45.82	-22.84	28.21	-44.07	-25.00	19.07	148	252	Vertical
4	5002.2000	41.35	-45.63	32.88	-66.66	-25.00	41.66	156	166	Vertical
5	7503.3000	40.57	-43.13	36.44	-61.38	-25.00	36.38	211	150	Vertical
6	10004.4000	37.92	-39.23	38.50	-58.08	-25.00	33.08	199	8	Vertical



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Test Band = 5G NR CA n41A-n71A_ 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	1343.1800	35.21	-24.89	25.61	-59.33	-25.00	34.33	248	50	Horizontal
2	2014.7700	36.71	-24.43	26.69	-56.28	-25.00	31.28	153	201	Horizontal
3	2686.3600	38.10	-22.85	28.26	-51.74	-25.00	26.74	263	360	Horizontal
4	5096.1600	41.62	-45.38	32.93	-66.09	-25.00	41.09	216	196	Horizontal
5	7644.2400	40.12	-43.02	36.48	-61.68	-25.00	36.68	148	3	Horizontal
6	10192.3200	37.08	-39.47	38.80	-58.85	-25.00	33.85	175	257	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	1343.1800	35.17	-24.89	25.61	-59.37	-25.00	34.37	244	68	Vertical
2	2014.7700	36.48	-24.43	26.69	-56.51	-25.00	31.51	156	20	Vertical
3	2686.3600	39.59	-22.85	28.26	-50.25	-25.00	25.25	126	189	Vertical
4	5096.1600	41.89	-45.38	32.93	-65.82	-25.00	40.82	299	285	Vertical
5	7644.2400	40.50	-43.02	36.48	-61.30	-25.00	36.30	184	75	Vertical
6	10192.3200	36.15	-39.47	38.80	-59.78	-25.00	34.78	175	195	Vertical



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Test Band = 5G NR CA n41A-n71A_ 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	1358.1800	35.35	-24.98	25.61	-59.28	-25.00	34.28	233	151	Horizontal
2	2037.2700	36.83	-24.37	26.77	-56.03	-25.00	31.03	256	80	Horizontal
3	2716.3600	37.75	-22.80	28.32	-51.99	-25.00	26.99	145	151	Horizontal
4	5190.1800	41.64	-45.29	32.98	-65.92	-25.00	40.92	129	270	Horizontal
5	7785.2700	40.56	-42.43	36.75	-60.37	-25.00	35.37	133	181	Horizontal
6	10380.3600	36.14	-39.03	38.86	-59.29	-25.00	34.29	148	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	1358.1800	35.38	-24.98	25.61	-59.25	-25.00	34.25	236	120	Vertical
2	2037.2700	36.51	-24.37	26.77	-56.35	-25.00	31.35	256	80	Vertical
3	2716.3600	37.73	-22.80	28.32	-52.01	-25.00	27.01	142	49	Vertical
4	5190.1800	42.04	-45.29	32.98	-65.52	-25.00	40.52	132	196	Vertical
5	7785.2700	40.14	-42.43	36.75	-60.79	-25.00	35.79	122	346	Vertical
6	10380.3600	36.67	-39.03	38.86	-58.76	-25.00	33.76	155	0	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 UL MIMO

Test Result

Frequency Error VS. Voltage

Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.300000	-0.000360	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-0.600000	-0.000053	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-1.200000	-0.000363	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VH	NT	-1.500000	-0.000642	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VN	NT	-1.500000	-0.000642	PASS
N41	30	100	CP-QPSK	M	Outer_Full	VL	NT	-7.200000	-0.003526	PASS

Frequency Error VS. 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	-0.600000	-0.000231	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-0.600000	-0.000065	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-1.500000	-0.000421	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.500000	-0.000762	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-0.800000	-0.000163	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	0.800000	0.000226	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.800000	-0.000662	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	2.400000	0.000863	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	0.700000	0.000157	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-30	-7.200000	-0.002833	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-20	2.500000	0.000868	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	-10	-2.700000	-0.001032	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	0	-1.200000	-0.000378	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	10	-7.600000	-0.002863	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	20	-2.500000	-0.001032	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	30	-7.700000	-0.002833	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	40	-1.500000	-0.000665	PASS
N41	30	100	CP-QPSK	M	Outer_Full	NV	50	1.300000	0.000642	PASS

---End of Attachment---



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