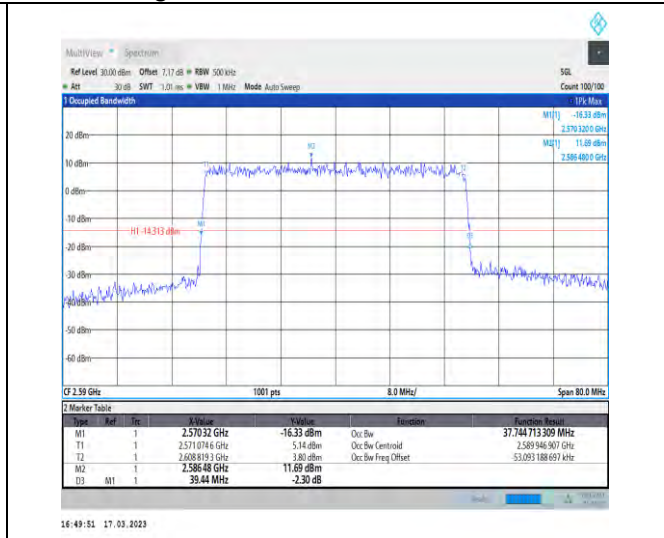


1-N38-30-40-L-8-CP-64QAM-Outer_Full-106@0-Ant
1-37.726-39.520-≤40-PASS



1-N38-30-40-L-9-CP-256QAM-Outer_Full-106@0-An
t1-37.745-39.440-≤40-PASS



1-N38-30-40-M-1-DFT-QPSK-Outer_Full-100@0-Ant
1-35.763-37.280-≤40-PASS



1-N38-30-40-M-2-DFT-PI2BPSK-Outer_Full-100@0-Ant
Ant1-35.854-37.360-≤40-PASS



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1-N38-30-40-M-3-DFT-16QAM-Outer_Full-100@0-A
nt1-35.778-37.440-≤40-PASS



1-N38-30-40-M-4-DFT-64QAM-Outer_Full-100@0-A
nt1-35.673-37.200-≤40-PASS



1-N38-30-40-M-5-DFT-256QAM-Outer_Full-100@0-A
Ant1-35.72-37.200-≤40-PASS

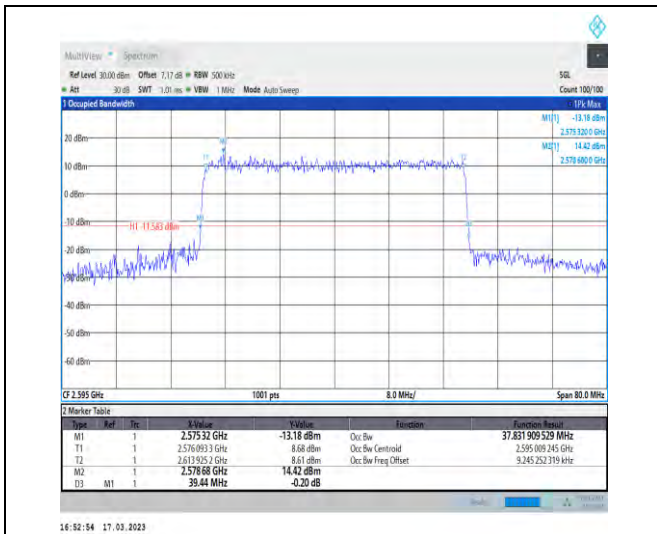


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-37.879-39.360-≤40-PASS

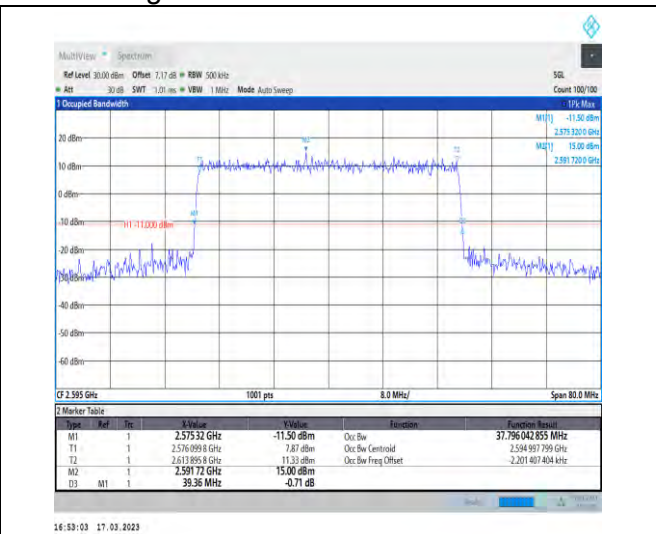


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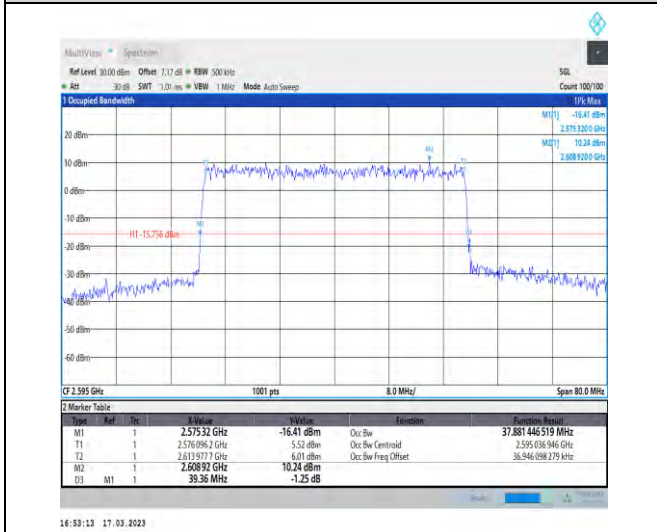
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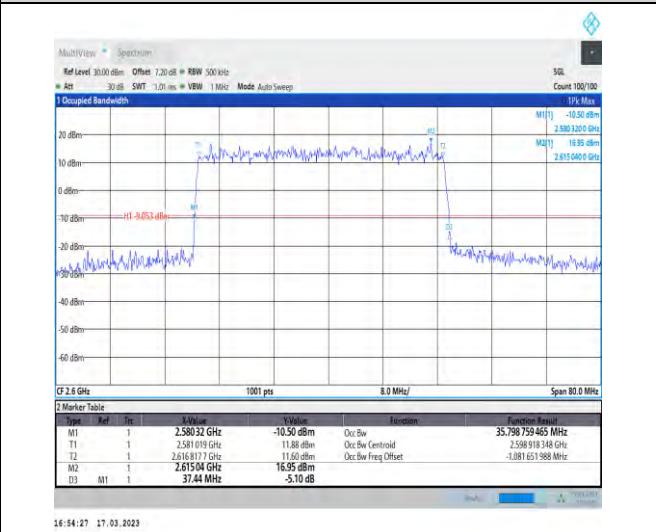
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 t1-37.832-39.440-≤40-PASS



1-N38-30-40-M-8-CP-64QAM-Outer_Full-106@0-Ant
 1-37.796-39.360-≤40-PASS

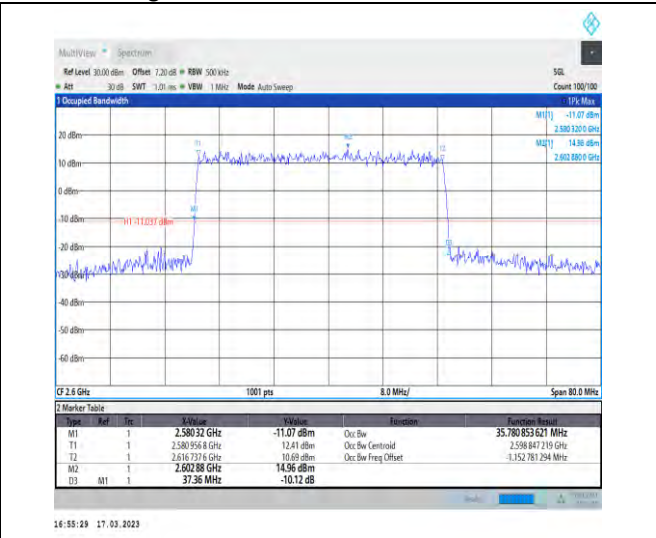


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 nt1-37.881-39.360-≤40-PASS



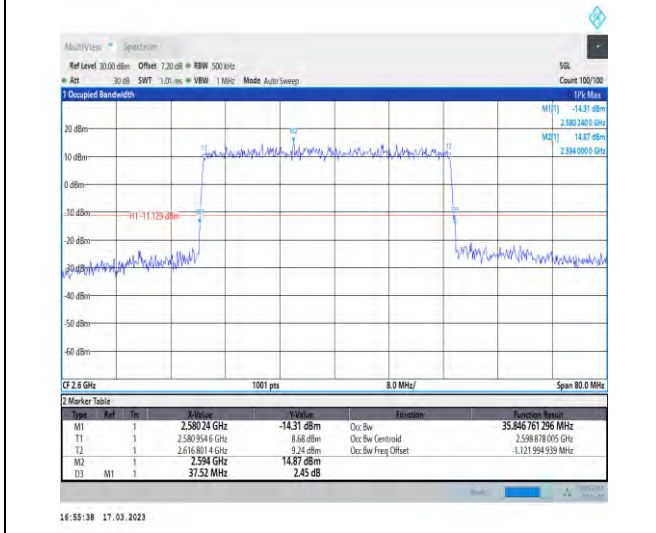
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 1-35.799-37.440-≤40-PASS





1-N38-30-40-H-2-DFT-PI2BPSK-Outer_Full-100@0-Ant1-35.786-37.520-≤40-PASS

1-N38-30-40-H-3-DFT-16QAM-Outer_Full-100@0-Ant1-35.781-37.360-≤40-PASS



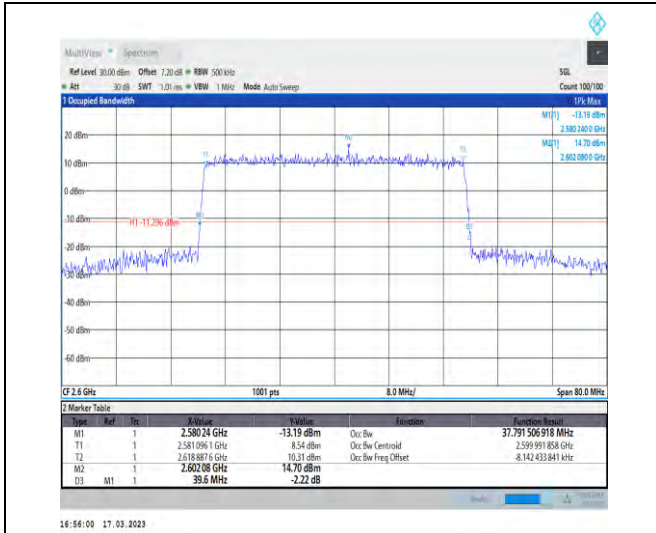
1-N38-30-40-H-4-DFT-64QAM-Outer_Full-100@0-Ant1-35.847-37.520-≤40-PASS

1-N38-30-40-H-5-DFT-256QAM-Outer_Full-100@0-Ant1-35.836-37.680-≤40-PASS

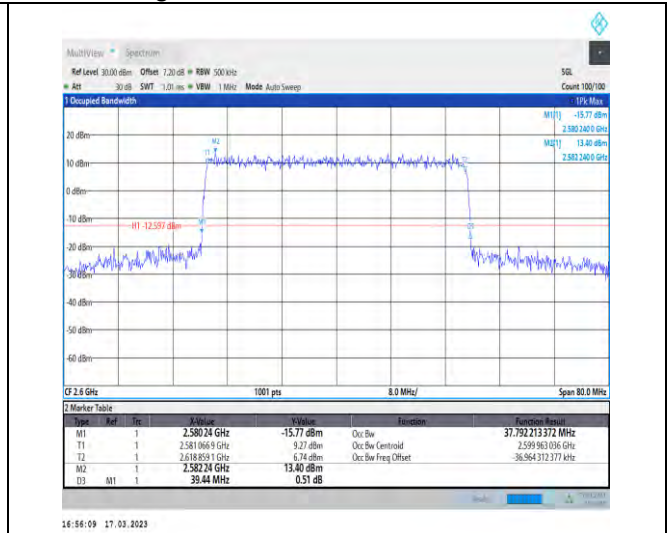


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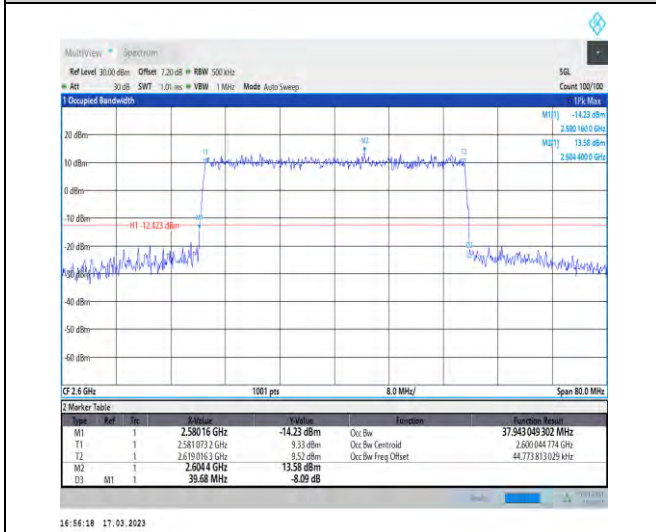
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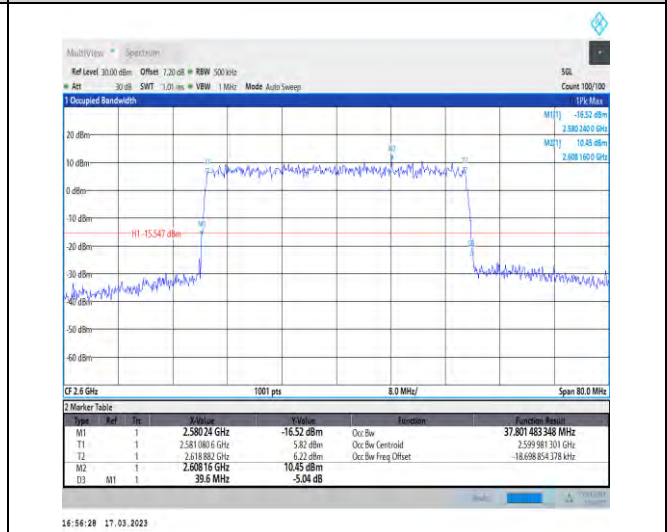
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-37.792-39.600-≤40-PASS



1-N38-30-40-H-7-CP-16QAM-Outer_Full-106@0-Ant1
-37.792-39.440-≤40-PASS



1-N38-30-40-H-8-CP-64QAM-Outer_Full-106@0-Ant1
-37.943-39.680-≤40-PASS



1-N38-30-40-H-9-CP-256QAM-Outer_Full-106@0-Ant1
-37.801-39.600-≤40-PASS

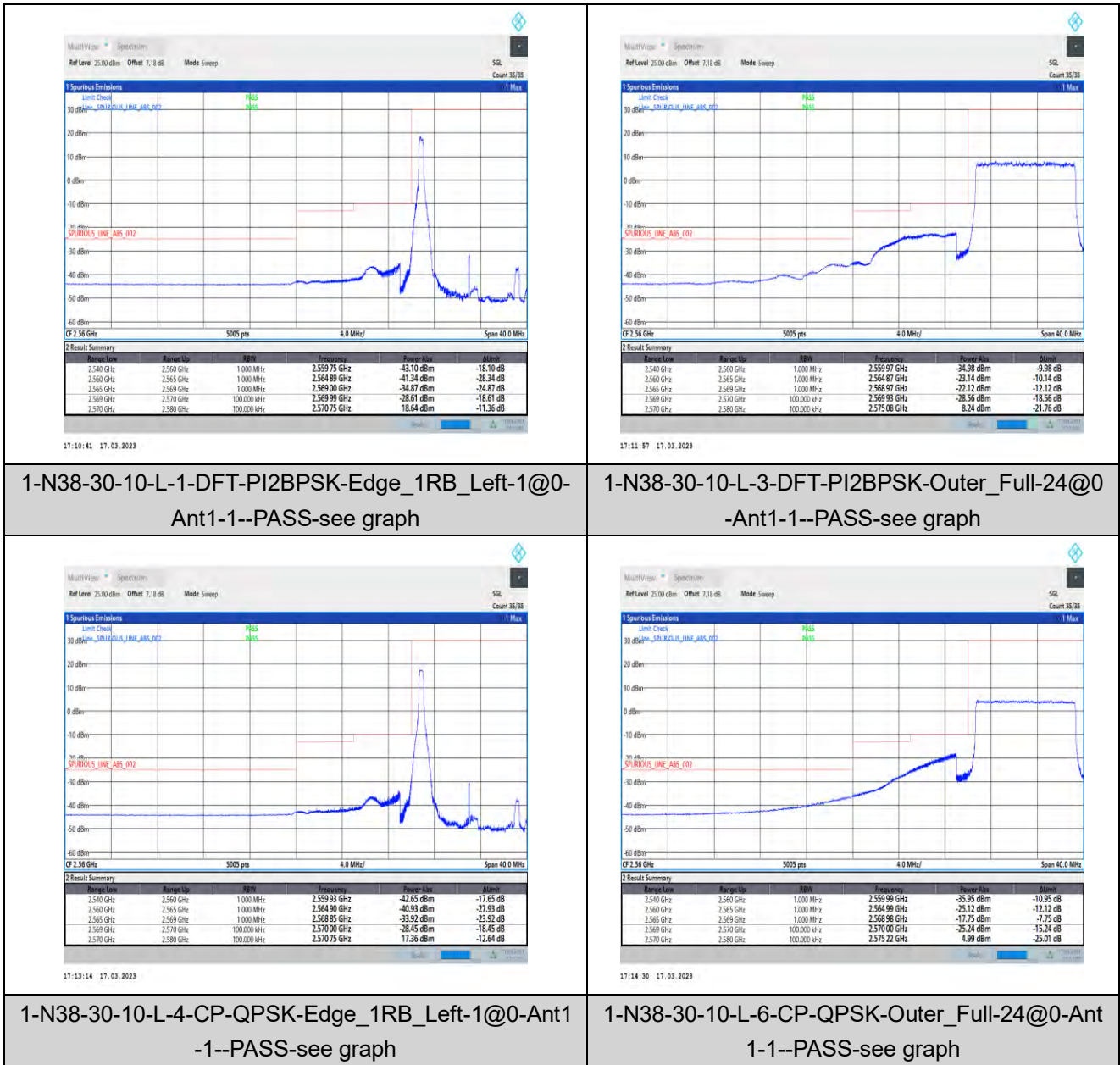


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Band Edge for SA

Test Graphs



1-N38-30-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N38-30-10-L-3-DFT-PI2BPSK-Outer_Full-24@0-Ant1-1--PASS-see graph

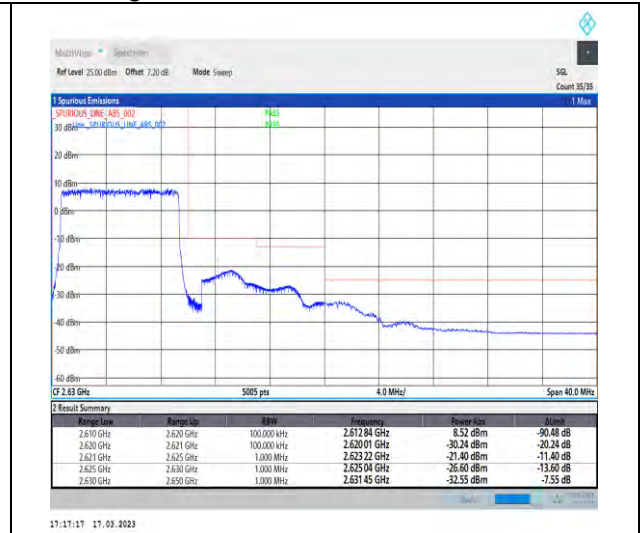
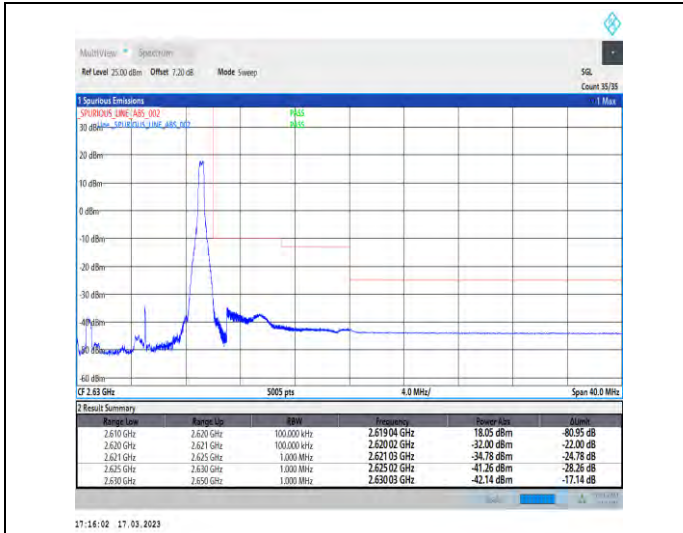
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1-N38-30-10-L-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph



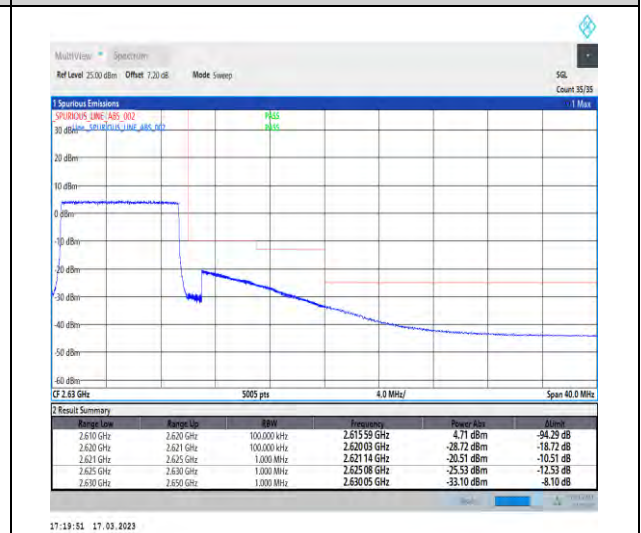
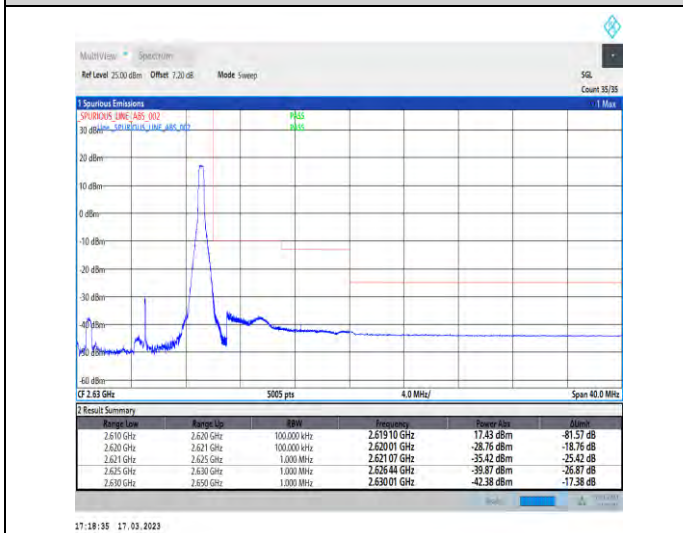
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1-N38-30-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@23-Ant1-1--PASS-see graph

1-N38-30-10-H-3-DFT-PI2BPSK-Outer_Full-24@0-Ant1-1--PASS-see graph



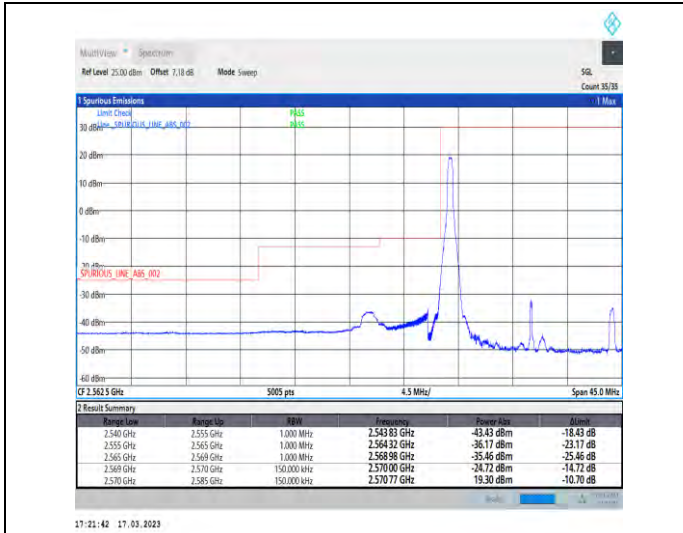
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1-N38-30-10-H-6-CP-QPSK-Outer_Full-24@0-Ant1-1--PASS-see graph



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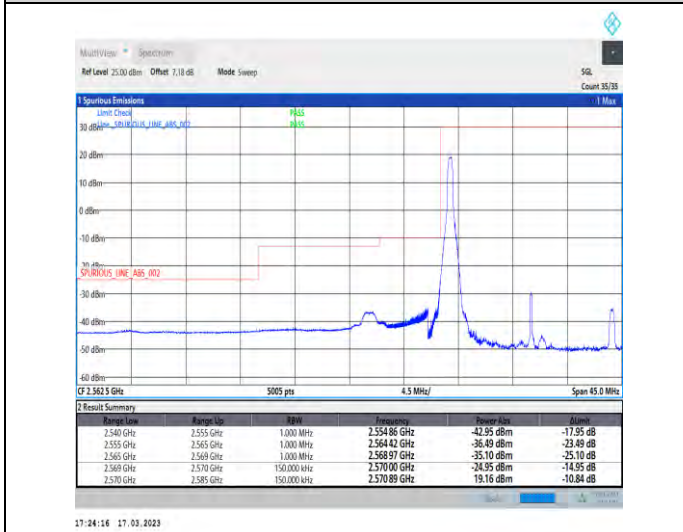
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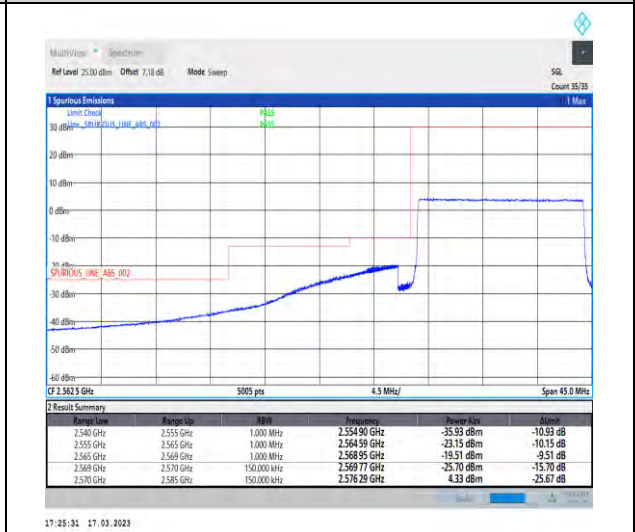
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1-N38-30-15-L-3-DFT-PI2BPSK-Outer_Full-36@0-Ant1-1--PASS-see graph



1-N38-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

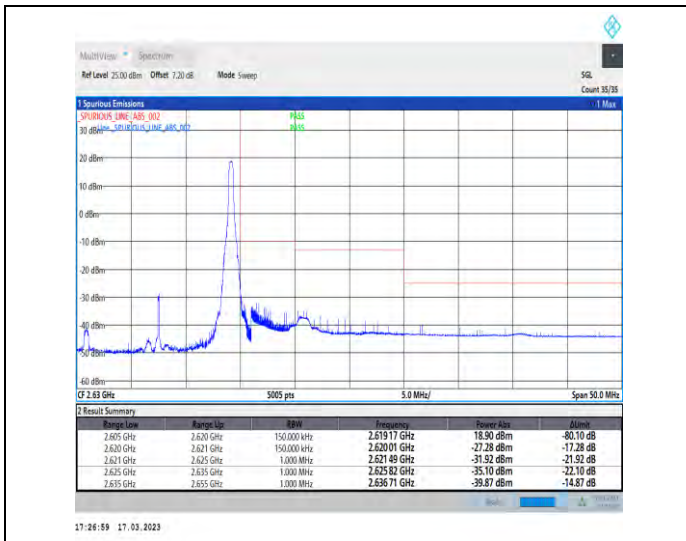


1-N38-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1-1--PASS-see graph



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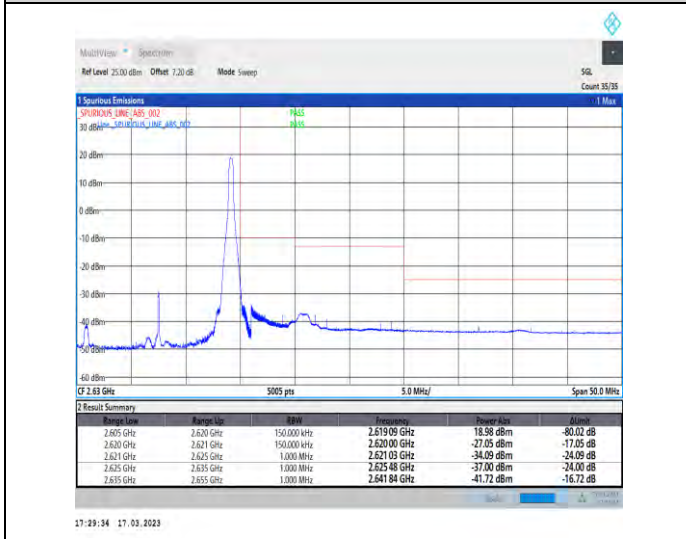
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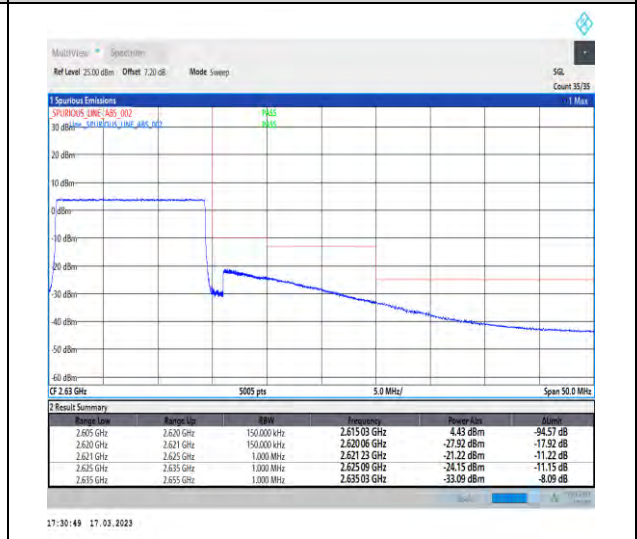
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1-N38-30-15-H-3-DFT-PI2BPSK-Outer_Full-36@0-Ant1-1--PASS-see graph



1-N38-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant1-1--PASS-see graph

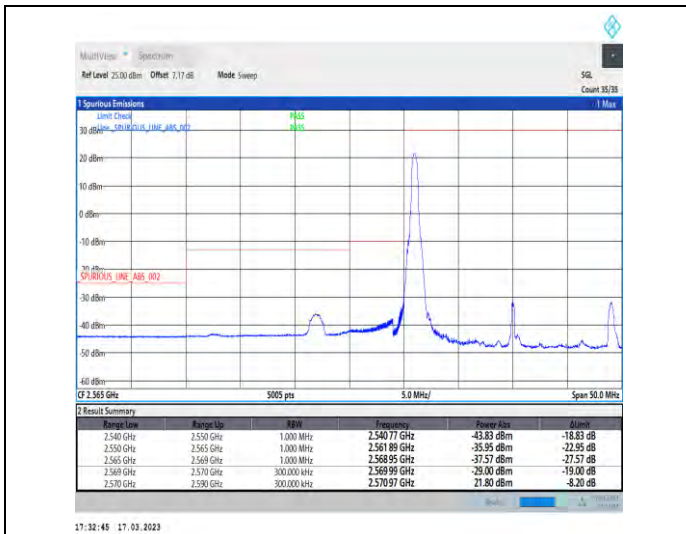


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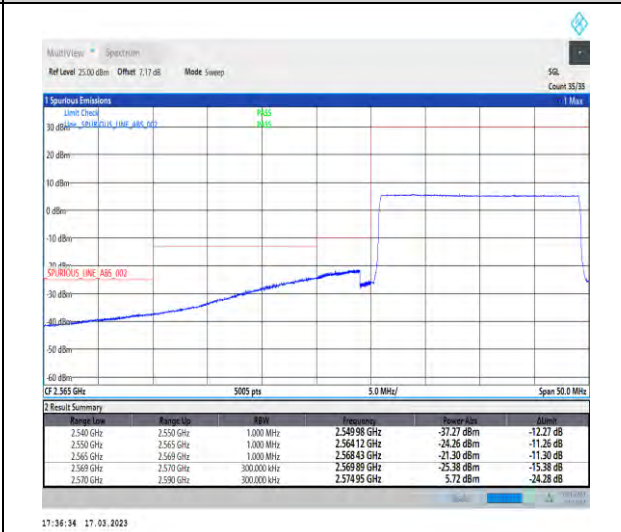
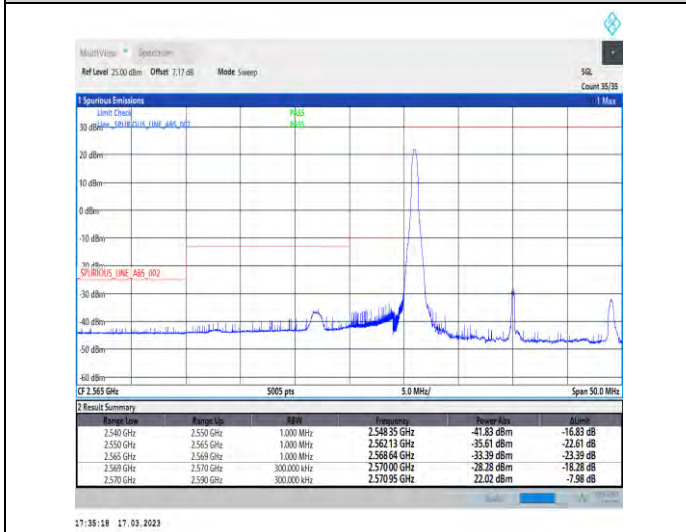
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1-N38-30-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

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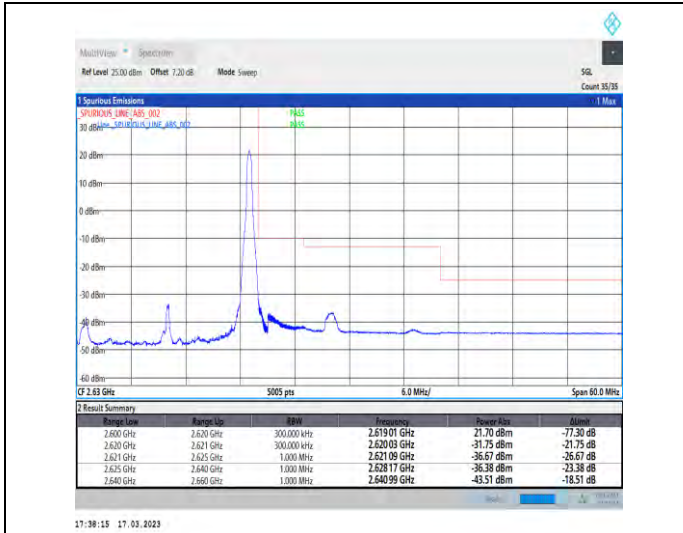
1-N38-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph



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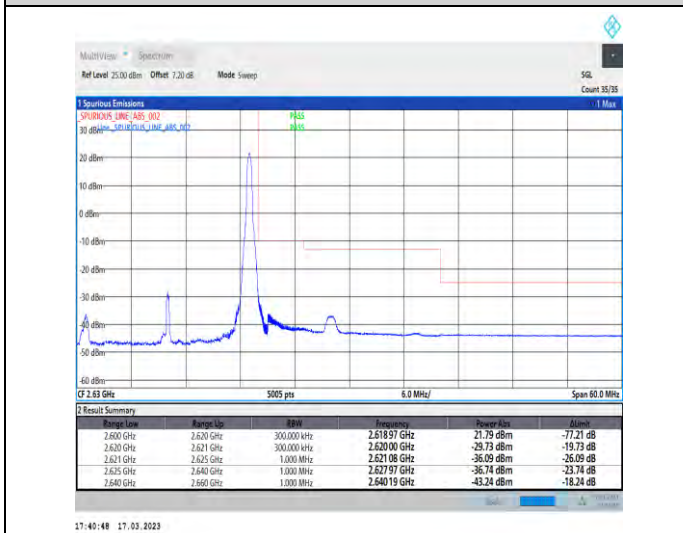
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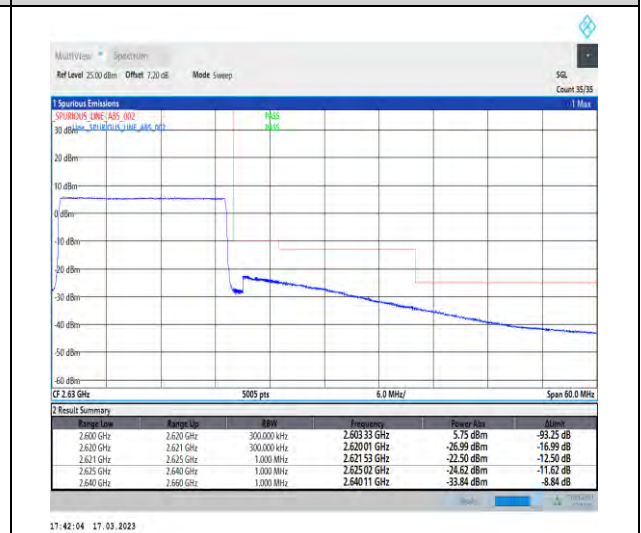
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1-N38-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N38-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph

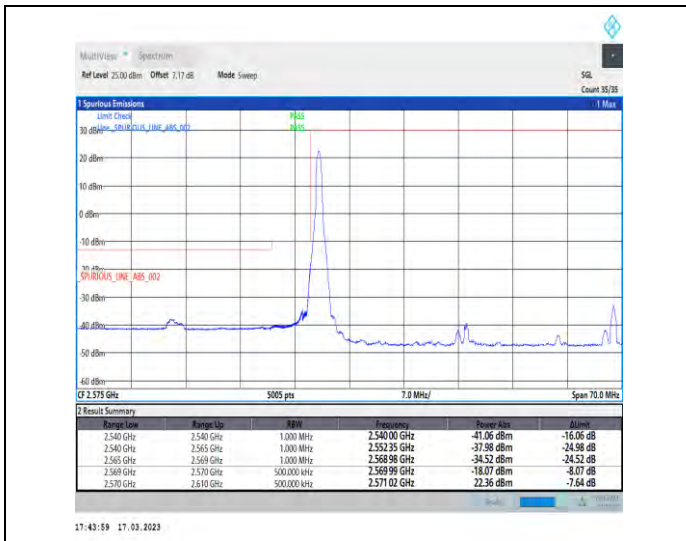


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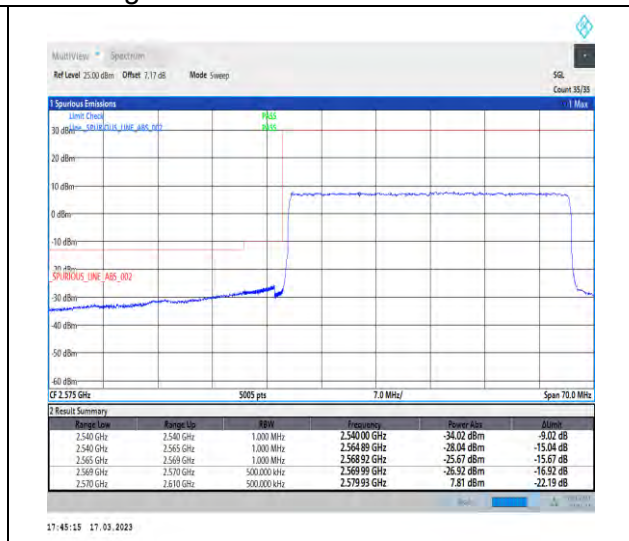


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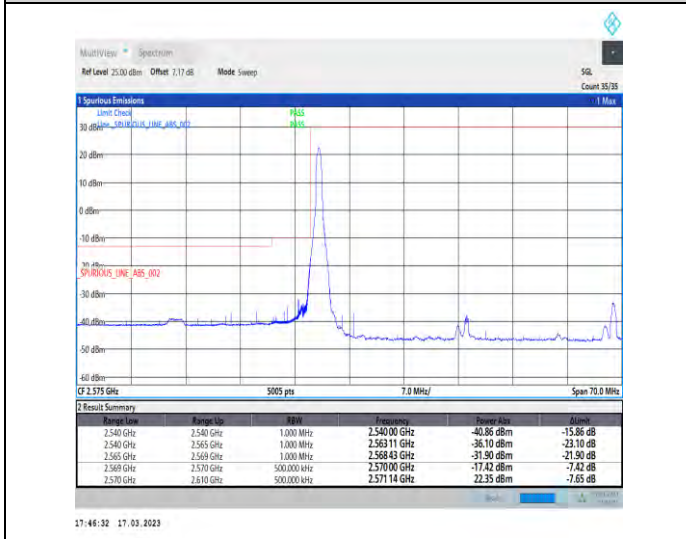
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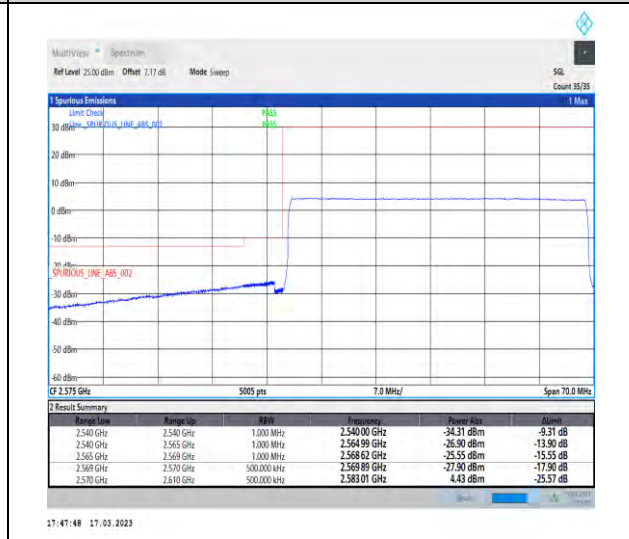
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1-N38-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph

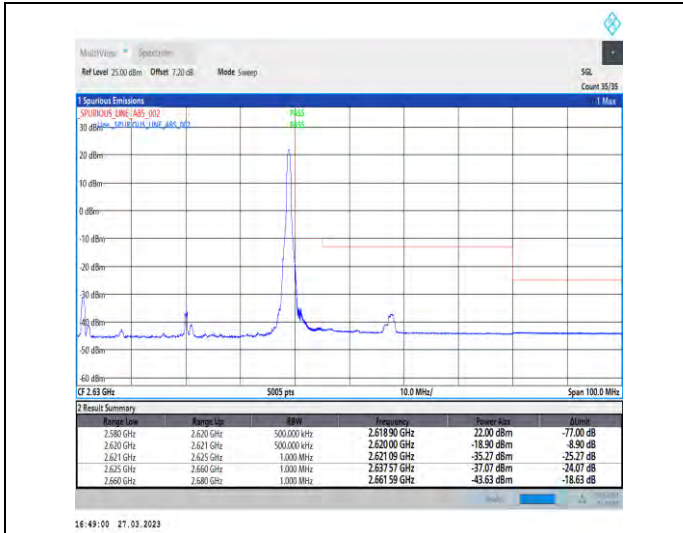


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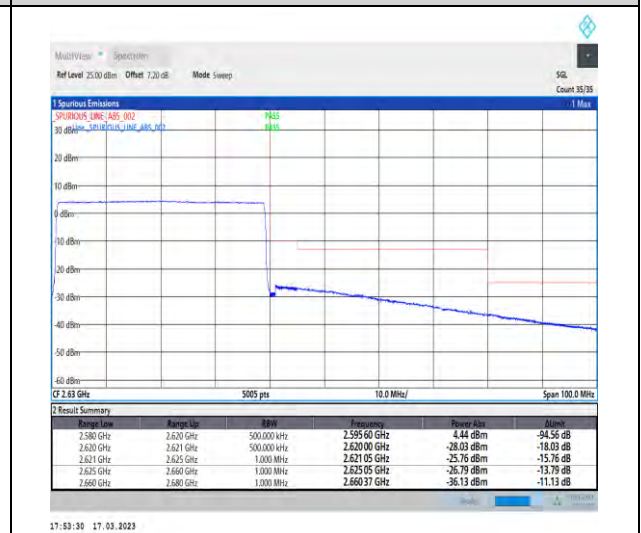
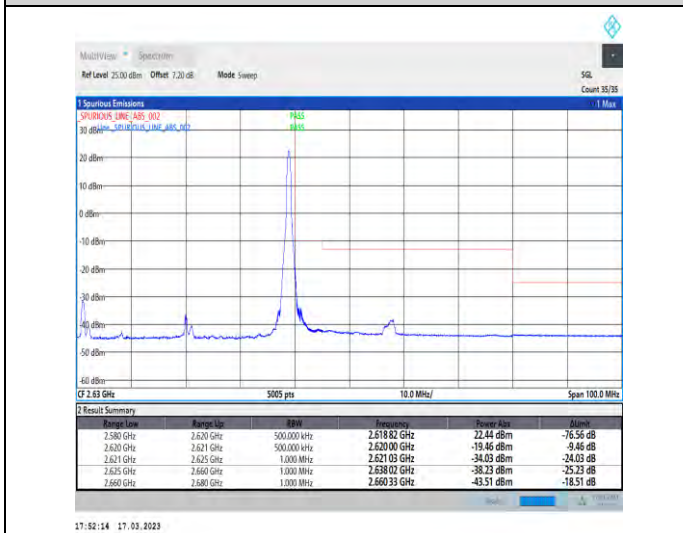
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1-N38-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N38-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph

1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

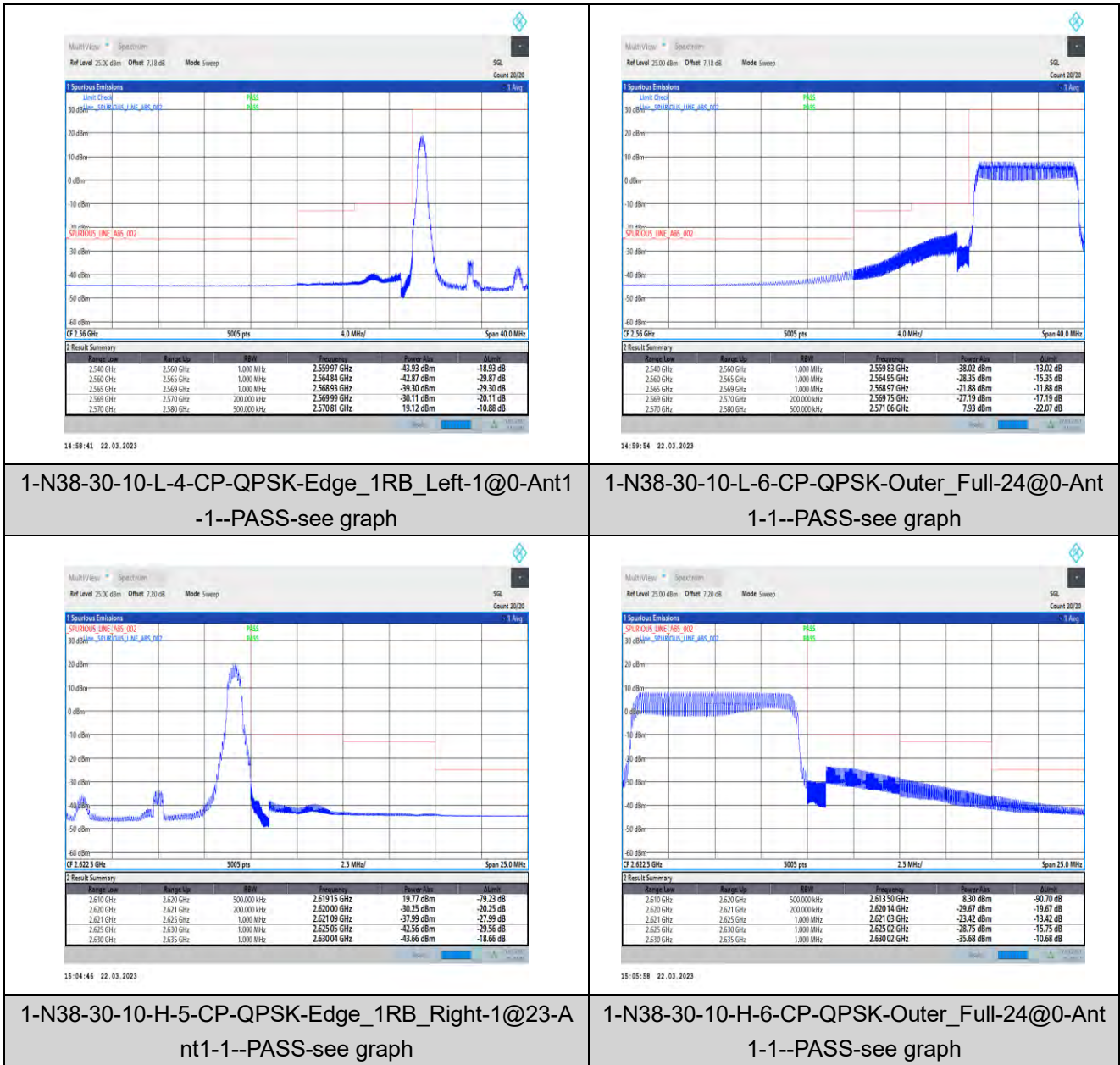


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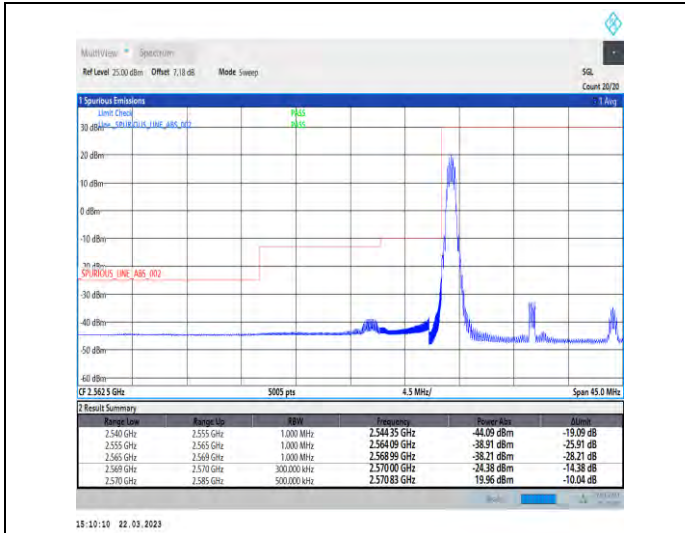
Band Edge for MIMO

Test Graphs

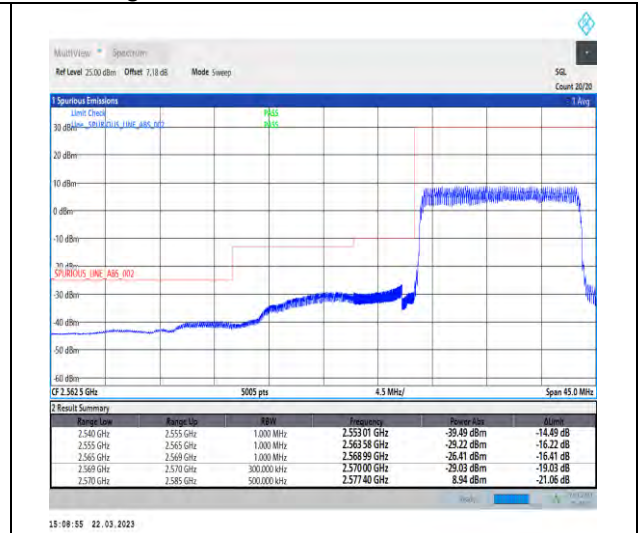


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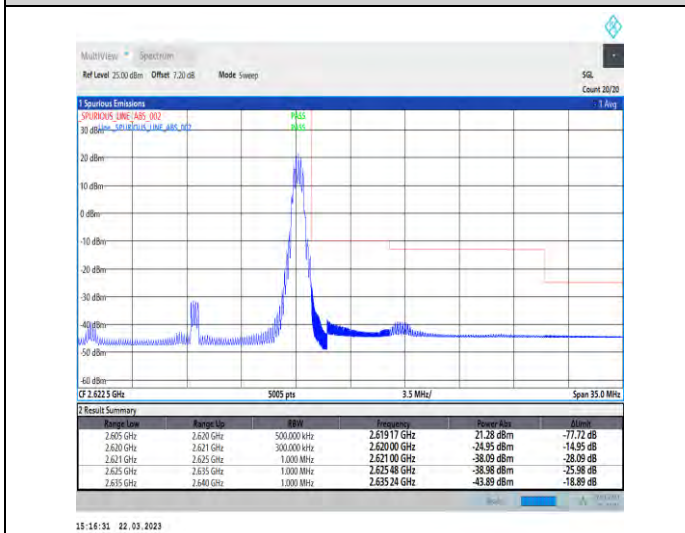
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1-N38-30-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1
-1--PASS-see graph



1-N38-30-15-L-6-CP-QPSK-Outer_Full-38@0-Ant1
-1--PASS-see graph



1-N38-30-15-H-5-CP-QPSK-Edge_1RB_Right-1@37-Ant1
-1--PASS-see graph

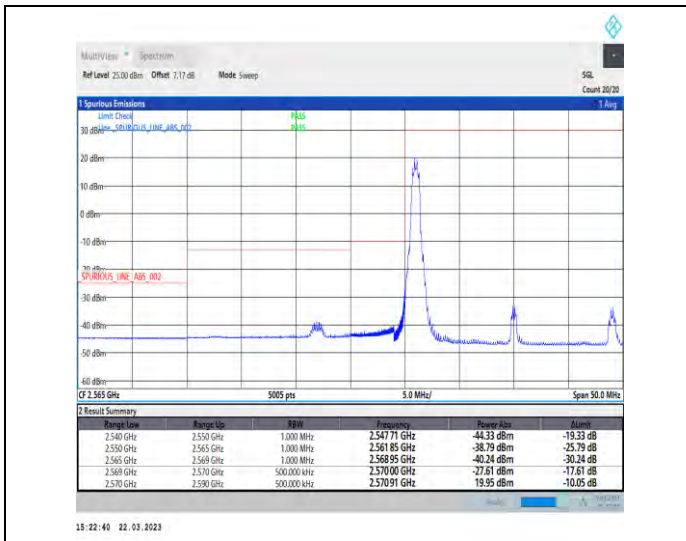


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-1--PASS-see graph

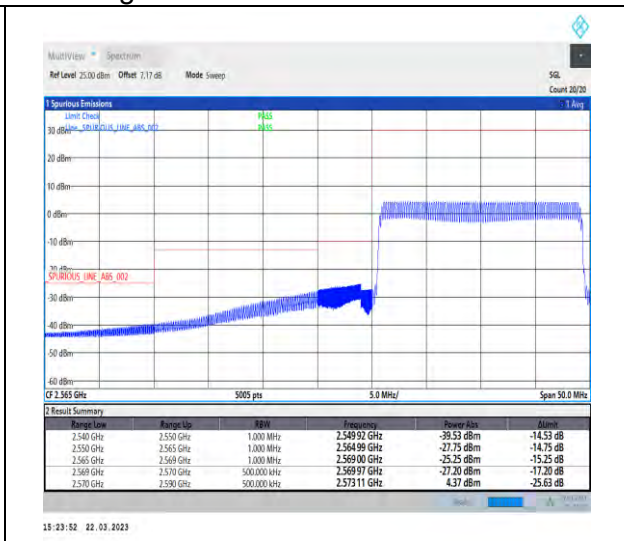


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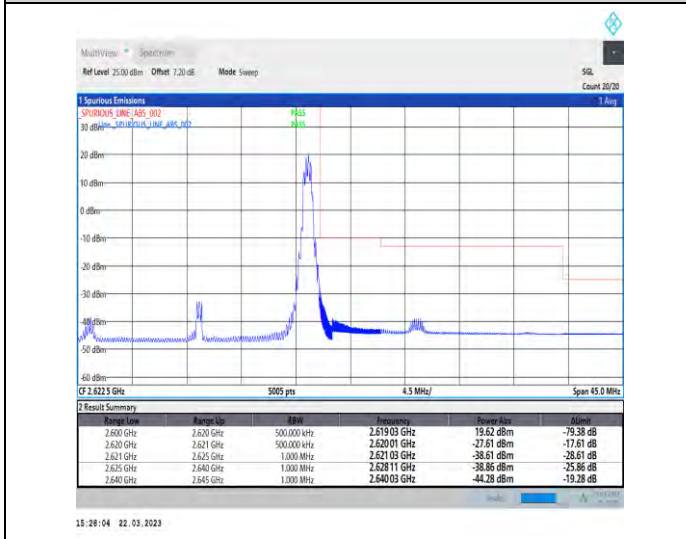
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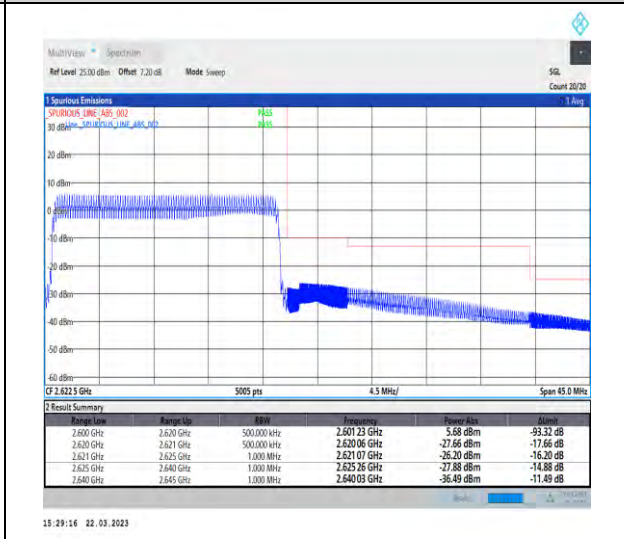
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 -1--PASS-see graph



1-N38-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1
 1-1--PASS-see graph



1-N38-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1
 1-1--PASS-see graph

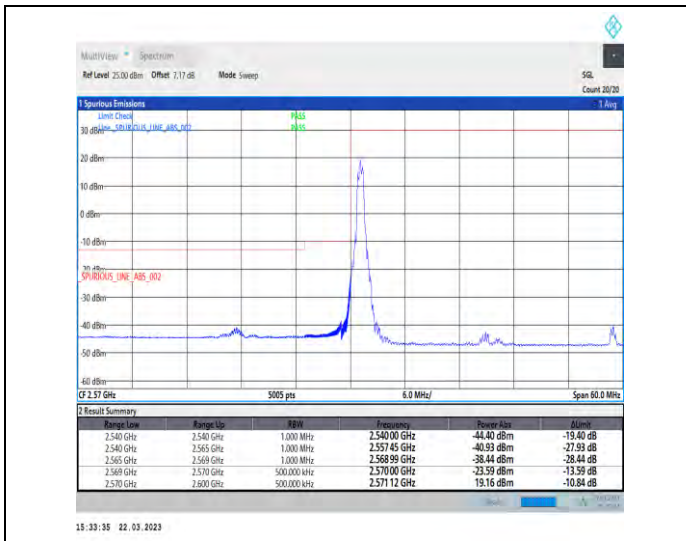


1-N38-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1
 1-1--PASS-see graph



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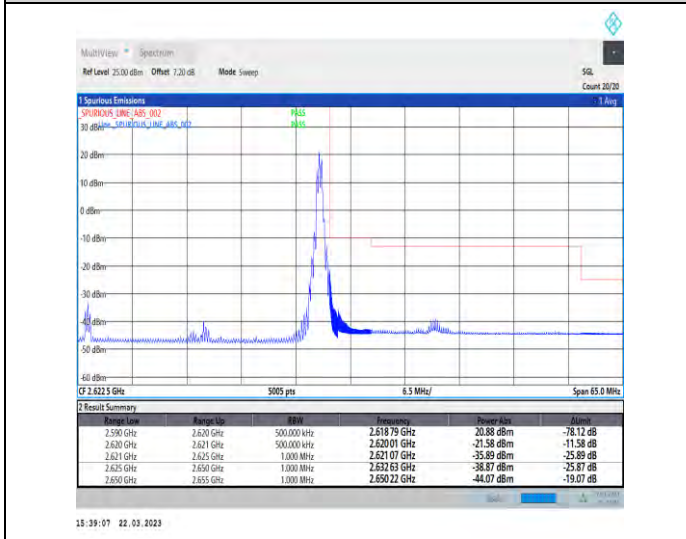
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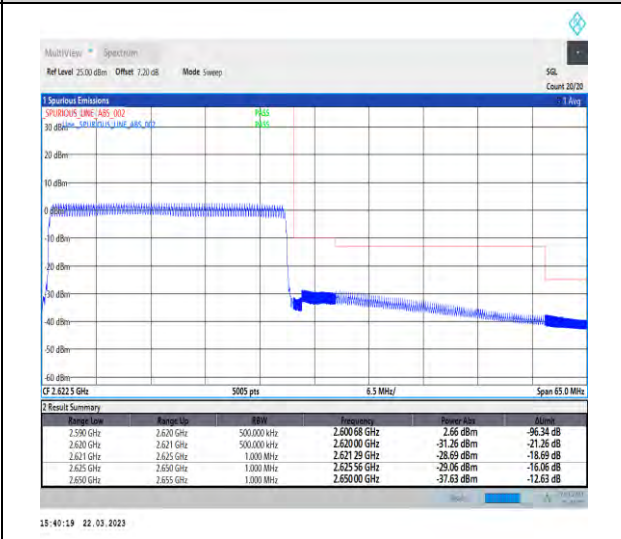
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 -1--PASS-see graph



1-N38-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant1
 1-1--PASS-see graph



1-N38-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant1
 nt1-1--PASS-see graph

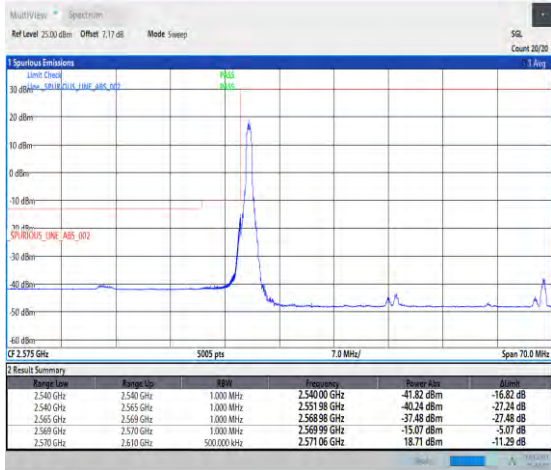


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 1-1--PASS-see graph

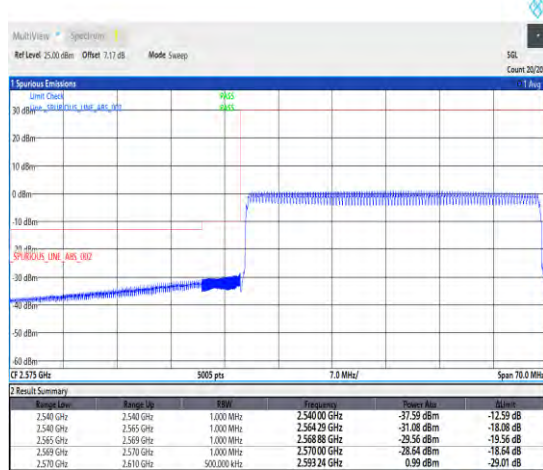


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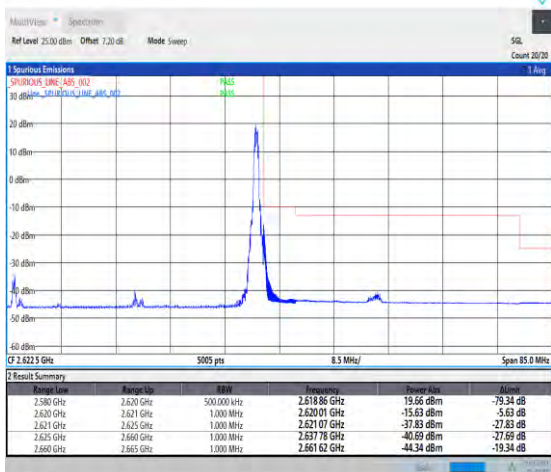
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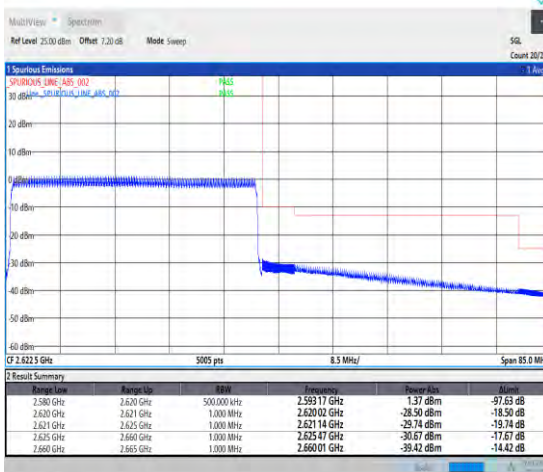
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1-N38-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1
-1--PASS-see graph



1-N38-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1
-1--PASS-see graph



1-N38-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1
-1--PASS-see graph

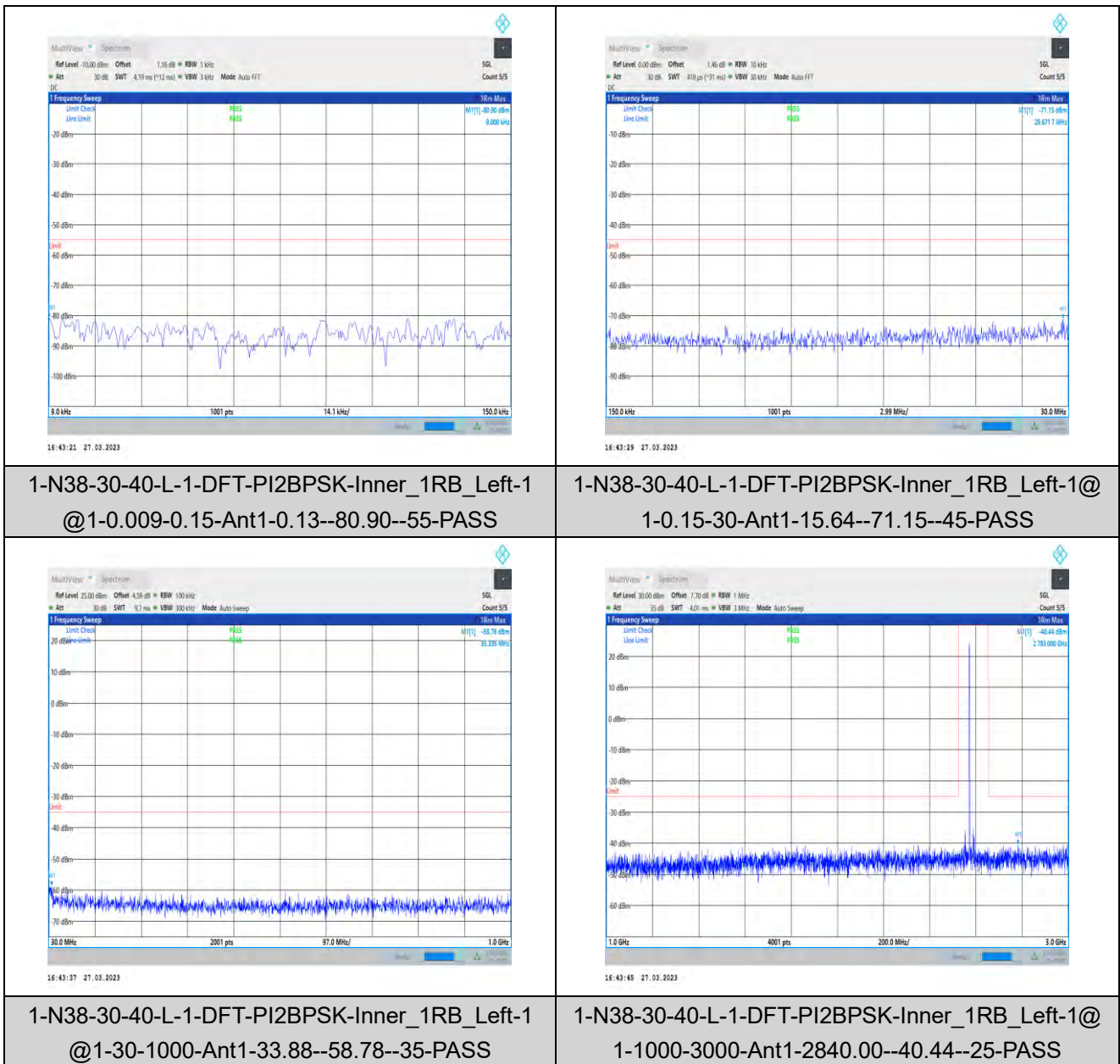


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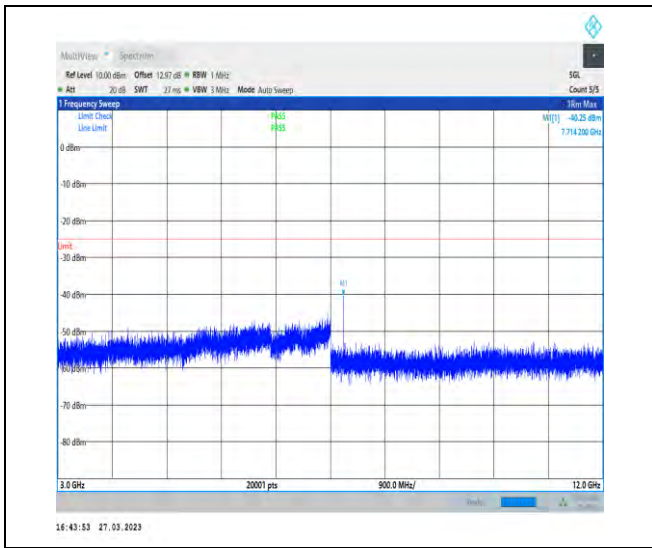
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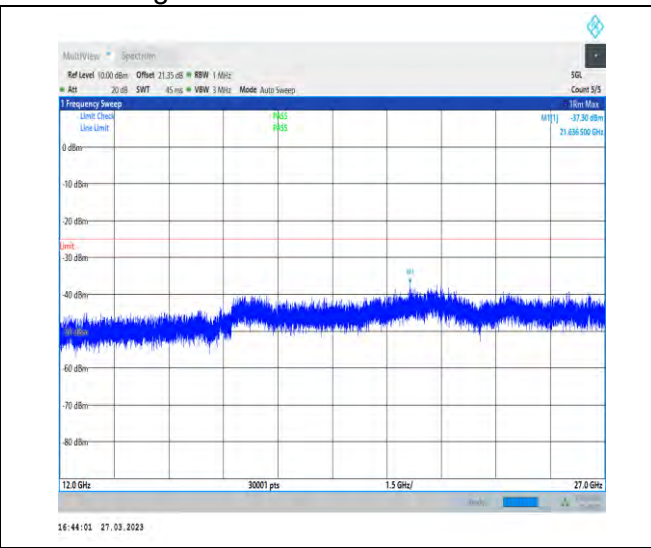


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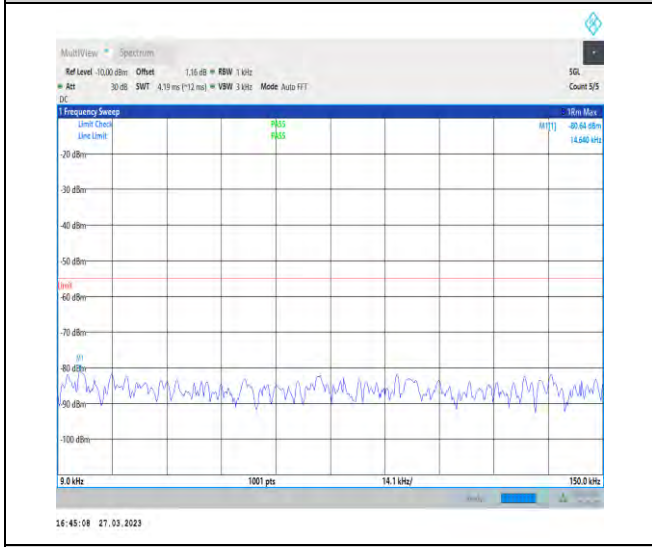
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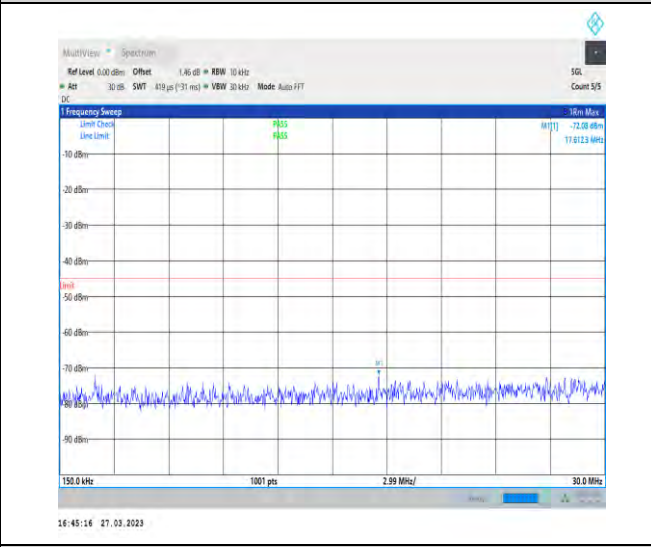
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1-N38-30-40-L-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-12000-27000-Ant1-22177.00--37.30--25-PASS



1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-0.009-0.15-Ant1-0.09--80.64--55-PASS

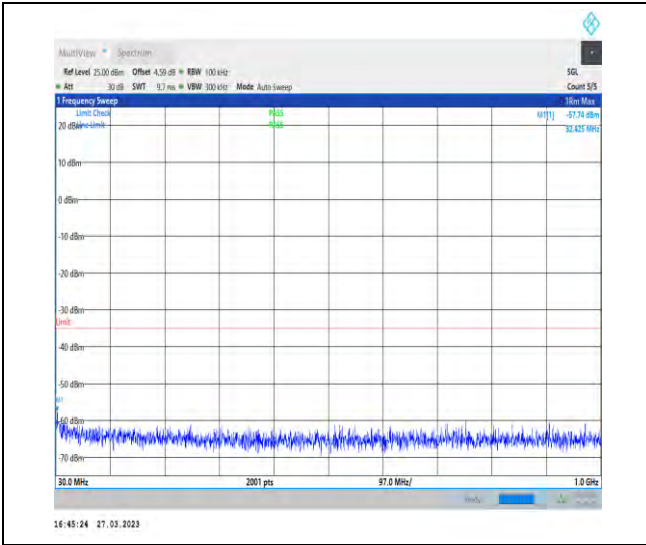


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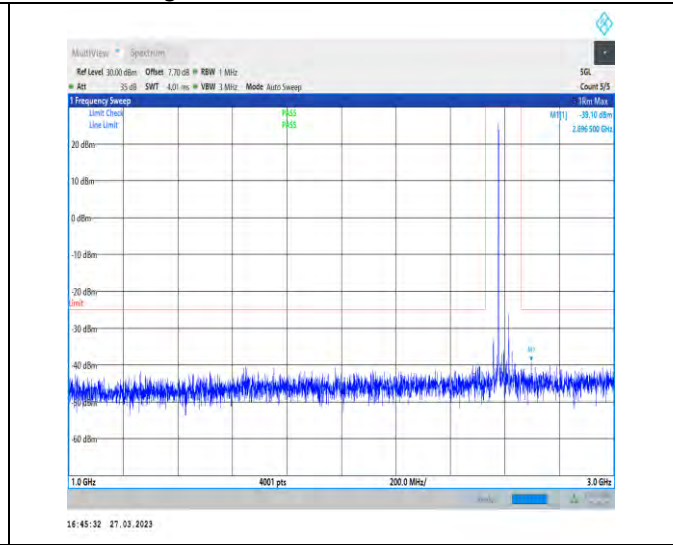


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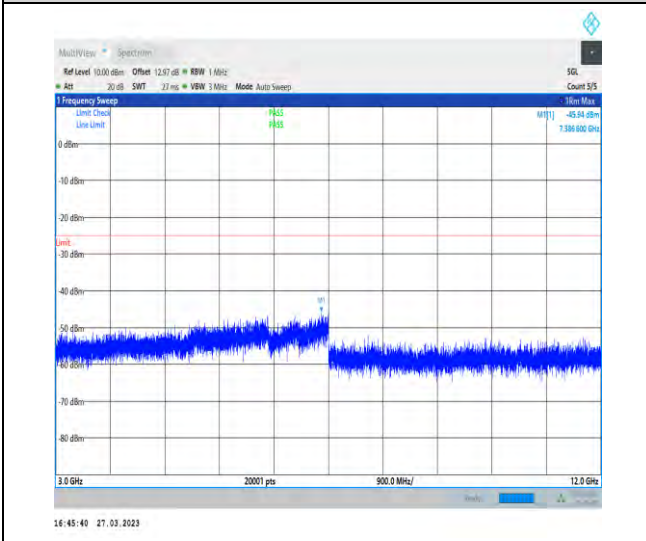
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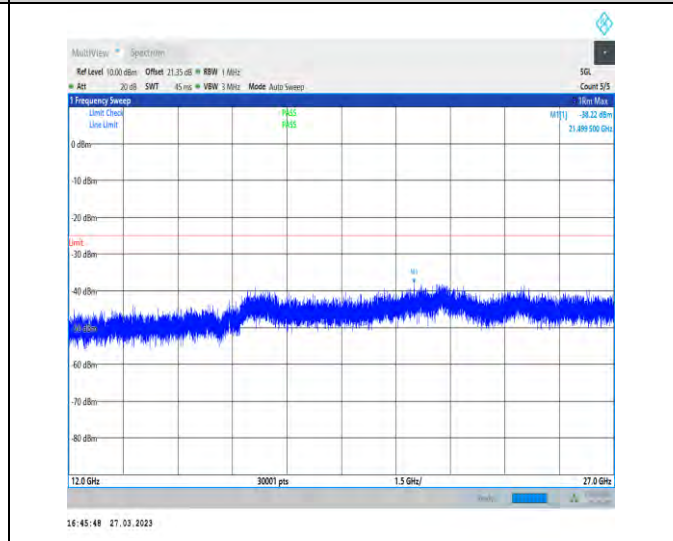
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1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-3000-12000-Ant1-7473.90--45.94--25-PASS



1-N38-30-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-12000-27000-Ant1-21719.50--38.22--25-PASS

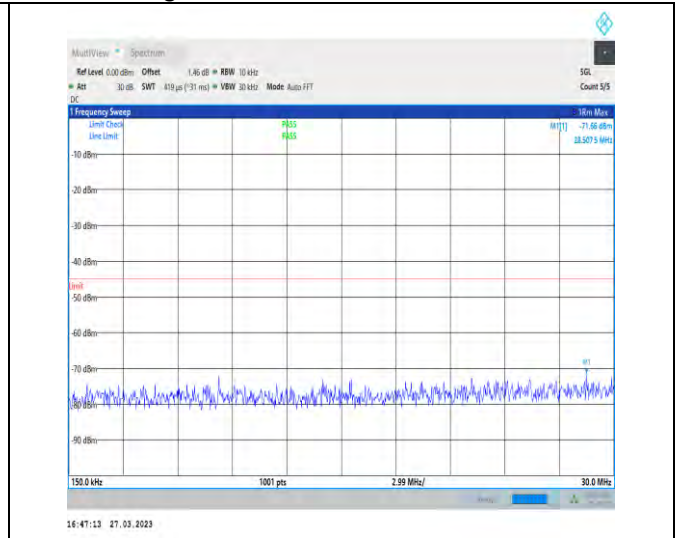


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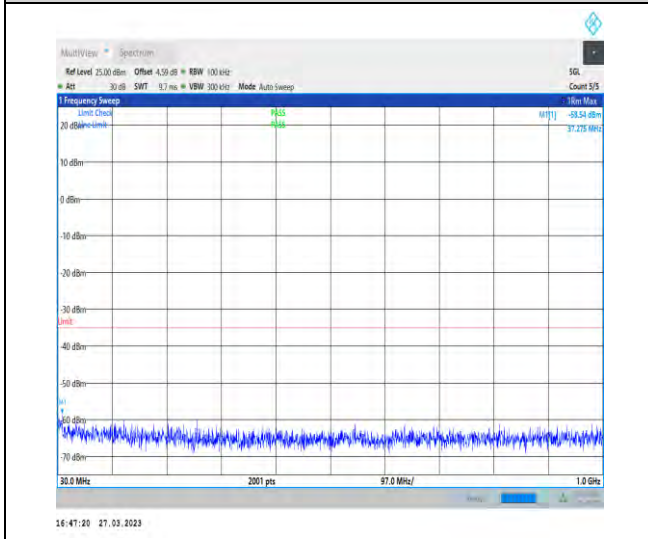
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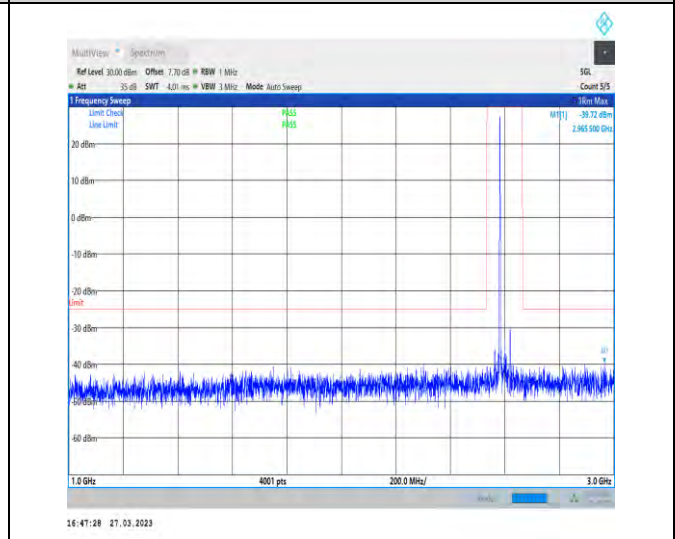
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1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-30-1000-Ant1-48.92--58.54--35-PASS

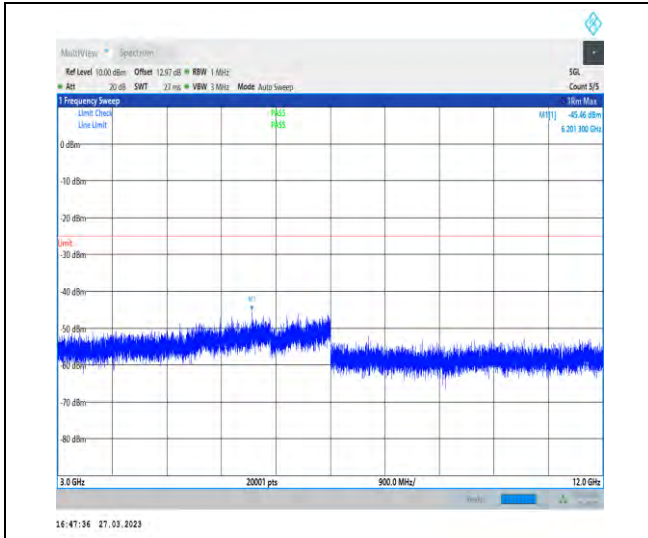


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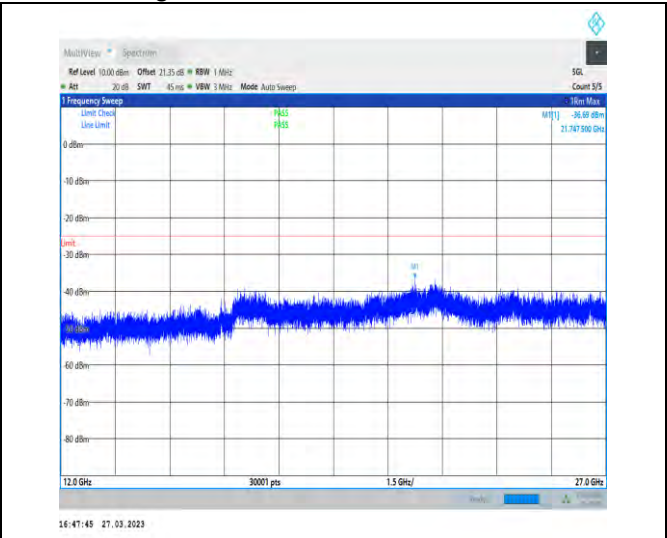


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1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1 @1-3000-12000-Ant1-7414.05--45.46--25-PASS



1-N38-30-40-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@ 1-12000-27000-Ant1-21767.50--36.69--25-PASS



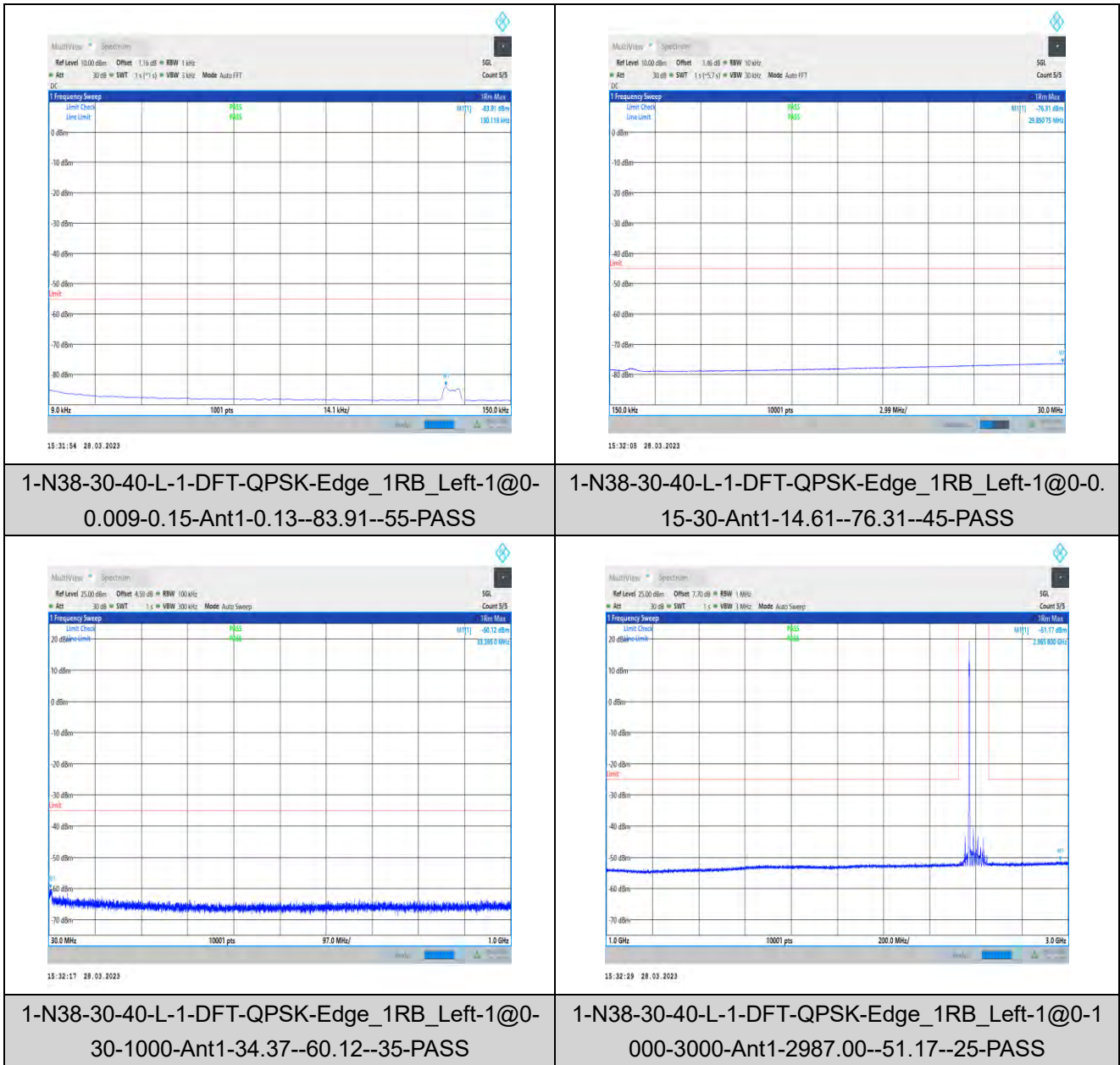
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Conducted Spurious Emission for MIMO

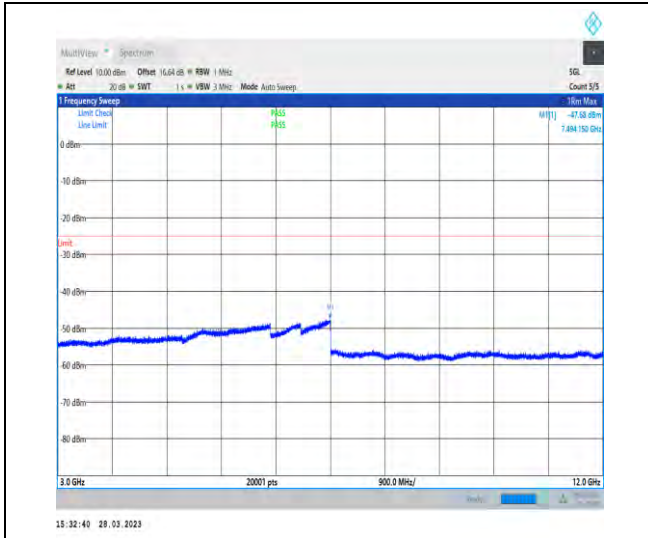
Test Graphs



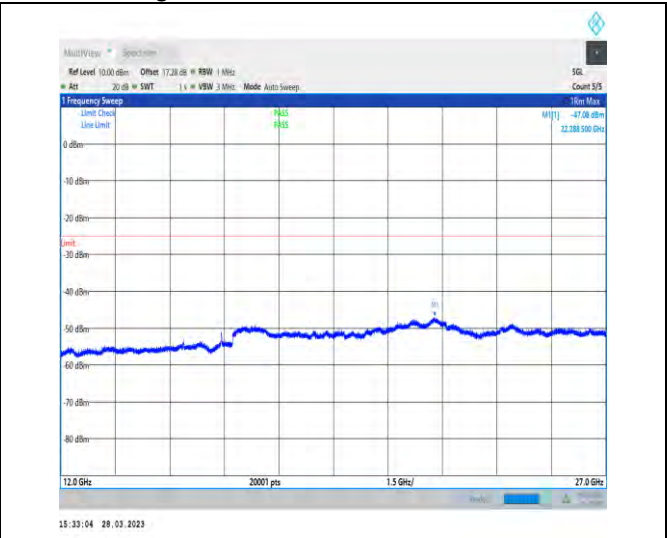
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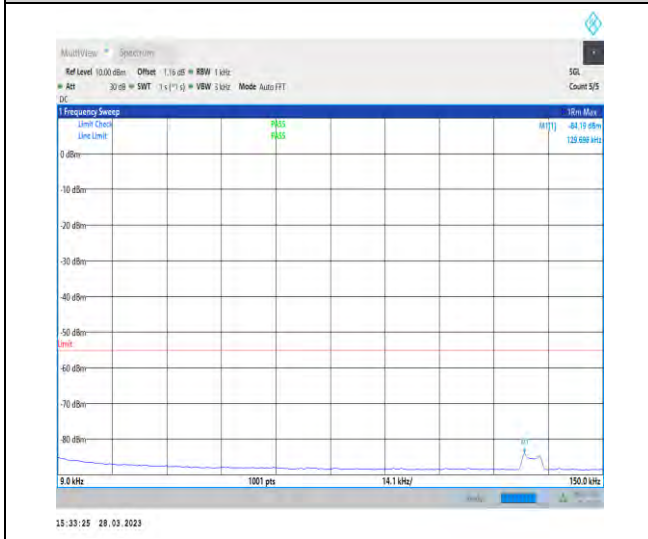
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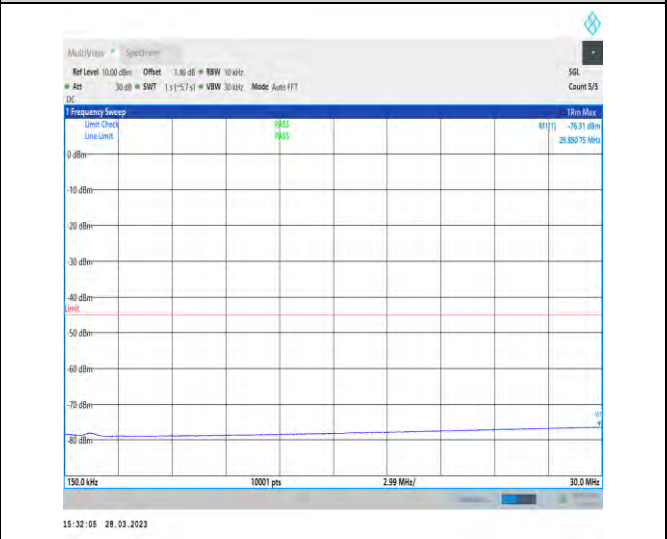
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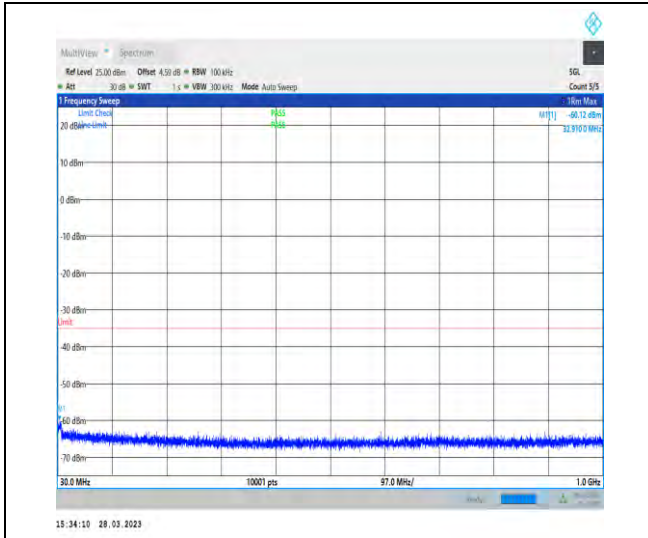


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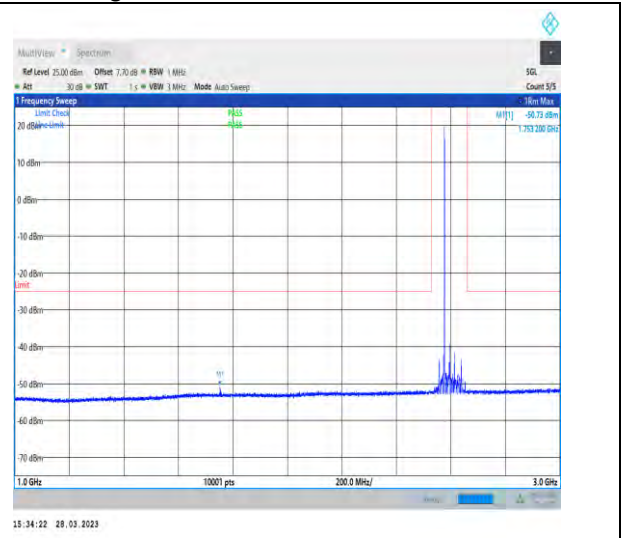


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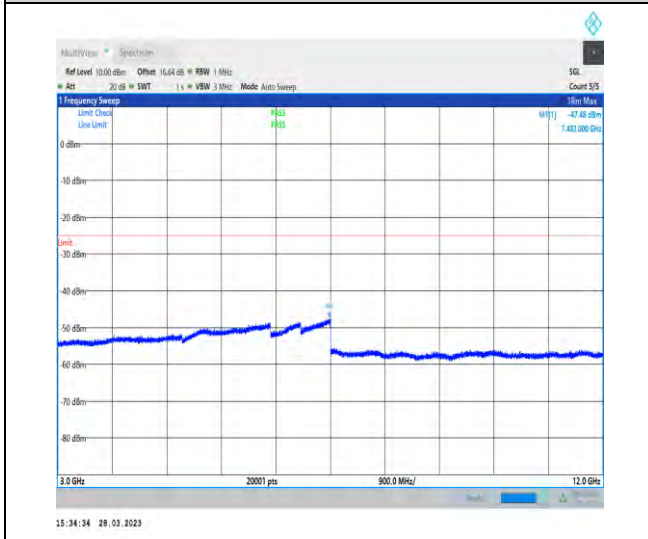
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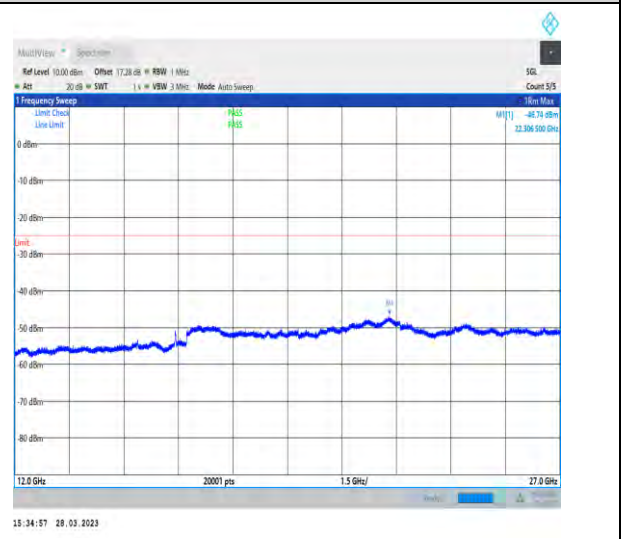
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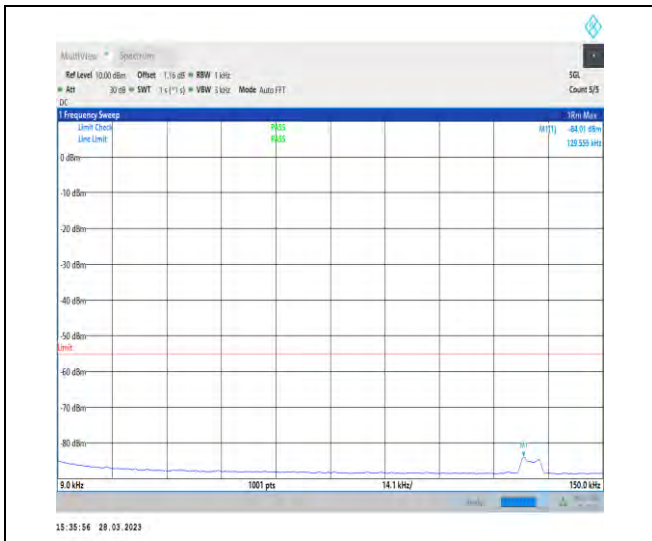


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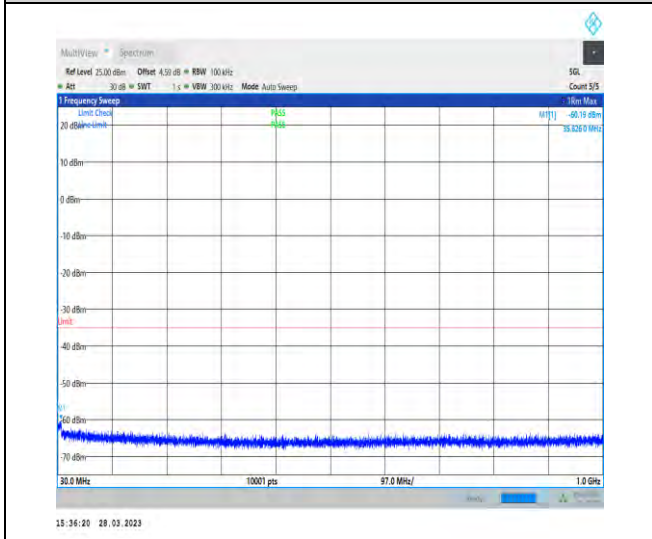
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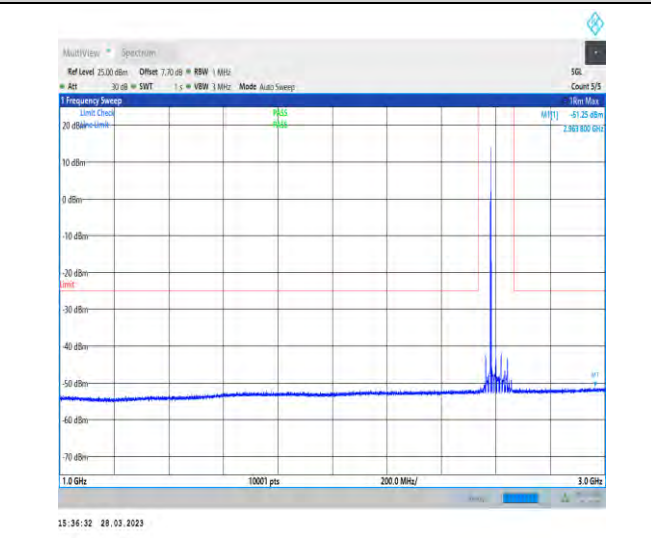
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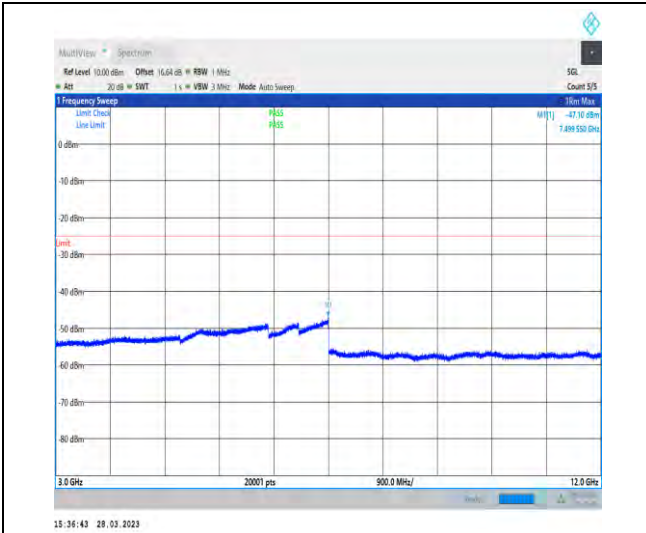


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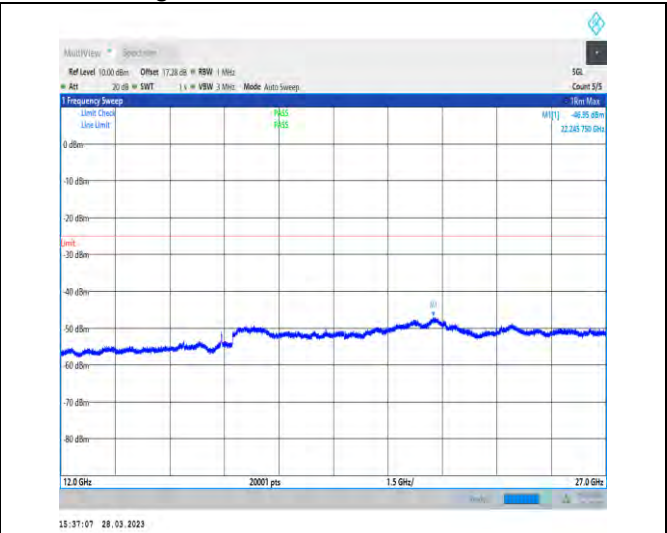


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1-N38-30-40-H-1-DFT-QPSK-Edge_1RB_Left-1@0-12000-27000-Ant1-22245.75--46.95--25-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band38_40MHz _ 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	3922.5	43.50	-46.23	30.62	-67.37	-25.00	42.37	245	122	Horizontal
2	5144.1800	43.59	-45.33	32.96	-64.04	-25.00	39.04	136	77	Horizontal
3	7716.2700	39.50	-42.98	36.62	-62.13	-25.00	37.13	256	18	Horizontal
4	10288.3600	35.29	-39.14	38.83	-60.28	-25.00	35.28	192	270	Horizontal
5	12860.4500	31.89	-37.00	39.69	-60.68	-25.00	35.68	174	272	Horizontal
6	15432.5400	30.78	-34.11	38.67	-59.92	-25.00	34.92	154	8	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	3923.25	43.92	-46.22	30.62	-66.94	-25.00	41.94	154	210	Vertical
2	5144.1800	45.47	-45.33	32.96	-62.16	-25.00	37.16	126	1	Vertical
3	7716.2700	39.56	-42.98	36.62	-62.07	-25.00	37.07	135	0	Vertical
4	10288.3600	34.66	-39.14	38.83	-60.91	-25.00	35.91	174	16	Vertical
5	12860.4500	31.86	-37.00	39.69	-60.71	-25.00	35.71	156	256	Vertical
6	15432.5400	29.79	-34.11	38.67	-60.91	-25.00	35.91	291	91	Vertical



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Test Band = SA Band38_40MHz_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	3343.5	44.30	-46.38	29.50	-67.84	-25.00	42.84	255	91	Horizontal
2	5154.1800	44.15	-45.32	32.97	-63.47	-25.00	38.47	148	77	Horizontal
3	7731.2700	39.77	-42.86	36.65	-61.71	-25.00	36.71	163	300	Horizontal
4	10308.3600	33.85	-39.08	38.84	-61.66	-25.00	36.66	265	152	Horizontal
5	12885.4500	31.57	-37.07	39.72	-61.04	-25.00	36.04	199	3	Horizontal
6	15462.5400	30.44	-34.67	38.63	-60.86	-25.00	35.86	172	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	4062	43.39	-45.87	30.89	-66.84	-25.00	41.84	255	3	Vertical
2	5154.1800	47.67	-45.32	32.97	-59.95	-25.00	34.95	136	47	Vertical
3	7731.2700	39.15	-42.86	36.65	-62.33	-25.00	37.33	256	331	Vertical
4	10308.3600	34.36	-39.08	38.84	-61.15	-25.00	36.15	142	122	Vertical
5	12885.4500	31.71	-37.07	39.72	-60.90	-25.00	35.90	188	357	Vertical
6	15462.5400	29.66	-34.67	38.63	-61.64	-25.00	36.64	192	227	Vertical



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Test Band = SA Band38_40MHz_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	4075.5	42.99	-45.83	30.91	-67.19	-25.00	42.19	241	78	Horizontal
2	5164.1800	45.20	-45.31	32.97	-62.40	-25.00	37.40	136	108	Horizontal
3	7746.2700	39.75	-42.74	36.68	-61.58	-25.00	36.58	233	242	Horizontal
4	10328.3600	34.38	-39.07	38.84	-61.10	-25.00	36.10	216	108	Horizontal
5	12910.4500	31.89	-37.13	39.74	-60.76	-25.00	35.76	198	168	Horizontal
6	15492.5400	28.50	-35.23	38.58	-63.41	-25.00	38.41	175	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	3686.25	43.24	-45.59	29.92	-67.69	-25.00	42.69	287	347	Vertical
2	5164.1800	46.26	-45.31	32.97	-61.34	-25.00	36.34	149	31	Vertical
3	7746.2700	39.83	-42.74	36.68	-61.50	-25.00	36.50	185	8	Vertical
4	10328.3600	34.09	-39.07	38.84	-61.39	-25.00	36.39	169	357	Vertical
5	12910.4500	31.50	-37.13	39.74	-61.15	-25.00	36.15	174	62	Vertical
6	15492.5400	28.67	-35.23	38.58	-63.24	-25.00	38.24	135	331	Vertical



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Test Band = SA Band38 _40MHz _ULMIMO_ 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	4026.75	42.65	-45.97	30.84	-67.73	-25.00	42.73	215	0	Horizontal
2	4738.5	41.36	-45.58	32.13	-67.34	-25.00	42.34	136	331	Horizontal
3	5552.25	40.87	-45.15	32.97	-66.57	-25.00	41.57	251	107	Horizontal
4	6690.75	39.76	-43.86	35.62	-63.74	-25.00	38.74	145	302	Horizontal
5	8457.75	36.86	-41.55	37.45	-62.50	-25.00	37.50	185	346	Horizontal
6	11321.25	28.47	-37.41	39.11	-65.09	-25.00	40.09	126	211	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	4272.75	42.09	-45.60	31.25	-67.52	-25.00	42.52	251	21	Vertical
2	5217	41.18	-45.25	32.97	-66.35	-25.00	41.35	148	199	Vertical
3	6486.75	40.74	-44.58	34.98	-64.13	-25.00	39.13	186	152	Vertical
4	8101.5	34.84	-41.37	37.05	-64.75	-25.00	39.75	163	318	Vertical
5	10706.25	28.43	-37.93	39.15	-65.61	-25.00	40.61	258	109	Vertical
6	14613.75	24.87	-35.20	39.92	-65.67	-25.00	40.67	174	152	Vertical



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Test Band = SA Band38 _40MHz _ULMIMO_ 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	4758	41.44	-45.57	32.19	-67.19	-25.00	42.19	118	316	Horizontal
2	5964	41.11	-44.88	34.06	-64.97	-25.00	39.97	145	165	Horizontal
3	6996	39.59	-43.57	36.08	-63.17	-25.00	38.17	198	273	Horizontal
4	9087.75	33.80	-40.43	38.26	-63.63	-25.00	38.63	156	0	Horizontal
5	11260.5	28.06	-37.41	39.11	-65.50	-25.00	40.50	172	287	Horizontal
6	12776.25	26.39	-36.79	39.59	-66.08	-25.00	41.08	180	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	3794.25	42.11	-45.90	30.31	-68.74	-25.00	43.74	255	199	Vertical
2	4739.25	41.52	-45.58	32.13	-67.18	-25.00	42.18	142	319	Vertical
3	5838	40.68	-44.83	33.82	-65.59	-25.00	40.59	163	258	Vertical
4	6996	39.67	-43.57	36.08	-63.09	-25.00	38.09	259	258	Vertical
5	8932.5	35.41	-41.16	38.16	-62.85	-25.00	37.85	291	0	Vertical
6	11835.75	24.80	-37.00	38.79	-68.67	-25.00	43.67	175	0	Vertical



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Test Band = SA Band38_40MHz_ULMIMO_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	4220.25	41.41	-45.72	31.14	-68.43	-25.00	43.43	244	152	Horizontal
2	5057.25	41.29	-45.49	32.91	-66.54	-25.00	41.54	175	195	Horizontal
3	6576	40.10	-44.41	35.34	-64.23	-25.00	39.23	153	17	Horizontal
4	8035.5	36.46	-42.00	37.02	-63.78	-25.00	38.78	261	138	Horizontal
5	10340.25	29.52	-39.06	38.85	-65.95	-25.00	40.95	185	346	Horizontal
6	14340	24.64	-35.62	40.13	-66.11	-25.00	41.11	206	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	3781.5	41.80	-45.84	30.26	-69.04	-25.00	44.04	144	300	Vertical
2	5241.75	40.79	-45.20	32.95	-66.72	-25.00	41.72	126	251	Vertical
3	6483	40.45	-44.58	34.96	-64.43	-25.00	39.43	259	212	Vertical
4	8547	35.80	-41.48	37.64	-63.31	-25.00	38.31	291	263	Vertical
5	10654.5	27.82	-38.15	39.10	-66.48	-25.00	41.48	148	240	Vertical
6	12071.25	26.00	-37.42	39.03	-67.66	-25.00	42.66	173	0	Vertical



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Test Band = NSA 2A_n38A_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	5169	50.81	-45.31	32.97	-56.78	-25.00	31.78	233	108	Horizontal
2	6724.5	40.10	-43.90	35.69	-63.37	-25.00	38.37	189	211	Horizontal
3	7733.25	39.78	-42.85	36.65	-61.68	-25.00	36.68	206	18	Horizontal
4	9478.5	33.97	-40.14	38.47	-62.96	-25.00	37.96	265	0	Horizontal
5	11215.5	28.08	-37.39	39.11	-65.46	-25.00	40.46	175	35	Horizontal
6	14390.25	24.66	-34.93	40.09	-65.45	-25.00	40.45	144	168	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	4843.5	44.97	-45.54	32.44	-63.38	-25.00	38.38	211	35	Vertical
2	7426.5	39.68	-43.34	36.48	-62.44	-25.00	37.44	149	316	Vertical
3	8406.75	37.06	-41.46	37.34	-62.32	-25.00	37.32	128	35	Vertical
4	9426	33.67	-39.93	38.48	-63.04	-25.00	38.04	156	357	Vertical
5	11238	28.31	-37.40	39.11	-65.24	-25.00	40.24	327	273	Vertical
6	16490.25	27.64	-33.90	37.91	-63.62	-25.00	38.62	142	21	Vertical



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Test Band = NSA 2A_n38A_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	4843.5	43.82	-45.54	32.44	-64.53	-25.00	39.53	271	35	Horizontal
2	7008	40.58	-43.60	36.10	-62.18	-25.00	37.18	186	153	Horizontal
3	8411.25	37.66	-41.47	37.35	-61.72	-25.00	36.72	239	272	Horizontal
4	11144.25	28.88	-37.71	39.10	-64.99	-25.00	39.99	247	0	Horizontal
5	13856.25	26.36	-35.87	40.01	-64.76	-25.00	39.76	144	243	Horizontal
6	16473	28.06	-34.02	37.87	-63.35	-25.00	38.35	125	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	5152.5	57.16	-45.32	32.96	-50.46	-25.00	25.46	229	357	Vertical
2	7728.75	42.66	-42.89	36.64	-58.85	-25.00	33.85	185	357	Vertical
3	9426	34.58	-39.93	38.48	-62.13	-25.00	37.13	164	154	Vertical
4	11142	28.85	-37.73	39.10	-65.04	-25.00	40.04	271	227	Vertical
5	13909.5	26.58	-35.48	40.06	-64.10	-25.00	39.10	158	1	Vertical
6	16431.75	28.31	-34.28	37.79	-63.45	-25.00	38.45	220	154	Vertical



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Test Band = NSA 2A_n38A_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	5151.75	50.18	-45.32	32.96	-57.44	-25.00	32.44	155	21	Horizontal
2	7005.75	40.28	-43.59	36.09	-62.47	-25.00	37.47	187	1	Horizontal
3	8433	37.96	-41.51	37.40	-61.41	-25.00	36.41	165	316	Horizontal
4	11142	29.52	-37.73	39.10	-64.37	-25.00	39.37	298	148	Horizontal
5	14444.25	26.01	-34.82	40.05	-64.02	-25.00	39.02	156	0	Horizontal
6	17230.5	29.75	-35.14	38.65	-62.00	-25.00	37.00	244	11	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	5163	60.20	-45.31	32.97	-47.40	-25.00	22.40	277	43	Vertical
2	7728	45.99	-42.89	36.64	-55.52	-25.00	30.52	181	87	Vertical
3	9481.5	35.15	-40.16	38.47	-61.80	-25.00	36.80	213	301	Vertical
4	11199.75	29.49	-37.39	39.11	-64.05	-25.00	39.05	256	147	Vertical
5	13834.5	27.60	-36.07	39.99	-63.74	-25.00	38.74	247	178	Vertical
6	16451.25	28.12	-34.16	37.83	-63.47	-25.00	38.47	180	224	Vertical



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Rev.: 01

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Test Band = NSA 5A_n38A_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	5144.25	55.70	-45.33	32.96	-51.93	-25.00	26.93	229	5	Horizontal
2	6745.5	40.95	-43.97	35.73	-62.55	-25.00	37.55	174	319	Horizontal
3	8407.5	38.19	-41.46	37.35	-61.19	-25.00	36.19	215	49	Horizontal
4	10098.75	32.59	-39.12	38.65	-63.14	-25.00	38.14	293	227	Horizontal
5	13661.25	27.70	-36.13	40.09	-63.60	-25.00	38.60	242	0	Horizontal
6	16367.25	28.48	-34.54	37.70	-63.61	-25.00	38.61	151	35	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	5145.75	60.69	-45.33	32.96	-46.94	-25.00	21.94	244	32	Vertical
2	7728	44.75	-42.89	36.64	-56.76	-25.00	31.76	132	32	Vertical
3	9607.5	34.71	-39.65	38.43	-61.77	-25.00	36.77	256	256	Vertical
4	11211.75	30.12	-37.39	39.11	-63.42	-25.00	38.42	288	242	Vertical
5	13850.25	28.13	-35.92	40.01	-63.05	-25.00	38.05	179	0	Vertical
6	17237.25	30.29	-35.17	38.66	-61.49	-25.00	36.49	256	93	Vertical



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Test Band = NSA 5A_n38A_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	5151.75	50.52	-45.32	32.96	-57.10	-25.00	32.10	217	120	Horizontal
2	6984	40.98	-43.64	36.06	-61.86	-25.00	36.86	182	148	Horizontal
3	7728	42.21	-42.89	36.64	-59.30	-25.00	34.30	239	1	Horizontal
4	10077	33.49	-39.15	38.61	-62.30	-25.00	37.30	172	7	Horizontal
5	12726	28.67	-36.72	39.50	-63.81	-25.00	38.81	144	29	Horizontal
6	13703.25	28.25	-36.17	40.05	-63.13	-25.00	38.13	286	240	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	4531.5	43.87	-45.70	31.64	-65.45	-25.00	40.45	219	64	Vertical
2	5152.5	58.27	-45.32	32.96	-49.35	-25.00	24.35	286	4	Vertical
3	7728	46.45	-42.89	36.64	-55.06	-25.00	30.06	177	213	Vertical
4	10040.25	33.32	-39.19	38.55	-62.58	-25.00	37.58	246	332	Vertical
5	14391	27.27	-34.92	40.09	-62.83	-25.00	37.83	238	92	Vertical
6	17196	30.55	-34.97	38.61	-61.07	-25.00	36.07	175	1	Vertical



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Test Band = NSA 5A_n38A_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	5164.5	53.43	-45.31	32.97	-54.17	-25.00	29.17	214	257	Horizontal
2	7728	45.04	-42.89	36.64	-56.47	-25.00	31.47	195	0	Horizontal
3	8412.75	38.49	-41.47	37.36	-60.88	-25.00	35.88	185	213	Horizontal
4	10113.75	33.57	-39.17	38.67	-62.19	-25.00	37.19	142	331	Horizontal
5	13734	28.89	-36.24	40.02	-62.59	-25.00	37.59	135	346	Horizontal
6	16480.5	29.98	-33.97	37.89	-61.36	-25.00	36.36	166	91	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	5152.5	59.18	-45.32	32.96	-48.44	-25.00	23.44	214	108	Vertical
2	7728.75	43.17	-42.89	36.64	-58.34	-25.00	33.34	188	240	Vertical
3	8931	37.49	-41.17	38.16	-60.78	-25.00	35.78	170	18	Vertical
4	11210.25	31.33	-37.39	39.11	-62.21	-25.00	37.21	239	24	Vertical
5	13605	29.69	-36.08	40.15	-61.51	-25.00	36.51	306	15	Vertical
6	16488	29.48	-33.92	37.90	-61.80	-25.00	36.80	248	23	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

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	1.800000	0.000694	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.400000	-0.002466	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.600000	-0.002543	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VH	NT	7.700000	0.002967	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VN	NT	4.100000	0.001580	PASS
N38	30	40	CP-QPSK	M	Outer_Full	VL	NT	-4.300000	-0.001657	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	6.400000	0.002466	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.800000	-0.000694	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	8.900000	0.003430	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.100000	-0.000424	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-8.000000	-0.003083	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-1.500000	-0.000578	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	30	0.800000	0.000308	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.300000	-0.000501	PASS
N38	30	40	DFT-PI2BPSK	M	Outer_Full	NV	50	4.200000	0.001618	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-30	23.400000	0.009017	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-20	0.000000	0.000000	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	-10	5.600000	0.002158	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	0	10.400000	0.004008	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	10	16.700000	0.006435	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	20	2.500000	0.000963	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	30	11.200000	0.004316	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	40	0.900000	0.000347	PASS
N38	30	40	CP-QPSK	M	Outer_Full	NV	50	8.800000	0.003391	PASS

---End of Attachment---



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