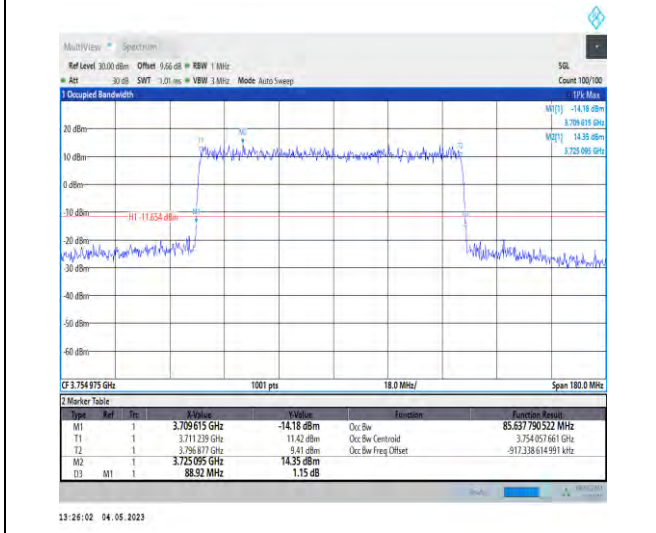




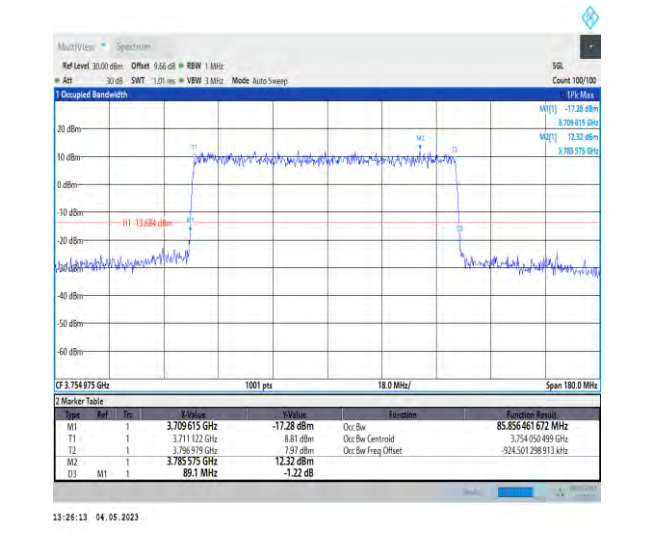
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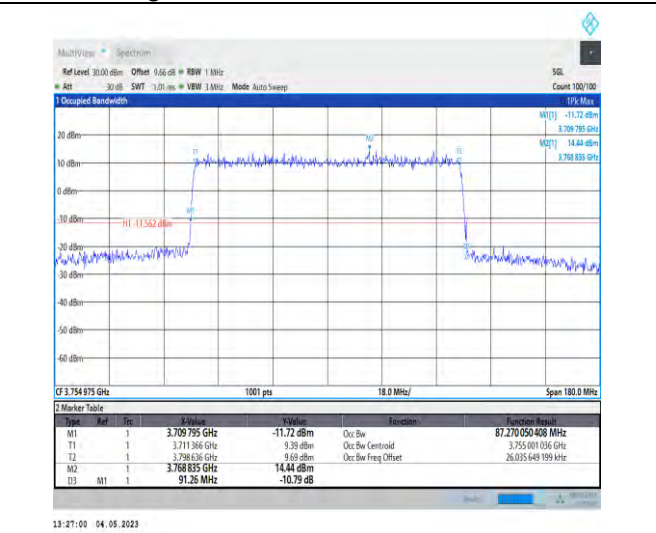
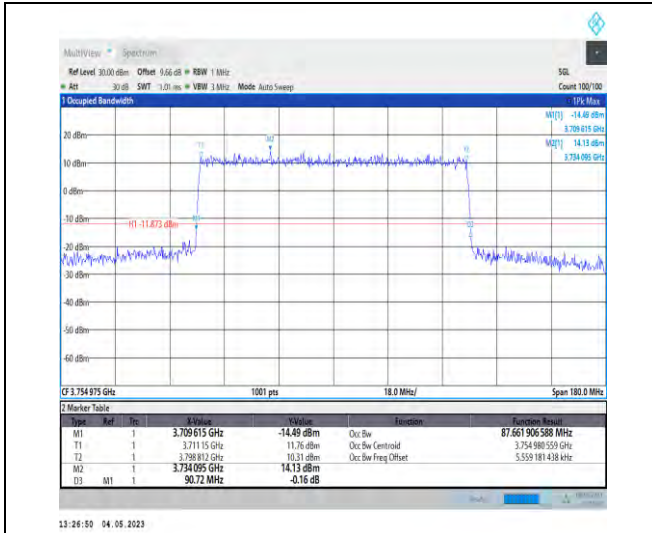


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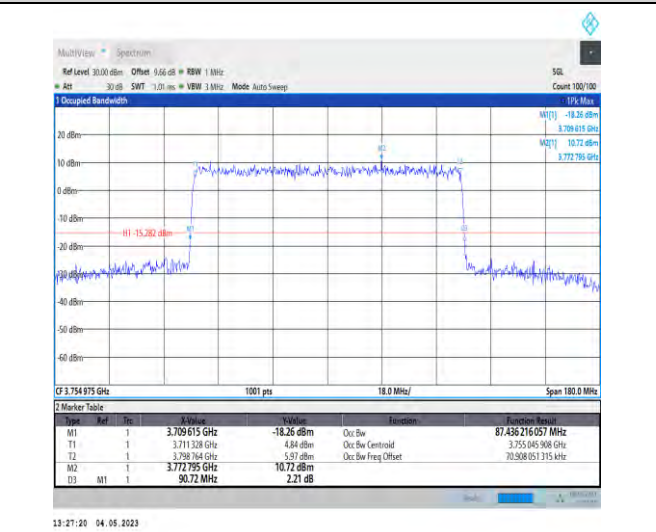
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1-N78-3700-3800-PC2-30-90-H-6-CP-QPSK-Outer\_Full-245@0-Ant1-87.662-90.720-≤90-PASS

1-N78-3700-3800-PC2-30-90-H-7-CP-16QAM-Outer\_Full-245@0-Ant1-87.27-91.260-≤90-PASS



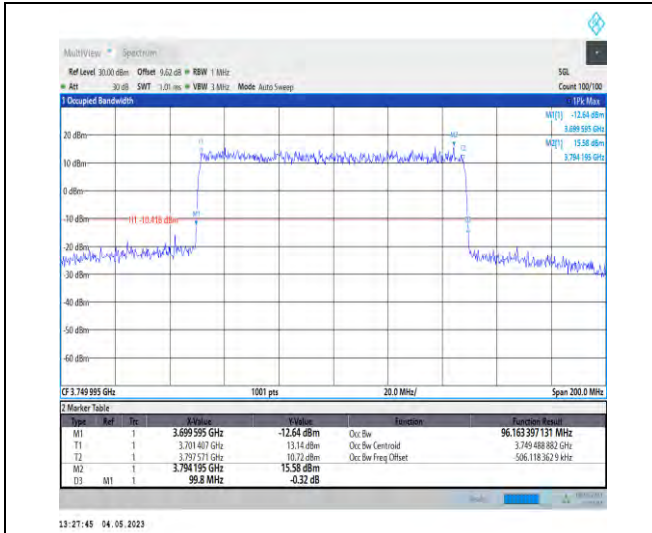
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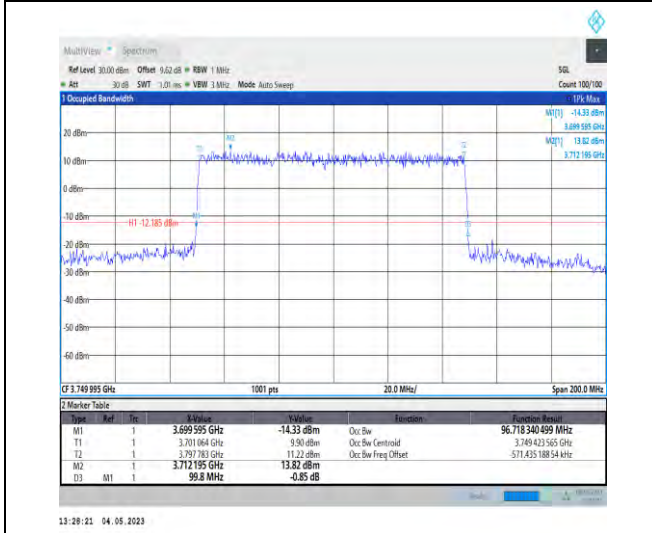
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1-N78-3700-3800-PC2-30-100-L-1-DFT-QPSK-Outer\_Full-270@0-Ant1-96.163-99.800-≤100-PASS



1-N78-3700-3800-PC2-30-100-L-2-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-96.449-100.200-≤100-PASS



1-N78-3700-3800-PC2-30-100-L-3-DFT-16QAM-Outer\_Full-270@0-Ant1-96.718-99.800-≤100-PASS



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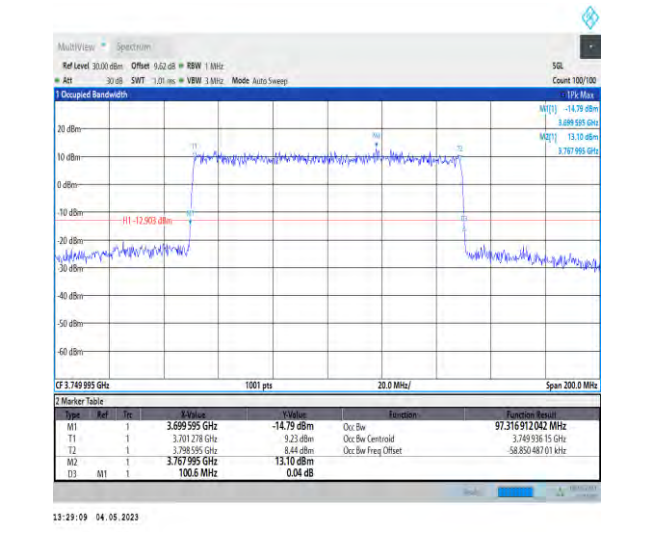
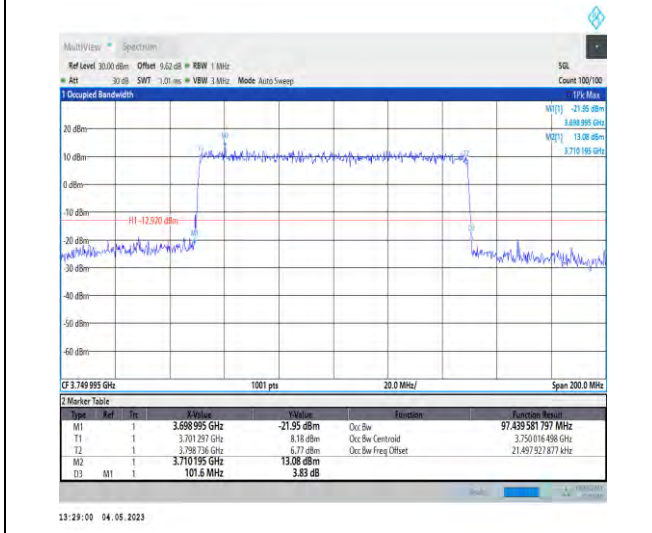
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1-N78-3700-3800-PC2-30-100-L-5-DFT-256QAM-Outer\_Full-270@0-Ant1-96.36-99.800-≤100-PASS

1-N78-3700-3800-PC2-30-100-L-6-CP-QPSK-Outer\_Full-273@0-Ant1-97.465-100.800-≤100-PASS



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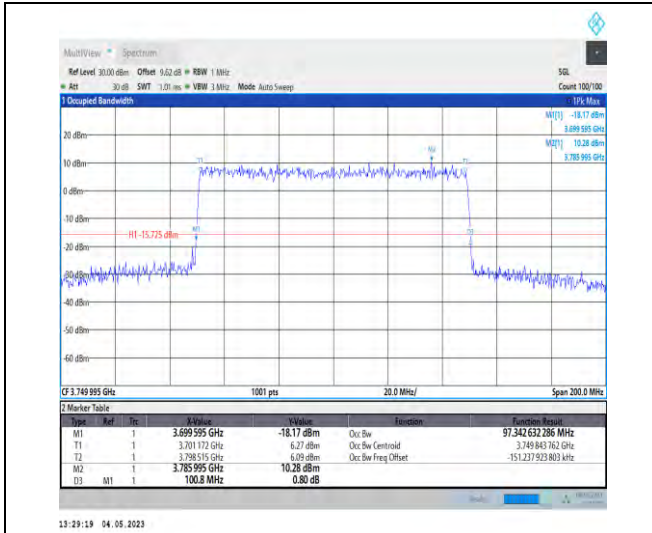
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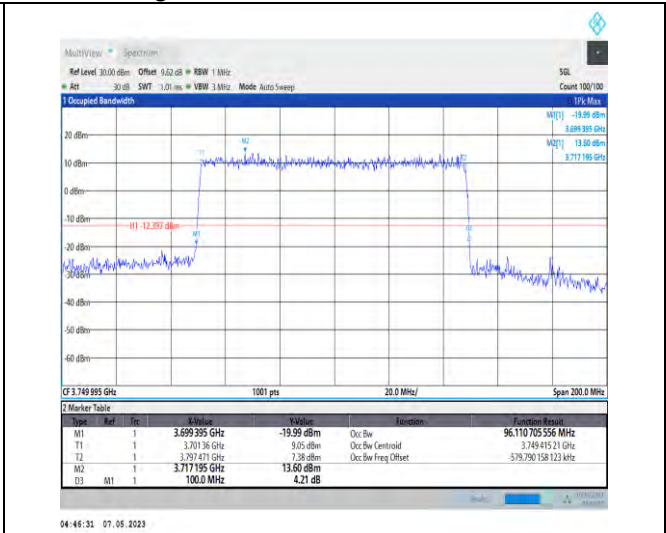
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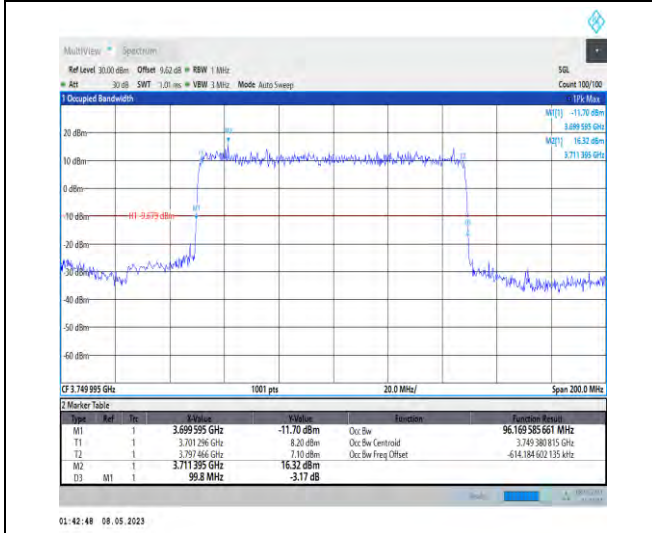
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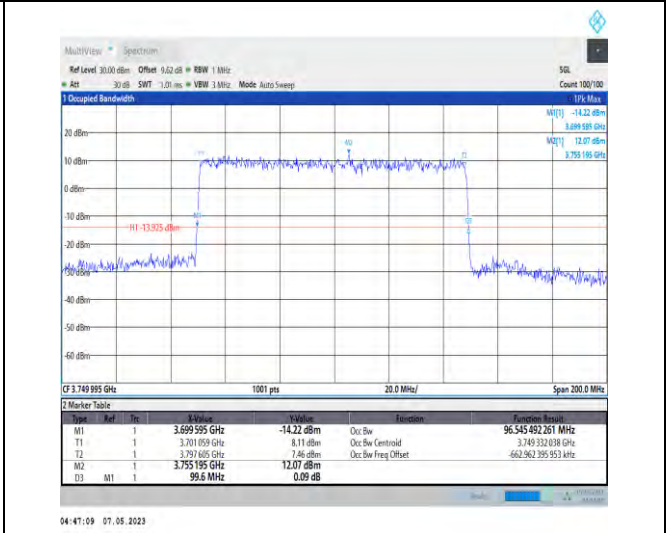
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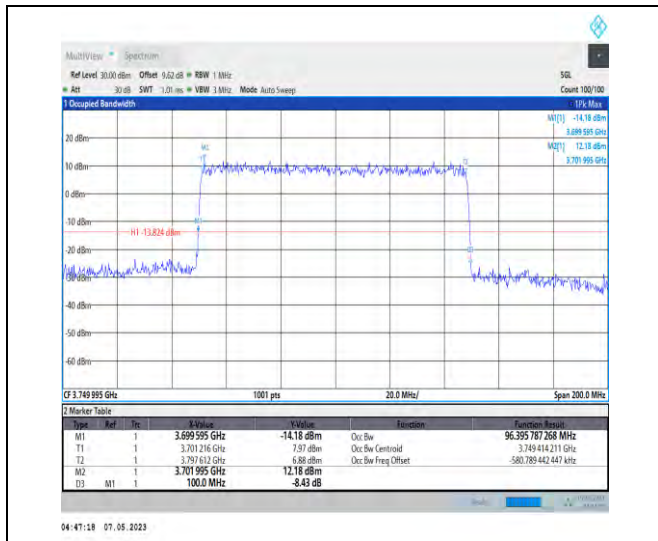


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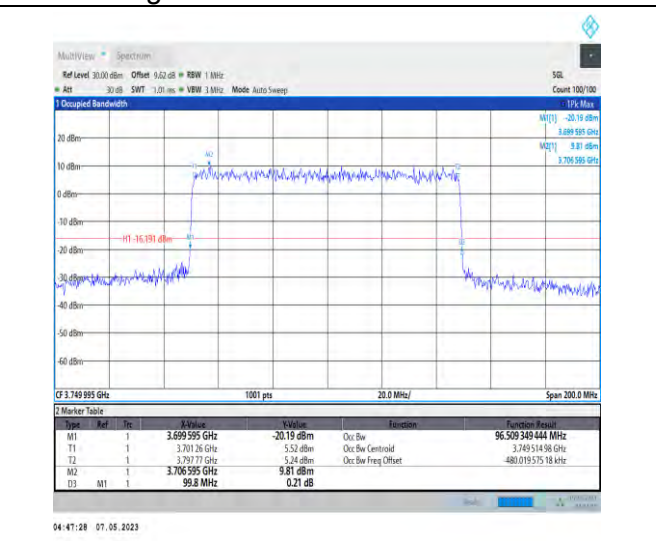


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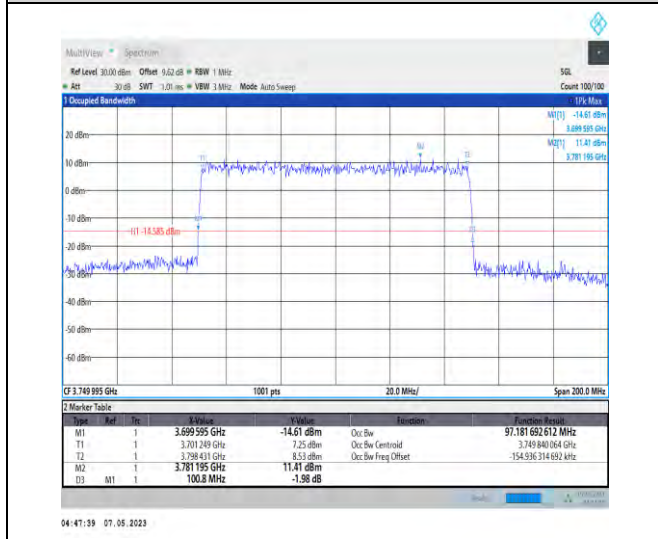
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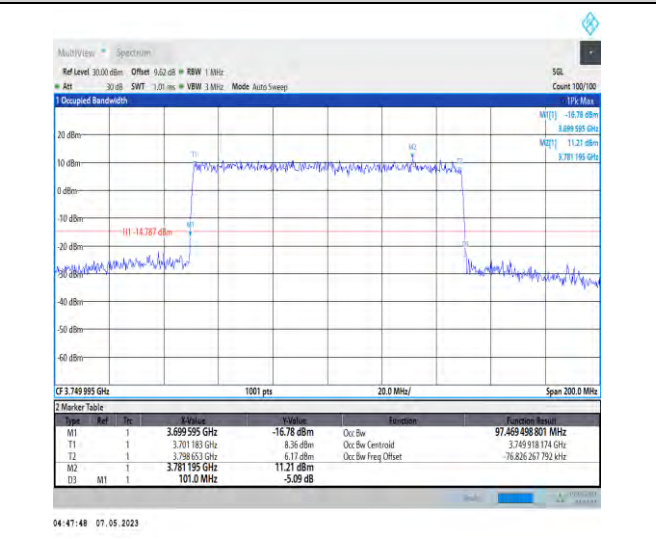
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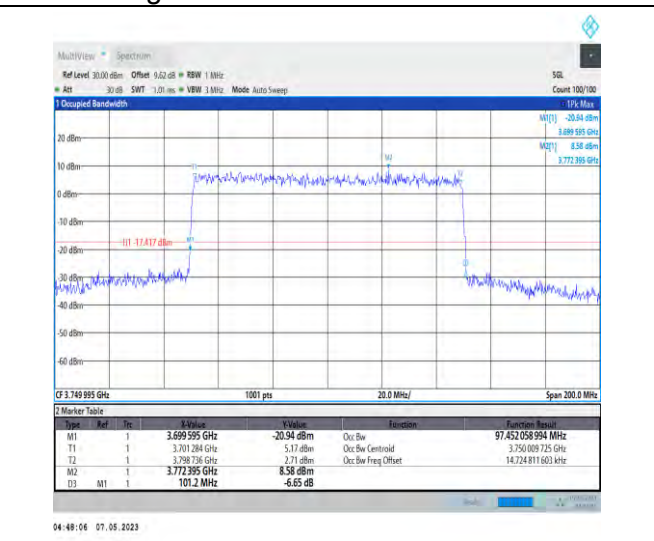


1-N78-3700-3800-PC2-30-100-M-7-CP-16QAM-Outer\_Full-273@0-Ant1-97.469-101.000-≤100-PASS



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1-N78-3700-3800-PC2-30-100-M-9-CP-256QAM-Out er\_Full-273@0-Ant1-97.452-101.200-≤100-PASS



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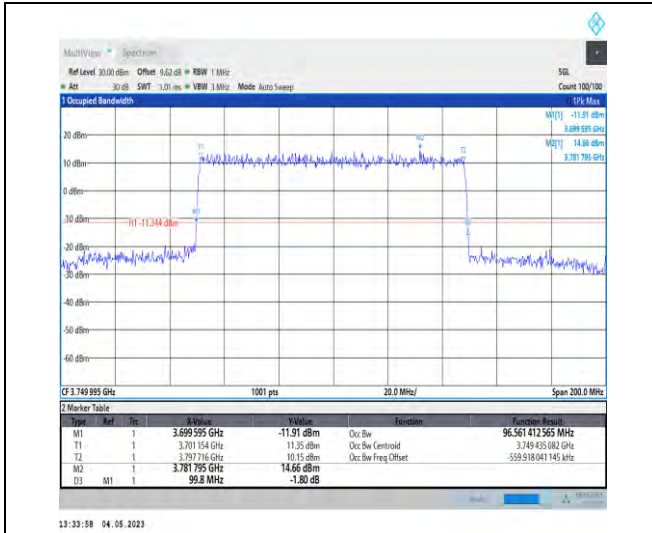
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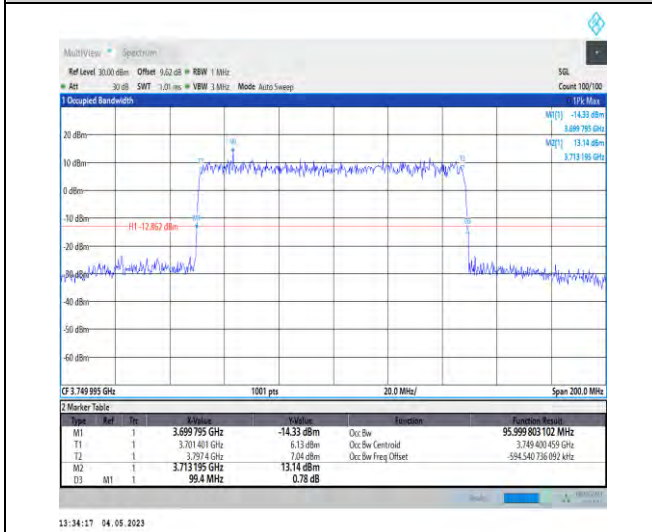
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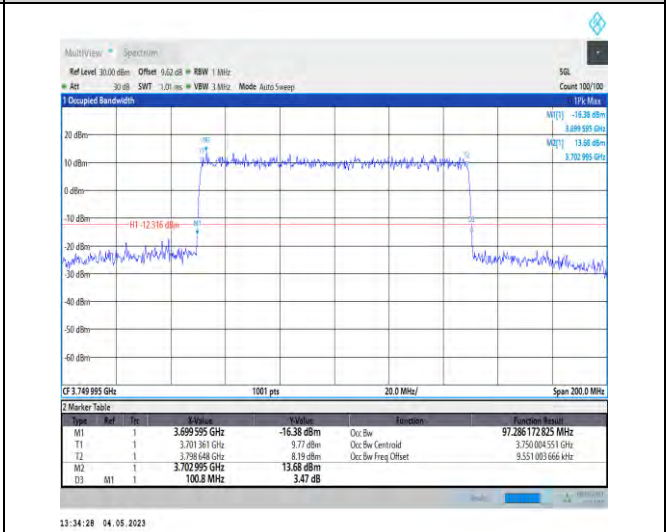
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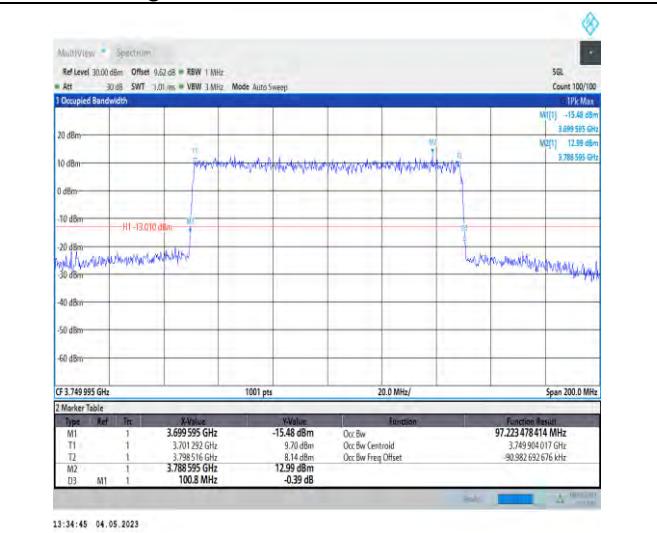
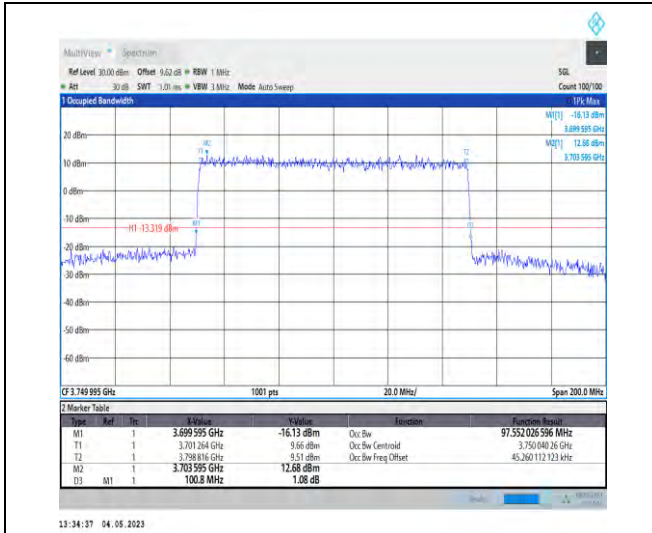
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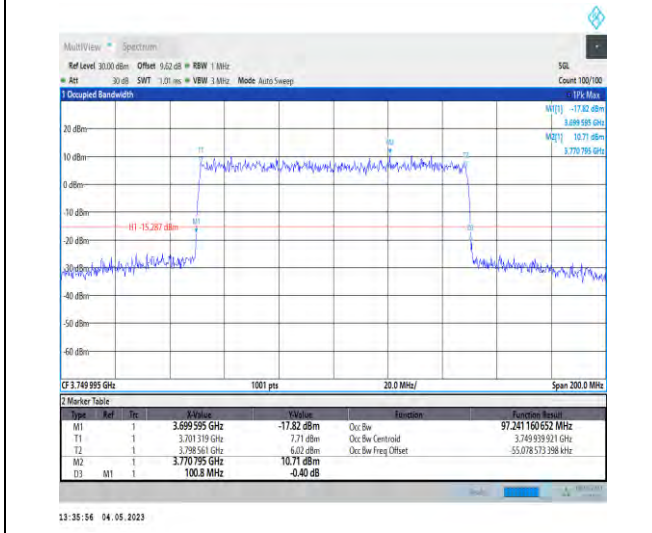
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1-N78-3700-3800-PC2-30-100-H-8-CP-64QAM-Outer\_Full-273@0-Ant1-97.223-100.800-≤100-PASS



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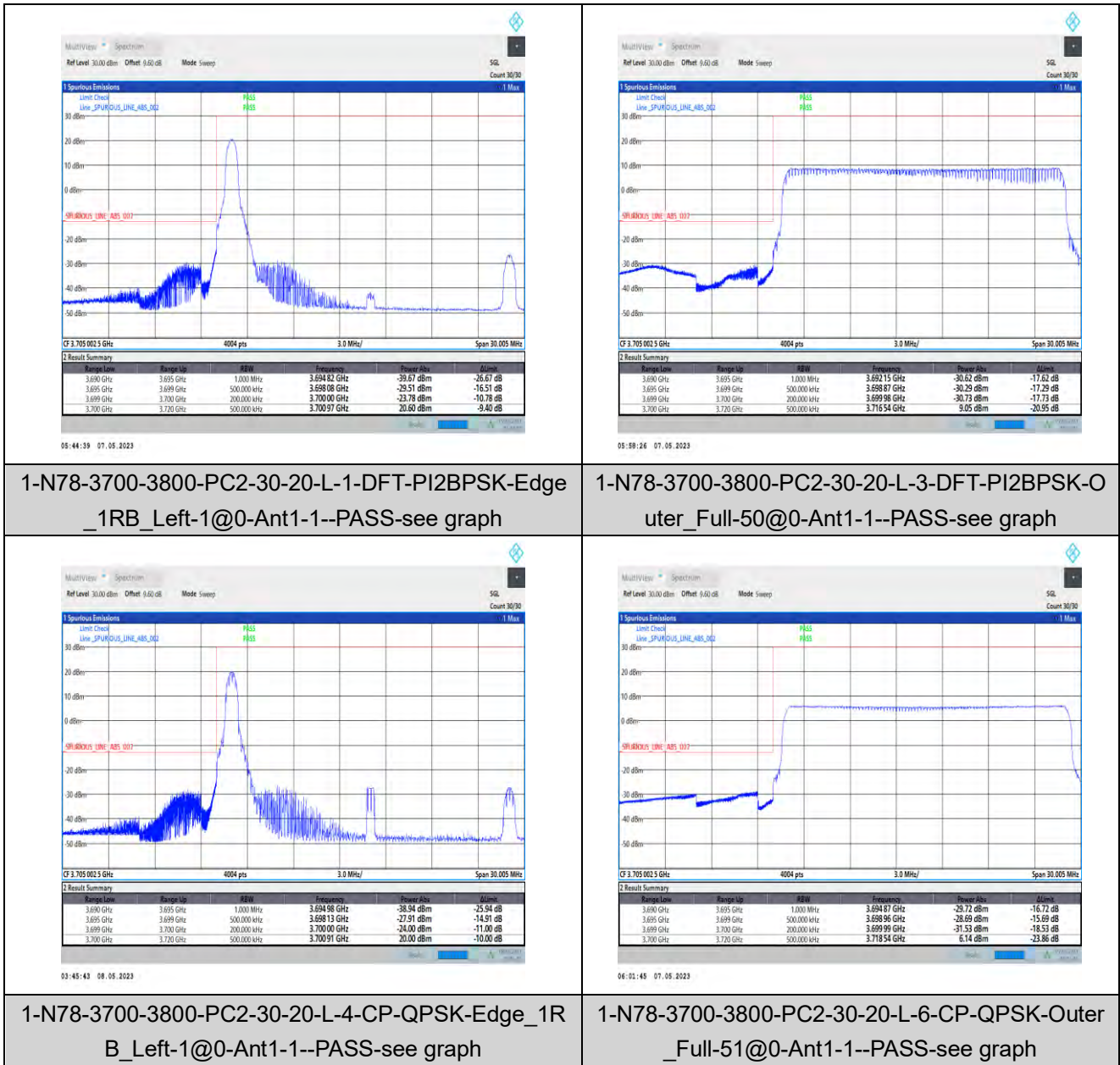
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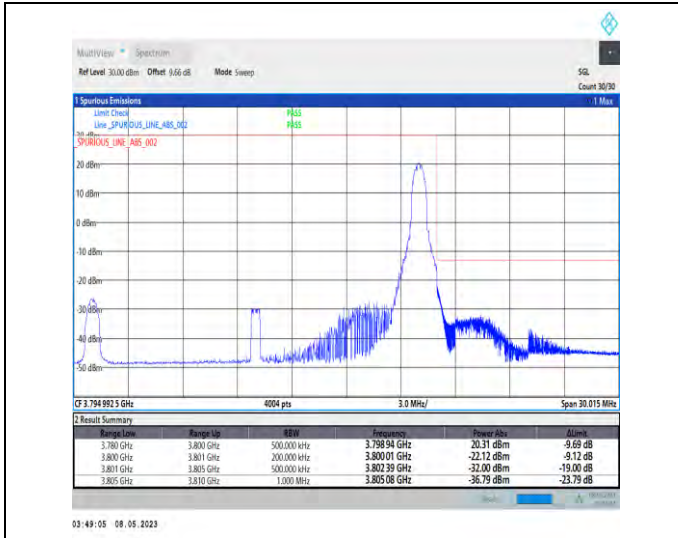
## Band Edge for SA

### Test Graphs



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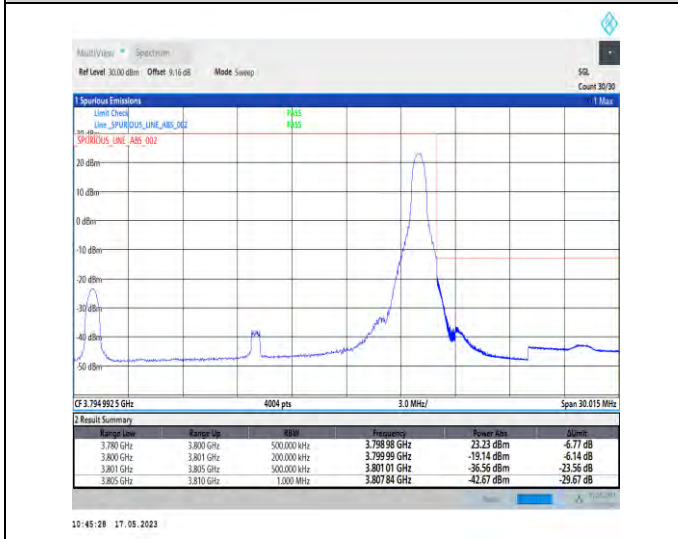
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1-N78-3700-3800-PC2-30-20-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@50-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-20-H-3-DFT-PI2BPSK-Outer\_Full-50@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-20-H-5-CP-QPSK-Edge\_1RB\_Right-1@50-Ant1-1--PASS-see graph

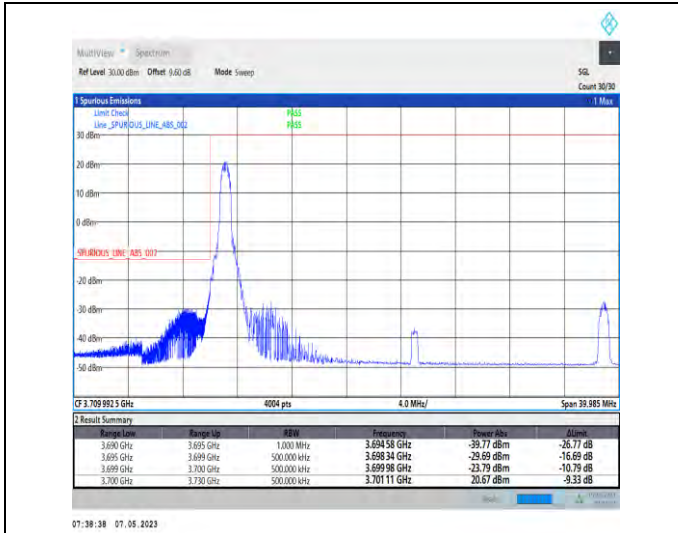


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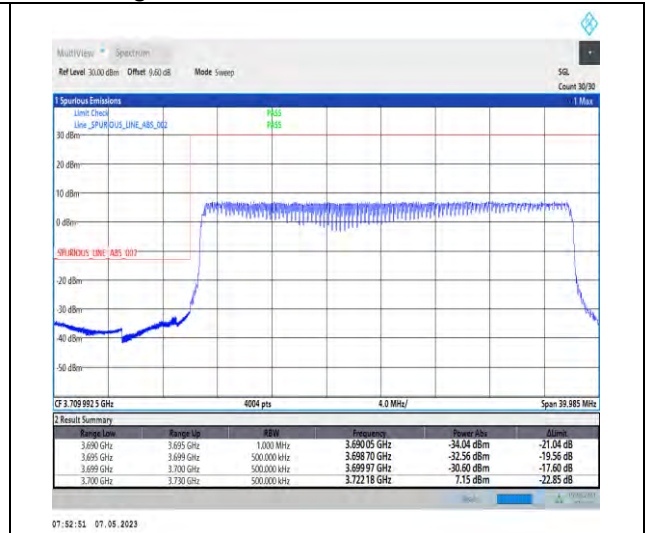


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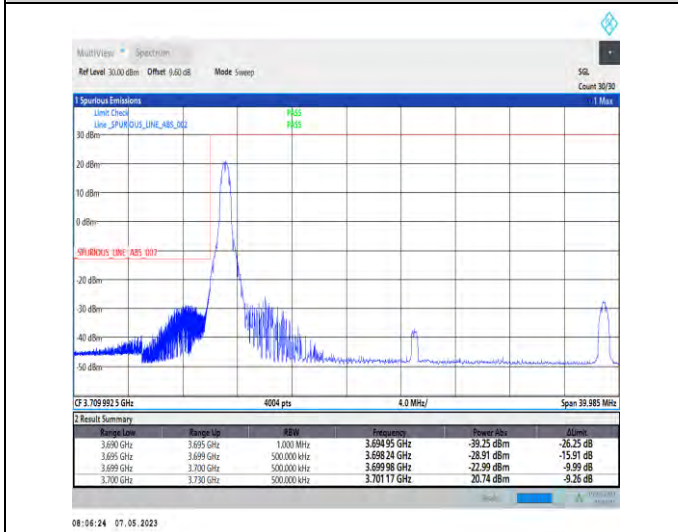
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1-N78-3700-3800-PC2-30-30-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-30-L-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-30-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

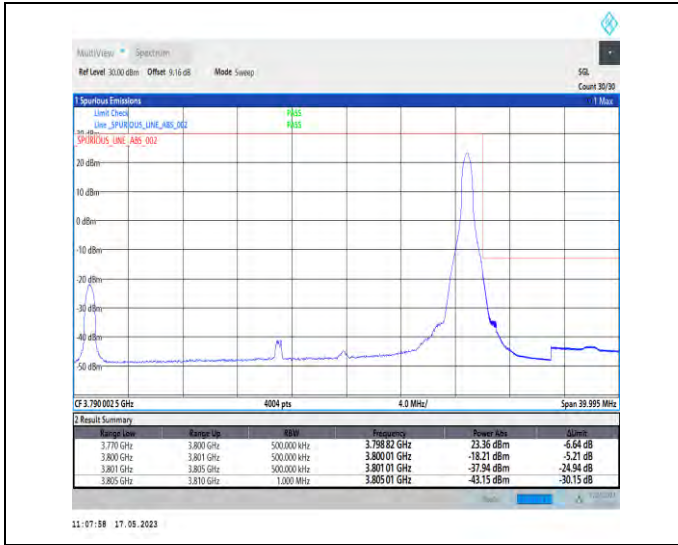


1-N78-3700-3800-PC2-30-30-L-6-CP-QPSK-Outer\_Full-78@0-Ant1-1--PASS-see graph



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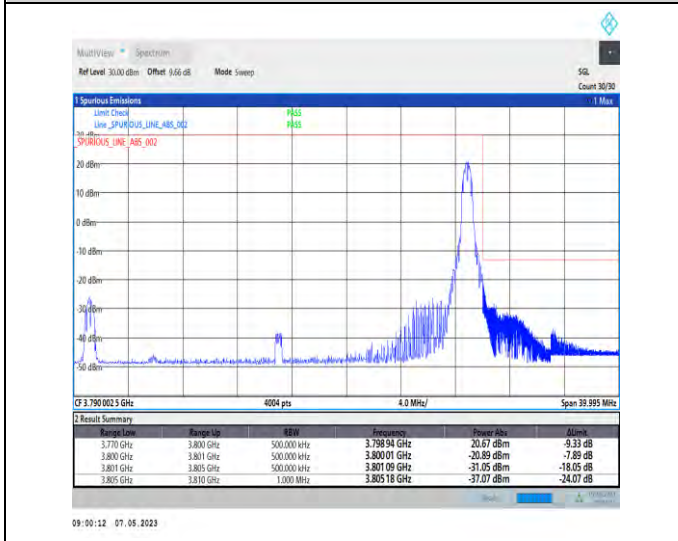
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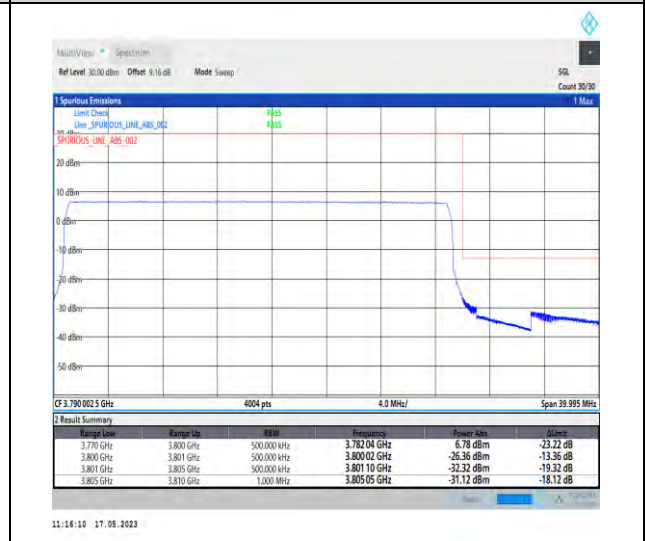
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1-N78-3700-3800-PC2-30-30-H-3-DFT-PI2BPSK-Outer\_Full-75@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-30-H-5-CP-QPSK-Edge\_1RB\_Right-1@77-Ant1-1--PASS-see graph

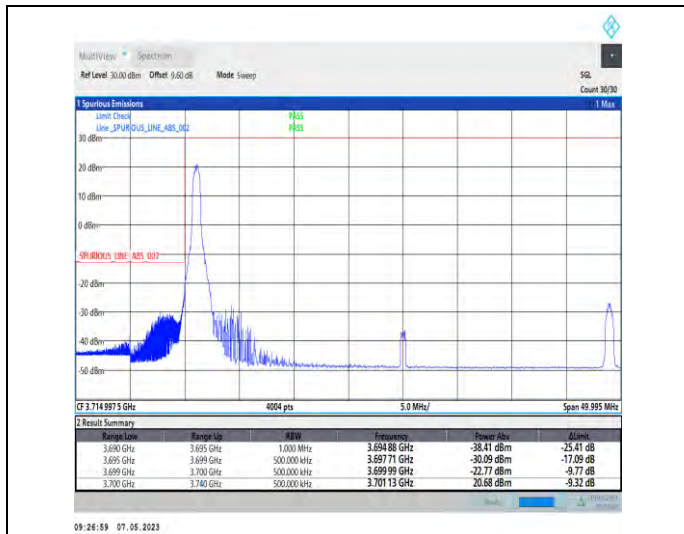


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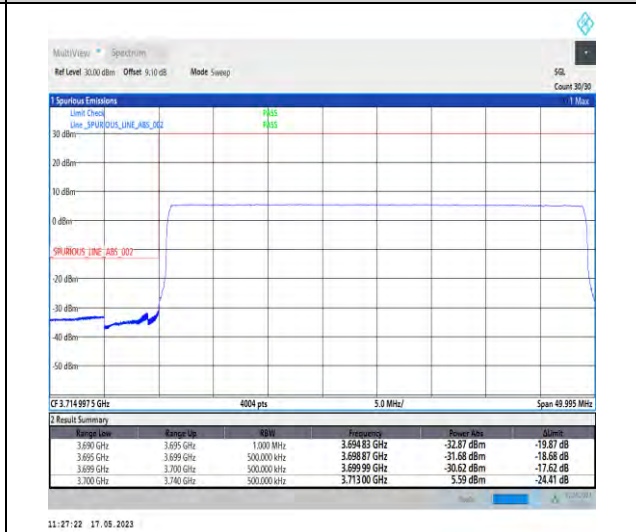
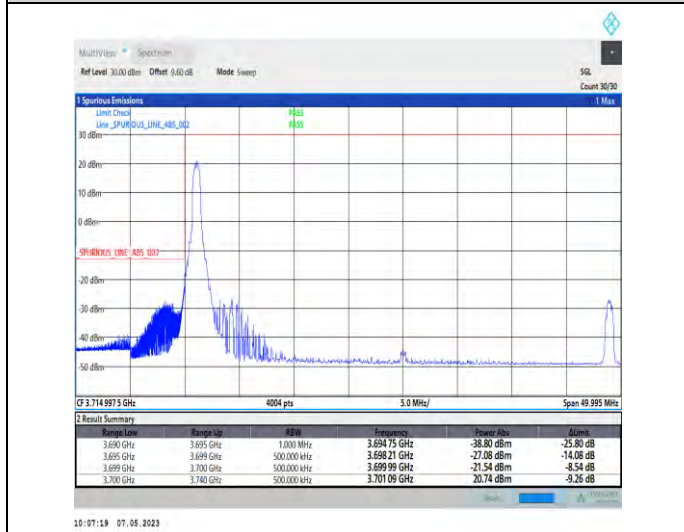
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1-N78-3700-3800-PC2-30-40-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-40-L-3-DFT-PI2BPSK-Outer\_Full-100@0-Ant1-1--PASS-see graph



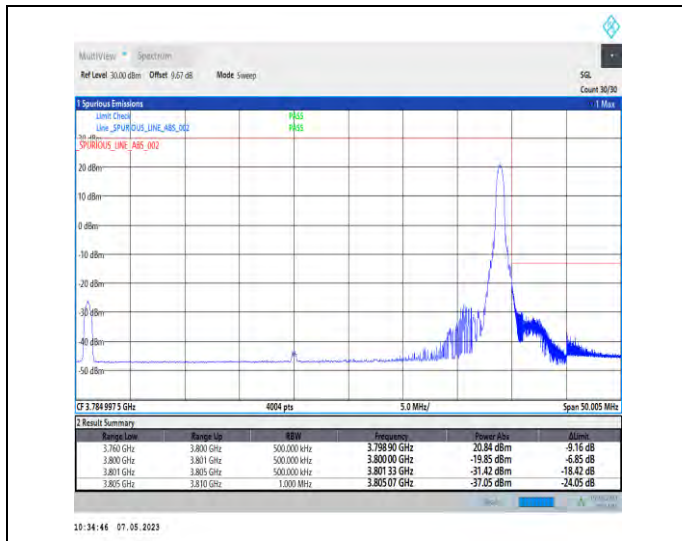
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1-N78-3700-3800-PC2-30-40-L-6-CP-QPSK-Outer\_Full-106@0-Ant1-1--PASS-see graph



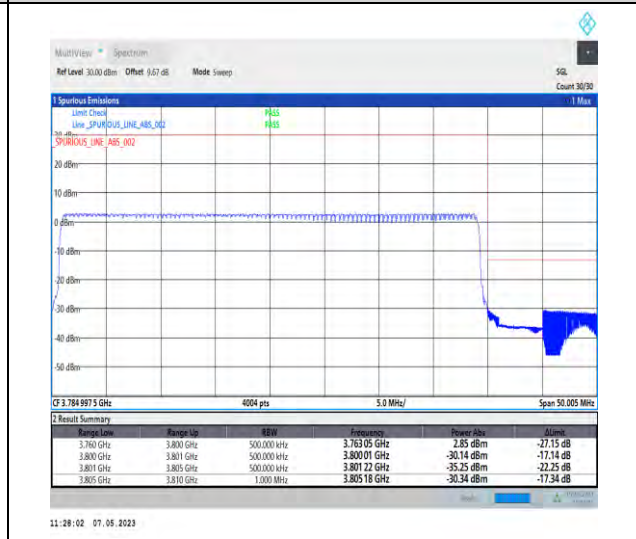
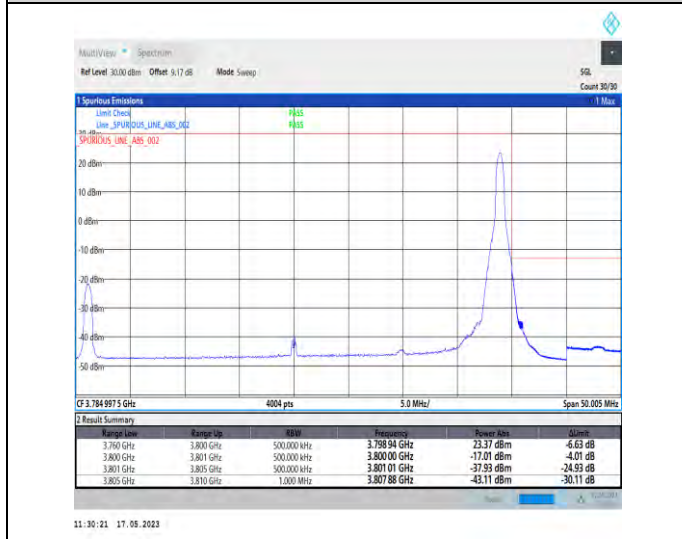
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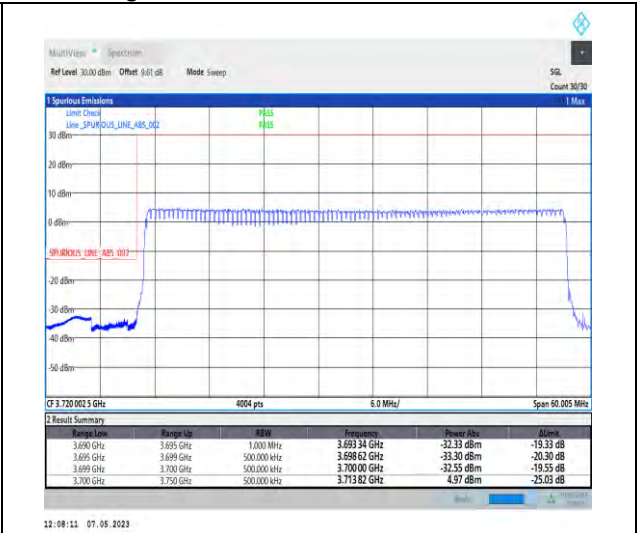
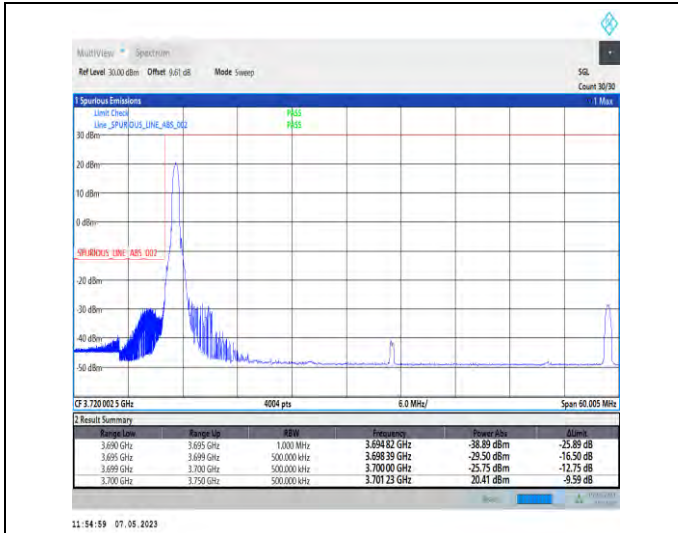
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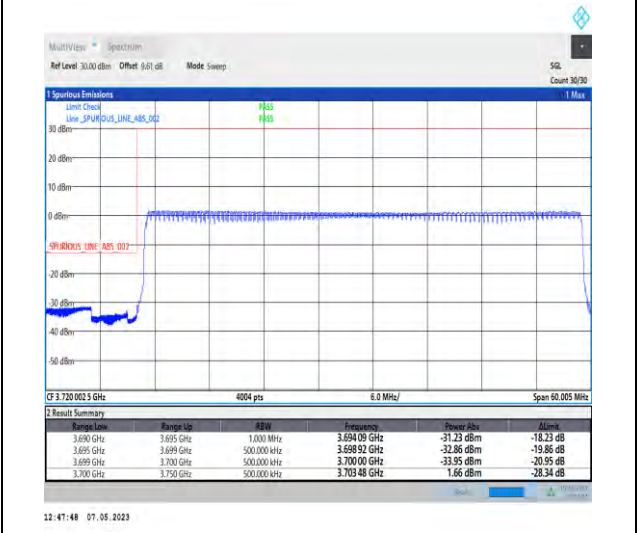
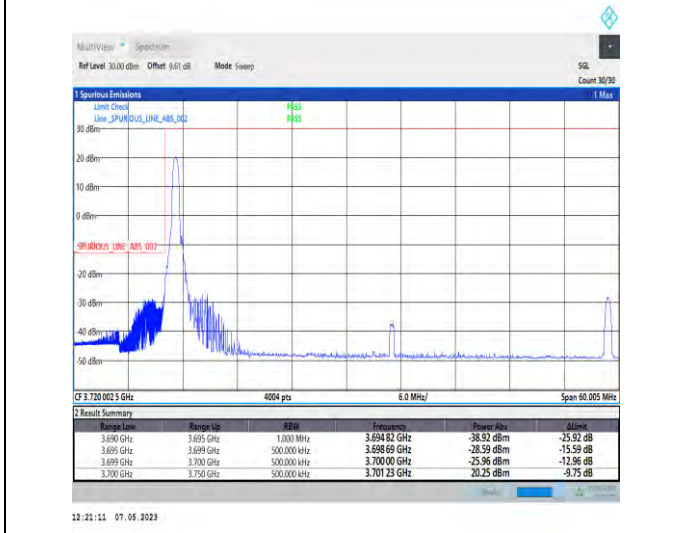
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1-N78-3700-3800-PC2-30-50-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-50-L-3-DFT-PI2BPSK-Outer\_Full-128@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-50-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-50-L-6-CP-QPSK-Outer\_Full-133@0-Ant1-1--PASS-see graph



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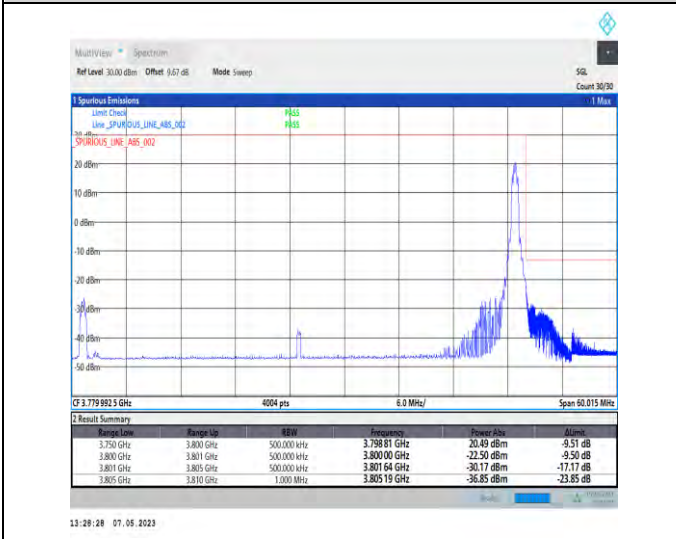




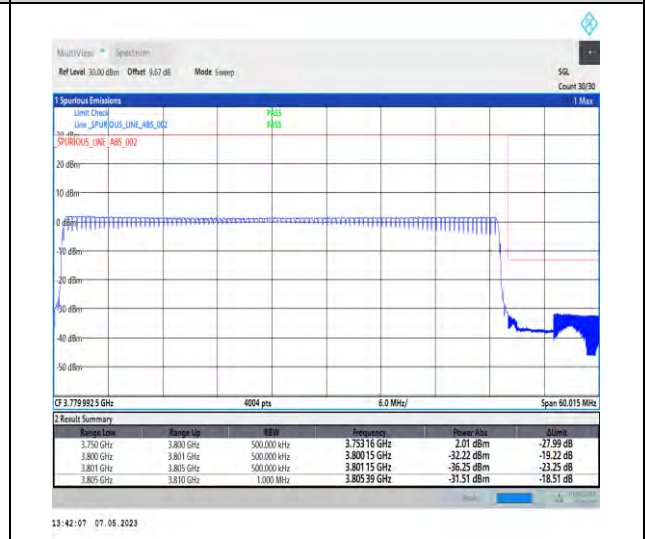
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1-N78-3700-3800-PC2-30-50-H-5-CP-QPSK-Edge\_1RB\_Right-1@132-Ant1-1--PASS-see graph

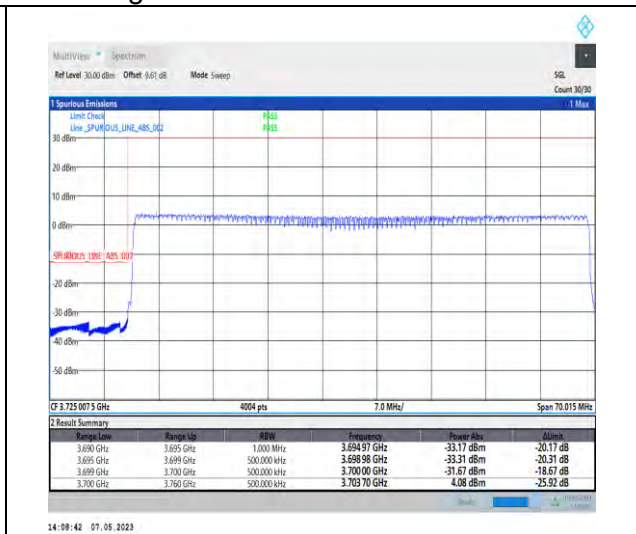
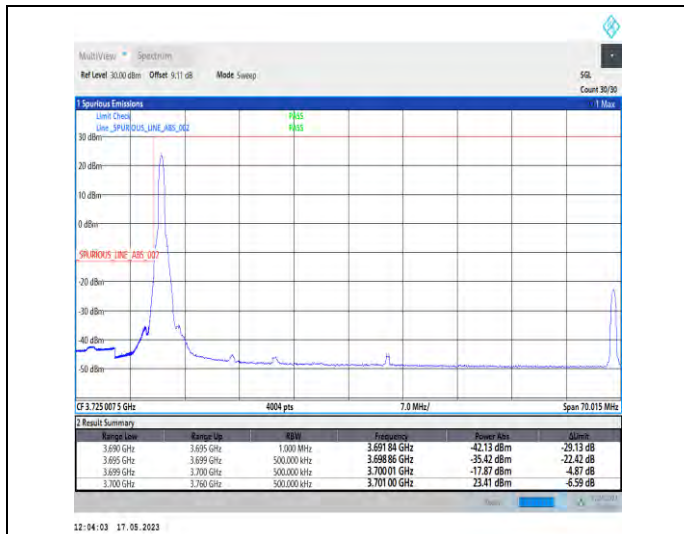


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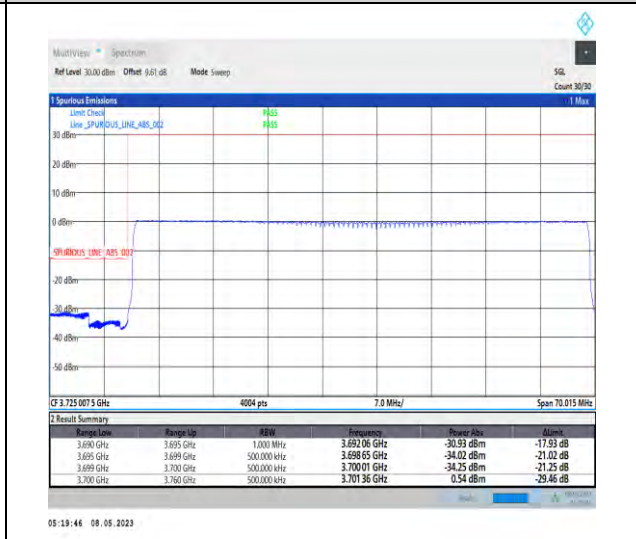
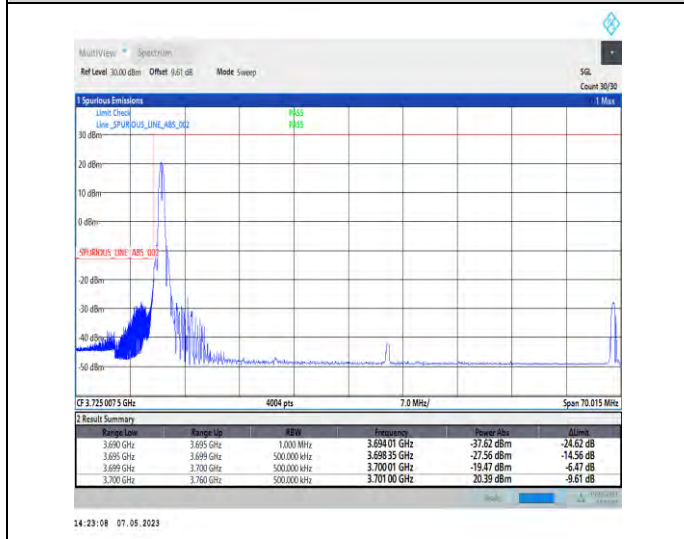
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1-N78-3700-3800-PC2-30-60-L-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



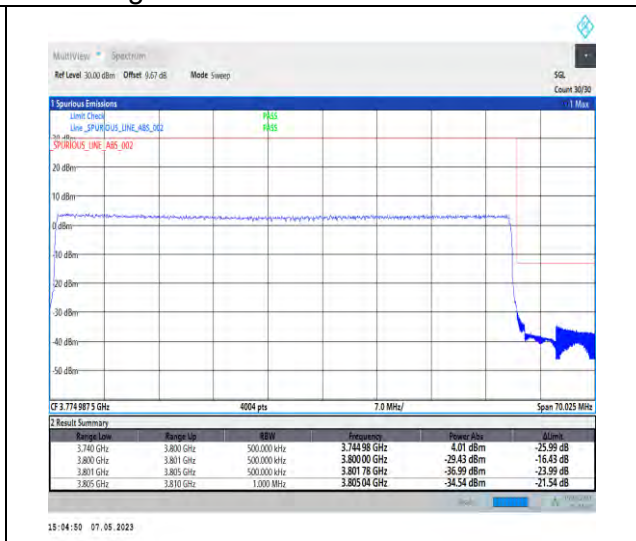
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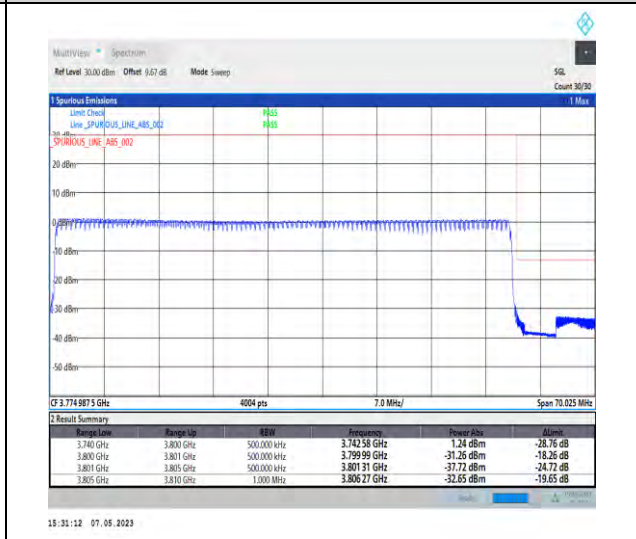
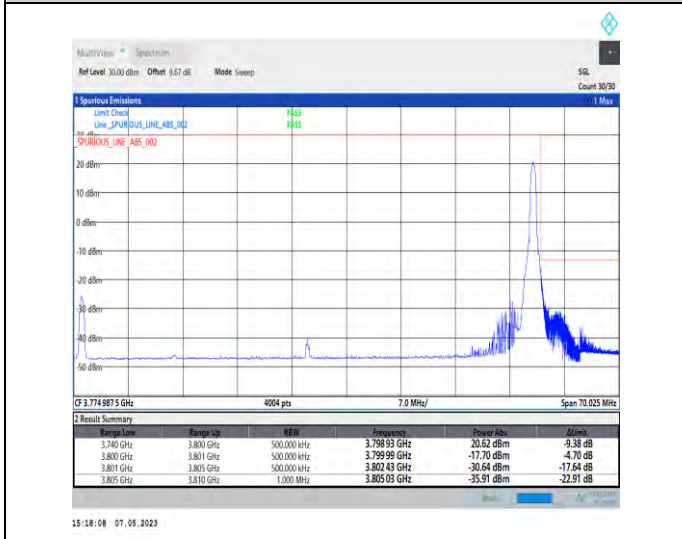
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1-N78-3700-3800-PC2-30-60-H-2-DFT-PI2BPSK-Edge\_1RB\_Right-1@161-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-60-H-3-DFT-PI2BPSK-Outer\_Full-162@0-Ant1-1--PASS-see graph



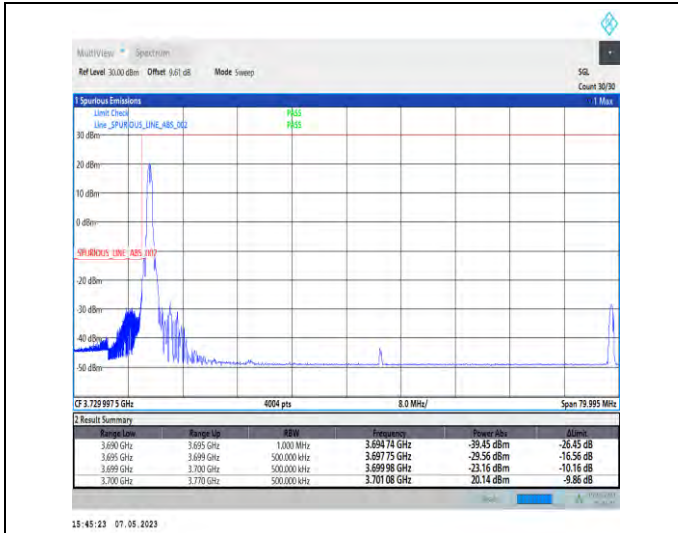
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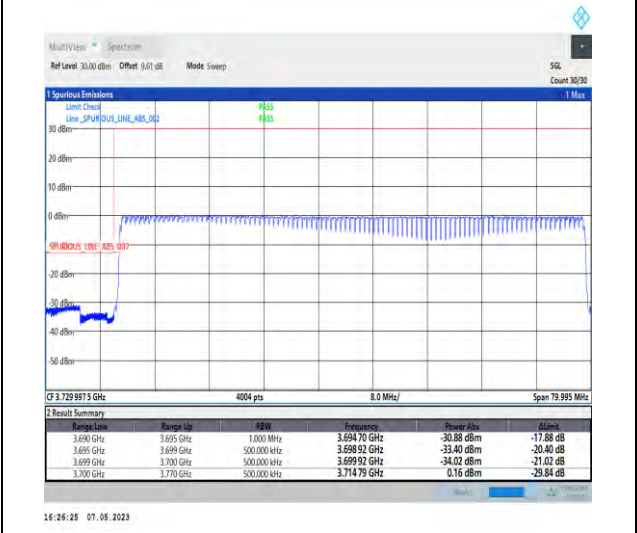
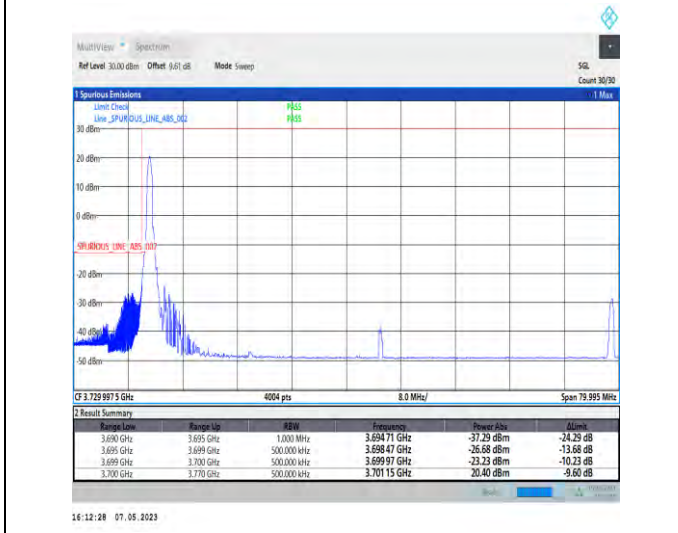
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1-N78-3700-3800-PC2-30-70-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-70-L-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-70-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-70-L-6-CP-QPSK-Outer\_Full-189@0-Ant1-1--PASS-see graph



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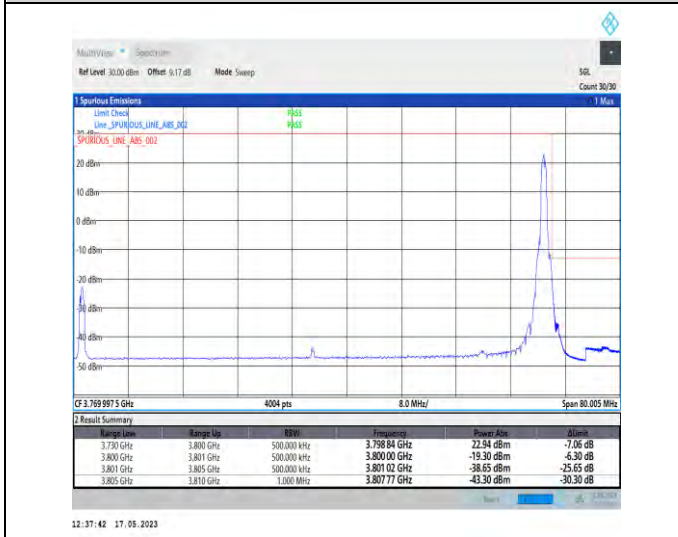
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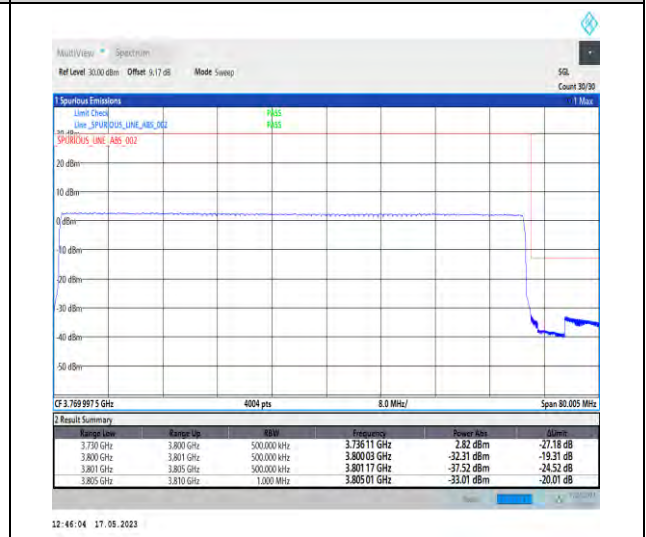
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1-N78-3700-3800-PC2-30-70-H-3-DFT-PI2BPSK-Outer\_Full-180@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-70-H-5-CP-QPSK-Edge\_1RB\_Right-1@188-Ant1-1--PASS-see graph

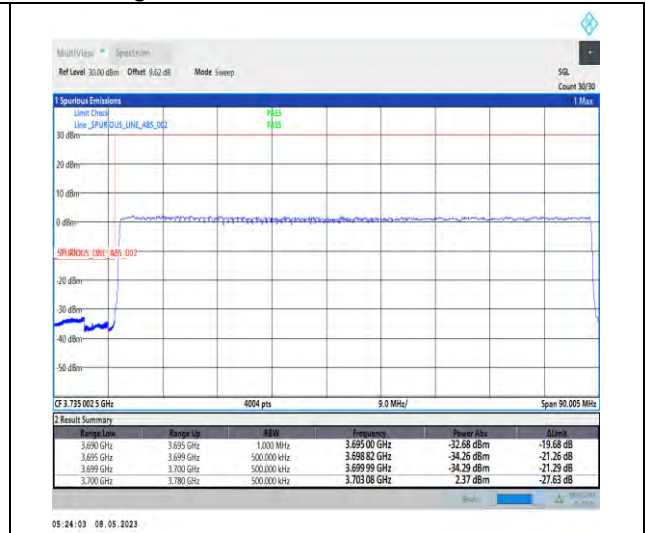
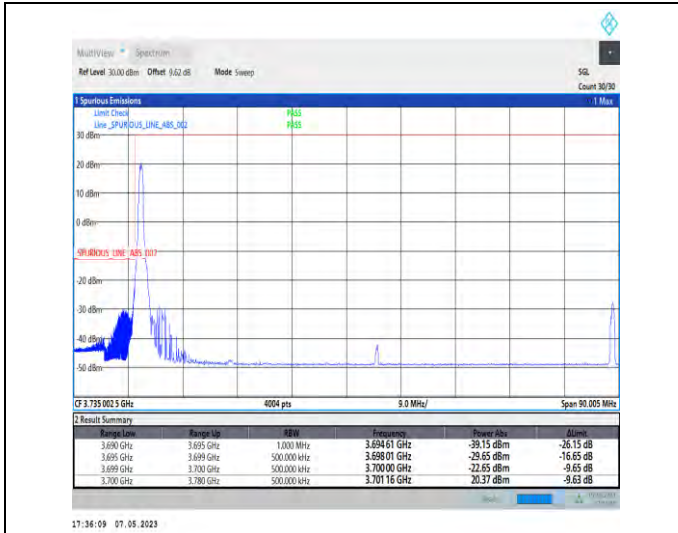


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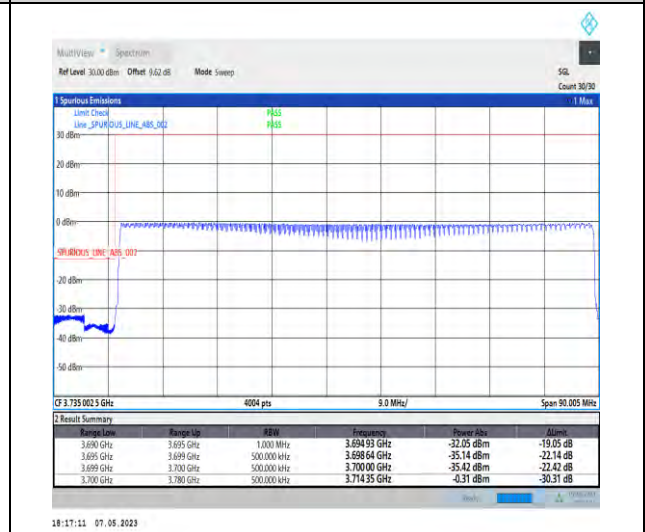
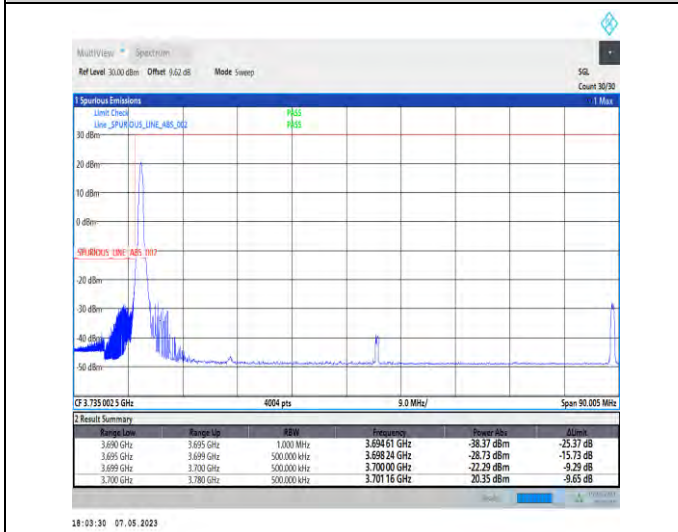
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1-N78-3700-3800-PC2-30-80-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-80-L-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant1-1--PASS-see graph



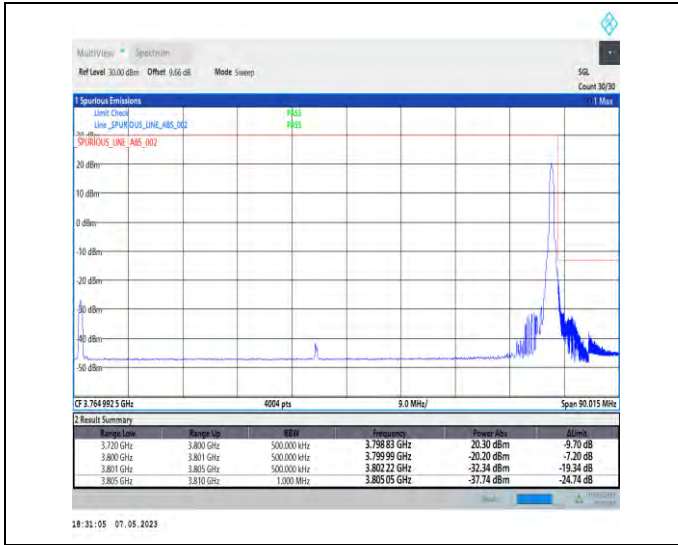
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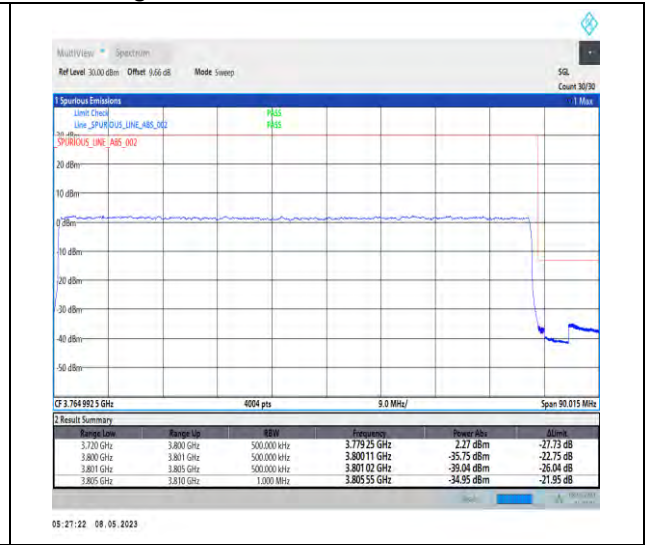


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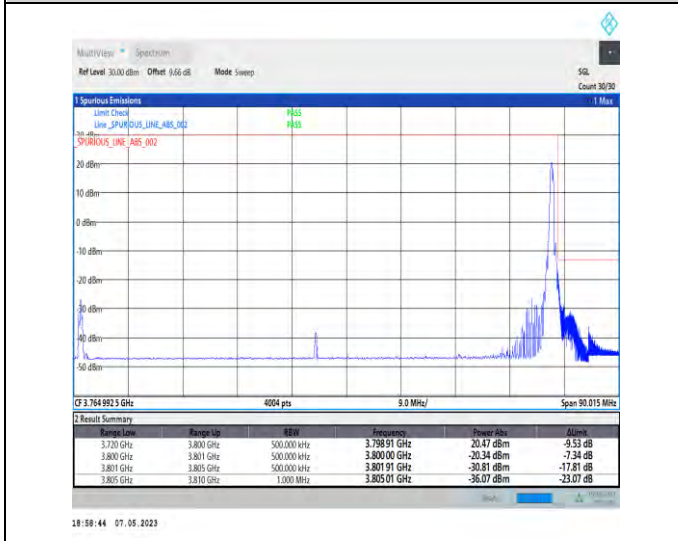
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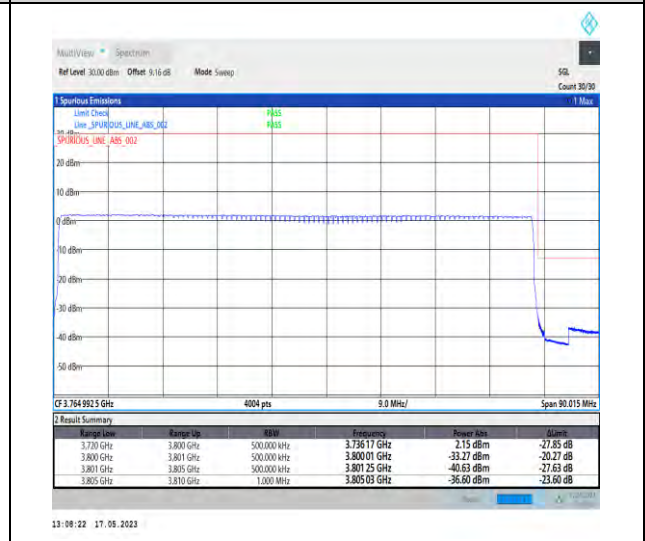
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1-N78-3700-3800-PC2-30-80-H-3-DFT-PI2BPSK-Outer\_Full-216@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-80-H-5-CP-QPSK-Edge\_1RB\_Right-1@216-Ant1-1--PASS-see graph

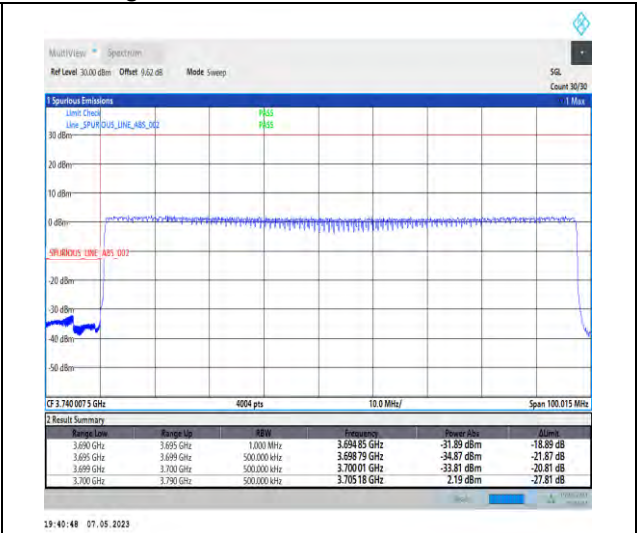
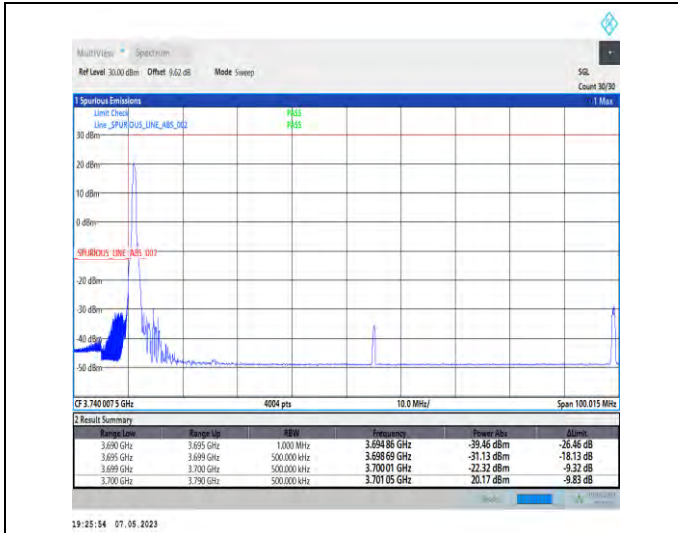


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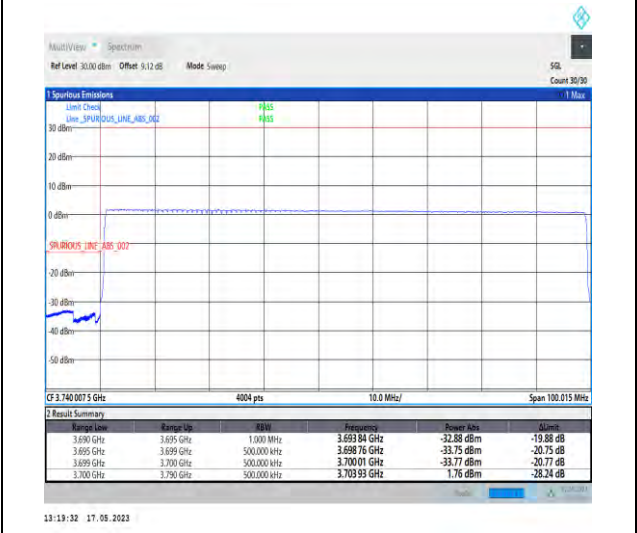
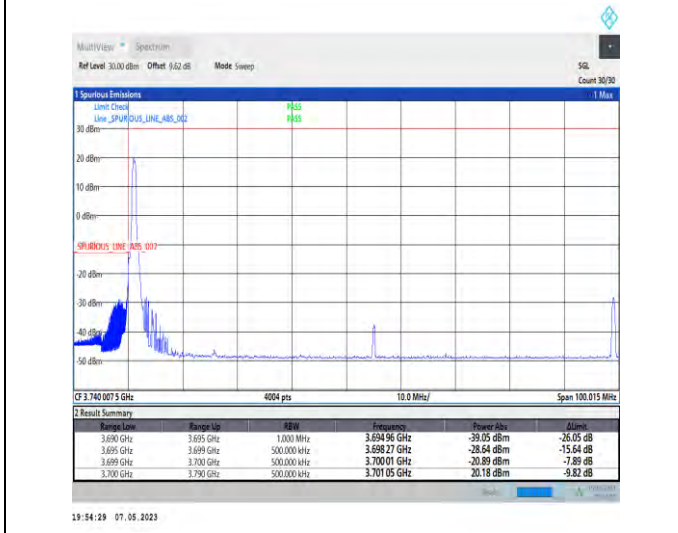
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1-N78-3700-3800-PC2-30-90-L-1-DFT-PI2BPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-90-L-3-DFT-PI2BPSK-Outer\_Full-240@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-90-L-4-CP-QPSK-Edge\_1RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-90-L-6-CP-QPSK-Outer\_Full-245@0-Ant1-1--PASS-see graph

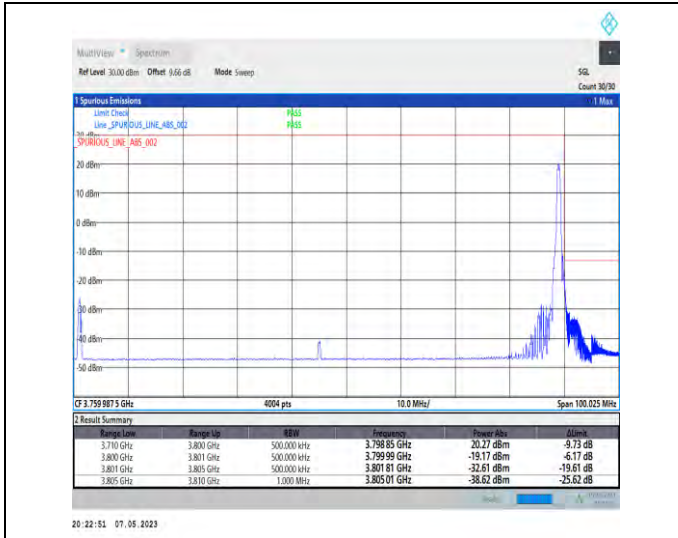


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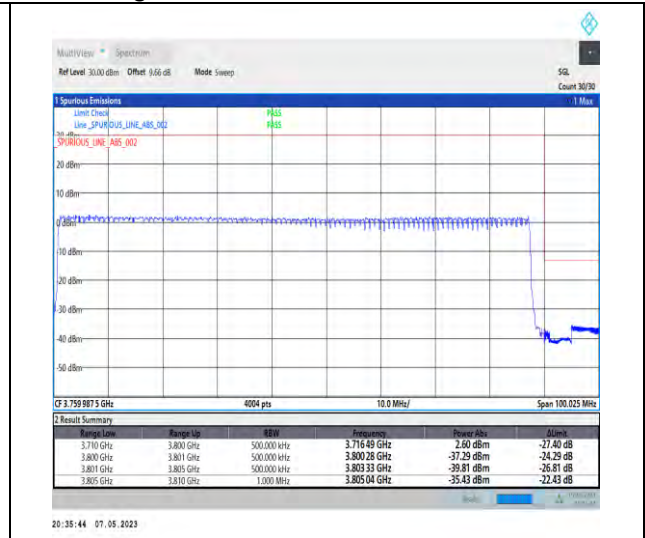
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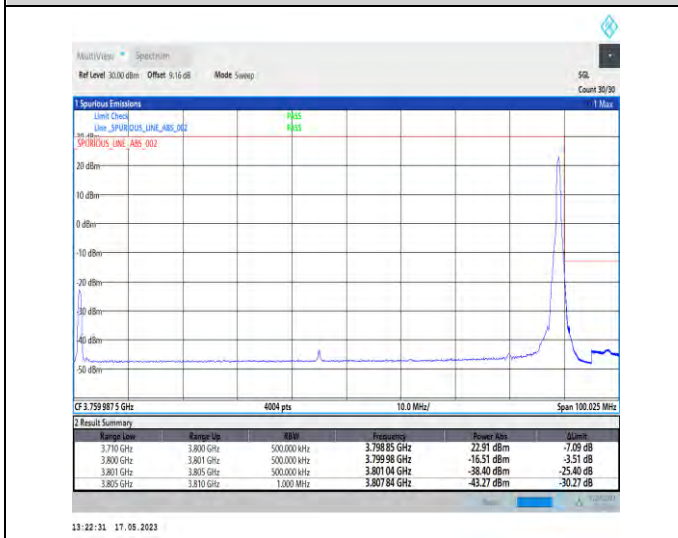




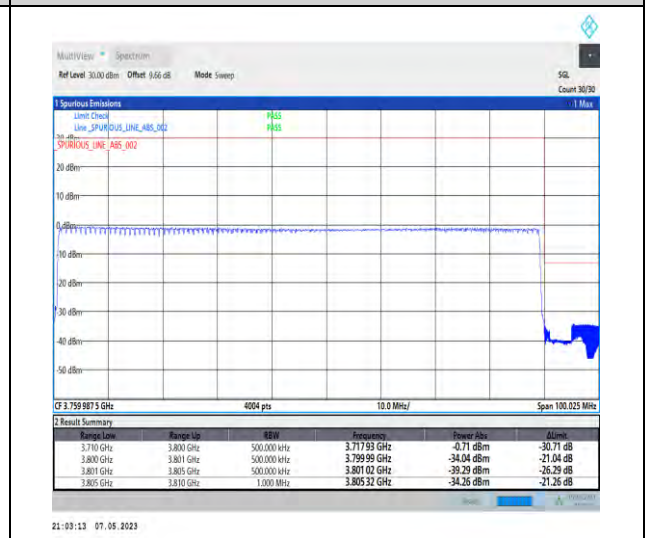
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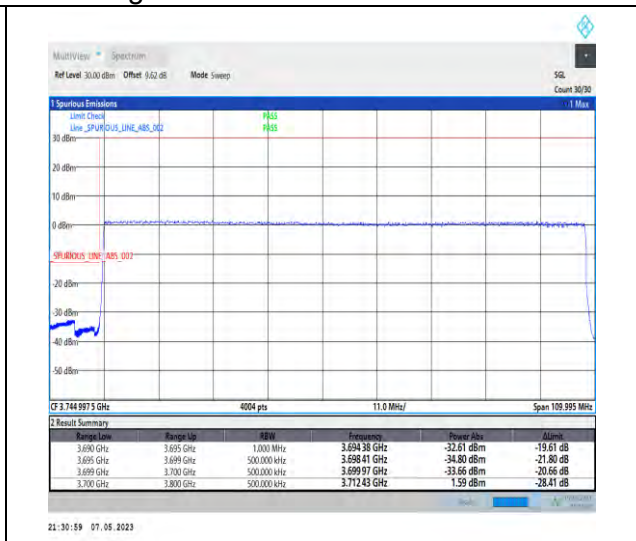


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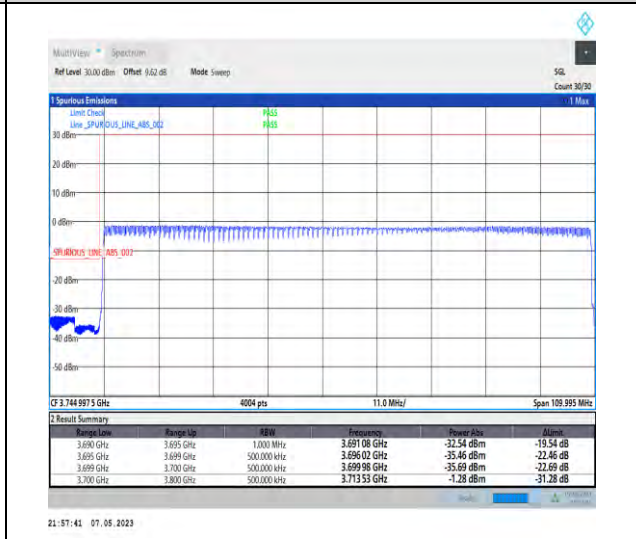
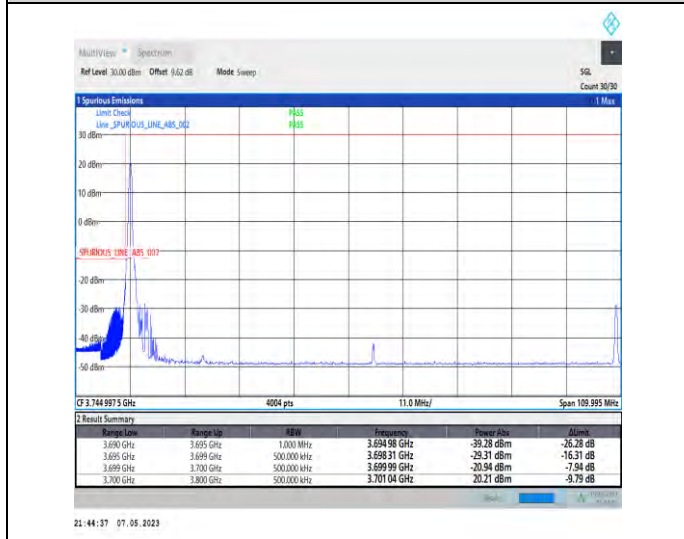
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1-N78-3700-3800-PC2-30-100-L-1-DFT-PI2BPSK-Edge\_1\_RB\_Left-1@0-Ant1-1--PASS-see graph

1-N78-3700-3800-PC2-30-100-L-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-1--PASS-see graph



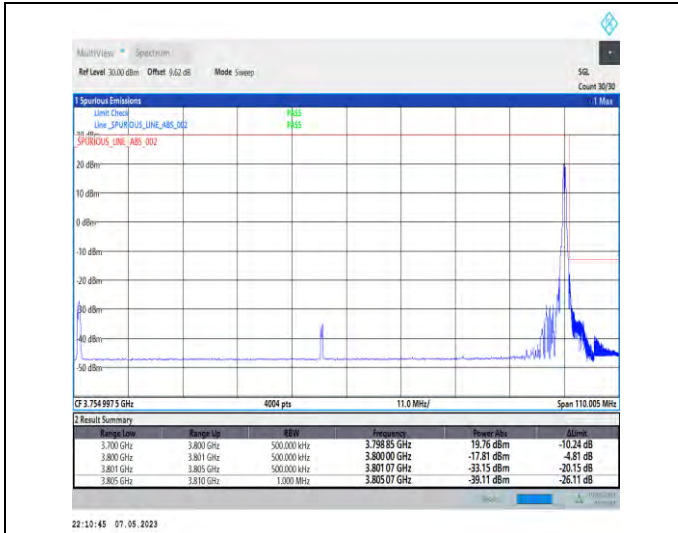
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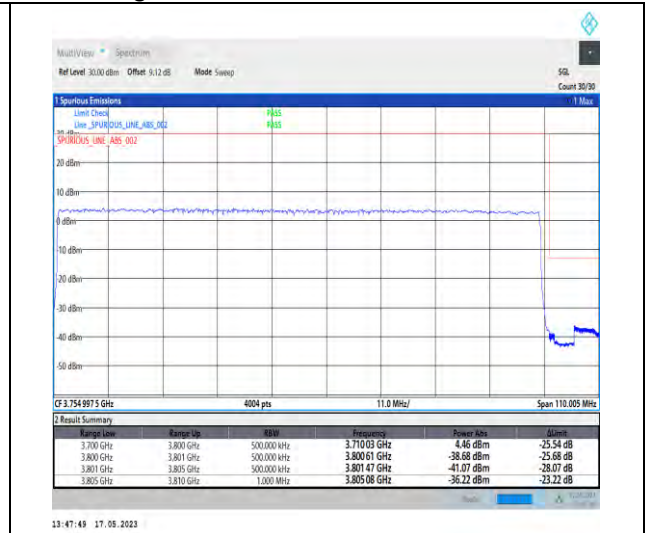


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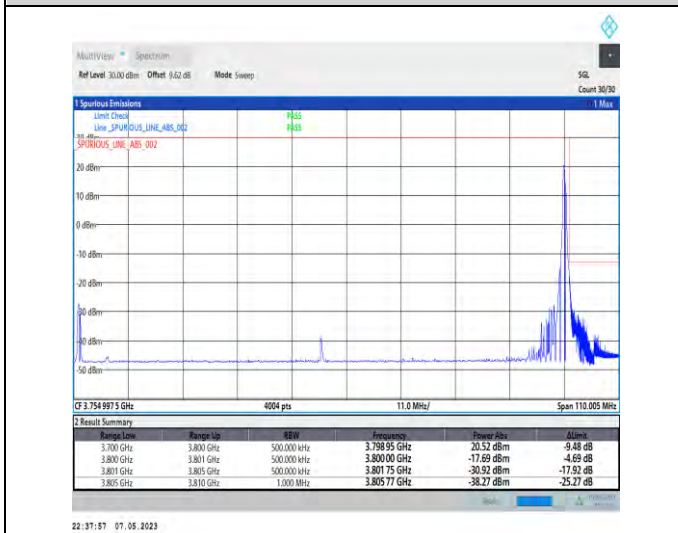
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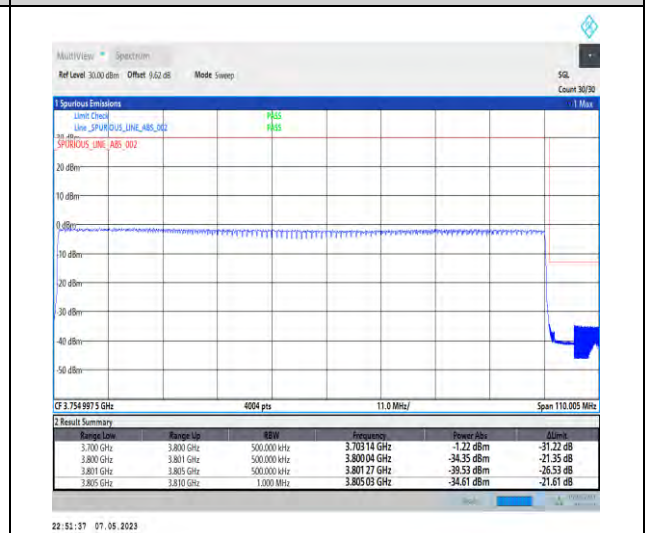
1-N78-3700-3800-PC2-30-100-H-2-DFT-PI2BPSK-Edge\_1\_RB\_Right-1@272-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-100-H-3-DFT-PI2BPSK-Outer\_Full-270@0-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-100-H-5-CP-QPSK-Edge\_1\_RB\_Right-1@272-Ant1-1--PASS-see graph



1-N78-3700-3800-PC2-30-100-H-6-CP-QPSK-Outer\_Full-273@0-Ant1-1--PASS-see graph

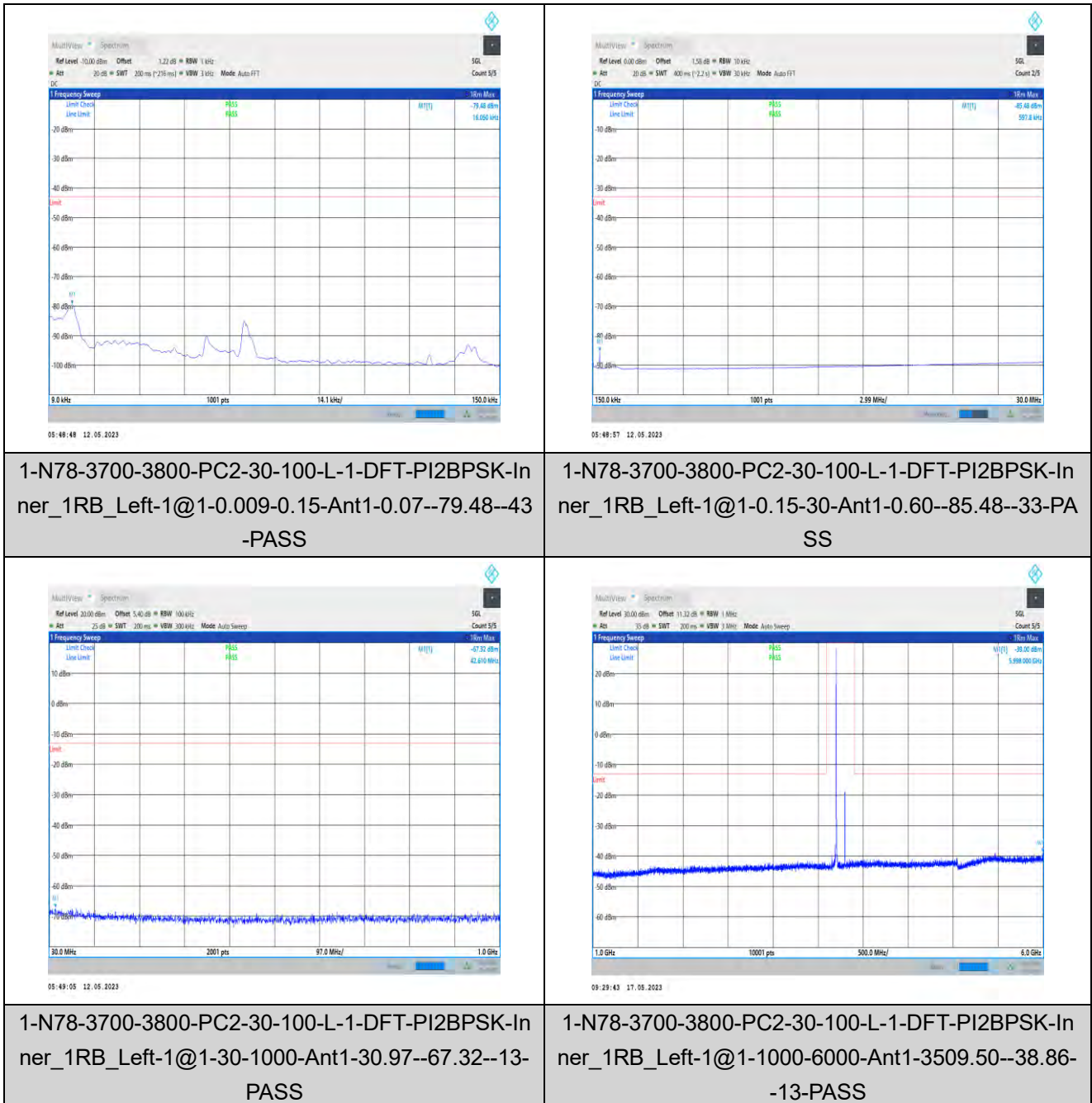


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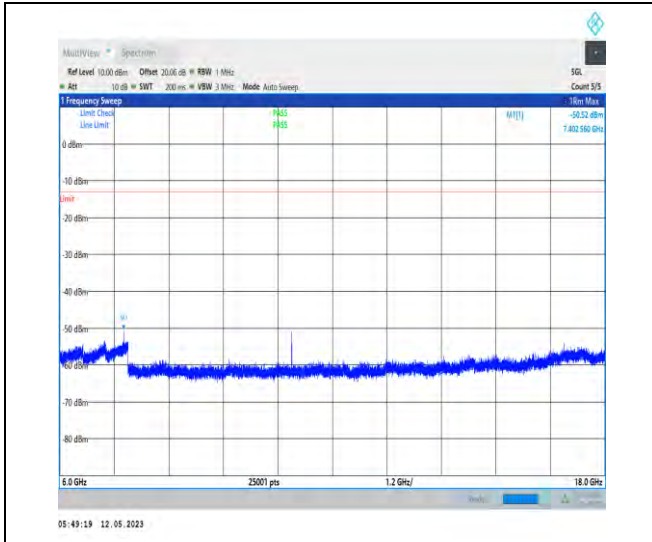
## Conducted Spurious Emission for SA

### Test Graphs

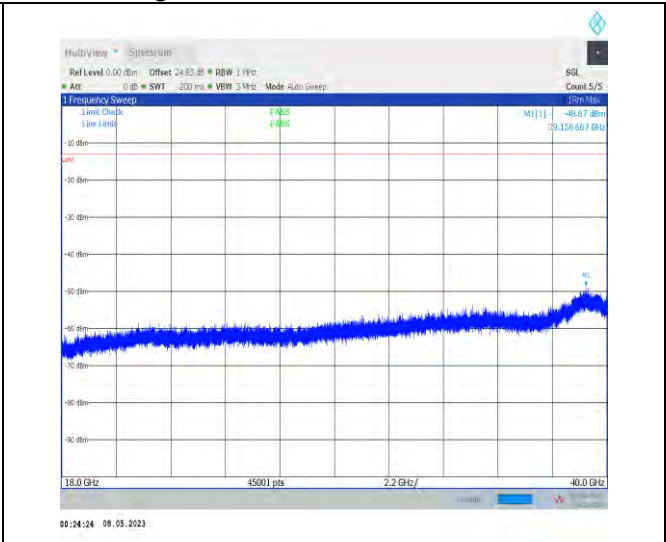


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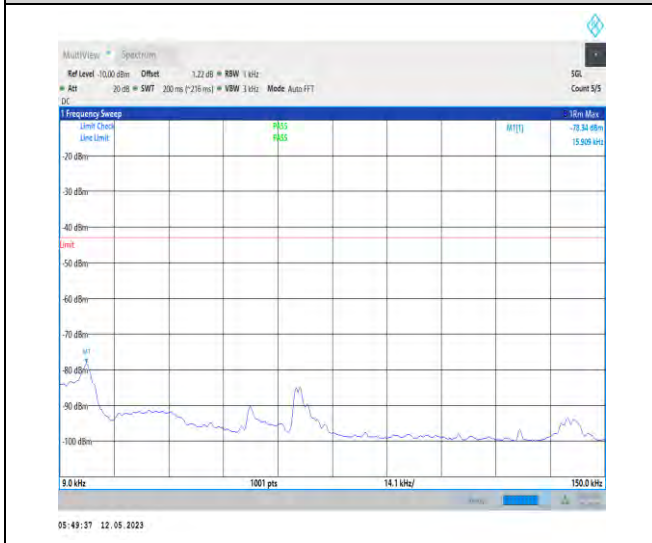
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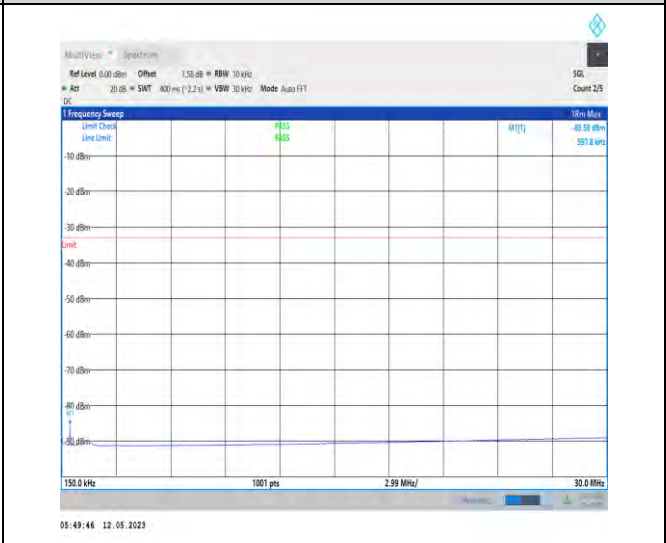
1-N78-3700-3800-PC2-30-100-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-6000-18000-Ant1-7403.04--50.5  
2--13-PASS



1-N78-3700-3800-PC2-30-100-L-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-18000-40000-Ant1-18000.00--61.55--13-PASS



1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.009-0.15-Ant1-0.07--78.34--4  
3-PASS

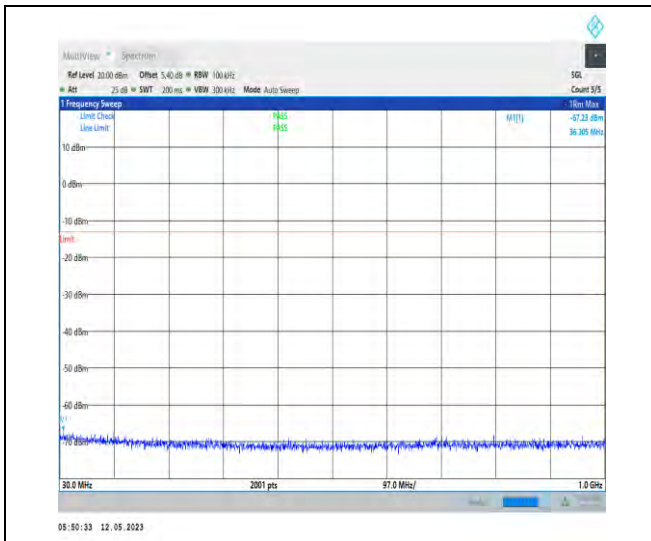


1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-0.15-30-Ant1-0.60--85.59--33-PA  
SS

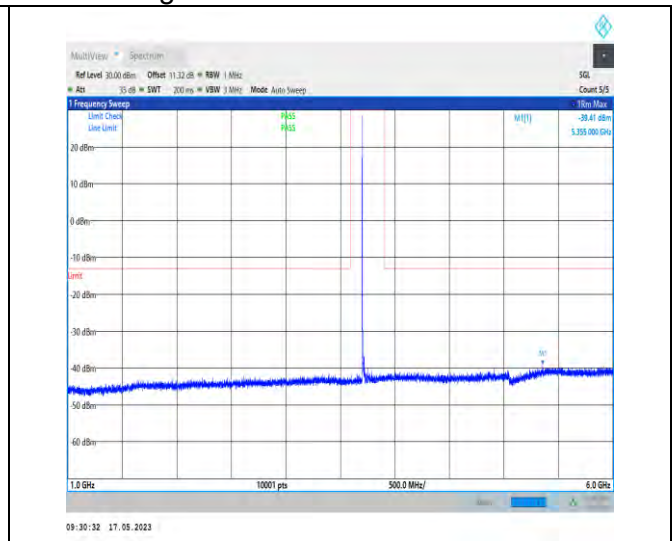


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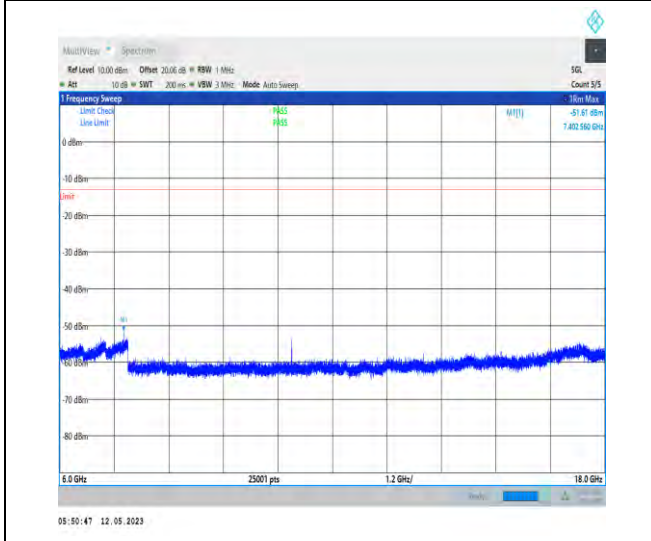
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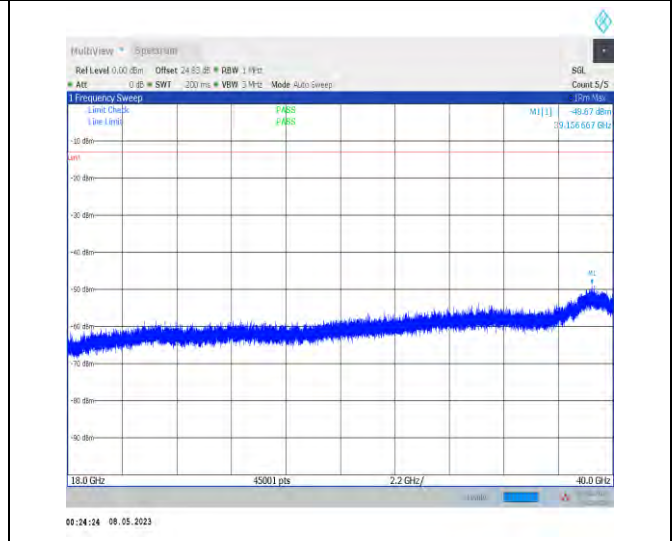
1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-30-1000-Ant1-30.00--67.23--13-PASS



1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-1000-6000-Ant1-5940.00--37.38--13-PASS



1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-6000-18000-Ant1-11104.32--51.61--13-PASS

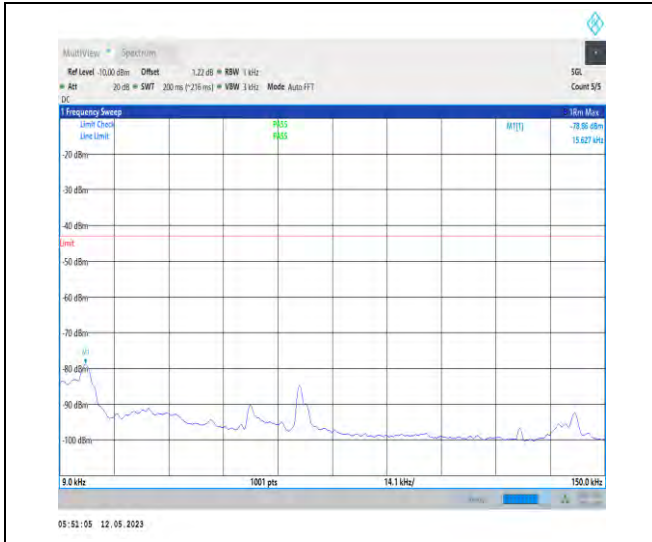


1-N78-3700-3800-PC2-30-100-M-1-DFT-PI2BPSK-Inner\_1RB\_Left-1@1-18000-40000-Ant1-18000.00--62.30--13-PASS

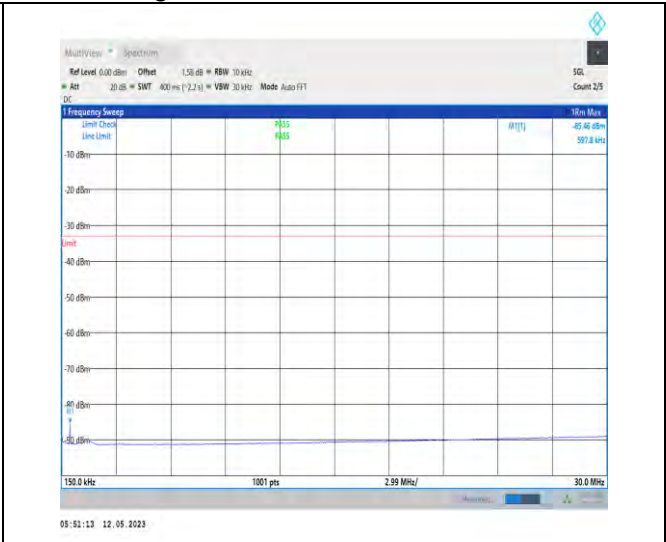


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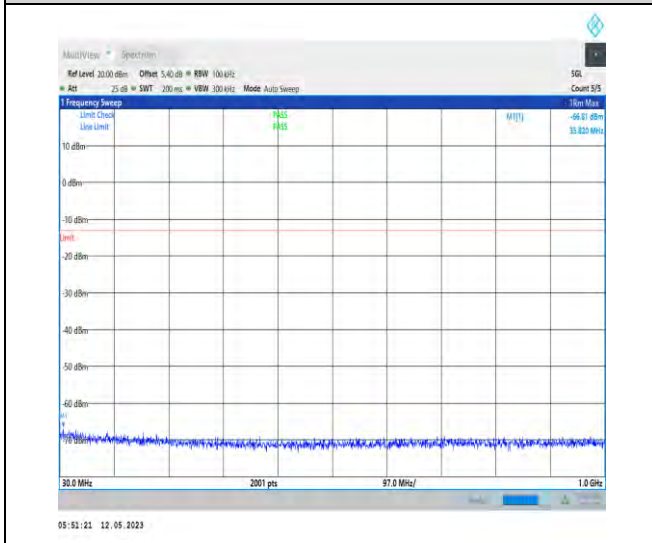
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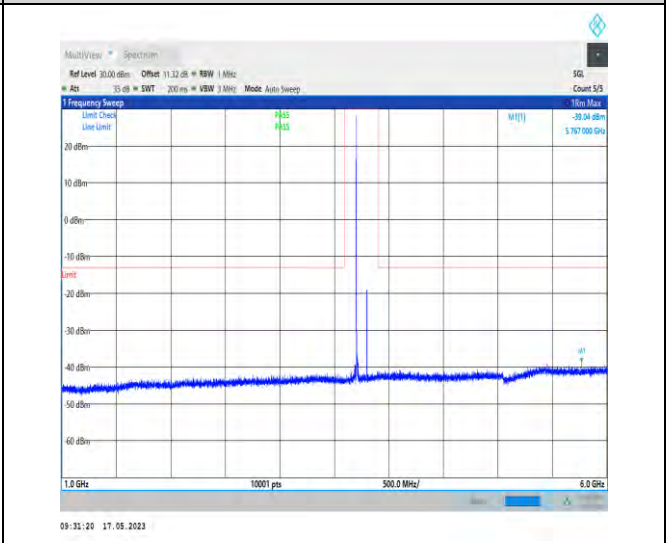
1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-0.009-0.15-Ant1-0.07--78.86--43  
-PASS



1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-0.15-30-Ant1-0.60--85.46--33-PA  
SS



1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-30-1000-Ant1-34.37--66.81--13-  
PASS

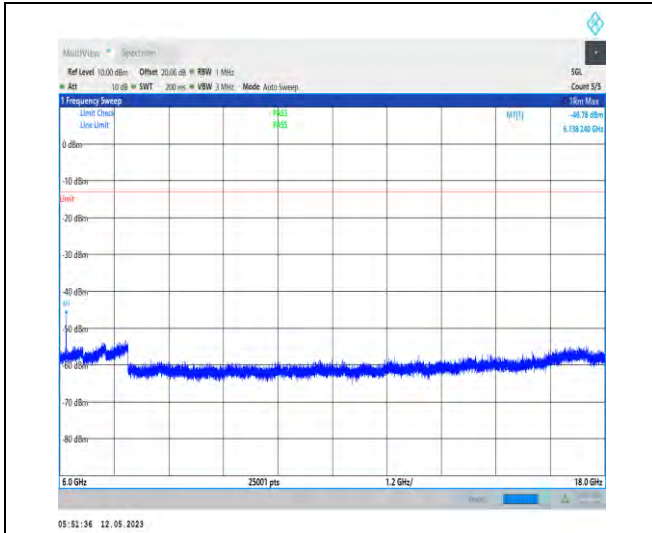


1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-1000-6000-Ant1-5650.50--38.96-  
-13-PASS

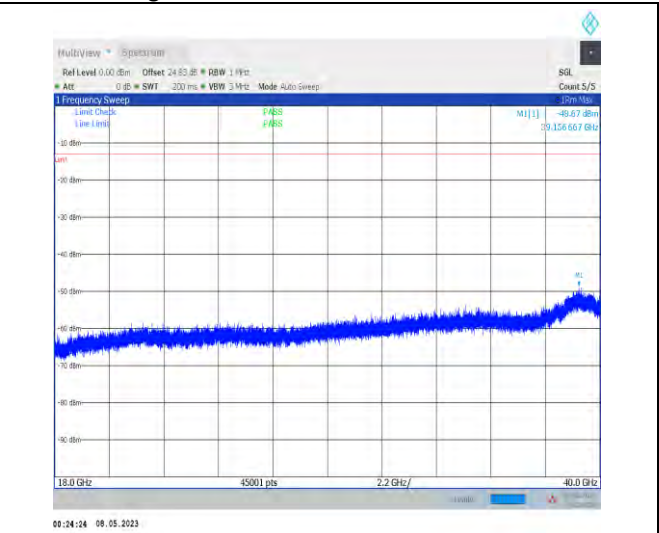


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1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-6000-18000-Ant1-11103.36--46.  
78--13-PASS



1-N78-3700-3800-PC2-30-100-H-1-DFT-PI2BPSK-In  
ner\_1RB\_Left-1@1-18000-40000-Ant1-18000.00--62  
.05--13-PASS



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### Field Strength of Spurious Radiation

Test Band = NR SA Band78\_100MHz \_ TM1  
 Test Channel = Mid 3700-3800 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7399.875	40.77	-42.79	36.49	-60.79	-13.00	47.79	211	352	Horizontal
2	8707.425	38.66	-41.33	37.93	-60.00	-13.00	47.00	145	28	Horizontal
3	10376.65	34.32	-38.78	38.85	-60.86	-13.00	47.86	185	194	Horizontal
4	12801.425	30.18	-36.62	39.63	-62.07	-13.00	49.07	142	208	Horizontal
5	14435	28.99	-34.78	40.06	-61.00	-13.00	48.00	135	225	Horizontal
6	16459.575	31.42	-34.51	37.84	-60.51	-13.00	47.51	188	164	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7517.175	48.95	-43.10	36.43	-52.97	-13.00	39.97	255	270	Vertical
2	8535.5	39.21	-41.48	37.61	-59.91	-13.00	46.91	147	343	Vertical
3	10661.85	33.17	-37.69	39.11	-60.67	-13.00	47.67	184	118	Vertical
4	11443.275	32.28	-37.08	39.06	-60.99	-13.00	47.99	156	150	Vertical
5	12886.525	30.65	-36.84	39.72	-61.73	-13.00	48.73	123	256	Vertical
6	14490.775	28.24	-34.31	40.02	-61.31	-13.00	48.31	261	256	Vertical



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Test Band = NR SA Band78\_100MHz\_TM1

Test Channel = Mid 3700-3800 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7498.775	50.73	-43.17	36.44	-51.25	-13.00	38.25	148	30	Horizontal
2	8610.825	38.80	-40.94	37.77	-59.63	-13.00	46.63	175	360	Horizontal
3	9621.1	35.77	-39.26	38.42	-60.33	-13.00	47.33	126	225	Horizontal
4	11164.4	32.36	-37.01	39.10	-60.81	-13.00	47.81	251	44	Horizontal
5	12221.825	30.67	-37.01	39.12	-62.47	-13.00	49.47	188	353	Horizontal
6	14498.825	28.55	-34.24	40.01	-60.94	-13.00	47.94	192	344	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7126.75	41.47	-43.65	36.41	-61.03	-13.00	48.03	211	299	Vertical
2	8485.475	39.39	-41.74	37.51	-60.10	-13.00	47.10	145	209	Vertical
3	9419.275	37.06	-39.93	38.49	-59.64	-13.00	46.64	125	360	Vertical
4	11280.55	32.72	-37.11	39.11	-60.54	-13.00	47.54	136	343	Vertical
5	13603.55	30.46	-36.04	40.15	-60.69	-13.00	47.69	251	59	Vertical
6	15146.85	29.17	-34.14	39.02	-61.21	-13.00	48.21	148	253	Vertical



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Test Band = NR NSA 2A-n78A\_TM1  
 Test Channel = Mid 3700-3800 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7517.175	51.00	-43.10	36.43	-50.92	-13.00	37.92	214	44	Horizontal
2	8410.15	39.64	-41.41	37.35	-59.68	-13.00	46.68	165	360	Horizontal
3	9604.425	35.85	-39.21	38.44	-60.19	-13.00	47.19	128	90	Horizontal
4	11228.225	32.49	-36.78	39.11	-60.44	-13.00	47.44	195	356	Horizontal
5	12795.675	30.96	-36.63	39.62	-61.31	-13.00	48.31	184	313	Horizontal
6	14286.65	29.79	-35.79	40.17	-61.09	-13.00	48.09	155	360	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6753	41.59	-43.54	35.75	-61.47	-13.00	48.47	145	253	Vertical
2	8974.225	38.04	-40.88	38.18	-59.92	-13.00	46.92	126	330	Vertical
3	10659.55	33.39	-37.70	39.11	-60.46	-13.00	47.46	152	28	Vertical
4	11473.175	31.89	-36.78	39.03	-61.12	-13.00	48.12	135	13	Vertical
5	15146.85	29.59	-34.14	39.02	-60.79	-13.00	47.79	188	104	Vertical
6	16458.425	30.97	-34.52	37.84	-60.97	-13.00	47.97	174	28	Vertical



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Test Band = NR NSA 2A-n78A\_TM1  
 Test Channel = Mid 3700-3800 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6796.125	41.98	-43.58	35.83	-61.02	-13.00	48.02	215	299	Horizontal
2	8950.65	38.20	-40.89	38.17	-59.78	-13.00	46.78	122	28	Horizontal
3	10679.675	32.75	-37.60	39.12	-60.98	-13.00	47.98	169	209	Horizontal
4	12228.725	30.69	-36.97	39.12	-62.42	-13.00	49.42	154	316	Horizontal
5	13924.975	29.63	-35.37	40.07	-60.93	-13.00	47.93	184	359	Horizontal
6	14506.3	28.24	-34.30	40.01	-61.31	-13.00	48.31	133	254	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7052	41.01	-43.34	36.22	-61.37	-13.00	48.37	254	134	Vertical
2	8413.6	39.71	-41.43	37.36	-59.62	-13.00	46.62	174	165	Vertical
3	9599.25	36.31	-39.21	38.44	-59.72	-13.00	46.72	158	44	Vertical
4	11234.55	32.42	-36.82	39.11	-60.55	-13.00	47.55	186	359	Vertical
5	13677.725	29.69	-36.00	40.08	-61.49	-13.00	48.49	159	360	Vertical
6	15891.475	28.86	-34.04	38.04	-62.39	-13.00	49.39	192	103	Vertical



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Test Band = NR NSA 38A-n78A\_ TM1

Test Channel = Mid 3700-3800 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7495.9	50.44	-43.15	36.44	-51.53	-13.00	38.53	159	59	Horizontal
2	9137.525	37.20	-40.24	38.30	-60.00	-13.00	47.00	147	256	Horizontal
3	10352.5	34.26	-38.84	38.85	-60.99	-13.00	47.99	154	104	Horizontal
4	11489.85	31.16	-36.61	39.01	-61.70	-13.00	48.70	126	194	Horizontal
5	13631.15	30.42	-36.02	40.12	-60.74	-13.00	47.74	152	256	Horizontal
6	15803.5	28.15	-33.10	38.19	-62.01	-13.00	49.01	183	360	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7365.375	40.81	-42.98	36.51	-60.92	-13.00	47.92	122	163	Vertical
2	9127.75	37.08	-40.28	38.29	-60.17	-13.00	47.17	154	134	Vertical
3	10207.6	34.68	-39.26	38.81	-61.02	-13.00	48.02	147	178	Vertical
4	11948.125	30.71	-37.27	38.91	-62.91	-13.00	49.91	185	352	Vertical
5	12225.85	30.64	-36.99	39.12	-62.49	-13.00	49.49	142	195	Vertical
6	15147.425	29.15	-34.14	39.02	-61.23	-13.00	48.23	163	120	Vertical



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Test Band = NR NSA 38A-n78A\_ TM1

Test Channel = Mid 3700-3800 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6983	41.25	-43.14	36.06	-61.10	-13.00	48.10	254	359	Horizontal
2	9409.5	36.33	-39.92	38.49	-60.37	-13.00	47.37	126	357	Horizontal
3	10596.875	33.54	-38.03	39.06	-60.70	-13.00	47.70	145	134	Horizontal
4	11460.525	32.19	-36.90	39.04	-60.93	-13.00	47.93	184	225	Horizontal
5	13673.7	30.46	-36.00	40.08	-60.72	-13.00	47.72	175	225	Horizontal
6	14629.35	29.43	-35.18	39.90	-61.11	-13.00	48.11	129	360	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7000.25	40.74	-42.99	36.08	-61.43	-13.00	48.43	211	103	Vertical
2	8402.675	39.76	-41.38	37.34	-59.55	-13.00	46.55	158	360	Vertical
3	9481.95	36.64	-39.95	38.47	-60.10	-13.00	47.10	148	360	Vertical
4	11495.6	31.19	-36.55	39.00	-61.62	-13.00	48.62	100	164	Vertical
5	13416.1	29.12	-36.16	40.15	-62.15	-13.00	49.15	163	3	Vertical
6	16385.4	30.66	-34.80	37.71	-61.69	-13.00	48.69	259	178	Vertical



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Test Band = NR NSA 41A-n78A\_ TM1

Test Channel = Mid 3700-3800 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6995.075	41.00	-43.03	36.07	-61.22	-13.00	48.22	214	316	Horizontal
2	9123.725	36.91	-40.30	38.29	-60.36	-13.00	47.36	158	270	Horizontal
3	10331.8	35.12	-38.89	38.84	-60.19	-13.00	47.19	147	196	Horizontal
4	11229.375	31.97	-36.79	39.11	-60.97	-13.00	47.97	175	344	Horizontal
5	12819.825	30.17	-36.67	39.65	-62.11	-13.00	49.11	142	121	Horizontal
6	15146.85	29.66	-34.14	39.02	-60.72	-13.00	47.72	126	30	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7475.2	48.74	-43.08	36.45	-53.14	-13.00	40.14	211	283	Vertical
2	8409.575	39.57	-41.41	37.35	-59.75	-13.00	46.75	125	360	Vertical
3	9601.55	35.83	-39.20	38.44	-60.20	-13.00	47.20	153	360	Vertical
4	10674.5	32.88	-37.62	39.12	-60.88	-13.00	47.88	144	360	Vertical
5	13970.975	29.42	-35.01	40.11	-60.74	-13.00	47.74	185	194	Vertical
6	15147.425	29.33	-34.14	39.02	-61.05	-13.00	48.05	169	43	Vertical



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Test Band = NR NSA 41A-n78A\_ TM1

Test Channel = Mid 3700-3800 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7467.725	44.47	-43.05	36.46	-57.38	-13.00	44.38	213	14	Horizontal
2	8589.55	38.88	-40.99	37.73	-59.64	-13.00	46.64	126	164	Horizontal
3	10686.575	33.04	-37.56	39.13	-60.65	-13.00	47.65	201	14	Horizontal
4	11474.325	32.11	-36.77	39.03	-60.89	-13.00	47.89	154	209	Horizontal
5	12831.9	30.49	-36.70	39.66	-61.81	-13.00	48.81	146	29	Horizontal
6	13916.35	29.86	-35.44	40.06	-60.78	-13.00	47.78	188	44	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7359.625	40.80	-43.01	36.51	-60.96	-13.00	47.96	142	226	Vertical
2	9088.075	37.45	-40.46	38.26	-60.01	-13.00	47.01	152	74	Vertical
3	10102.375	34.13	-38.71	38.65	-61.19	-13.00	48.19	156	240	Vertical
4	11139.675	32.77	-37.29	39.10	-60.69	-13.00	47.69	136	332	Vertical
5	12268.975	30.43	-36.79	39.11	-62.51	-13.00	49.51	256	43	Vertical
6	14441.325	28.37	-34.73	40.05	-61.57	-13.00	48.57	218	121	Vertical



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**Test Band = NR NSA 5A-n78A\_TM1**  
**Test Channel = Mid 3700-3800 ANT3**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7291.775	40.84	-43.35	36.55	-61.22	-13.00	48.22	211	43	Horizontal
2	8949.5	38.94	-40.89	38.17	-59.04	-13.00	46.04	145	360	Horizontal
3	10113.875	35.82	-38.78	38.67	-59.55	-13.00	46.55	188	360	Horizontal
4	11426.6	33.85	-37.24	39.08	-59.57	-13.00	46.57	195	74	Horizontal
5	12837.65	32.75	-36.71	39.67	-59.56	-13.00	46.56	128	209	Horizontal
6	14374.625	32.16	-35.28	40.10	-58.28	-13.00	45.28	166	178	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7050.85	41.25	-43.33	36.21	-61.13	-13.00	48.13	155	118	Vertical
2	8405.55	40.06	-41.39	37.34	-59.25	-13.00	46.25	142	59	Vertical
3	9270.35	37.85	-40.03	38.39	-59.05	-13.00	46.05	126	239	Vertical
4	10115.025	35.94	-38.79	38.67	-59.43	-13.00	46.43	136	210	Vertical
5	11421.425	33.72	-37.30	39.09	-59.75	-13.00	46.75	258	270	Vertical
6	13760.525	33.21	-36.15	40.00	-58.20	-13.00	45.20	174	73	Vertical



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**Test Band = NR NSA 5A-n78A\_TM1**  
**Test Channel = Mid 3700-3800 ANT5**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7137.1	41.57	-43.64	36.44	-60.89	-13.00	47.89	155	106	Horizontal
2	8408.425	40.31	-41.41	37.35	-59.01	-13.00	46.01	142	242	Horizontal
3	9287.025	37.59	-40.05	38.41	-59.32	-13.00	46.32	169	75	Horizontal
4	11224.2	34.09	-36.75	39.11	-58.81	-13.00	45.81	185	106	Horizontal
5	12211.475	33.62	-37.06	39.13	-59.57	-13.00	46.57	128	301	Horizontal
6	14494.225	31.85	-34.28	40.01	-57.68	-13.00	44.68	188	75	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7378.6	41.24	-42.91	36.50	-60.42	-13.00	47.42	211	360	Vertical
2	8689.025	39.26	-41.29	37.90	-59.39	-13.00	46.39	140	360	Vertical
3	9601.55	36.73	-39.20	38.44	-59.30	-13.00	46.30	144	330	Vertical
4	11227.075	33.78	-36.77	39.11	-59.14	-13.00	46.14	216	301	Vertical
5	12808.9	32.84	-36.64	39.64	-59.42	-13.00	46.42	184	360	Vertical
6	15147.425	31.90	-34.14	39.02	-58.48	-13.00	45.48	198	180	Vertical



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**Test Band = NR NSA 66A-n78A\_ TM1**  
**Test Channel = Mid 3700-3800 ANT3**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7788	40.83	-42.62	36.76	-60.30	-13.00	47.30	211	273	Horizontal
2	9993.125	36.73	-39.37	38.48	-59.42	-13.00	46.42	158	166	Horizontal
3	11152.325	34.13	-37.15	39.10	-59.18	-13.00	46.18	148	90	Horizontal
4	12235.625	33.42	-36.94	39.12	-59.66	-13.00	46.66	156	14	Horizontal
5	14498.25	31.16	-34.24	40.01	-58.33	-13.00	45.33	126	316	Horizontal
6	16464.175	33.22	-34.49	37.85	-58.68	-13.00	45.68	139	358	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8020.875	39.94	-41.97	37.02	-60.27	-13.00	47.27	155	224	Vertical
2	9412.375	37.38	-39.92	38.49	-59.32	-13.00	46.32	142	178	Vertical
3	11159.8	34.15	-37.06	39.10	-59.07	-13.00	46.07	169	90	Vertical
4	12231.025	33.35	-36.96	39.12	-59.75	-13.00	46.75	184	352	Vertical
5	13730.05	32.75	-36.07	40.03	-58.55	-13.00	45.55	175	360	Vertical
6	15848.925	31.64	-33.58	38.12	-59.09	-13.00	46.09	122	75	Vertical



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Test Band = NR NSA 66A-n78A\_ TM1

Test Channel = Mid 3700-3800 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7429.2	41.22	-42.90	36.48	-60.47	-13.00	47.47	156	195	Horizontal
2	9294.5	37.76	-40.06	38.41	-59.15	-13.00	46.15	142	353	Horizontal
3	9603.85	37.18	-39.21	38.44	-58.86	-13.00	45.86	188	3	Horizontal
4	10472.1	35.53	-38.75	38.93	-59.55	-13.00	46.55	195	120	Horizontal
5	11575.525	32.71	-36.86	38.92	-60.50	-13.00	47.50	128	353	Horizontal
6	15147.425	32.00	-34.14	39.02	-58.38	-13.00	45.38	133	357	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7816.175	40.47	-42.61	36.80	-60.60	-13.00	47.60	254	149	Vertical
2	9320.375	37.61	-40.04	38.43	-59.26	-13.00	46.26	156	87	Vertical
3	10666.45	34.56	-37.66	39.11	-59.25	-13.00	46.25	281	268	Vertical
4	12823.85	33.24	-36.68	39.65	-59.05	-13.00	46.05	147	118	Vertical
5	14502.85	31.18	-34.26	40.01	-58.33	-13.00	45.33	185	253	Vertical
6	16457.85	33.34	-34.52	37.84	-58.61	-13.00	45.61	129	239	Vertical



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Test Band = NR NSA 7A-n78A\_TM1  
 Test Channel = Mid 3700-3800 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8076.65	39.48	-41.52	37.04	-60.27	-13.00	47.27	266	269	Horizontal
2	10078.225	36.26	-38.85	38.62	-59.23	-13.00	46.23	135	359	Horizontal
3	10695.2	34.41	-37.51	39.14	-59.23	-13.00	46.23	128	164	Horizontal
4	12312.1	33.30	-36.68	39.10	-59.55	-13.00	46.55	148	269	Horizontal
5	14332.075	32.47	-35.61	40.13	-58.27	-13.00	45.27	144	360	Horizontal
6	16863.8	33.70	-34.26	38.43	-57.40	-13.00	44.40	172	360	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7003.125	41.09	-43.01	36.09	-61.09	-13.00	48.09	155	314	Vertical
2	8970.775	38.42	-40.88	38.18	-59.54	-13.00	46.54	142	284	Vertical
3	9606.725	36.77	-39.22	38.43	-59.28	-13.00	46.28	159	360	Vertical
4	10703.825	34.75	-37.53	39.14	-58.89	-13.00	45.89	156	314	Vertical
5	12824.425	32.92	-36.68	39.65	-59.37	-13.00	46.37	291	359	Vertical
6	15358.45	30.84	-34.00	38.76	-59.66	-13.00	46.66	180	165	Vertical



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**Test Band = NR NSA 7A-n78A\_TM1**  
**Test Channel = Mid 3700-3800 ANT5**

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7386.075	41.60	-42.87	36.50	-60.03	-13.00	47.03	214	73	Horizontal
2	9264.025	38.06	-40.03	38.39	-58.84	-13.00	45.84	158	44	Horizontal
3	9649.275	37.00	-39.34	38.39	-59.21	-13.00	46.21	174	287	Horizontal
4	10705.55	34.62	-37.54	39.14	-59.04	-13.00	46.04	186	270	Horizontal
5	11602.55	32.65	-36.96	38.89	-60.68	-13.00	47.68	254	352	Horizontal
6	13631.725	32.56	-36.02	40.12	-58.60	-13.00	45.60	153	359	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7744.3	40.74	-42.79	36.67	-60.63	-13.00	47.63	214	300	Vertical
2	9258.85	37.52	-40.02	38.38	-59.38	-13.00	46.38	156	269	Vertical
3	10001.175	36.67	-39.37	38.49	-59.47	-13.00	46.47	195	57	Vertical
4	11700.3	31.81	-36.09	38.82	-60.72	-13.00	47.72	182	28	Vertical
5	13377.575	32.27	-36.28	40.12	-59.15	-13.00	46.15	144	314	Vertical
6	15147.425	32.21	-34.14	39.02	-58.17	-13.00	45.17	215	57	Vertical



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Test Band = NR NSA 26A-n78A\_ TM1

Test Channel = Mid 3700-3800 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7828.25	40.59	-42.63	36.81	-60.48	-13.00	47.48	215	212	Horizontal
2	9415.825	37.43	-39.93	38.49	-59.27	-13.00	46.27	146	301	Horizontal
3	10691.175	34.47	-37.54	39.13	-59.19	-13.00	46.19	259	353	Horizontal
4	11484.1	33.24	-36.67	39.02	-59.67	-13.00	46.67	184	360	Horizontal
5	12814.075	33.04	-36.66	39.64	-59.23	-13.00	46.23	155	76	Horizontal
6	15148	31.57	-34.13	39.02	-58.80	-13.00	45.80	177	195	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7446.45	41.36	-42.97	36.47	-60.40	-13.00	47.40	256	60	Vertical
2	8933.4	38.77	-40.90	38.16	-59.23	-13.00	46.23	144	269	Vertical
3	9638.35	36.32	-39.31	38.40	-59.85	-13.00	46.85	128	105	Vertical
4	11224.775	33.90	-36.76	39.11	-59.01	-13.00	46.01	198	344	Vertical
5	13962.925	31.80	-35.07	40.11	-58.43	-13.00	45.43	174	357	Vertical
6	16815.5	33.61	-34.56	38.40	-57.82	-13.00	44.82	152	120	Vertical



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Test Band = NR NSA 26A-n78A\_ TM1

Test Channel = Mid 3700-3800 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7475.2	41.33	-43.08	36.45	-60.55	-13.00	47.55	216	343	Horizontal
2	9607.3	36.64	-39.22	38.43	-59.41	-13.00	46.41	135	104	Horizontal
3	10116.175	35.75	-38.79	38.68	-59.63	-13.00	46.63	148	238	Horizontal
4	11458.225	33.21	-36.93	39.05	-59.93	-13.00	46.93	198	299	Horizontal
5	13701.875	32.83	-35.99	40.05	-58.37	-13.00	45.37	251	30	Horizontal
6	16908.65	33.11	-34.01	38.45	-57.71	-13.00	44.71	140	284	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7383.2	41.03	-42.88	36.50	-60.61	-13.00	47.61	256	240	Vertical
2	9270.925	37.59	-40.04	38.39	-59.31	-13.00	46.31	142	343	Vertical
3	10701.525	34.28	-37.50	39.14	-59.34	-13.00	46.34	136	3	Vertical
4	12216.075	33.23	-37.03	39.13	-59.94	-13.00	46.94	145	240	Vertical
5	13631.725	32.15	-36.02	40.12	-59.01	-13.00	46.01	182	360	Vertical
6	17496.875	32.52	-33.87	39.18	-57.42	-13.00	44.42	170	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

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-0.900000	-0.000240	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-7.900000	-0.002107	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-6.100000	-0.001627	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VH	NT	-3.500000	-0.001000	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VN	NT	-3.600000	-0.001029	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VL	NT	-2.400000	-0.000686	PASS

#### Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-4.300000	-0.001229	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	0.400000	0.000114	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-1.600000	-0.000457	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.500000	-0.000429	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-9.400000	-0.002686	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-2.100000	-0.000600	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-7.900000	-0.002257	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-4.000000	-0.001143	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.600000	-0.000457	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-30	-4.400000	-0.001257	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-20	-0.100000	-0.000029	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-10	-3.500000	-0.001000	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	0	-1.900000	-0.000543	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	10	-8.800000	-0.002514	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	20	-2.600000	-0.000743	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	30	-6.200000	-0.001771	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	40	-3.500000	-0.001000	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	50	-5.200000	-0.001486	PASS

---End of Attachment---



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