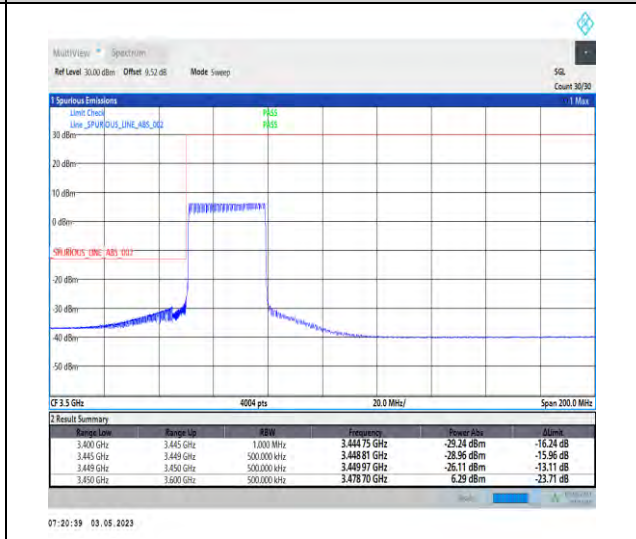
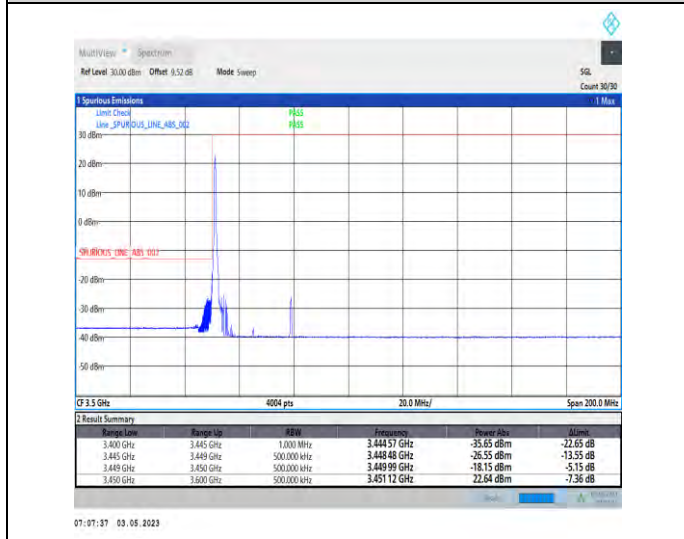


1-N78-3450-3550-PC2-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



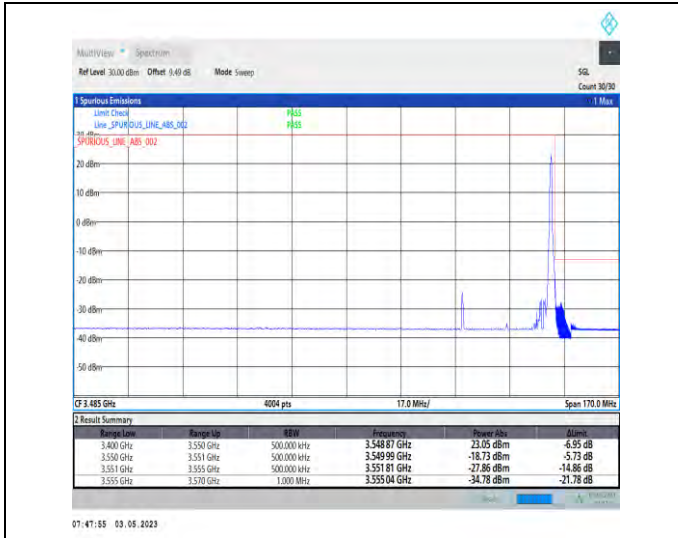
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1-N78-3450-3550-PC2-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph

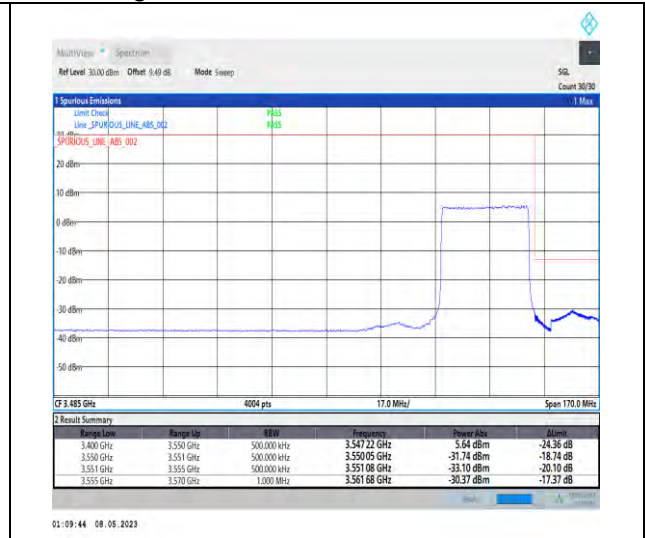


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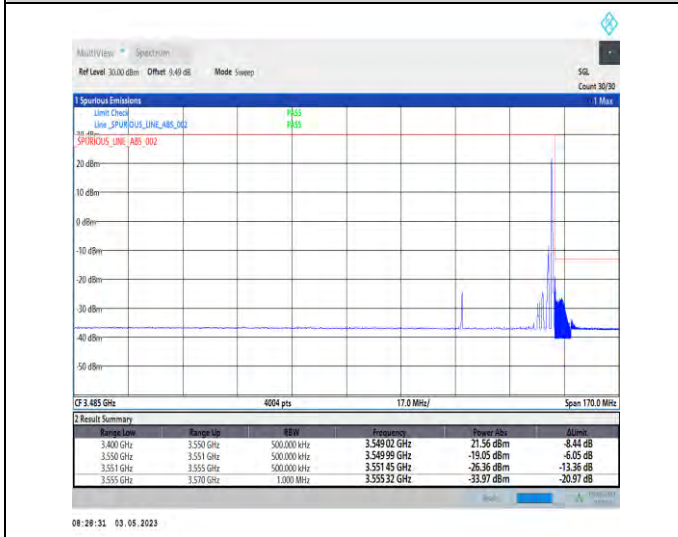
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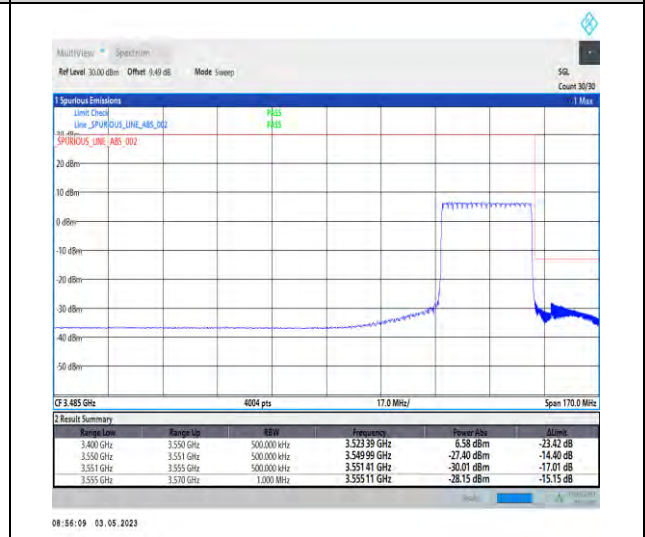
1-N78-3450-3550-PC2-30-30-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@77-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-30-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant1-1--PASS-see graph

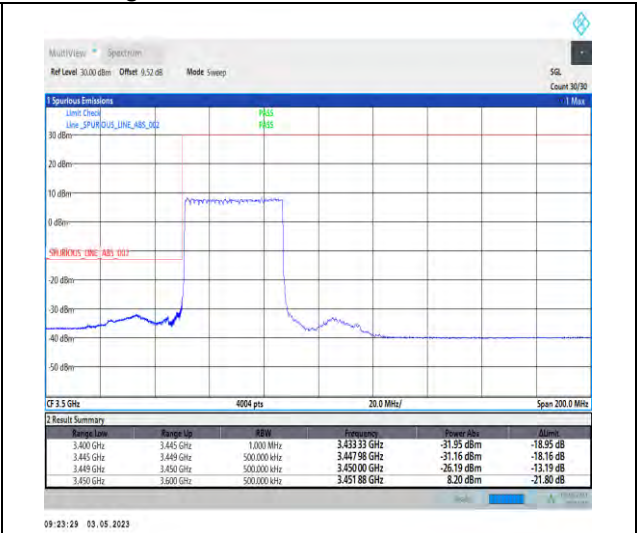
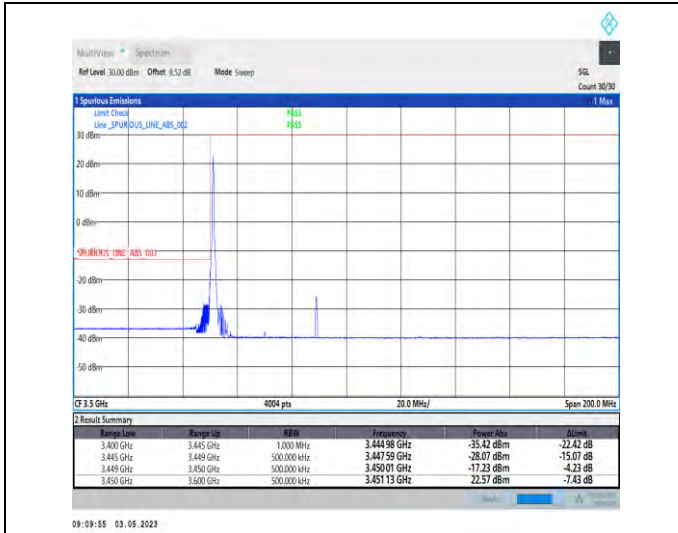


1-N78-3450-3550-PC2-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph



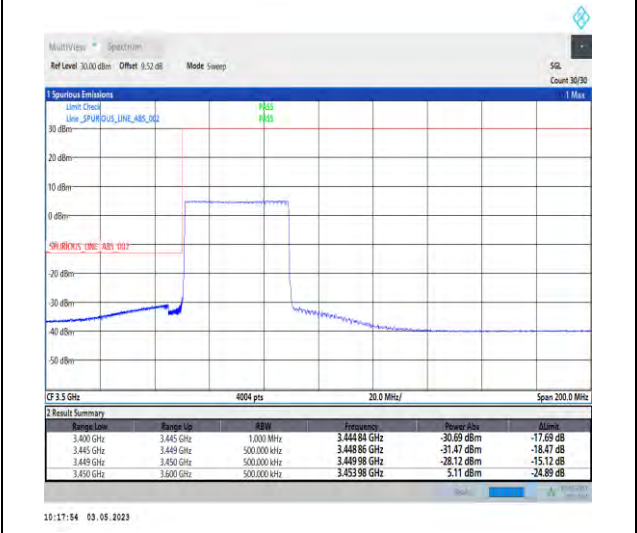
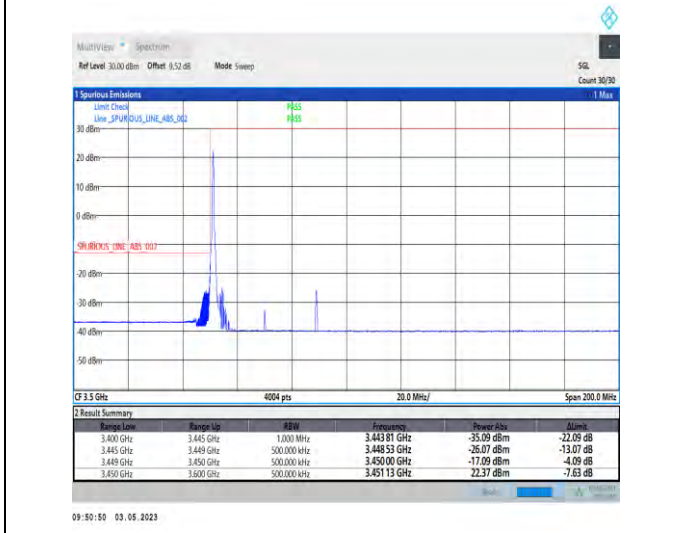
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1-N78-3450-3550-PC2-30-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

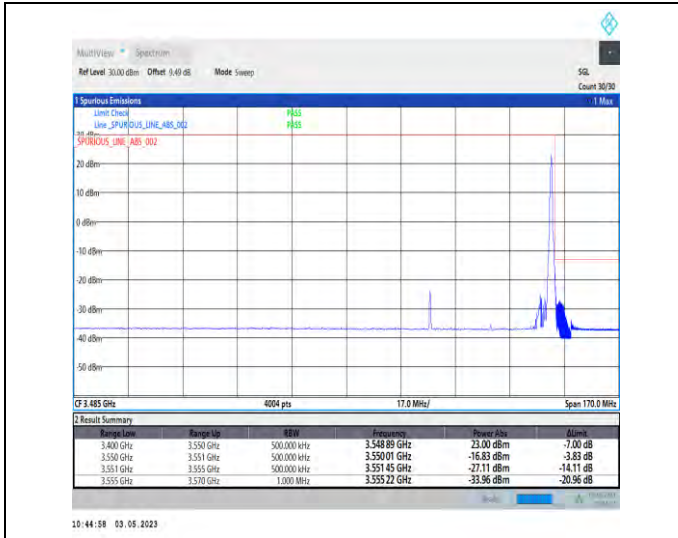
1-N78-3450-3550-PC2-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



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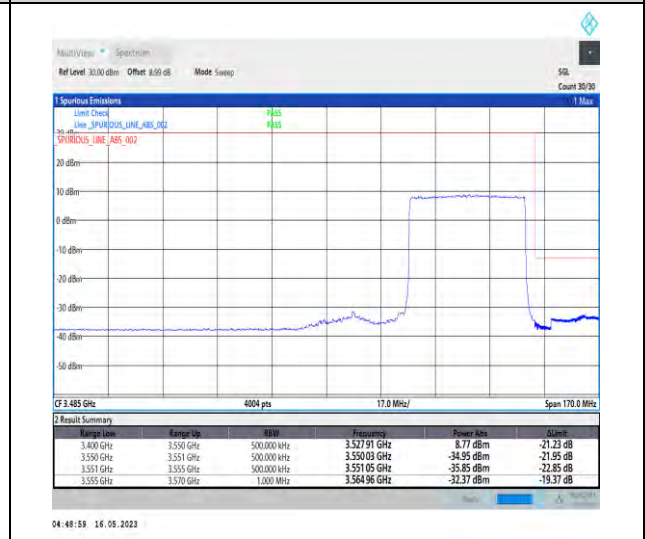
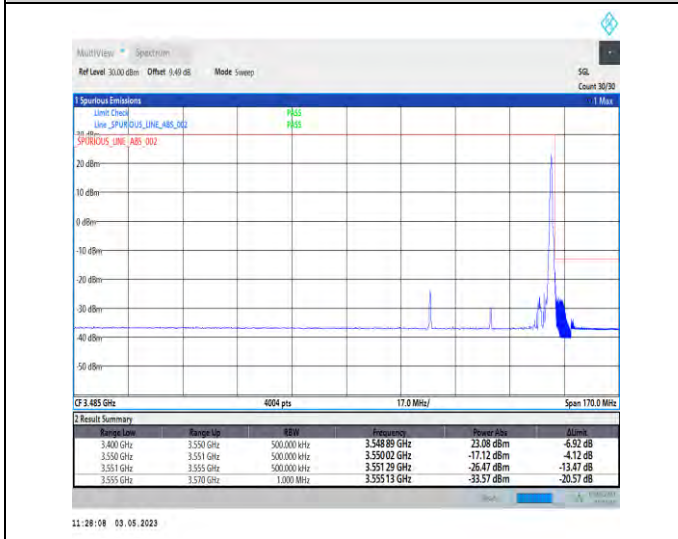
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1-N78-3450-3550-PC2-30-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



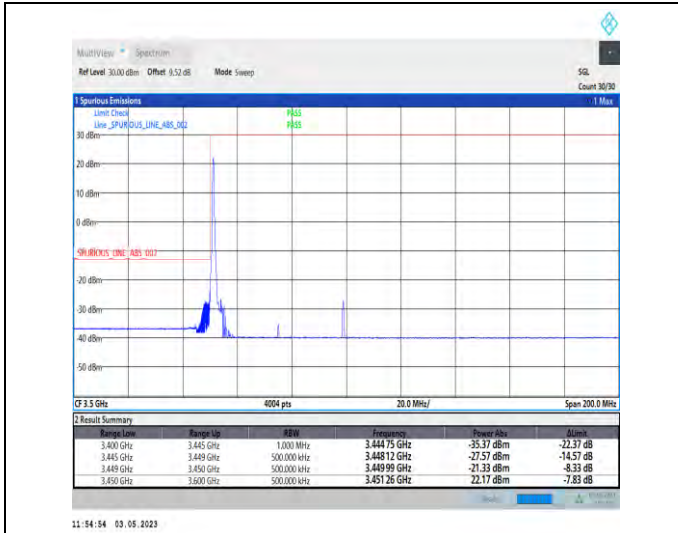
1-N78-3450-3550-PC2-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph



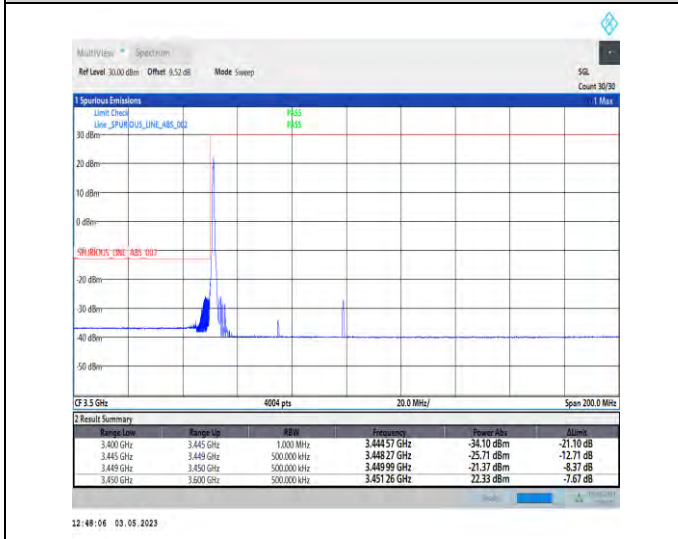
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1-N78-3450-3550-PC2-30-50-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-50-L-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



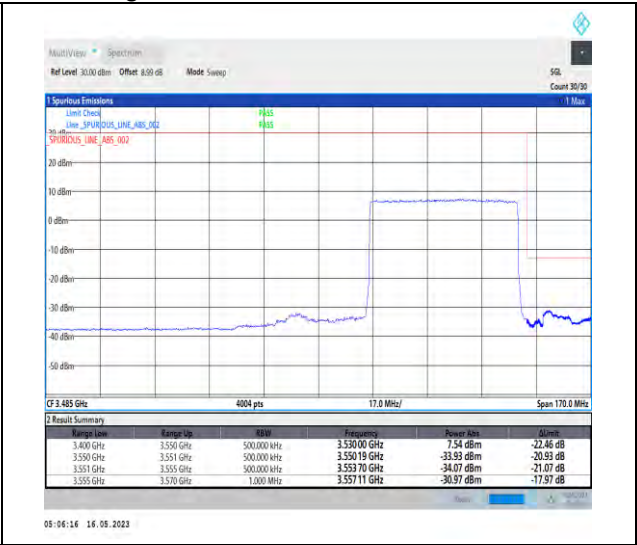
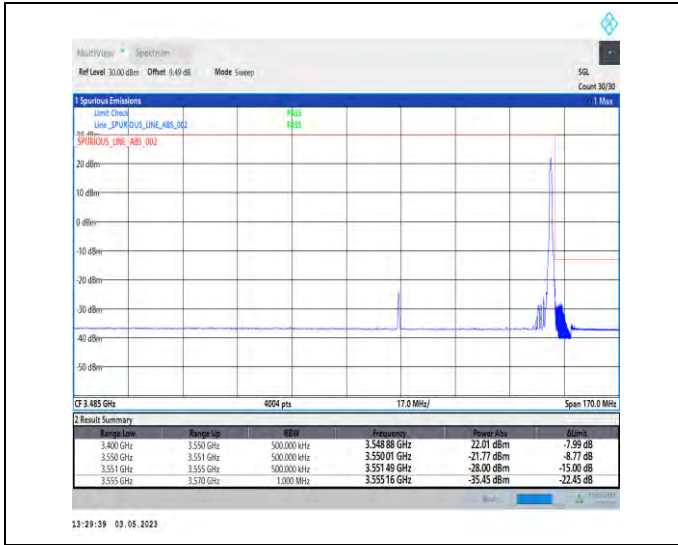
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1-N78-3450-3550-PC2-30-50-L-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph



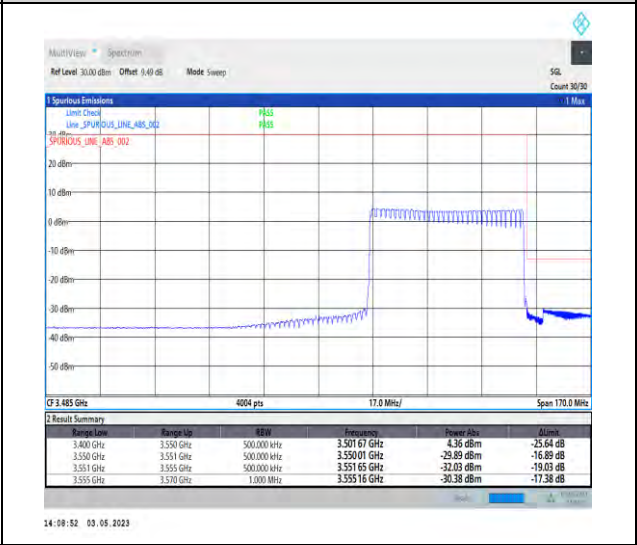
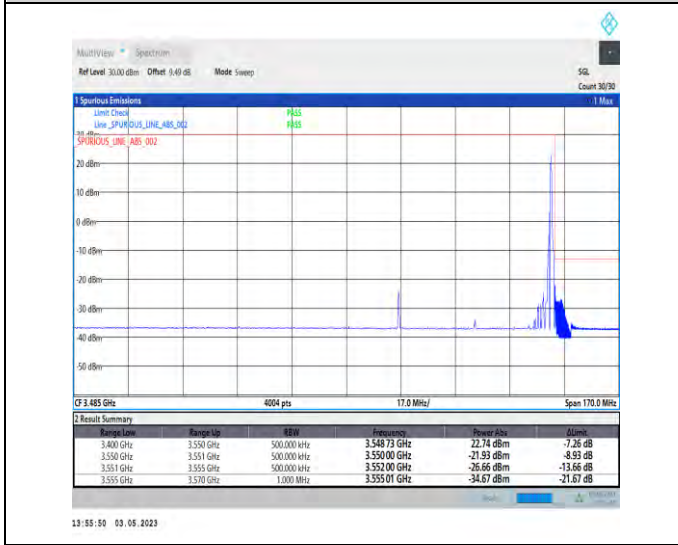
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1-N78-3450-3550-PC2-30-50-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



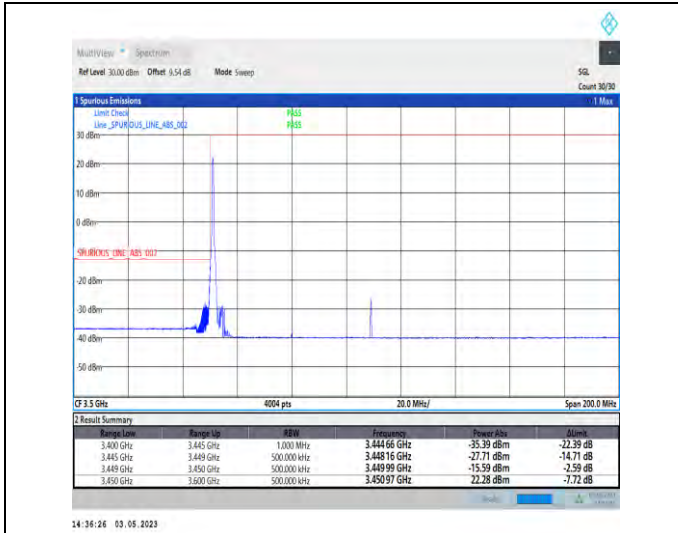
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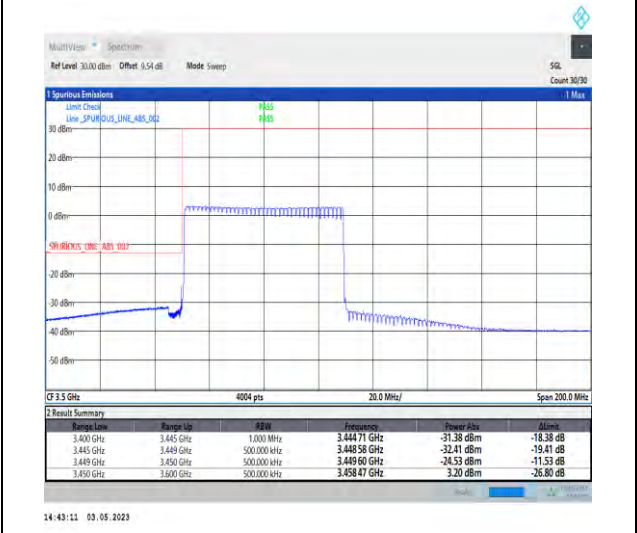
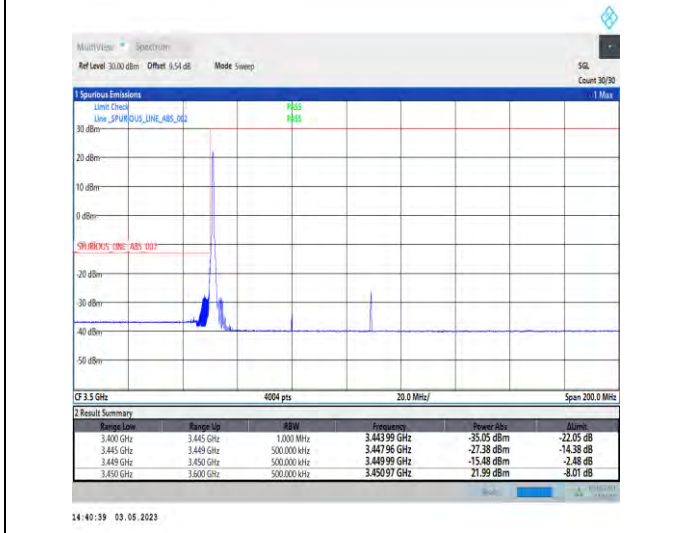
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1-N78-3450-3550-PC2-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

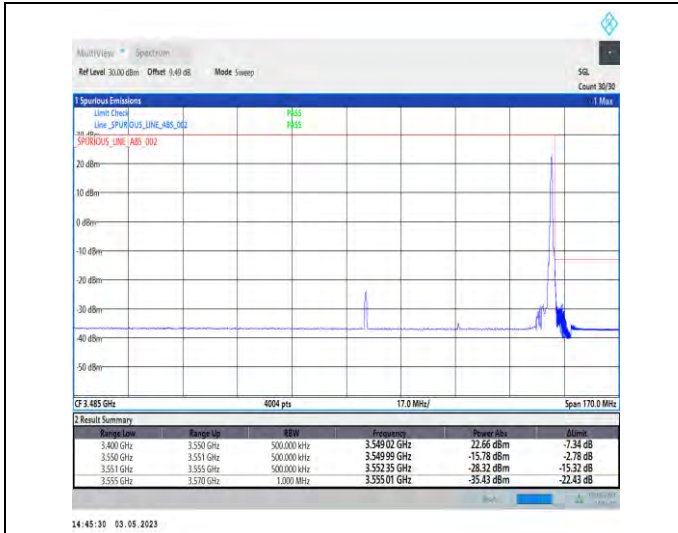
1-N78-3450-3550-PC2-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



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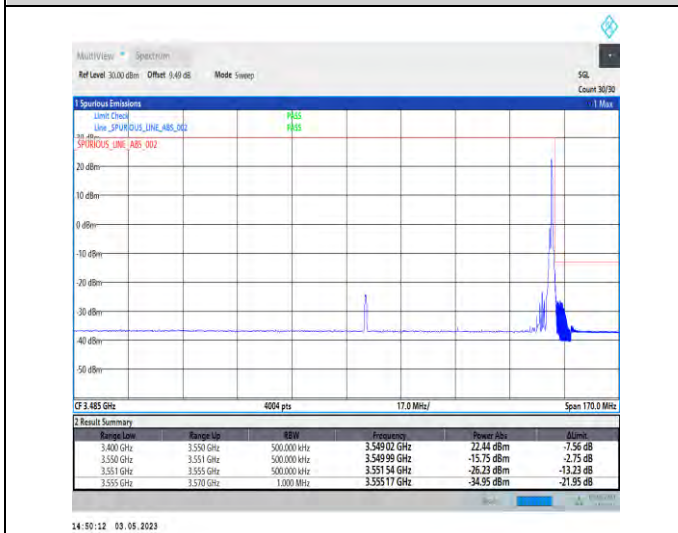
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1-N78-3450-3550-PC2-30-60-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph

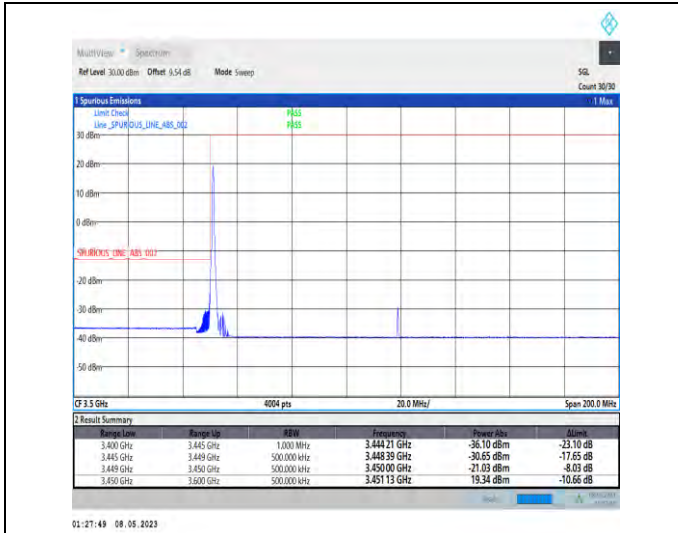


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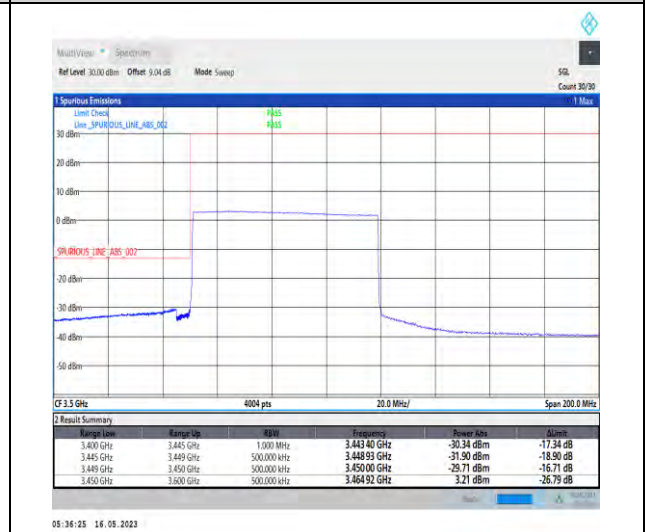
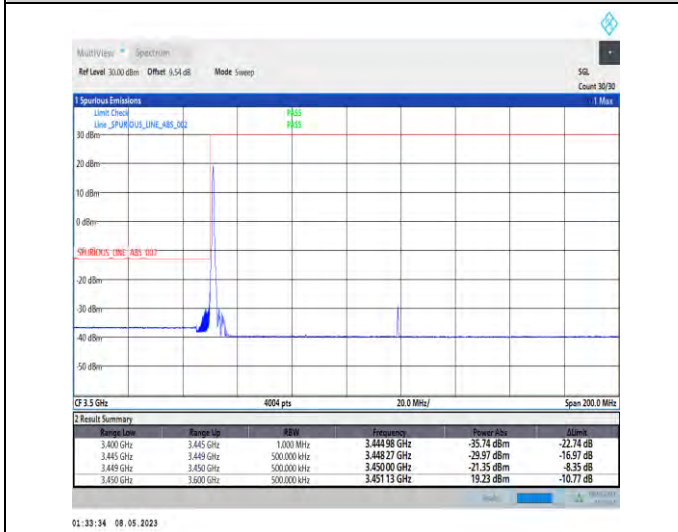
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1-N78-3450-3550-PC2-30-70-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-70-L-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1--PASS-see graph



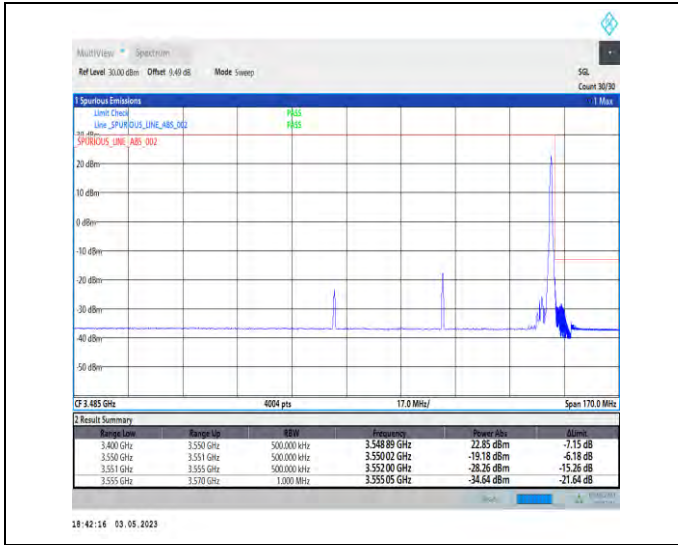
1-N78-3450-3550-PC2-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph



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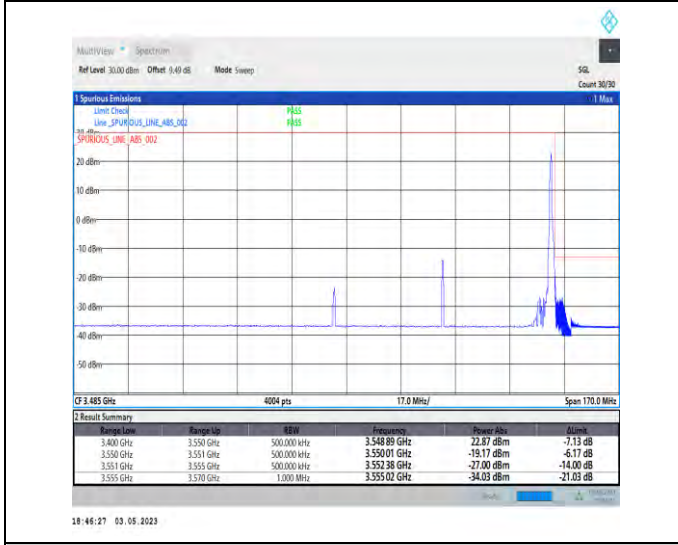
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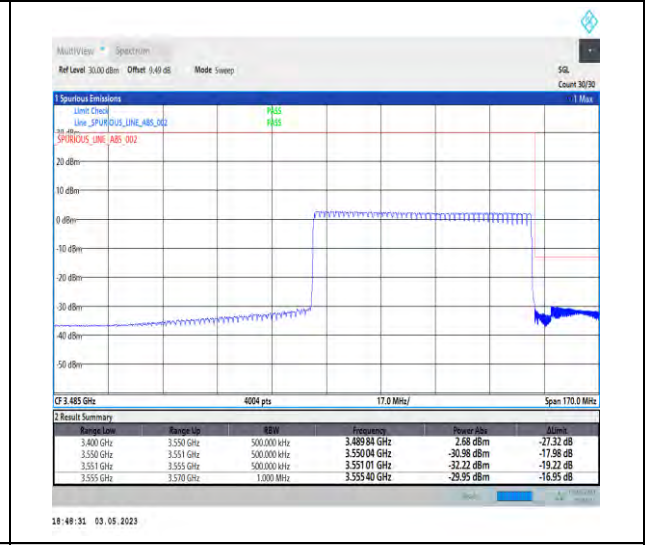
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1-N78-3450-3550-PC2-30-70-H-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant1-1--PASS-see graph

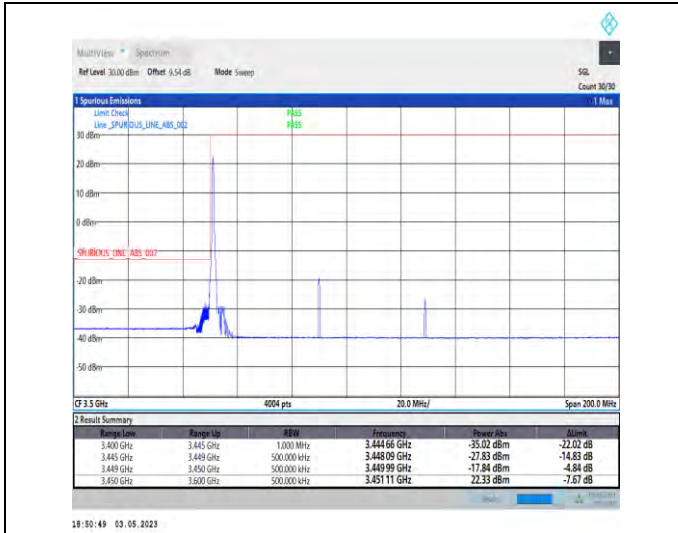


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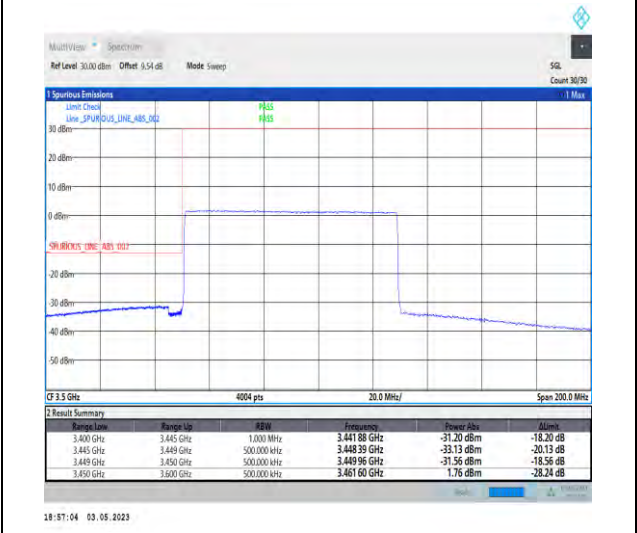
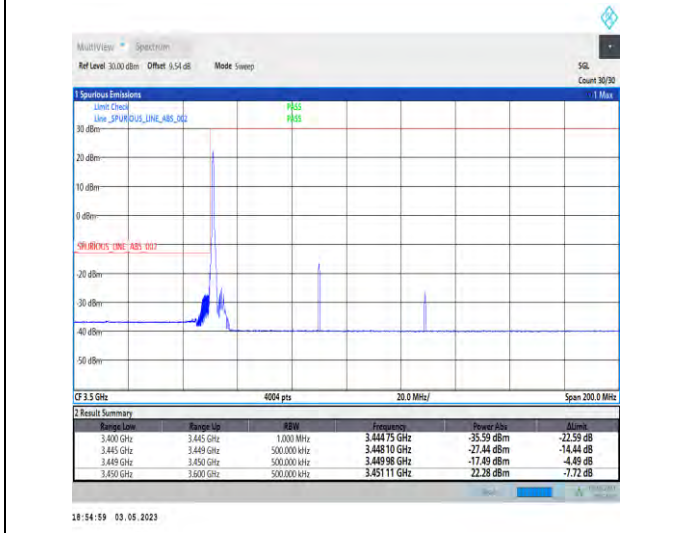
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1-N78-3450-3550-PC2-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



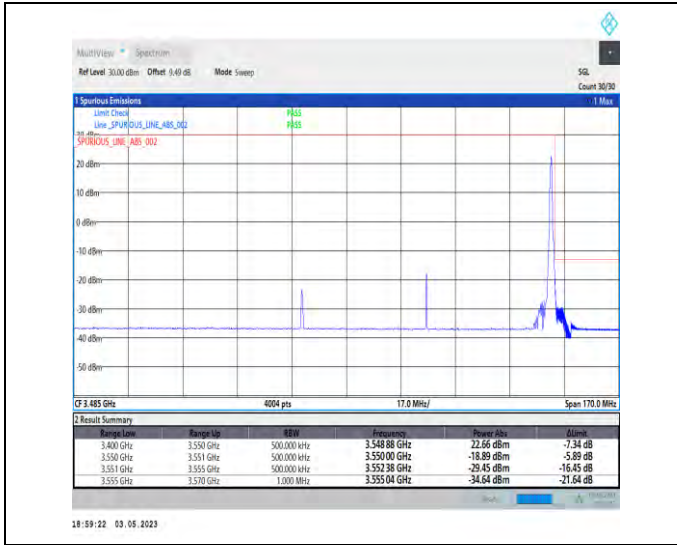
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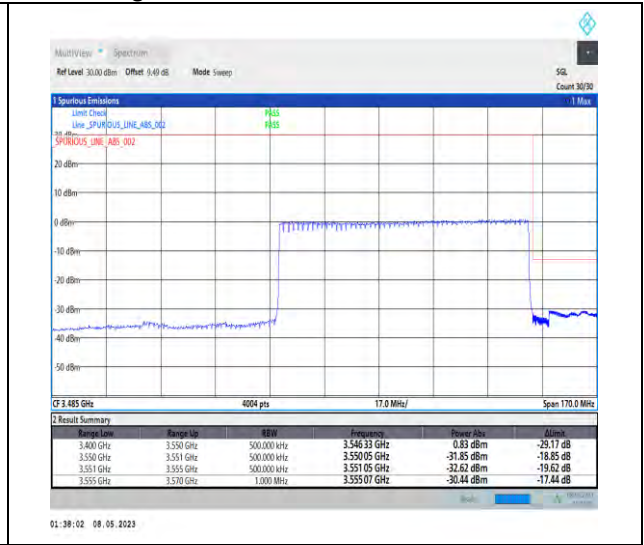


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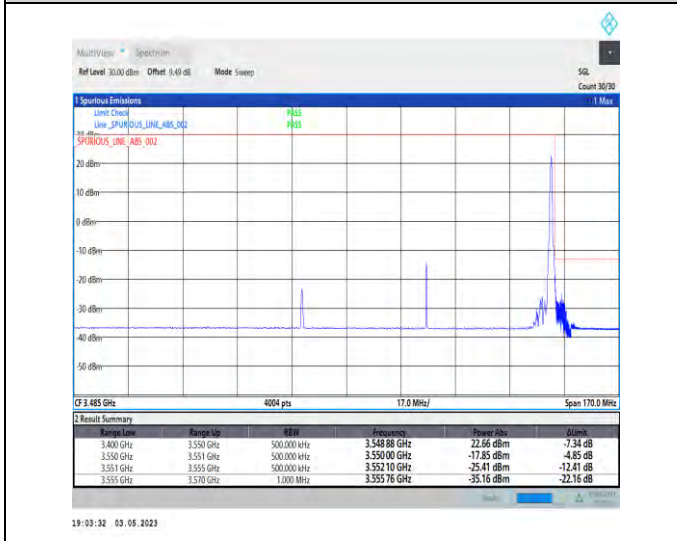
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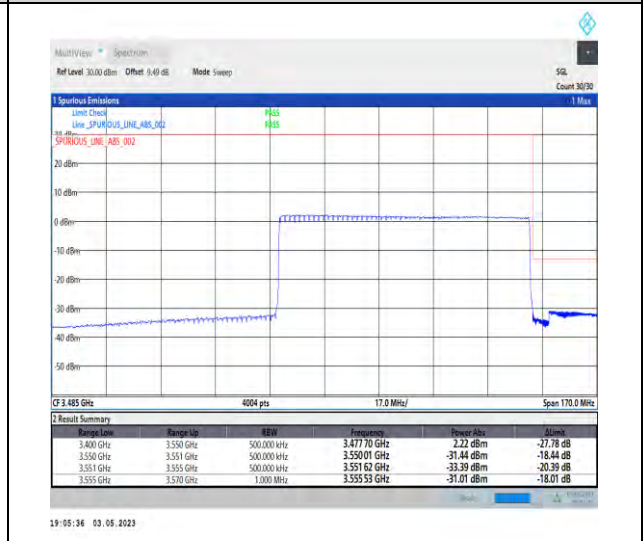
1-N78-3450-3550-PC2-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph

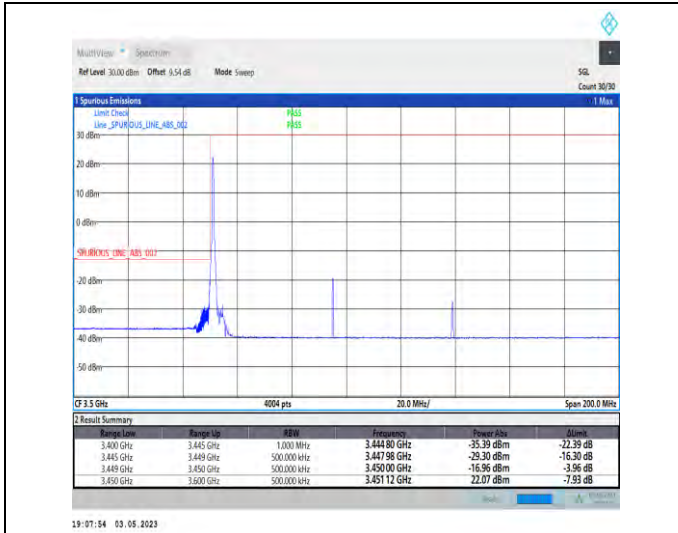


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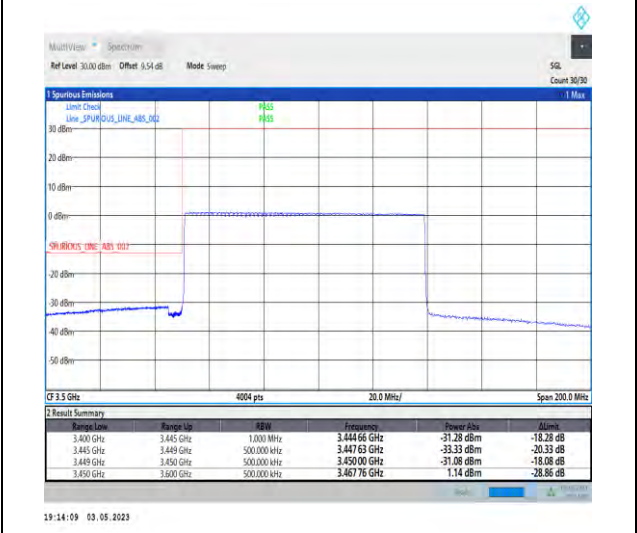
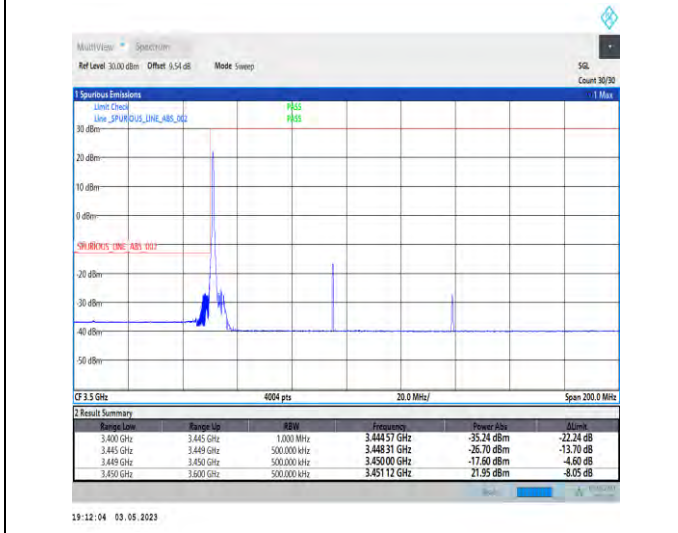
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1-N78-3450-3550-PC2-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-90-L-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

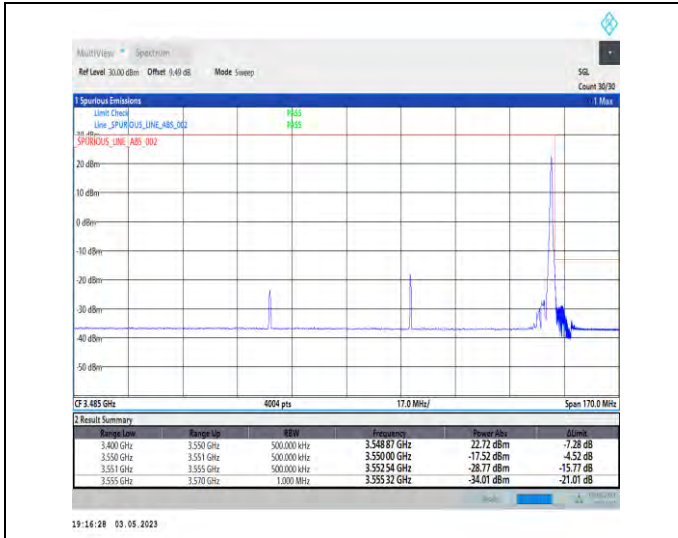
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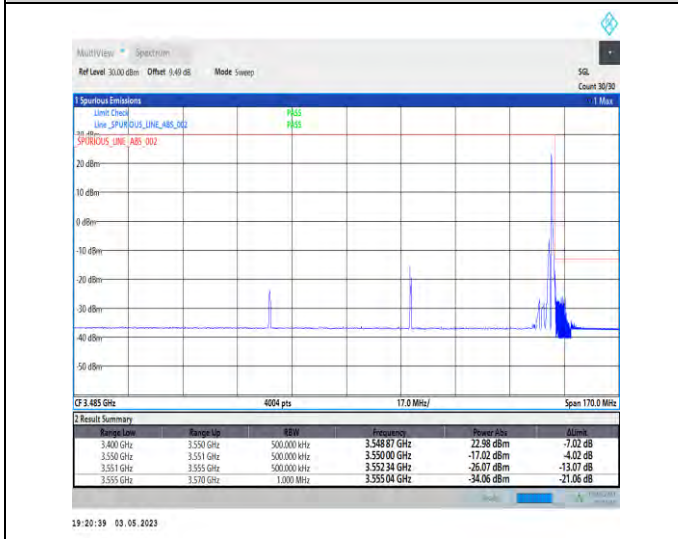
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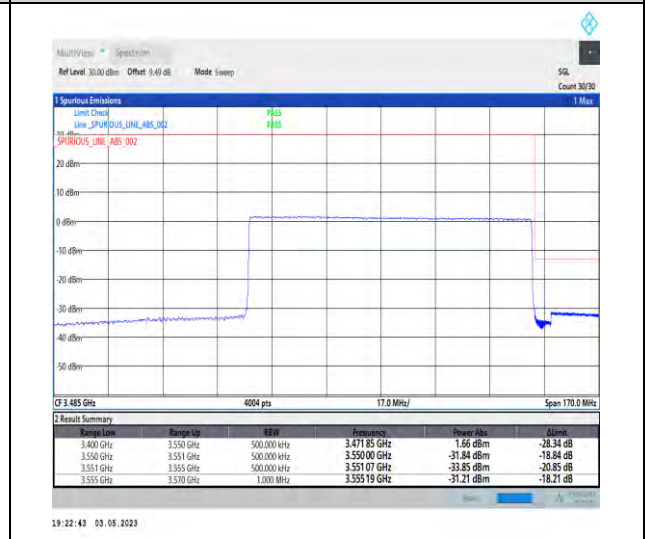
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1-N78-3450-3550-PC2-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph

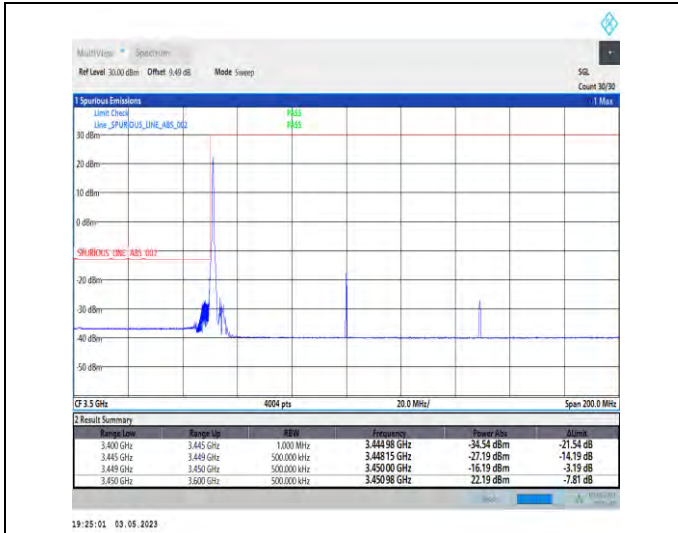


1-N78-3450-3550-PC2-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph



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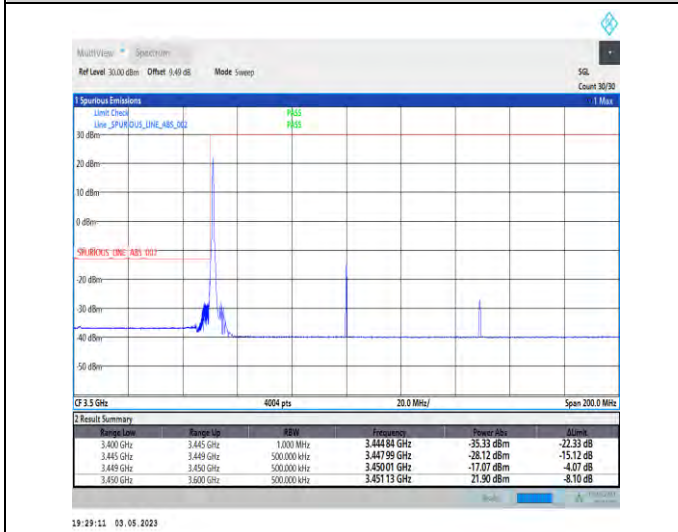
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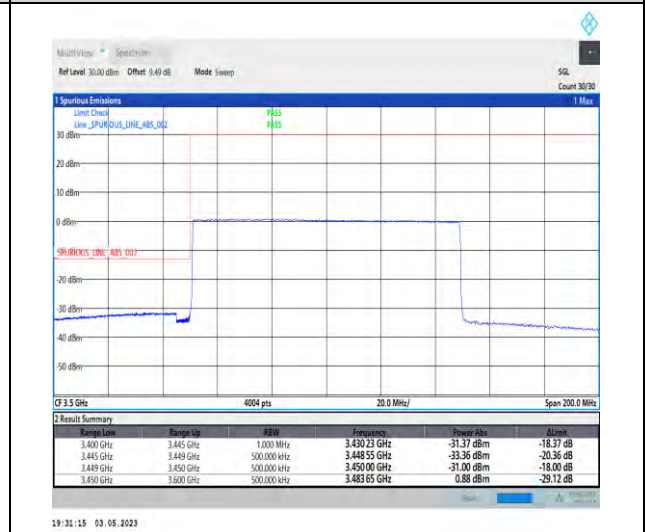
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1-N78-3450-3550-PC2-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-100-L-4-CP-QPSK-Edge_1_RB_Left-1@0-Ant1-1--PASS-see graph

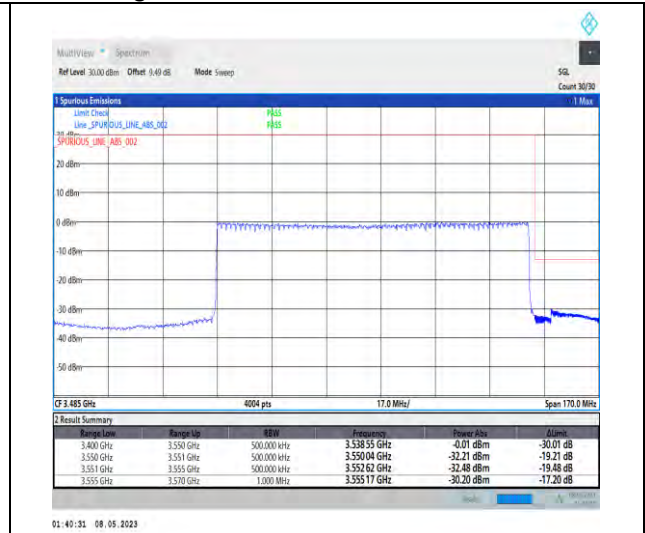
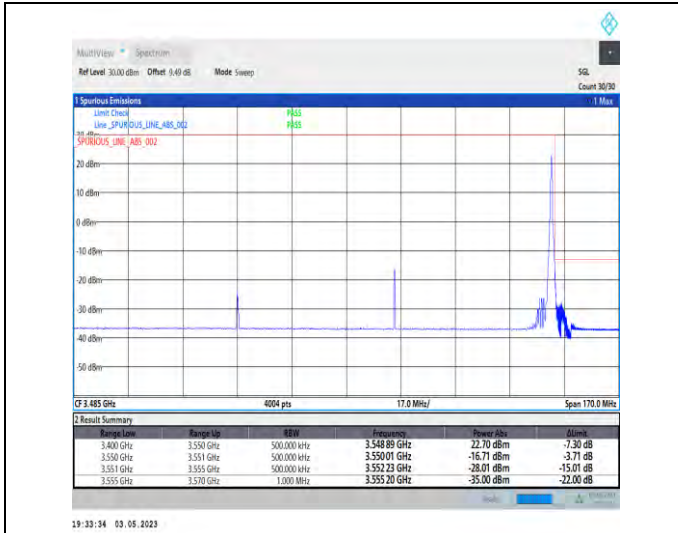


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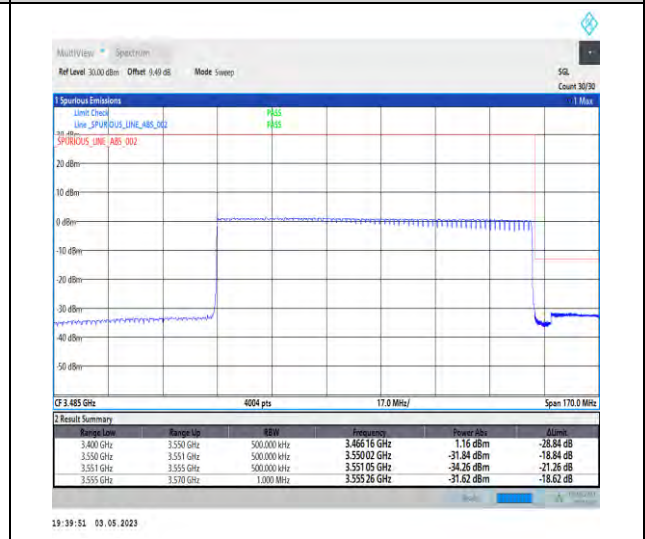
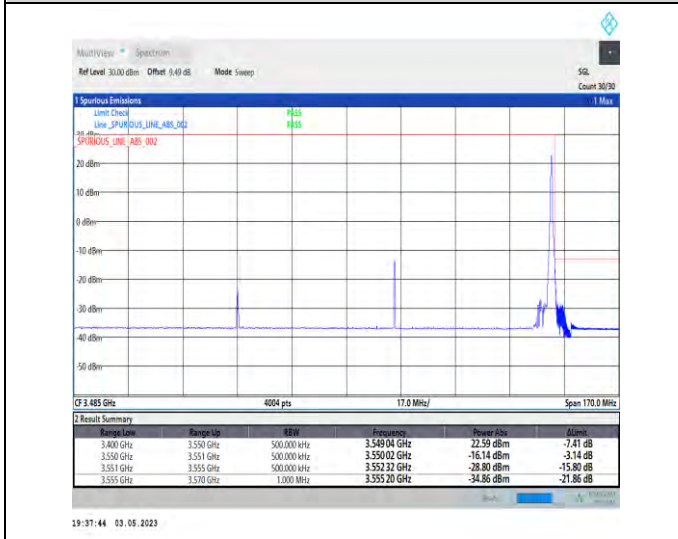
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1-N78-3450-3550-PC2-30-100-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC2-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph

1-N78-3450-3550-PC2-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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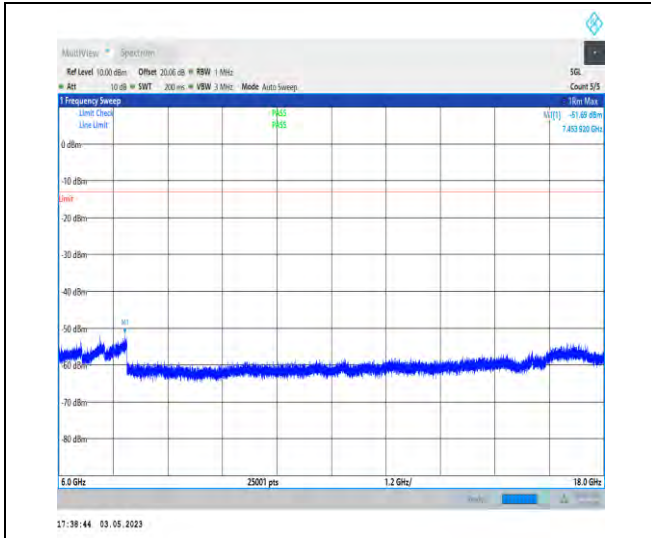
Test Graphs

<p>1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.03--79.44--43-PASS</p>	<p>1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.94--82.42--33-PASS</p>
<p>1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-35.34--64.48--13-PASS</p>	<p>1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant1-5469.50--38.25--13-PASS</p>

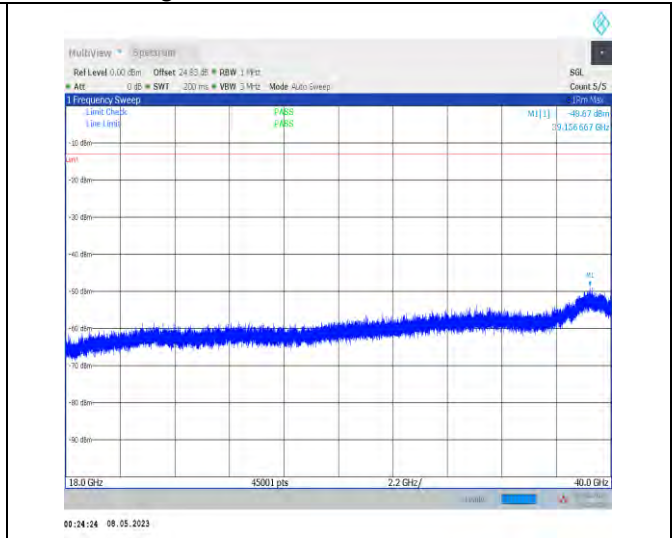


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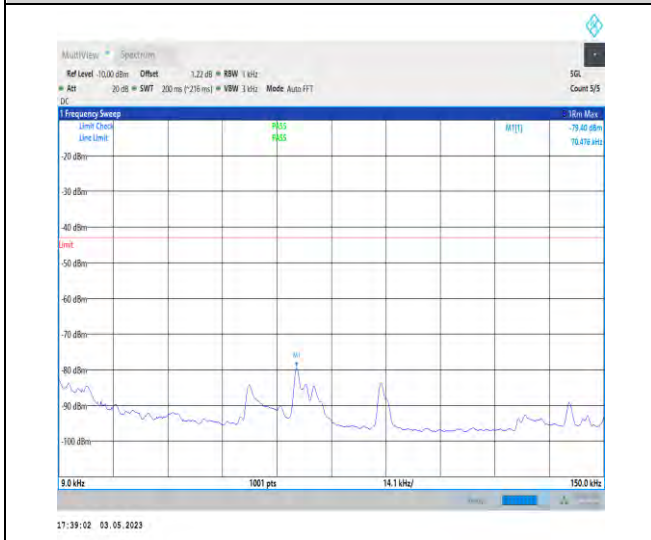
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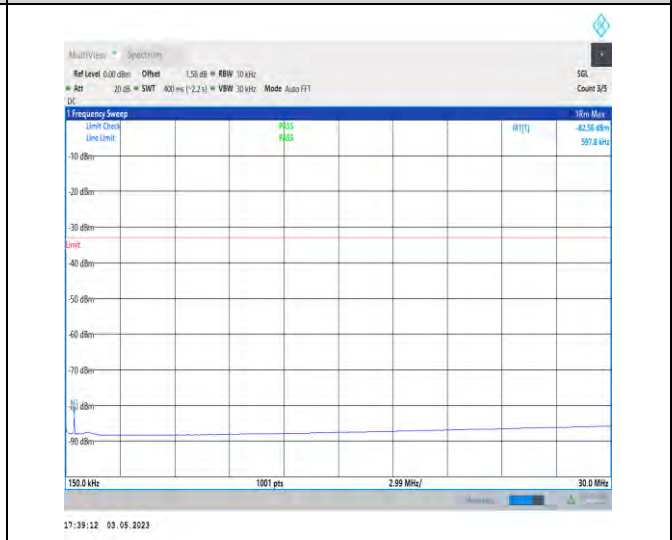
1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant1-6902.40--51.6-9--13-PASS



1-N78-3450-3550-PC2-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00--62.31--13-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.03--79.40--43-PASS

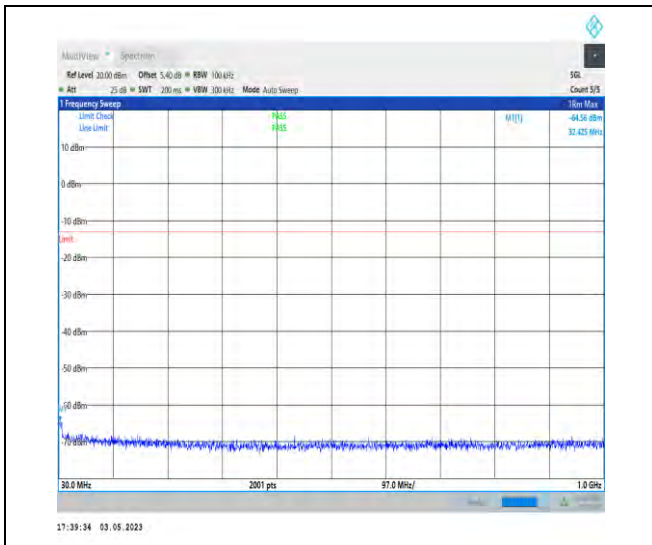


1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.91--82.56--33-PASS

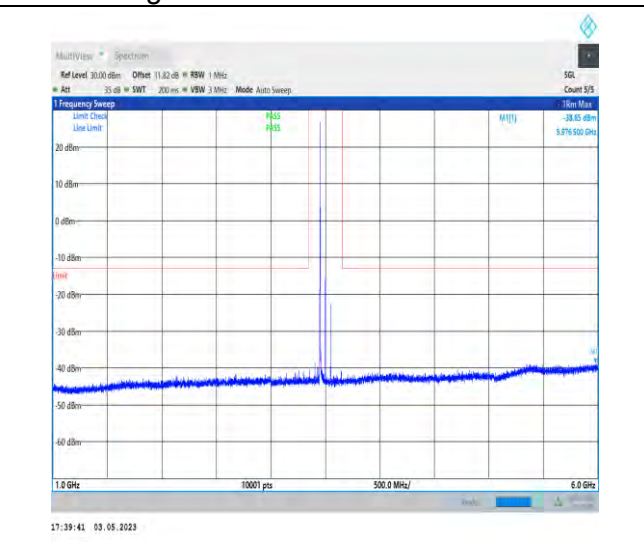


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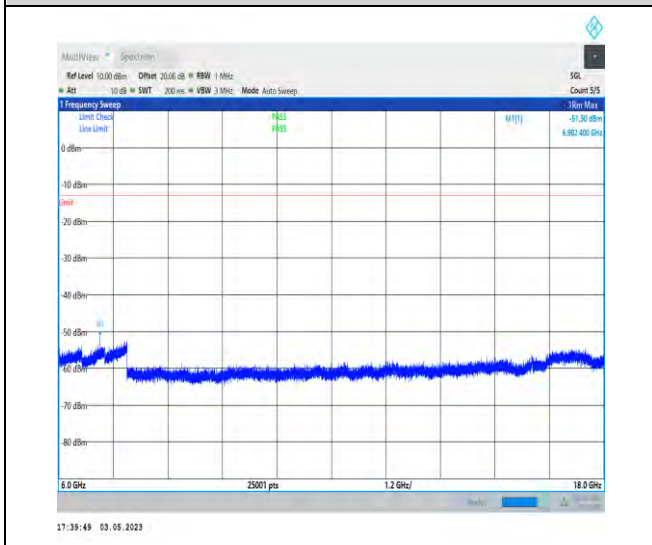
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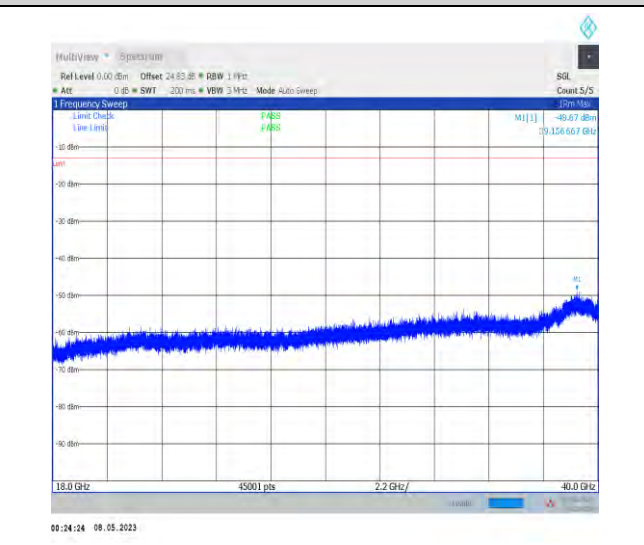
1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-
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 3-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-In
 ner_1RB_Left-1@1-1000-6000-Ant1-5930.50--38.85-
 -13-PASS



1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-I
 nner_1RB_Left-1@1-6000-18000-Ant1-6902.40--51.
 30--13-PASS

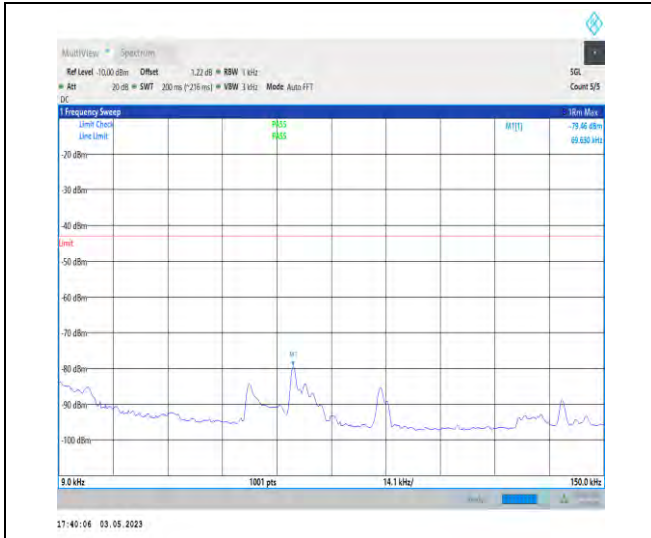


1-N78-3450-3550-PC2-30-100-M-1-DFT-PI2BPSK-In
 ner_1RB_Left-1@1-18000-40000-Ant1-18000.00--62
 .18--13-PASS

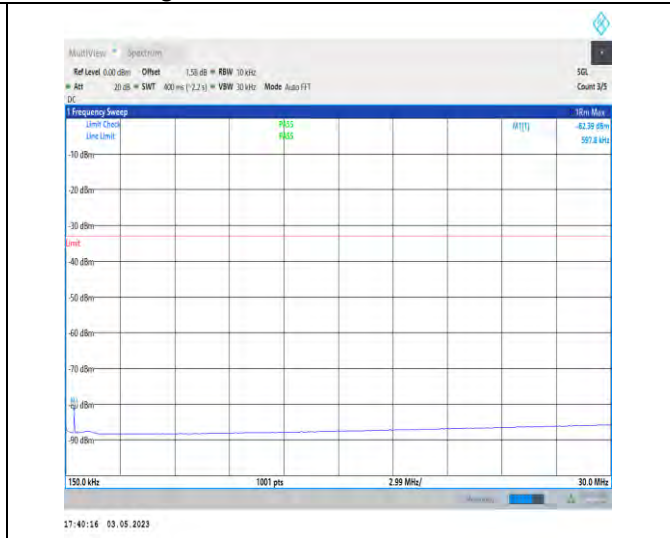


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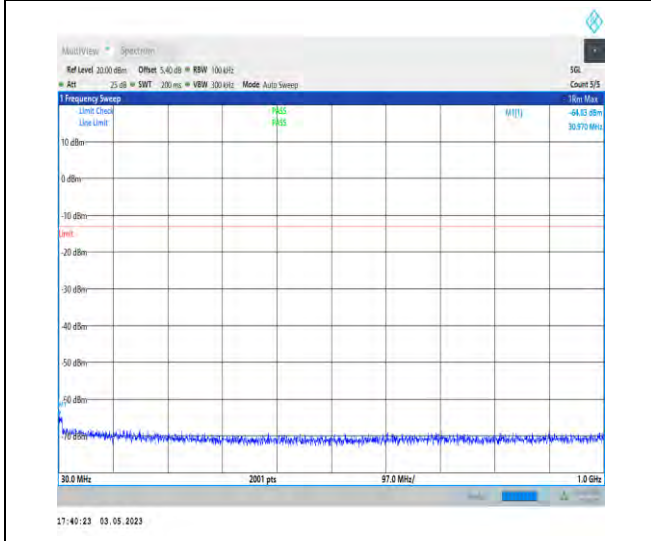
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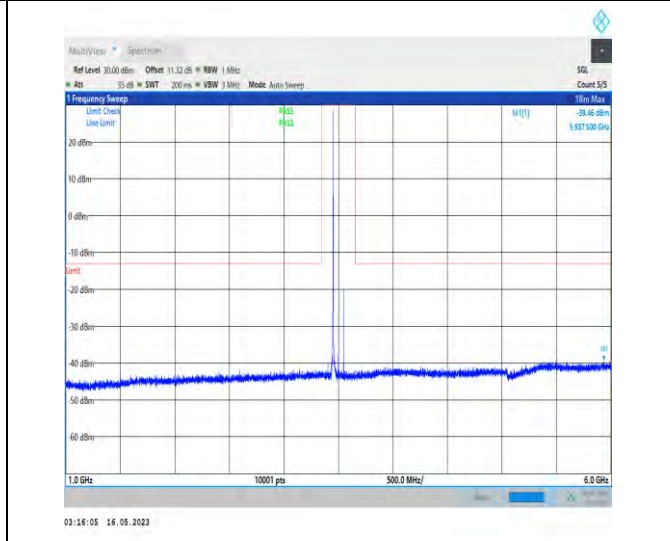
1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.03--79.46--43-PASS



1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.85--82.39--33-PASS



1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-35.34--64.83--13-PASS



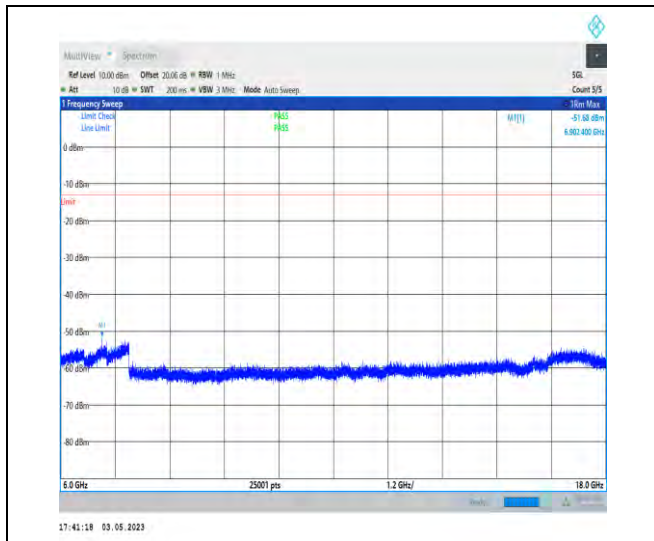
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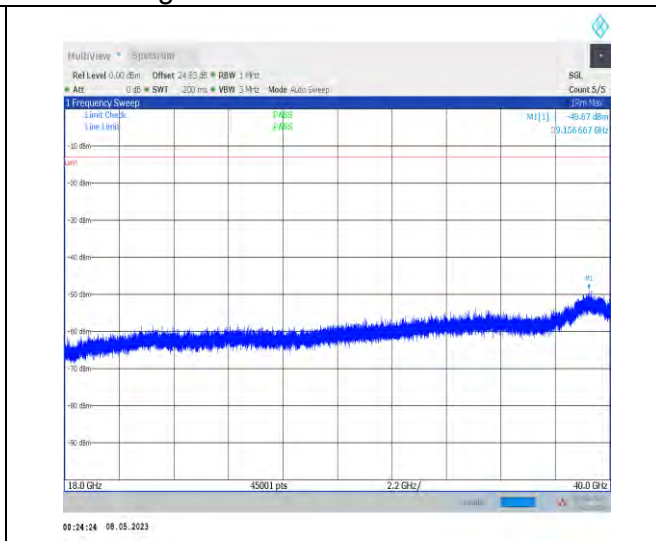
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1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-I
 nner_1RB_Left-1@1-6000-18000-Ant1-6902.88--51.
 68--13-PASS



1-N78-3450-3550-PC2-30-100-H-1-DFT-PI2BPSK-In
 ner_1RB_Left-1@1-18000-40000-Ant1-18000.00--62
 .15--13-PASS



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Field Strength of Spurious Radiation

Test Band = NR SA Band78_100MHz _ TM1

Test Channel = Mid 3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7500.5	50.79	-43.17	36.44	-51.20	-13.00	38.20	211	43	Horizontal
2	8587.825	38.79	-41.00	37.72	-59.75	-13.00	46.75	145	313	Horizontal
3	10361.125	34.53	-38.82	38.85	-60.70	-13.00	47.70	156	133	Horizontal
4	12794.525	30.68	-36.63	39.62	-61.59	-13.00	48.59	253	28	Horizontal
5	14447.075	28.84	-34.68	40.05	-61.05	-13.00	48.05	291	299	Horizontal
6	15868.475	28.71	-33.79	38.08	-62.26	-13.00	49.26	174	224	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7028.425	41.23	-43.18	36.15	-61.06	-13.00	48.06	100	91	Vertical
2	8955.825	37.88	-40.89	38.17	-60.09	-13.00	47.09	142	353	Vertical
3	11224.775	33.45	-36.76	39.11	-59.46	-13.00	46.46	153	360	Vertical
4	12835.925	30.73	-36.71	39.67	-61.57	-13.00	48.57	266	180	Vertical
5	14588.525	29.10	-35.22	39.95	-61.43	-13.00	48.43	251	226	Vertical
6	16868.975	30.30	-34.23	38.43	-60.76	-13.00	47.76	148	150	Vertical



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Test Band = NR SA Band78_100MHz_TM1

Test Channel = Mid 3450-3550 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	44.13	-43.05	36.46	-57.72	-13.00	44.72	214	44	Horizontal
2	8655.675	38.65	-41.14	37.84	-59.91	-13.00	46.91	136	209	Horizontal
3	10501.425	33.97	-38.75	38.96	-61.08	-13.00	48.08	122	118	Horizontal
4	12276.45	30.69	-36.75	39.11	-62.21	-13.00	49.21	203	14	Horizontal
5	13954.3	29.52	-35.14	40.10	-60.78	-13.00	47.78	165	299	Horizontal
6	15810.4	27.96	-33.17	38.18	-62.29	-13.00	49.29	199	316	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7042.225	41.36	-43.27	36.19	-60.98	-13.00	47.98	211	360	Vertical
2	8403.825	39.39	-41.39	37.34	-59.92	-13.00	46.92	145	352	Vertical
3	10078.8	34.65	-38.84	38.62	-60.84	-13.00	47.84	128	59	Vertical
4	11279.4	32.62	-37.10	39.11	-60.63	-13.00	47.63	184	352	Vertical
5	13607	30.60	-36.04	40.14	-60.55	-13.00	47.55	175	164	Vertical
6	14506.875	28.40	-34.31	40.01	-61.16	-13.00	48.16	126	330	Vertical



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Test Band = NR NSA 2A-n78A_TM1
 Test Channel = Mid 3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7018.075	41.15	-43.11	36.13	-61.09	-13.00	48.09	211	44	Horizontal
2	8932.825	37.98	-40.90	38.16	-60.02	-13.00	47.02	145	121	Horizontal
3	10364	34.48	-38.81	38.85	-60.74	-13.00	47.74	122	353	Horizontal
4	11247.2	32.33	-36.90	39.11	-60.72	-13.00	47.72	236	332	Horizontal
5	13451.175	29.41	-36.37	40.15	-62.07	-13.00	49.07	259	256	Horizontal
6	16865.525	30.45	-34.25	38.43	-60.64	-13.00	47.64	400	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	6797.275	41.83	-43.58	35.83	-61.17	-13.00	48.17	211	360	Vertical
2	8069.175	38.98	-41.58	37.03	-60.83	-13.00	47.83	158	105	Vertical
3	8760.325	38.28	-41.22	38.01	-60.18	-13.00	47.18	148	74	Vertical
4	10042	35.08	-39.09	38.56	-60.72	-13.00	47.72	172	359	Vertical
5	11338.05	32.42	-37.34	39.11	-61.07	-13.00	48.07	126	88	Vertical
6	13926.7	29.91	-35.36	40.07	-60.64	-13.00	47.64	155	360	Vertical



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Test Band = NR NSA 2A-n78A_TM1
 Test Channel = Mid 3450-3550 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7050.275	41.30	-43.33	36.21	-61.08	-13.00	48.08	254	151	Horizontal
2	8042.15	39.05	-41.80	37.02	-60.98	-13.00	47.98	126	359	Horizontal
3	10629.075	33.53	-37.86	39.08	-60.51	-13.00	47.51	135	45	Horizontal
4	13761.1	30.34	-36.15	40.00	-61.07	-13.00	48.07	188	76	Horizontal
5	13957.75	29.42	-35.11	40.10	-60.85	-13.00	47.85	192	242	Horizontal
6	16456.7	30.99	-34.53	37.84	-60.96	-13.00	47.96	205	242	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7517.75	47.83	-43.09	36.43	-54.09	-13.00	41.09	215	209	Vertical
2	9149.6	36.70	-40.18	38.30	-60.44	-13.00	47.44	148	195	Vertical
3	10629.075	33.16	-37.86	39.08	-60.88	-13.00	47.88	174	359	Vertical
4	11255.25	32.57	-36.95	39.11	-60.53	-13.00	47.53	185	360	Vertical
5	13705.9	30.45	-36.01	40.05	-60.77	-13.00	47.77	153	178	Vertical
6	15313.6	28.21	-33.94	38.81	-62.18	-13.00	49.18	261	330	Vertical



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Test Band = NR NSA 5A-n78A_TM1
Test Channel = Mid 3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7474.05	49.70	-43.07	36.45	-52.18	-13.00	39.18	126	43	Horizontal
2	8999.525	37.99	-40.87	38.20	-59.94	-13.00	46.94	155	13	Horizontal
3	11251.8	32.37	-36.93	39.11	-60.71	-13.00	47.71	148	342	Horizontal
4	12833.05	30.52	-36.70	39.66	-61.78	-13.00	48.78	111	43	Horizontal
5	13974.425	29.02	-34.98	40.12	-61.11	-13.00	48.11	216	360	Horizontal
6	16854.025	30.50	-34.33	38.42	-60.67	-13.00	47.67	148	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	7027.85	40.80	-43.18	36.15	-61.48	-13.00	48.48	214	59	Vertical
2	9057.6	37.42	-40.61	38.24	-60.20	-13.00	47.20	174	118	Vertical
3	10710.15	32.68	-37.59	39.15	-61.02	-13.00	48.02	158	357	Vertical
4	12210.9	30.92	-37.06	39.13	-62.27	-13.00	49.27	186	29	Vertical
5	13719.125	30.23	-36.04	40.04	-61.03	-13.00	48.03	136	240	Vertical
6	15147.425	29.59	-34.14	39.02	-60.79	-13.00	47.79	256	164	Vertical



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Test Band = NR NSA 5A-n78A_TM1
Test Channel = Mid 3450-3550 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7230.825	40.87	-43.52	36.58	-61.33	-13.00	48.33	148	165	Horizontal
2	8018	39.50	-41.99	37.02	-60.73	-13.00	47.73	158	344	Horizontal
3	8945.475	38.30	-40.89	38.17	-59.68	-13.00	46.68	169	344	Horizontal
4	10343.3	34.58	-38.86	38.85	-60.70	-13.00	47.70	154	239	Horizontal
5	11457.075	32.19	-36.94	39.05	-60.96	-13.00	47.96	128	4	Horizontal
6	13966.375	29.40	-35.05	40.11	-60.80	-13.00	47.80	136	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	7513.725	47.40	-43.11	36.43	-54.54	-13.00	41.54	214	122	Vertical
2	8426.25	39.74	-41.48	37.39	-59.62	-13.00	46.62	158	167	Vertical
3	9611.325	36.16	-39.23	38.43	-59.90	-13.00	46.90	175	44	Vertical
4	11172.45	31.99	-36.92	39.10	-61.08	-13.00	48.08	142	318	Vertical
5	12288.525	30.81	-36.69	39.10	-62.04	-13.00	49.04	136	122	Vertical
6	14493.075	28.71	-34.29	40.01	-60.82	-13.00	47.82	126	167	Vertical



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 Rev.: 01
 Page: 111 of 121

Test Band = NR NSA 7A-n78A_TM1
 Test Channel = Mid 3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7015.775	41.37	-43.10	36.12	-60.86	-13.00	47.86	254	195	Horizontal
2	8419.35	40.42	-41.45	37.37	-58.92	-13.00	45.92	163	180	Horizontal
3	9602.125	36.92	-39.21	38.44	-59.11	-13.00	46.11	251	256	Horizontal
4	11216.725	34.64	-36.71	39.11	-58.22	-13.00	45.22	148	226	Horizontal
5	12838.8	32.57	-36.72	39.67	-59.74	-13.00	46.74	175	284	Horizontal
6	16481.425	33.37	-34.39	37.89	-58.39	-13.00	45.39	126	59	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7746.025	40.74	-42.78	36.67	-60.62	-13.00	47.62	254	74	Vertical
2	9197.9	37.49	-39.96	38.34	-59.39	-13.00	46.39	142	242	Vertical
3	10346.175	35.98	-38.85	38.85	-59.29	-13.00	46.29	156	4	Vertical
4	12093.6	32.63	-37.19	39.04	-60.77	-13.00	47.77	126	210	Vertical
5	13603.55	32.34	-36.04	40.15	-58.81	-13.00	45.81	135	331	Vertical
6	15147.425	32.11	-34.14	39.02	-58.27	-13.00	45.27	188	360	Vertical



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Test Band = NR NSA 7A-n78A_TM1
Test Channel = Mid 3450-3550 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6993.925	41.33	-43.05	36.07	-60.90	-13.00	47.90	155	239	Horizontal
2	8290.55	40.01	-41.90	37.19	-59.95	-13.00	46.95	142	343	Horizontal
3	9258.85	37.53	-40.02	38.38	-59.37	-13.00	46.37	169	179	Horizontal
4	10705.55	34.55	-37.54	39.14	-59.11	-13.00	46.11	185	313	Horizontal
5	12363.275	33.09	-36.86	39.08	-59.95	-13.00	46.95	166	3	Horizontal
6	14383.25	32.05	-35.21	40.09	-58.33	-13.00	45.33	177	208	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8031.225	39.85	-41.88	37.02	-60.27	-13.00	47.27	215	210	Vertical
2	9595.225	36.72	-39.24	38.44	-59.34	-13.00	46.34	145	134	Vertical
3	10021.875	36.53	-39.23	38.53	-59.44	-13.00	46.44	165	314	Vertical
4	11295.5	33.80	-37.20	39.11	-59.55	-13.00	46.55	128	240	Vertical
5	13688.65	32.53	-36.00	40.07	-58.66	-13.00	45.66	174	269	Vertical
6	15147.425	32.12	-34.14	39.02	-58.26	-13.00	45.26	180	359	Vertical



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Test Band = NR NSA 26A-n78A_ TM1

Test Channel = Mid 3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7387.225	41.18	-42.86	36.50	-60.44	-13.00	47.44	255	352	Horizontal
2	8410.15	39.85	-41.41	37.35	-59.47	-13.00	46.47	142	359	Horizontal
3	9597.525	36.73	-39.22	38.44	-59.31	-13.00	46.31	136	239	Horizontal
4	11216.725	34.11	-36.71	39.11	-58.75	-13.00	45.75	259	300	Horizontal
5	12842.825	32.62	-36.73	39.67	-59.69	-13.00	46.69	188	225	Horizontal
6	14443.05	31.42	-34.71	40.05	-58.50	-13.00	45.50	140	194	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7391.25	40.91	-42.84	36.49	-60.69	-13.00	47.69	155	4	Vertical
2	8410.725	39.81	-41.42	37.35	-59.51	-13.00	46.51	142	90	Vertical
3	8782.75	39.05	-41.17	38.05	-59.33	-13.00	46.33	188	358	Vertical
4	10014.975	36.24	-39.28	38.51	-59.78	-13.00	46.78	174	28	Vertical
5	11587.025	32.56	-36.92	38.90	-60.71	-13.00	47.71	186	103	Vertical
6	14310.225	32.28	-35.78	40.15	-58.61	-13.00	45.61	266	90	Vertical



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Test Band = NR NSA 26A-n78A_ TM1

Test Channel = Mid 3450-3550 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7395.85	40.93	-42.81	36.49	-60.65	-13.00	47.65	211	342	Horizontal
2	9258.275	37.71	-40.02	38.38	-59.19	-13.00	46.19	145	74	Horizontal
3	10369.75	35.53	-38.80	38.85	-59.67	-13.00	46.67	166	117	Horizontal
4	11525.5	32.86	-36.63	38.97	-60.06	-13.00	47.06	258	269	Horizontal
5	13340.775	32.27	-36.63	40.08	-59.54	-13.00	46.54	192	253	Horizontal
6	15312.45	31.08	-33.94	38.82	-59.30	-13.00	46.30	140	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	7394.125	41.10	-42.82	36.49	-60.49	-13.00	47.49	233	209	Vertical
2	9255.975	37.73	-40.02	38.38	-59.17	-13.00	46.17	142	60	Vertical
3	10683.125	34.63	-37.58	39.13	-59.08	-13.00	46.08	122	103	Vertical
4	12260.35	33.15	-36.83	39.11	-59.82	-13.00	46.82	256	178	Vertical
5	14444.775	31.39	-34.70	40.05	-58.52	-13.00	45.52	199	283	Vertical
6	17155.325	33.50	-34.32	38.59	-57.49	-13.00	44.49	148	195	Vertical



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Test Band = NR NSA 38A-n78A_ TM1

Test Channel = Mid 3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7044.525	41.31	-43.29	36.20	-61.04	-13.00	48.04	211	60	Horizontal
2	8674.65	38.69	-41.23	37.87	-59.92	-13.00	46.92	145	120	Horizontal
3	9594.65	36.06	-39.24	38.44	-60.00	-13.00	47.00	126	343	Horizontal
4	11452.475	31.95	-36.99	39.05	-61.24	-13.00	48.24	281	209	Horizontal
5	13601.25	29.64	-36.04	40.15	-61.51	-13.00	48.51	147	240	Horizontal
6	15146.85	29.21	-34.14	39.02	-61.17	-13.00	48.17	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	7383.775	40.95	-42.88	36.50	-60.69	-13.00	47.69	254	360	Vertical
2	9595.225	36.14	-39.24	38.44	-59.92	-13.00	46.92	142	104	Vertical
3	11231.1	33.00	-36.80	39.11	-59.95	-13.00	46.95	148	316	Vertical
4	13928.425	29.19	-35.35	40.08	-61.34	-13.00	48.34	174	166	Vertical
5	13928.425	29.19	-35.35	40.08	-61.34	-13.00	48.34	185	166	Vertical
6	16513.625	30.41	-34.31	37.95	-61.21	-13.00	48.21	153	135	Vertical



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Test Band = NR NSA 38A-n78A_ TM1
Test Channel = Mid 3450-3550 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7148.6	41.05	-43.64	36.47	-61.38	-13.00	48.38	211	120	Horizontal
2	8406.125	39.28	-41.40	37.34	-60.03	-13.00	47.03	126	326	Horizontal
3	10095.475	34.46	-38.73	38.64	-60.89	-13.00	47.89	154	312	Horizontal
4	12219.525	30.80	-37.02	39.12	-62.35	-13.00	49.35	125	179	Horizontal
5	13969.25	29.20	-35.02	40.11	-60.97	-13.00	47.97	153	3	Horizontal
6	15147.425	29.42	-34.14	39.02	-60.96	-13.00	47.96	291	252	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7042.8	41.17	-43.28	36.19	-61.18	-13.00	48.18	255	356	Vertical
2	7740.85	40.70	-42.80	36.66	-60.69	-13.00	47.69	142	57	Vertical
3	9124.875	37.25	-40.30	38.29	-60.02	-13.00	47.02	126	3	Vertical
4	10116.175	34.25	-38.79	38.68	-61.13	-13.00	48.13	133	298	Vertical
5	12854.325	30.48	-36.76	39.68	-61.85	-13.00	48.85	256	360	Vertical
6	14324.6	29.74	-35.67	40.14	-61.05	-13.00	48.05	122	351	Vertical



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Test Band = NR NSA 41A-n78A_ TM1

Test Channel = Mid 3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7160.1	40.86	-43.63	36.50	-61.53	-13.00	48.53	154	271	Horizontal
2	8500.425	39.45	-41.80	37.54	-60.07	-13.00	47.07	128	239	Horizontal
3	10108.7	34.24	-38.75	38.66	-61.11	-13.00	48.11	184	331	Horizontal
4	11214.425	32.07	-36.69	39.11	-60.77	-13.00	47.77	175	352	Horizontal
5	12091.3	30.35	-37.19	39.04	-63.06	-13.00	50.06	166	134	Horizontal
6	15147.425	29.20	-34.14	39.02	-61.18	-13.00	48.18	258	196	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7120.425	41.18	-43.65	36.39	-61.34	-13.00	48.34	211	254	Vertical
2	8403.25	39.97	-41.38	37.34	-59.34	-13.00	46.34	126	360	Vertical
3	9563.025	35.99	-39.48	38.45	-60.30	-13.00	47.30	135	254	Vertical
4	10690.025	33.07	-37.54	39.13	-60.60	-13.00	47.60	148	352	Vertical
5	12822.7	30.25	-36.68	39.65	-62.03	-13.00	49.03	175	165	Vertical
6	14489.625	27.99	-34.32	40.02	-61.57	-13.00	48.57	196	225	Vertical



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Test Band = NR NSA 41A-n78A_ TM1

Test Channel = Mid 3450-3550 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7063.5	41.17	-43.42	36.25	-61.26	-13.00	48.26	155	284	Horizontal
2	9011.6	38.25	-40.82	38.21	-59.62	-13.00	46.62	148	360	Horizontal
3	10111.575	34.13	-38.77	38.67	-61.23	-13.00	48.23	172	88	Horizontal
4	11446.725	32.06	-37.04	39.06	-61.18	-13.00	48.18	126	104	Horizontal
5	13606.425	29.72	-36.04	40.14	-61.43	-13.00	48.43	299	254	Horizontal
6	15816.725	28.31	-33.24	38.17	-62.02	-13.00	49.02	184	74	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7072.7	41.45	-43.48	36.27	-61.02	-13.00	48.02	255	120	Vertical
2	8649.35	38.54	-41.11	37.83	-60.00	-13.00	47.00	142	255	Vertical
3	10161.025	34.53	-39.05	38.75	-61.04	-13.00	48.04	126	28	Vertical
4	11149.45	32.73	-37.18	39.10	-60.61	-13.00	47.61	158	283	Vertical
5	12221.25	30.81	-37.01	39.12	-62.34	-13.00	49.34	199	28	Vertical
6	13847.35	30.36	-35.93	40.00	-60.83	-13.00	47.83	180	314	Vertical



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Test Band = NR NSA 66A-n78A_ TM1

Test Channel = Mid 3450-3550 ANT3

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7781.1	40.31	-42.65	36.74	-60.86	-13.00	47.86	211	75	Horizontal
2	9270.35	37.80	-40.03	38.39	-59.10	-13.00	46.10	142	121	Horizontal
3	10039.125	36.37	-39.11	38.55	-59.45	-13.00	46.45	136	301	Horizontal
4	11550.8	33.07	-36.75	38.94	-59.99	-13.00	46.99	251	104	Horizontal
5	14495.375	31.23	-34.27	40.01	-58.29	-13.00	45.29	156	210	Horizontal
6	15800.625	30.54	-33.07	38.20	-59.59	-13.00	46.59	199	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	7740.275	41.19	-42.80	36.66	-60.21	-13.00	47.21	145	255	Vertical
2	9262.875	37.45	-40.03	38.39	-59.45	-13.00	46.45	188	74	Vertical
3	10366.875	35.82	-38.80	38.85	-59.39	-13.00	46.39	192	163	Vertical
4	12229.875	33.07	-36.97	39.12	-60.04	-13.00	47.04	144	74	Vertical
5	13974.425	31.84	-34.98	40.12	-58.29	-13.00	45.29	175	195	Vertical
6	16505	33.65	-34.29	37.94	-57.97	-13.00	44.97	165	117	Vertical



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Test Band = NR NSA 66A-n78A_ TM1

Test Channel = Mid 3450-3550 ANT5

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7745.45	40.68	-42.78	36.67	-60.69	-13.00	47.69	254	179	Horizontal
2	8848.875	38.70	-41.03	38.11	-59.48	-13.00	46.48	188	269	Horizontal
3	9604.425	36.42	-39.21	38.44	-59.62	-13.00	46.62	156	352	Horizontal
4	10703.25	34.74	-37.52	39.14	-58.90	-13.00	45.90	129	314	Horizontal
5	12284.5	33.00	-36.71	39.10	-59.87	-13.00	46.87	184	88	Horizontal
6	14506.3	31.47	-34.30	40.01	-58.08	-13.00	45.08	172	3	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6717.925	42.04	-43.51	35.68	-61.06	-13.00	48.06	211	226	Vertical
2	8379.1	40.33	-41.47	37.30	-59.10	-13.00	46.10	126	256	Vertical
3	9421.575	37.57	-39.93	38.48	-59.13	-13.00	46.13	154	357	Vertical
4	11141.4	34.56	-37.27	39.10	-58.88	-13.00	45.88	136	256	Vertical
5	13343.65	32.08	-36.61	40.09	-59.70	-13.00	46.70	256	301	Vertical
6	16985.7	32.85	-33.75	38.49	-57.67	-13.00	44.67	144	301	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
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	VH	NT	10.400000	0.002971	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	VN	NT	-3.000000	-0.000857	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	VL	NT	-0.600000	-0.000171	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	VH	NT	3.400000	0.000971	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	VN	NT	-8.700000	-0.002486	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	VL	NT	-7.000000	-0.002000	PASS

Frequency Error VS. Temperature

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	-30	-1.600000	-0.000654	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	-20	-1.500000	-0.000236	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	-10	-9.400000	-0.002571	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	0	12.400000	0.003543	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	10	-9.200000	-0.002629	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	20	6.500000	0.001857	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	30	-0.100000	-0.000029	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	40	0.500000	0.000143	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer Full	NV	50	5.900000	0.001686	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	-30	2.200000	0.000629	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	-20	3.400000	0.000971	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	-10	2.700000	0.000771	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	0	-6.500000	-0.001857	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	10	6.700000	0.001914	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	20	-3.500000	-0.001000	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	30	-2.100000	-0.000600	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	40	2.700000	0.000771	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer Full	NV	50	8.500000	0.002429	PASS

---End of Attachment---



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