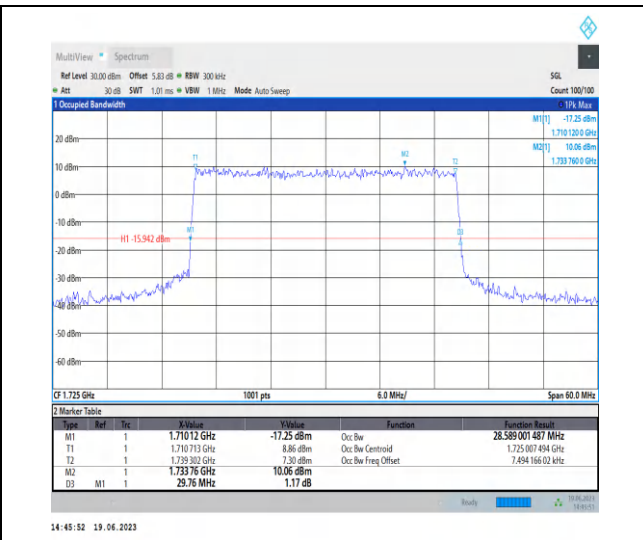
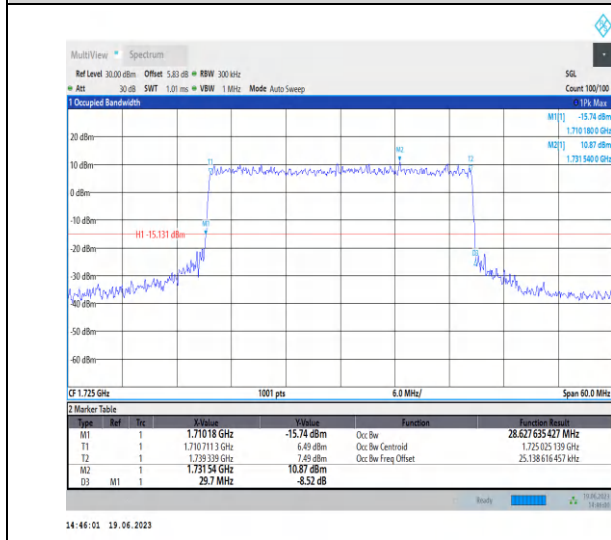


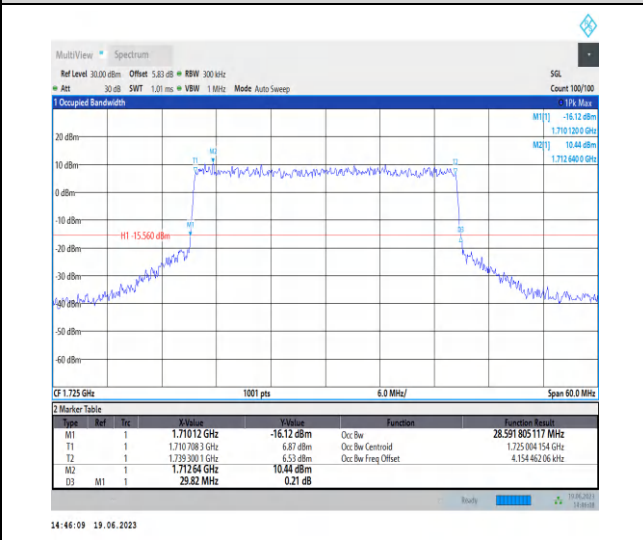
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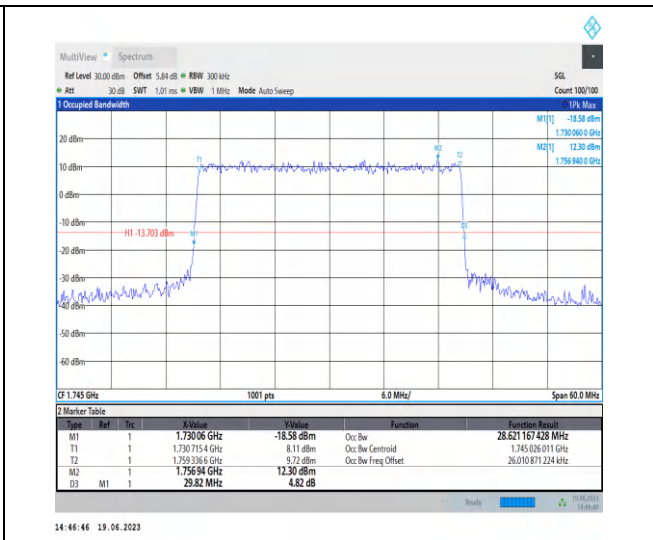
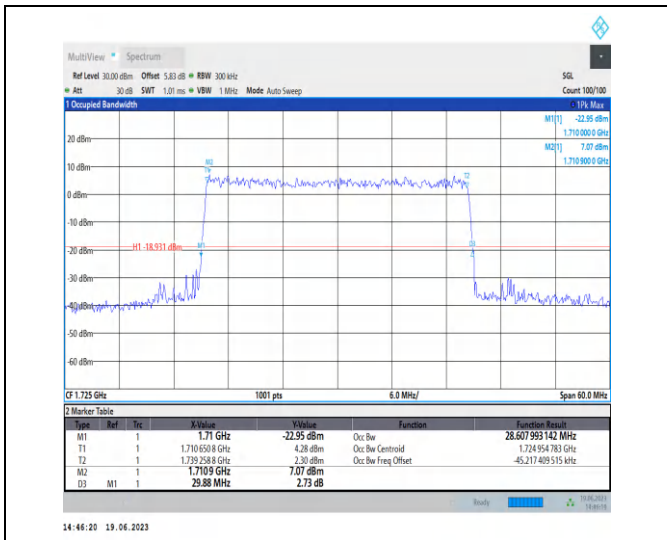
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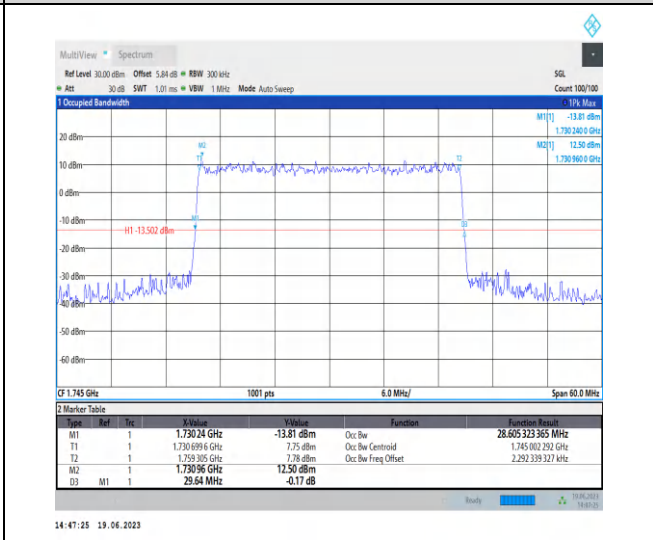
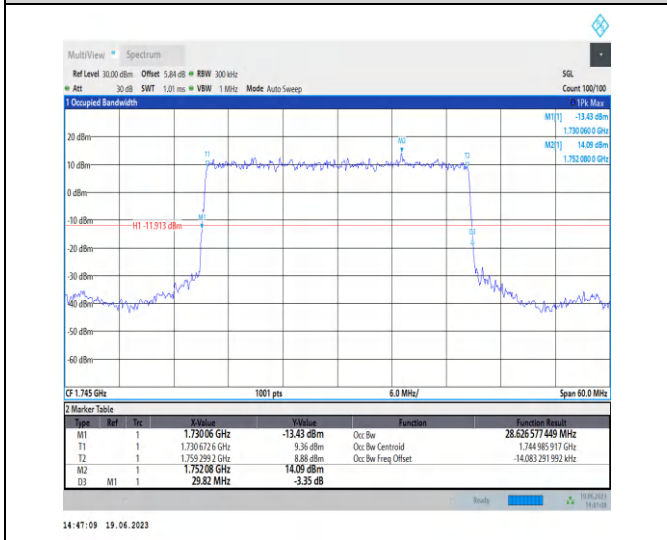
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1-N66-PC3-15-30-L-9-CP-256QAM-Outer_Full-160@
 0-Ant3-28.608-29.880-≤30-PASS

1-N66-PC3-15-30-M-1-DFT-QPSK-Outer_Full-160@
 0-Ant3-28.621-29.820-≤30-PASS



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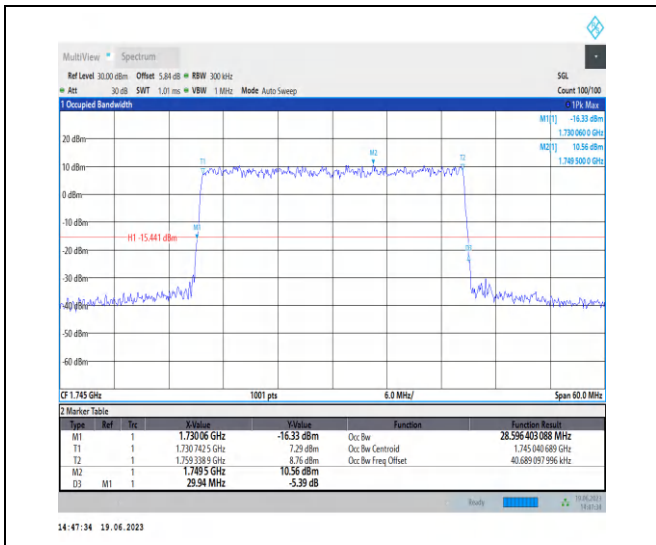
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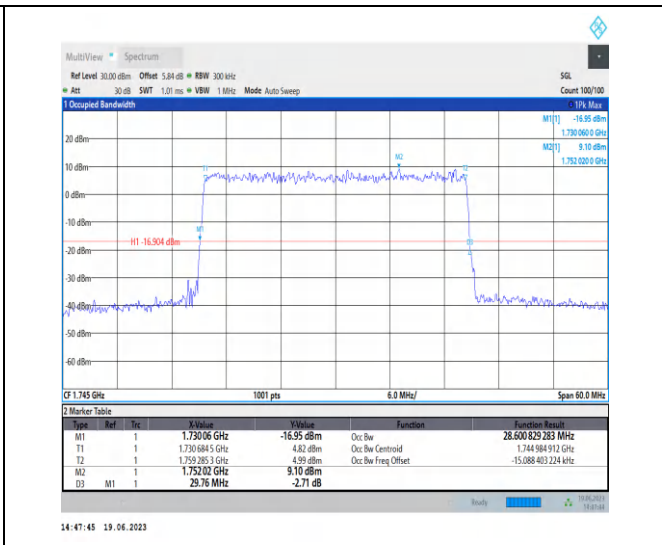
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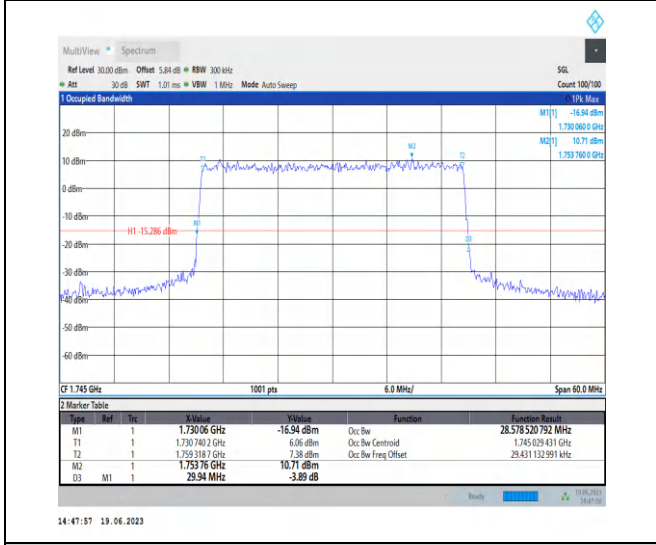
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1-N66-PC3-15-30-M-4-DFT-64QAM-Outer_Full-160 @0-Ant3-28.596-29.940-≤30-PASS



1-N66-PC3-15-30-M-5-DFT-256QAM-Outer_Full-160 @0-Ant3-28.601-29.760-≤30-PASS



1-N66-PC3-15-30-M-6-CP-QPSK-Outer_Full-160 @0-Ant3-28.579-29.940-≤30-PASS

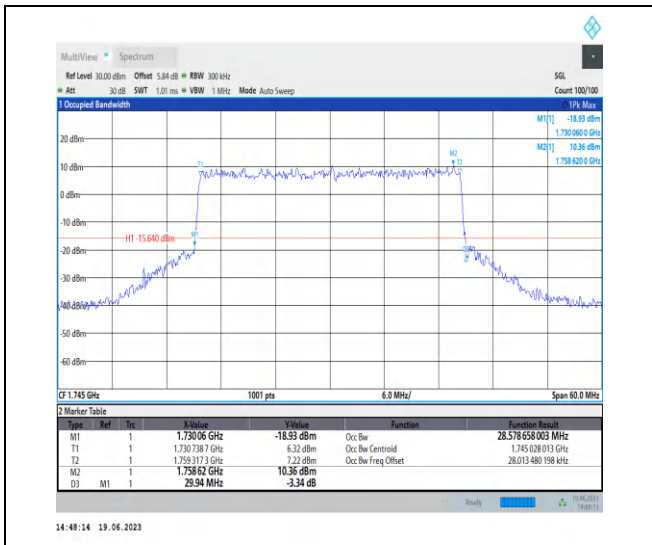


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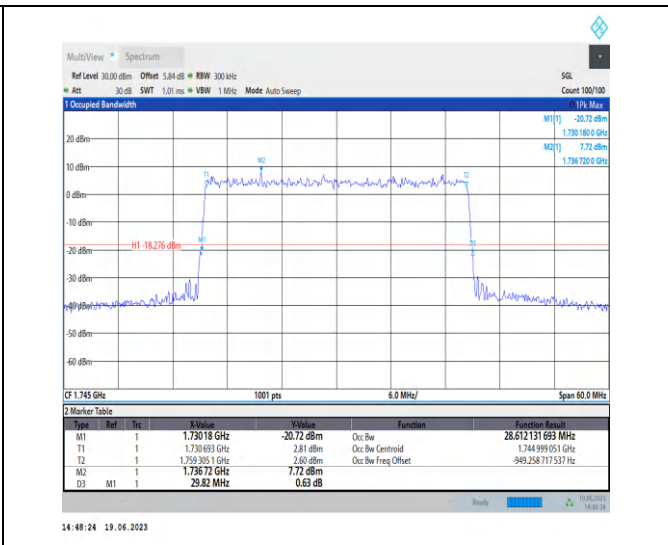


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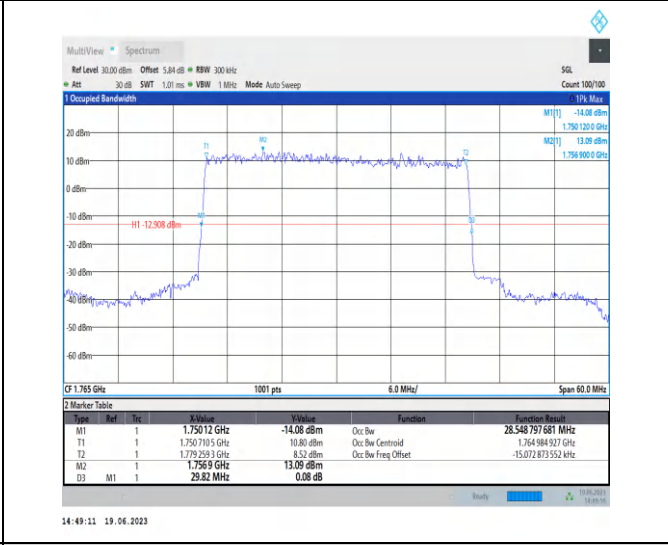
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1-N66-PC3-15-30-M-9-CP-256QAM-Outer_Full-160 @0-Ant3-28.612-29.820-≤30-PASS



1-N66-PC3-15-30-H-1-DFT-QPSK-Outer_Full-160 @0-Ant3-28.575-29.760-≤30-PASS



1-N66-PC3-15-30-H-2-DFT-P12BPSK-Outer_Full-160 @0-Ant3-28.549-29.820-≤30-PASS



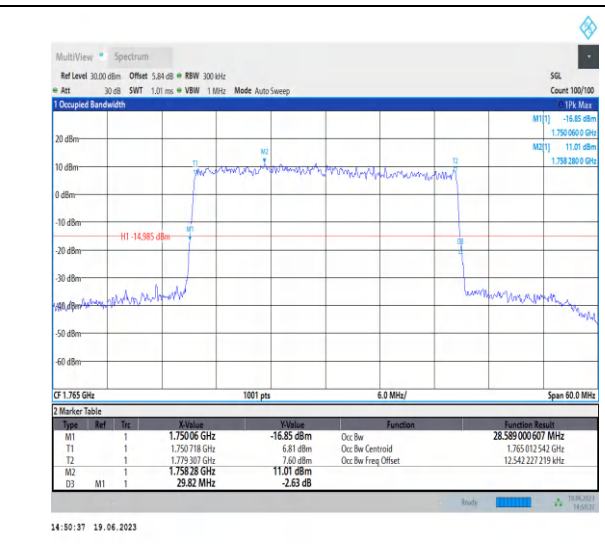
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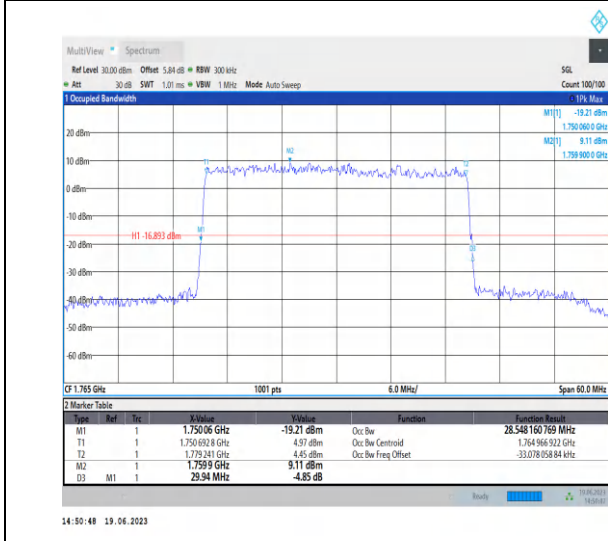
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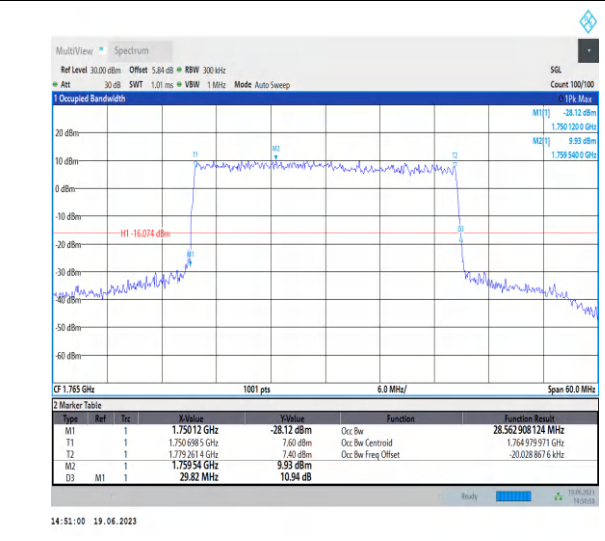
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 @0-Ant3-28.589-29.820-<30-PASS



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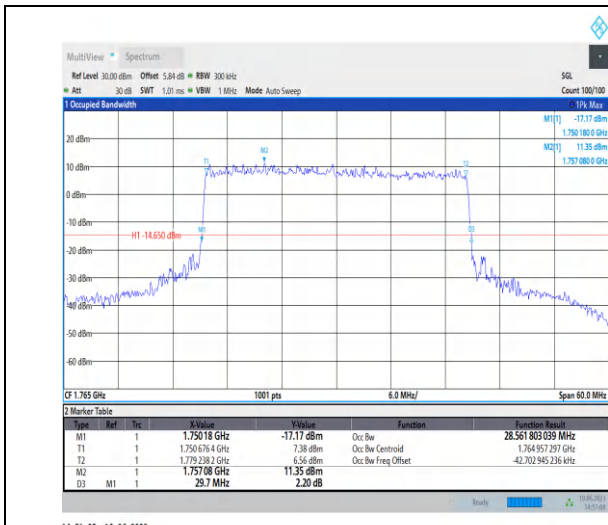
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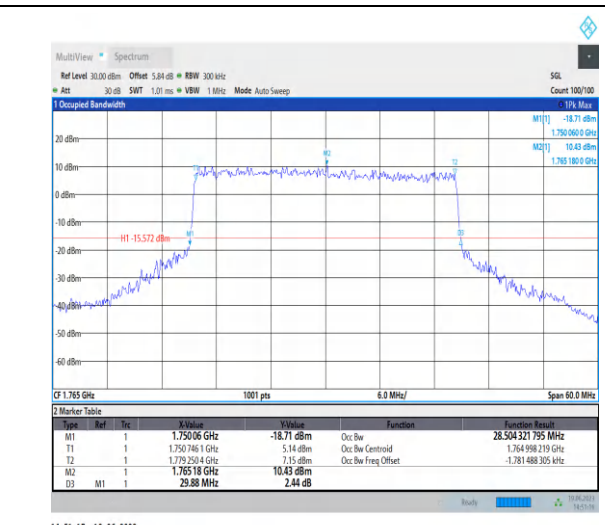
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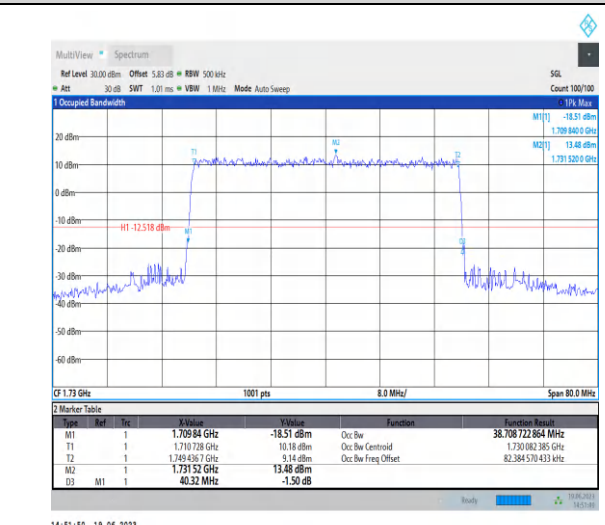
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1-N66-PC3-15-30-H-9-CP-256QAM-Outer_Full-160
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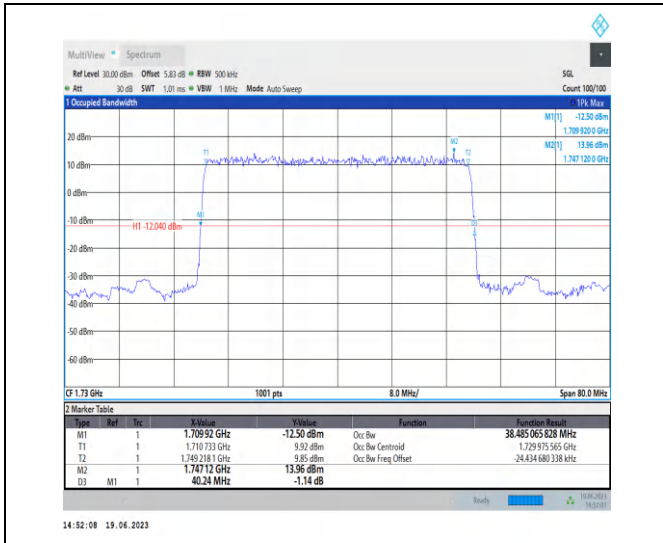
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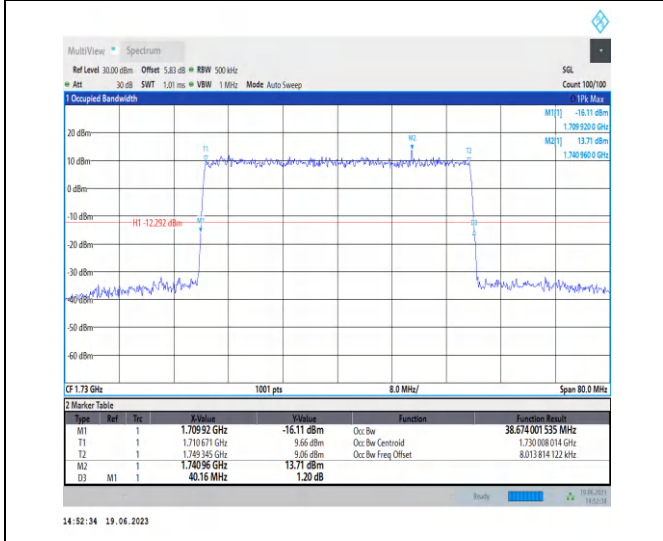
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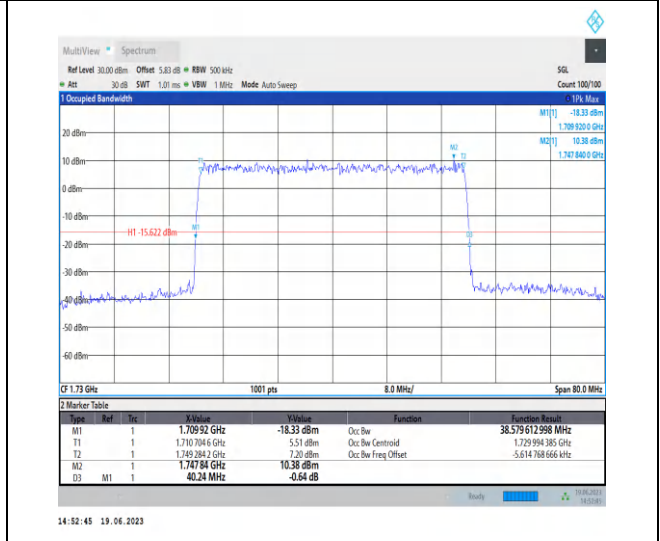
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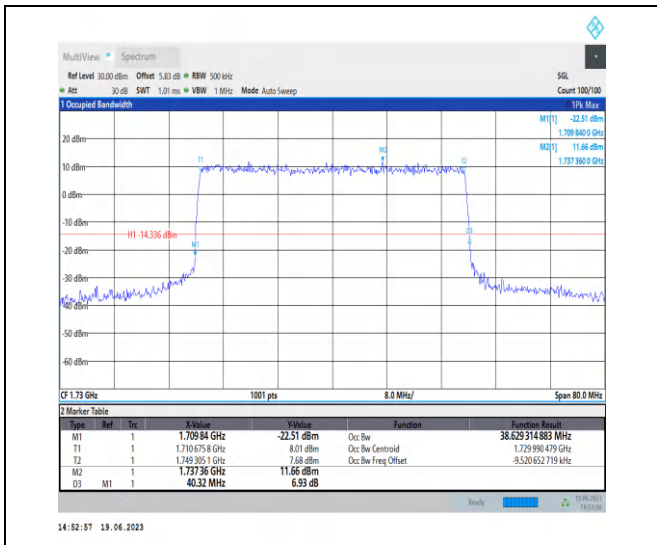
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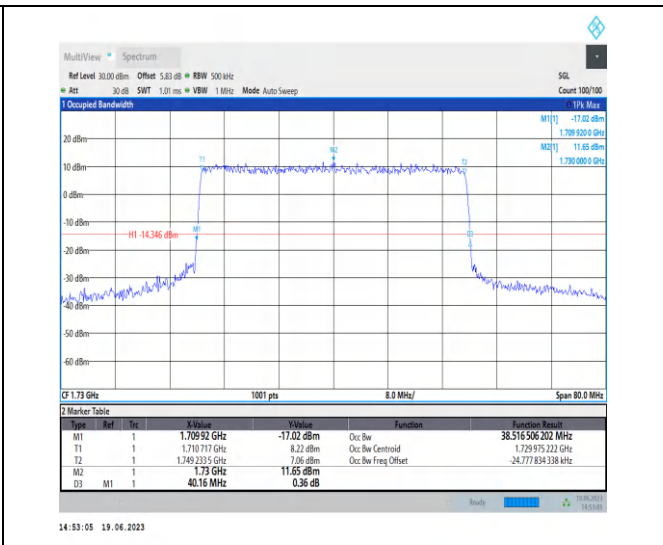
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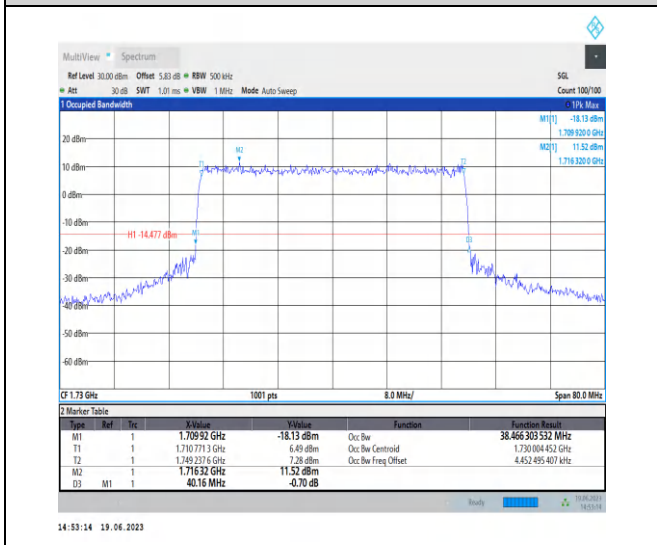
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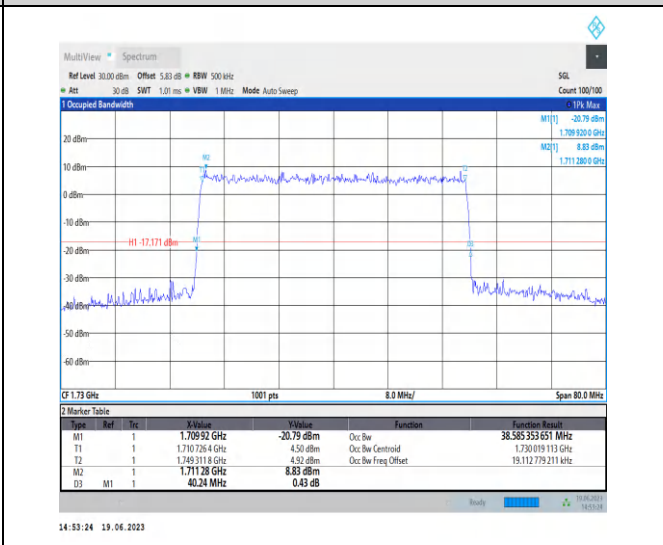
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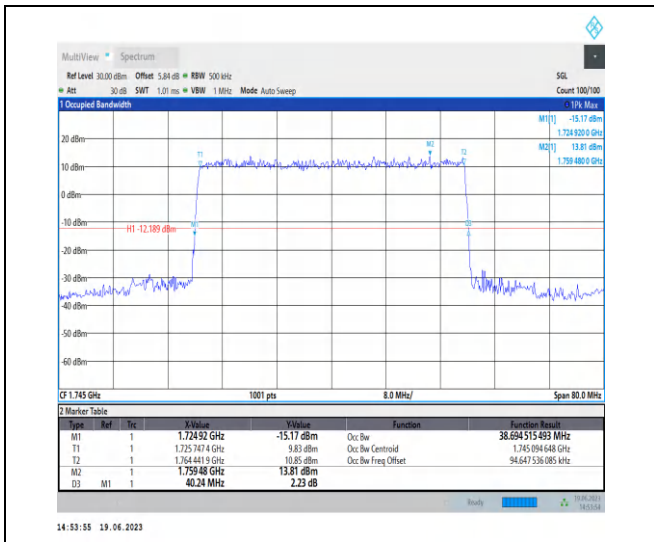
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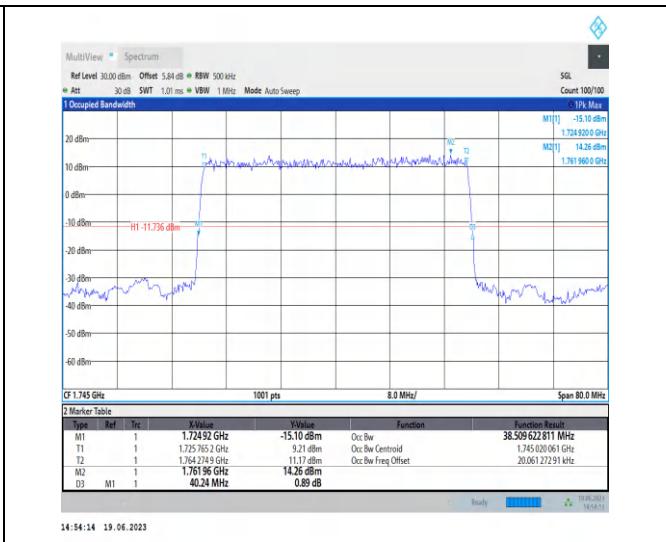
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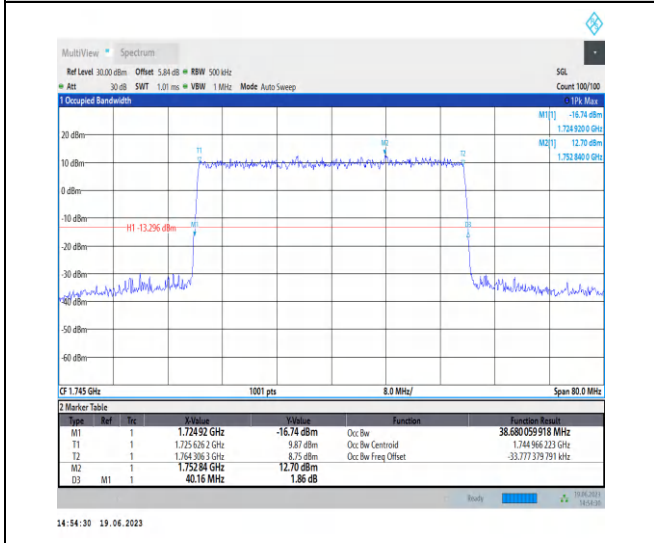
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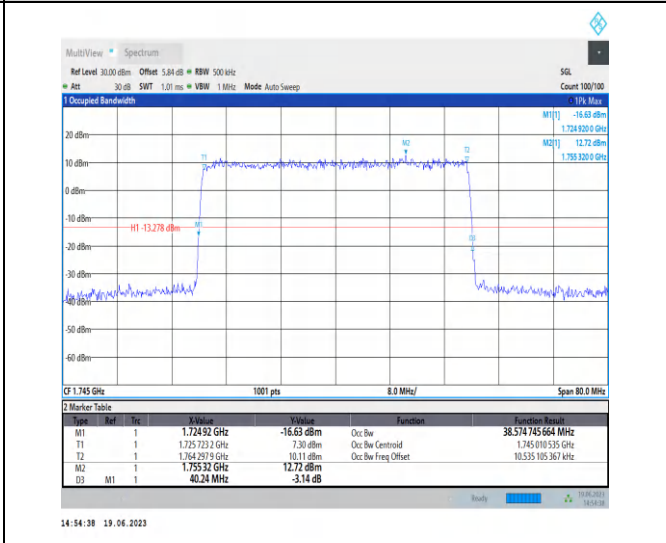
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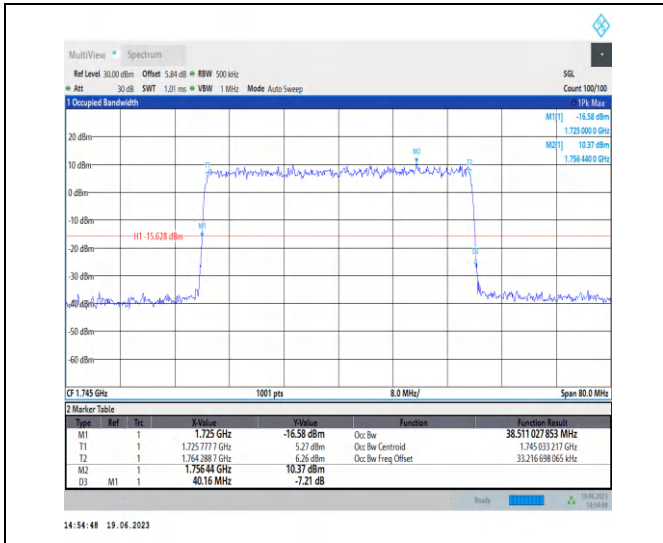
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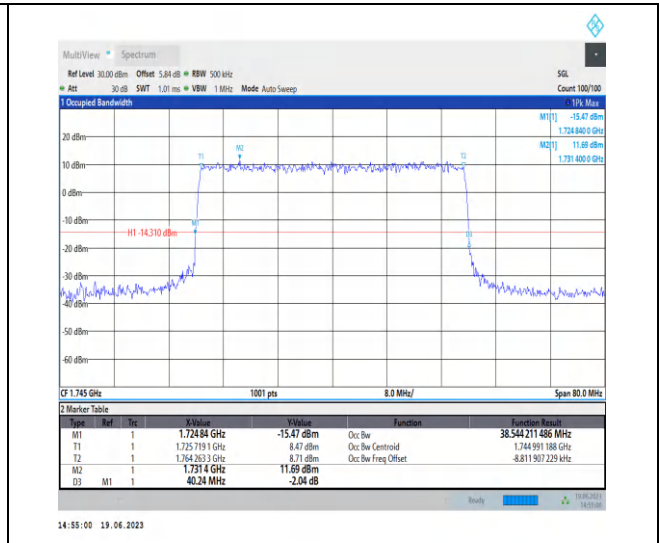
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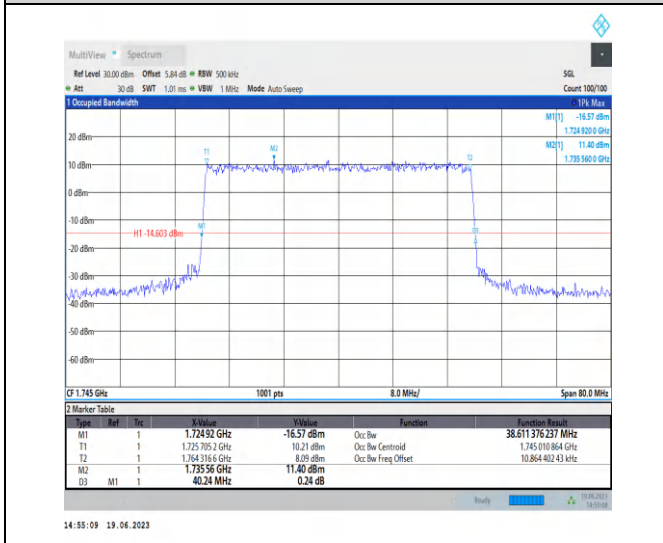
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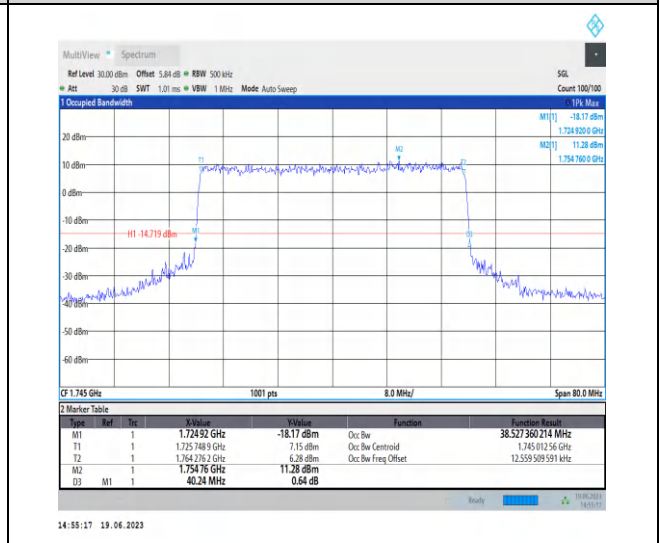
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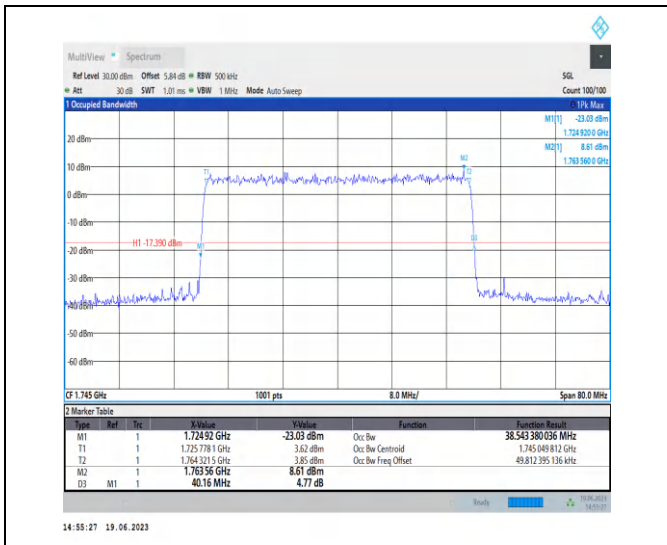
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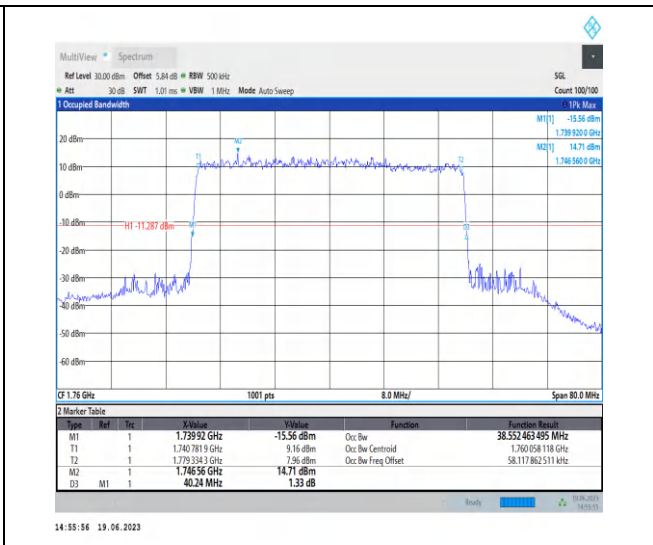
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1-N66-PC3-15-40-M-9-CP-256QAM-Outer_Full-216 @0-Ant3-38.543-40.160-<40-PASS



1-N66-PC3-15-40-H-1-DFT-QPSK-Outer_Full-216 @0-Ant3-38.552-40.240-<40-PASS



1-N66-PC3-15-40-H-2-DFT-PI2BPSK-Outer_Full-216 @0-Ant3-38.496-40.240-<40-PASS



1-N66-PC3-15-40-H-3-DFT-16QAM-Outer_Full-216 @0-Ant3-38.555-40.400-<40-PASS



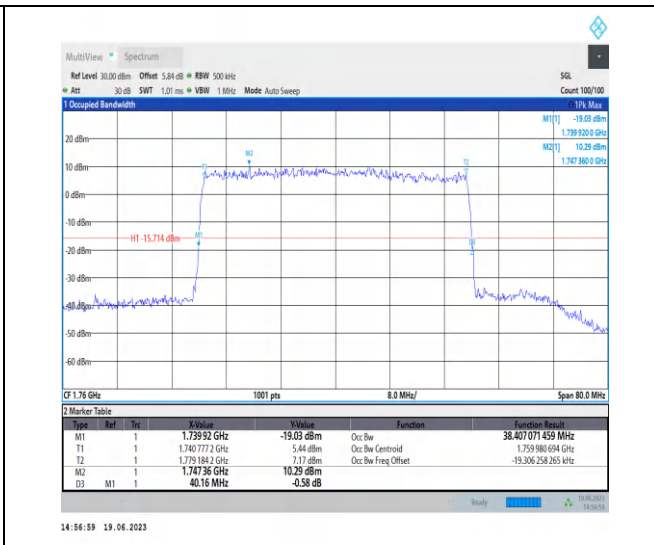
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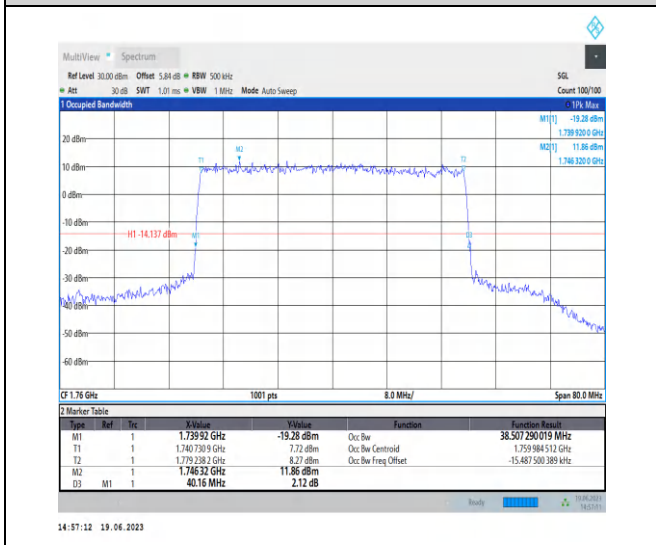
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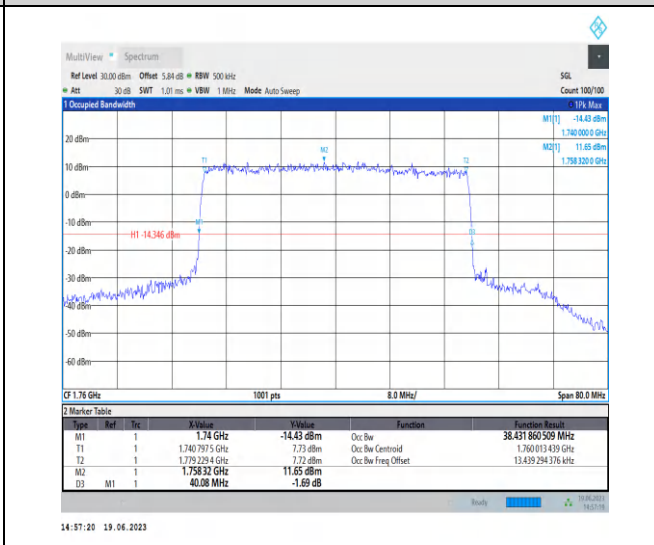
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1-N66-PC3-15-40-H-5-DFT-256QAM-Outer_Full-216
 @0-Ant3-38.407-40.160-<40-PASS



1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0
 -Ant3-38.507-40.160-<40-PASS



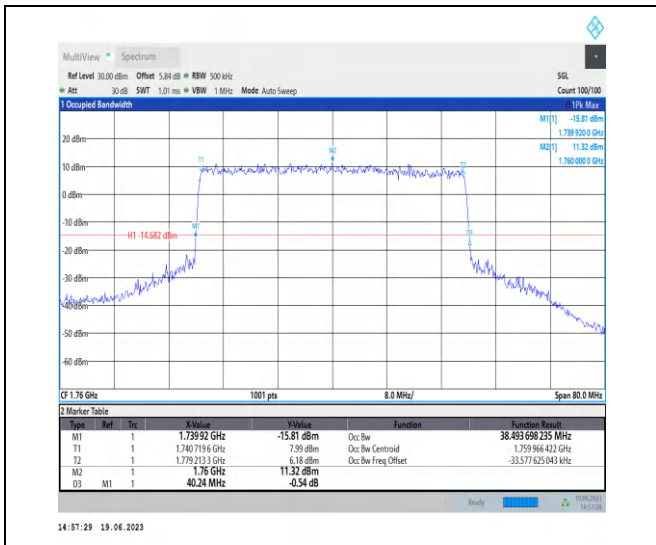
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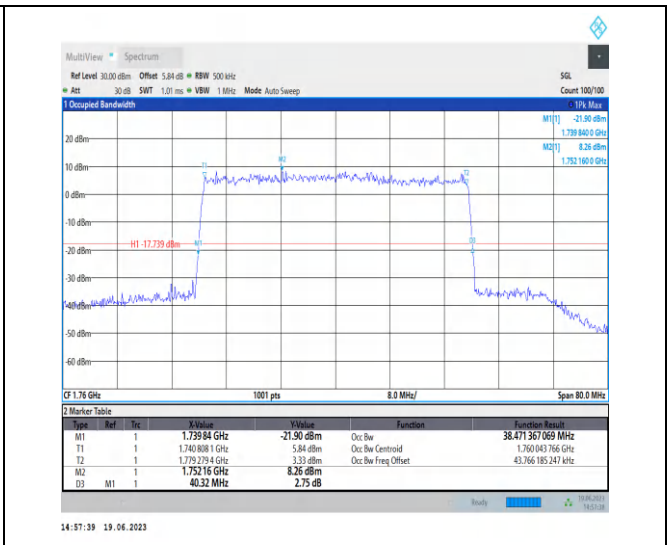
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1-N66-PC3-15-40-H-8-CP-64QAM-Outer_Full-216@
 0-Ant3-38.494-40.240-<40-PASS



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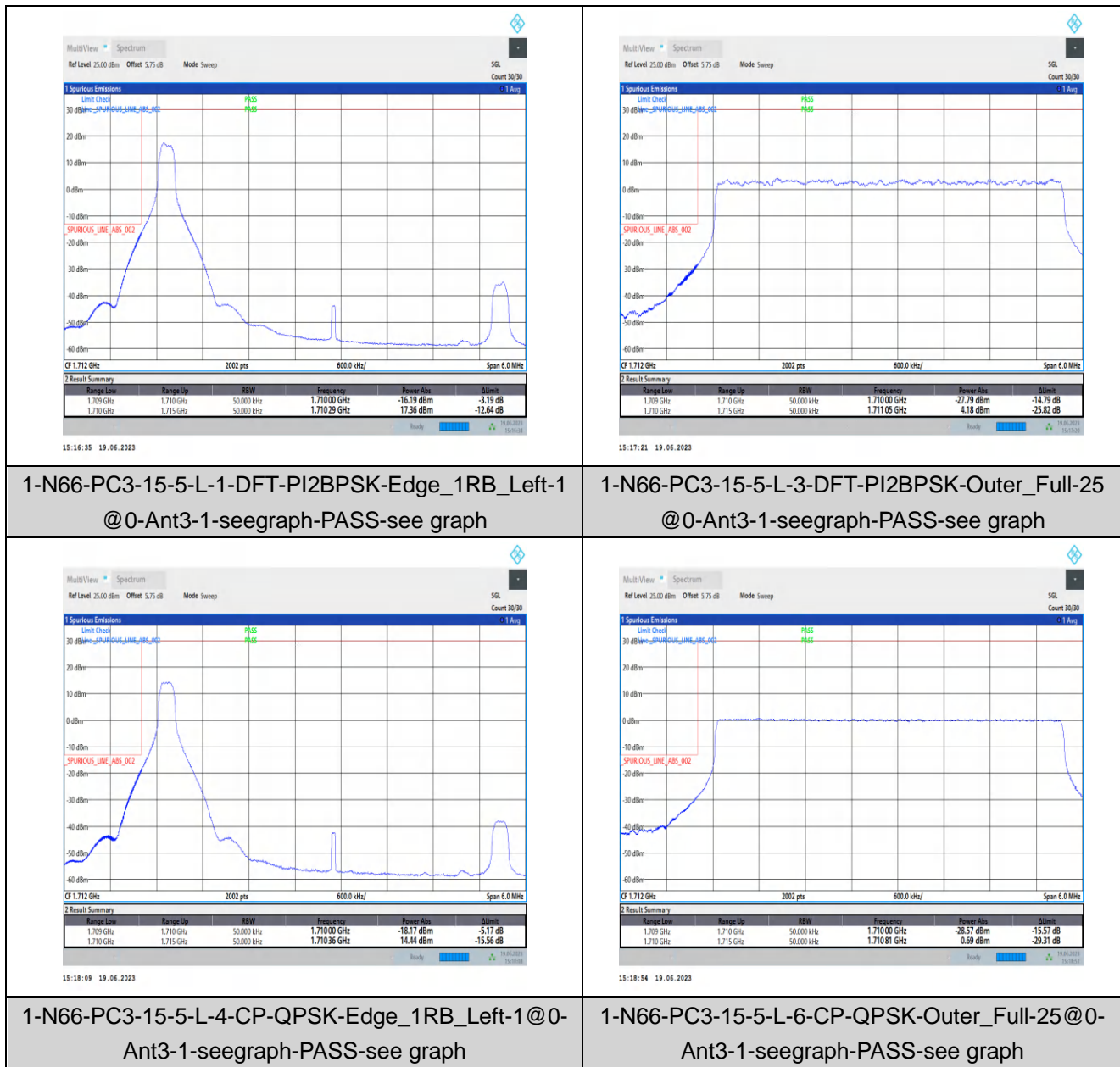
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Band Edge for SA

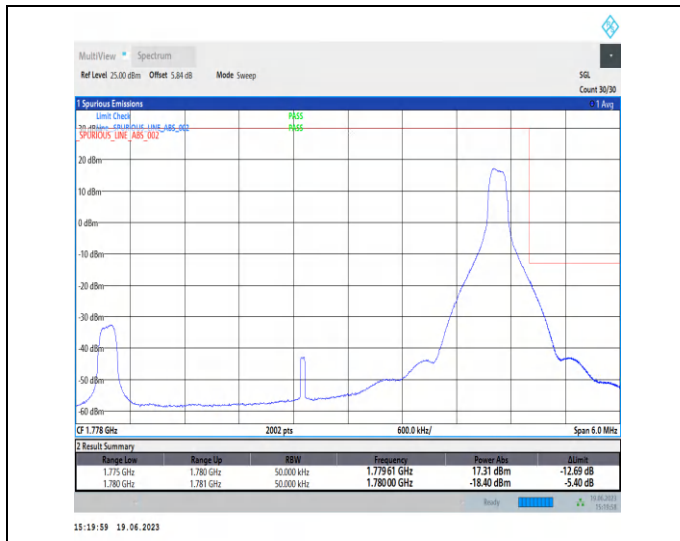
Test Graphs



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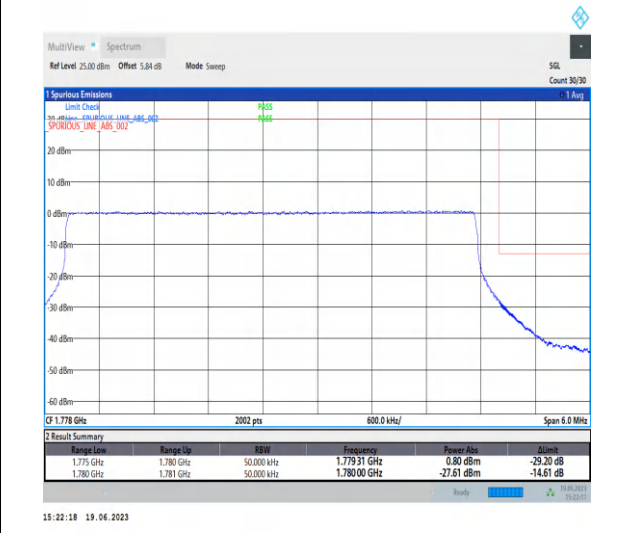
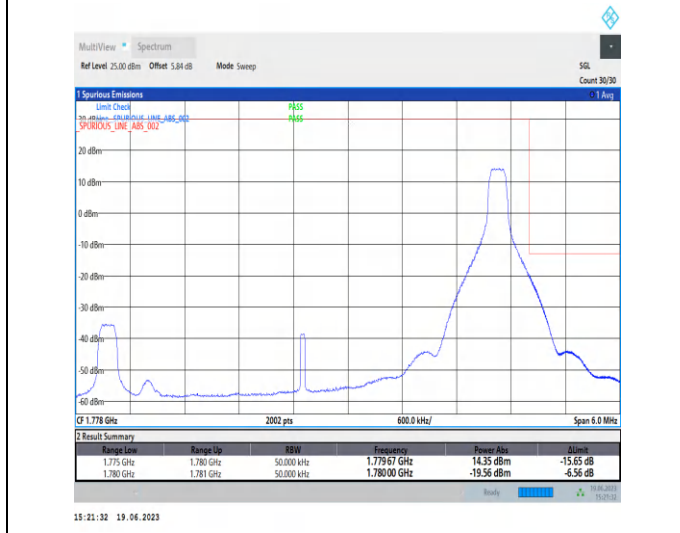
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1-N66-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right -1@24-Ant3-1-seegraph-PASS-see graph

1-N66-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25 @0-Ant3-1-seegraph-PASS-see graph



1-N66-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@ 24-Ant3-1-seegraph-PASS-see graph

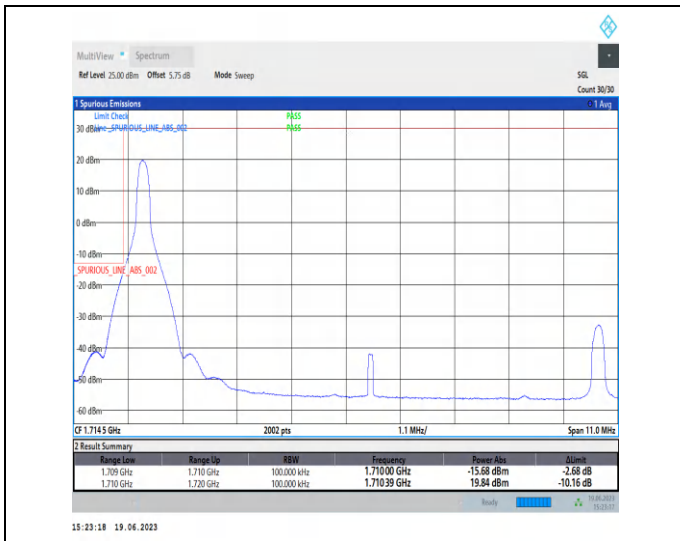
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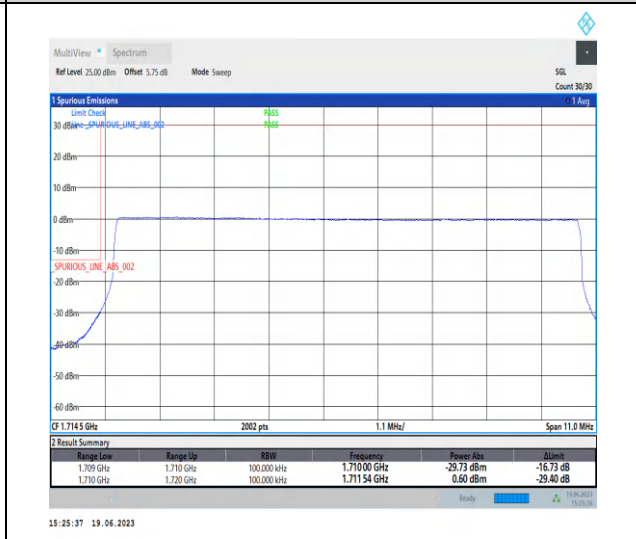
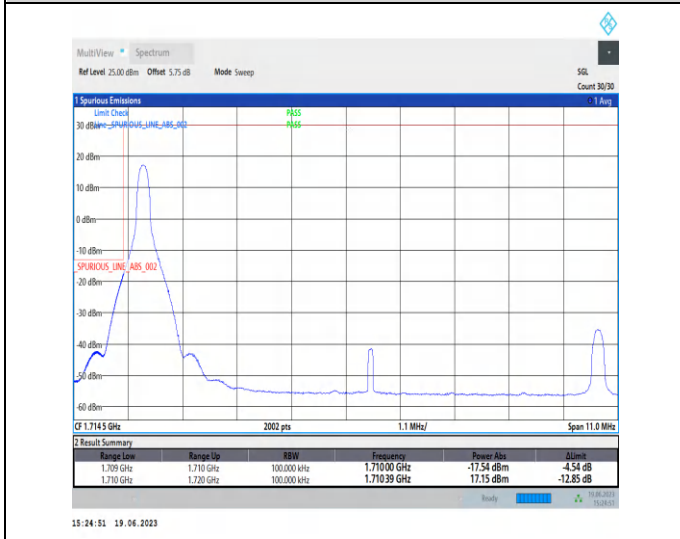
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1-N66-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N66-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant3-1-seegraph-PASS-see graph



1-N66-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

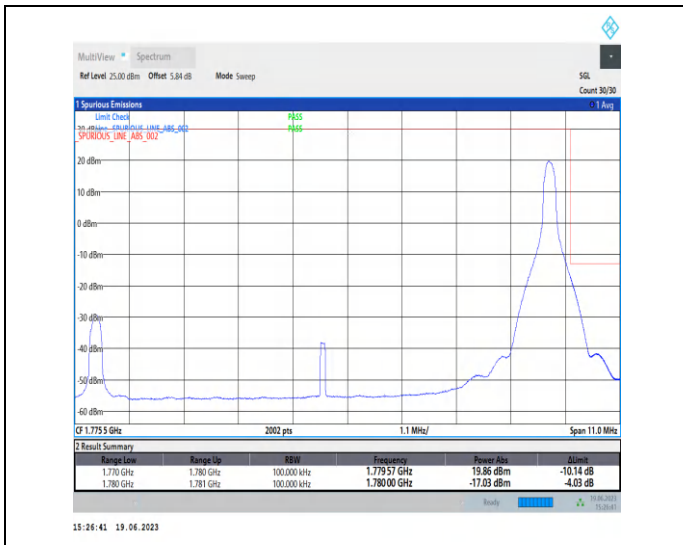
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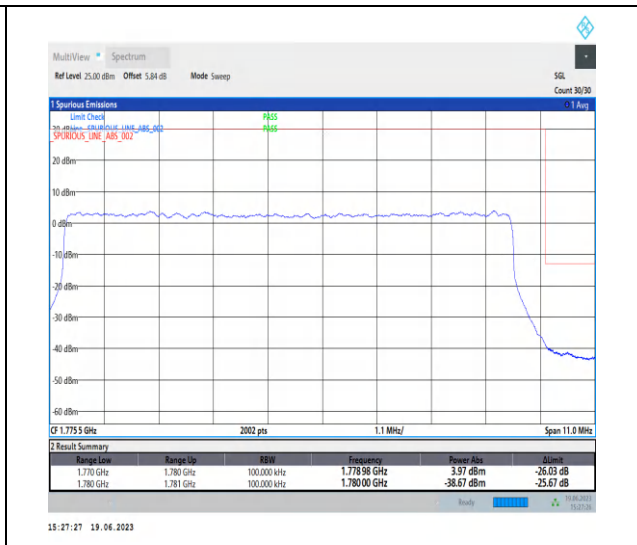
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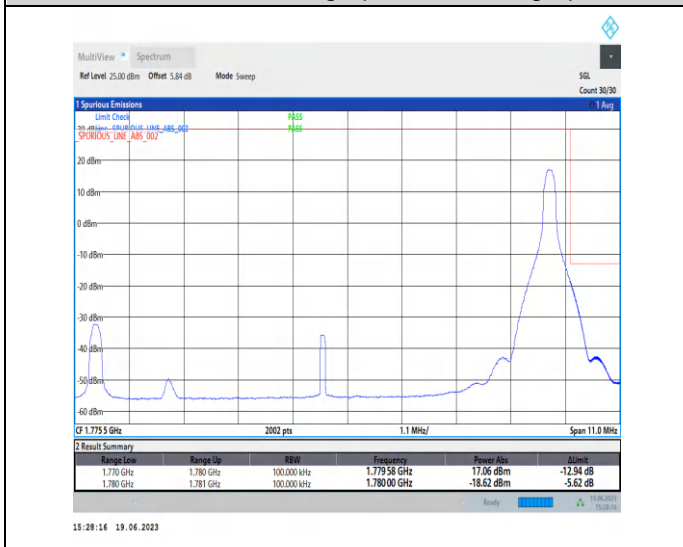
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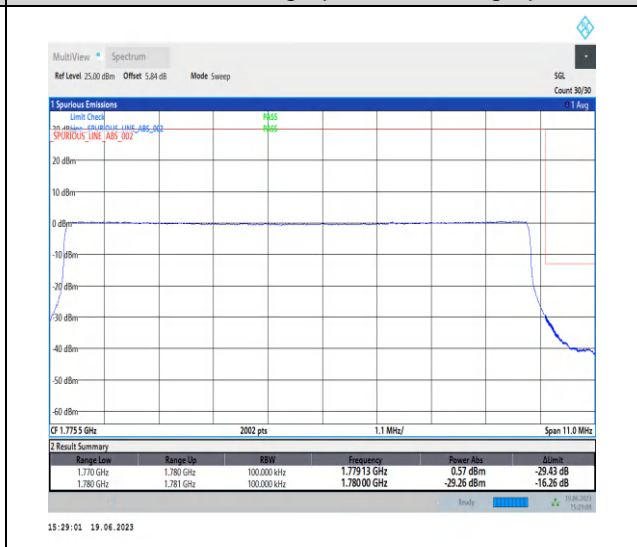
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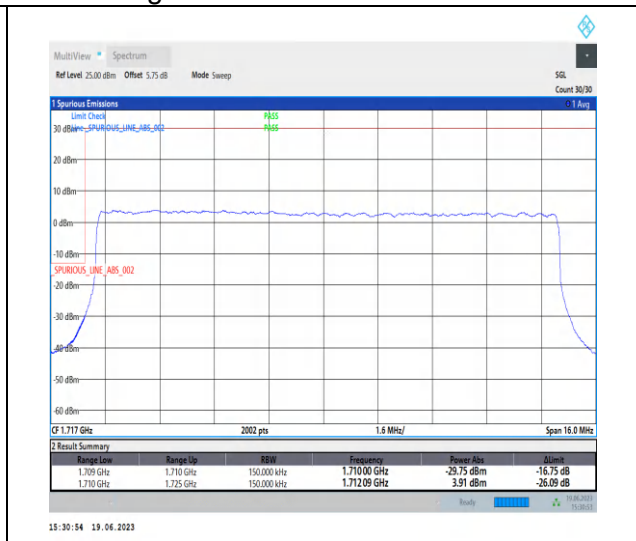
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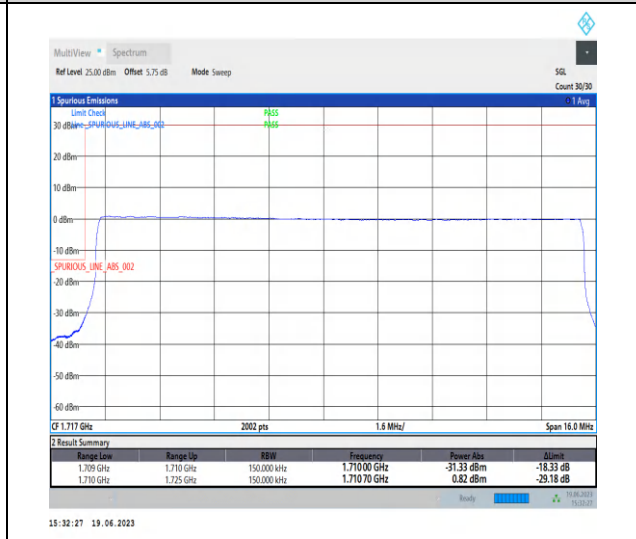
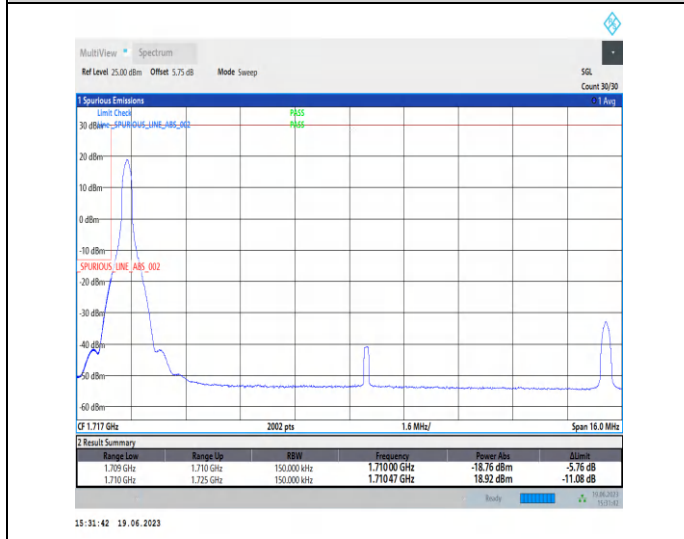
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1-N66-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N66-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant3-1-seegraph-PASS-see graph



1-N66-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

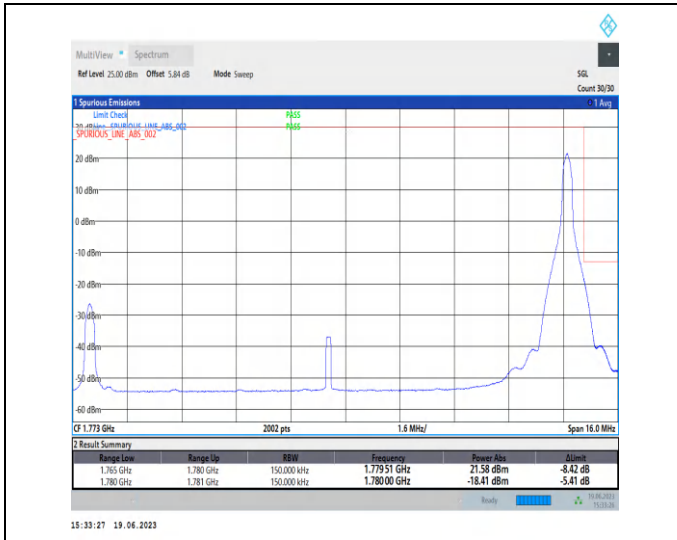
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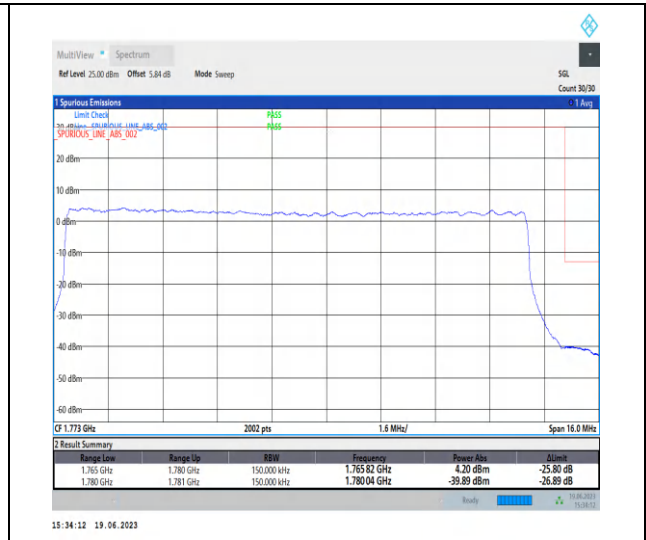
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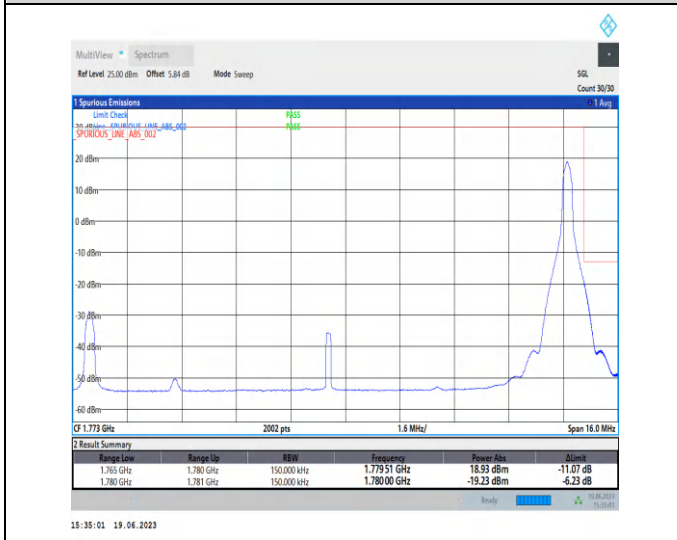
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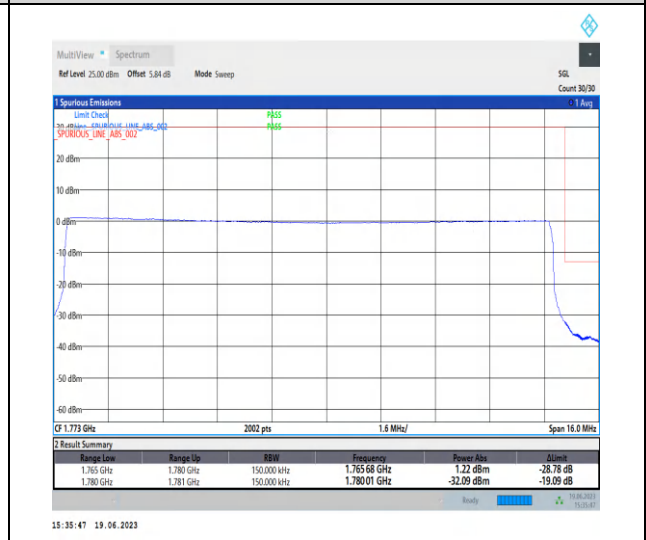
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1-N66-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant3-1-seegraph-PASS-see graph



1-N66-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant3-1-seegraph-PASS-see graph



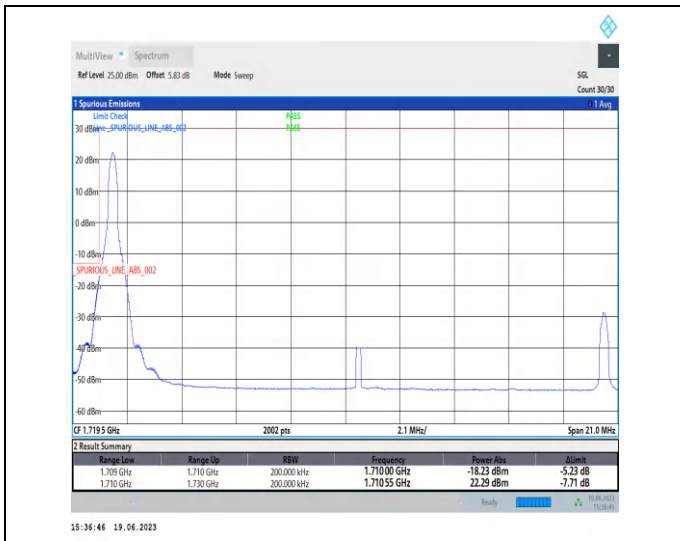
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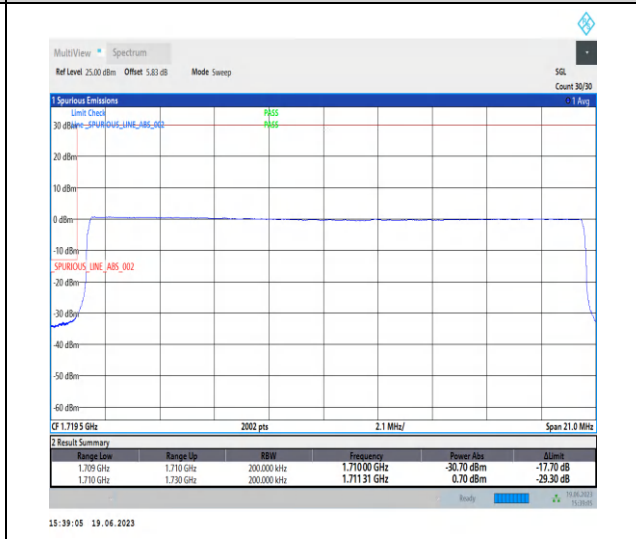
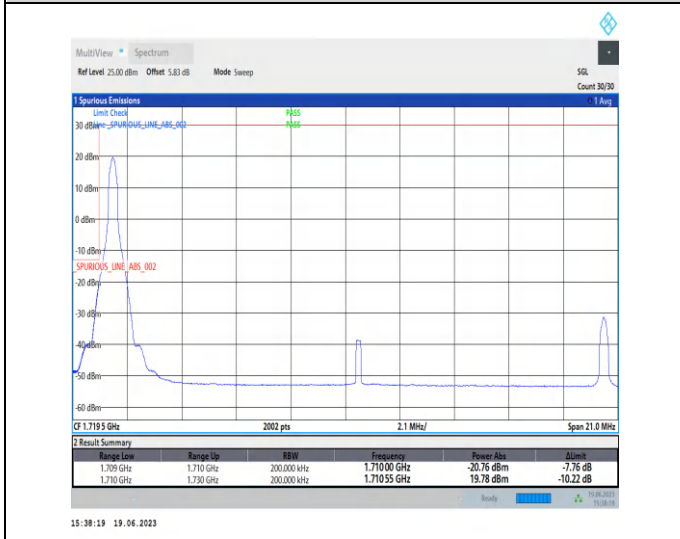
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1-N66-PC3-15-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

1-N66-PC3-15-20-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant3-1-seegraph-PASS-see graph



1-N66-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegraph-PASS-see graph

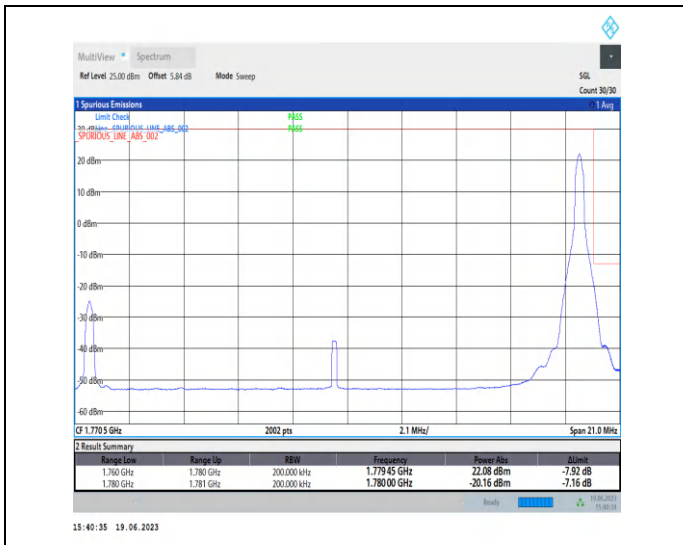
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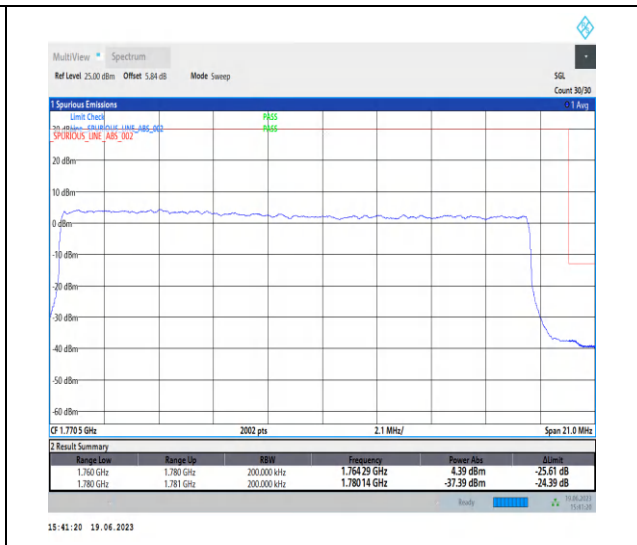
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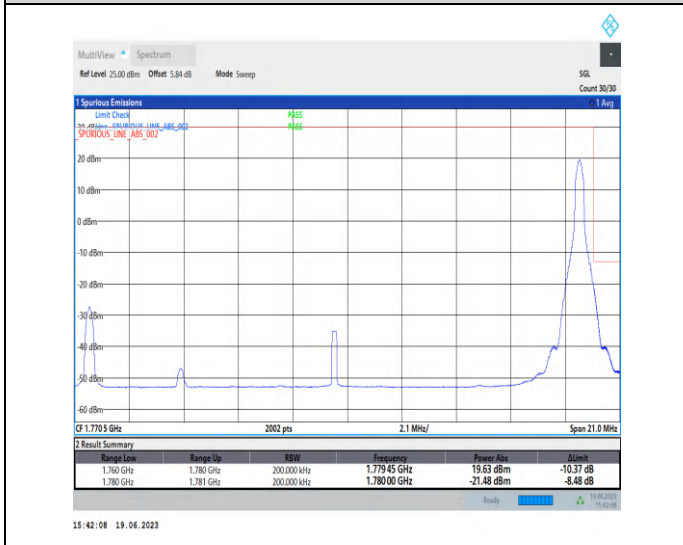
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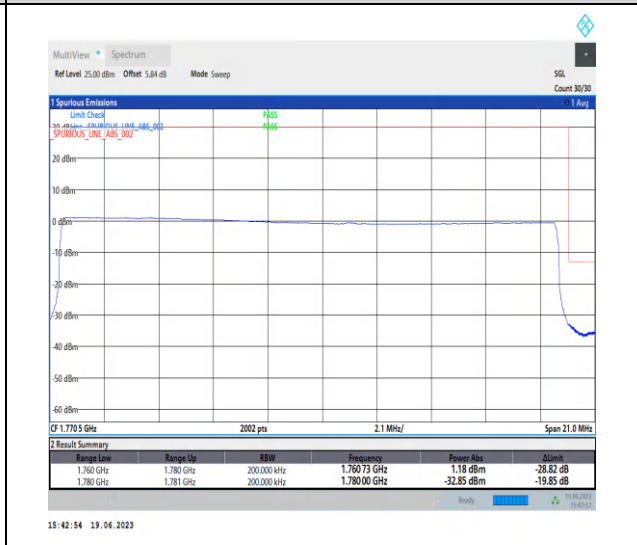
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1-N66-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant3-1-seegraph-PASS-see graph



1-N66-PC3-15-20-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant3-1-seegraph-PASS-see graph

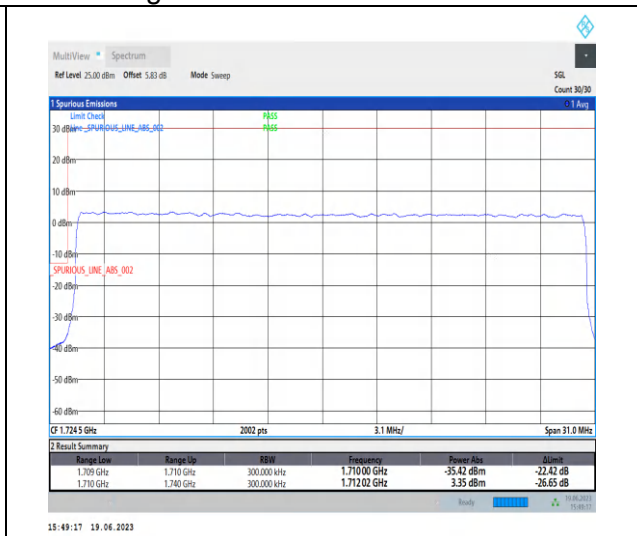
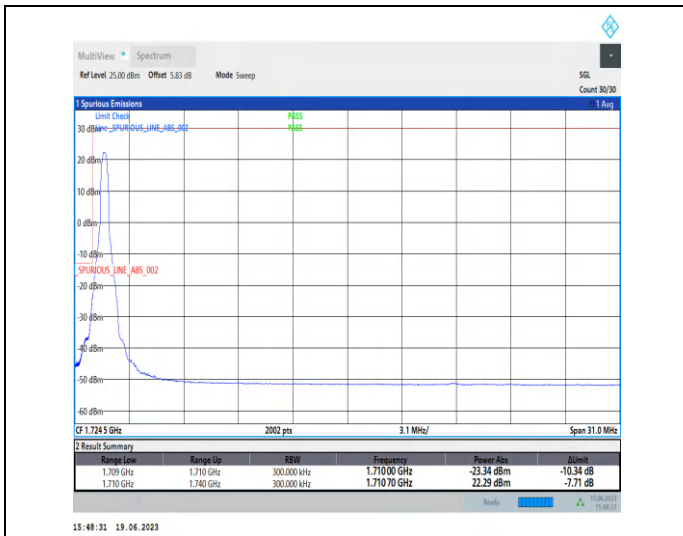


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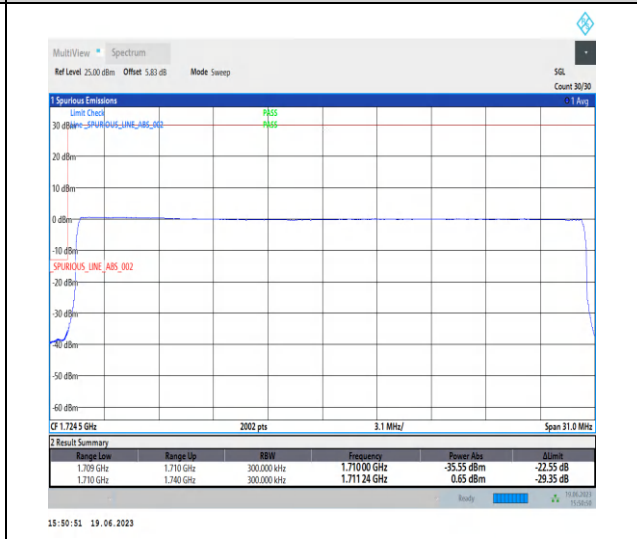
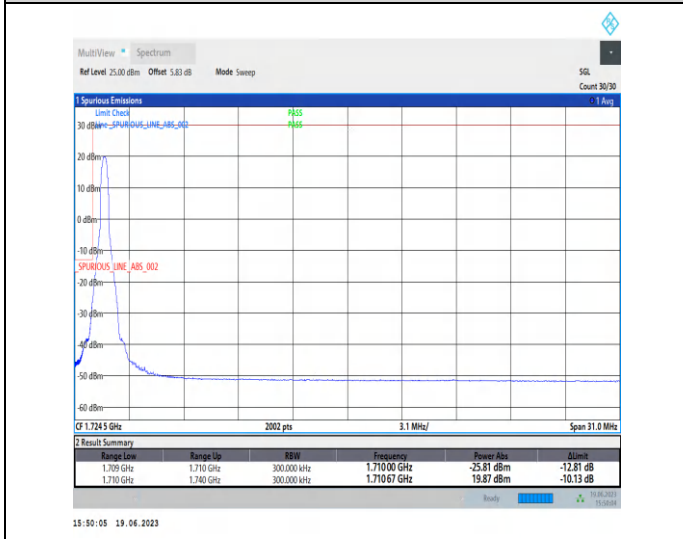
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1-N66-PC3-15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegrph-PASS-see graph

1-N66-PC3-15-30-L-3-DFT-PI2BPSK-Outer_Full-160@0-Ant3-1-seegrph-PASS-see graph



1-N66-PC3-15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegrph-PASS-see graph

1-N66-PC3-15-30-L-6-CP-QPSK-Outer_Full-160@0-Ant3-1-seegrph-PASS-see graph

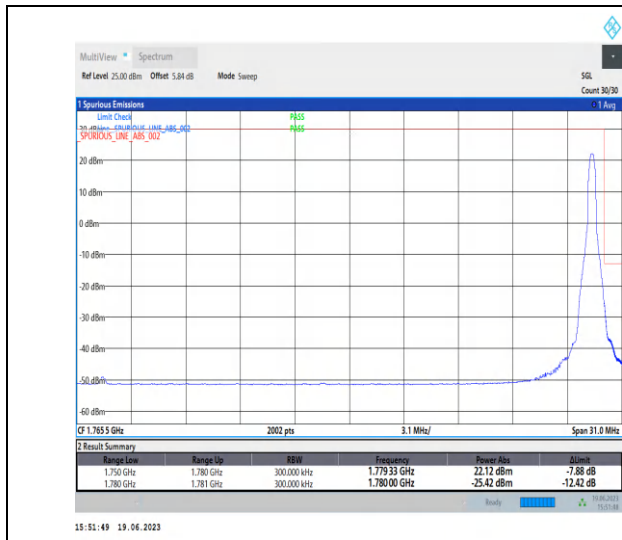


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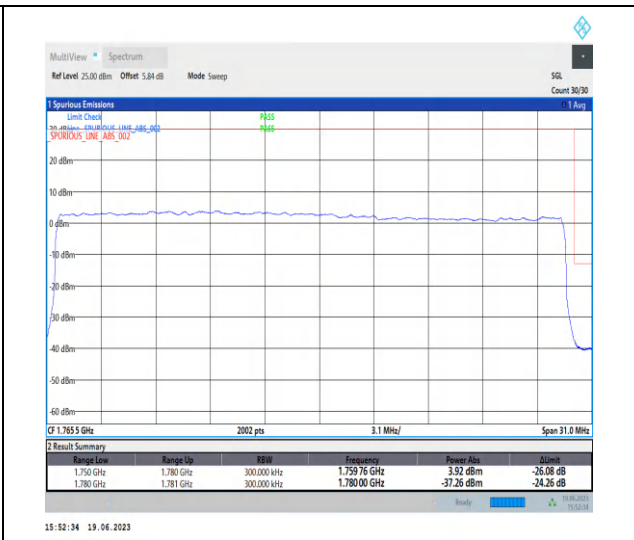
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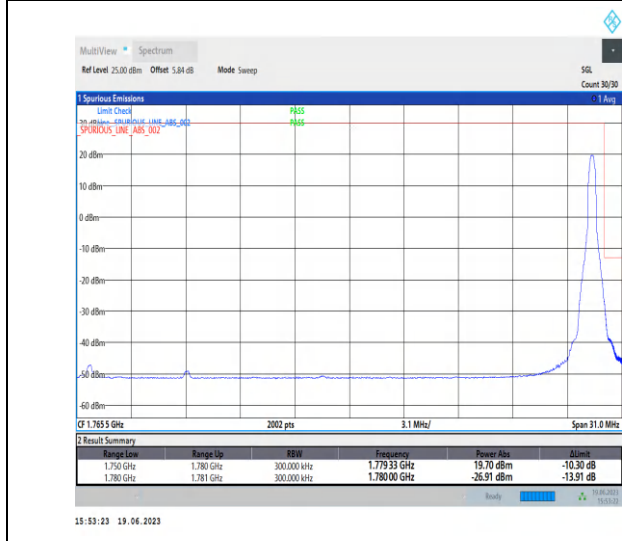
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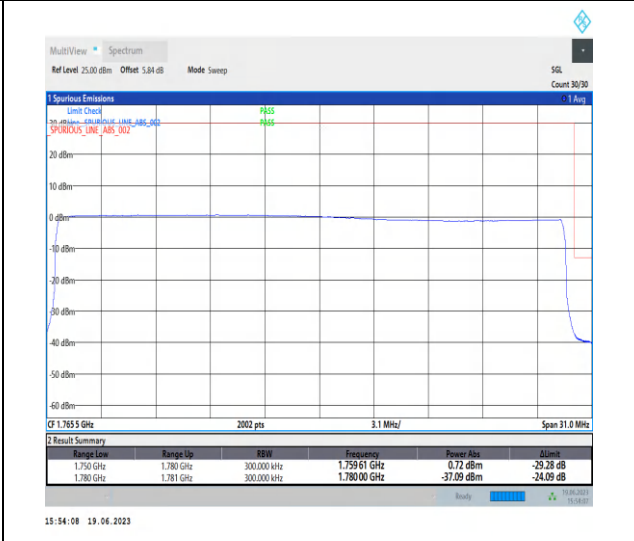
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1-N66-PC3-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant3-1-seegraph-PASS-see graph



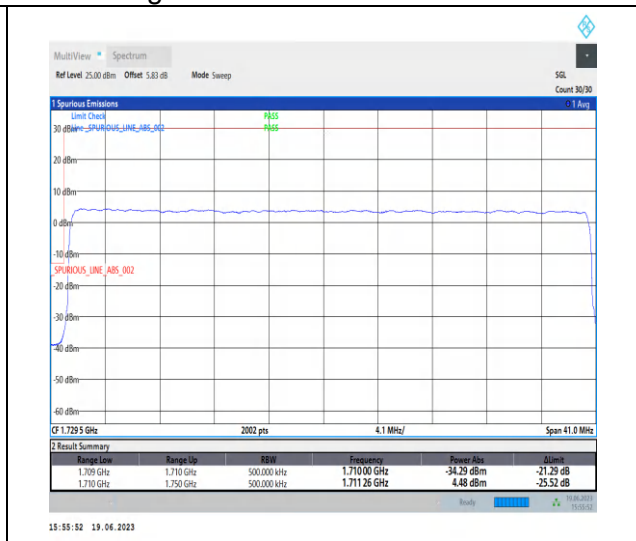
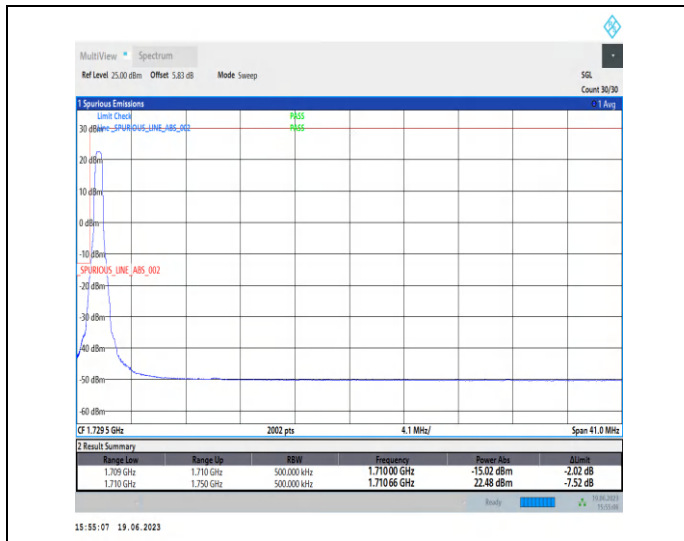
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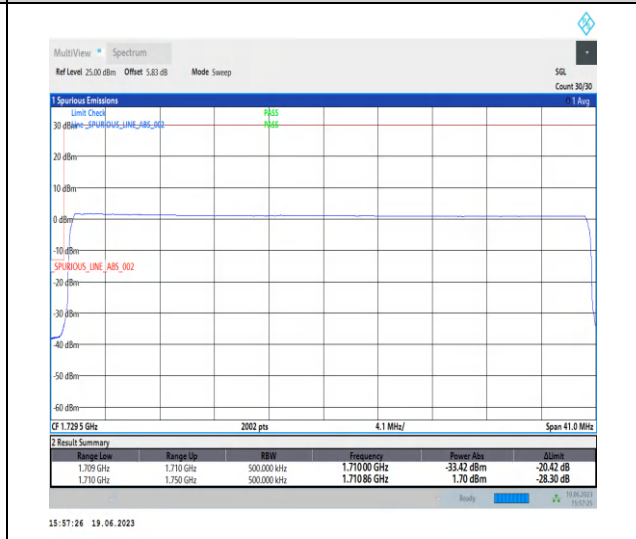
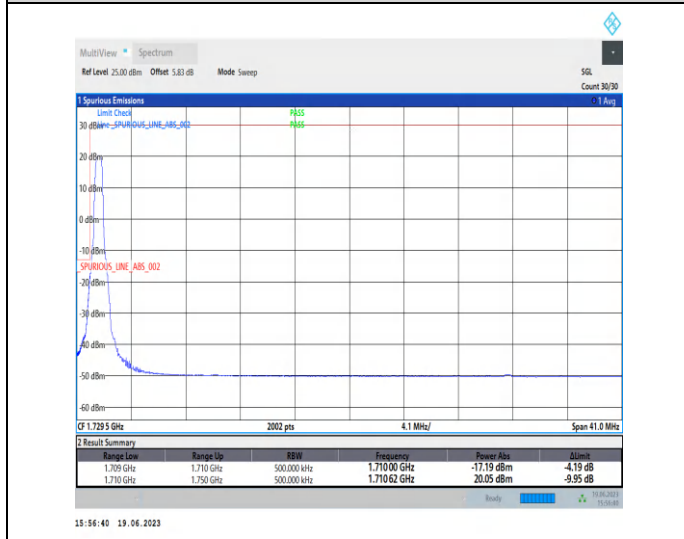
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1-N66-PC3-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant3-1-seegrph-PASS-see graph

1-N66-PC3-15-40-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant3-1-seegrph-PASS-see graph



1-N66-PC3-15-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant3-1-seegrph-PASS-see graph

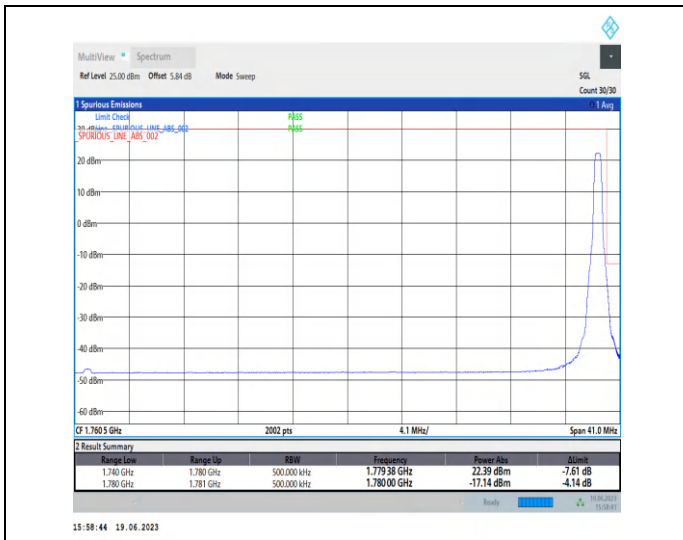
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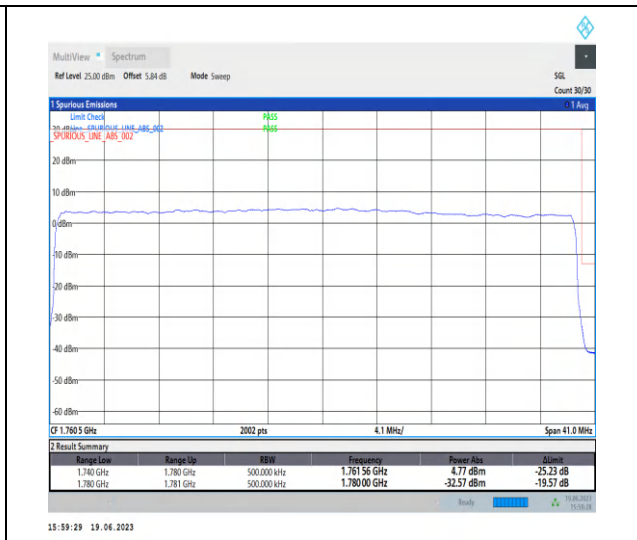
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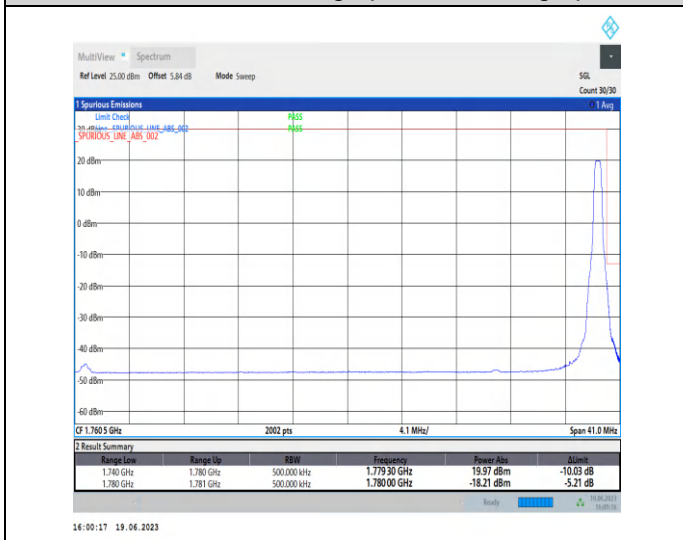
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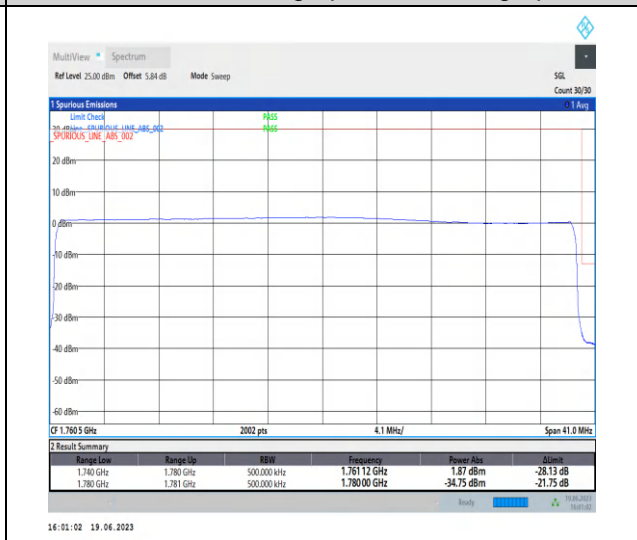
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1-N66-PC3-15-40-H-5-CP-QPSK-Edge_1RB_Right-1@215-Ant3-1-seegraph-PASS-see graph



1-N66-PC3-15-40-H-6-CP-QPSK-Outer_Full-216@0-Ant3-1-seegraph-PASS-see graph



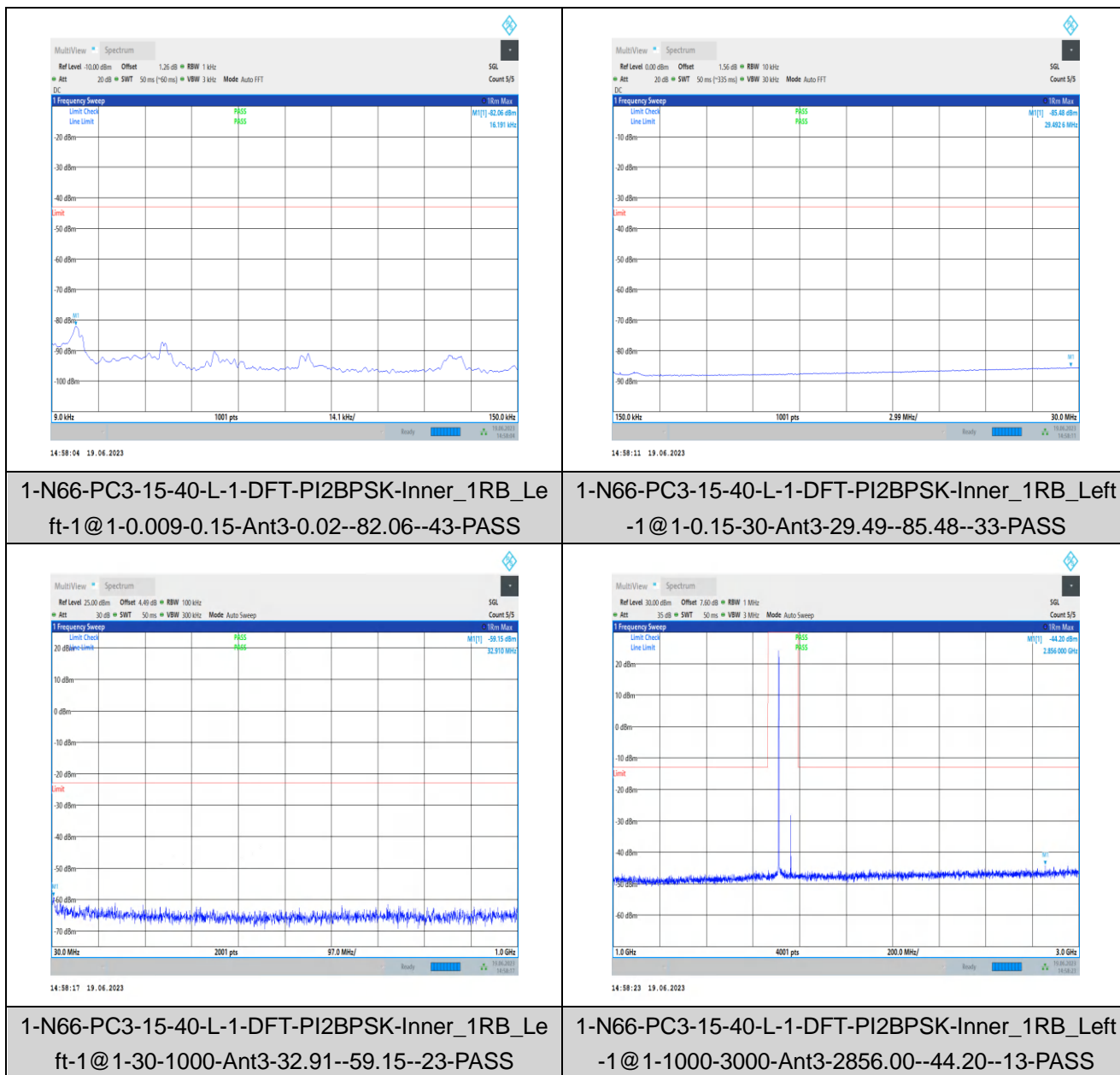
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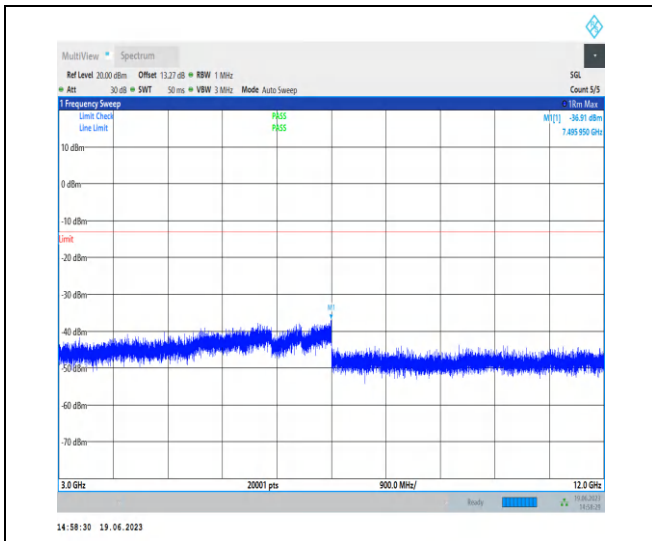
Test Graphs



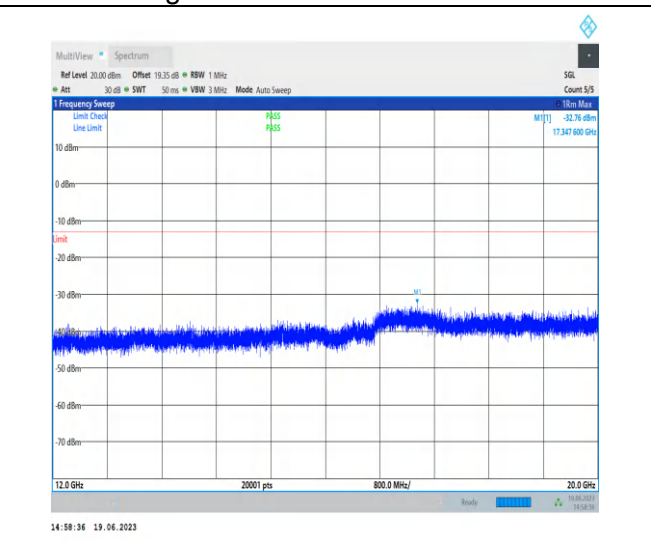
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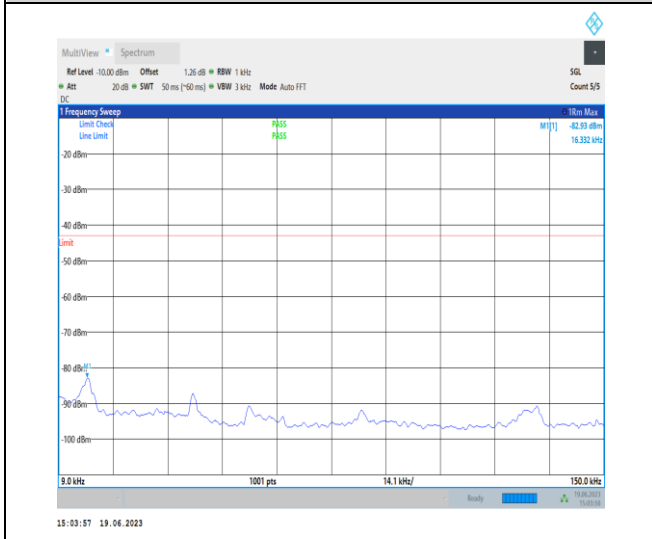
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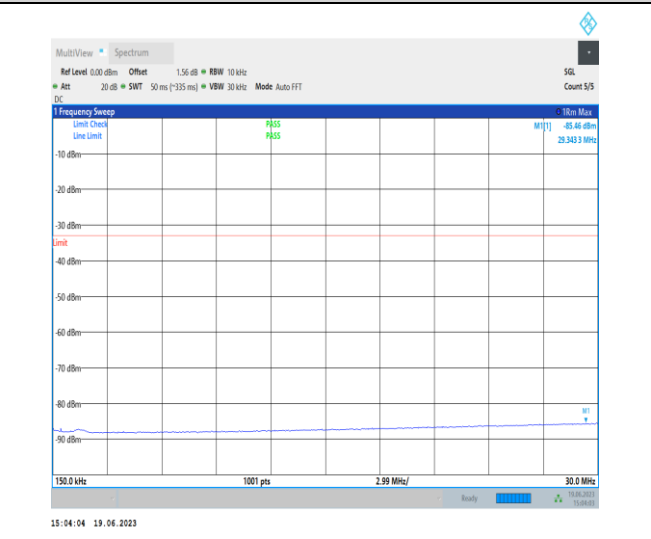
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1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_Left-ft-1@1-0.009-0.15-Ant3-0.02--82.93--43-PASS

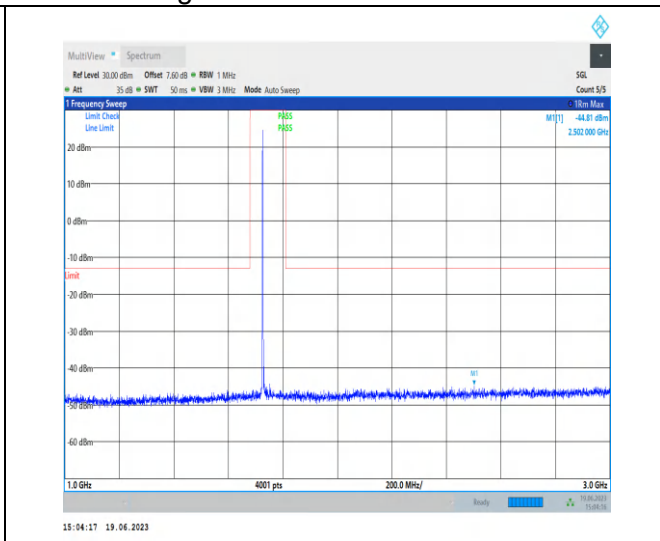
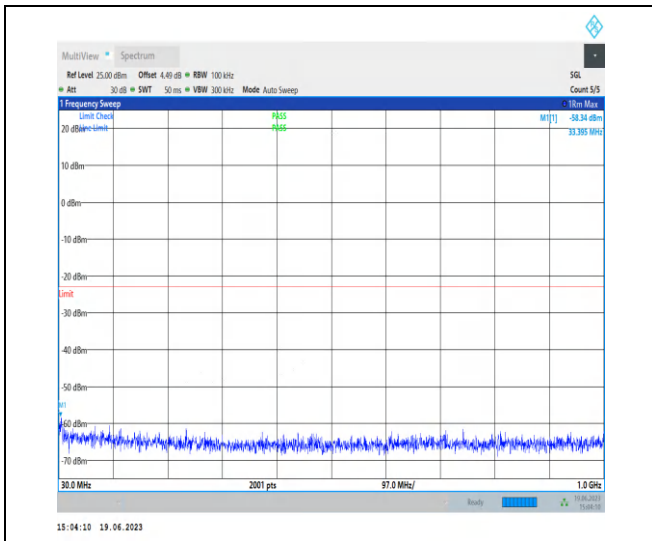


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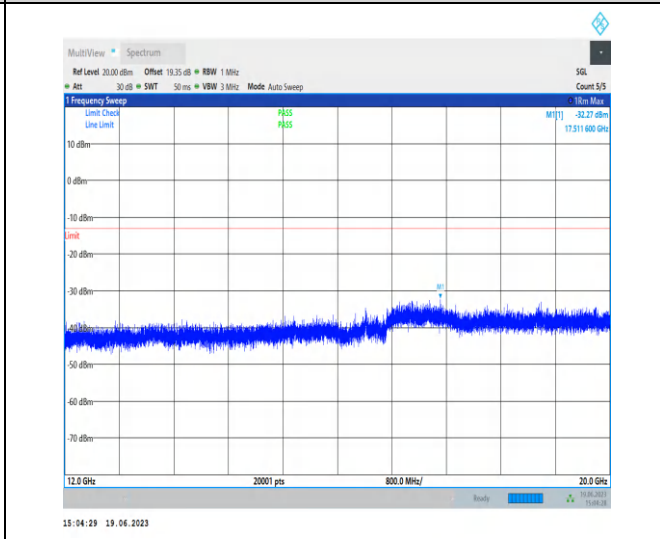
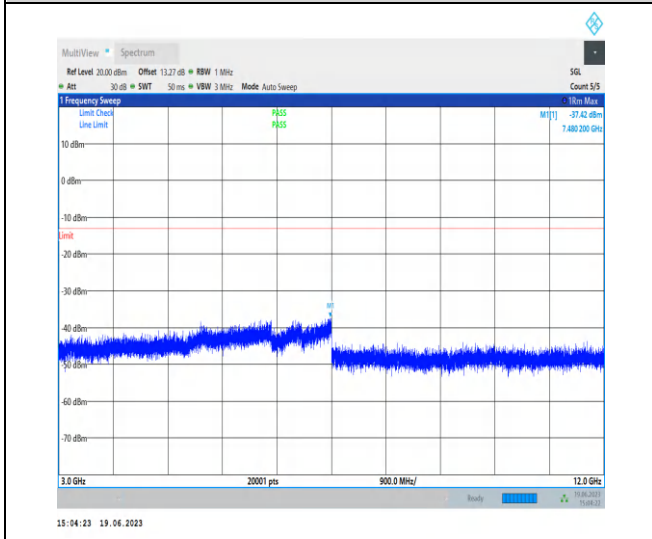
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1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1 @ 1-30-1000-Ant3-33.40--58.34--23-PASS

1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1 @ 1-1000-3000-Ant3-2502.00--44.81--13-PASS



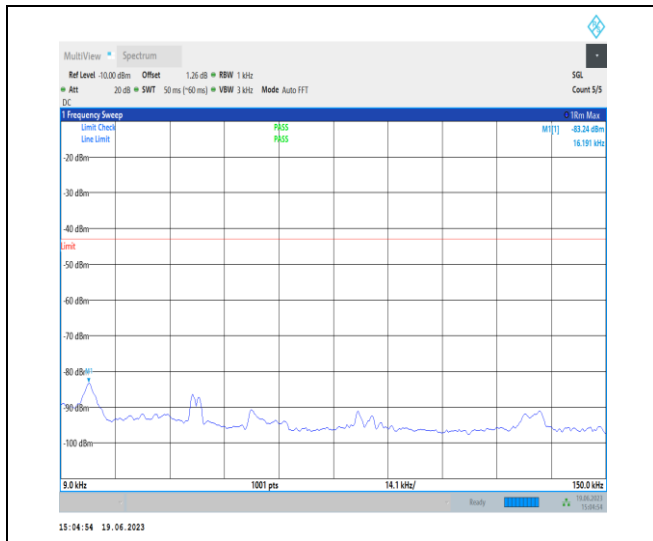
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1-N66-PC3-15-40-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1 @ 1-12000-20000-Ant3-17511.60--32.27--13-PASS

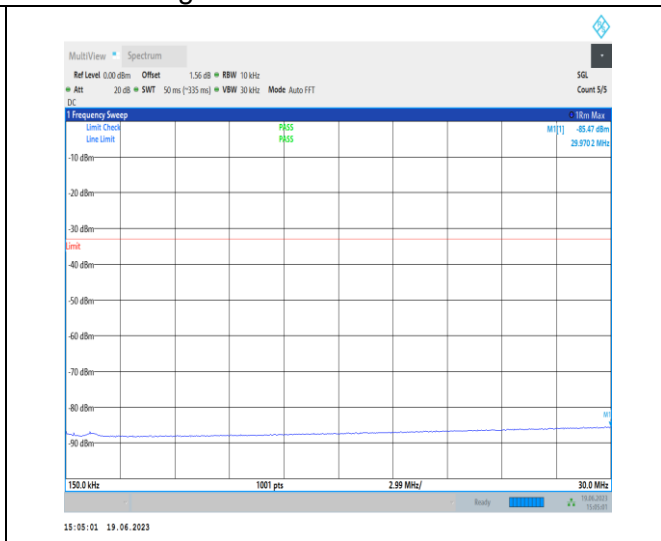


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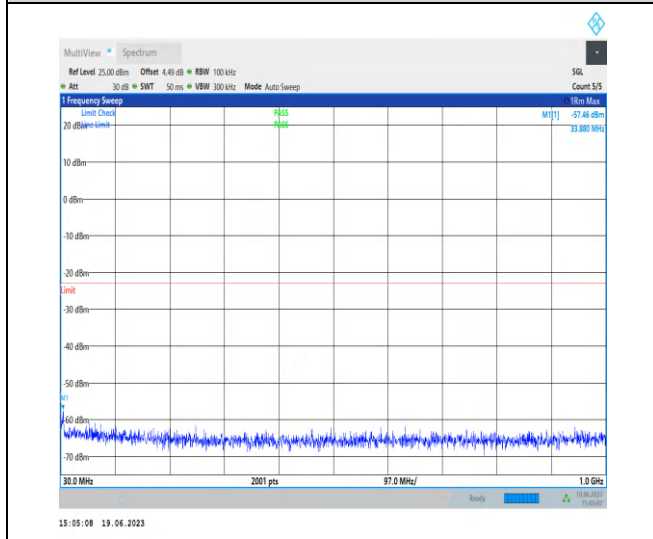
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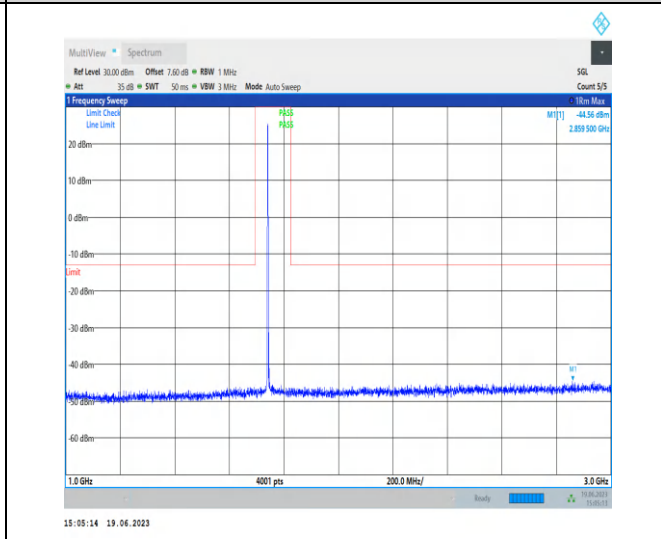
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1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-0.15-30-Ant3-29.97--85.47--33-PASS



1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-30-1000-Ant3-33.88--57.46--23-PASS



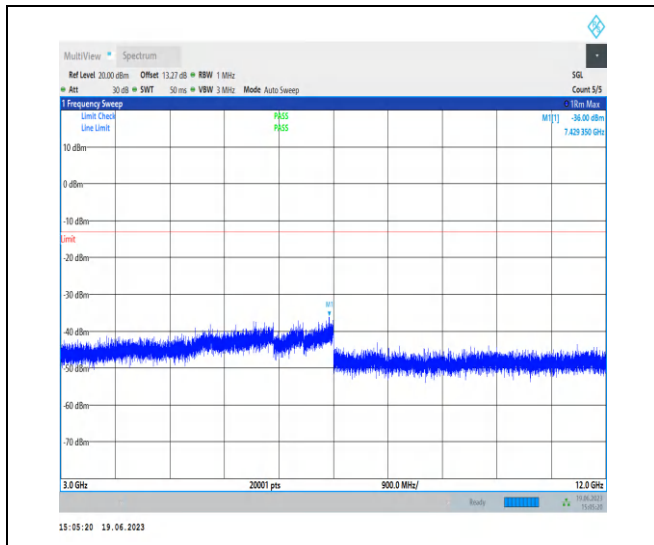
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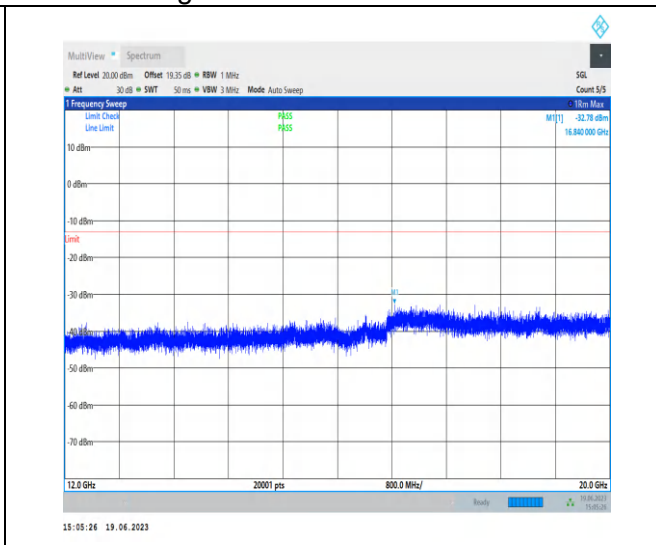
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1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L
 eft-1 @ 1-3000-12000-Ant3-7429.35--36.00--13-PAS
 S



1-N66-PC3-15-40-H-1-DFT-PI2BPSK-Inner_1RB_L ef
 t-1 @ 1-12000-20000-Ant3-16840.00--32.78--13-PASS



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Field Strength of Spurious Radiation(Worse)

Test Band = SA Band66_ TM1_40MHz
 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	4740.75	41.58	-45.58	30.83	-68.43	-13.00	55.43	175	301	Horizontal
2	5849.25	40.91	-44.86	32.67	-66.54	-13.00	53.54	188	301	Horizontal
3	6811.5	40.62	-44.16	34.86	-63.94	-13.00	50.94	186	357	Horizontal
4	8025	38.45	-42.10	36.79	-62.13	-13.00	49.13	256	16	Horizontal
5	9424.5	36.19	-39.93	37.11	-61.89	-13.00	48.89	145	347	Horizontal
6	11833.5	31.78	-36.99	38.78	-61.69	-13.00	48.69	193	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	4605	41.60	-45.67	30.53	-68.80	-13.00	55.80	175	360	Vertical
2	5445	41.00	-45.27	32.47	-67.07	-13.00	54.07	146	357	Vertical
3	6679.5	40.98	-43.92	34.62	-63.58	-13.00	50.58	259	29	Vertical
4	7786.5	39.23	-42.42	36.71	-61.73	-13.00	48.73	186	194	Vertical
5	9609.75	35.88	-39.65	37.46	-61.57	-13.00	48.57	251	118	Vertical
6	11232.75	33.55	-37.40	38.72	-60.39	-13.00	47.39	142	148	Vertical



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Test Band = SA Band66_ TM1_40MHz
 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	4453.5	41.94	-45.76	30.19	-68.89	-13.00	55.89	136	238	Horizontal
2	5687.25	40.84	-44.88	32.64	-66.66	-13.00	53.66	256	300	Horizontal
3	6993.75	40.11	-43.58	35.19	-63.55	-13.00	50.55	188	0	Horizontal
4	7758	39.32	-42.65	36.70	-61.89	-13.00	48.89	157	224	Horizontal
5	9853.5	35.50	-39.40	37.92	-61.24	-13.00	48.24	196	208	Horizontal
6	11943.75	32.50	-37.33	38.79	-61.30	-13.00	48.30	154	194	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	4560	41.53	-45.69	30.43	-68.98	-13.00	55.98	152	360	Vertical
2	5718	40.76	-44.83	32.64	-66.69	-13.00	53.69	147	360	Vertical
3	6814.5	41.48	-44.16	34.87	-63.07	-13.00	50.07	175	195	Vertical
4	7844.25	38.94	-42.54	36.74	-62.12	-13.00	49.12	136	270	Vertical
5	9278.25	37.39	-40.23	36.83	-61.27	-13.00	48.27	259	135	Vertical
6	12305.25	32.61	-37.42	38.89	-61.18	-13.00	48.18	111	209	Vertical



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Test Band = SA Band66_ TM1_40MHz
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	4518.75	41.73	-45.70	30.34	-68.89	-13.00	55.89	185	346	Horizontal
2	5435.25	41.28	-45.28	32.44	-66.81	-13.00	53.81	133	8	Horizontal
3	6100.5	40.51	-44.45	33.02	-66.18	-13.00	53.18	261	60	Horizontal
4	7625.25	39.24	-42.98	36.65	-62.35	-13.00	49.35	147	225	Horizontal
5	9603	35.80	-39.66	37.45	-61.68	-13.00	48.68	198	151	Horizontal
6	12519	32.37	-37.08	38.96	-61.01	-13.00	48.01	158	105	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	5224.5	41.00	-45.23	31.94	-67.55	-13.00	54.55	185	75	Vertical
2	6103.5	40.52	-44.46	33.03	-66.17	-13.00	53.17	147	165	Vertical
3	7242.75	39.47	-43.56	35.88	-63.47	-13.00	50.47	166	316	Vertical
4	8388	38.73	-41.52	36.61	-61.44	-13.00	48.44	125	359	Vertical
5	10587	33.86	-38.51	38.49	-61.42	-13.00	48.42	185	179	Vertical
6	12774	32.29	-36.79	39.03	-60.73	-13.00	47.73	199	151	Vertical



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Test Band = NSA 2A-N66A_ TM1
 Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4917.75	42.32	-45.55	31.22	-67.27	-13.00	54.27	284	286	Horizontal
2	6328.5	40.58	-44.50	33.75	-65.43	-13.00	52.43	175	0	Horizontal
3	7748.25	38.85	-42.73	36.70	-62.44	-13.00	49.44	142	60	Horizontal
4	8859	37.57	-41.24	36.37	-62.56	-13.00	49.56	136	165	Horizontal
5	10095.75	35.02	-39.13	38.25	-61.12	-13.00	48.12	256	29	Horizontal
6	12864.75	32.38	-37.01	39.06	-60.83	-13.00	47.83	144	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	4429.5	41.77	-45.79	30.13	-69.15	-13.00	56.15	186	74	Vertical
2	6329.25	40.78	-44.50	33.75	-65.23	-13.00	52.23	265	4	Vertical
3	7202.25	39.16	-43.43	35.77	-63.76	-13.00	50.76	145	209	Vertical
4	8017.5	38.36	-42.18	36.79	-62.29	-13.00	49.29	182	105	Vertical
5	10031.25	35.24	-39.20	38.22	-61.01	-13.00	48.01	193	353	Vertical
6	12056.25	32.38	-37.47	38.82	-61.53	-13.00	48.53	231	330	Vertical



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Test Band = NSA 2A-N66A_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4605	41.60	-45.67	30.53	-68.80	-13.00	55.80	152	330	Horizontal
2	6046.5	40.65	-44.65	32.85	-66.41	-13.00	53.41	147	314	Horizontal
3	7803.75	39.50	-42.33	36.72	-61.37	-13.00	48.37	169	73	Horizontal
4	9133.5	36.41	-40.32	36.55	-62.61	-13.00	49.61	122	2	Horizontal
5	11220	33.95	-37.40	38.72	-59.98	-13.00	46.98	158	346	Horizontal
6	13252.5	31.98	-37.03	39.55	-60.76	-13.00	47.76	135	330	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	4740.75	41.32	-45.58	30.83	-68.69	-13.00	55.69	125	4	Vertical
2	6609.75	40.76	-44.30	34.50	-64.30	-13.00	51.30	148	150	Vertical
3	7431	40.30	-43.33	36.41	-61.88	-13.00	48.88	136	360	Vertical
4	8706.75	38.79	-41.66	36.45	-61.68	-13.00	48.68	211	240	Vertical
5	10017	34.88	-39.22	38.21	-61.39	-13.00	48.39	156	226	Vertical
6	12305.25	32.85	-37.42	38.89	-60.94	-13.00	47.94	299	60	Vertical



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Test Band = NSA 2A-N66A_ TM1
 Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4275	41.58	-45.60	29.76	-69.52	-13.00	56.52	230	76	Horizontal
2	5955.75	41.08	-44.89	32.69	-66.38	-13.00	53.38	258	164	Horizontal
3	7433.25	39.84	-43.32	36.41	-62.33	-13.00	49.33	196	242	Horizontal
4	9090	36.67	-40.42	36.47	-62.53	-13.00	49.53	257	316	Horizontal
5	11607.75	32.30	-36.90	38.76	-61.10	-13.00	48.10	142	356	Horizontal
6	14355	32.21	-35.41	41.04	-57.42	-13.00	44.42	166	270	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	4567.5	41.73	-45.68	30.45	-68.76	-13.00	55.76	248	256	Vertical
2	5718	40.77	-44.83	32.64	-66.68	-13.00	53.68	100	256	Vertical
3	6789.75	40.59	-44.13	34.82	-63.98	-13.00	50.98	258	120	Vertical
4	8256.75	38.37	-42.14	36.67	-62.36	-13.00	49.36	111	256	Vertical
5	9635.25	35.48	-39.59	37.51	-61.86	-13.00	48.86	172	120	Vertical
6	12327	33.27	-37.45	38.90	-60.54	-13.00	47.54	210	360	Vertical



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Test Band = NSA 5A-N66A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4841.25	41.52	-45.54	31.05	-68.23	-13.00	55.23	244	300	Horizontal
2	5848.5	40.62	-44.86	32.67	-66.83	-13.00	53.83	159	269	Horizontal
3	7419	40.17	-43.36	36.37	-62.08	-13.00	49.08	185	3	Horizontal
4	8391	38.48	-41.50	36.60	-61.68	-13.00	48.68	127	211	Horizontal
5	10103.25	35.22	-39.13	38.25	-60.92	-13.00	47.92	166	255	Horizontal
6	12312	33.21	-37.43	38.89	-60.58	-13.00	47.58	231	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	4564.5	41.80	-45.68	30.44	-68.70	-13.00	55.70	244	284	Vertical
2	5858.25	41.06	-44.88	32.67	-66.41	-13.00	53.41	196	301	Vertical
3	6614.25	40.53	-44.27	34.51	-64.50	-13.00	51.50	231	210	Vertical
4	8023.5	38.78	-42.12	36.79	-61.81	-13.00	48.81	155	105	Vertical
5	9639	35.67	-39.58	37.51	-61.66	-13.00	48.66	172	352	Vertical
6	12062.25	32.55	-37.45	38.82	-61.34	-13.00	48.34	166	359	Vertical



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Test Band = NSA 5A-N66A_ TM1
 Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4501.5	41.55	-45.71	30.30	-69.12	-13.00	56.12	245	226	Horizontal
2	6153	40.42	-44.61	33.19	-66.26	-13.00	53.26	163	166	Horizontal
3	7395	40.19	-43.43	36.31	-62.19	-13.00	49.19	288	181	Horizontal
4	8403.75	38.93	-41.46	36.60	-61.19	-13.00	48.19	175	240	Horizontal
5	10017.75	35.45	-39.22	38.21	-60.82	-13.00	47.82	146	209	Horizontal
6	11616	32.45	-36.91	38.76	-60.96	-13.00	47.96	129	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	4595.25	41.51	-45.67	30.51	-68.91	-13.00	55.91	231	255	Vertical
2	5724	40.83	-44.83	32.64	-66.61	-13.00	53.61	102	255	Vertical
3	7261.5	39.90	-43.62	35.93	-63.05	-13.00	50.05	147	104	Vertical
4	7840.5	39.10	-42.52	36.74	-61.94	-13.00	48.94	186	181	Vertical
5	9324	36.66	-40.13	36.92	-61.81	-13.00	48.81	195	357	Vertical
6	12087	32.36	-37.38	38.83	-61.45	-13.00	48.45	111	240	Vertical



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Test Band = NSA 5A-N66A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4784.25	40.99	-45.55	30.93	-68.89	-13.00	55.89	287	256	Horizontal
2	5943.75	41.27	-44.91	32.69	-66.21	-13.00	53.21	149	301	Horizontal
3	7421.25	40.18	-43.35	36.38	-62.05	-13.00	49.05	156	195	Horizontal
4	8880.75	37.91	-41.24	36.36	-62.23	-13.00	49.23	311	104	Horizontal
5	10629	34.00	-38.30	38.51	-61.04	-13.00	48.04	156	135	Horizontal
6	12465.75	32.66	-37.16	38.94	-60.82	-13.00	47.82	213	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	4245.75	41.90	-45.66	29.69	-69.33	-13.00	56.33	247	43	Vertical
2	5961	41.37	-44.88	32.69	-66.08	-13.00	53.08	196	314	Vertical
3	7620.75	39.31	-42.97	36.65	-62.27	-13.00	49.27	254	58	Vertical
4	8407.5	39.18	-41.46	36.60	-60.95	-13.00	47.95	132	209	Vertical
5	9837	35.42	-39.42	37.89	-61.37	-13.00	48.37	166	343	Vertical
6	12711	32.61	-36.70	39.01	-60.33	-13.00	47.33	133	103	Vertical



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Test Band = NSA 7A-N66A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3977.25	42.21	-46.09	29.08	-70.07	-13.00	57.07	248	58	Horizontal
2	5409	41.58	-45.29	32.38	-66.59	-13.00	53.59	175	356	Horizontal
3	6324	40.48	-44.51	33.74	-65.55	-13.00	52.55	136	225	Horizontal
4	7434.75	40.20	-43.32	36.42	-61.96	-13.00	48.96	251	2	Horizontal
5	8396.25	38.77	-41.47	36.60	-61.36	-13.00	48.36	145	255	Horizontal
6	11586	32.60	-36.96	38.76	-60.86	-13.00	47.86	166	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	4219.5	41.54	-45.73	29.63	-69.82	-13.00	56.82	126	314	Vertical
2	5214.75	41.15	-45.25	31.92	-67.45	-13.00	54.45	315	314	Vertical
3	6826.5	40.94	-44.15	34.89	-63.58	-13.00	50.58	148	165	Vertical
4	8351.25	38.93	-41.72	36.62	-61.43	-13.00	48.43	175	134	Vertical
5	10683	33.63	-37.98	38.54	-61.07	-13.00	48.07	126	358	Vertical
6	12704.25	32.72	-36.69	39.01	-60.22	-13.00	47.22	299	75	Vertical



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Test Band = NSA 7A-N66A_ TM1
 Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4577.25	41.82	-45.68	30.47	-68.65	-13.00	55.65	188	299	Horizontal
2	5532.75	41.25	-45.18	32.61	-66.59	-13.00	53.59	174	225	Horizontal
3	6669	40.22	-43.98	34.60	-64.41	-13.00	51.41	156	314	Horizontal
4	7749.75	39.73	-42.72	36.70	-61.55	-13.00	48.55	126	118	Horizontal
5	9372	36.89	-39.94	37.01	-61.30	-13.00	48.30	299	225	Horizontal
6	11827.5	32.54	-36.98	38.78	-60.92	-13.00	47.92	142	16	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	4559.25	42.31	-45.69	30.43	-68.21	-13.00	55.21	154	353	Vertical
2	5952	40.91	-44.90	32.69	-66.56	-13.00	53.56	172	226	Vertical
3	7047	40.15	-43.86	35.33	-63.64	-13.00	50.64	155	242	Vertical
4	8251.5	38.75	-42.16	36.67	-62.00	-13.00	49.00	164	360	Vertical
5	9985.5	35.44	-39.25	38.17	-60.90	-13.00	47.90	189	226	Vertical
6	11573.25	32.62	-37.01	38.76	-60.89	-13.00	47.89	126	226	Vertical



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Test Band = NSA 7A-N66A_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4269.75	41.60	-45.61	29.75	-69.52	-13.00	56.52	255	344	Horizontal
2	5098.5	40.77	-45.37	31.64	-68.23	-13.00	55.23	174	164	Horizontal
3	6406.5	40.47	-44.42	34.00	-65.21	-13.00	52.21	186	164	Horizontal
4	7747.5	39.77	-42.74	36.70	-61.53	-13.00	48.53	251	178	Horizontal
5	9317.25	37.08	-40.15	36.90	-61.43	-13.00	48.43	139	0	Horizontal
6	11939.25	32.61	-37.31	38.79	-61.16	-13.00	48.16	191	89	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	4592.25	41.98	-45.67	30.50	-68.45	-13.00	55.45	241	133	Vertical
2	5723.25	40.95	-44.83	32.64	-66.49	-13.00	53.49	155	360	Vertical
3	7416	40.19	-43.37	36.36	-62.07	-13.00	49.07	169	25	Vertical
4	8396.25	39.00	-41.47	36.60	-61.13	-13.00	48.13	198	133	Vertical
5	10356.75	34.97	-39.04	38.38	-60.96	-13.00	47.96	175	268	Vertical
6	12253.5	33.37	-37.45	38.88	-60.46	-13.00	47.46	142	343	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	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	-1.100000	-0.000630	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	-2.300000	-0.001318	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.500000	-0.000287	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VH	NT	-4.000000	-0.002292	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VN	NT	-4.200000	-0.002407	PASS
N66	15	40	CP-QPSK	M	Outer_Full	VL	NT	-6.200000	-0.003553	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	-1.300000	-0.000745	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.300000	-0.000745	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	-2.200000	-0.001261	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	-2.400000	-0.001375	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	-3.400000	-0.001948	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	-0.100000	-0.000057	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	-2.600000	-0.001490	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	3.300000	0.001891	PASS
N66	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.400000	-0.000802	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-30	-4.000000	-0.002292	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-20	-3.600000	-0.002063	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	-10	2.000000	0.001146	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	0	-3.900000	-0.002235	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	10	-1.900000	-0.001089	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	20	-3.900000	-0.002235	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	30	-4.700000	-0.002693	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	40	-4.400000	-0.002521	PASS
N66	15	40	CP-QPSK	M	Outer_Full	NV	50	0.600000	0.000344	PASS

---End of Attachment---



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