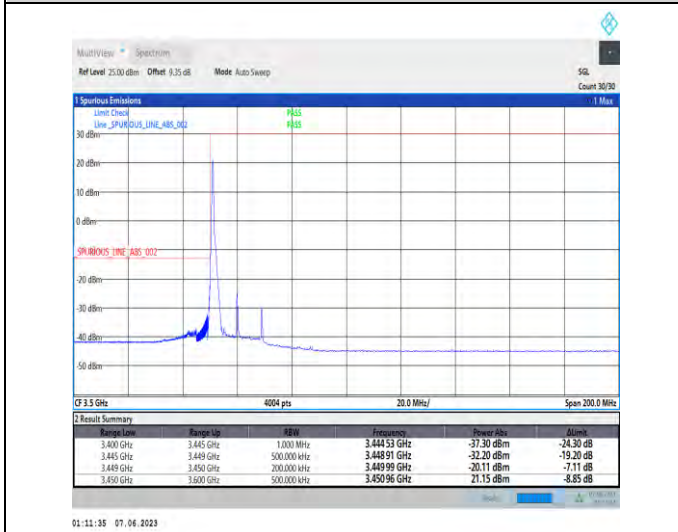


1-N78-3450-3550-PC3-30-20-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC3-30-20-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC3-30-20-L-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

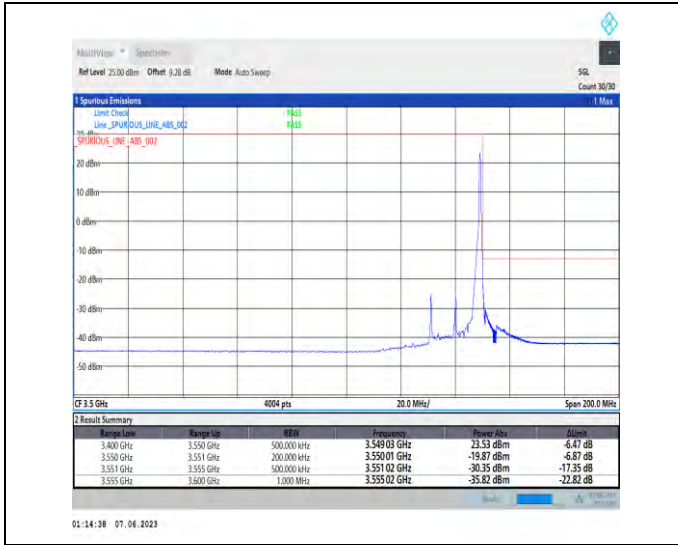


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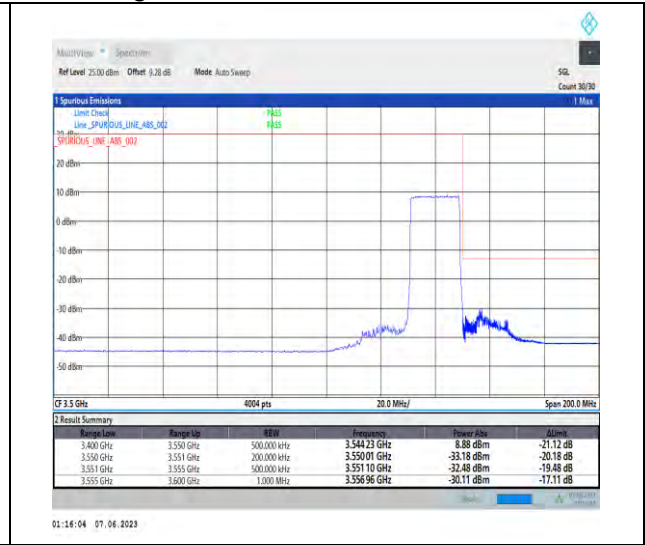
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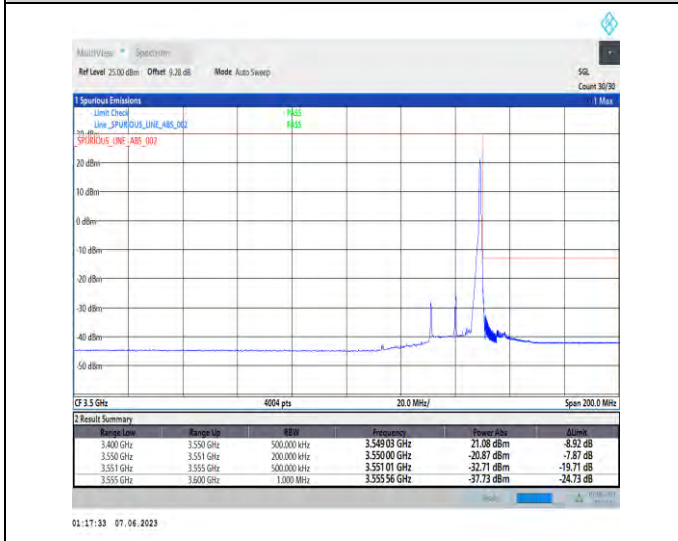
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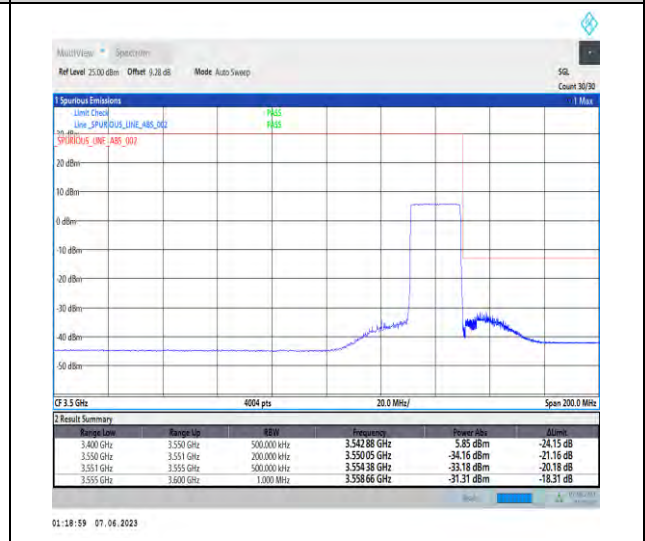
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1-N78-3450-3550-PC3-30-20-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-20-H-5-CP-QPSK-Edge_1RB_Right-1@50-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-20-H-6-CP-QPSK-Outer_Full-51@0-Ant1-1--PASS-see graph

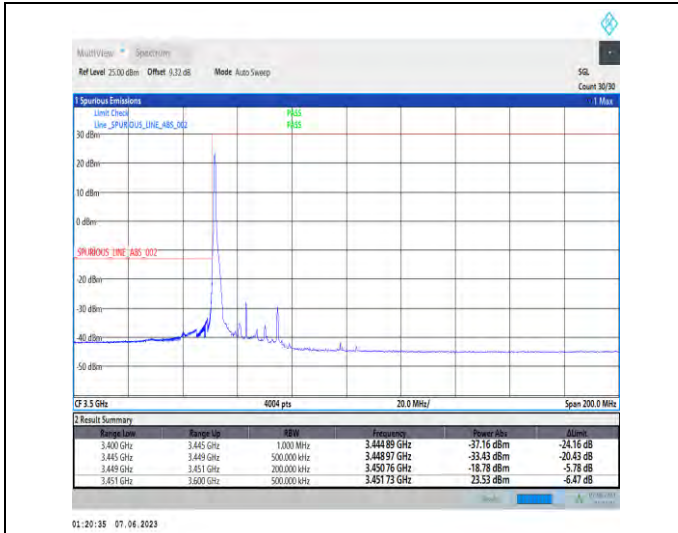


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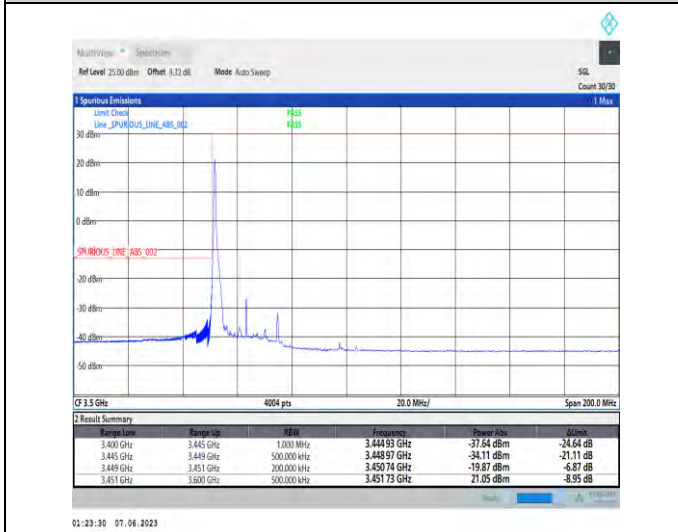
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1-N78-3450-3550-PC3-30-25-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC3-30-25-L-3-DFT-PI2BPSK-Outer_Full-64@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC3-30-25-L-6-CP-QPSK-Outer_Full-65@0-Ant1-1--PASS-see graph

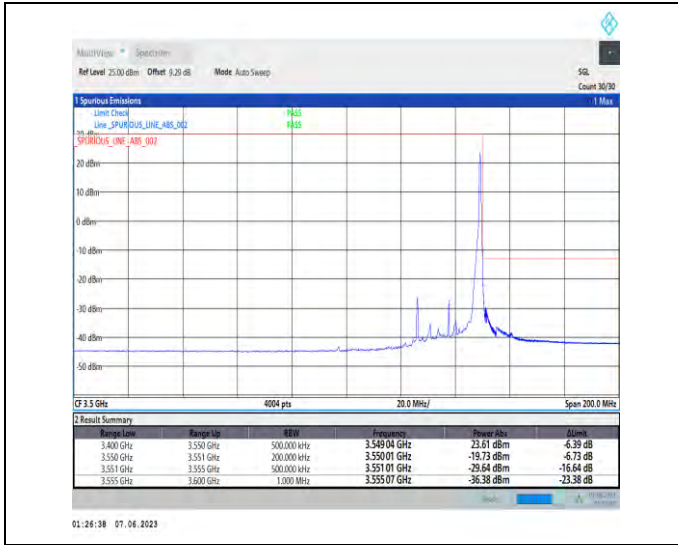


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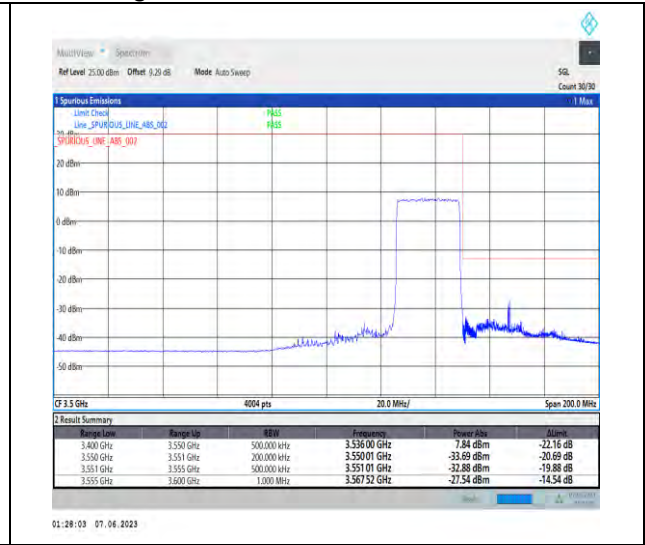
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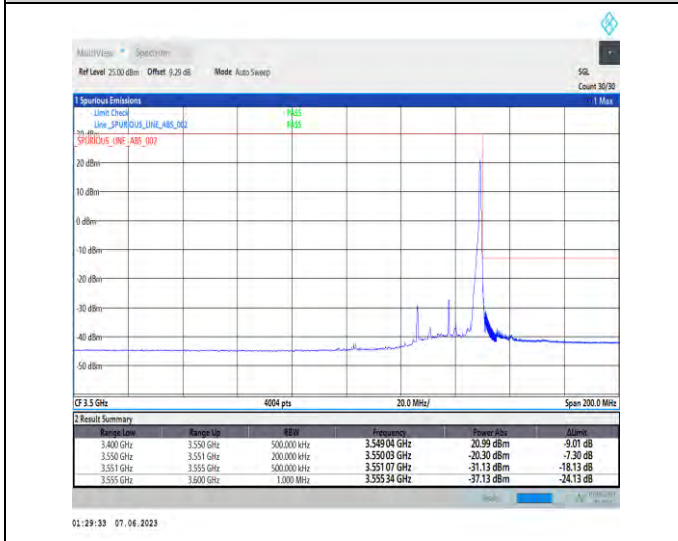
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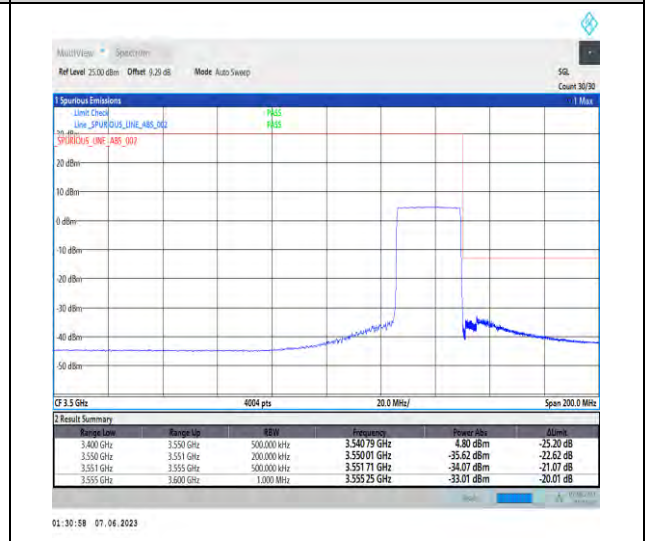
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1-N78-3450-3550-PC3-30-25-H-5-CP-QPSK-Edge_1RB_Right-1@64-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-25-H-6-CP-QPSK-Outer_Full-65@0-Ant1-1--PASS-see graph

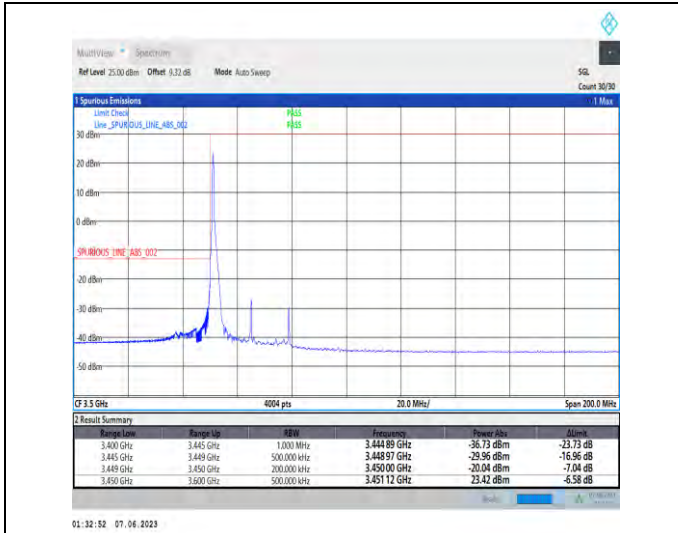


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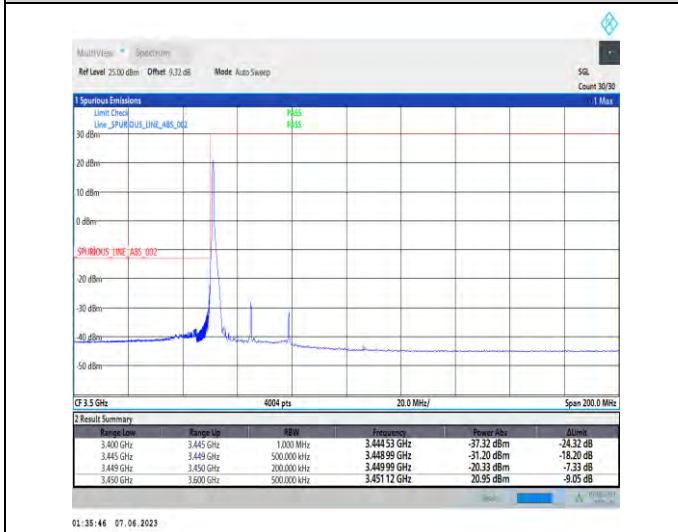
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1-N78-3450-3550-PC3-30-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-30-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-30-L-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph

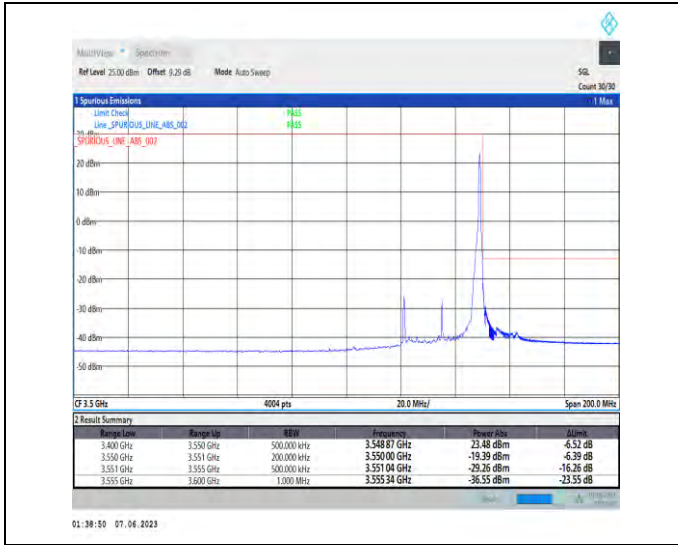


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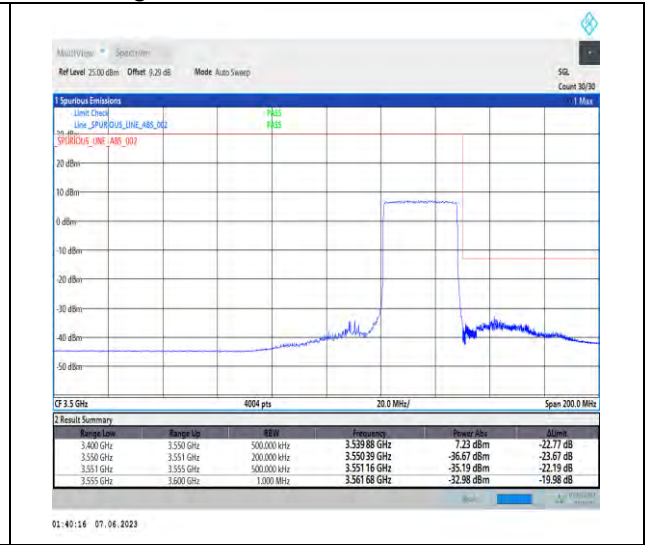
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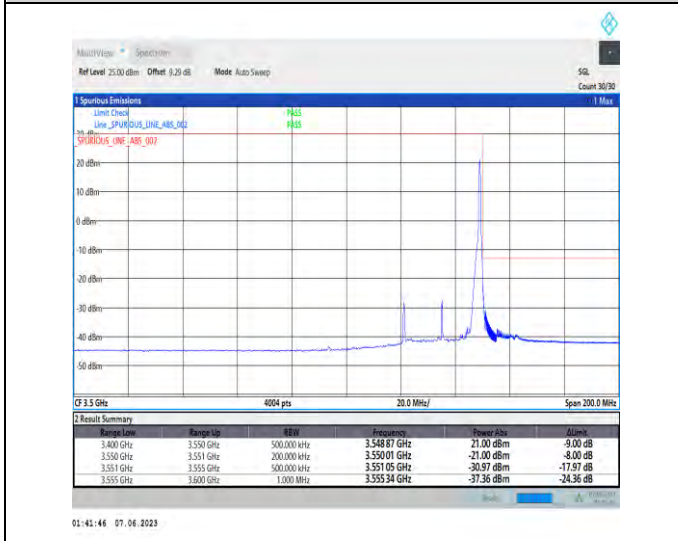
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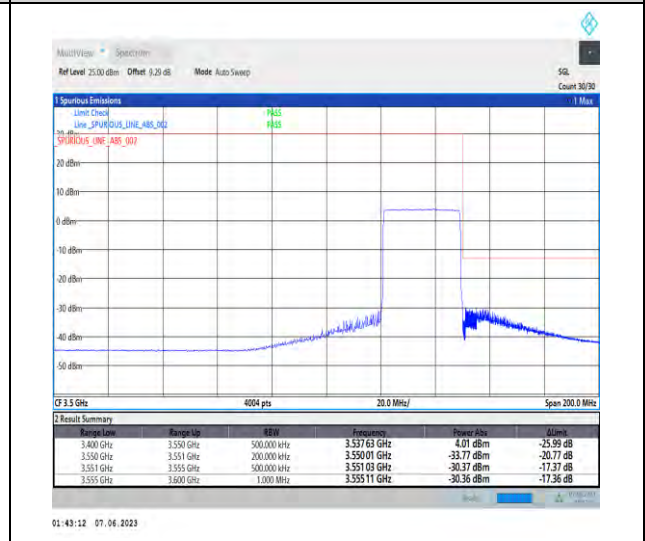
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1-N78-3450-3550-PC3-30-30-H-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-30-H-5-CP-QPSK-Edge_1RB_Right-1@77-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-30-H-6-CP-QPSK-Outer_Full-78@0-Ant1-1--PASS-see graph

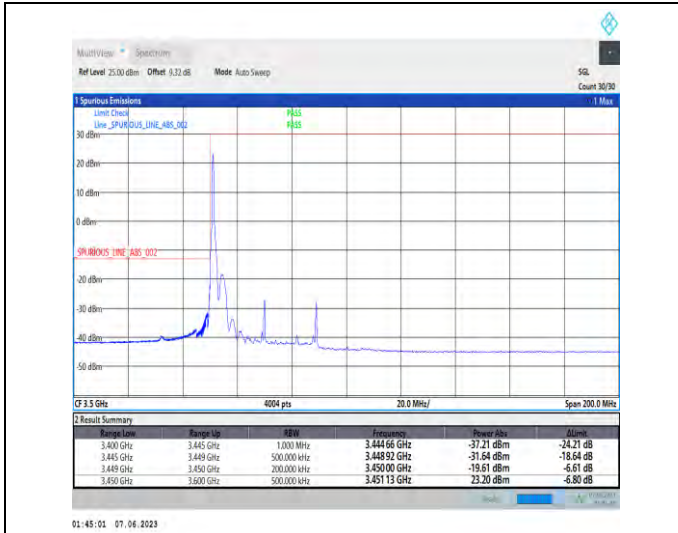


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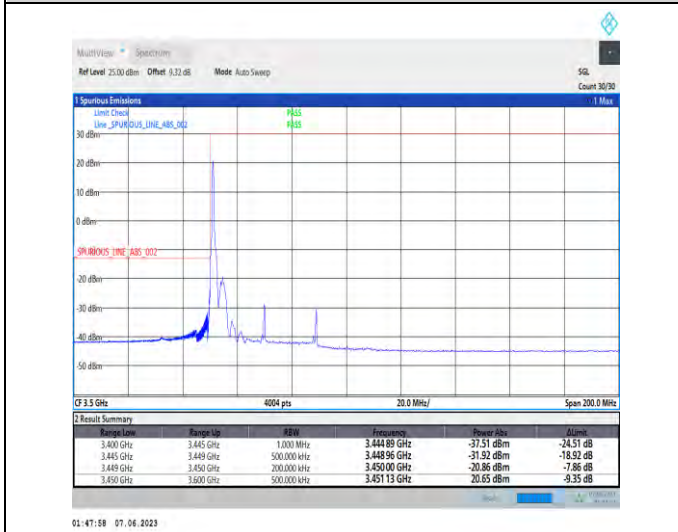
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1-N78-3450-3550-PC3-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-40-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N78-3450-3550-PC3-30-40-L-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

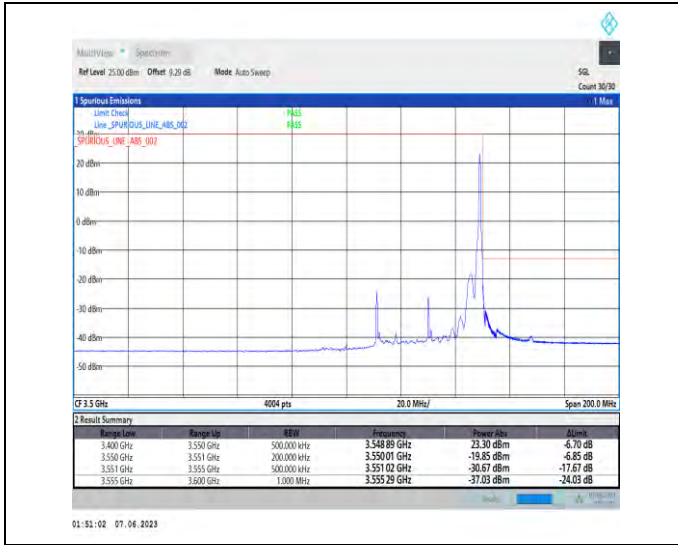


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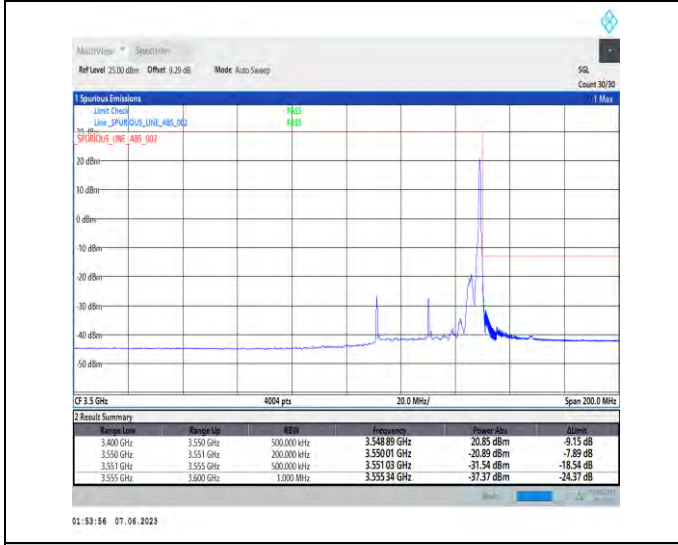
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1-N78-3450-3550-PC3-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph



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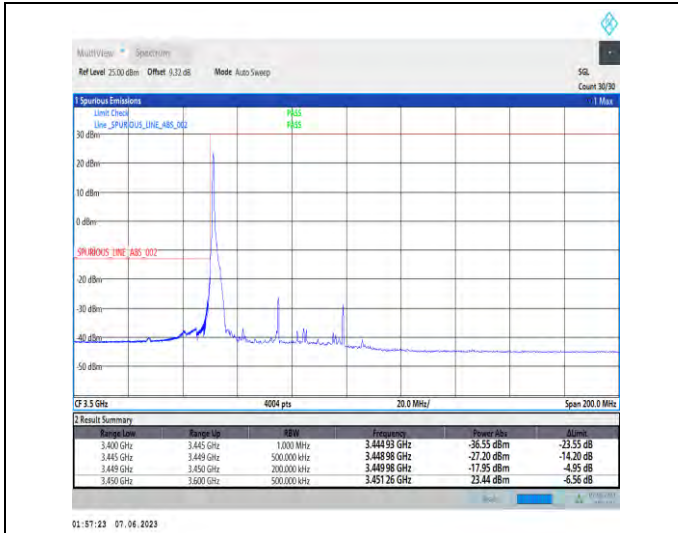


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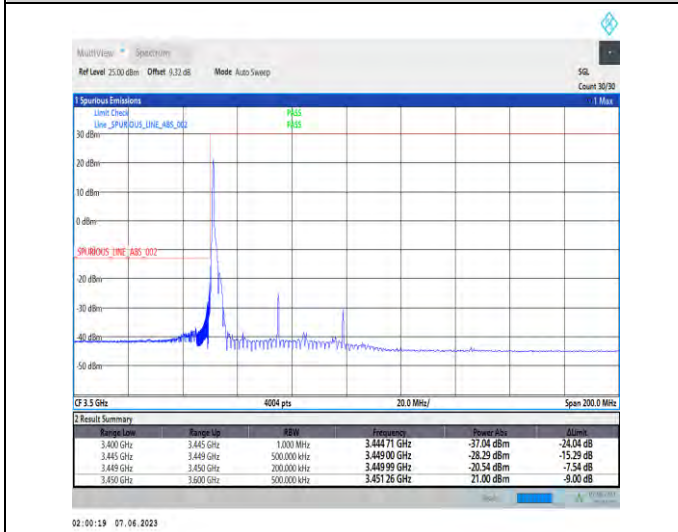
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1-N78-3450-3550-PC3-30-50-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



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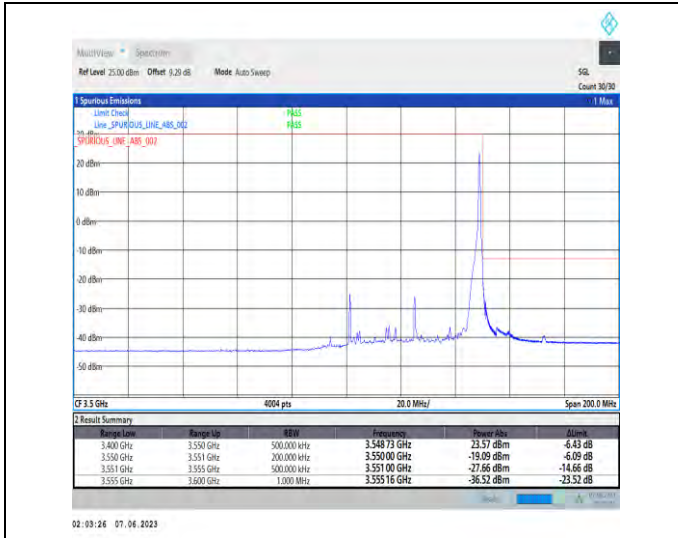


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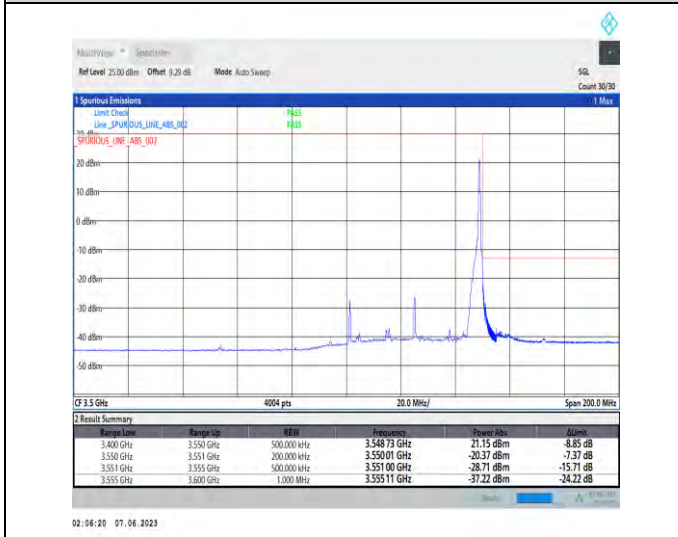
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1-N78-3450-3550-PC3-30-50-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-50-H-6-CP-QPSK-Outer_Full-133@0-Ant1-1--PASS-see graph

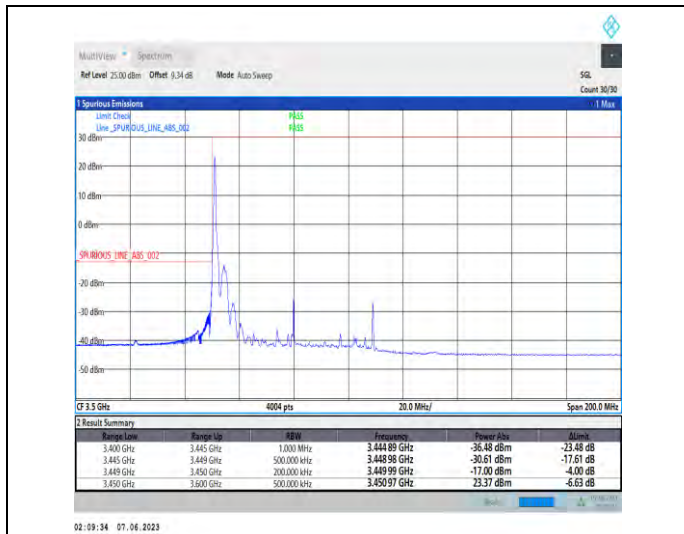


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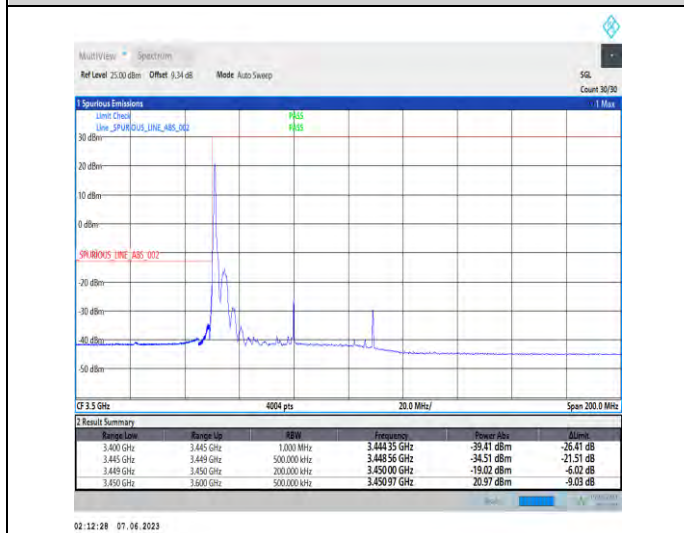
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1-N78-3450-3550-PC3-30-60-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-60-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



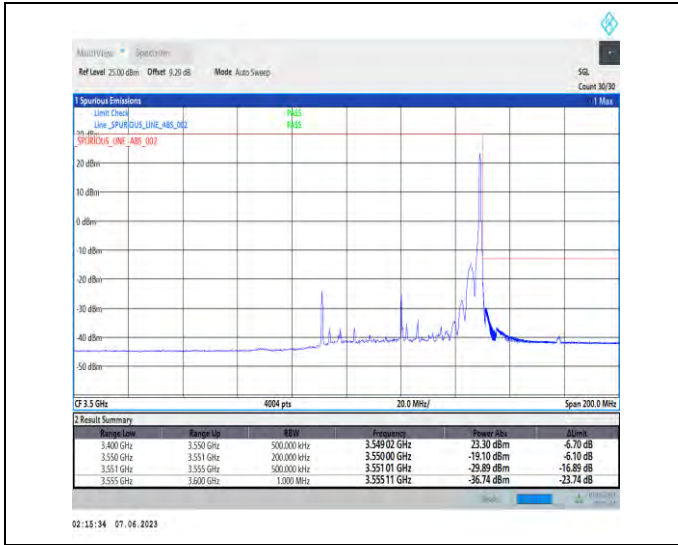
1-N78-3450-3550-PC3-30-60-L-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



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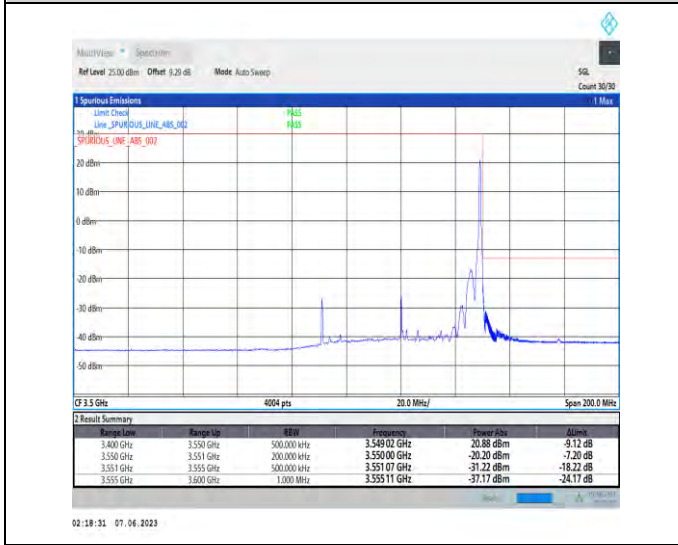
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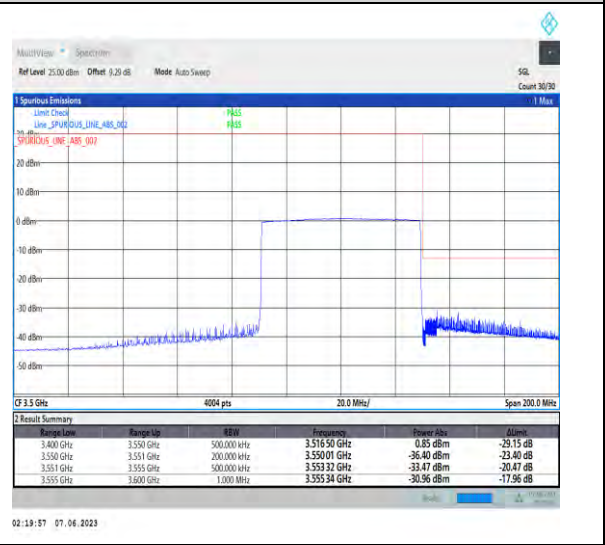
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1-N78-3450-3550-PC3-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant1-1--PASS-see graph

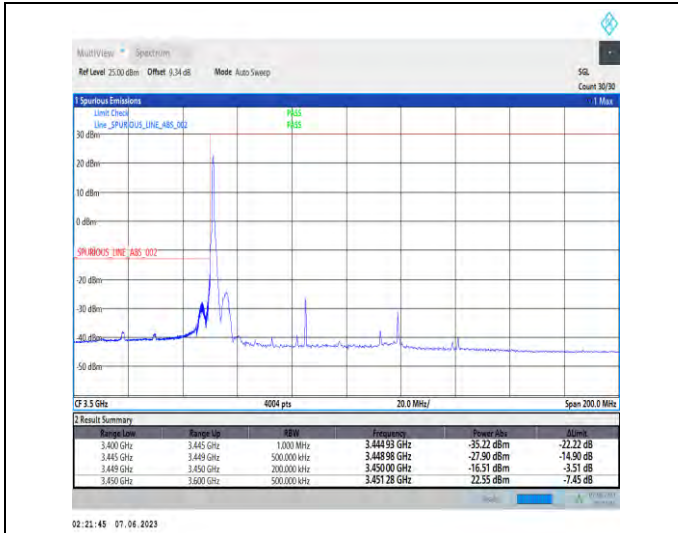


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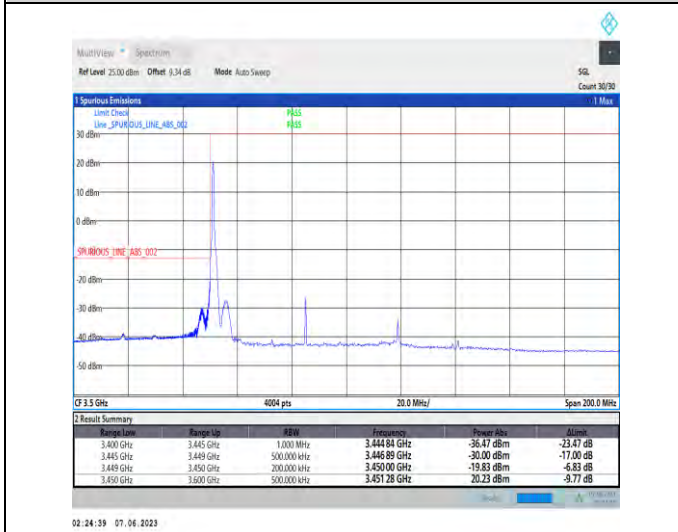
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1-N78-3450-3550-PC3-30-70-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-70-L-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-70-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-70-L-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph

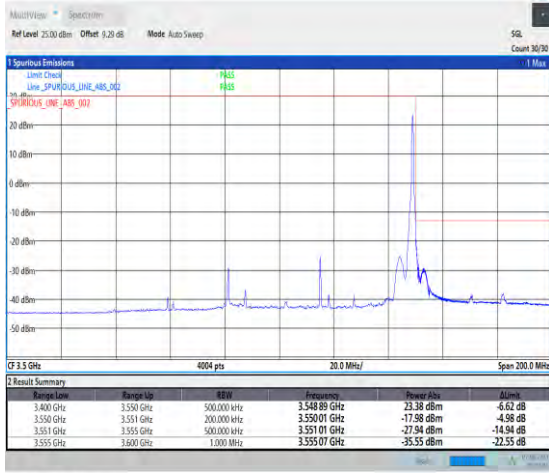


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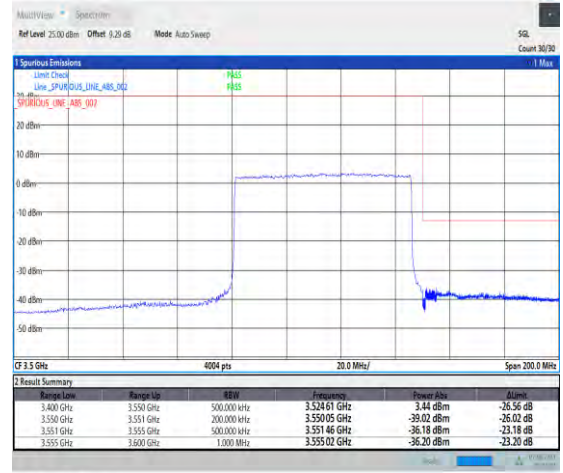
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1-N78-3450-3550-PC3-30-70-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@188-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-70-H-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-70-H-5-CP-QPSK-Edge_1RB_Right-1@188-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-70-H-6-CP-QPSK-Outer_Full-189@0-Ant1-1--PASS-see graph

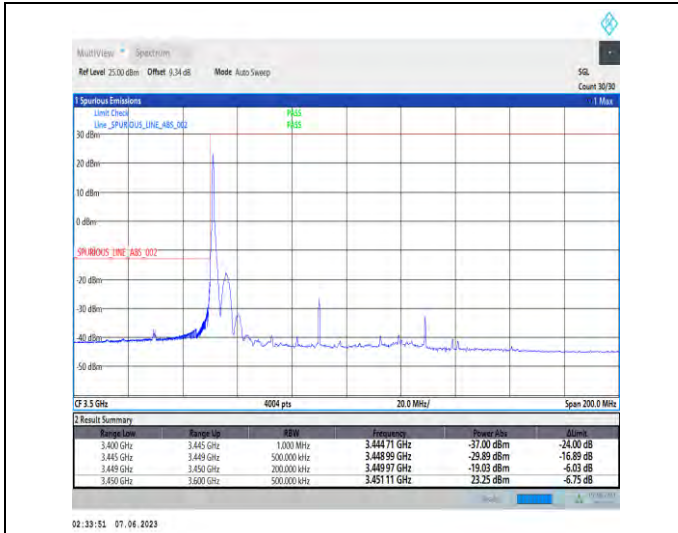


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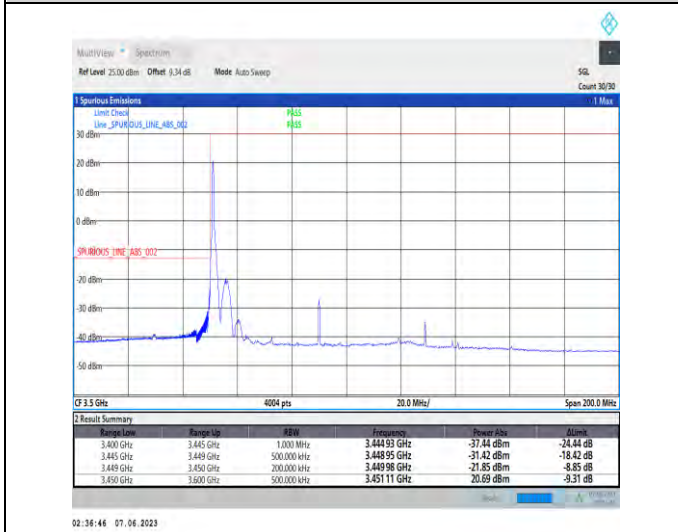
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1-N78-3450-3550-PC3-30-80-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-80-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-80-L-6-CP-QPSK-Outer_Full-217@0-Ant1-1--PASS-see graph

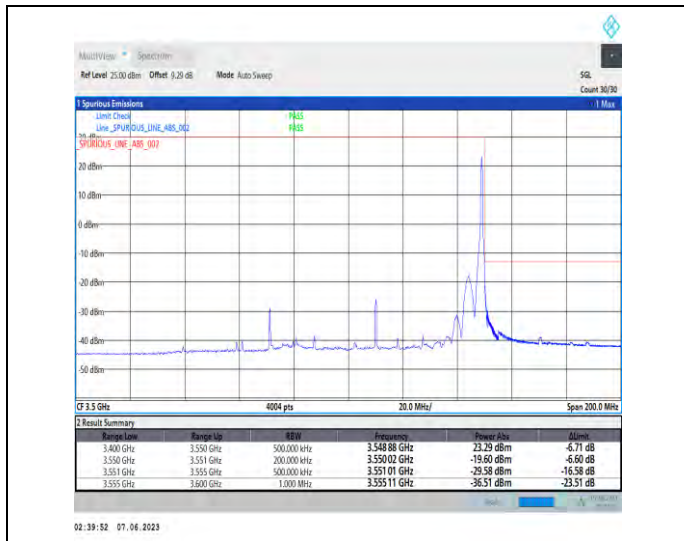


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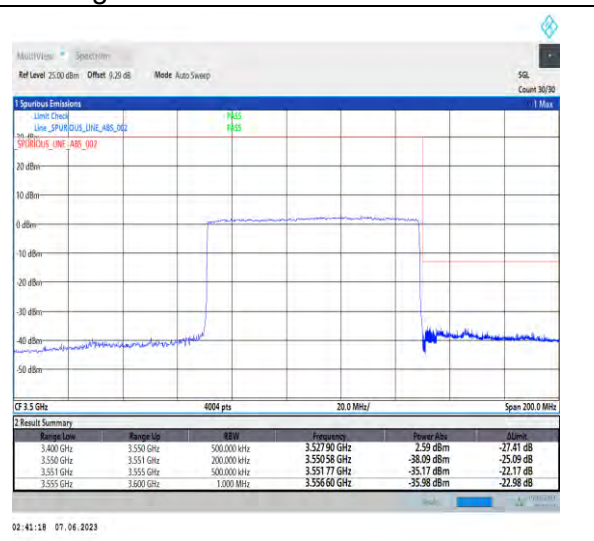
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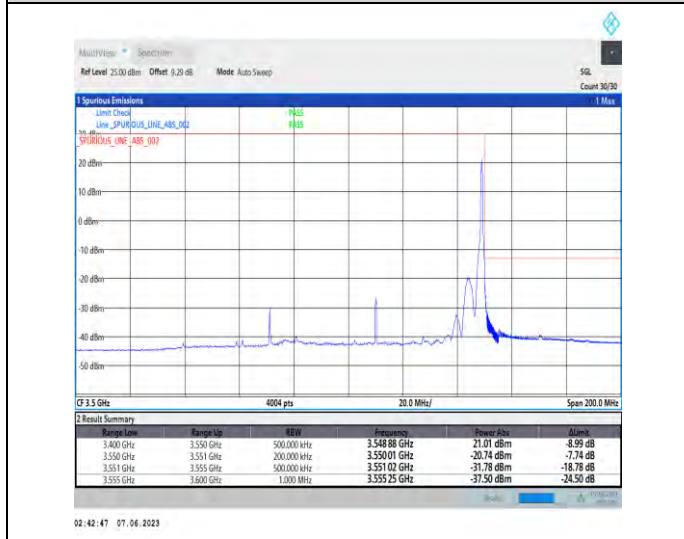
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1-N78-3450-3550-PC3-30-80-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@216-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



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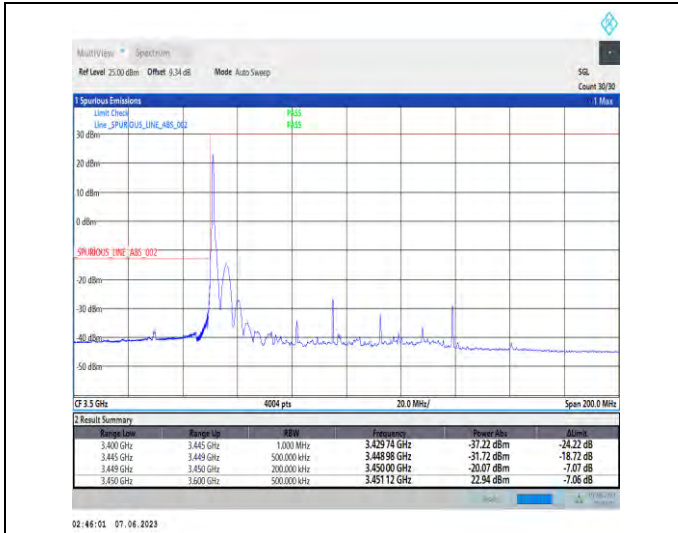


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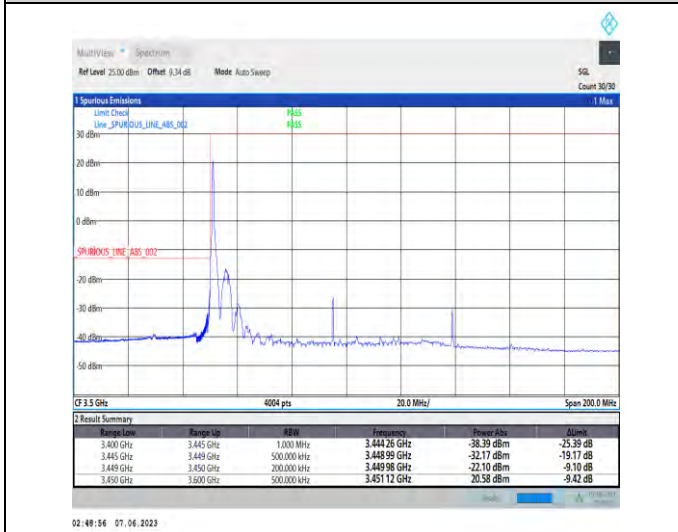
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1-N78-3450-3550-PC3-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-90-L-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-90-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-90-L-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph



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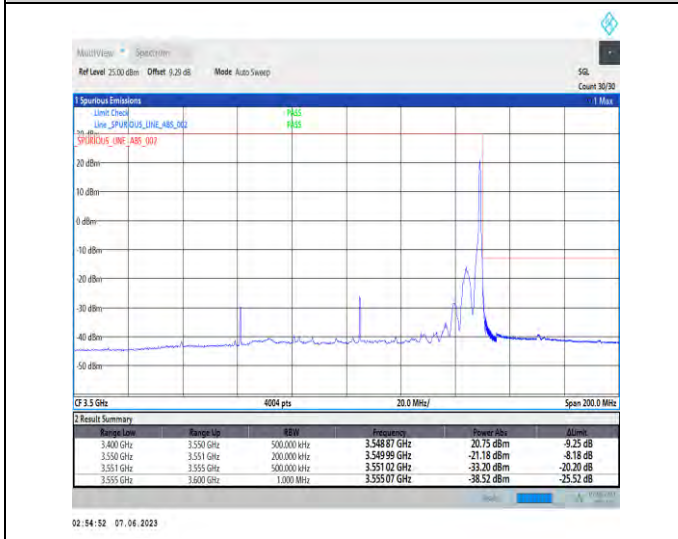
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1-N78-3450-3550-PC3-30-90-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@244-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



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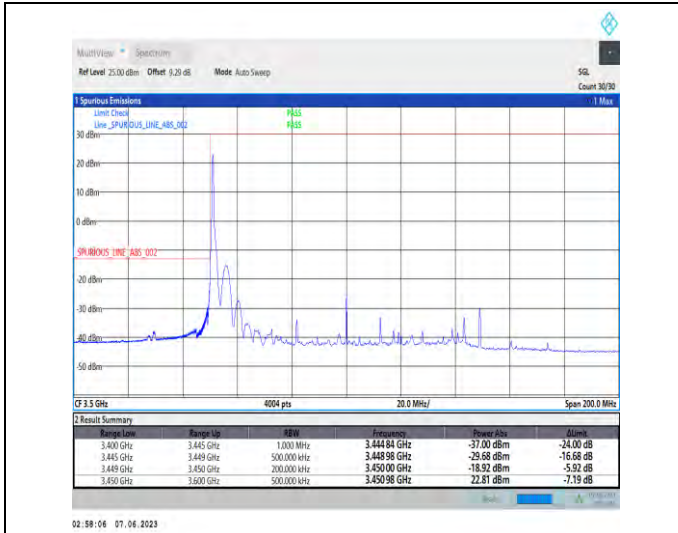


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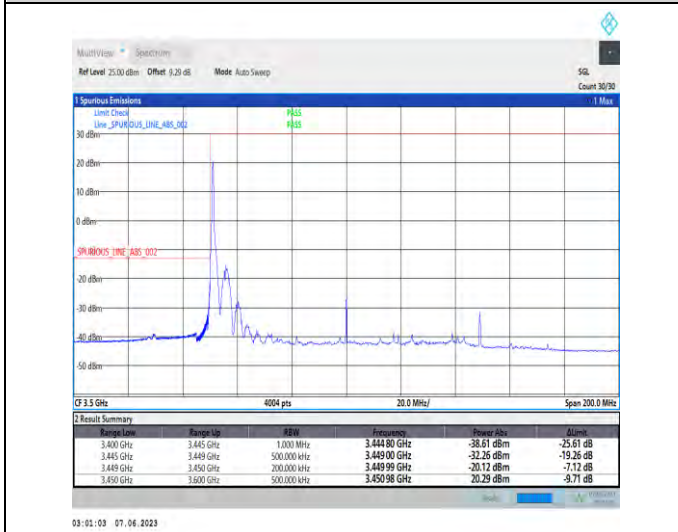
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1-N78-3450-3550-PC3-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N78-3450-3550-PC3-30-100-L-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph

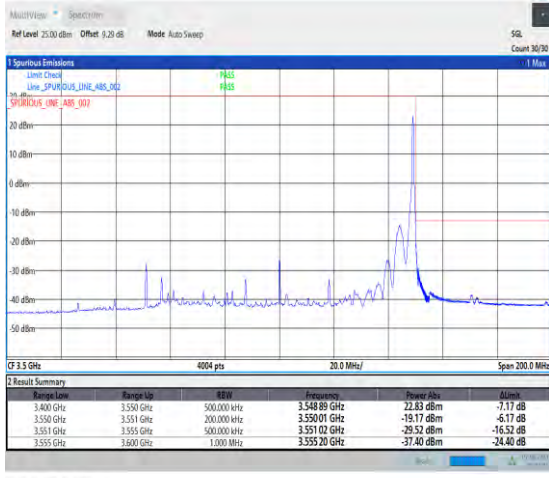


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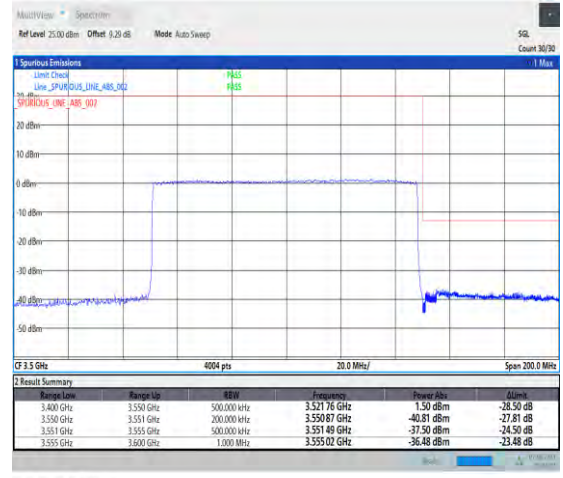
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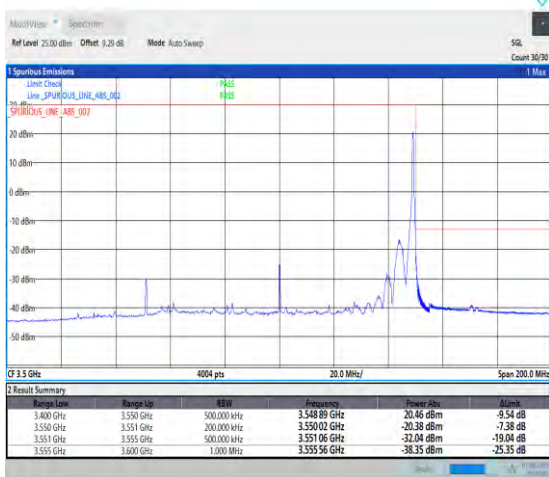
03-05-11 07:06:2023

1-N78-3450-3550-PC3-30-100-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph



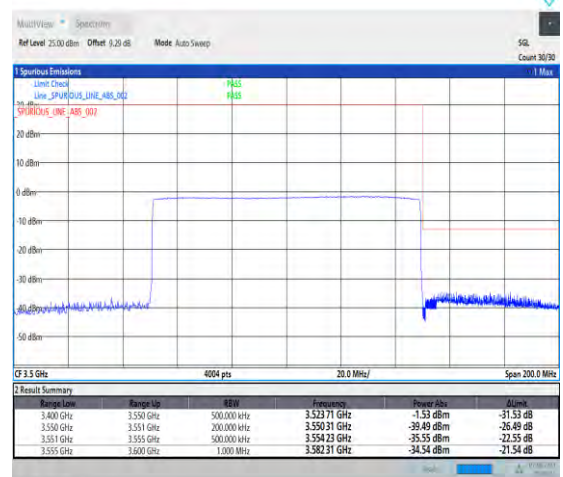
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1-N78-3450-3550-PC3-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



03-08-07 07:06:2023

1-N78-3450-3550-PC3-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph



03-09-23 07:06:2023

1-N78-3450-3550-PC3-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



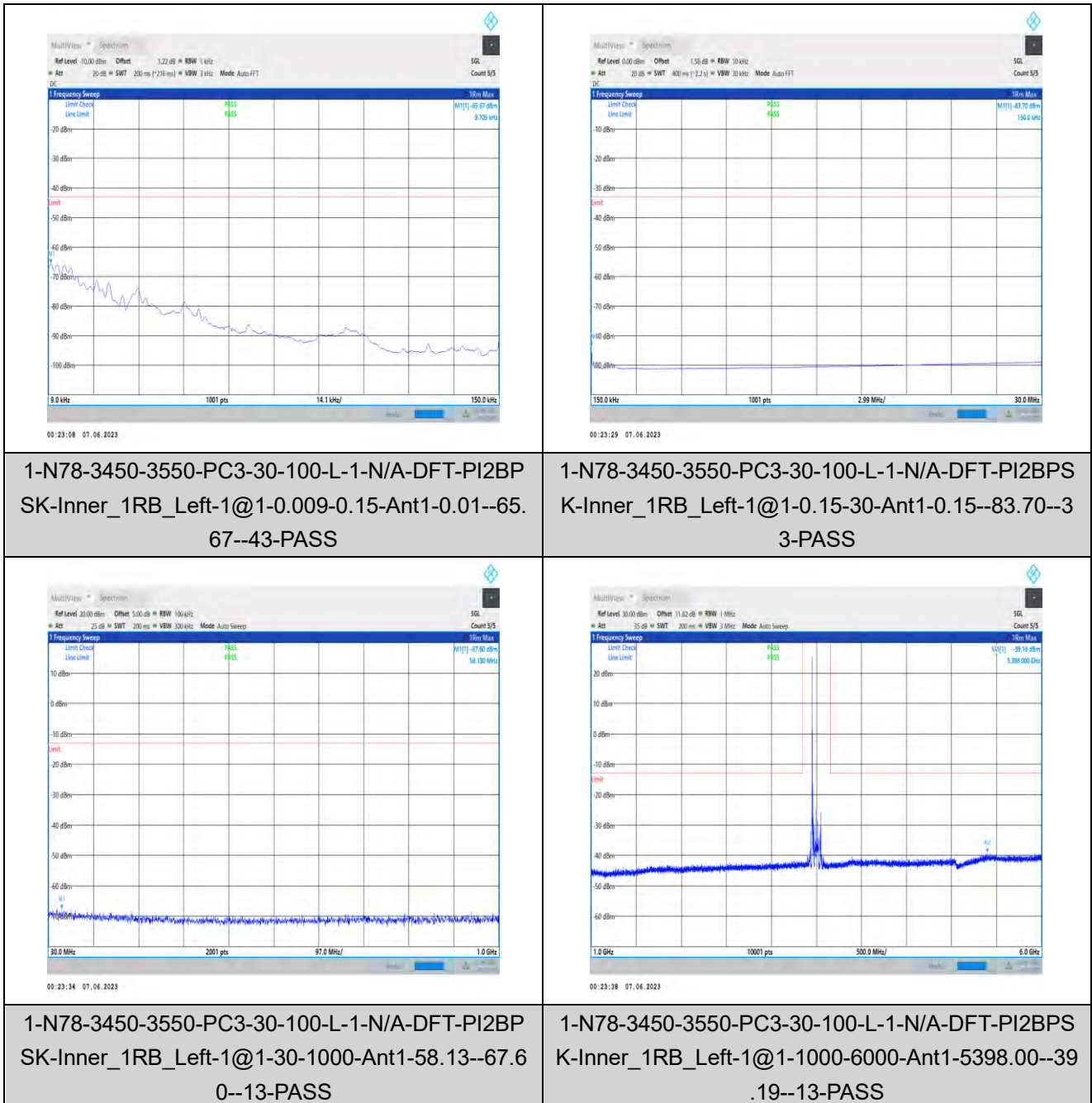
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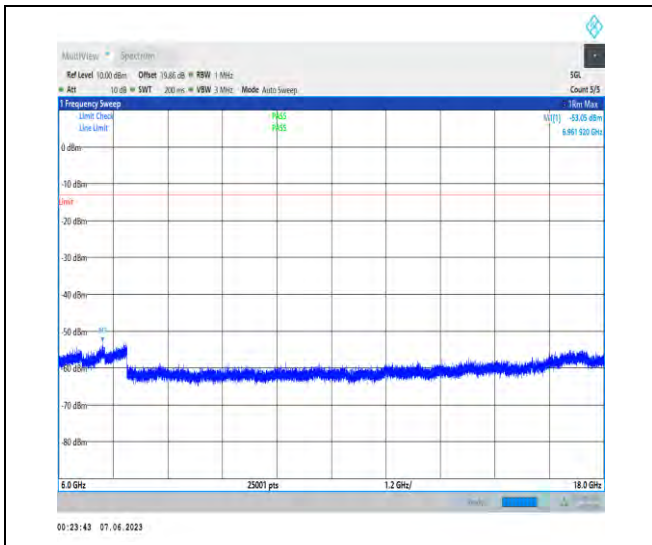
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Conducted Spurious Emission for SA Test Graphs

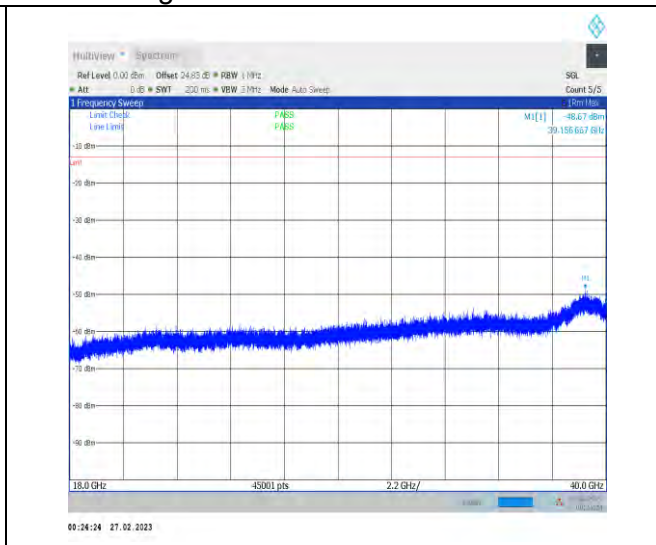


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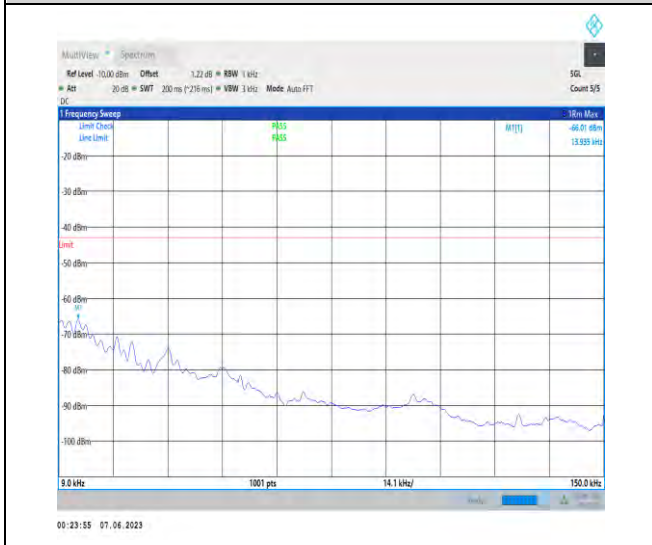
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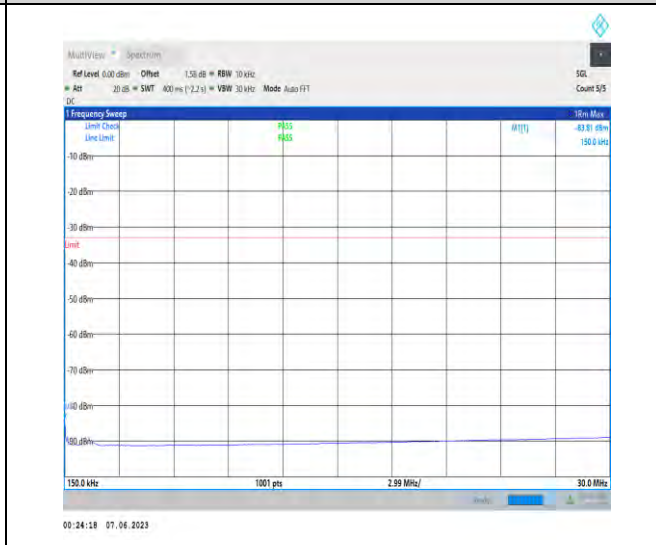
1-N78-3450-3550-PC3-30-100-L-1-N/A-DFT-PI2BP
 SK-Inner_1RB_Left-1@1-6000-18000-Ant1-6961.92
 --53.05--13-PASS



1-N78-3450-3550-PC3-30-100-L-1-N/A-DFT-PI2BPS
 K-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00
 --61.91--13-PASS



1-N78-3450-3550-PC3-30-100-M-1-N/A-DFT-PI2BP
 SK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--66.
 01--43-PASS

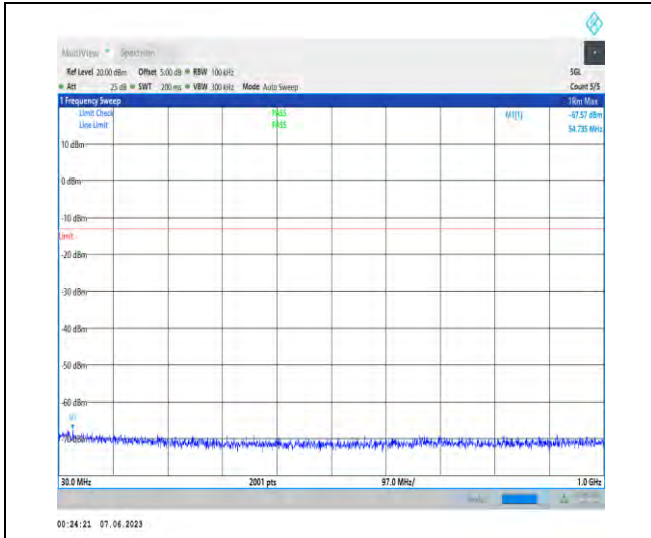


1-N78-3450-3550-PC3-30-100-M-1-N/A-DFT-PI2BPS
 K-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--83.81--3
 3-PASS

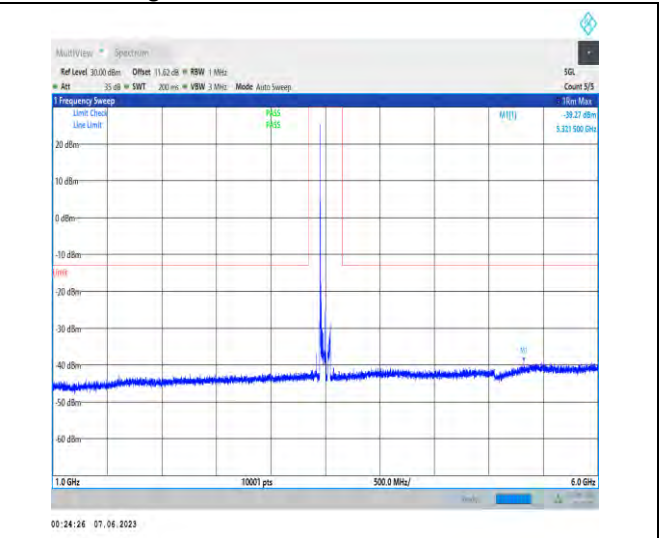


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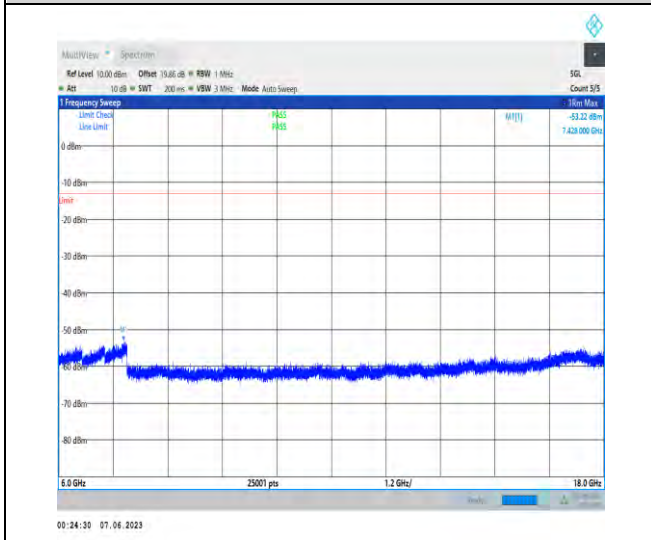
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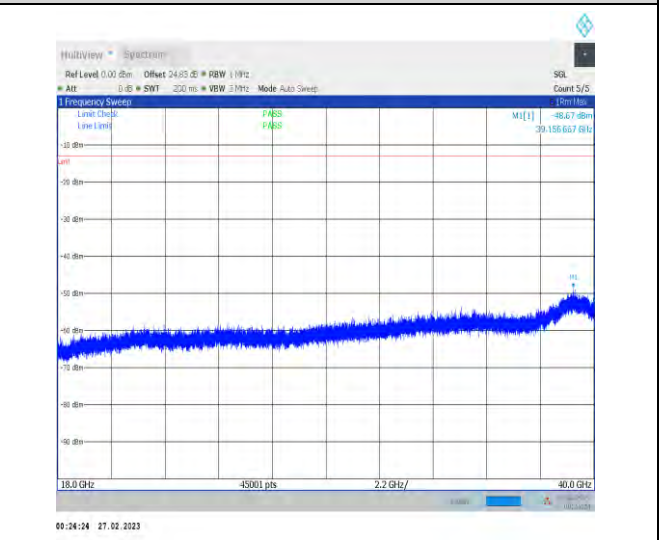
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SK-Inner_1RB_Left-1@1-30-1000-Ant1-54.74--67.5
7--13-PASS



1-N78-3450-3550-PC3-30-100-M-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-1000-6000-Ant1-5321.50--39
.27--13-PASS



1-N78-3450-3550-PC3-30-100-M-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-6000-18000-Ant1-7428.00
--53.22--13-PASS



1-N78-3450-3550-PC3-30-100-M-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00
--61.80--13-PASS

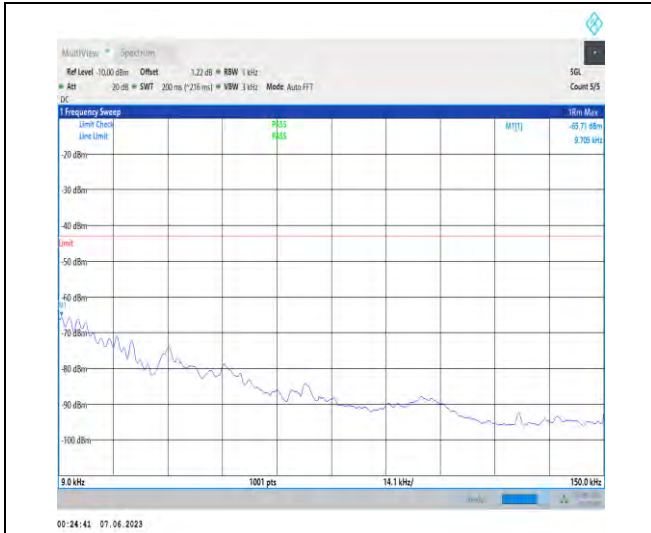


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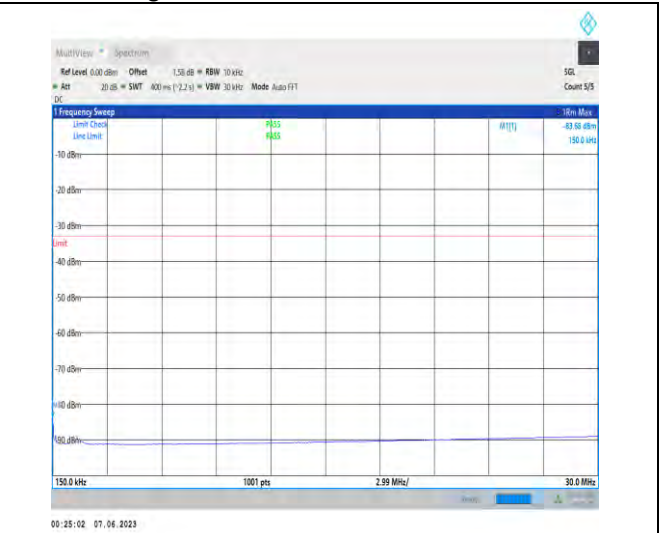
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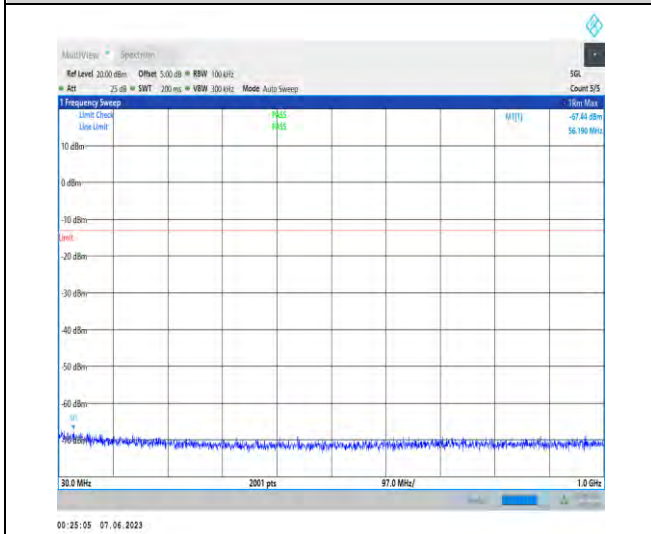
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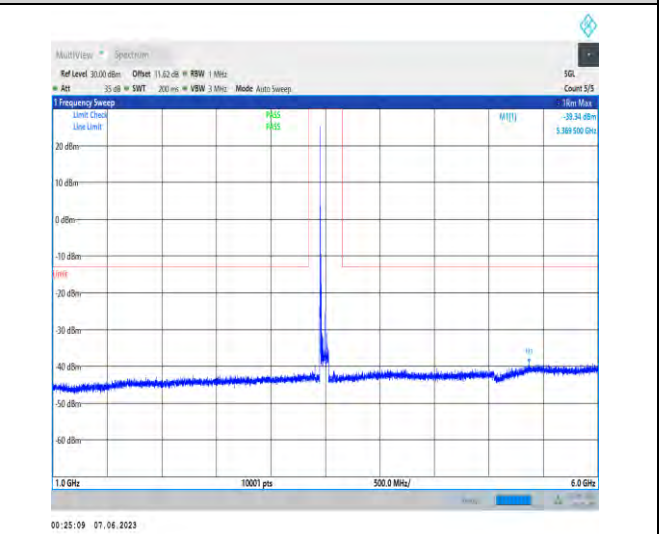
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SK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--65.
71--43-PASS



1-N78-3450-3550-PC3-30-100-H-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--83.68--33
3-PASS



1-N78-3450-3550-PC3-30-100-H-1-N/A-DFT-PI2BP
SK-Inner_1RB_Left-1@1-30-1000-Ant1-56.19--67.4
4--13-PASS



1-N78-3450-3550-PC3-30-100-H-1-N/A-DFT-PI2BPS
K-Inner_1RB_Left-1@1-1000-6000-Ant1-5369.50--39
.34--13-PASS

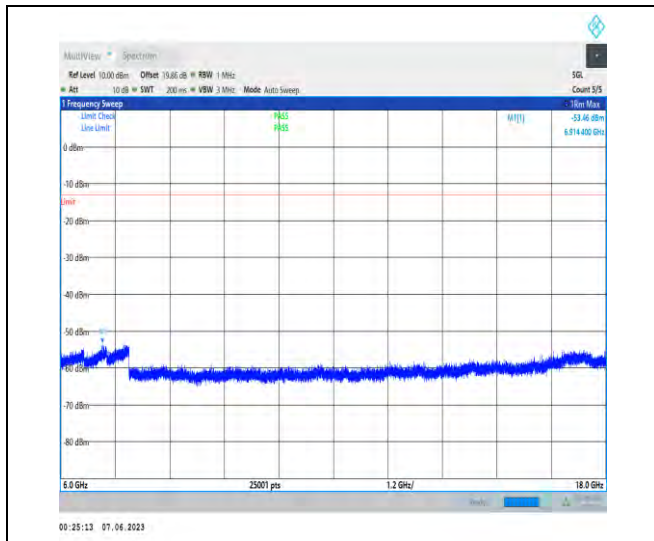


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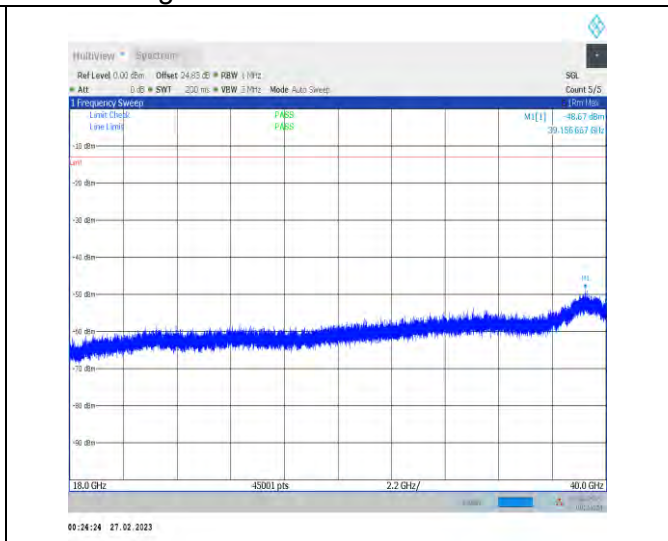
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1-N78-3450-3550-PC3-30-100-H-1-N/A-DFT-PI2BP
 SK-Inner_1RB_Left-1@1-6000-18000-Ant1-6914.40
 --53.46--13-PASS



1-N78-3450-3550-PC3-30-100-H-1-N/A-DFT-PI2BPS
 K-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00
 --61.55--13-PASS



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Field Strength of Spurious Radiation

Test Band = NR Band 78-3450~3550_TM1_Ant11

Test Channel = Mid Channel_100MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8517.7708	37.92	-39.66	38.07	-58.94	-13.00	45.94	196	57	Horizontal
2	14606.5417	34.02	-34.06	39.59	-55.71	-13.00	42.71	234	132	Horizontal
3	6982.18	39.17	-42.38	36.17	-62.30	-13.00	49.30	185	96	Horizontal
4	10473.27	33.14	-36.47	39.02	-59.57	-13.00	46.57	177	77	Horizontal
5	13964.36	32.08	-34.95	40.18	-57.95	-13.00	44.95	146	359	Horizontal
6	17455.45	30.08	-31.84	40.42	-56.59	-13.00	43.59	298	339	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8922.6667	38.41	-38.88	38.51	-57.22	-13.00	44.22	162	360	Vertical
2	13204.0208	36.83	-34.74	39.72	-53.44	-13.00	40.44	138	360	Vertical
3	6982.18	39.92	-42.38	36.17	-61.55	-13.00	48.55	274	19	Vertical
4	10473.27	32.97	-36.47	39.02	-59.74	-13.00	46.74	196	282	Vertical
5	13964.36	32.37	-34.95	40.18	-57.66	-13.00	44.66	125	37	Vertical
6	17455.45	30.07	-31.84	40.42	-56.60	-13.00	43.60	168	340	Vertical



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Test Band = NR Band 78 3450~3550_TM1_Ant12

Test Channel = Mid Channel_100MHz

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8929.8542	37.66	-38.86	38.52	-57.94	-13.00	44.94	259	263	Horizontal
2	12961.5625	34.41	-34.91	39.56	-56.20	-13.00	43.20	146	283	Horizontal
3	6982.18	39.74	-42.38	36.17	-61.73	-13.00	48.73	238	147	Horizontal
4	10473.27	32.53	-36.47	39.02	-60.18	-13.00	47.18	175	70	Horizontal
5	13964.36	31.86	-34.95	40.18	-58.17	-13.00	45.17	198	147	Horizontal
6	17455.45	29.95	-31.84	40.42	-56.72	-13.00	43.72	284	89	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9014.6667	37.48	-38.66	38.60	-57.84	-13.00	44.84	157	235	Vertical
2	12950.0625	34.54	-34.92	39.55	-56.09	-13.00	43.09	189	357	Vertical
3	6982.18	39.48	-42.38	36.17	-61.99	-13.00	48.99	234	126	Vertical
4	10473.27	32.75	-36.47	39.02	-59.96	-13.00	46.96	156	235	Vertical
5	13964.36	31.40	-34.95	40.18	-58.63	-13.00	45.63	257	288	Vertical
6	17455.45	30.48	-31.84	40.42	-56.19	-13.00	43.19	146	6	Vertical



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Test Band = ENDC_2A_n78A 3450~3550_TM1_ANT13+ANT11
Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8512.9792	37.66	-39.67	37.36	-59.91	-13.00	46.91	259	338	Horizontal
2	5553.27	29.07	-16.82	33.28	-49.72	-13.00	36.72	186	251	Horizontal
3	6982.18	40.55	-42.38	35.99	-61.10	-13.00	48.10	234	204	Horizontal
4	10473.27	31.96	-36.47	38.14	-61.63	-13.00	48.63	175	360	Horizontal
5	13964.36	32.08	-34.95	40.28	-57.85	-13.00	44.85	169	130	Horizontal
6	17455.45	29.82	-31.84	39.99	-57.28	-13.00	44.28	284	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	8522.0833	37.63	-39.66	37.36	-59.93	-13.00	46.93	155	72	Vertical
2	5553.27	29.19	-16.82	33.28	-49.60	-13.00	36.60	216	357	Vertical
3	6982.18	39.98	-42.38	35.99	-61.67	-13.00	48.67	238	360	Vertical
4	10473.27	31.99	-36.47	38.14	-61.60	-13.00	48.60	175	108	Vertical
5	13964.36	31.83	-34.95	40.28	-58.10	-13.00	45.10	149	92	Vertical
6	17455.45	30.35	-31.84	39.99	-56.75	-13.00	43.75	228	286	Vertical



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Test Band = ENDC_4A_n78A 3450~3550_TM1_ANT13+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.18	30.13	-22.35	29.59	-57.89	-13.00	44.89	153	347	Horizontal
2	5170.77	28.91	-17.96	33.17	-51.15	-13.00	38.15	207	174	Horizontal
3	6982.18	38.99	-42.38	35.99	-62.66	-13.00	49.66	188	70	Horizontal
4	10473.27	32.58	-36.47	38.14	-61.01	-13.00	48.01	169	89	Horizontal
5	13964.36	31.58	-34.95	40.28	-58.35	-13.00	45.35	238	108	Horizontal
6	17455.45	29.69	-31.84	39.99	-57.41	-13.00	44.41	247	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	3447.18	29.90	-22.35	29.59	-58.12	-13.00	45.12	249	170	Vertical
2	5170.77	29.54	-17.96	33.17	-50.52	-13.00	37.52	235	1	Vertical
3	6982.18	39.52	-42.38	35.99	-62.13	-13.00	49.13	175	298	Vertical
4	10473.27	32.78	-36.47	38.14	-60.81	-13.00	47.81	304	223	Vertical
5	13964.36	31.71	-34.95	40.28	-58.22	-13.00	45.22	175	334	Vertical
6	17455.45	29.79	-31.84	39.99	-57.31	-13.00	44.31	186	262	Vertical



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Test Band = ENDC_5A_n78A 3450~3550_TM1_ANT13+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	30.97	-25.24	24.60	-64.93	-13.00	51.93	135	53	Horizontal
2	2496.27	30.54	-23.89	27.39	-61.22	-13.00	48.22	287	360	Horizontal
3	6982.18	39.03	-42.38	35.99	-62.62	-13.00	49.62	146	126	Horizontal
4	10473.27	32.71	-36.47	38.14	-60.88	-13.00	47.88	299	143	Horizontal
5	13964.36	31.63	-34.95	40.28	-58.30	-13.00	45.30	245	0	Horizontal
6	17455.45	29.99	-31.84	39.99	-57.11	-13.00	44.11	165	291	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.18	31.17	-25.24	24.60	-64.73	-13.00	51.73	247	26	Vertical
2	2496.27	30.61	-23.89	27.39	-61.15	-13.00	48.15	185	266	Vertical
3	6982.18	39.58	-42.38	35.99	-62.07	-13.00	49.07	196	102	Vertical
4	10473.27	32.53	-36.47	38.14	-61.06	-13.00	48.06	233	176	Vertical
5	13964.36	31.16	-34.95	40.28	-58.77	-13.00	45.77	241	253	Vertical
6	17455.45	30.38	-31.84	39.99	-56.72	-13.00	43.72	172	1	Vertical



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Test Band = ENDC_7A_n78A 3450~3550_TM1_ANT13+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	29.27	-18.59	33.19	-51.39	-13.00	38.39	254	215	Horizontal
2	6982.18	40.17	-42.38	35.99	-61.48	-13.00	48.48	178	270	Horizontal
3	7578.27	37.37	-41.31	36.68	-62.53	-13.00	49.53	196	104	Horizontal
4	10473.27	32.22	-36.47	38.14	-61.37	-13.00	48.37	234	15	Horizontal
5	13964.36	32.17	-34.95	40.28	-57.76	-13.00	44.76	185	1	Horizontal
6	17455.45	30.47	-31.84	39.99	-56.63	-13.00	43.63	166	140	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	28.63	-18.59	33.19	-52.03	-13.00	39.03	215	296	Vertical
2	6982.18	38.86	-42.38	35.99	-62.79	-13.00	49.79	178	33	Vertical
3	7578.27	37.30	-41.31	36.68	-62.60	-13.00	49.60	196	161	Vertical
4	10473.27	32.38	-36.47	38.14	-61.21	-13.00	48.21	235	0	Vertical
5	13964.36	32.40	-34.95	40.28	-57.53	-13.00	44.53	140	289	Vertical
6	17455.45	30.00	-31.84	39.99	-57.10	-13.00	44.10	162	325	Vertical



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Test Band = ENDC_38A_n78A 3450~3550_TM1_ANT13+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5172.18	29.24	-17.95	33.17	-50.81	-13.00	37.81	211	360	Horizontal
2	6982.18	39.47	-42.38	35.99	-62.18	-13.00	49.18	239	211	Horizontal
3	7758.27	37.39	-41.05	36.86	-62.06	-13.00	49.06	287	13	Horizontal
4	10473.27	34.07	-36.47	38.14	-59.52	-13.00	46.52	146	288	Horizontal
5	13964.36	32.03	-34.95	40.28	-57.90	-13.00	44.90	251	341	Horizontal
6	17455.45	30.40	-31.84	39.99	-56.70	-13.00	43.70	140	211	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5172.18	29.03	-17.95	33.17	-51.02	-13.00	38.02	218	233	Vertical
2	6982.18	39.58	-42.38	35.99	-62.07	-13.00	49.07	175	251	Vertical
3	7758.27	37.96	-41.05	36.86	-61.49	-13.00	48.49	156	286	Vertical
4	10473.27	32.26	-36.47	38.14	-61.33	-13.00	48.33	286	84	Vertical
5	13964.36	31.59	-34.95	40.28	-58.34	-13.00	45.34	231	142	Vertical
6	17455.45	30.50	-31.84	39.99	-56.60	-13.00	43.60	153	142	Vertical



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Test Band = ENDC_41A_n78A 3450~3550_TM1_ANT13+ANT12

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5168.18	29.44	-17.98	33.17	-50.63	-13.00	37.63	240	78	Horizontal
2	6982.18	39.25	-42.38	35.99	-62.40	-13.00	49.40	189	16	Horizontal
3	7752.27	37.85	-41.07	36.85	-61.63	-13.00	48.63	216	213	Horizontal
4	10473.27	32.72	-36.47	38.14	-60.87	-13.00	47.87	247	0	Horizontal
5	13964.36	31.51	-34.95	40.28	-58.42	-13.00	45.42	201	213	Horizontal
6	17455.45	30.37	-31.84	39.99	-56.73	-13.00	43.73	185	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	5168.18	29.37	-17.98	33.17	-50.70	-13.00	37.70	215	360	Vertical
2	6982.18	39.01	-42.38	35.99	-62.64	-13.00	49.64	198	1	Vertical
3	7752.27	38.00	-41.07	36.85	-61.48	-13.00	48.48	268	233	Vertical
4	10473.27	32.08	-36.47	38.14	-61.51	-13.00	48.51	274	357	Vertical
5	13964.36	31.26	-34.95	40.28	-58.67	-13.00	45.67	135	45	Vertical
6	17455.45	30.28	-31.84	39.99	-56.82	-13.00	43.82	248	325	Vertical



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Test Band = ENDC_66A_n78A 3450~3550_TM1_ANT13+ANT12

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	29.42	-22.32	29.59	-58.56	-13.00	45.56	218	308	Horizontal
2	5181.27	29.21	-17.90	33.16	-50.79	-13.00	37.79	143	360	Horizontal
3	6982.18	39.33	-42.38	35.99	-62.32	-13.00	49.32	239	325	Horizontal
4	10473.27	32.39	-36.47	38.14	-61.20	-13.00	48.20	172	4	Horizontal
5	13964.36	32.07	-34.95	40.28	-57.86	-13.00	44.86	155	4	Horizontal
6	17455.45	30.23	-31.84	39.99	-56.87	-13.00	43.87	162	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	3454.18	29.65	-22.32	29.59	-58.33	-13.00	45.33	219	160	Vertical
2	5181.27	29.28	-17.90	33.16	-50.72	-13.00	37.72	286	120	Vertical
3	6982.18	39.46	-42.38	35.99	-62.19	-13.00	49.19	233	17	Vertical
4	10473.27	31.96	-36.47	38.14	-61.63	-13.00	48.63	241	252	Vertical
5	13964.36	32.37	-34.95	40.28	-57.56	-13.00	44.56	156	345	Vertical
6	17455.45	30.35	-31.84	39.99	-56.75	-13.00	43.75	275	7	Vertical



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Test Band = ENDC_2A_n78A 3450-3550_TM1_ANT31+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1635.25	31.68	-25.33	24.60	-64.31	-13.00	51.31	219	147	Horizontal
2	2461.1667	32.25	-24.08	27.31	-59.77	-13.00	46.77	286	55	Horizontal
3	4701.9583	29.53	-18.56	32.54	-51.75	-13.00	38.75	239	202	Horizontal
4	6982.18	40.27	-42.38	35.99	-61.38	-13.00	48.38	284	234	Horizontal
5	10473.27	32.21	-36.47	38.14	-61.38	-13.00	48.38	175	34	Horizontal
6	13964.36	31.93	-34.95	40.28	-58.00	-13.00	45.00	203	1	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1693	32.60	-25.15	24.60	-63.21	-13.00	50.21	235	253	Vertical
2	2460.25	32.75	-24.08	27.31	-59.28	-13.00	46.28	192	172	Vertical
3	4935.25	29.72	-19.05	33.06	-51.53	-13.00	38.53	168	78	Vertical
4	6982.18	39.08	-42.38	35.99	-62.57	-13.00	49.57	274	120	Vertical
5	10473.27	33.20	-36.47	38.14	-60.39	-13.00	47.39	155	1	Vertical
6	13964.36	31.85	-34.95	40.28	-58.08	-13.00	45.08	162	284	Vertical



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Test Band = ENDC_4A_n78A 3450-3550_TM1_ANT31+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4696.4583	29.00	-18.58	32.53	-52.31	-13.00	39.31	135	360	Horizontal
2	8386	37.37	-39.78	37.29	-60.38	-13.00	47.38	294	1	Horizontal
3	9467	37.74	-37.95	37.74	-57.73	-13.00	44.73	186	179	Horizontal
4	6982.18	38.85	-42.38	35.99	-62.80	-13.00	49.80	233	126	Horizontal
5	10473.27	32.17	-36.47	38.14	-61.42	-13.00	48.42	174	6	Horizontal
6	13964.36	31.69	-34.95	40.28	-58.24	-13.00	45.24	186	162	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4773.4583	29.43	-18.63	32.70	-51.76	-13.00	38.76	122	268	Vertical
2	7903.4792	38.88	-40.69	37.00	-60.07	-13.00	47.07	263	291	Vertical
3	8938.9583	37.77	-38.83	37.57	-58.75	-13.00	45.75	258	123	Vertical
4	6982.18	39.93	-42.38	35.99	-61.72	-13.00	48.72	179	142	Vertical
5	10473.27	32.39	-36.47	38.14	-61.20	-13.00	48.20	204	180	Vertical
6	13964.36	31.63	-34.95	40.28	-58.30	-13.00	45.30	188	291	Vertical



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Test Band = ENDC_5A_n78A 3450-3550_TM1_ANT31+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1729.2083	37.71	-25.14	24.60	-58.09	-13.00	45.09	159	280	Horizontal
2	2460.7083	32.69	-24.08	27.31	-59.33	-13.00	46.33	286	80	Horizontal
3	8945.1875	37.35	-38.81	37.57	-59.15	-13.00	46.15	235	288	Horizontal
4	6982.18	39.58	-42.38	35.99	-62.07	-13.00	49.07	145	69	Horizontal
5	10473.27	32.60	-36.47	38.14	-60.99	-13.00	47.99	266	143	Horizontal
6	13964.36	32.18	-34.95	40.28	-57.75	-13.00	44.75	189	69	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1714.0833	33.27	-25.14	24.60	-62.53	-13.00	49.53	159	3	Vertical
2	2462.5417	32.11	-24.07	27.32	-59.90	-13.00	46.90	286	40	Vertical
3	5278.5417	29.90	-17.53	33.14	-49.75	-13.00	36.75	233	187	Vertical
4	6982.18	39.00	-42.38	35.99	-62.65	-13.00	49.65	162	37	Vertical
5	10473.27	32.64	-36.47	38.14	-60.95	-13.00	47.95	175	172	Vertical
6	13964.36	32.09	-34.95	40.28	-57.84	-13.00	44.84	186	58	Vertical



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Test Band = ENDC_7A_n78A 3450-3550_TM1_ANT31+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5642	30.20	-16.66	33.58	-48.13	-13.00	35.13	211	300	Horizontal
2	8006.9792	38.65	-40.52	37.10	-60.03	-13.00	47.03	143	126	Horizontal
3	9518.2708	37.70	-38.04	37.76	-57.85	-13.00	44.85	289	0	Horizontal
4	6982.18	38.89	-42.38	35.99	-62.76	-13.00	49.76	276	307	Horizontal
5	10473.27	32.38	-36.47	38.14	-61.21	-13.00	48.21	255	218	Horizontal
6	13964.36	31.53	-34.95	40.28	-58.40	-13.00	45.40	129	145	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5860.625	30.00	-16.32	34.33	-47.25	-13.00	34.25	159	3	Vertical
2	7853.1667	39.15	-40.78	36.95	-59.94	-13.00	46.94	234	0	Vertical
3	9559.4792	37.48	-37.91	37.77	-57.92	-13.00	44.92	122	340	Vertical
4	6982.18	39.37	-42.38	35.99	-62.28	-13.00	49.28	156	170	Vertical
5	10473.27	31.83	-36.47	38.14	-61.76	-13.00	48.76	283	304	Vertical
6	13964.36	31.66	-34.95	40.28	-58.27	-13.00	45.27	120	133	Vertical



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Test Band = ENDC_38A_n78A 3450-3550_TM1_ANT31+ANT11

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5586.0833	30.02	-16.60	33.39	-48.45	-13.00	35.45	241	120	Horizontal
2	8468.8958	37.18	-39.68	37.33	-60.42	-13.00	47.42	185	235	Horizontal
3	12951.5	34.78	-34.92	39.54	-55.86	-13.00	42.86	196	106	Horizontal
4	6982.18	39.05	-42.38	35.99	-62.60	-13.00	49.60	233	216	Horizontal
5	10473.27	32.96	-36.47	38.14	-60.63	-13.00	47.63	275	308	Horizontal
6	13964.36	31.42	-34.95	40.28	-58.51	-13.00	45.51	168	123	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5519.1667	30.09	-17.04	33.17	-49.05	-13.00	36.05	174	159	Vertical
2	8525.4375	38.00	-39.66	37.36	-59.56	-13.00	46.56	189	357	Vertical
3	12723.4167	34.02	-35.28	39.27	-57.26	-13.00	44.26	263	62	Vertical
4	6982.18	39.07	-42.38	35.99	-62.58	-13.00	49.58	234	1	Vertical
5	10473.27	32.31	-36.47	38.14	-61.28	-13.00	48.28	185	357	Vertical
6	13964.36	31.56	-34.95	40.28	-58.37	-13.00	45.37	170	43	Vertical



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Test Band = ENDC_41A_n78A 3450-3550_TM1_ANT31+ANT12

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5389.9167	30.34	-17.33	33.12	-49.13	-13.00	36.13	148	150	Horizontal
2	9569.0625	37.61	-37.88	37.77	-57.76	-13.00	44.76	196	357	Horizontal
3	6982.18	39.86	-42.38	35.99	-61.79	-13.00	48.79	233	5	Horizontal
4	10473.27	32.10	-36.47	38.14	-61.49	-13.00	48.49	185	1	Horizontal
5	13964.36	30.96	-34.95	40.28	-58.97	-13.00	45.97	167	88	Horizontal
6	17455.45	29.46	-31.84	39.99	-57.64	-13.00	44.64	145	88	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5602.125	30.22	-16.52	33.45	-48.11	-13.00	35.11	279	360	Vertical
2	7879.5208	38.64	-40.74	36.98	-60.38	-13.00	47.38	186	203	Vertical
3	6982.18	38.86	-42.38	35.99	-62.79	-13.00	49.79	233	184	Vertical
4	10473.27	31.75	-36.47	38.14	-61.84	-13.00	48.84	254	320	Vertical
5	13964.36	31.65	-34.95	40.28	-58.28	-13.00	45.28	186	34	Vertical
6	17455.45	29.76	-31.84	39.99	-57.34	-13.00	44.34	238	7	Vertical



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Test Band = ENDC_66A_n78A 3450-3550_TM1_ANT31+ANT12

Test Channel = Mid Channel

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6093.4583	30.77	-16.13	34.99	-45.63	-13.00	32.63	181	39	Horizontal
2	9569.0625	37.47	-37.88	37.77	-57.90	-13.00	44.90	242	286	Horizontal
3	6982.18	39.38	-42.38	35.99	-62.27	-13.00	49.27	198	0	Horizontal
4	10473.27	32.46	-36.47	38.14	-61.13	-13.00	48.13	163	77	Horizontal
5	13964.36	31.95	-34.95	40.28	-57.98	-13.00	44.98	115	286	Horizontal
6	17455.45	29.87	-31.84	39.99	-57.23	-13.00	44.23	246	308	Horizontal

Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6220.875	31.01	-16.17	35.24	-45.17	-13.00	32.17	231	71	Vertical
2	9583.9167	37.28	-37.83	37.78	-58.04	-13.00	45.04	277	26	Vertical
3	6982.18	39.06	-42.38	35.99	-62.59	-13.00	49.59	185	249	Vertical
4	10473.27	32.00	-36.47	38.14	-61.59	-13.00	48.59	265	100	Vertical
5	13964.36	32.07	-34.95	40.28	-57.86	-13.00	44.86	279	249	Vertical
6	17455.45	29.90	-31.84	39.99	-57.20	-13.00	44.20	146	62	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) - Pre-amplifier (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	Chan nel	RB Config	Voltage	Temper ature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-2.100000	-0.000600	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-7.900000	-0.002257	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-4.000000	-0.001143	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VH	NT	-1.600000	-0.000457	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VN	NT	-4.400000	-0.001257	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	VL	NT	-0.100000	-0.000029	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Chan nel	RB Config	Voltage	Temper ature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-6.300000	-0.001800	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.100000	-0.001457	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-4.500000	-0.001286	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-17.400000	-0.004971	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	2.400000	0.000686	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-7.000000	-0.002000	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-11.600000	-0.003314	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-11.300000	-0.003229	PASS
N78-3450-3550	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-7.000000	-0.002000	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-30	-10.700000	-0.003057	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-20	-5.800000	-0.001657	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	-10	-4.300000	-0.001229	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	0	-9.200000	-0.002629	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	10	-5.400000	-0.001543	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	20	-11.900000	-0.003400	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	30	-6.200000	-0.001771	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	40	5.100000	0.001457	PASS
N78-3450-3550	30	100	CP-QPSK	M	Outer_Full	NV	50	-8.600000	-0.002457	PASS

---End of Attachment---



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