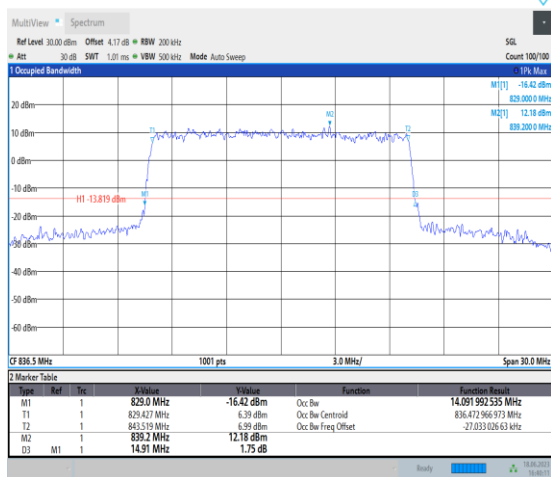


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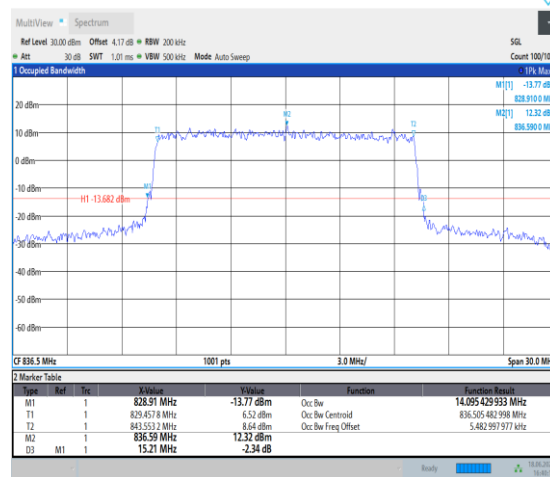
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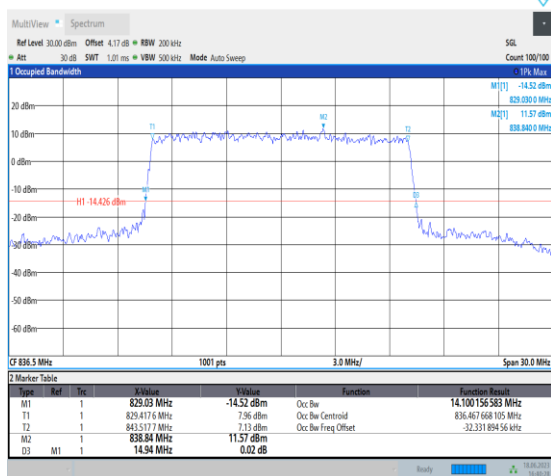
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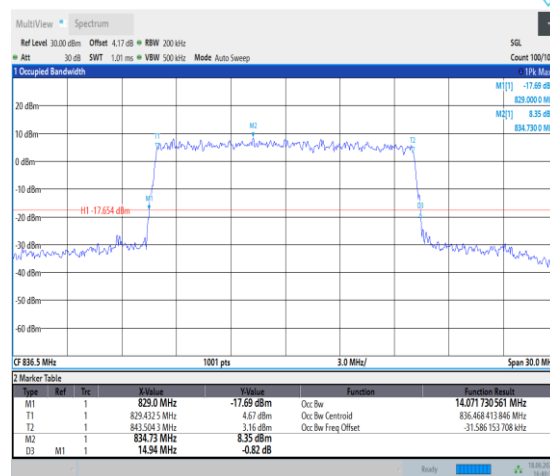
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16:40:28 18.06.2023

1-N5-PC3-15-15-M-8-CP-64QAM-Outter_Full-79@0-A
Ant0-14.1-14.940≤15-PASS



16:40:38 18.06.2023

1-N5-PC3-15-15-M-9-CP-256QAM-Outter_Full-79@0-A
Ant0-14.072-14.940≤15-PASS



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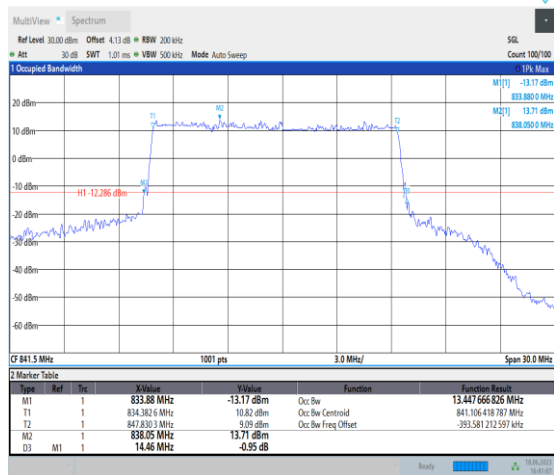
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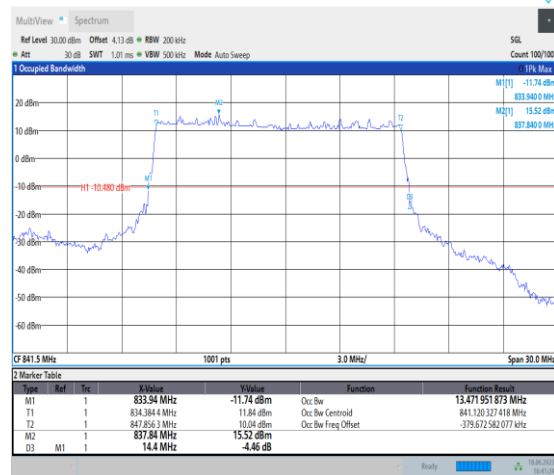
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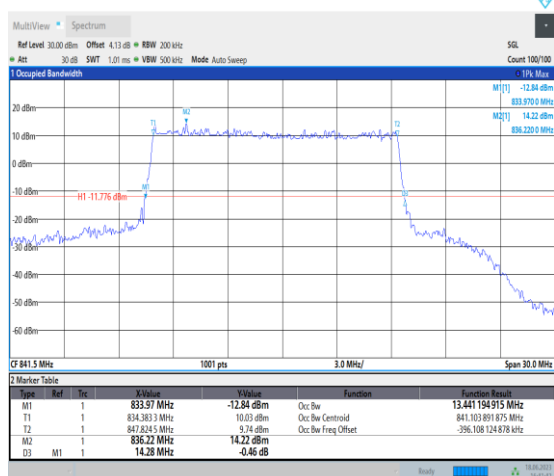
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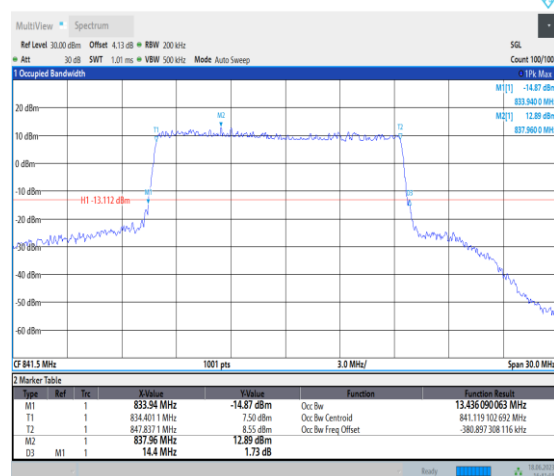
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16:41:42 18.06.2023

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16:41:51 18.06.2023

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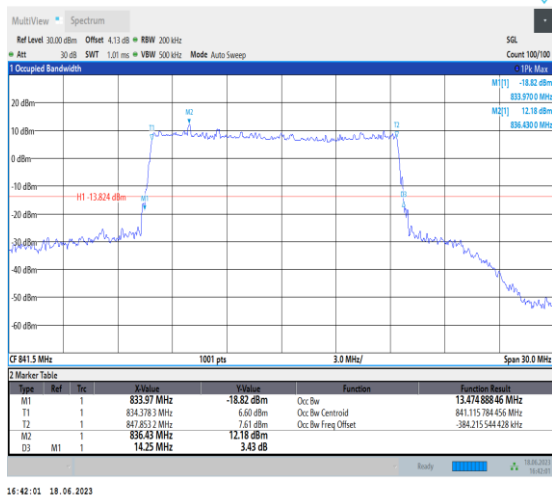
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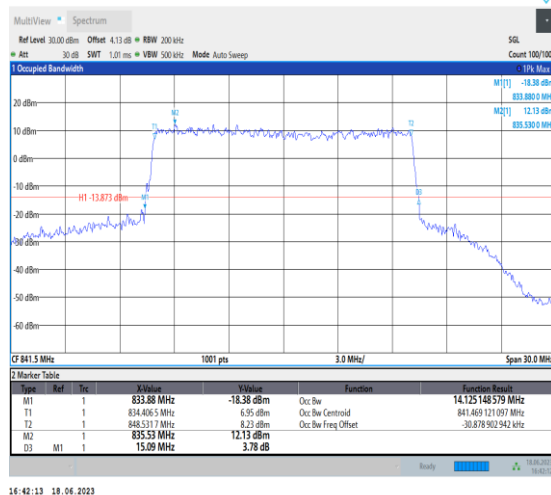
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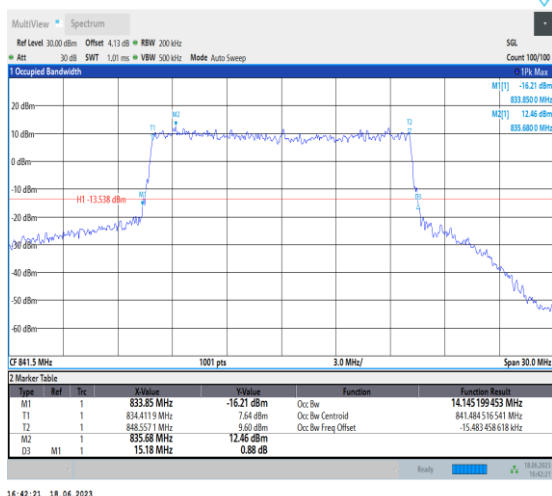
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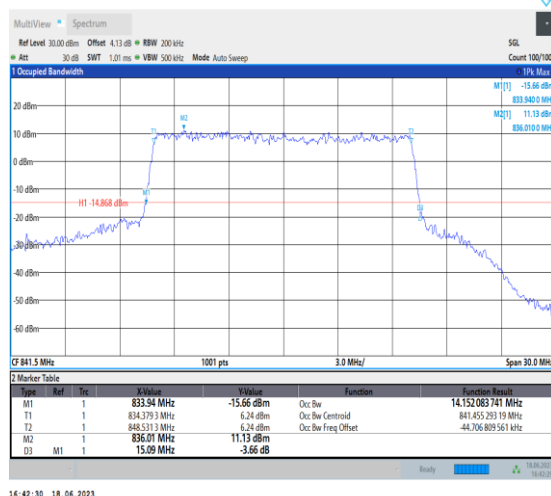
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1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0-14.125-15.090-≤15-PASS



16:42:21 18.06.2023

1-N5-PC3-15-15-H-7-CP-16QAM-Outer_Full-79@0-Ant0-14.145-15.180-≤15-PASS



16:42:30 18.06.2023

1-N5-PC3-15-15-H-8-CP-64QAM-Outer_Full-79@0-Ant0-14.152-15.090-≤15-PASS



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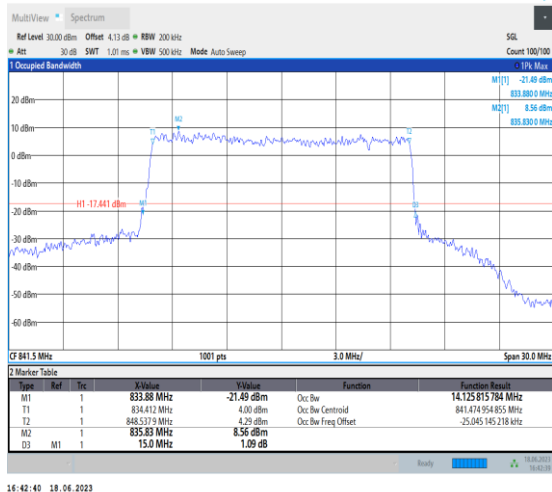
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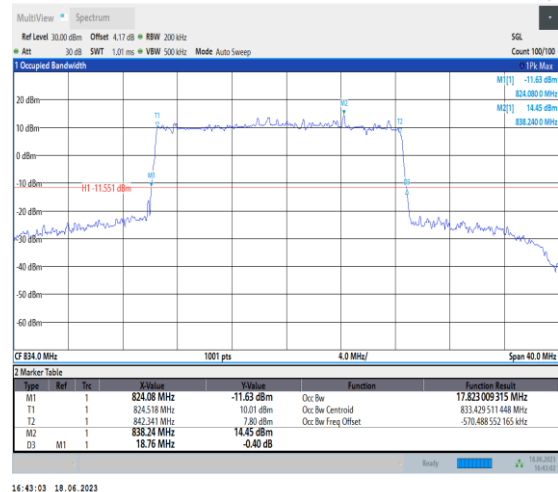
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16:42:40 18.06.2023

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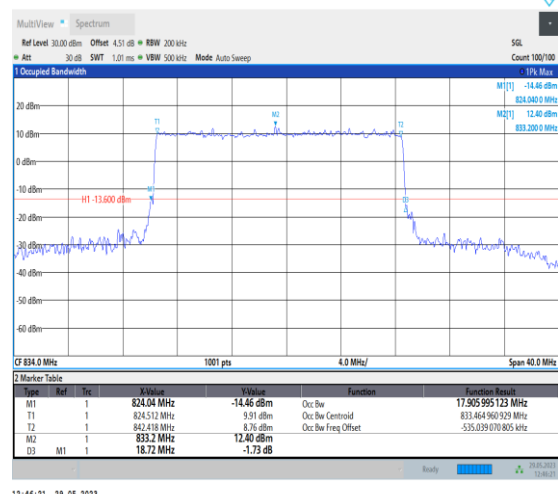
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1-N5-PC3-15-20-L-1-DFT-QPSK-Outer_Full-100@0-
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16:49:40 18.06.2023

1-N5-PC3-15-20-L-2-DFT-PI2BPSK-Outer_Full-100@0-
Ant0-17.851-18.760-≤20-PASS



12:46:21 29.05.2023

1-N5-PC3-15-20-L-3-DFT-16QAM-Outer_Full-100@0-
Ant0-17.905-18.72-≤20-PASS



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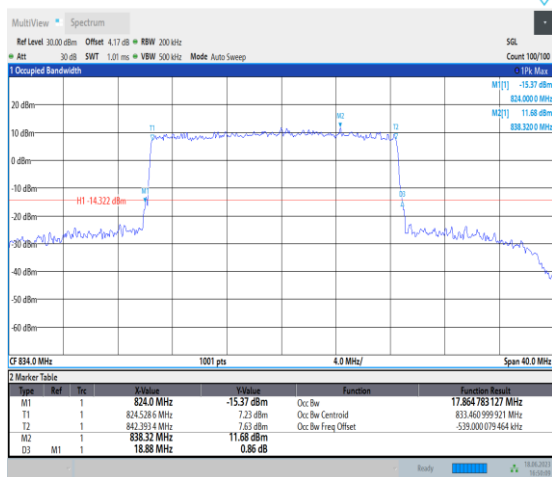
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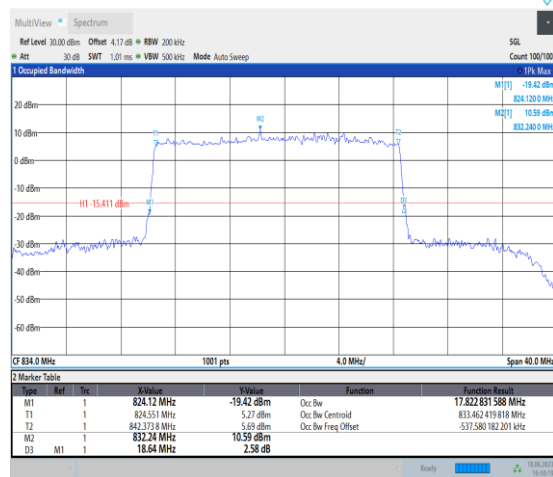
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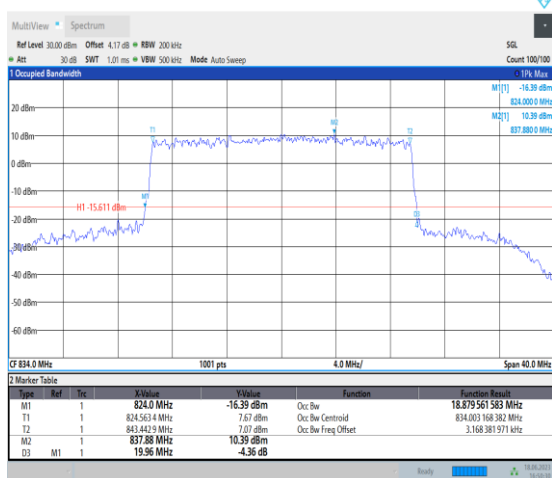
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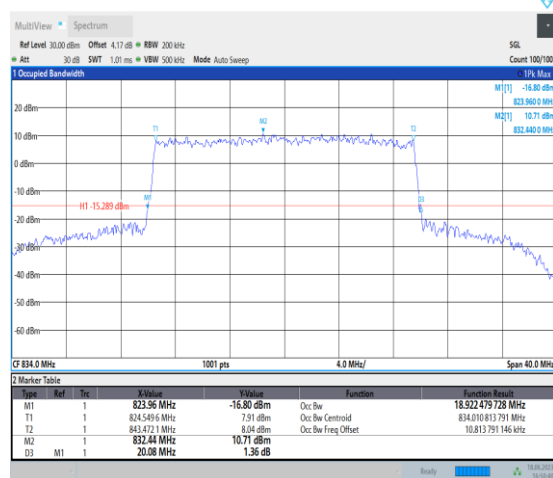
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16:50:31 19.06.2023

1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0-
Ant0-18.88-19.960-≤20-PASS



16:50:40 19.06.2023

1-N5-PC3-15-20-L-7-CP-16QAM-Outer_Full-106@0-
Ant0-18.922-20.080-≤20-PASS



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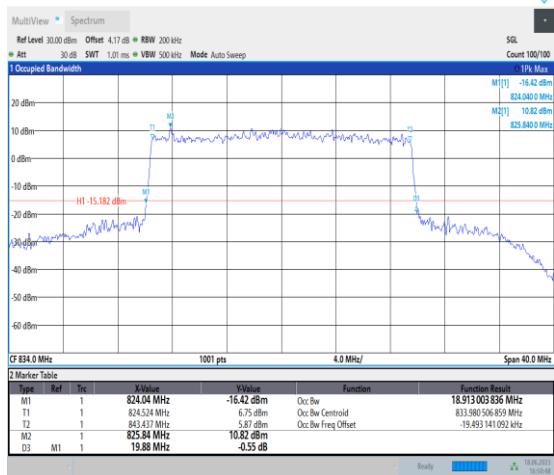
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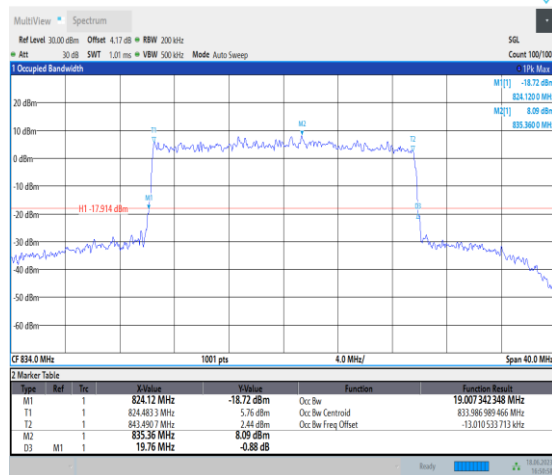
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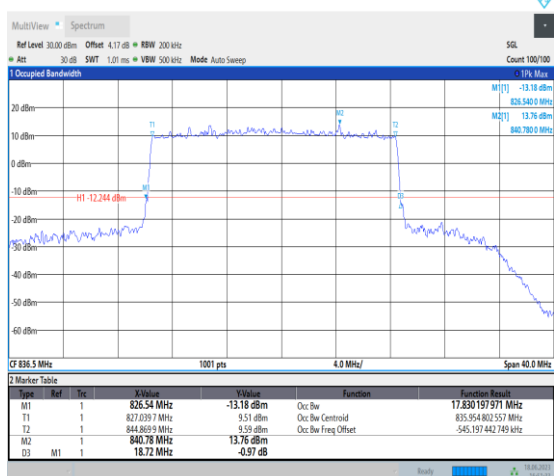
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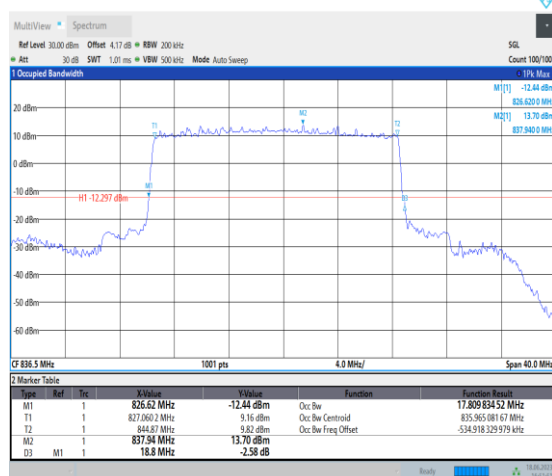
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16:51:34 18.06.2023

1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0
-Ant0-17.83-18.720-≤20-PASS



16:51:52 18.06.2023

1-N5-PC3-15-20-M-2-DFT-PI2BPSK-Outer_Full-100@0
-Ant0-17.81-18.800-≤20-PASS



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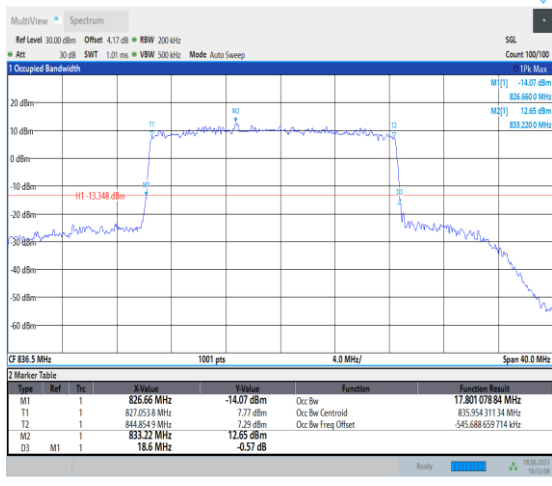
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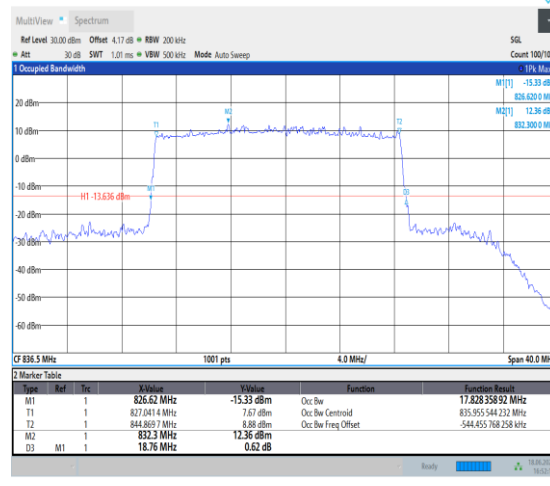
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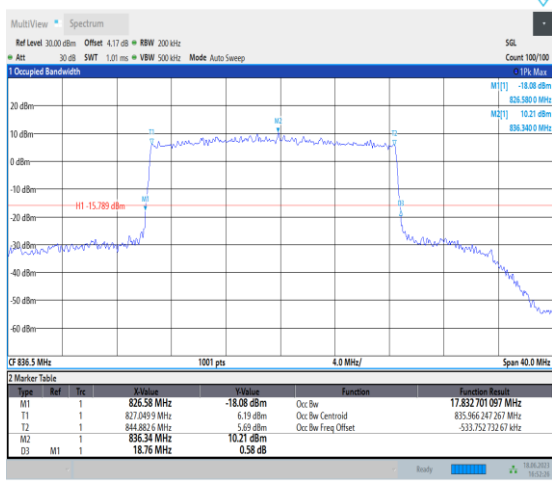
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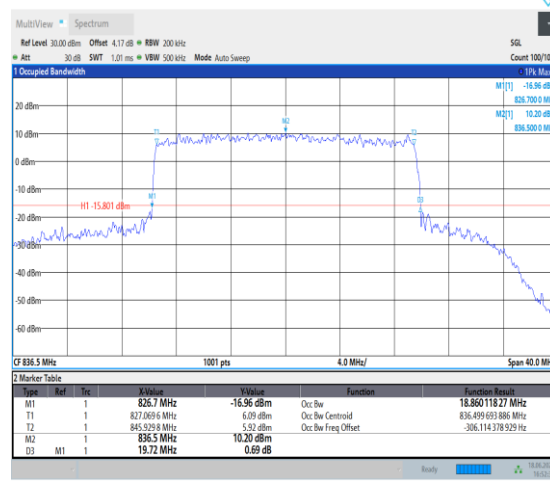
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16:52:27 18.06.2023

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16:52:39 18.06.2023

1-N5-PC3-15-20-M-6-CP-QPSK-Outer_Full-106@0-
Ant0-18.86-19.720-≤20-PASS



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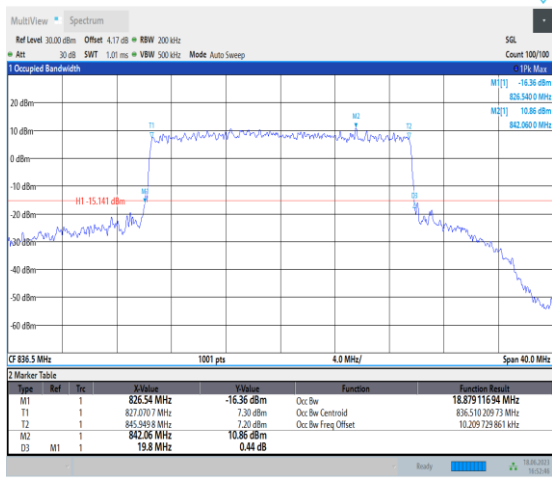
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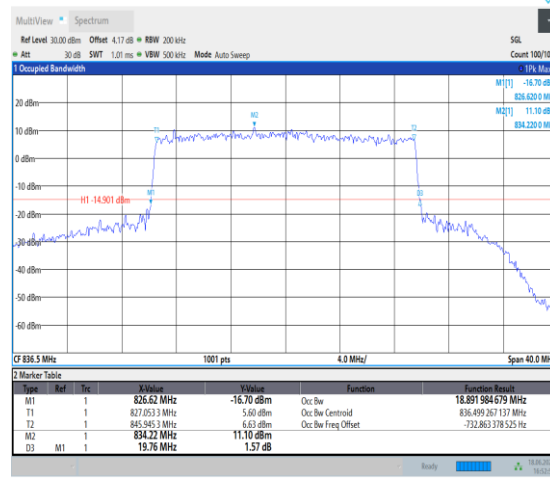
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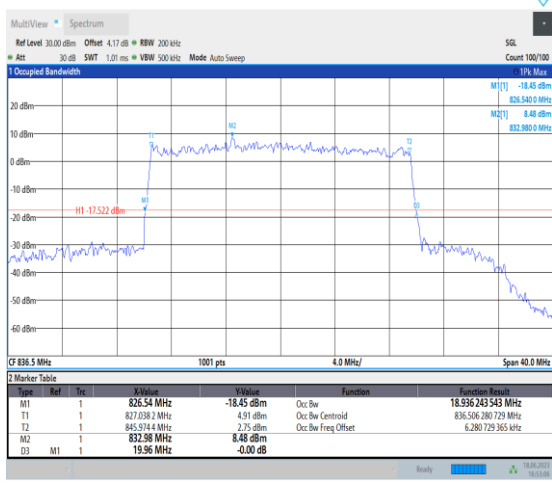
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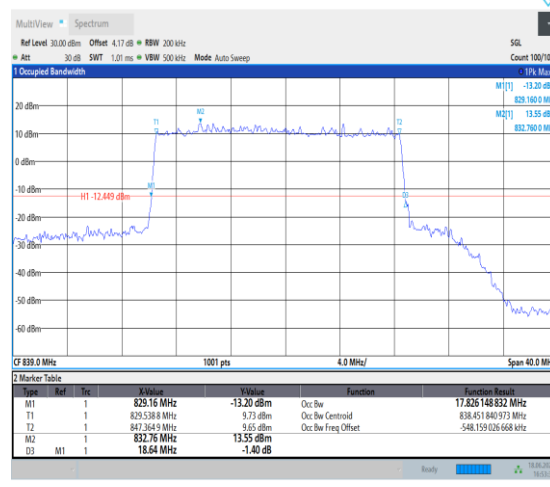
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16:53:06 18.06.2023

1-N5-PC3-15-20-M-9-CP-256QAM-Outer_Full-106@0
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16:53:30 18.06.2023

1-N5-PC3-15-20-M-1-DFT-QPSK-Outer_Full-100@0
-Ant0-17.826-18.640-≤20-PASS



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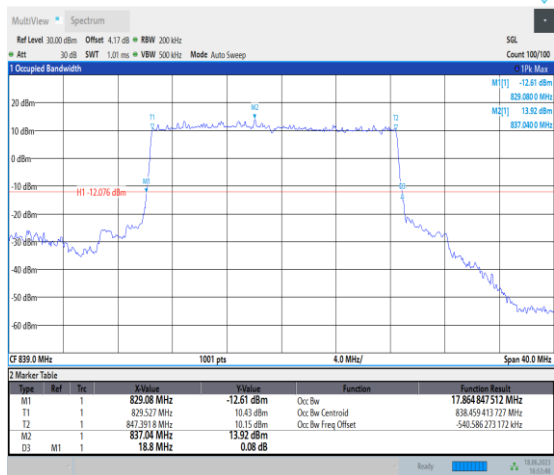
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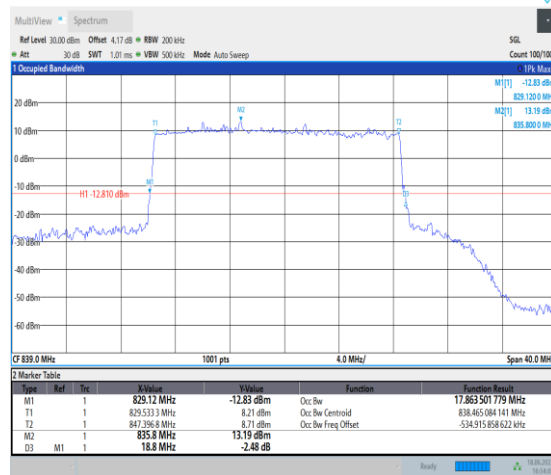
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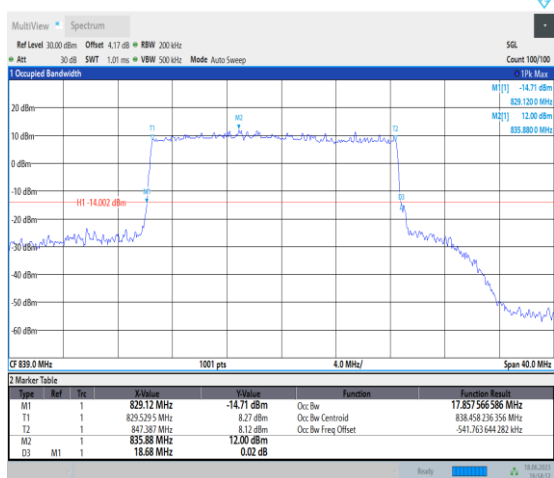
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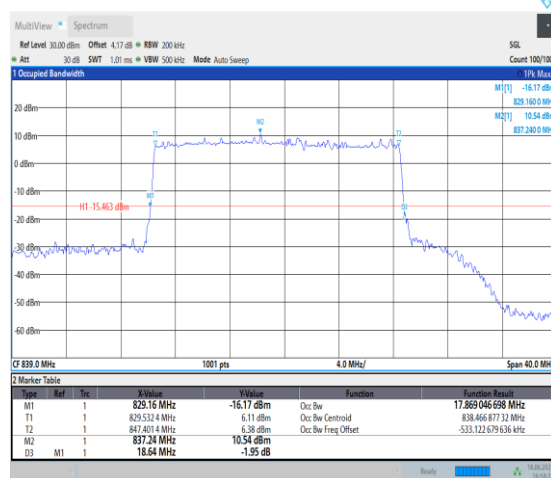
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16:54:13 18.06.2023

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16:54:23 18.06.2023

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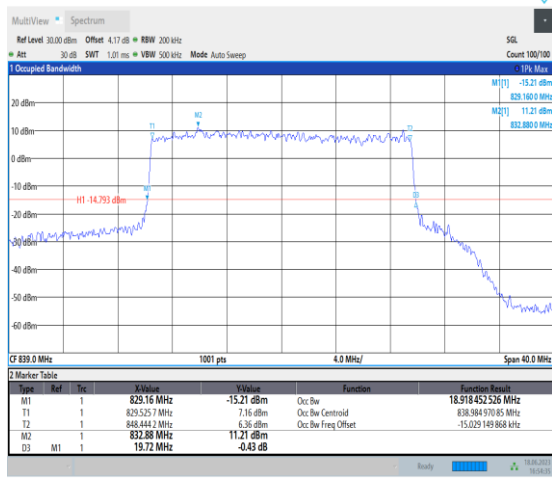
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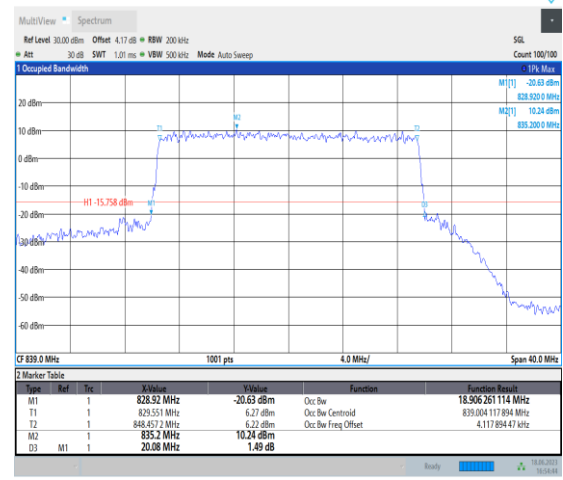
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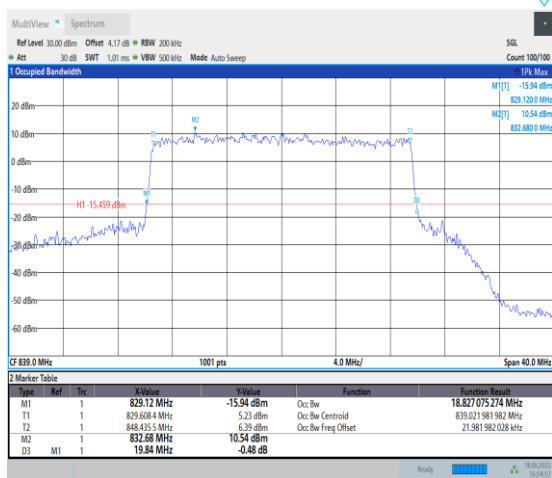
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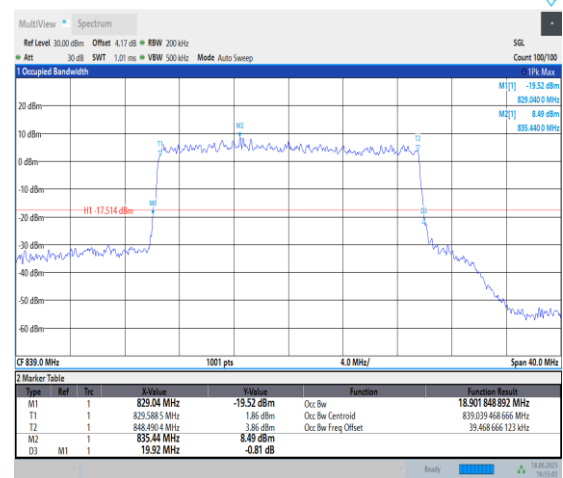
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16:55:02 19.06.2023

1-N5-PC3-15-20-H-9-CP-256QAM-Outer_Full-106@0-Ant0-18.902-19.920-≤20-PASS



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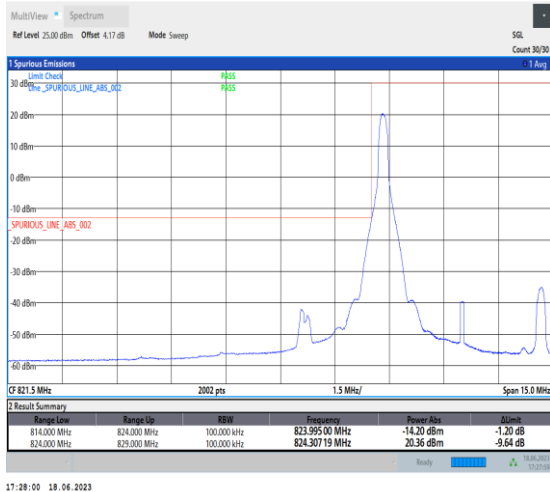
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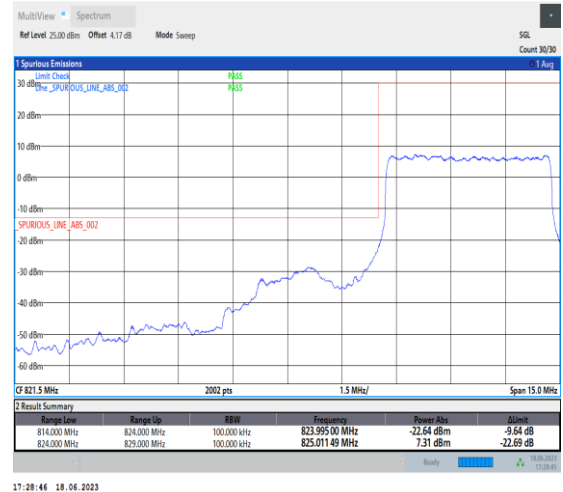
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Band Edge for SA

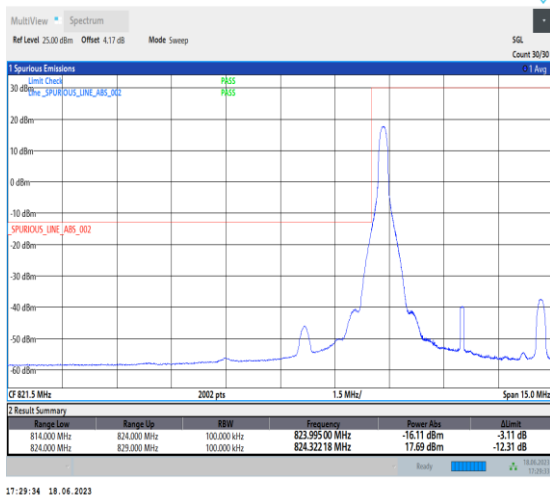
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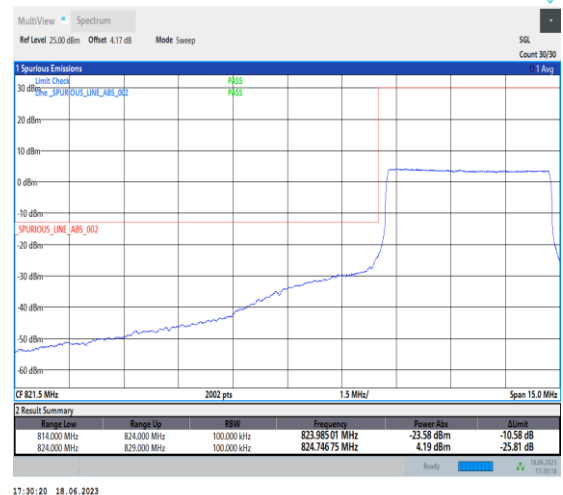
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1-N5-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-A
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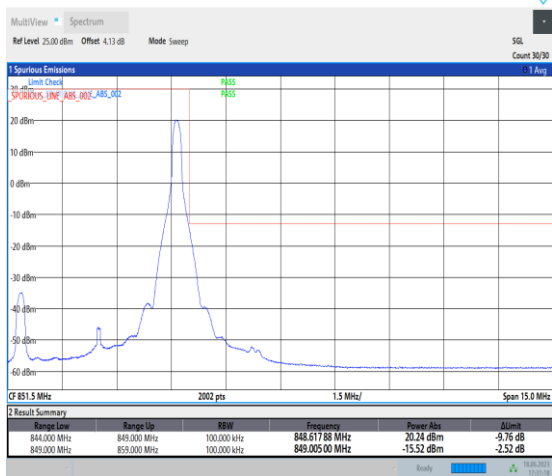
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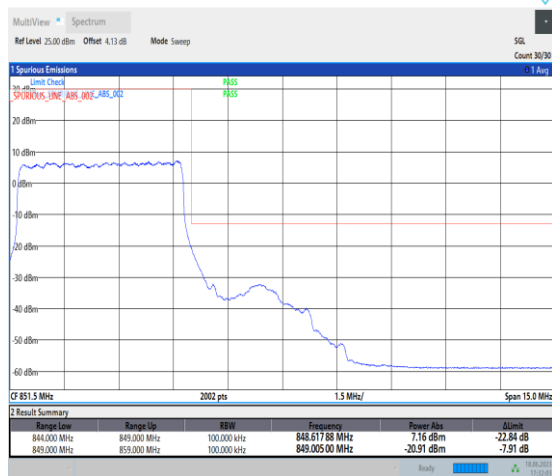
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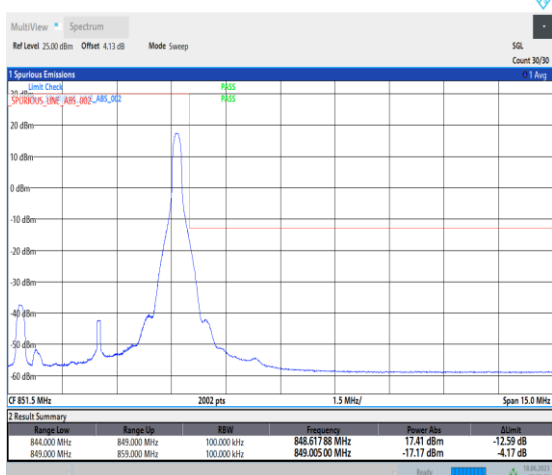
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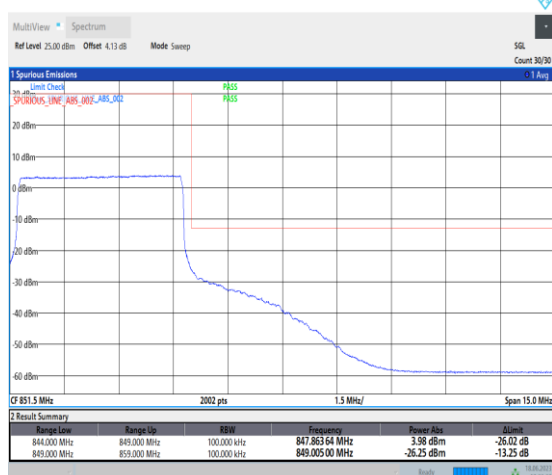
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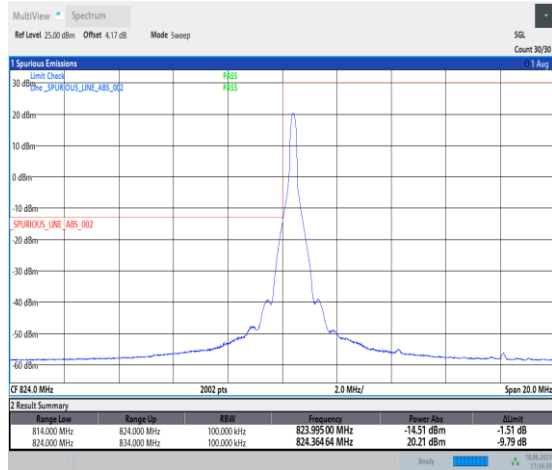
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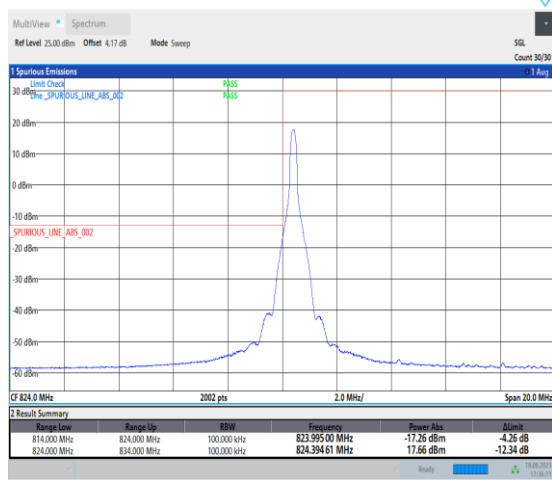
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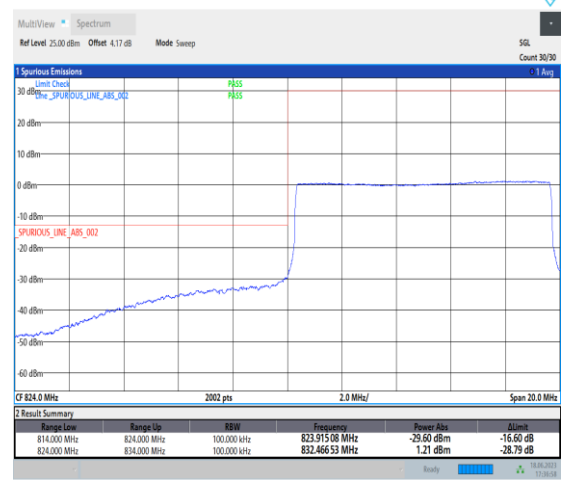
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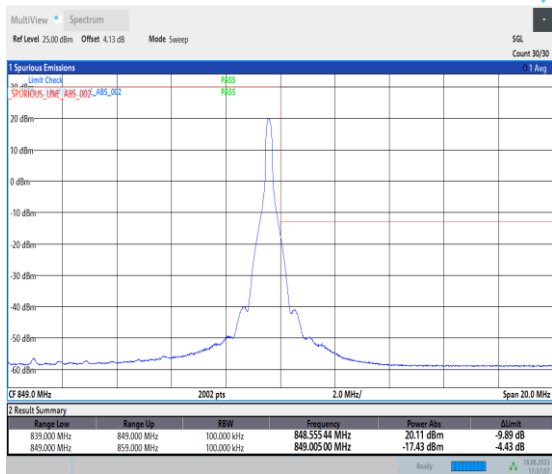
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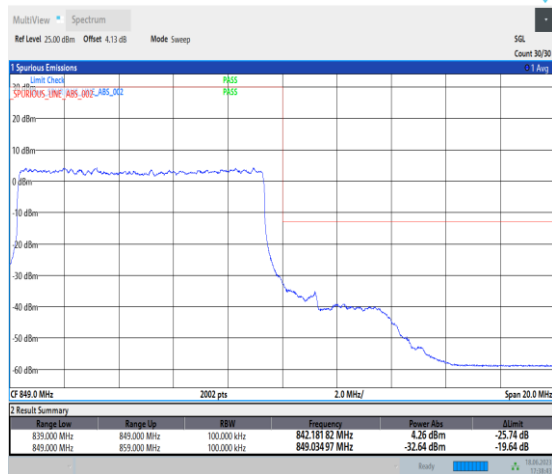
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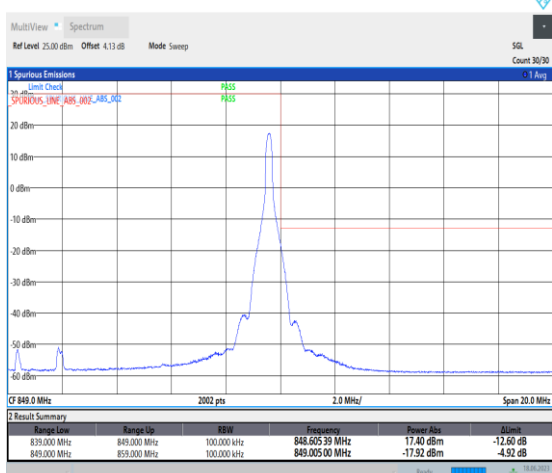
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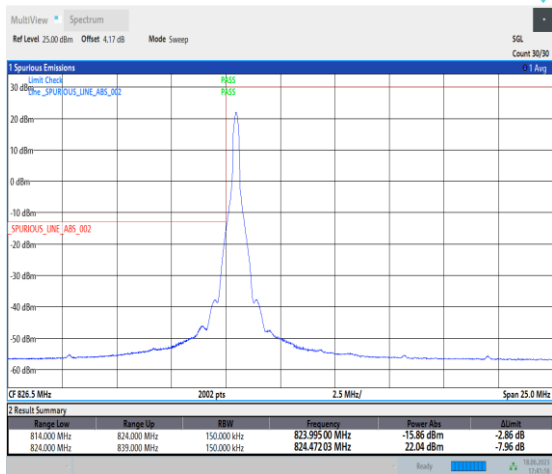
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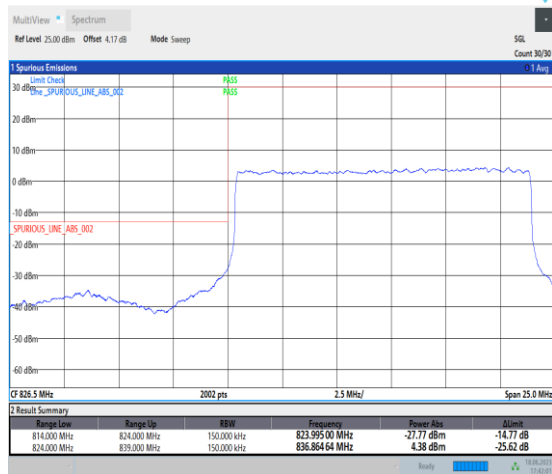
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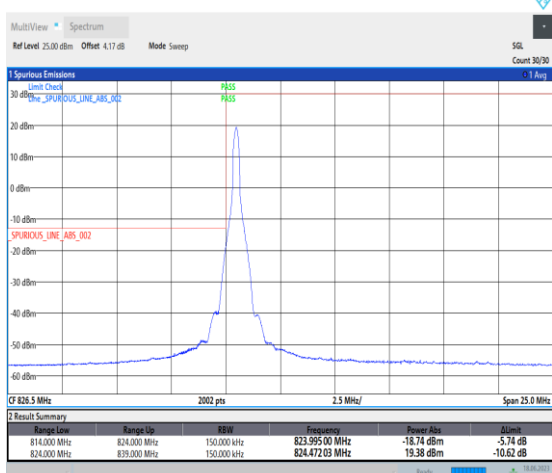
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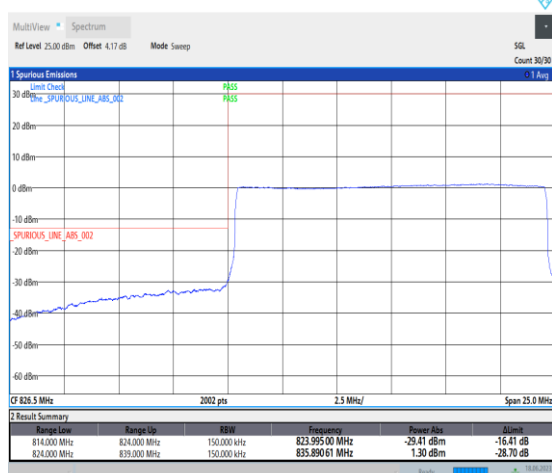
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17:43:16 18.06.2023

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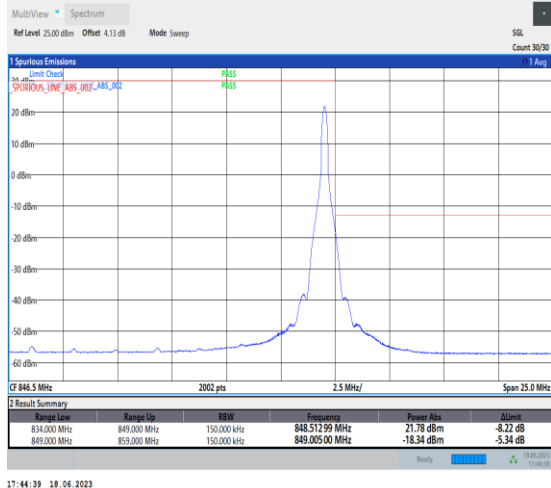
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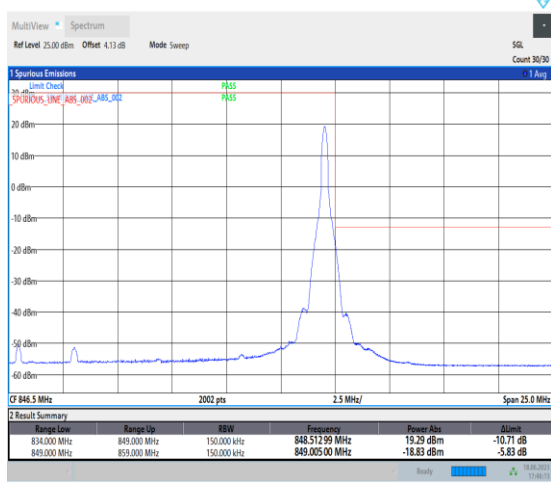
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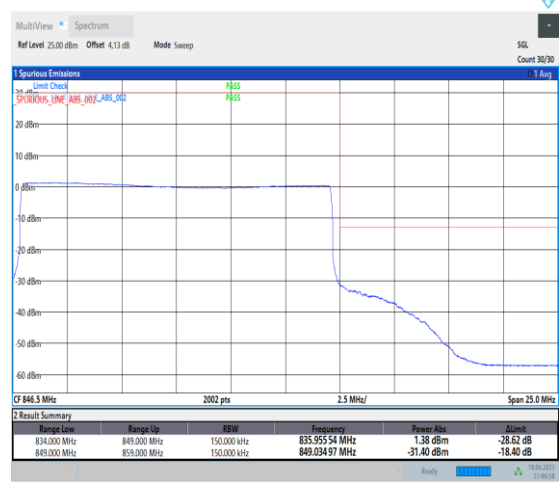
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1-N5-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant0-1-seegraph-PASS-see graph



17:46:59 18.06.2023

1-N5-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@0-Ant0-1-seegraph-PASS-see graph



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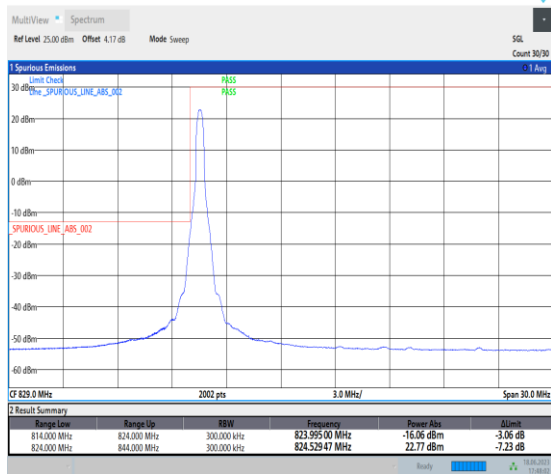
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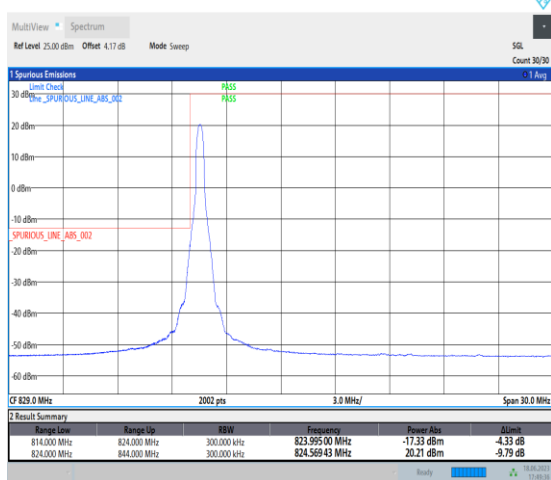
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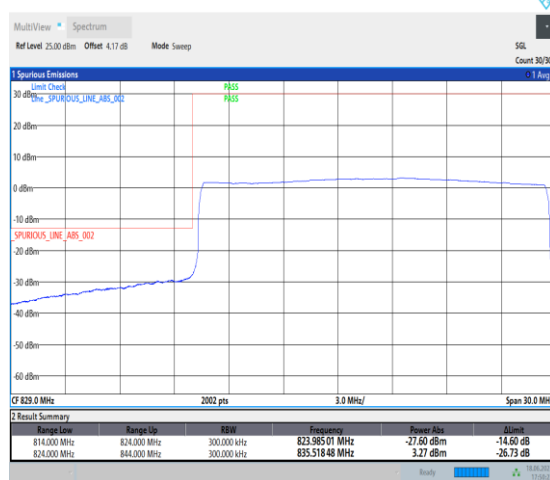
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0@0-Ant0-1-seegraph-PASS-see graph



1-N5-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-
Ant0-1-seegraph-PASS-see graph



1-N5-PC3-15-20-L-6-CP-QPSK-Outer_Full-106@0
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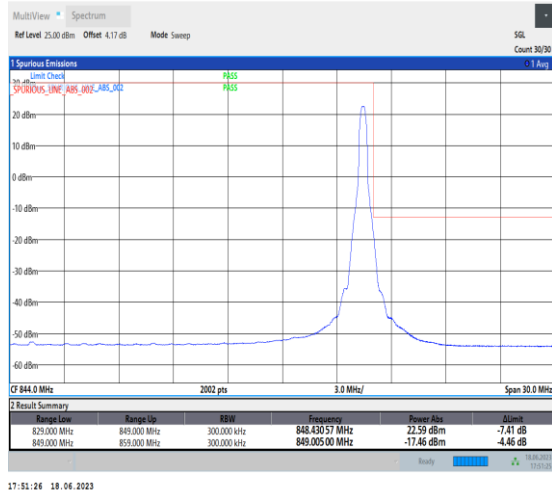
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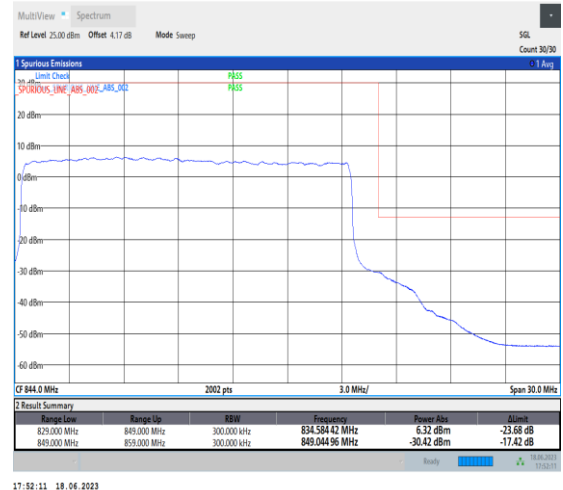
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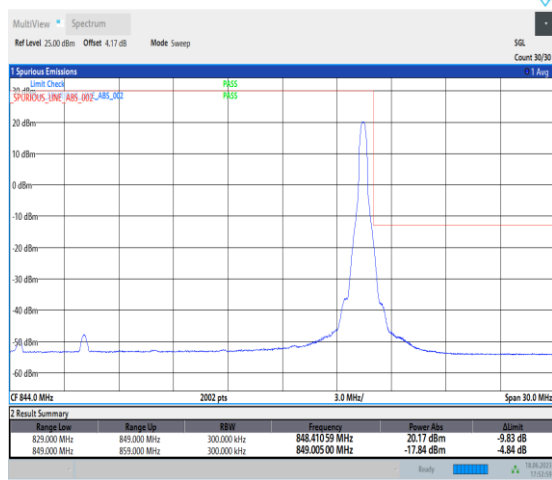
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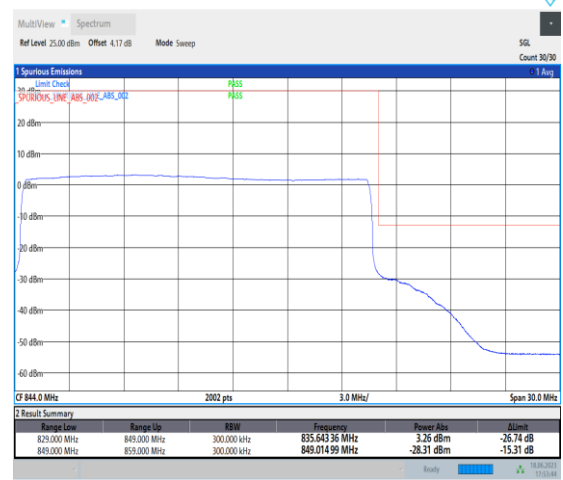
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17:52:59 18.06.2023

1-N5-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant0-1-seegraph-PASS-see graph



17:53:45 18.06.2023

1-N5-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant0-1-seegraph-PASS-see graph



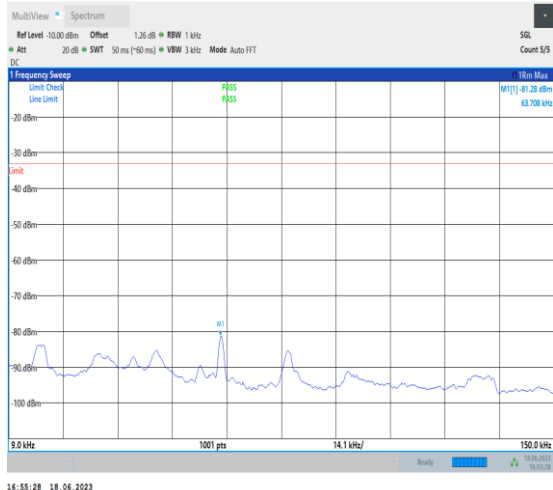
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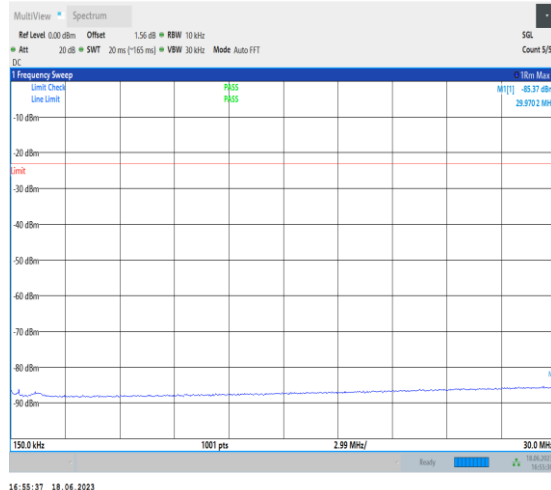
Report No.: SEWM2306000193RG02
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Conducted Spurious Emission for SA

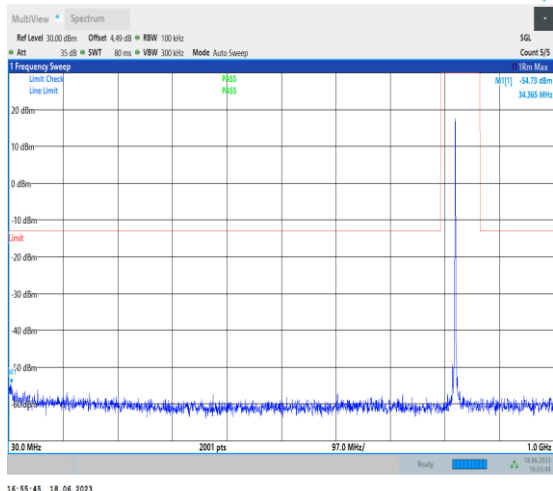
Test Graphs



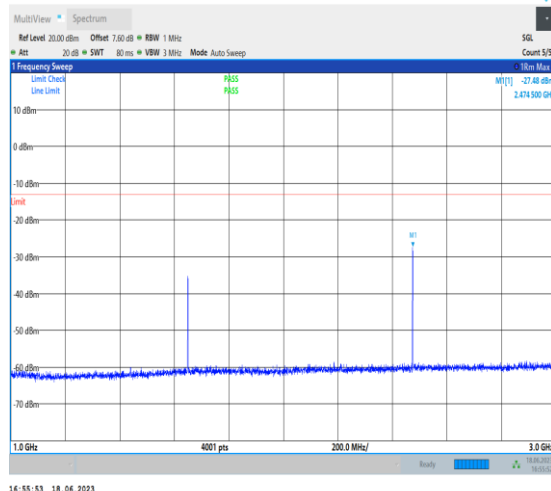
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1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant0-29.97--85.37--23-PASS



1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant0-34.37--54.73--13-PASS



1-N5-PC3-15-20-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant0-2474.50--27.48--13-PASS



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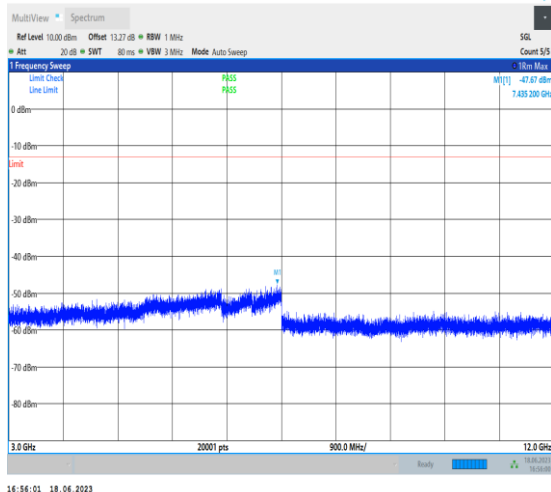
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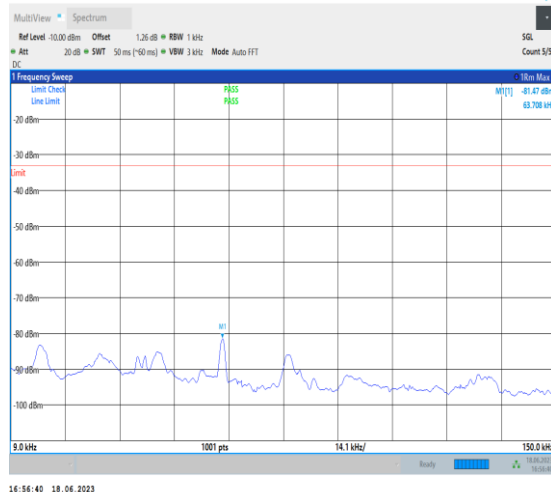
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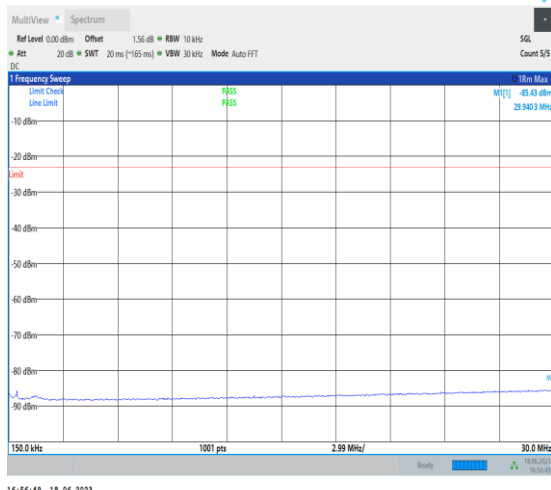
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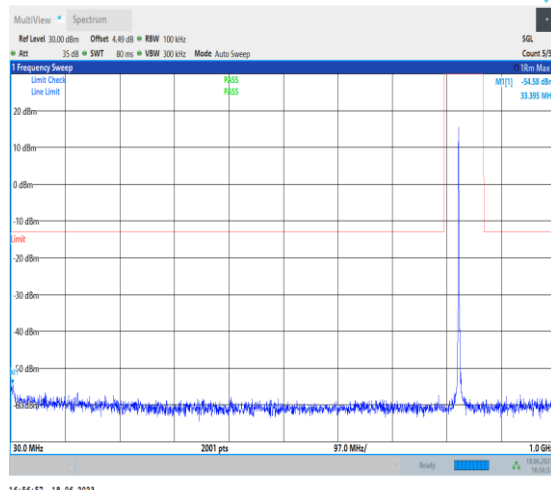
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1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant0-0.06--81.47--33-PASS



1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant0-29.94--85.43--23-PASS



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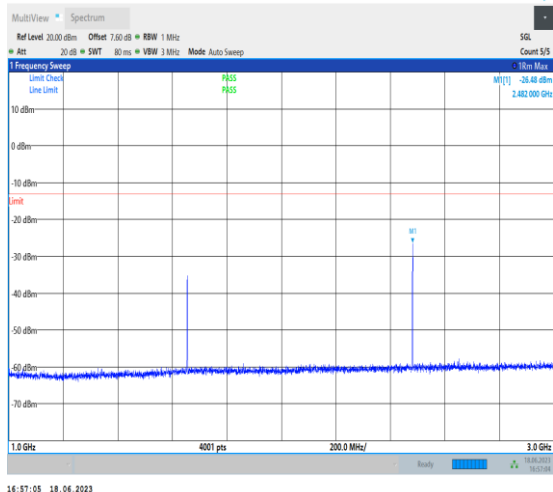
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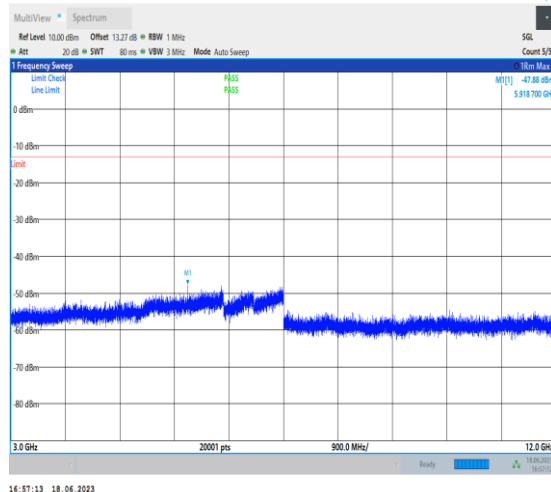
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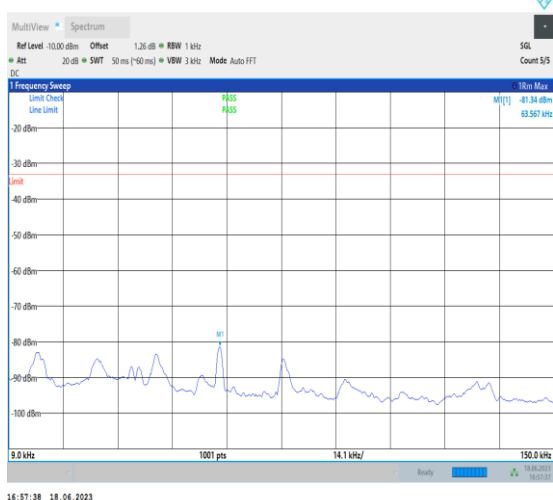
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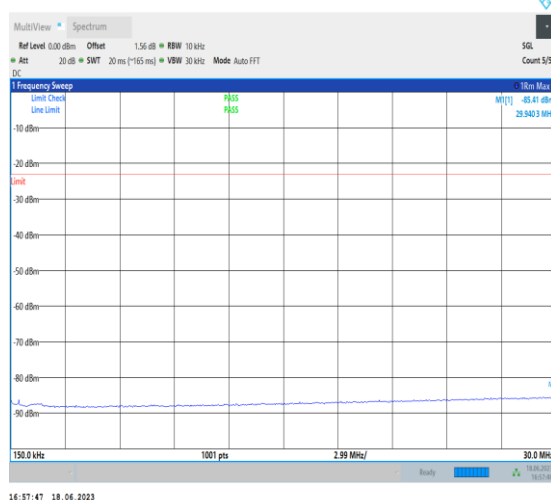
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1-N5-PC3-15-20-M-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-3000-12000-Ant0-5918.70--47.88--13-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
-1@1-0.009-0.15-Ant0-0.06--81.34--33-PASS



1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
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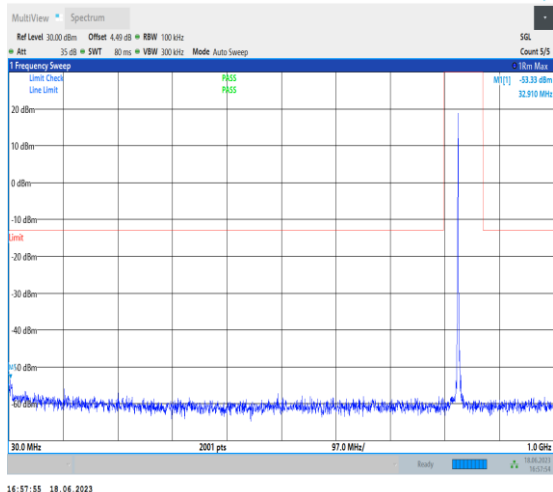
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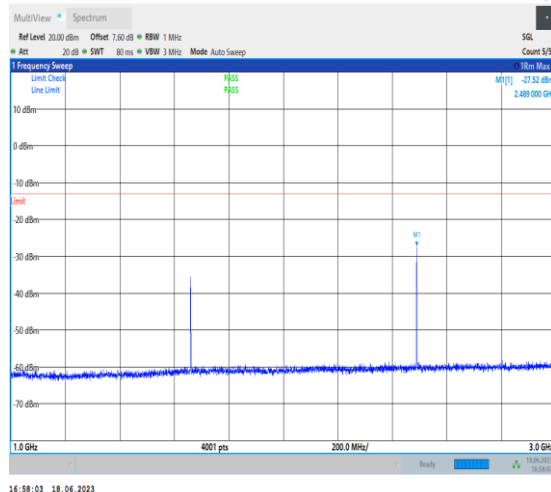
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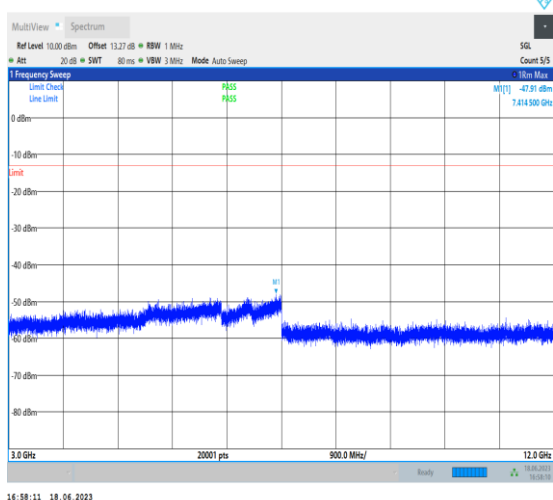
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1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
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1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
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1-N5-PC3-15-20-H-1-DFT-PI2BPSK-Inner_1RB_Left
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Field Strength of Spurious Radiation(Worse)

Test Band = SA Band5_ 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	1360	48.11	-48.05	25.12	-70.08	-13.00	57.08	123	18	Horizontal
2	1440	50.42	-48.13	25.12	-67.85	-13.00	54.85	231	0	Horizontal
3	1520	48.50	-48.31	25.16	-69.91	-13.00	56.91	102	357	Horizontal
4	2593.7143	46.22	-46.95	27.49	-68.50	-13.00	55.50	148	109	Horizontal
5	4099.4286	42.23	-45.90	29.34	-69.59	-13.00	56.59	185	309	Horizontal
6	5198.2857	41.29	-45.00	31.88	-67.09	-13.00	54.09	175	357	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1600	46.07	-48.28	25.20	-72.27	-13.00	59.27	163	209	Vertical
2	2593.1429	56.94	-46.95	27.49	-57.79	-13.00	44.79	254	275	Vertical
3	3204.5714	43.46	-46.31	28.42	-69.69	-13.00	56.69	175	209	Vertical
4	3765.7143	42.66	-46.16	28.87	-69.89	-13.00	56.89	123	301	Vertical
5	4921.1429	42.74	-45.63	31.23	-66.92	-13.00	53.92	261	12	Vertical
6	5987.4286	41.76	-44.50	32.70	-65.30	-13.00	52.30	166	12	Vertical



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Test Band = SA Band5_ 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	1321.7143	49.08	-48.10	25.14	-69.14	-13.00	56.14	255	29	Horizontal
2	1440	51.31	-48.13	25.12	-66.96	-13.00	53.96	148	18	Horizontal
3	1520	48.34	-48.31	25.16	-70.07	-13.00	57.07	186	357	Horizontal
4	2597.7143	46.28	-46.94	27.50	-68.42	-13.00	55.42	236	123	Horizontal
5	3188.5714	43.60	-46.34	28.41	-69.59	-13.00	56.59	259	0	Horizontal
6	4949.1429	43.15	-45.69	31.29	-66.51	-13.00	53.51	166	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	1520	44.95	-48.31	25.16	-73.46	-13.00	60.46	148	275	Vertical
2	2596.5714	58.35	-46.94	27.49	-56.36	-13.00	43.36	156	341	Vertical
3	2936.5714	43.55	-46.55	28.17	-70.09	-13.00	57.09	302	209	Vertical
4	3586.8571	43.29	-46.37	28.69	-69.65	-13.00	56.65	133	197	Vertical
5	4104	42.20	-45.90	29.35	-69.61	-13.00	56.61	261	289	Vertical
6	5136.5714	41.88	-45.24	31.73	-66.89	-13.00	53.89	196	250	Vertical



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Test Band = SA Band5_ 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	1321.7143	49.44	-48.10	25.14	-68.78	-13.00	55.78	284	18	Horizontal
2	1440	50.77	-48.13	25.12	-67.50	-13.00	54.50	156	30	Horizontal
3	1913.7143	47.66	-48.03	25.73	-69.90	-13.00	56.90	136	56	Horizontal
4	2594.8571	65.29	-46.95	27.49	-49.43	-13.00	36.43	211	111	Horizontal
5	3594.2857	43.50	-46.35	28.69	-69.42	-13.00	56.42	169	44	Horizontal
6	4877.1429	42.69	-45.59	31.13	-67.03	-13.00	54.03	192	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	1440	46.58	-48.13	25.12	-71.69	-13.00	58.69	158	331	Vertical
2	2597.1429	57.68	-46.94	27.49	-57.03	-13.00	44.03	148	343	Vertical
3	3264	44.02	-46.54	28.46	-69.32	-13.00	56.32	175	359	Vertical
4	4289.7143	42.11	-45.80	29.80	-69.15	-13.00	56.15	136	197	Vertical
5	5157.7143	41.85	-45.15	31.78	-66.79	-13.00	53.79	255	13	Vertical
6	6630.8571	41.16	-44.36	34.54	-63.92	-13.00	50.92	144	250	Vertical



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Test Band = NSA 2A-N5A_ 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	1600	45.14	-48.28	25.20	-73.20	-13.00	60.20	244	228	Horizontal
2	1989.1429	44.08	-47.92	25.88	-73.22	-13.00	60.22	158	242	Horizontal
3	2592.5714	59.77	-46.96	27.49	-54.96	-13.00	41.96	173	335	Horizontal
4	3279.4286	43.49	-46.60	28.47	-69.90	-13.00	56.90	261	357	Horizontal
5	4095.4286	42.18	-45.91	29.33	-69.66	-13.00	56.66	133	0	Horizontal
6	5453.1429	41.44	-45.06	32.49	-66.39	-13.00	53.39	261	215	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	1733.7143	44.79	-48.09	25.40	-73.16	-13.00	60.16	241	158	Vertical
2	2189.1429	43.92	-47.68	26.43	-72.59	-13.00	59.59	136	360	Vertical
3	3333.7143	43.97	-46.63	28.50	-69.42	-13.00	56.42	259	251	Vertical
4	3913.7143	42.35	-46.23	29.01	-70.12	-13.00	57.12	185	4	Vertical
5	4466.2857	42.21	-45.70	30.22	-68.53	-13.00	55.53	172	291	Vertical
6	5666.8571	41.00	-44.80	32.63	-66.43	-13.00	53.43	211	239	Vertical



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Test Band =NSA 2A-N5A_ 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	1732.5714	44.78	-48.09	25.40	-73.17	-13.00	60.17	158	294	Horizontal
2	2101.1429	43.97	-47.71	26.18	-72.82	-13.00	59.82	145	30	Horizontal
3	3049.1429	43.36	-46.63	28.33	-70.20	-13.00	57.20	126	70	Horizontal
4	3974.8571	42.32	-46.21	29.07	-70.07	-13.00	57.07	235	58	Horizontal
5	4916.5714	42.31	-45.62	31.22	-67.35	-13.00	54.35	188	176	Horizontal
6	6090.2857	40.89	-44.66	32.99	-66.05	-13.00	53.05	192	357	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1791.4286	44.32	-47.97	25.49	-73.42	-13.00	60.42	148	263	Vertical
2	1890.8571	44.36	-48.04	25.68	-73.26	-13.00	60.26	125	104	Vertical
3	3173.7143	43.41	-46.41	28.40	-69.86	-13.00	56.86	175	289	Vertical
4	4112.5714	41.78	-45.91	29.37	-70.02	-13.00	57.02	136	210	Vertical
5	4550.2857	42.35	-45.70	30.41	-68.19	-13.00	55.19	259	12	Vertical
6	5360	41.27	-45.10	32.26	-66.82	-13.00	53.82	188	316	Vertical



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Test Band =NSA 2A-N5A_ 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	1558.2857	44.43	-48.30	25.18	-73.95	-13.00	60.95	244	267	Horizontal
2	1937.1429	44.15	-47.99	25.77	-73.33	-13.00	60.33	175	215	Horizontal
3	2957.7143	43.41	-46.54	28.22	-70.18	-13.00	57.18	188	1	Horizontal
4	4142.2857	41.95	-45.93	29.44	-69.79	-13.00	56.79	196	93	Horizontal
5	4740	41.98	-45.74	30.83	-68.19	-13.00	55.19	254	356	Horizontal
6	5700.5714	40.95	-44.57	32.64	-66.24	-13.00	53.24	163	148	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	1520	45.15	-48.31	25.16	-73.26	-13.00	60.26	288	238	Vertical
2	1891.4286	44.18	-48.04	25.68	-73.44	-13.00	60.44	145	53	Vertical
3	2880.5714	43.73	-46.64	28.06	-70.11	-13.00	57.11	145	185	Vertical
4	4268.5714	42.15	-45.84	29.74	-69.20	-13.00	56.20	263	264	Vertical
5	5480	42.03	-45.11	32.55	-65.78	-13.00	52.78	155	118	Vertical
6	6438.2857	40.72	-44.71	34.10	-65.14	-13.00	52.14	177	360	Vertical



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Test Band = NSA 7A-N5A_ 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	1360	45.27	-48.05	25.12	-72.92	-13.00	59.92	210	0	Horizontal
2	1683.4286	44.33	-48.18	25.33	-73.78	-13.00	60.78	142	176	Horizontal
3	3494.2857	43.48	-46.54	28.60	-69.72	-13.00	56.72	136	97	Horizontal
4	4848.5714	41.56	-45.61	31.07	-68.24	-13.00	55.24	258	19	Horizontal
5	5703.4286	41.31	-44.57	32.64	-65.88	-13.00	52.88	196	4	Horizontal
6	7279.4286	39.96	-43.55	35.98	-62.87	-13.00	49.87	257	44	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	1638.8571	45.07	-48.23	25.26	-73.17	-13.00	60.17	155	171	Vertical
2	1945.7143	44.11	-47.98	25.79	-73.34	-13.00	60.34	184	145	Vertical
3	3208	43.44	-46.32	28.42	-69.72	-13.00	56.72	179	304	Vertical
4	3816	42.61	-46.17	28.92	-69.91	-13.00	56.91	259	350	Vertical
5	5172	41.68	-45.10	31.81	-66.87	-13.00	53.87	136	224	Vertical
6	6598.8571	40.92	-44.49	34.48	-64.35	-13.00	51.35	251	13	Vertical



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Test Band = NSA 7A-N5A_ 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	1440	45.65	-48.13	25.12	-72.62	-13.00	59.62	156	356	Horizontal
2	1838.8571	44.62	-47.99	25.58	-73.05	-13.00	60.05	147	58	Horizontal
3	2178.2857	43.96	-47.69	26.40	-72.59	-13.00	59.59	175	148	Horizontal
4	3074.8571	43.80	-46.69	28.34	-69.81	-13.00	56.81	128	136	Horizontal
5	3809.7143	42.41	-46.17	28.91	-70.11	-13.00	57.11	136	0	Horizontal
6	4894.8571	42.41	-45.58	31.17	-67.26	-13.00	54.26	251	190	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	1636.5714	44.83	-48.24	25.25	-73.41	-13.00	60.41	157	65	Vertical
2	1946.2857	44.18	-47.98	25.79	-73.27	-13.00	60.27	144	184	Vertical
3	2371.4286	44.09	-47.46	26.94	-71.69	-13.00	58.69	169	360	Vertical
4	3344.5714	43.56	-46.62	28.51	-69.81	-13.00	56.81	128	4	Vertical
5	4101.1429	42.67	-45.90	29.34	-69.15	-13.00	56.15	155	172	Vertical
6	4888.5714	42.48	-45.59	31.15	-67.21	-13.00	54.21	136	359	Vertical



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Test Band = NSA 7A-N5A_ 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	1586.8571	44.88	-48.29	25.19	-73.47	-13.00	60.47	215	0	Horizontal
2	1988	43.97	-47.92	25.88	-73.33	-13.00	60.33	147	6	Horizontal
3	2590.2857	59.64	-46.96	27.48	-55.10	-13.00	42.10	186	336	Horizontal
4	3000.5714	43.36	-46.52	28.30	-70.12	-13.00	57.12	236	357	Horizontal
5	3652.5714	42.28	-46.24	28.75	-70.47	-13.00	57.47	251	0	Horizontal
6	4927.4286	42.61	-45.64	31.24	-67.05	-13.00	54.05	199	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	1520	45.33	-48.31	25.16	-73.08	-13.00	60.08	163	264	Vertical
2	2043.4286	44.17	-47.82	26.02	-72.89	-13.00	59.89	258	26	Vertical
3	3057.7143	43.70	-46.65	28.33	-69.88	-13.00	56.88	147	225	Vertical
4	3914.2857	42.71	-46.23	29.01	-69.76	-13.00	56.76	186	302	Vertical
5	5225.1429	41.49	-45.07	31.94	-66.90	-13.00	53.90	266	79	Vertical
6	6612	40.82	-44.44	34.50	-64.38	-13.00	51.38	261	359	Vertical



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Test Band = NSA 66A-N5A_ 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	1593.7143	44.60	-48.28	25.20	-73.75	-13.00	60.75	184	322	Horizontal
2	2037.1429	44.19	-47.83	26.00	-72.90	-13.00	59.90	157	18	Horizontal
3	2984.5714	43.56	-46.53	28.27	-69.96	-13.00	56.96	165	0	Horizontal
4	3639.4286	42.58	-46.27	28.74	-70.21	-13.00	57.21	126	111	Horizontal
5	4724.5714	41.87	-45.76	30.79	-68.36	-13.00	55.36	258	111	Horizontal
6	6616.5714	40.91	-44.42	34.51	-64.26	-13.00	51.26	196	138	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	1714.2857	45.38	-48.13	25.37	-72.64	-13.00	59.64	244	4	Vertical
2	2092	44.23	-47.73	26.16	-72.60	-13.00	59.60	158	360	Vertical
3	2593.7143	59.57	-46.95	27.49	-55.15	-13.00	42.15	178	330	Vertical
4	3330.2857	43.44	-46.64	28.50	-69.96	-13.00	56.96	186	330	Vertical
5	4919.4286	42.63	-45.62	31.22	-67.03	-13.00	54.03	236	145	Vertical
6	6782.2857	41.46	-44.11	34.81	-63.10	-13.00	50.10	256	4	Vertical



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Test Band = NSA 66A-N5A_ 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	1600	45.58	-48.28	25.20	-72.76	-13.00	59.76	244	188	Horizontal
2	2240	44.07	-47.61	26.57	-72.23	-13.00	59.23	169	268	Horizontal
3	2682.2857	43.85	-47.03	27.66	-70.77	-13.00	57.77	258	214	Horizontal
4	3376	43.15	-46.57	28.53	-70.16	-13.00	57.16	172	334	Horizontal
5	4556	42.41	-45.71	30.42	-68.13	-13.00	55.13	155	175	Horizontal
6	6034.2857	41.17	-44.52	32.81	-65.80	-13.00	52.80	143	68	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	1440	45.55	-48.13	25.12	-72.72	-13.00	59.72	155	3	Vertical
2	1854.2857	44.14	-48.00	25.61	-73.52	-13.00	60.52	142	360	Vertical
3	3192.5714	43.96	-46.32	28.42	-69.21	-13.00	56.21	210	3	Vertical
4	4101.7143	42.66	-45.90	29.34	-69.16	-13.00	56.16	136	12	Vertical
5	4736	41.76	-45.74	30.82	-68.42	-13.00	55.42	256	3	Vertical
6	5975.4286	41.58	-44.56	32.70	-65.55	-13.00	52.55	291	350	Vertical



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Test Band = NSA 66A-N5A_ 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	1594.8571	44.81	-48.28	25.20	-73.53	-13.00	60.53	175	254	Horizontal
2	2049.1429	44.20	-47.81	26.04	-72.83	-13.00	59.83	145	356	Horizontal
3	3594.2857	42.85	-46.35	28.69	-70.07	-13.00	57.07	126	293	Horizontal
4	4590.2857	42.11	-45.77	30.50	-68.42	-13.00	55.42	259	4	Horizontal
5	5700	41.34	-44.57	32.64	-65.85	-13.00	52.85	192	134	Horizontal
6	6757.7143	40.82	-44.09	34.76	-63.77	-13.00	50.77	135	307	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	1690.8571	45.16	-48.17	25.34	-72.93	-13.00	59.93	136	132	Vertical
2	2126.2857	43.77	-47.70	26.25	-72.94	-13.00	59.94	251	11	Vertical
3	3076.5714	43.93	-46.70	28.35	-69.68	-13.00	56.68	144	118	Vertical
4	3629.7143	42.65	-46.28	28.73	-70.16	-13.00	57.16	175	132	Vertical
5	4558.2857	42.07	-45.71	30.43	-68.47	-13.00	55.47	196	91	Vertical
6	5470.2857	41.38	-45.09	32.53	-66.44	-13.00	53.44	251	330	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)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-6.200000	-0.007412	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-10.200000	-0.012194	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-7.000000	-0.008368	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VH	NT	-2.700000	-0.003228	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VN	NT	-3.900000	-0.004662	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	VL	NT	-2.700000	-0.003228	±2.5	PASS



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Frequency Error VS. Temperature

Temperature											
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Limit	Verdict
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-8.500000	-0.010161	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-9.200000	-0.010998	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-8.500000	-0.010161	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-6.900000	-0.008249	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-2.500000	-0.002989	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-6.900000	-0.008249	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-7.500000	-0.008966	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-5.700000	-0.006814	±2.5	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-8.600000	-0.010281	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-30	-2.000000	-0.002391	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-20	-0.300000	-0.000359	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	-10	-1.900000	-0.002271	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	0	-3.800000	-0.004543	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	10	-4.400000	-0.005260	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	20	-1.800000	-0.002152	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	30	-0.700000	-0.000837	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	40	-4.300000	-0.005140	±2.5	PASS
N5	15	20	CP-QPSK	M	Outer_Full	NV	50	-3.600000	-0.004304	±2.5	PASS

---End of Attachment---



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