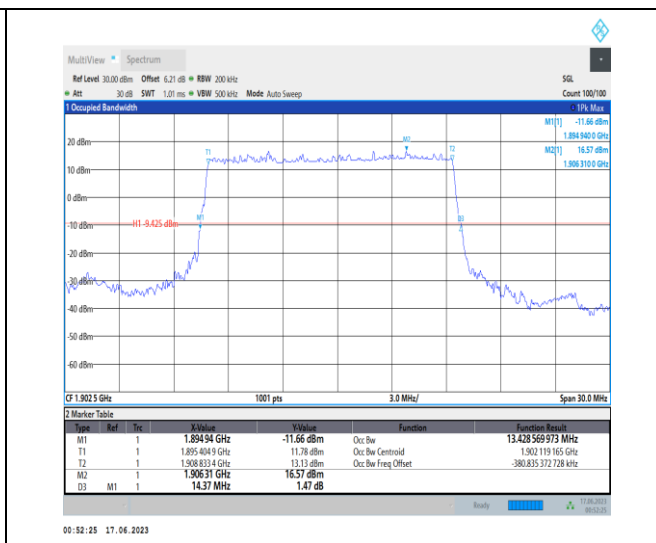
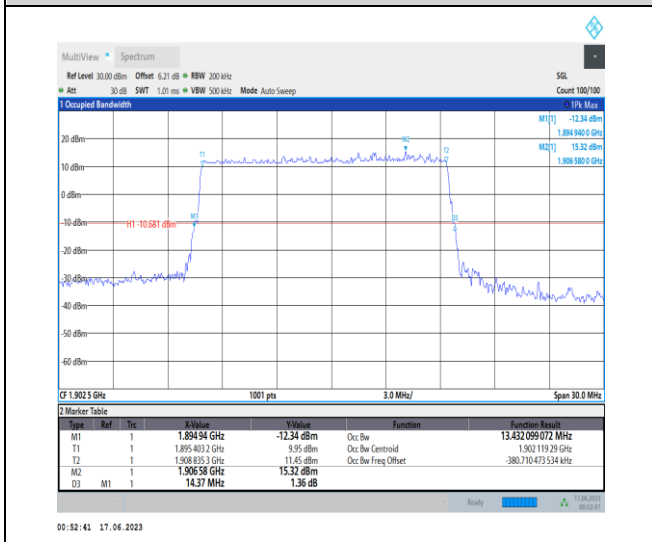


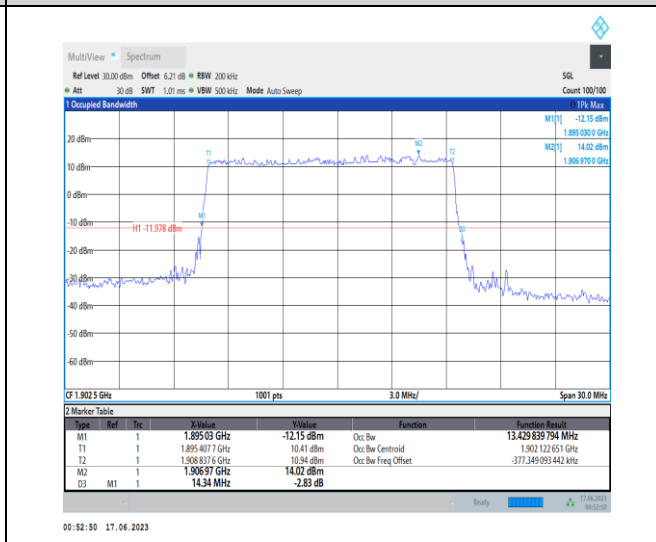
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1-N2-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant3-13.429-14.370≤15-PASS



1-N2-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant3-13.432-14.370≤15-PASS

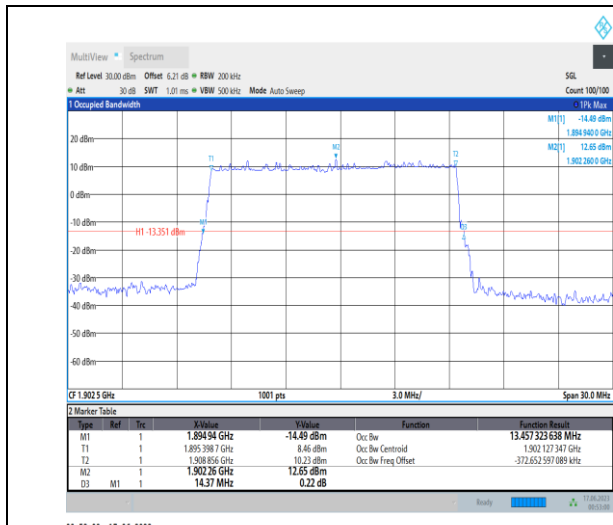


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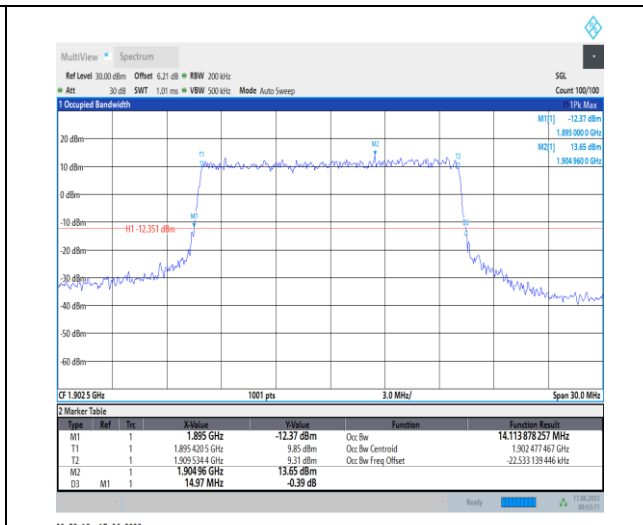


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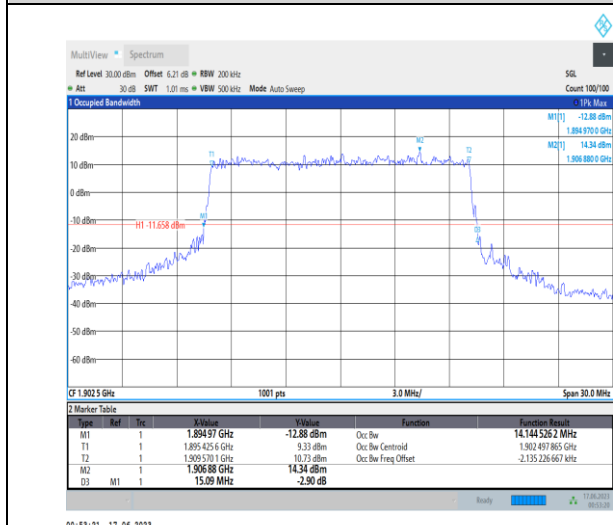
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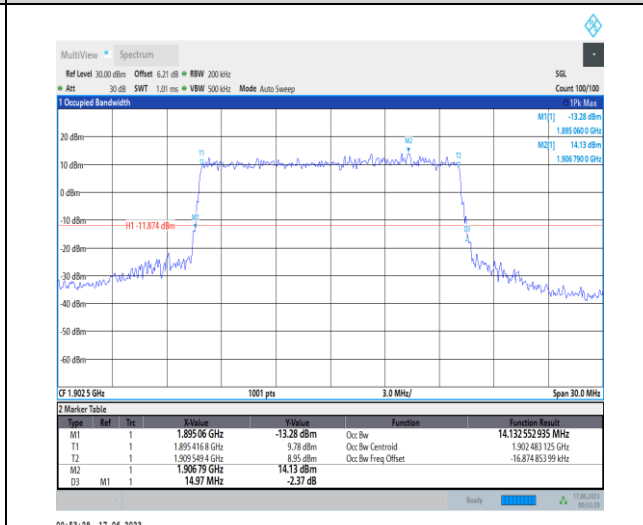
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 -Ant3-13.457-14.370-≤15-PASS



1-N2-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-A
 Ant3-14.114-14.970-≤15-PASS



1-N2-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-A
 Ant3-14.145-15.090-≤15-PASS



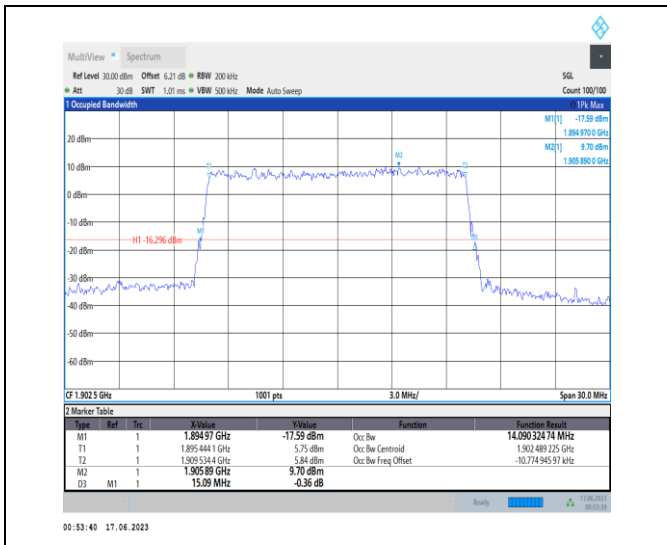
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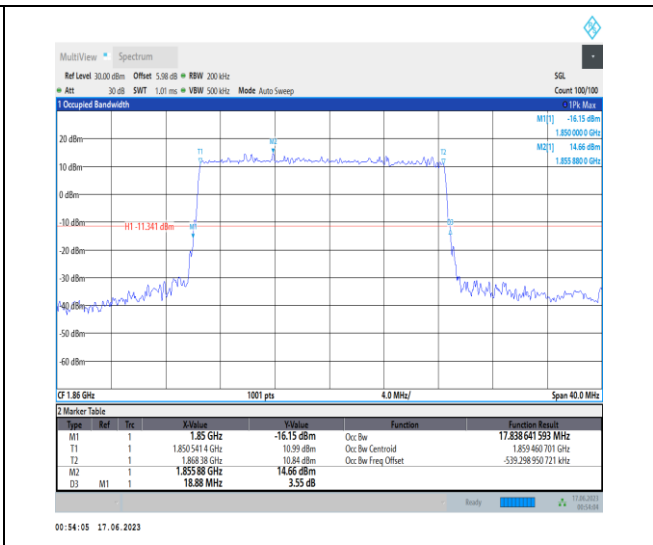
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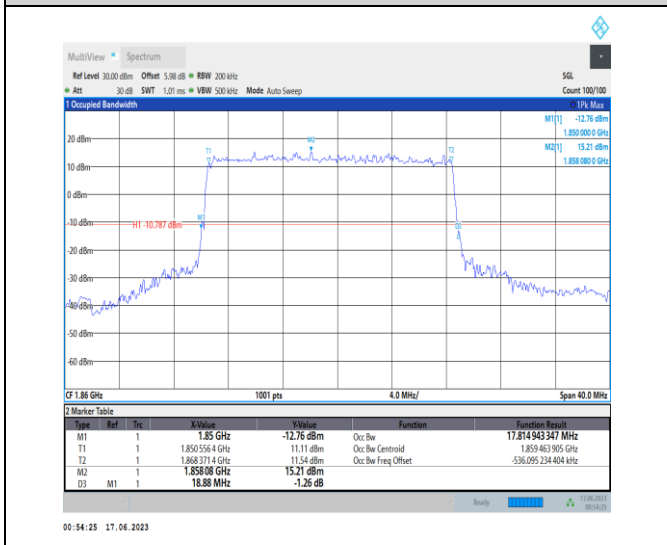
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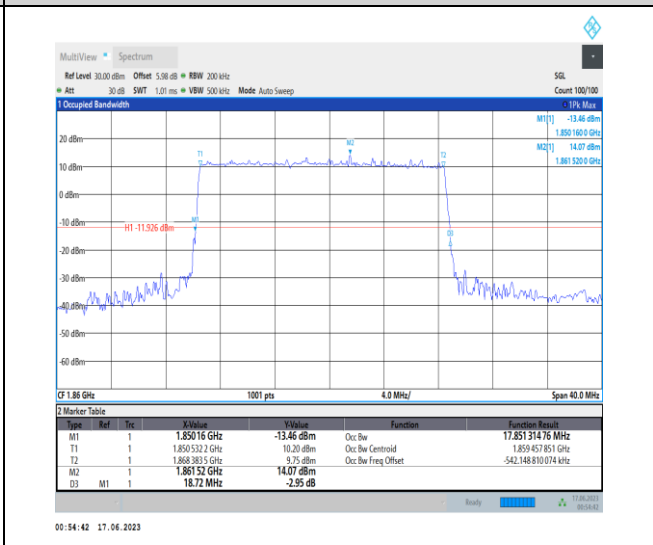
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1-N2-PC3-15-20-L-1-DFT-QPSK-Outer_Full-100@0-Ant3-17.839-18.880-<=20-PASS



1-N2-PC3-15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-Ant3-17.815-18.880-<=20-PASS



1-N2-PC3-15-20-L-3-DFT-16QAM-Outer_Full-100@0-Ant3-17.851-18.720-<=20-PASS

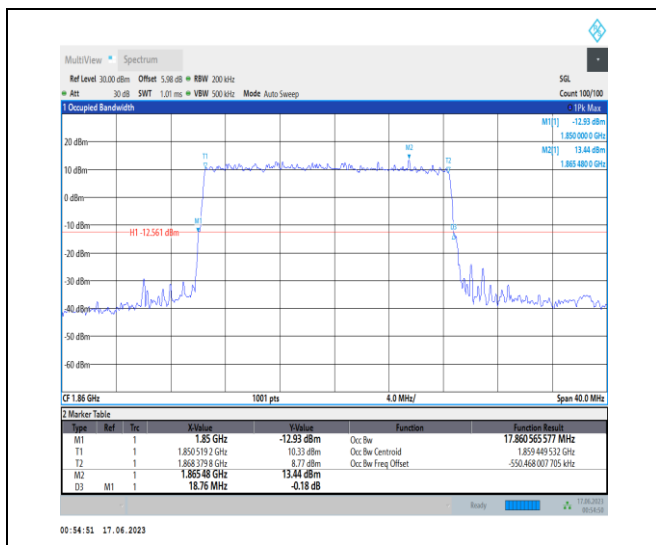


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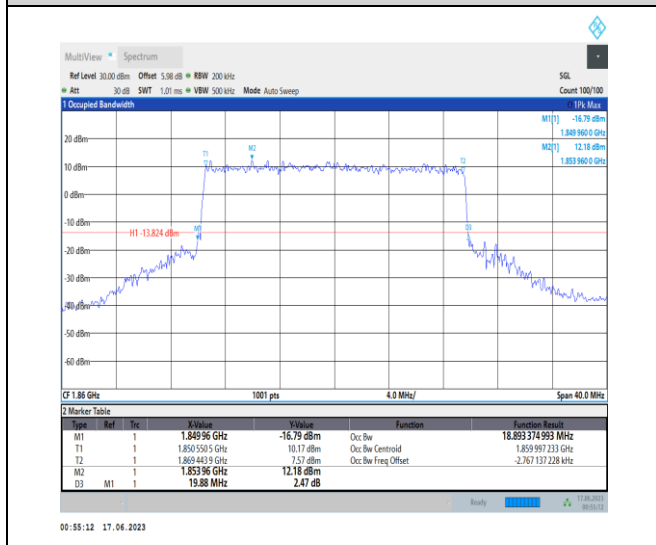
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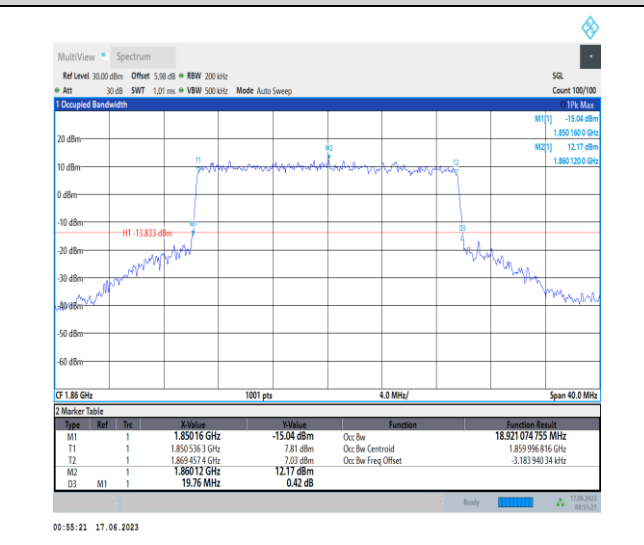
1-N2-PC3-15-20-L-4-DFT-64QAM-Outer_Full-100@
 0-Ant3-17.861-18.760-≤20-PASS



1-N2-PC3-15-20-L-5-DFT-256QAM-Outer_Full-100@
 0-Ant3-17.848-18.720-≤20-PASS



1-N2-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-
 Ant3-18.893-19.880-≤20-PASS



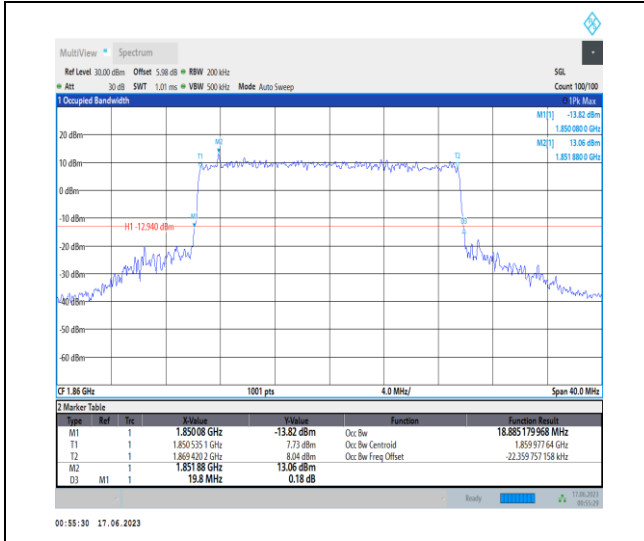
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 Ant3-18.921-19.760-≤20-PASS



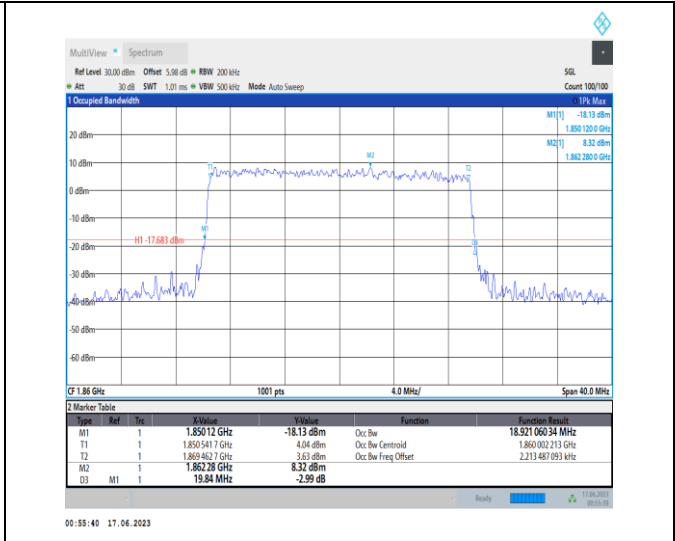
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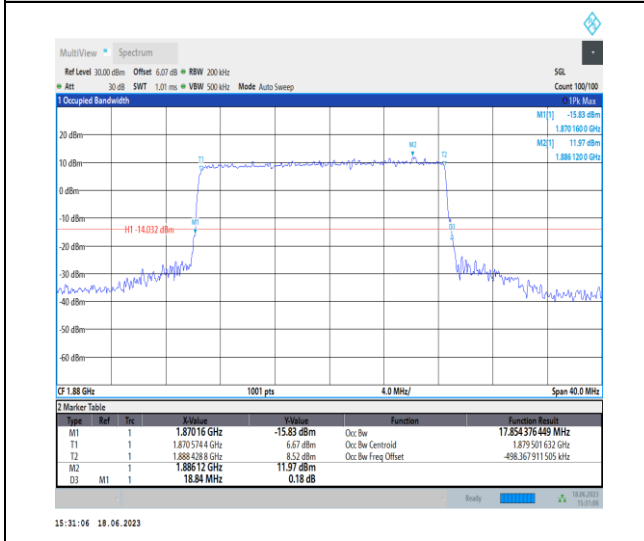
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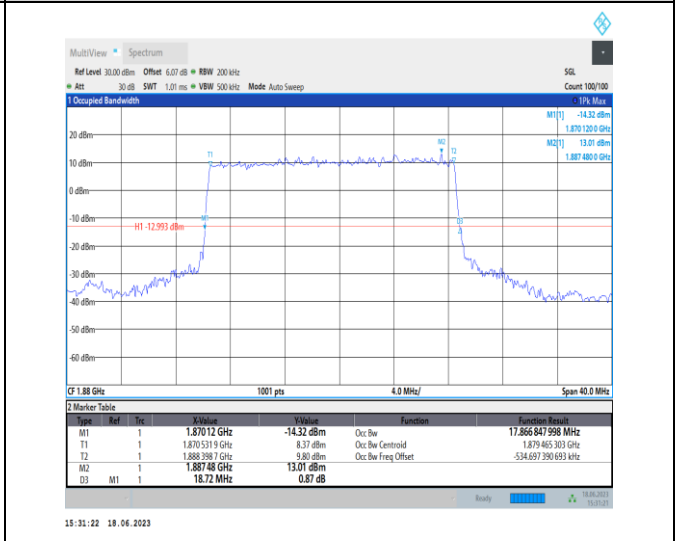
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0-Ant3-18.885-19.800-≤20-PASS



1-N2-PC3-15-20-L-9-CP-256QAM-Outer_Full-106@0
-Ant3-18.921-19.840-≤20-PASS



1-N2-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@
0-Ant3-17.854-18.840-≤20-PASS



1-N2-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100
@0-Ant3-17.867-18.720-≤20-PASS



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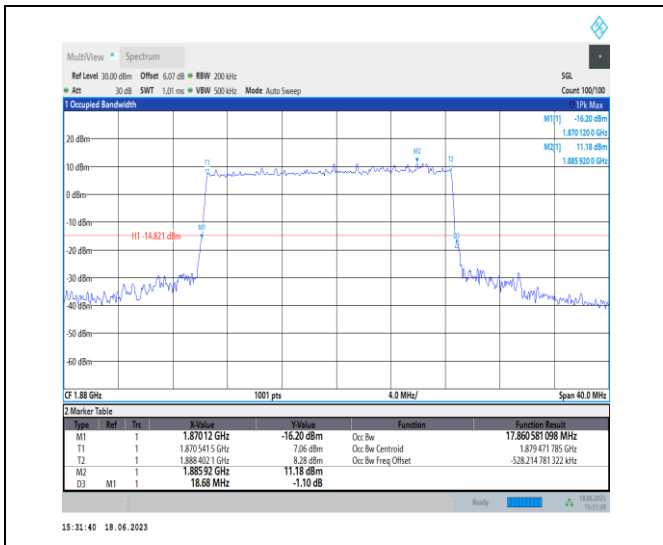
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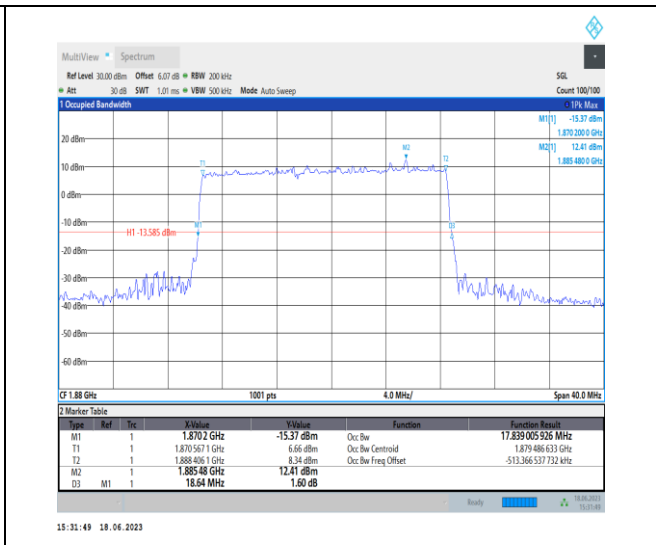
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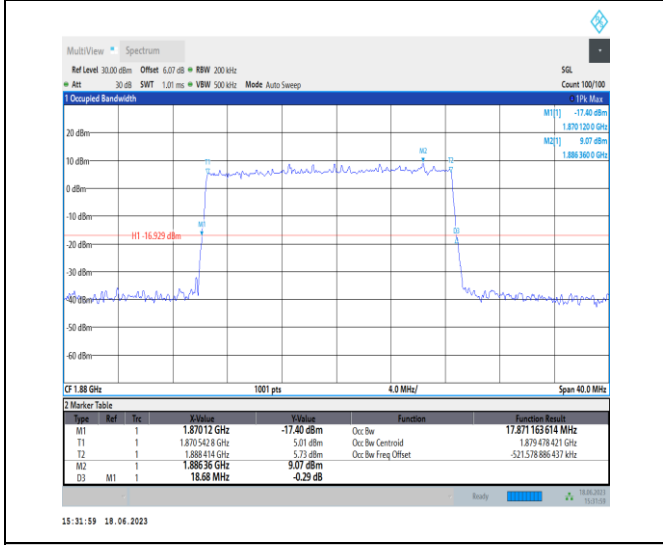
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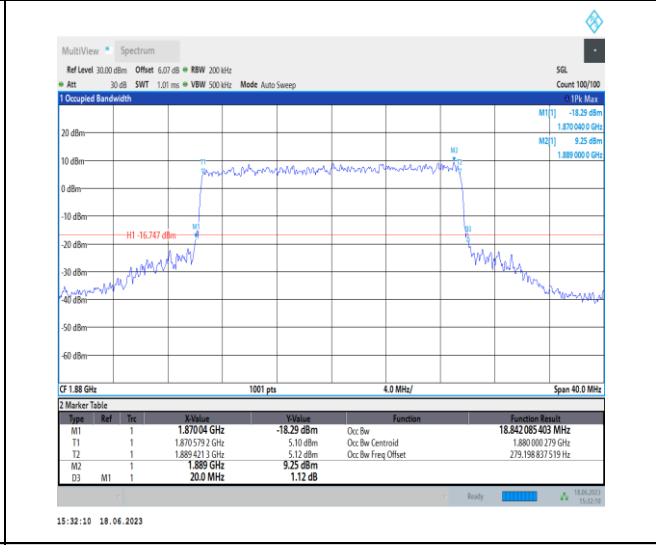
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1-N2-PC3-15-20-M-4-DFT-64QAM-Outer_Full-100@
 0-Ant3-17.839-18.640-≤20-PASS



1-N2-PC3-15-20-M-5-DFT-256QAM-Outer_Full-100
 @0-Ant3-17.871-18.680-≤20-PASS

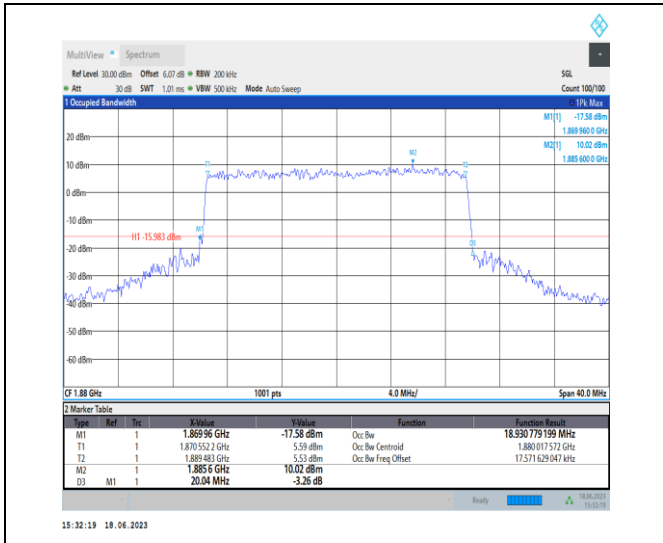


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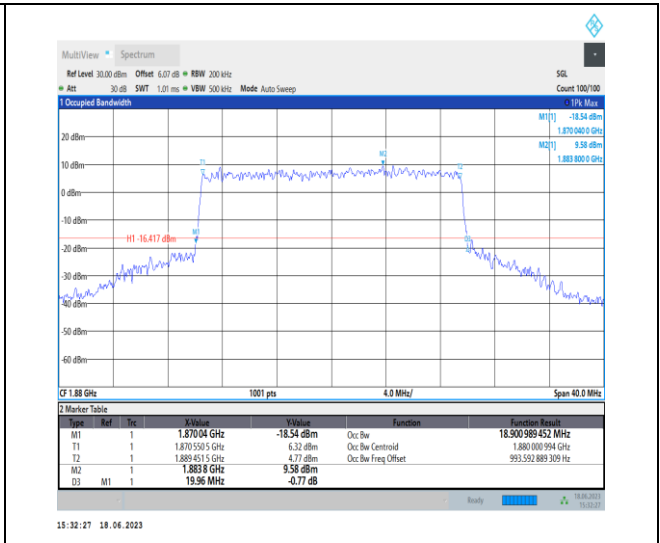


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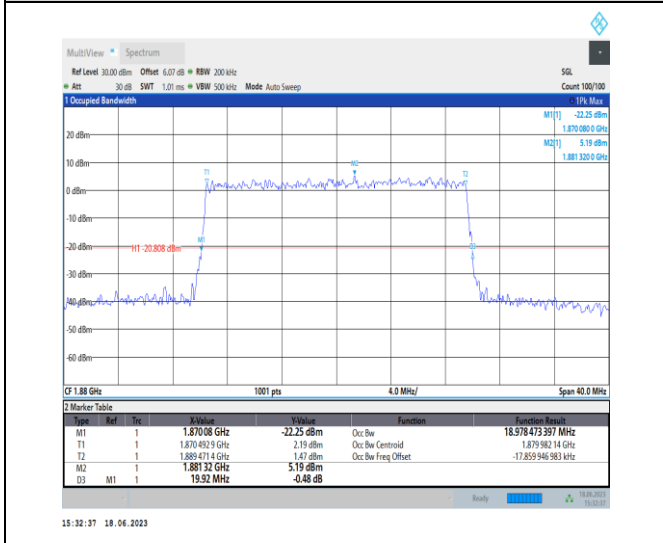
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1-N2-PC3-15-20-M-7-CP-16QAM-Outer_Full-106@0
 -Ant3-18.931-20.040-≤20-PASS



1-N2-PC3-15-20-M-8-CP-64QAM-Outer_Full-106@0
 -Ant3-18.901-19.960-≤20-PASS



1-N2-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0
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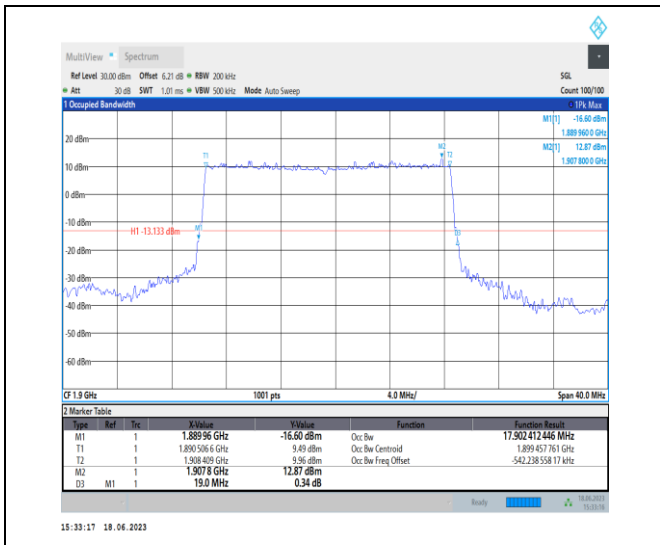


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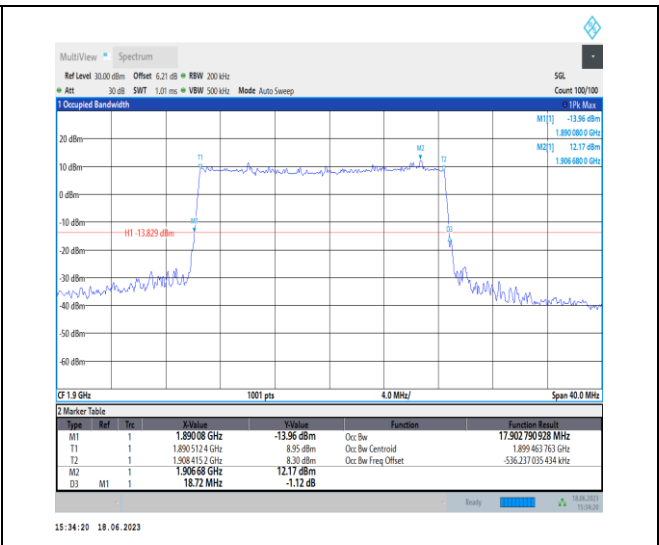


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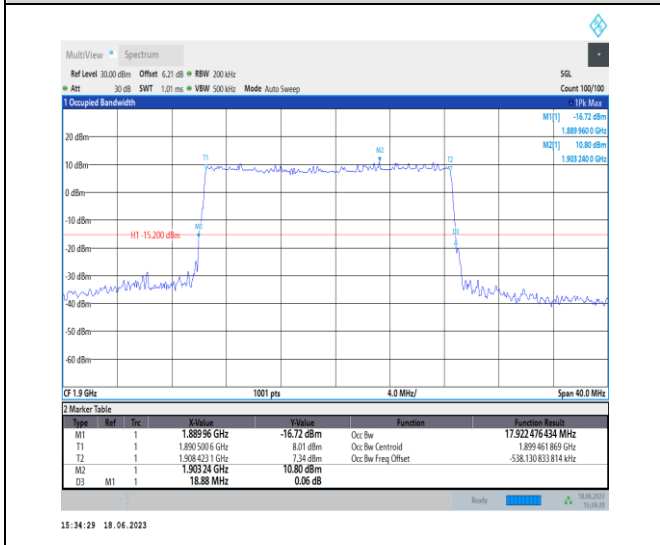
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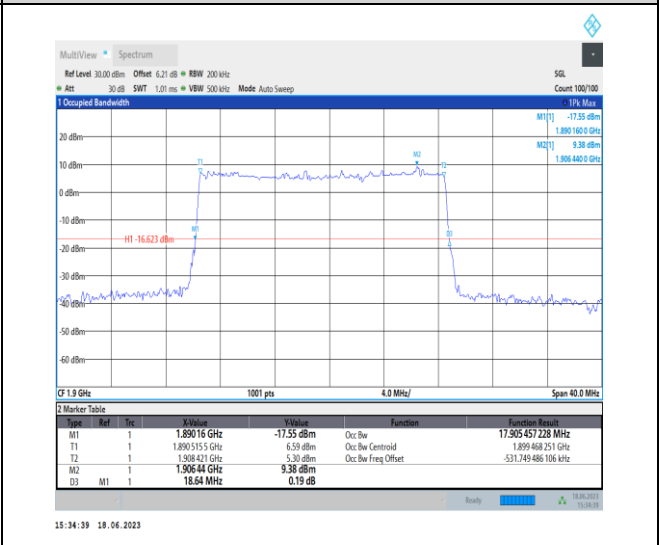
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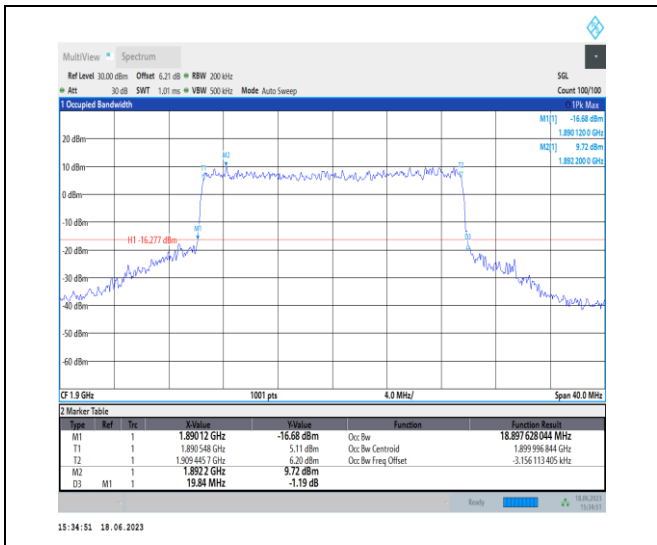
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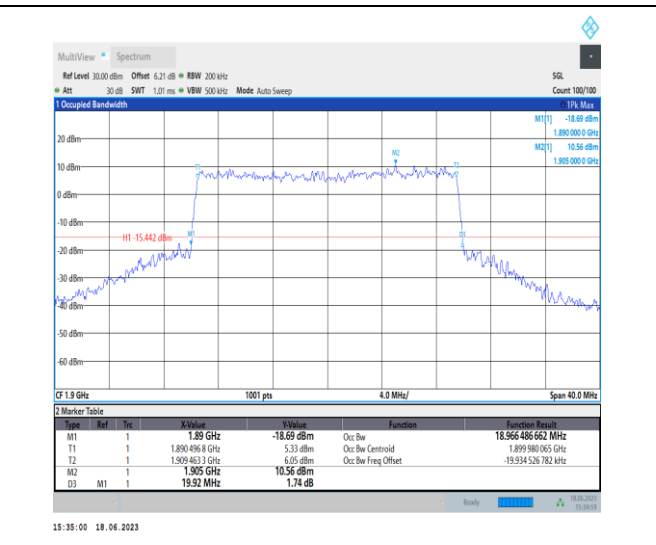
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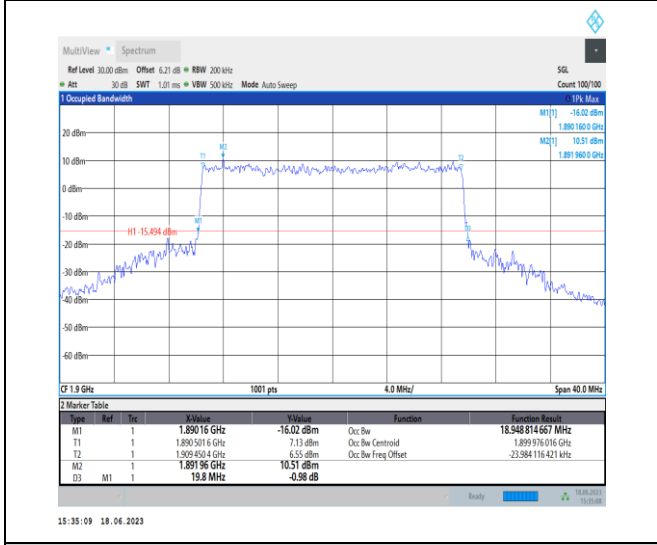
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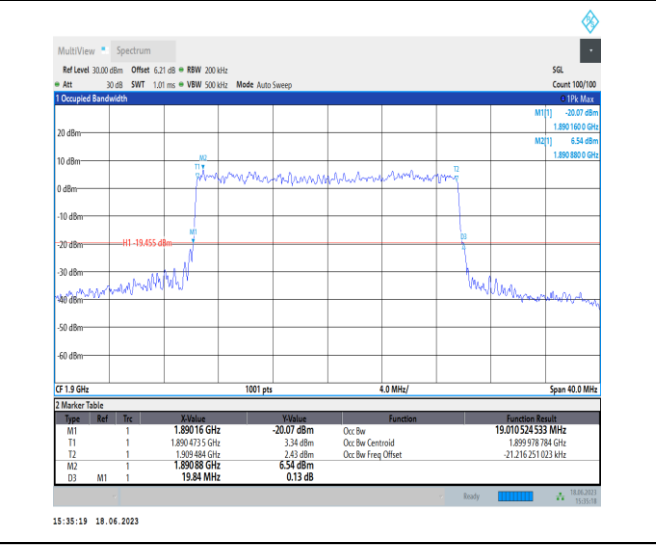
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1-N2-PC3-15-20-H-8-CP-64QAM-Outer_Full-106@0-Ant3-18.949-19.800-<=20-PASS



1-N2-PC3-15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant3-19.011-19.840-<=20-PASS



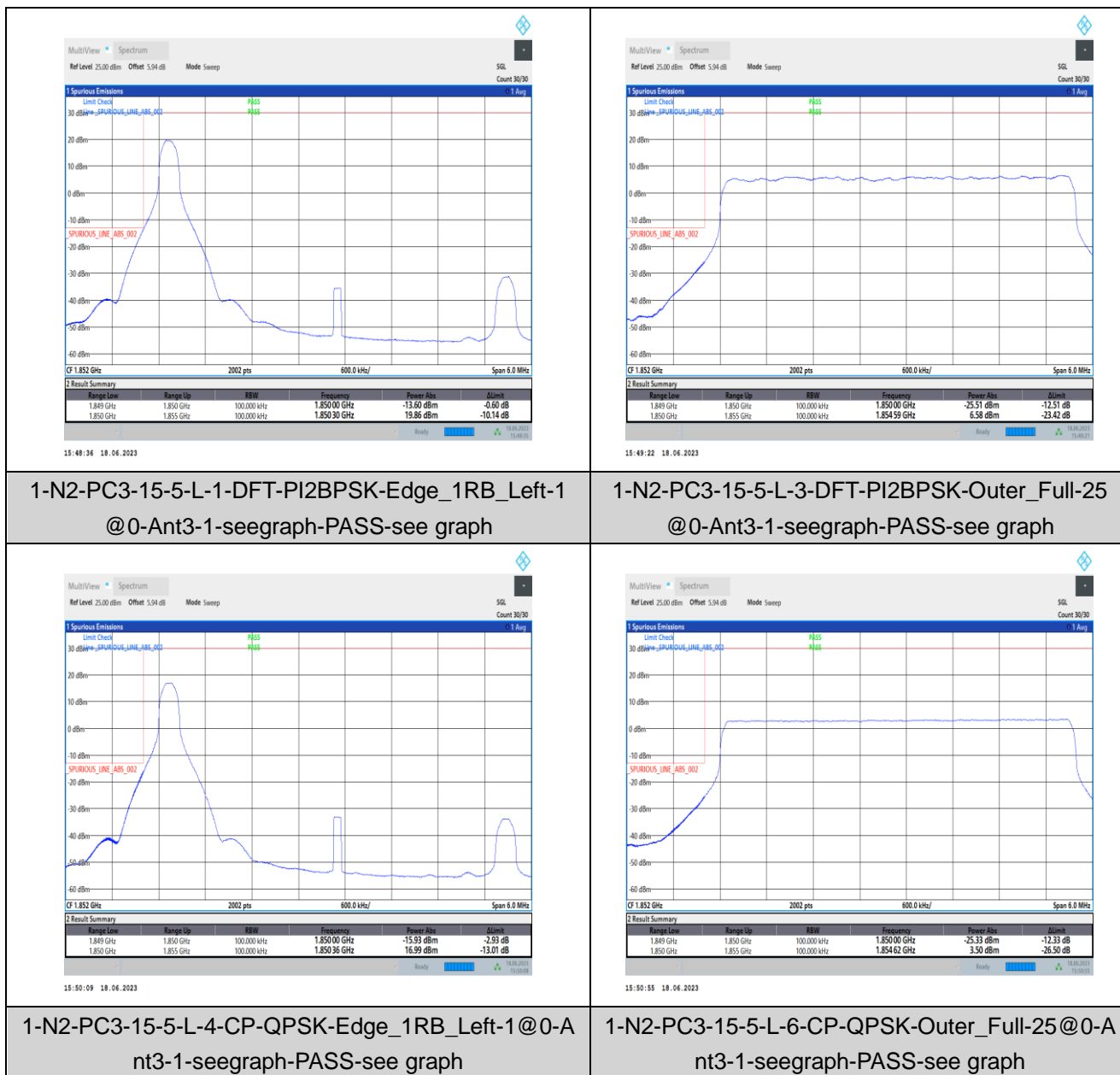
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Band Edge for SA

Test Graphs



1-N2-PC3-15-5-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant3-1-seegraph-PASS-see graph

1-N2-PC3-15-5-L-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant3-1-seegraph-PASS-see graph

1-N2-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N2-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant3-1-seegraph-PASS-see graph

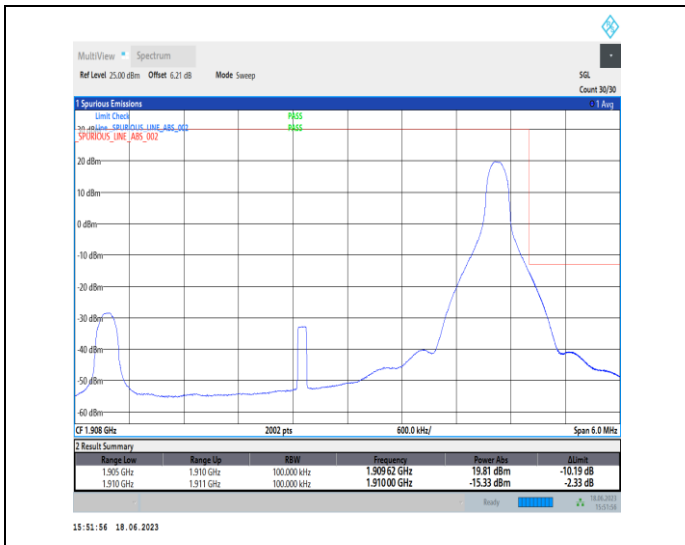


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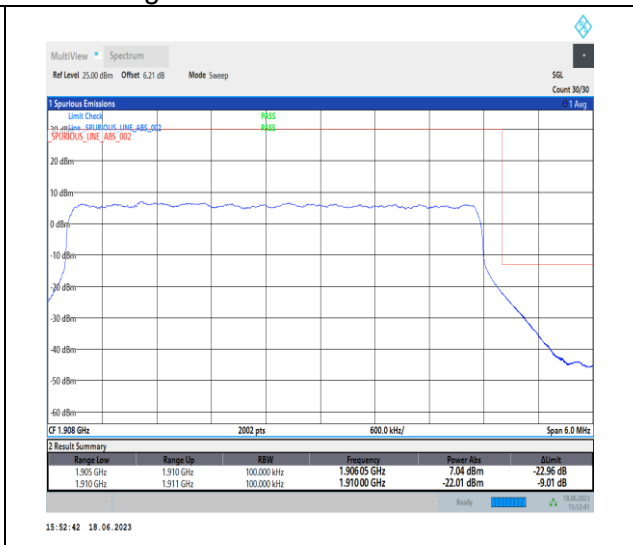
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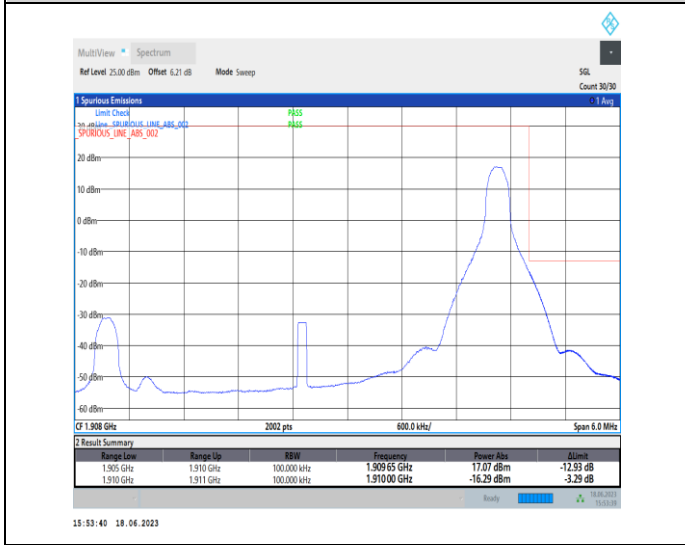
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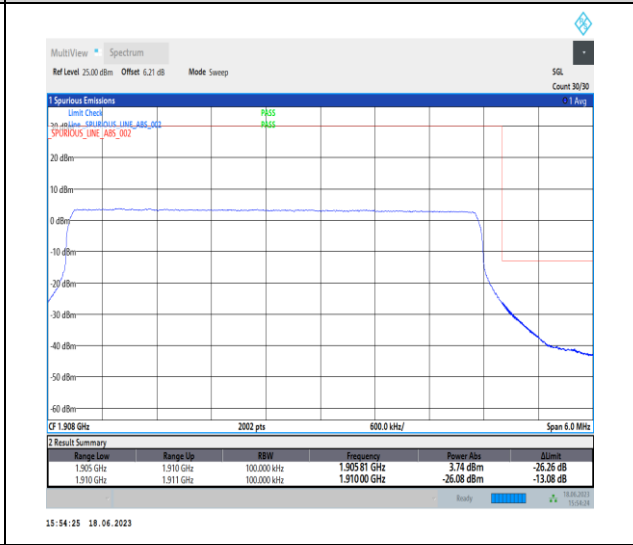
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1-N2-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant3-1-seegraph-PASS-see graph



1-N2-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1 @24-Ant3-1-seegraph-PASS-see graph



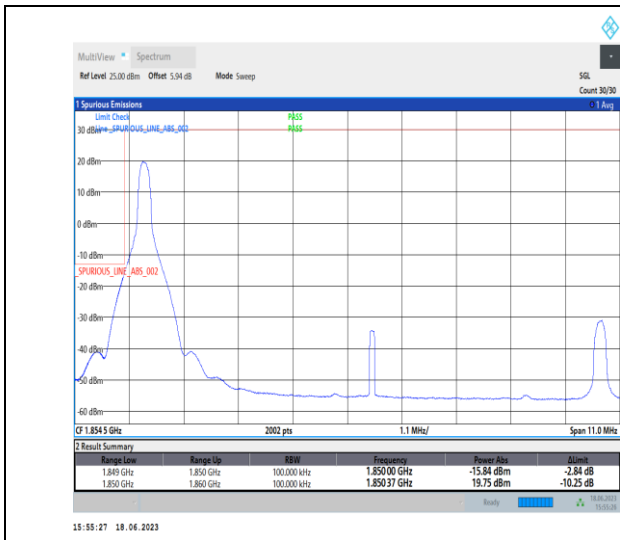
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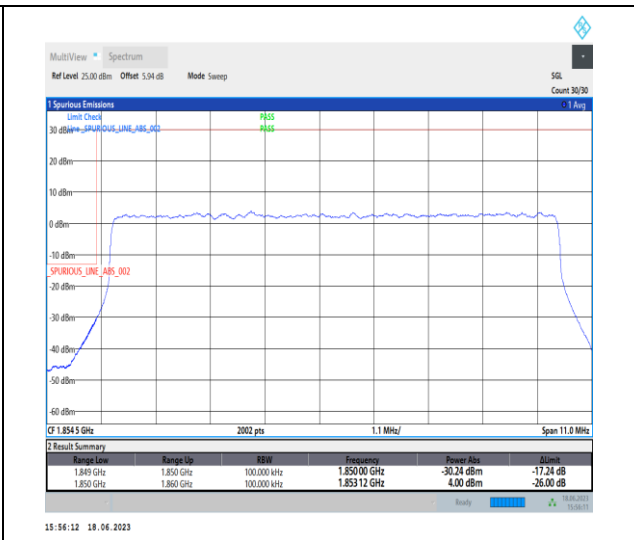
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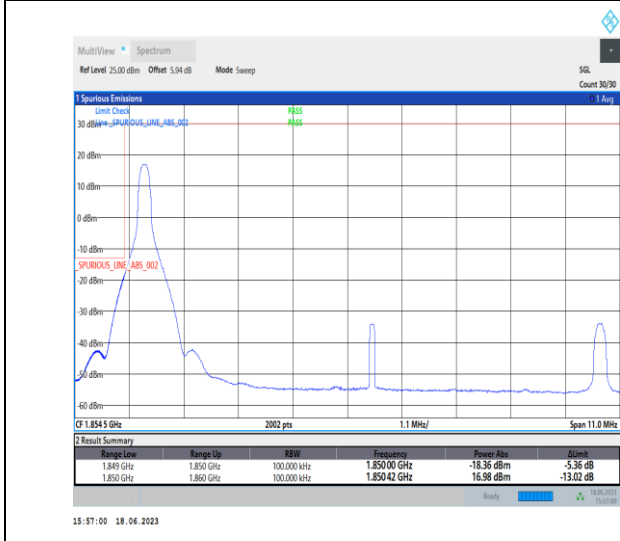
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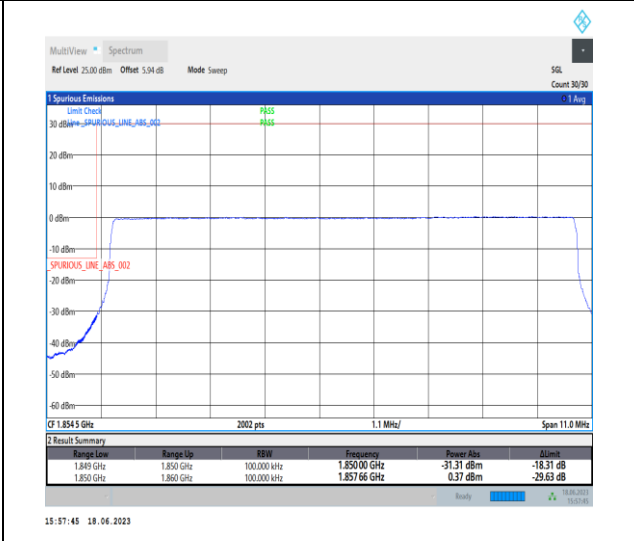
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1-N2-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50 @0-Ant3-1-seegraph-PASS-see graph



1-N2-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1 @0-Ant3-1-seegraph-PASS-see graph



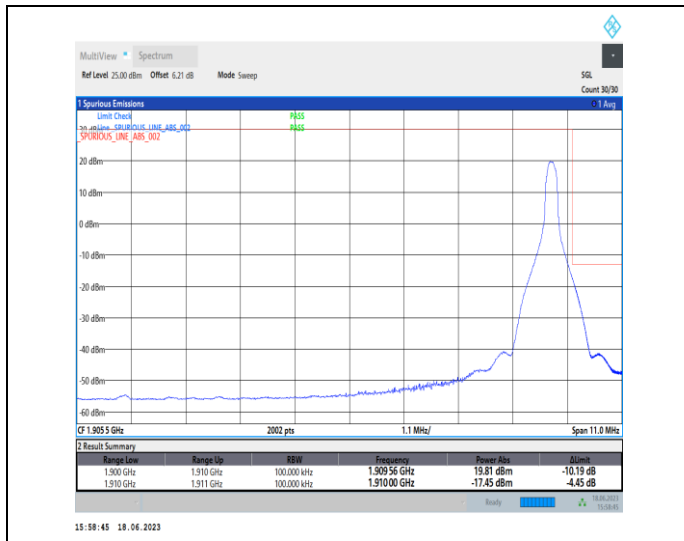
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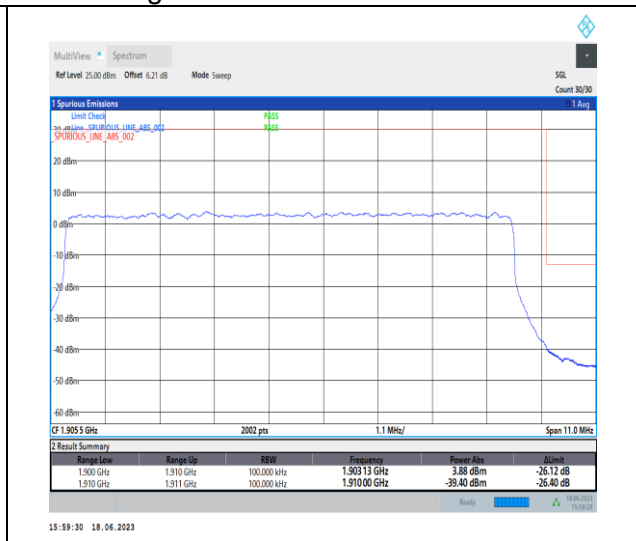
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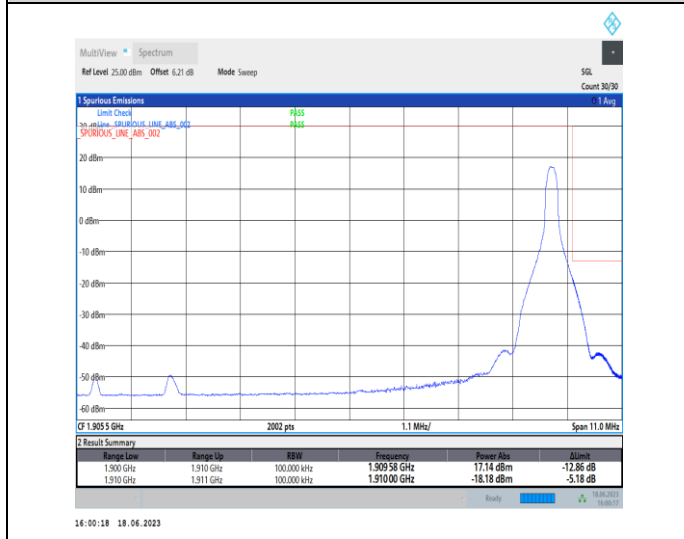
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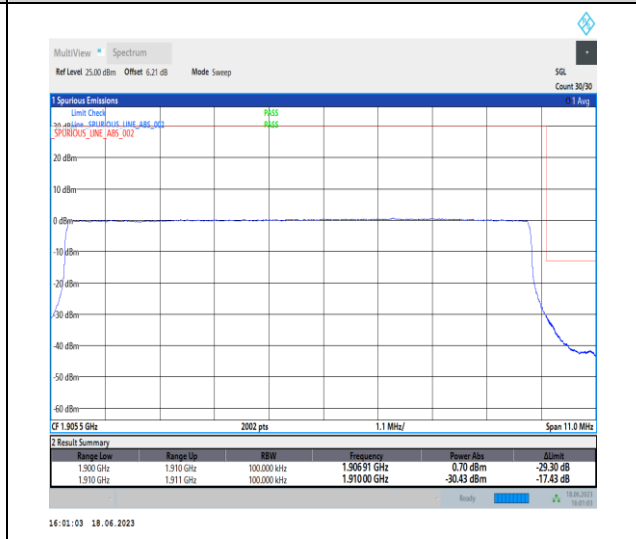
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1-N2-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant3-1-seegraph-PASS-see graph



1-N2-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant3-1-seegraph-PASS-see graph



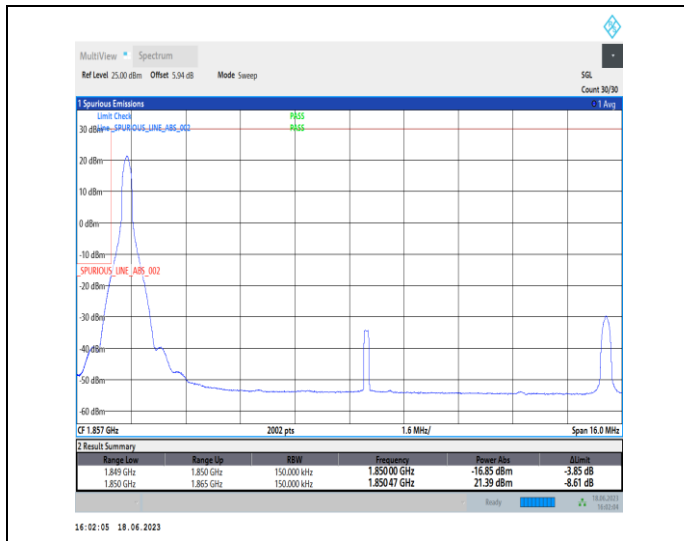
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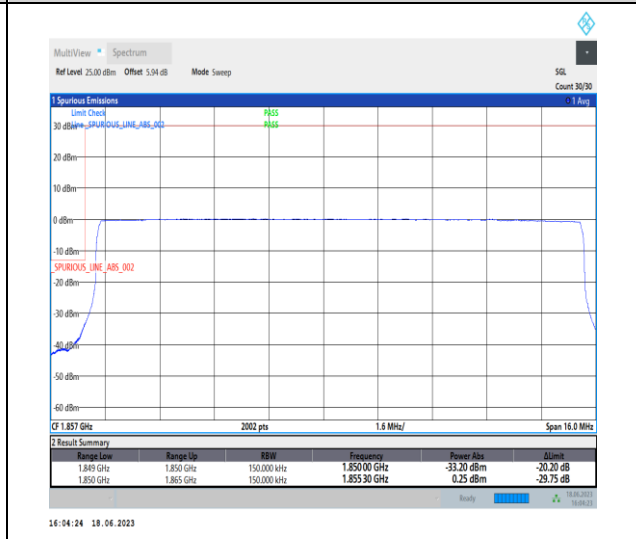
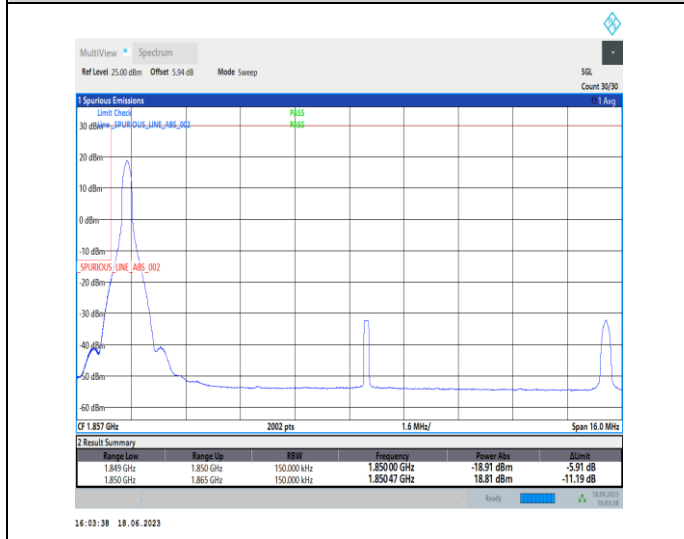
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1-N2-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant3-1-seegraph-PASS-see graph

1-N2-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75 @0-Ant3-1-seegraph-PASS-see graph



1-N2-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

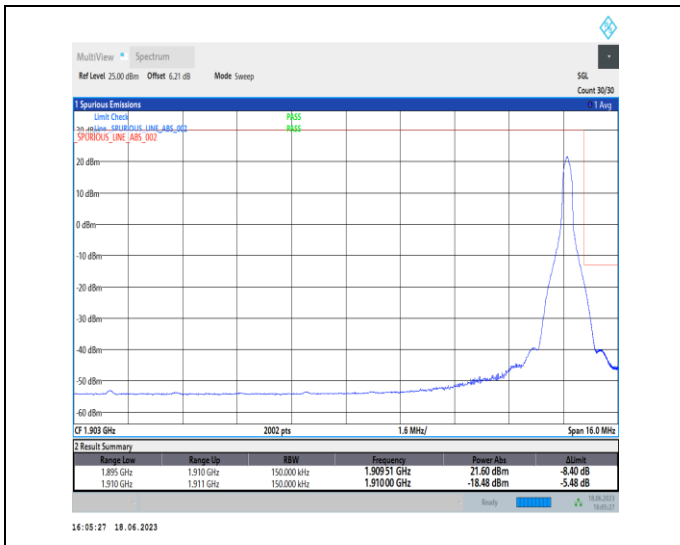
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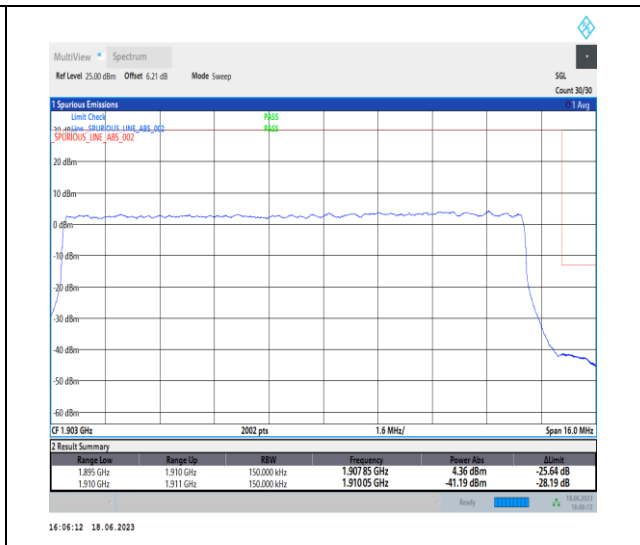
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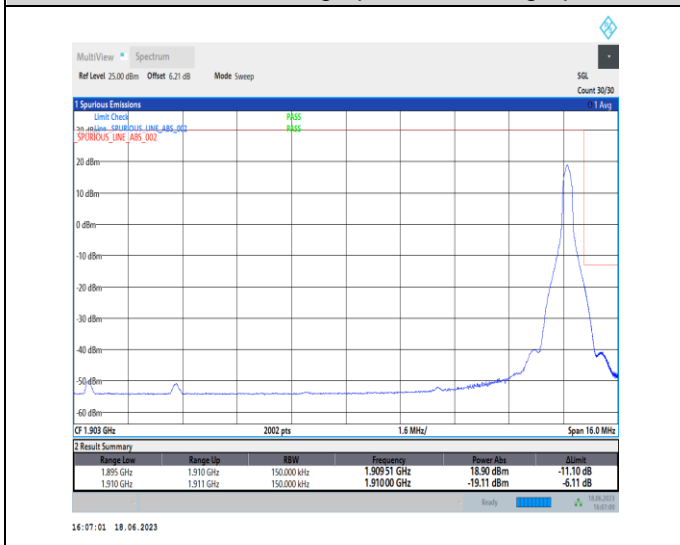
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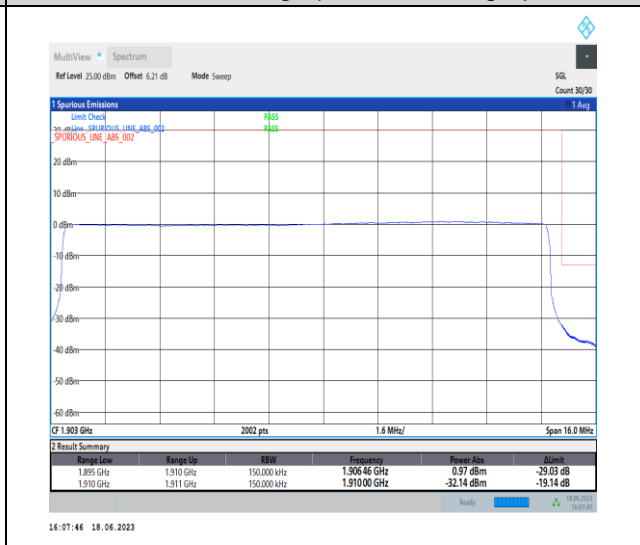
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 @0-Ant3-1-seegraph-PASS-see graph



1-N2-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@
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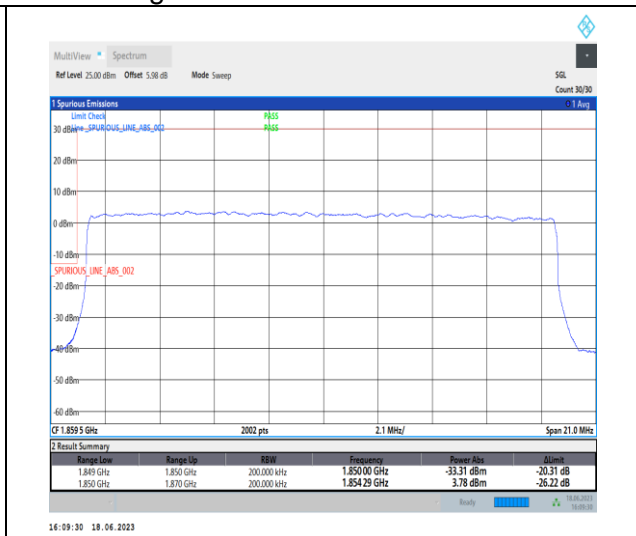
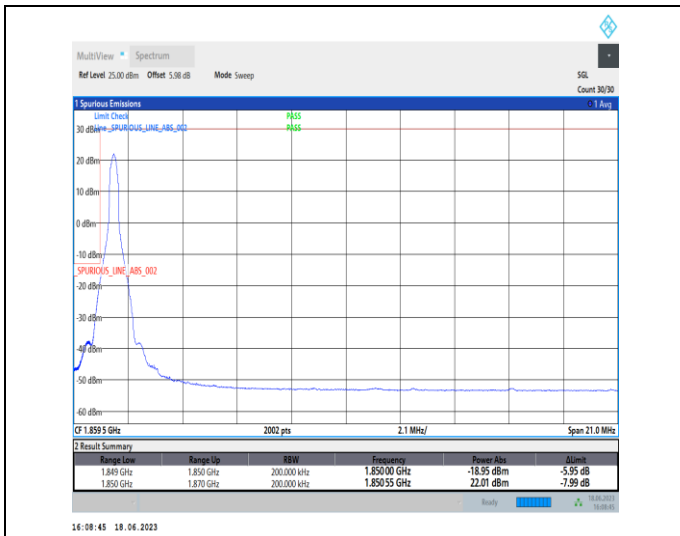
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 Ant3-1-seegraph-PASS-see graph



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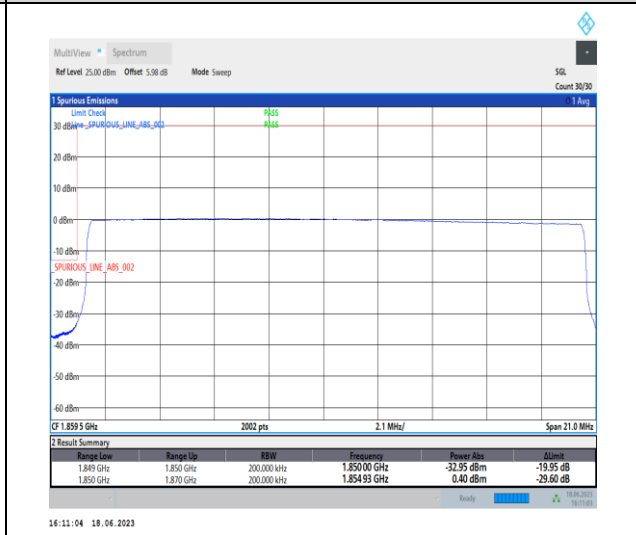
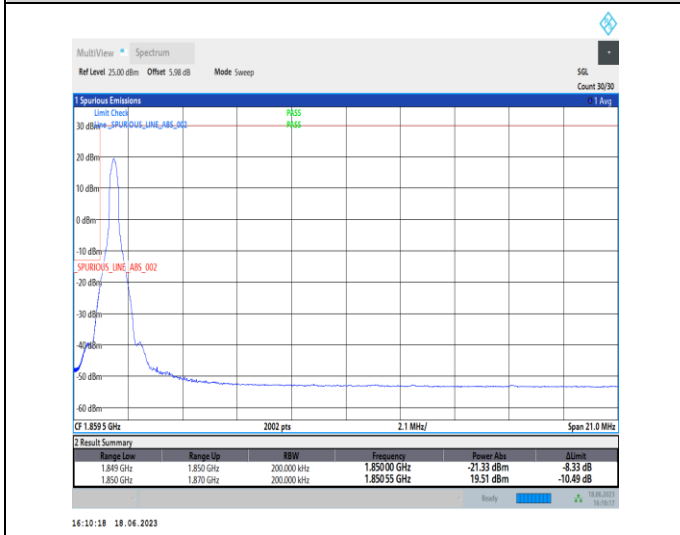
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1-N2-PC3-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1 @0-Ant3-1-seegraph-PASS-see graph

1-N2-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-10 0@0-Ant3-1-seegraph-PASS-see graph



1-N2-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

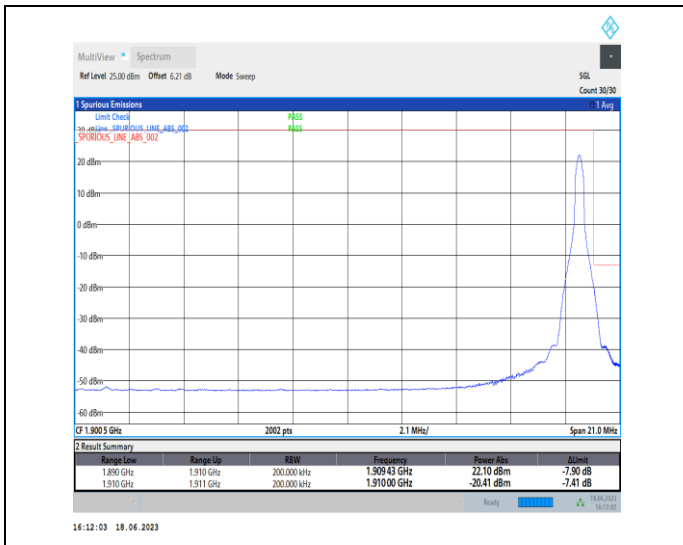
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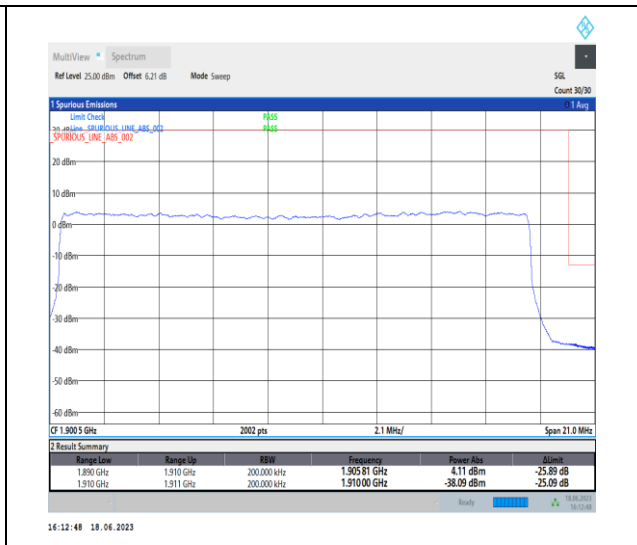
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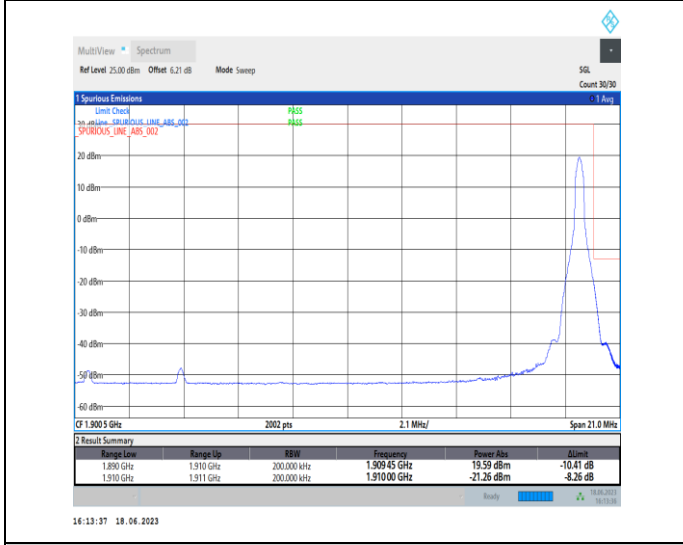
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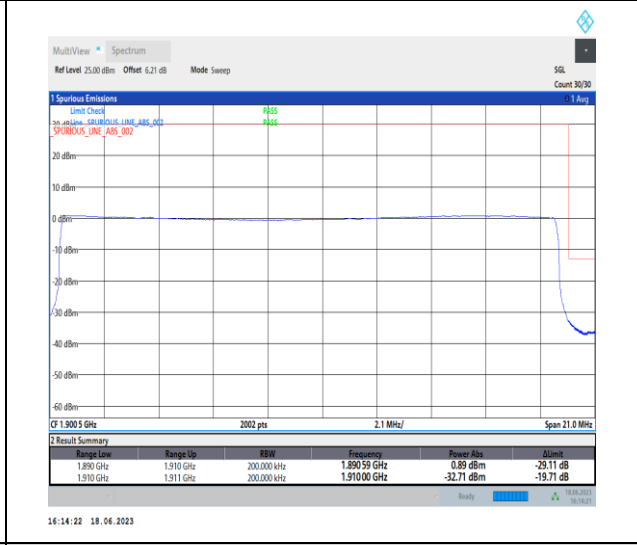
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1-N2-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant3-1-seegraph-PASS-see graph



1-N2-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant3-1-seegraph-PASS-see graph



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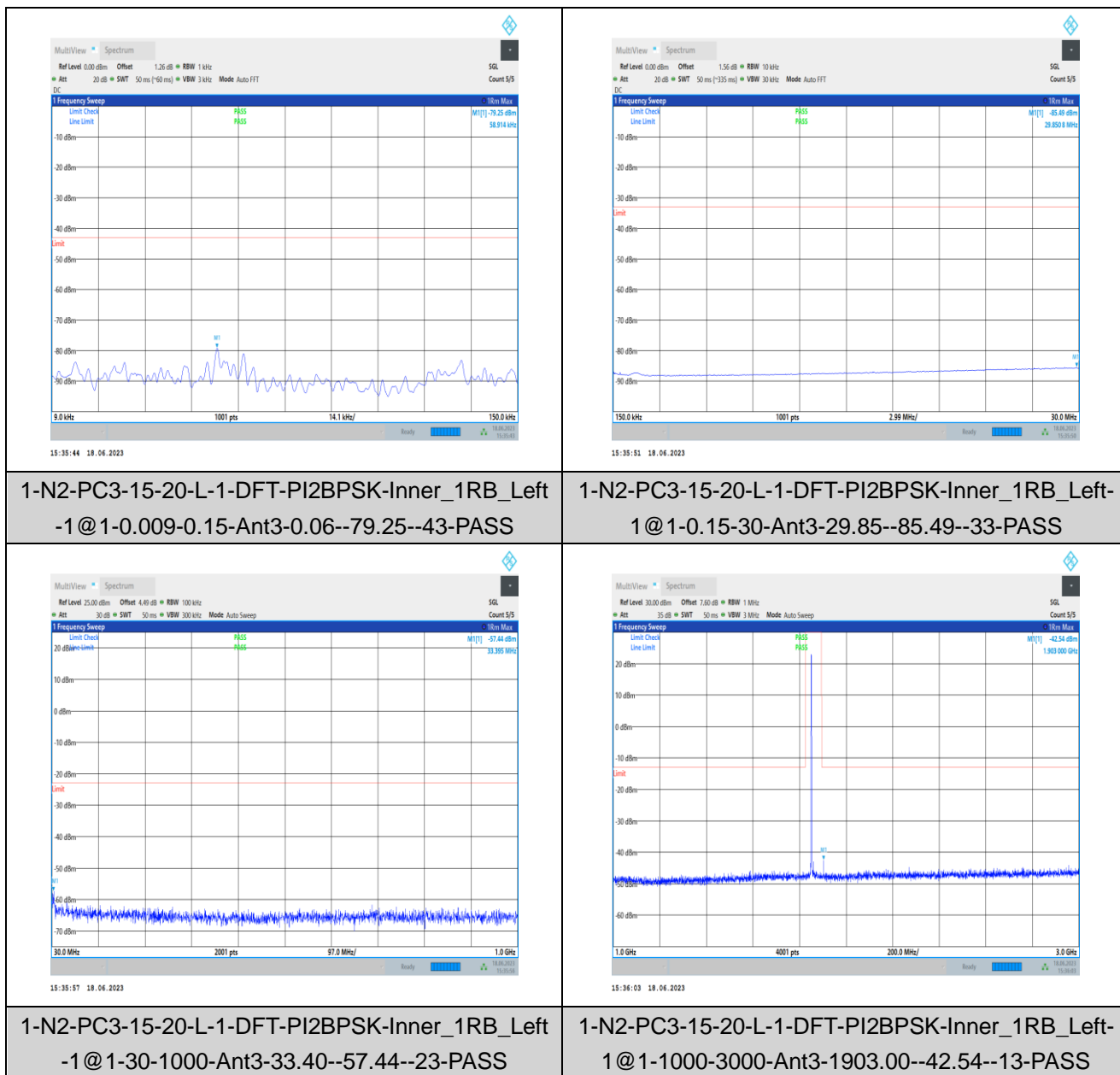
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Conducted Spurious Emission for SA

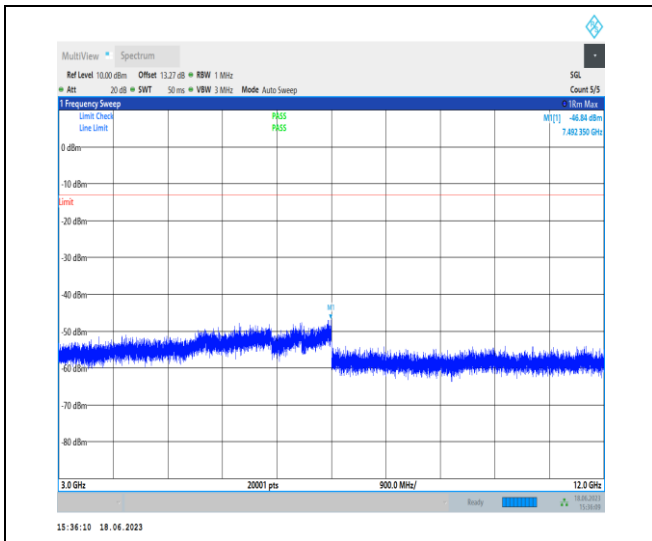
Test Graphs



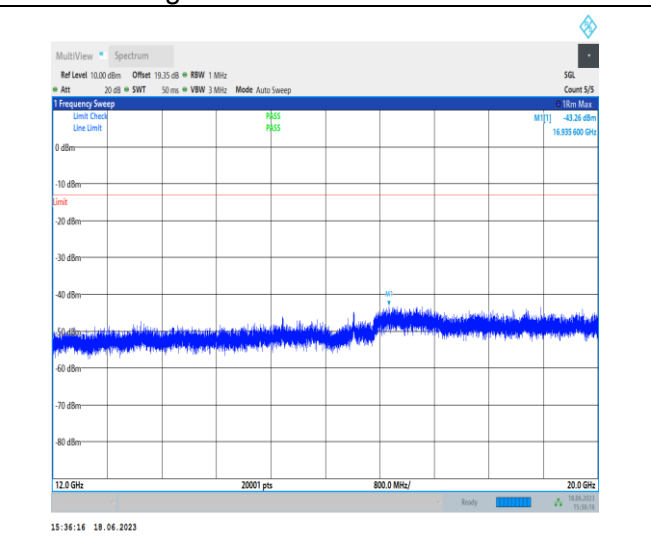
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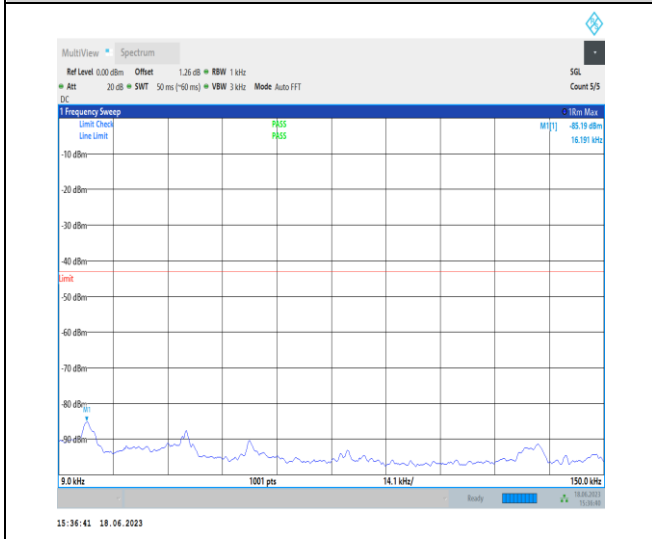
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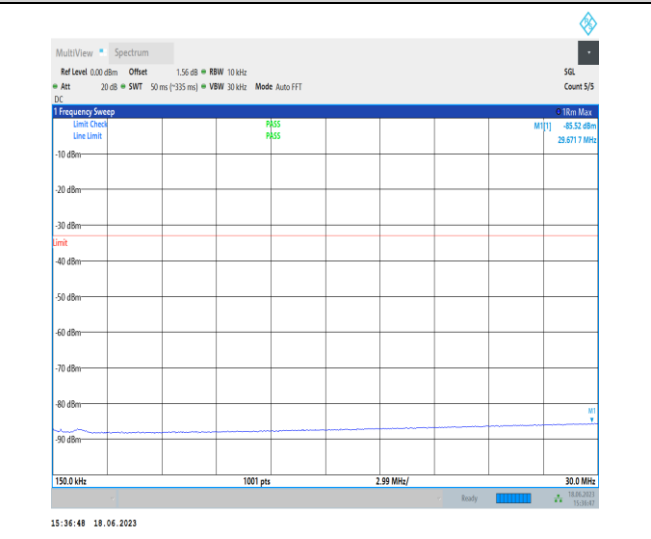
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1-N2-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant3-16935.60--43.26--13-PASS



1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant3-0.02--85.19--43-PASS



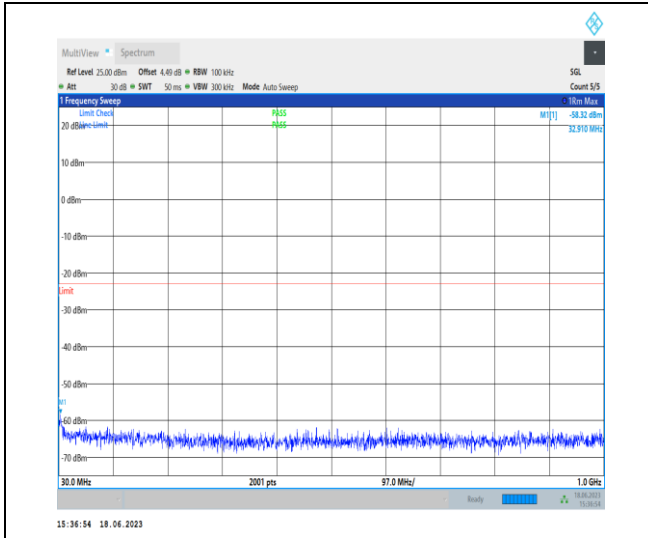
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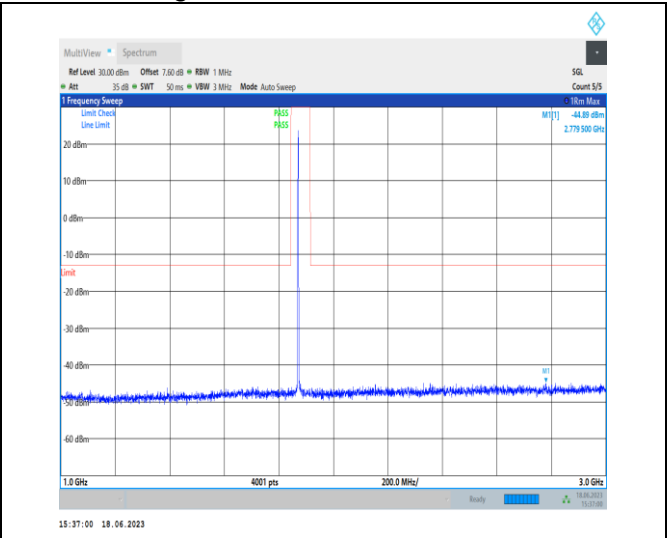
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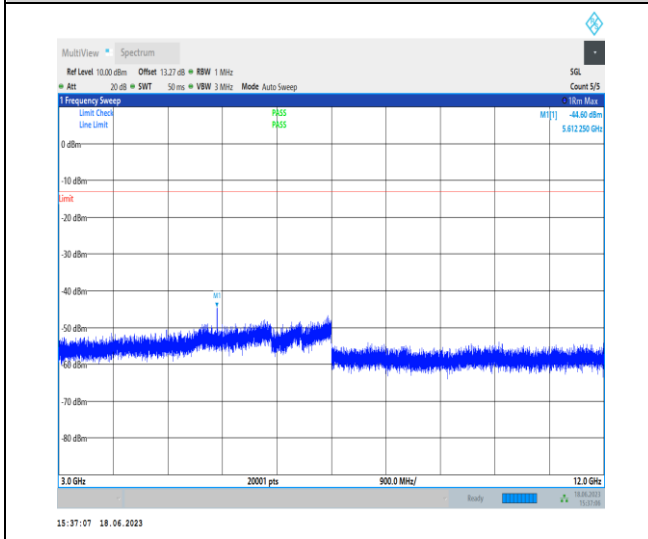
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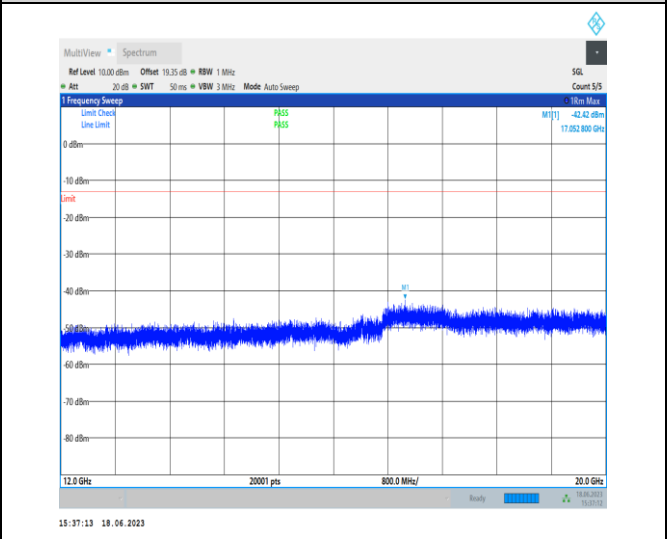
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1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-1000-3000-Ant3-2779.50--44.89--13-PASS



1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-t-1 @ 1-3000-12000-Ant3-5612.25--44.60--13-PASS



1-N2-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1 @ 1-12000-20000-Ant3-17052.80--42.42--13-PASS

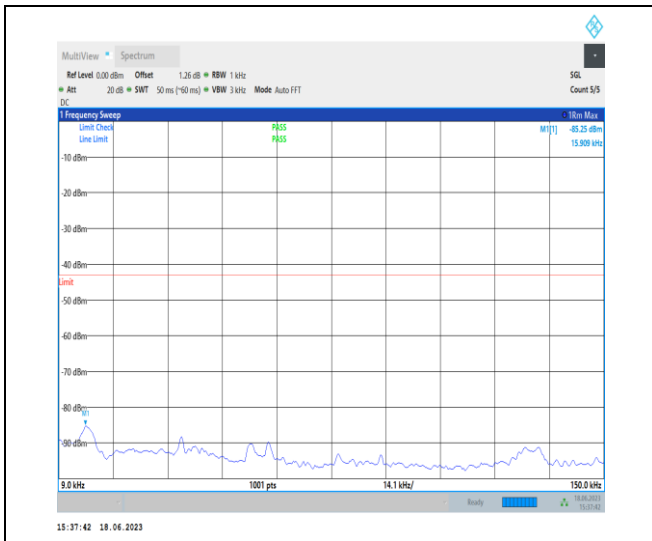


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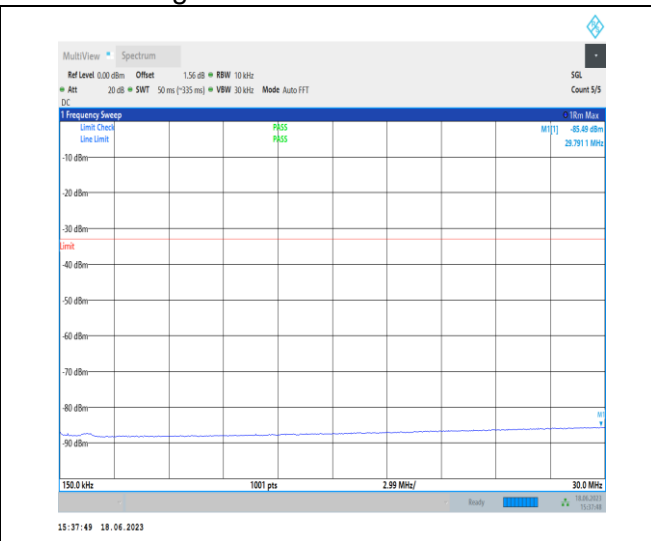
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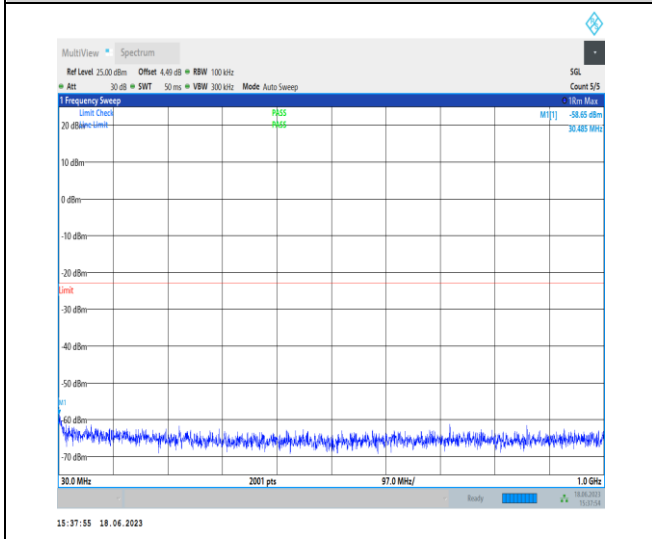
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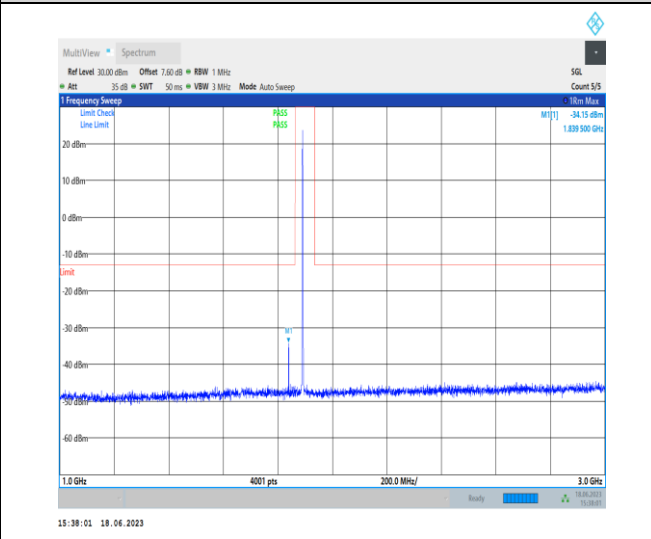
1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-0.009-0.15-Ant3-0.02--85.25--43-PASS



1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant3-29.79--85.49--33-PASS



1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-30-1000-Ant3-30.49--58.65--23-PASS



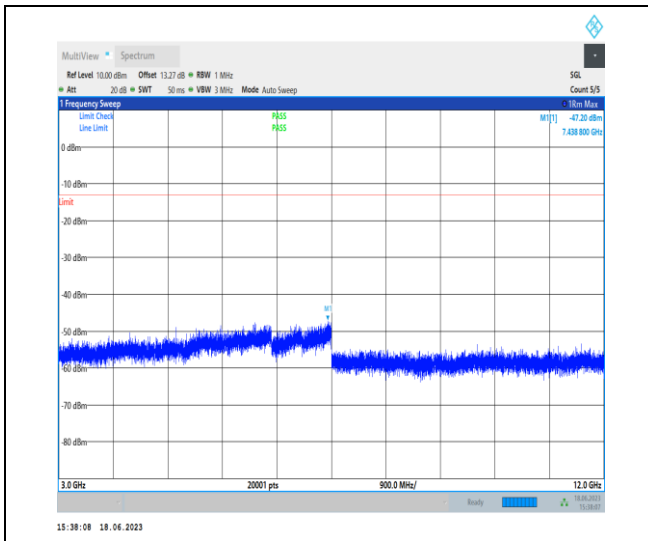
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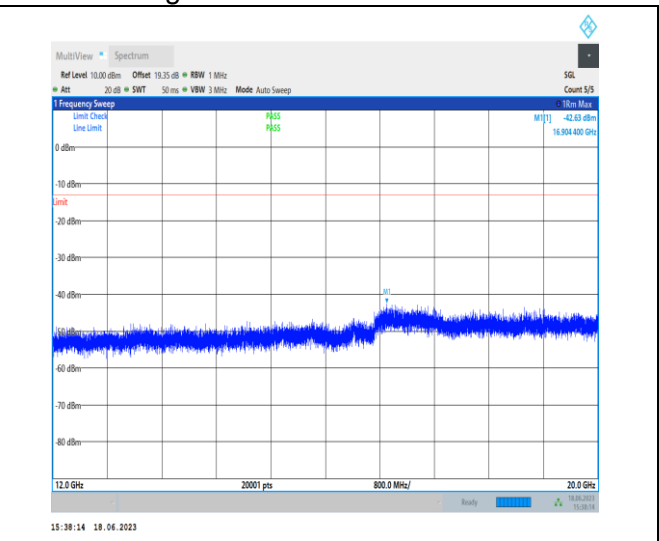
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1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Lef-t-1@1-3000-12000-Ant3-7438.80--47.20--13-PASS



1-N2-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant3-16904.40--42.63--13-PASS



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Field Strength of Spurious Radiation(Worse)

Test Band = SA Band2_ TM1_20MHz
 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	4089	42.28	-45.79	29.31	-69.46	-13.00	56.46	126	286	Horizontal
2	4725.75	41.78	-45.58	30.80	-68.27	-13.00	55.27	174	301	Horizontal
3	6722.25	40.63	-43.89	34.70	-63.82	-13.00	50.82	158	181	Horizontal
4	8055	38.47	-41.81	36.77	-61.82	-13.00	48.82	136	165	Horizontal
5	10347.75	35.09	-39.05	38.37	-60.85	-13.00	47.85	251	165	Horizontal
6	13603.5	32.67	-36.08	40.19	-58.49	-13.00	45.49	162	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	4449.75	41.98	-45.77	30.18	-68.87	-13.00	55.87	158	224	Vertical
2	5485.5	41.27	-45.25	32.57	-66.67	-13.00	53.67	142	43	Vertical
3	7035.75	40.11	-43.79	35.30	-63.64	-13.00	50.64	166	238	Vertical
4	7782	39.19	-42.46	36.71	-61.81	-13.00	48.81	256	163	Vertical
5	9632.25	35.69	-39.60	37.50	-61.66	-13.00	48.66	236	299	Vertical
6	12061.5	33.10	-37.45	38.82	-60.79	-13.00	47.79	219	178	Vertical



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Test Band = SA Band2_ TM1_20MHz
 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	4227	41.95	-45.71	29.64	-69.37	-13.00	56.37	187	74	Horizontal
2	5134.5	40.93	-45.34	31.72	-67.95	-13.00	54.95	145	0	Horizontal
3	6501	40.67	-44.61	34.30	-64.90	-13.00	51.90	165	17	Horizontal
4	7359	39.83	-43.55	36.21	-62.77	-13.00	49.77	259	286	Horizontal
5	9645	35.72	-39.57	37.53	-61.58	-13.00	48.58	158	104	Horizontal
6	11954.25	32.31	-37.39	38.80	-61.54	-13.00	48.54	135	165	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	4887.75	42.43	-45.53	31.15	-67.21	-13.00	54.21	258	360	Vertical
2	6019.5	40.83	-44.76	32.76	-66.42	-13.00	53.42	147	73	Vertical
3	7392	40.28	-43.44	36.30	-62.12	-13.00	49.12	186	134	Vertical
4	8326.5	38.76	-41.86	36.64	-61.72	-13.00	48.72	256	270	Vertical
5	10083.75	35.32	-39.14	38.24	-60.84	-13.00	47.84	136	344	Vertical
6	13368.75	32.46	-36.49	39.76	-59.52	-13.00	46.52	111	344	Vertical



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Test Band = SA Band2_ TM1_20MHz

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	3584.25	42.92	-46.15	28.68	-69.81	-13.00	56.81	185	16	Horizontal
2	4595.25	41.64	-45.67	30.51	-68.78	-13.00	55.78	146	346	Horizontal
3	5802.75	40.76	-44.76	32.66	-66.60	-13.00	53.60	166	150	Horizontal
4	6801	41.29	-44.17	34.84	-63.30	-13.00	50.30	225	357	Horizontal
5	8646.75	38.10	-41.50	36.48	-62.18	-13.00	49.18	291	330	Horizontal
6	11217	33.62	-37.40	38.72	-60.31	-13.00	47.31	135	135	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	4110.75	42.02	-45.76	29.37	-69.64	-13.00	56.64	155	16	Vertical
2	4885.5	41.33	-45.53	31.15	-68.31	-13.00	55.31	184	227	Vertical
3	6390	40.57	-44.42	33.95	-65.17	-13.00	52.17	175	59	Vertical
4	7697.25	40.00	-43.11	36.68	-61.70	-13.00	48.70	186	135	Vertical
5	9315.75	36.89	-40.16	36.90	-61.63	-13.00	48.63	259	358	Vertical
6	11144.25	33.07	-37.71	38.71	-61.19	-13.00	48.19	133	344	Vertical



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Test Band = NSA 4A-N2A_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	4599	41.70	-45.67	30.52	-68.71	-13.00	55.71	165	357	Horizontal
2	5502	41.09	-45.24	32.60	-66.81	-13.00	53.81	148	105	Horizontal
3	6438.75	40.48	-44.49	34.10	-65.16	-13.00	52.16	175	105	Horizontal
4	7877.25	38.95	-42.70	36.75	-62.26	-13.00	49.26	155	29	Horizontal
5	8808.75	37.40	-41.25	36.40	-62.71	-13.00	49.71	192	1	Horizontal
6	11253	33.46	-37.41	38.73	-60.48	-13.00	47.48	153	150	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	3978	41.89	-46.09	29.08	-70.38	-13.00	57.38	241	73	Vertical
2	4944.75	41.45	-45.58	31.28	-68.11	-13.00	55.11	158	316	Vertical
3	6103.5	40.64	-44.46	33.03	-66.05	-13.00	53.05	196	209	Vertical
4	7638.75	39.43	-43.00	36.66	-62.18	-13.00	49.18	136	4	Vertical
5	8691.75	37.73	-41.66	36.45	-62.74	-13.00	49.74	251	330	Vertical
6	11145	32.68	-37.71	38.71	-61.57	-13.00	48.57	147	164	Vertical



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Test Band = NSA 4A-N2A_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	4905.75	41.84	-45.54	31.19	-67.76	-13.00	54.76	126	346	Horizontal
2	6737.25	40.52	-43.94	34.73	-63.96	-13.00	50.96	254	0	Horizontal
3	8037.75	38.01	-41.98	36.78	-62.45	-13.00	49.45	175	2	Horizontal
4	9424.5	36.05	-39.93	37.11	-62.03	-13.00	49.03	188	239	Horizontal
5	11271	32.81	-37.41	38.73	-61.13	-13.00	48.13	196	330	Horizontal
6	13539.75	31.66	-36.65	40.07	-60.17	-13.00	47.17	142	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	4103.25	41.32	-45.76	29.35	-70.35	-13.00	57.35	148	359	Vertical
2	5504.25	41.64	-45.23	32.60	-66.25	-13.00	53.25	155	353	Vertical
3	6620.25	40.68	-44.24	34.52	-64.30	-13.00	51.30	196	135	Vertical
4	7655.25	39.23	-43.03	36.66	-62.40	-13.00	49.40	136	343	Vertical
5	9328.5	36.39	-40.11	36.92	-62.05	-13.00	49.05	258	316	Vertical
6	11169	33.12	-37.57	38.72	-60.99	-13.00	47.99	174	240	Vertical



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Test Band = NSA 4A-N2A_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	4557	41.79	-45.69	30.43	-68.73	-13.00	55.73	165	0	Horizontal
2	5689.5	40.62	-44.87	32.64	-66.88	-13.00	53.88	155	314	Horizontal
3	6972	40.20	-43.70	35.15	-63.61	-13.00	50.61	188	8	Horizontal
4	7702.5	39.84	-43.10	36.68	-61.84	-13.00	48.84	172	60	Horizontal
5	8805	38.27	-41.25	36.40	-61.84	-13.00	48.84	142	16	Horizontal
6	12212.25	32.65	-37.48	38.86	-61.23	-13.00	48.23	199	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	4857.75	41.47	-45.53	31.09	-68.24	-13.00	55.24	248	360	Vertical
2	5841.75	40.54	-44.84	32.67	-66.89	-13.00	53.89	159	360	Vertical
3	6819.75	40.43	-44.16	34.88	-64.11	-13.00	51.11	175	239	Vertical
4	7776	39.20	-42.50	36.71	-61.85	-13.00	48.85	136	270	Vertical
5	8913	37.20	-41.21	36.34	-62.93	-13.00	49.93	256	177	Vertical
6	11270.25	33.05	-37.41	38.73	-60.89	-13.00	47.89	140	59	Vertical



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Test Band = NSA 5A-N2A_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	4598.25	42.92	-45.67	30.52	-67.49	-13.00	54.49	266	90	Horizontal
2	5930.25	40.69	-44.93	32.69	-66.81	-13.00	53.81	251	120	Horizontal
3	7662	39.81	-43.05	36.66	-61.83	-13.00	48.83	231	0	Horizontal
4	8685	38.24	-41.64	36.46	-62.20	-13.00	49.20	166	286	Horizontal
5	10950.75	32.68	-37.83	38.68	-61.73	-13.00	48.73	257	44	Horizontal
6	12919.5	32.30	-37.15	39.08	-61.04	-13.00	48.04	175	29	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	4437	41.60	-45.78	30.15	-69.29	-13.00	56.29	284	357	Vertical
2	5908.5	40.93	-44.96	32.68	-66.61	-13.00	53.61	155	4	Vertical
3	7192.5	39.63	-43.48	35.74	-63.37	-13.00	50.37	175	195	Vertical
4	8345.25	38.74	-41.76	36.63	-61.65	-13.00	48.65	146	353	Vertical
5	10697.25	33.55	-37.90	38.55	-61.06	-13.00	48.06	196	357	Vertical
6	13711.5	32.81	-36.19	40.38	-58.26	-13.00	45.26	258	91	Vertical



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Test Band = NSA 5A-N2A_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	4083.75	41.63	-45.81	29.30	-70.13	-13.00	57.13	233	330	Horizontal
2	6360.75	40.25	-44.46	33.85	-65.62	-13.00	52.62	152	16	Horizontal
3	7436.25	40.36	-43.31	36.42	-61.79	-13.00	48.79	145	1	Horizontal
4	8785.5	37.70	-41.31	36.41	-62.47	-13.00	49.47	175	330	Horizontal
5	9835.5	35.37	-39.43	37.89	-61.43	-13.00	48.43	196	104	Horizontal
6	11892	31.82	-37.09	38.79	-61.74	-13.00	48.74	254	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	4452.75	41.80	-45.76	30.19	-69.04	-13.00	56.04	158	254	Vertical
2	5505	40.86	-45.23	32.60	-67.03	-13.00	54.03	175	59	Vertical
3	6777.75	40.64	-44.09	34.80	-63.91	-13.00	50.91	169	44	Vertical
4	8077.5	37.64	-41.58	36.76	-62.44	-13.00	49.44	182	360	Vertical
5	9652.5	35.60	-39.55	37.54	-61.67	-13.00	48.67	145	300	Vertical
6	11596.5	31.78	-36.91	38.76	-61.63	-13.00	48.63	136	360	Vertical



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Test Band = NSA 5A-N2A_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	4096.5	41.97	-45.77	29.33	-69.73	-13.00	56.73	266	29	Horizontal
2	5502	40.67	-45.24	32.60	-67.23	-13.00	54.23	254	316	Horizontal
3	6781.5	40.68	-44.10	34.81	-63.88	-13.00	50.88	175	331	Horizontal
4	7655.25	39.52	-43.03	36.66	-62.11	-13.00	49.11	142	90	Horizontal
5	9318.75	37.20	-40.15	36.91	-61.30	-13.00	48.30	135	74	Horizontal
6	11496	32.33	-37.31	38.75	-61.49	-13.00	48.49	288	120	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	4057.5	42.23	-45.88	29.24	-69.67	-13.00	56.67	254	360	Vertical
2	4922.25	41.95	-45.55	31.23	-67.64	-13.00	54.64	163	30	Vertical
3	6462.75	40.56	-44.54	34.18	-65.05	-13.00	52.05	258	271	Vertical
4	7396.5	40.44	-43.42	36.31	-61.93	-13.00	48.93	147	331	Vertical
5	8399.25	38.25	-41.45	36.60	-61.86	-13.00	48.86	189	105	Vertical
6	10583.25	34.03	-38.53	38.49	-61.26	-13.00	48.26	192	255	Vertical



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Test Band = NSA 7A-N2A_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	4752.75	41.48	-45.57	30.86	-68.49	-13.00	55.49	248	76	Horizontal
2	6693	40.37	-43.85	34.65	-64.09	-13.00	51.09	176	0	Horizontal
3	7875	39.26	-42.69	36.75	-61.94	-13.00	48.94	253	181	Horizontal
4	9209.25	36.32	-40.25	36.70	-62.49	-13.00	49.49	158	76	Horizontal
5	10096.5	34.78	-39.12	38.25	-61.36	-13.00	48.36	192	150	Horizontal
6	11289	33.56	-37.42	38.73	-60.39	-13.00	47.39	155	121	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	4890.75	41.99	-45.53	31.16	-67.64	-13.00	54.64	254	360	Vertical
2	5681.25	40.73	-44.89	32.64	-66.79	-13.00	53.79	175	105	Vertical
3	6993.75	39.94	-43.58	35.19	-63.72	-13.00	50.72	189	14	Vertical
4	8803.5	37.94	-41.25	36.40	-62.17	-13.00	49.17	165	43	Vertical
5	10690.5	33.50	-37.94	38.55	-61.15	-13.00	48.15	236	30	Vertical
6	12713.25	32.45	-36.70	39.01	-60.50	-13.00	47.50	251	255	Vertical



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
 Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
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Test Band = NSA 7A-N2A_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	4916.25	42.39	-45.55	31.22	-67.20	-13.00	54.20	175	7	Horizontal
2	5809.5	40.47	-44.77	32.66	-66.90	-13.00	53.90	142	135	Horizontal
3	7375.5	40.02	-43.49	36.25	-62.48	-13.00	49.48	159	90	Horizontal
4	8817	37.70	-41.25	36.39	-62.42	-13.00	49.42	186	120	Horizontal
5	9982.5	35.09	-39.26	38.17	-61.26	-13.00	48.26	258	25	Horizontal
6	12221.25	32.90	-37.47	38.87	-60.97	-13.00	47.97	163	163	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	4929.75	42.05	-45.56	31.25	-67.53	-13.00	54.53	165	105	Vertical
2	5842.5	40.87	-44.84	32.67	-66.57	-13.00	53.57	258	75	Vertical
3	7007.25	39.85	-43.60	35.22	-63.79	-13.00	50.79	147	4	Vertical
4	8043.75	38.57	-41.92	36.78	-61.83	-13.00	48.83	175	301	Vertical
5	10700.25	33.32	-37.88	38.55	-61.27	-13.00	48.27	186	301	Vertical
6	12663.75	32.57	-37.02	39.00	-60.71	-13.00	47.71	259	46	Vertical



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Test Band = NSA 7A-N2A_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	4920	42.24	-45.55	31.22	-67.35	-13.00	54.35	158	91	Horizontal
2	5889.75	41.01	-44.95	32.68	-66.52	-13.00	53.52	175	211	Horizontal
3	7158.75	39.81	-43.75	35.64	-63.55	-13.00	50.55	146	0	Horizontal
4	8345.25	38.74	-41.76	36.63	-61.65	-13.00	48.65	265	0	Horizontal
5	10081.5	34.58	-39.14	38.24	-61.58	-13.00	48.58	281	257	Horizontal
6	12236.25	33.18	-37.46	38.87	-60.67	-13.00	47.67	199	242	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	4736.25	41.72	-45.58	30.82	-68.30	-13.00	55.30	288	239	Vertical
2	5687.25	40.77	-44.88	32.64	-66.73	-13.00	53.73	148	165	Vertical
3	7434	39.87	-43.32	36.42	-62.29	-13.00	49.29	176	314	Vertical
4	10081.5	35.07	-39.14	38.24	-61.09	-13.00	48.09	236	59	Vertical
5	12518.25	32.47	-37.07	38.96	-60.91	-13.00	47.91	251	134	Vertical
6	14497.5	31.54	-34.84	41.10	-57.46	-13.00	44.46	129	358	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-4.900000	-0.002606	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-6.200000	-0.003298	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-3.300000	-0.001755	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VH	NT	-1.300000	-0.000691	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VN	NT	1.900000	0.001011	PASS
N2	15	20	CP-QPSK	M	Outer_Full	VL	NT	5.000000	0.002660	PASS



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Frequency Error VS. Temperature

Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation, (Hz)	Deviation (ppm)	Verdict
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.500000	-0.000798	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.500000	-0.000798	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-6.900000	-0.003670	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.400000	-0.001809	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.900000	-0.001011	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.400000	-0.002872	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-4.000000	-0.002128	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-6.600000	-0.003511	PASS
N2	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-8.600000	-0.004574	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-30	-1.700000	-0.000904	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-20	2.900000	0.001543	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	-10	1.800000	0.000957	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	0	4.600000	0.002447	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	10	3.600000	0.001915	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	20	1.100000	0.000585	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	30	5.400000	0.002872	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	40	2.600000	0.001383	PASS
N2	15	20	CP-QPSK	M	Outer_Full	NV	50	3.300000	0.001755	PASS

---End of Attachment---



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