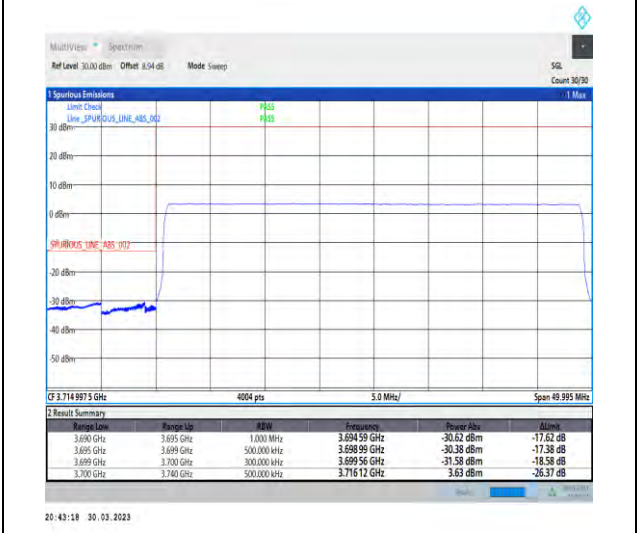
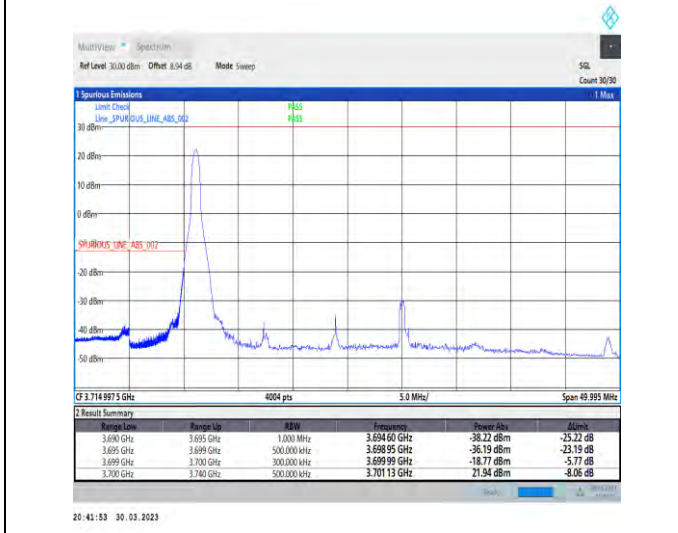


1-N77-3700-3980-30-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-30-40-L-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



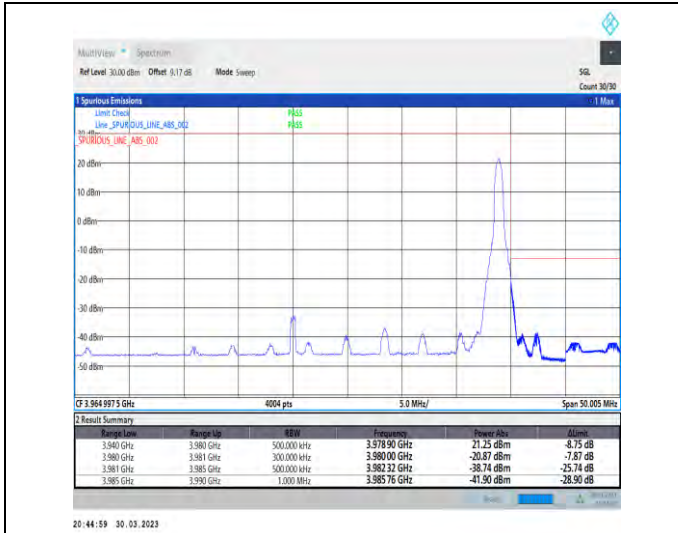
1-N77-3700-3980-30-40-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-30-40-L-6-CP-QPSK-Outer_Full -106@0-Ant1-1--PASS-see graph



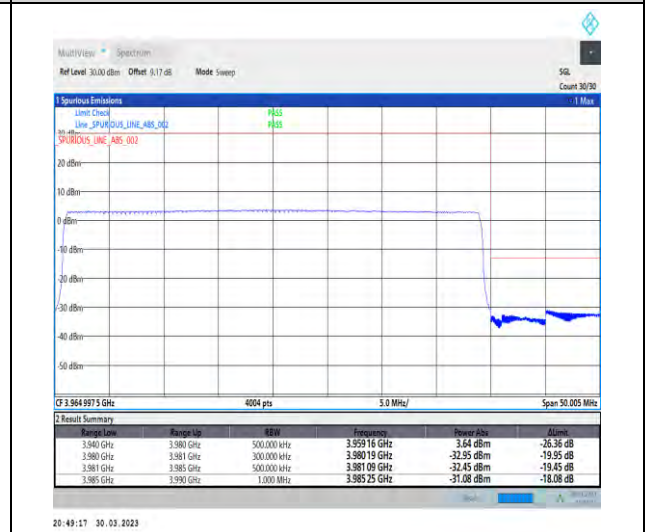
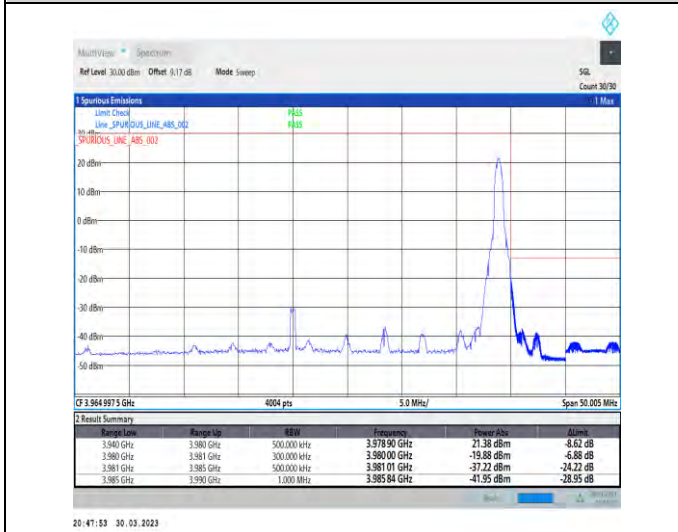
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1-N77-3700-3980-30-40-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@105-Ant1-1--PASS-see graph

1-N77-3700-3980-30-40-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1--PASS-see graph



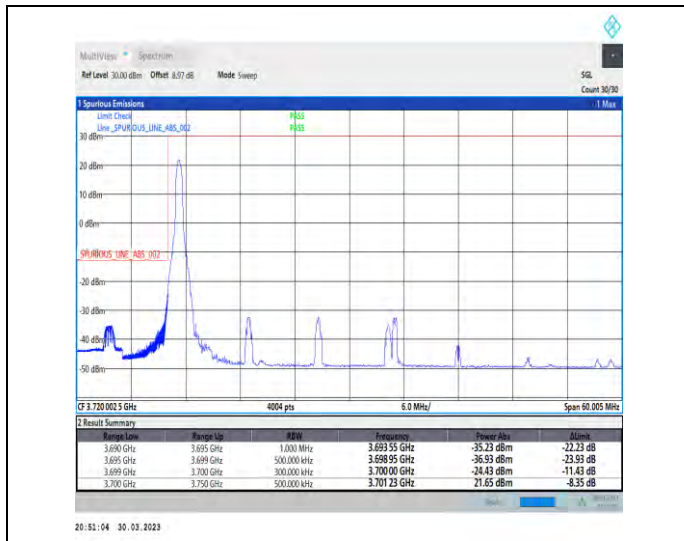
1-N77-3700-3980-30-40-H-5-CP-QPSK-Edge_1RB_Right-1@105-Ant1-1--PASS-see graph

1-N77-3700-3980-30-40-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1--PASS-see graph

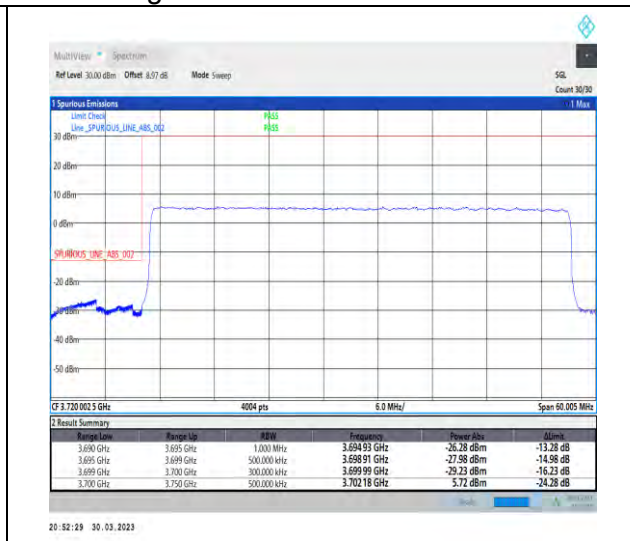


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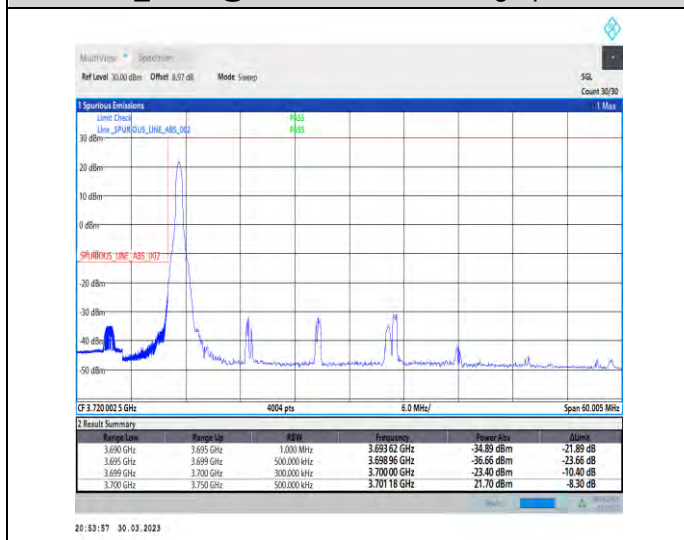
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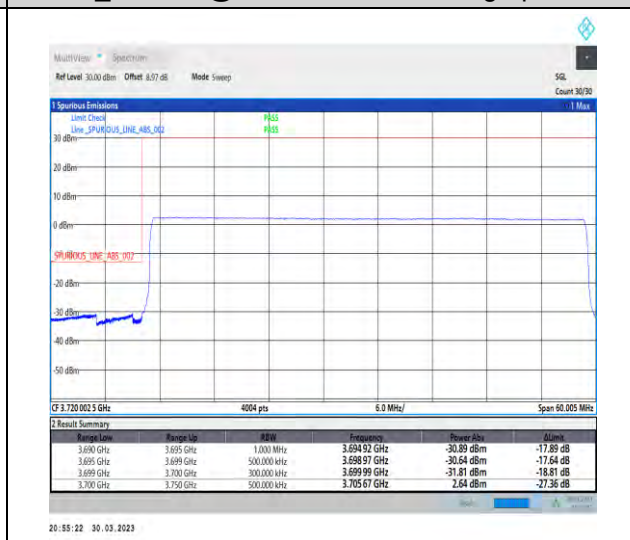
1-N77-3700-3980-30-50-L-1-DFT-PI2BPSK-Edge_1RB
 _Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-50-L-3-DFT-PI2BPSK-Outer
 _Full-128@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-50-L-4-CP-QPSK-Edge_1RB_Lef
 t-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-50-L-6-CP-QPSK-Outer_Full
 -133@0-Ant1-1--PASS-see graph



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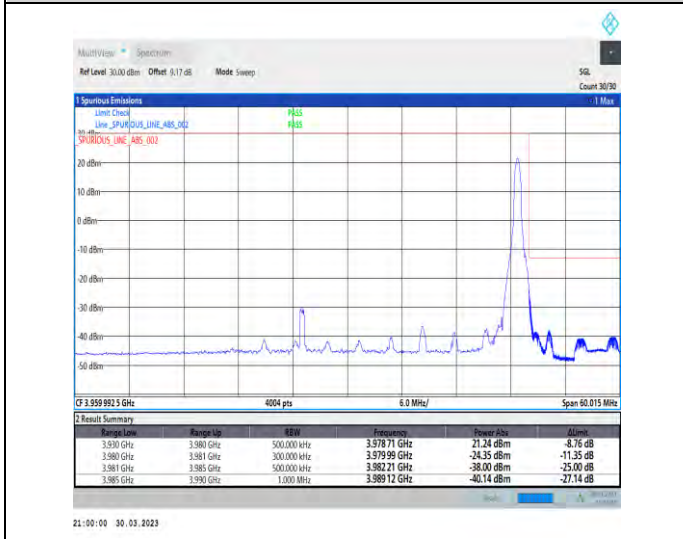
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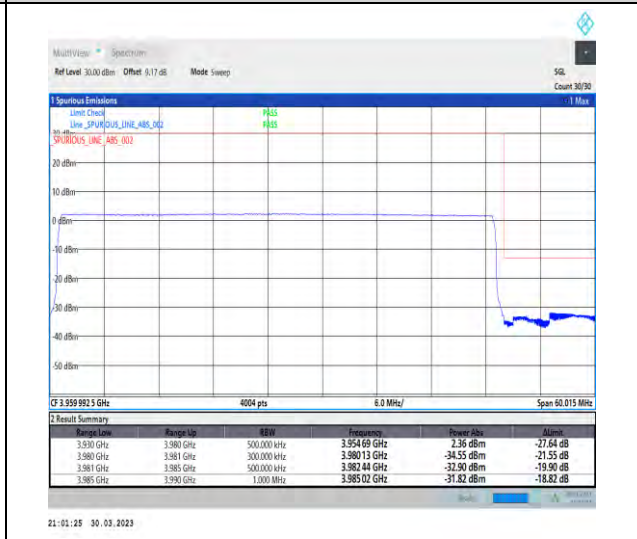
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1-N77-3700-3980-30-50-H-3-DFT-PI2BPSK-Outer_Full-128@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-50-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1--PASS-see graph



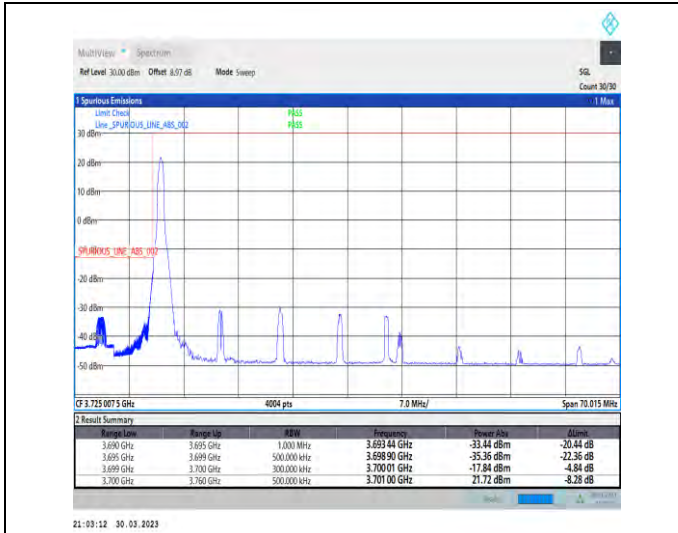
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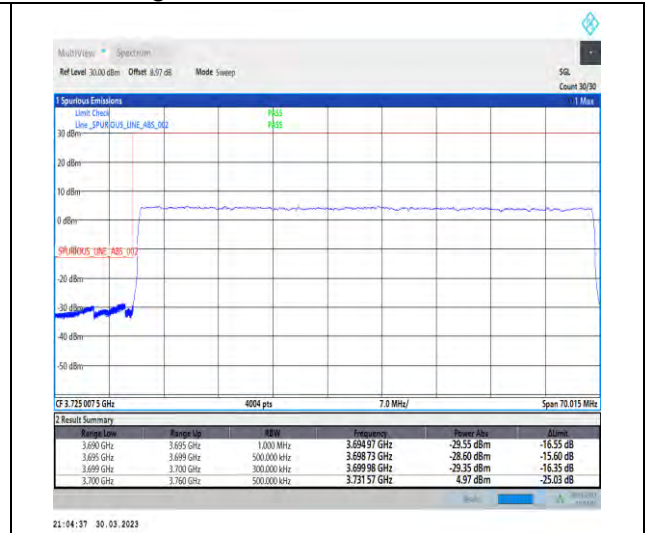
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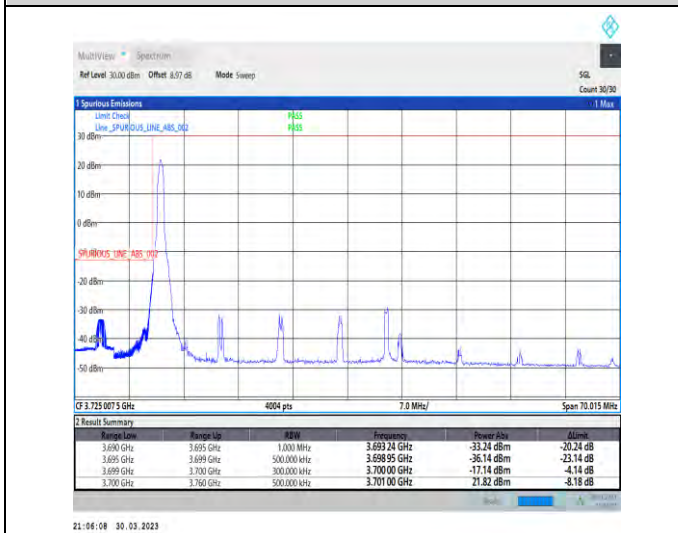
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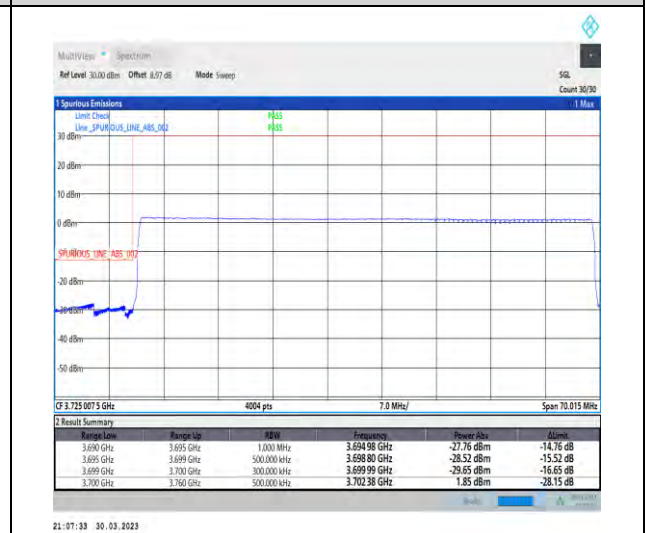
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_Left-1@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-60-L-3-DFT-PI2BPSK-Outer
_Full-162@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-60-L-4-CP-QPSK-Edge_1RB_Lef
t-1@0-Ant1-1--PASS-see graph

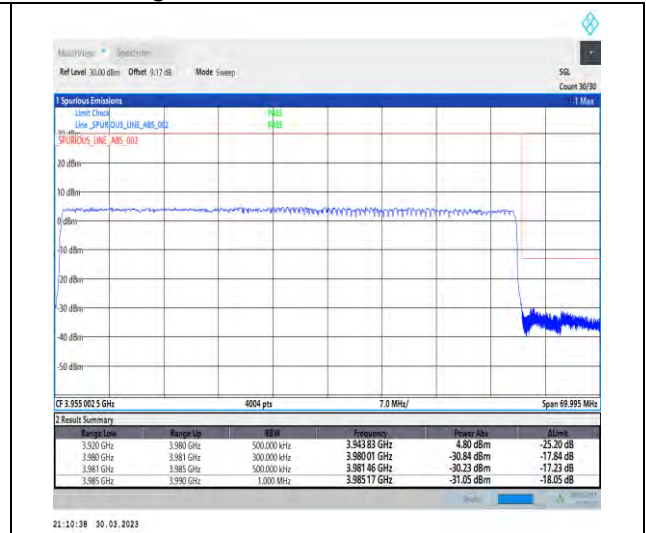
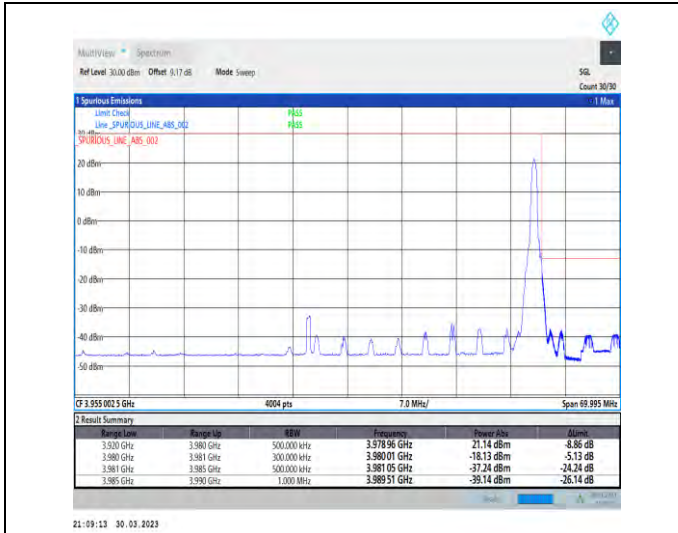


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-162@0-Ant1-1--PASS-see graph



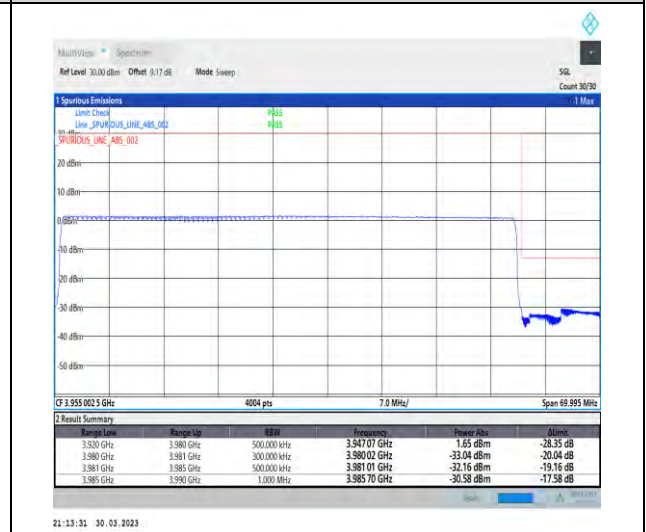
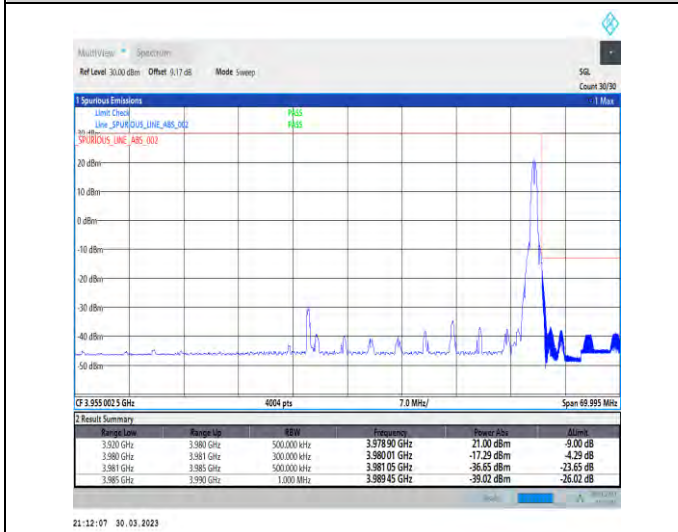
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1-N77-3700-3980-30-60-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@161-Ant1-1--PASS-see graph

1-N77-3700-3980-30-60-H-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-1--PASS-see graph



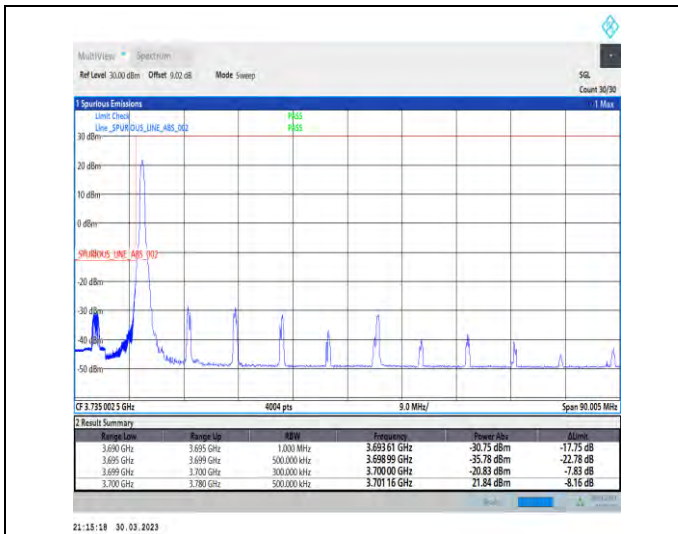
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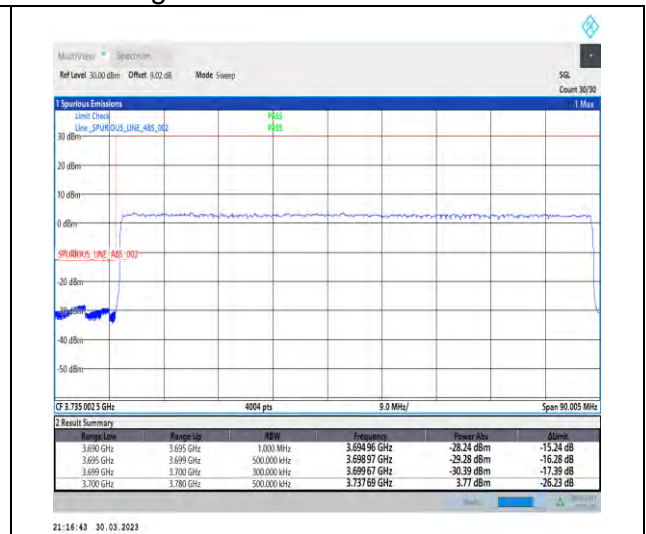


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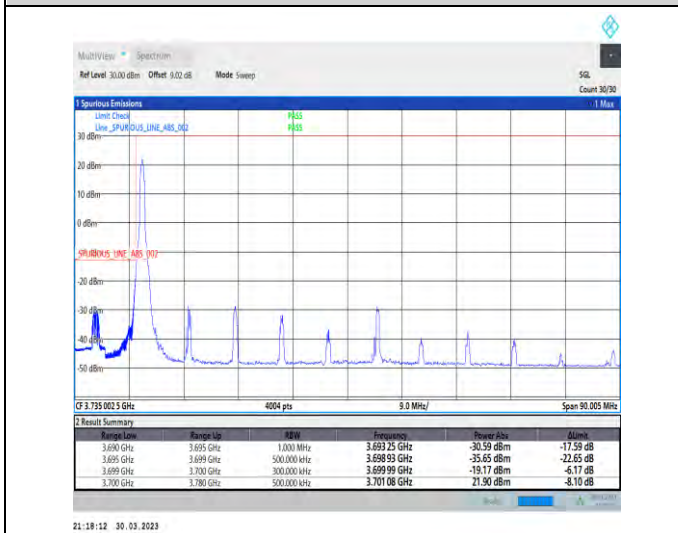
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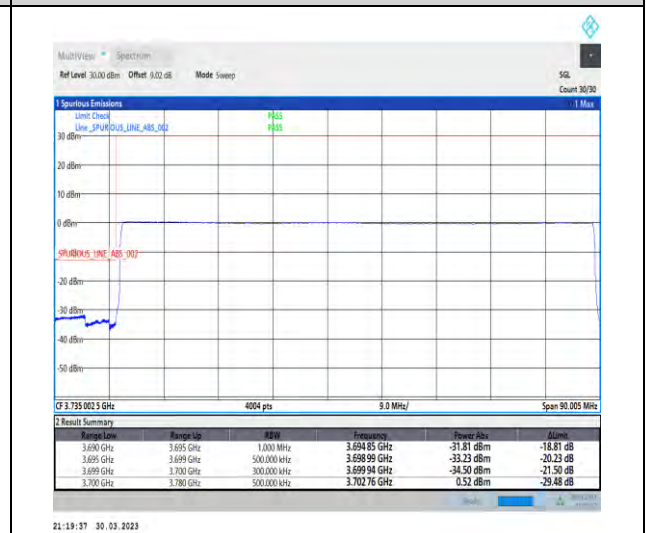
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1-N77-3700-3980-30-80-L-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-80-L-4-CP-QPSK-Edge_1RB_Lef t-1@0-Ant1-1--PASS-see graph

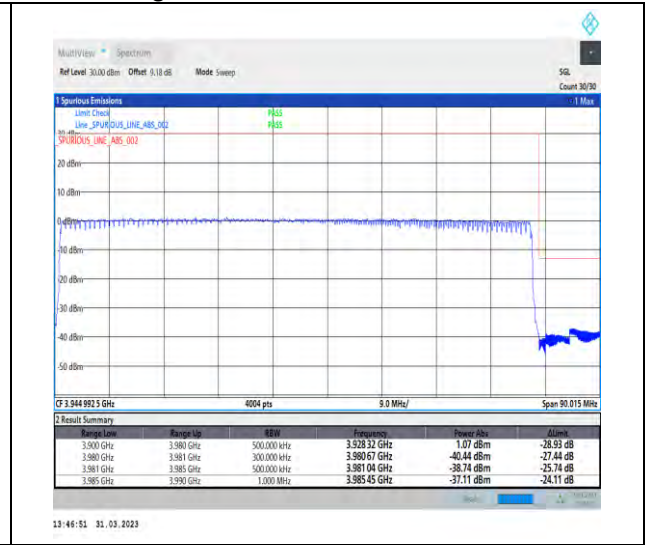
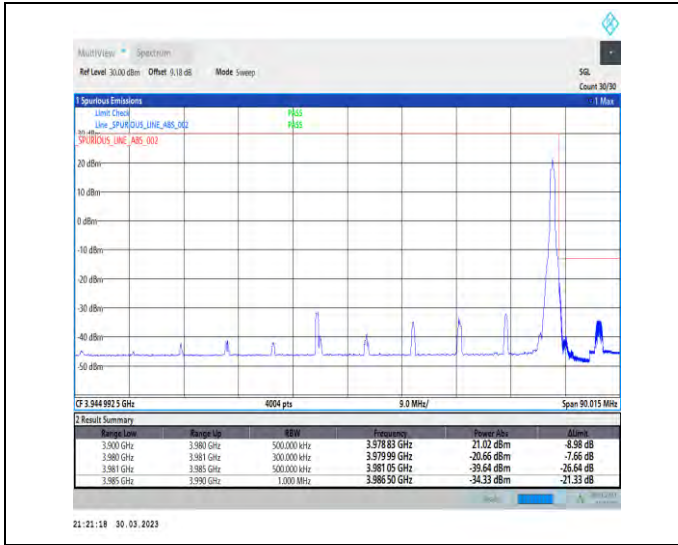


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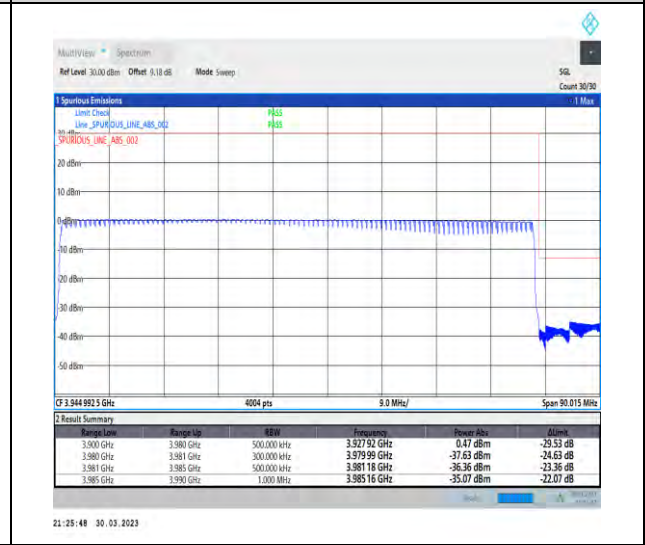
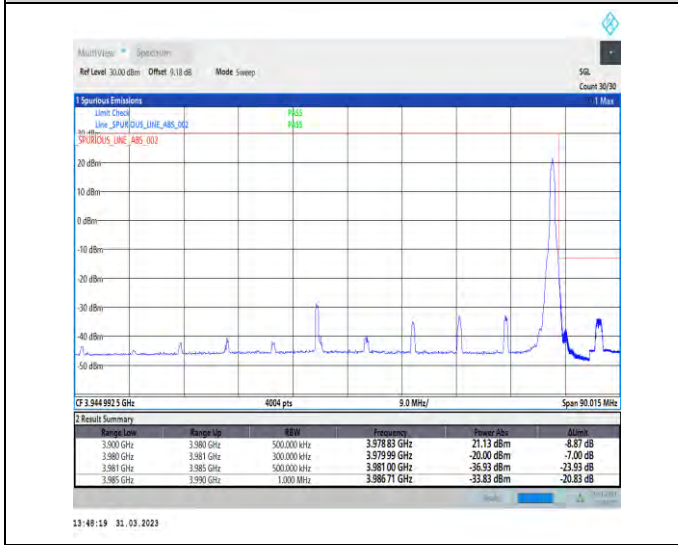
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1-N77-3700-3980-30-80-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@216-Ant1-1--PASS-see graph

1-N77-3700-3980-30-80-H-3-DFT-PI2BPSK-Outer_Full-216@0-Ant1-1--PASS-see graph



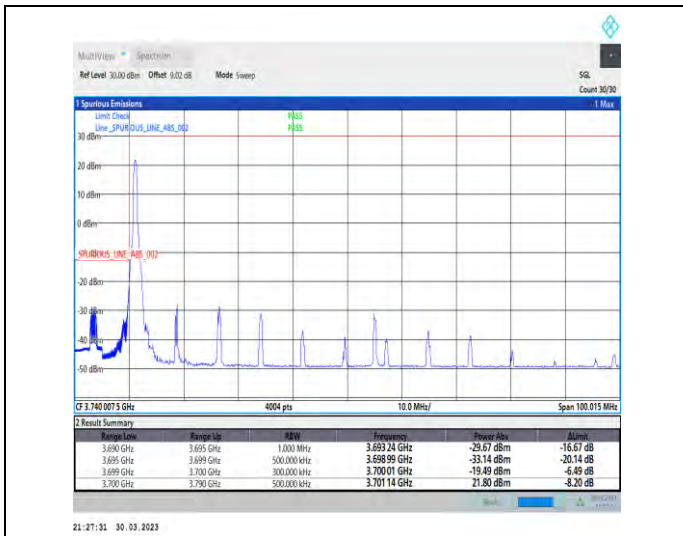
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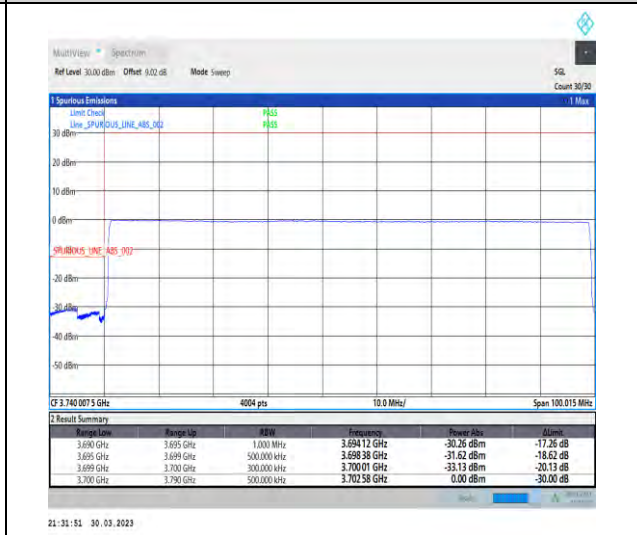
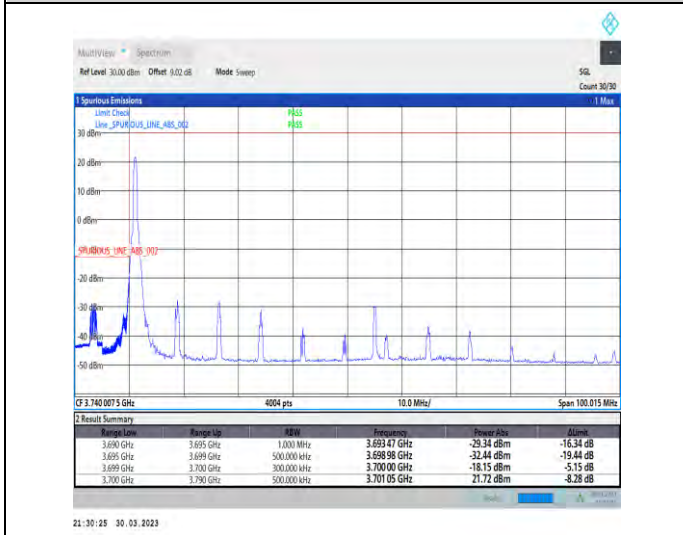
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1-N77-3700-3980-30-90-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-30-90-L-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



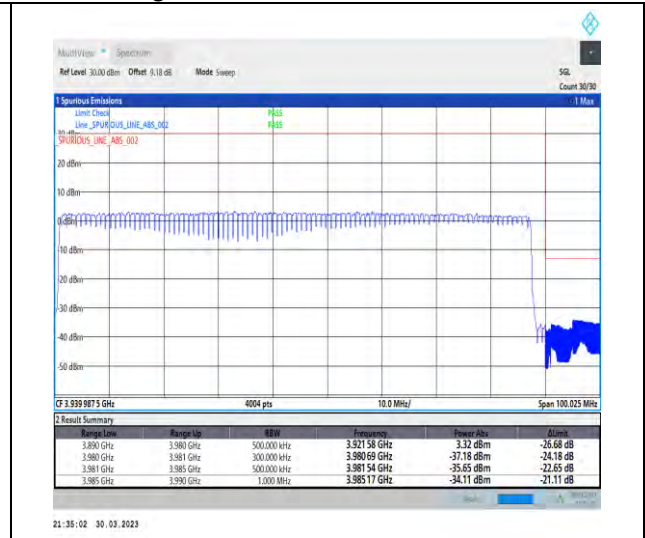
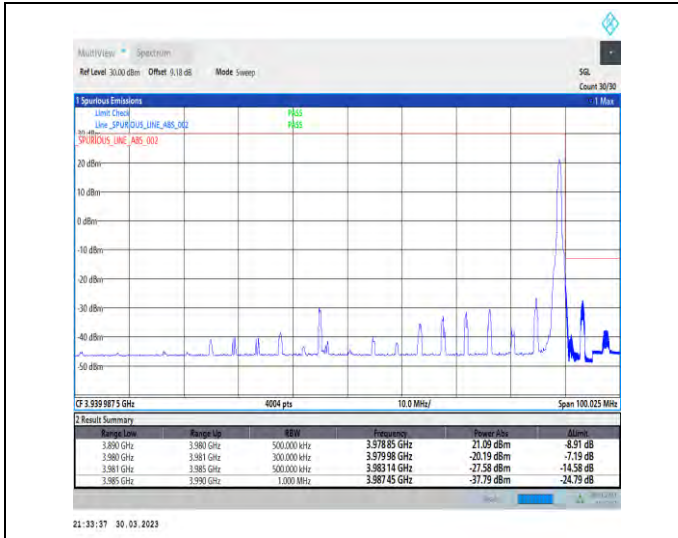
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1-N77-3700-3980-30-90-L-6-CP-QPSK-Outer_Full -245@0-Ant1-1--PASS-see graph



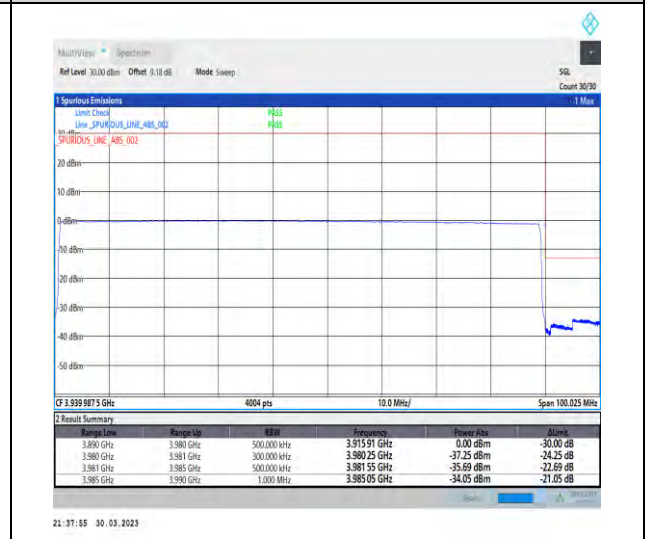
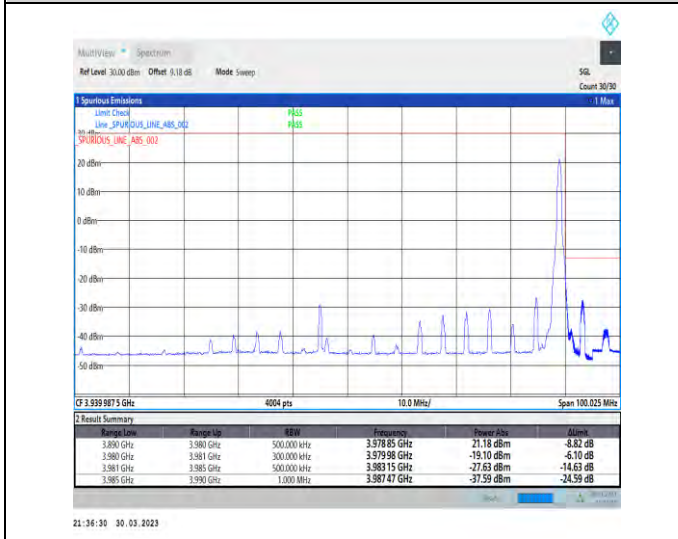
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1-N77-3700-3980-30-90-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@244-Ant1-1--PASS-see graph

1-N77-3700-3980-30-90-H-3-DFT-PI2BPSK-Outer_Full-240@0-Ant1-1--PASS-see graph



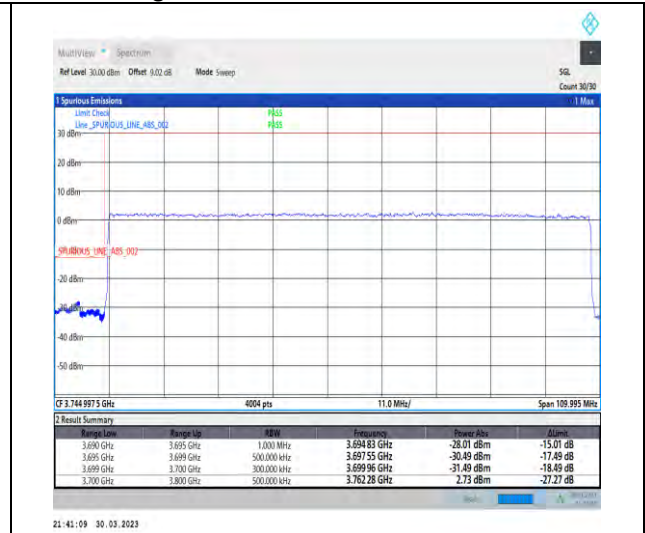
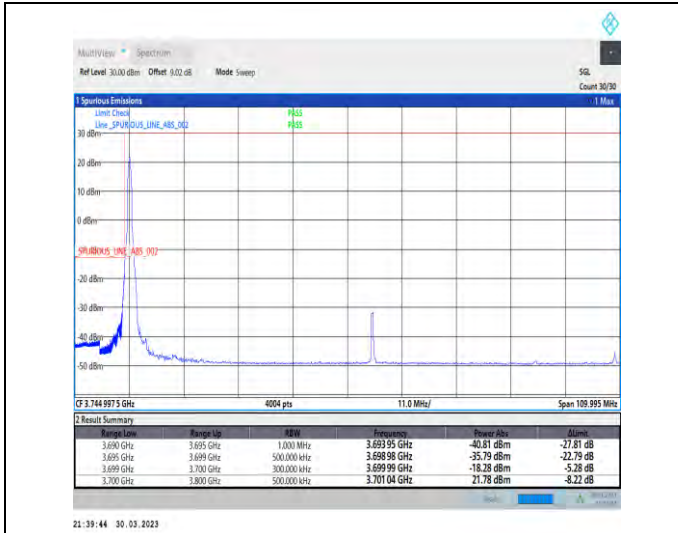
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1-N77-3700-3980-30-90-H-6-CP-QPSK-Outer_Full-245@0-Ant1-1--PASS-see graph



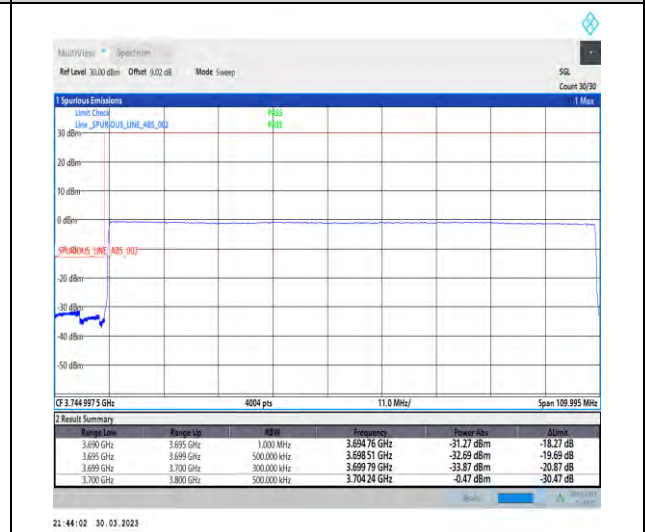
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1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Edge_1R_B_Left-1@0-Ant1-1--PASS-see graph

1-N77-3700-3980-30-100-L-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



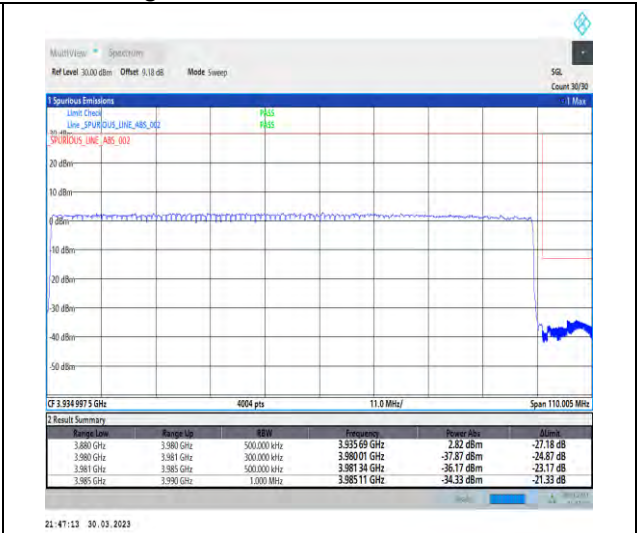
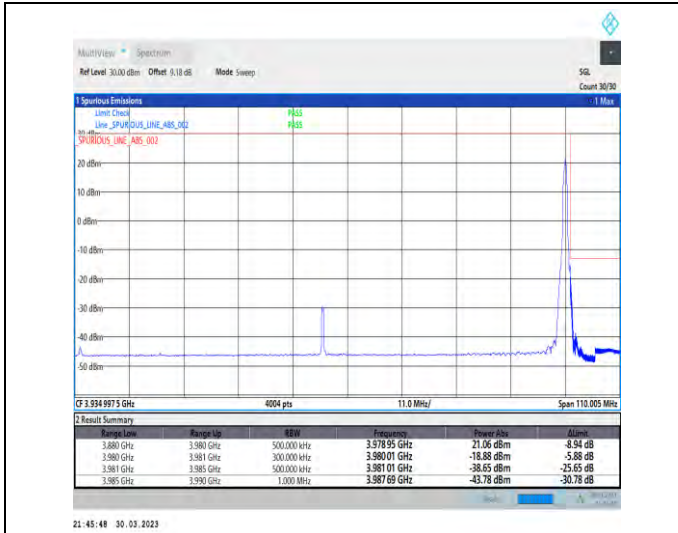
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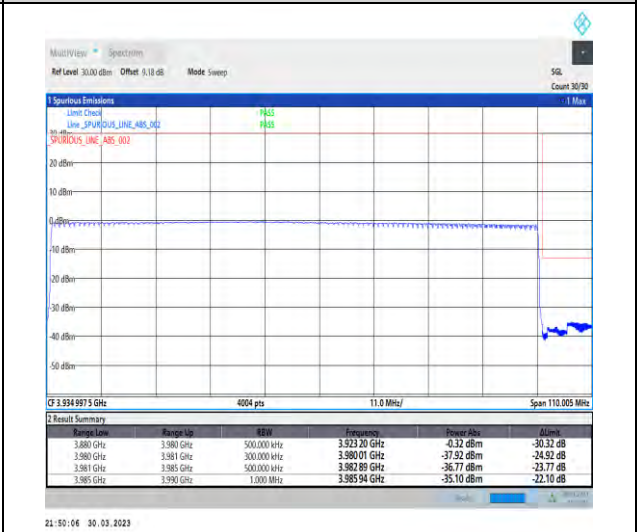
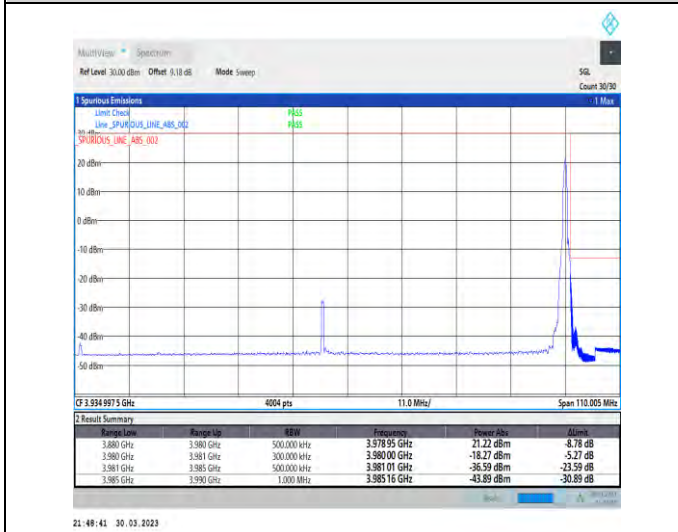
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1-N77-3700-3980-30-100-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@272-Ant1-1--PASS-see graph

1-N77-3700-3980-30-100-H-3-DFT-PI2BPSK-Outer_Full-270@0-Ant1-1--PASS-see graph



1-N77-3700-3980-30-100-H-5-CP-QPSK-Edge_1RB_Right-1@272-Ant1-1--PASS-see graph

1-N77-3700-3980-30-100-H-6-CP-QPSK-Outer_Full-273@0-Ant1-1--PASS-see graph



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Conducted Spurious Emission for SA

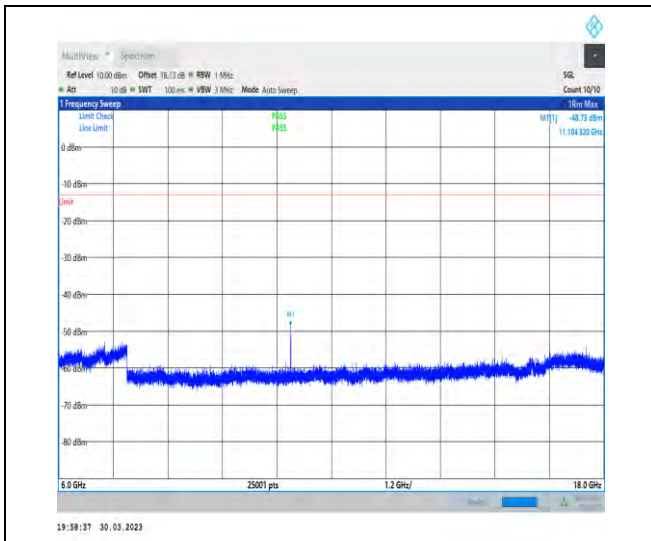
Test Graphs

<p>1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.13--92.90--43-PA SS</p>	<p>1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-30.00--85.51--33-PASS</p>
<p>1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-51.83--67.69--13-PAS S</p>	<p>1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant1-5395.50--37.72--13-PASS</p>

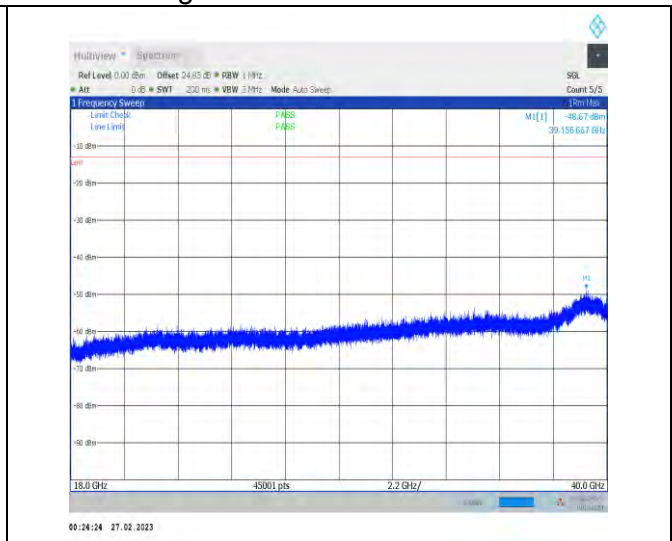


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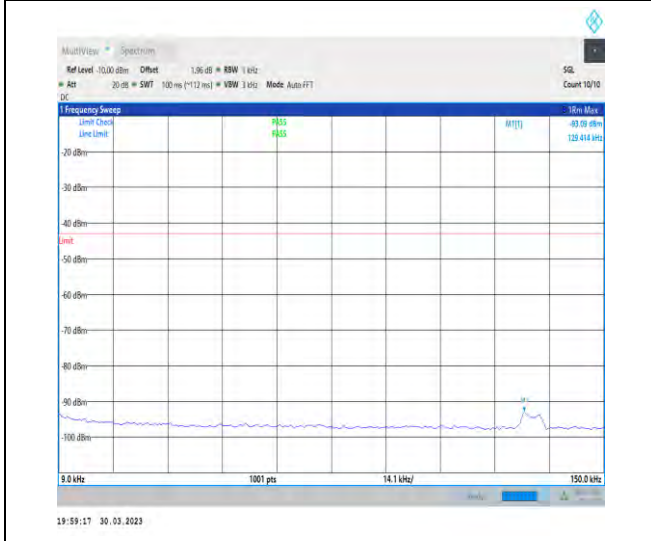
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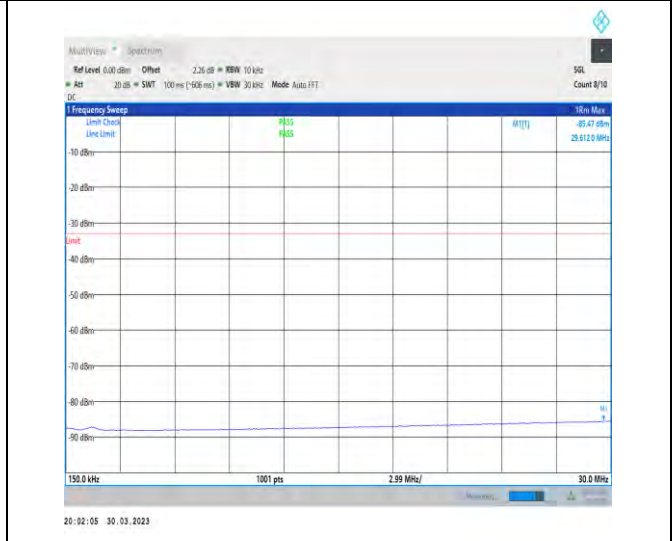
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1-N77-3700-3980-30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00--55.59--13-PASS



1-N77-3700-3980-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.13--93.09--43-PASS



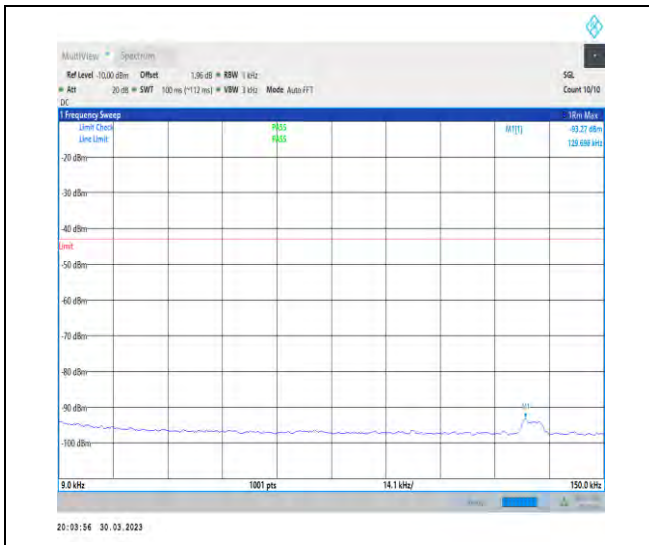
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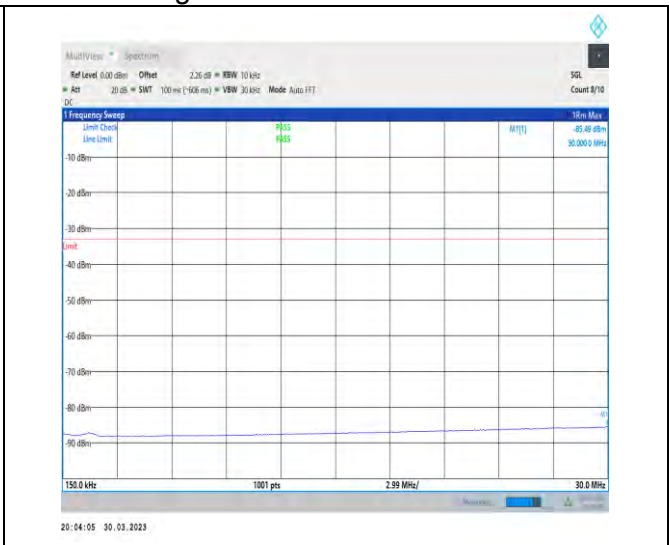
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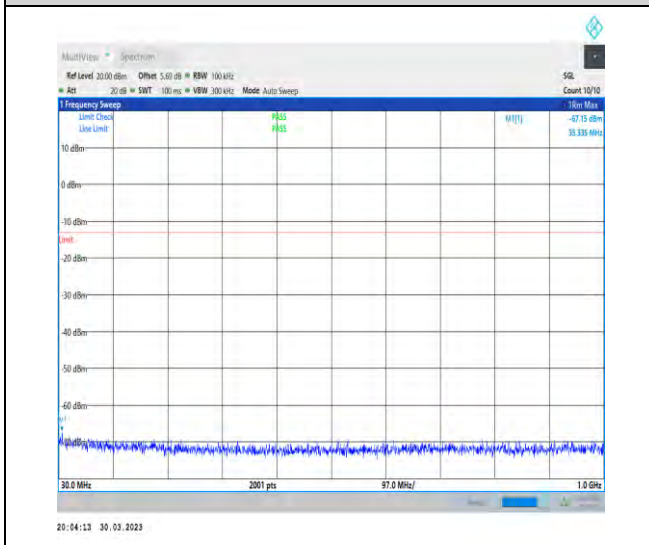
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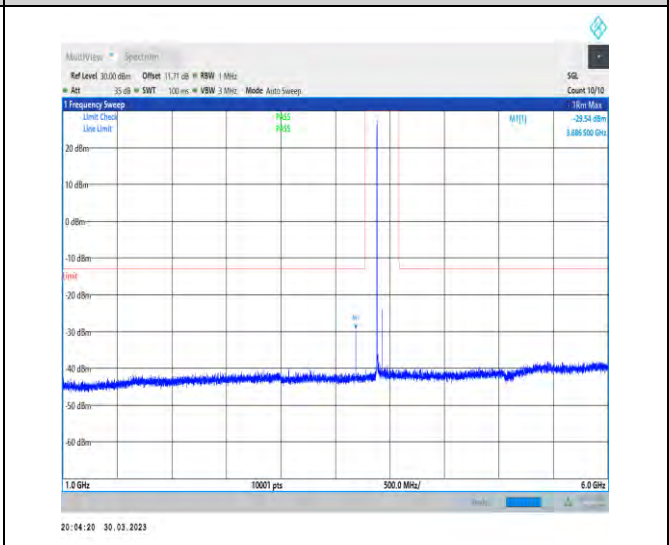
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1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-30.00--85.49--33-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-35.34--67.15--13-PAS S

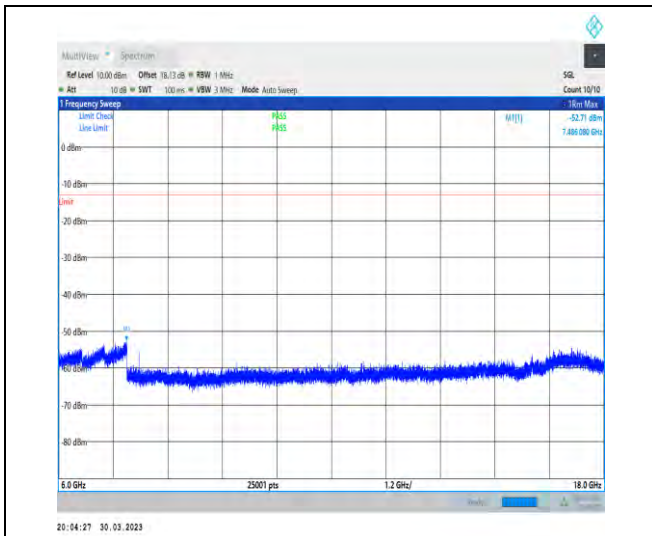


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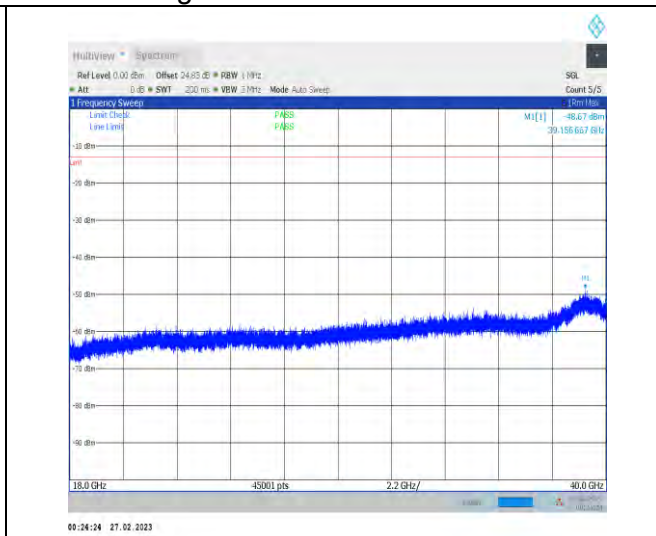


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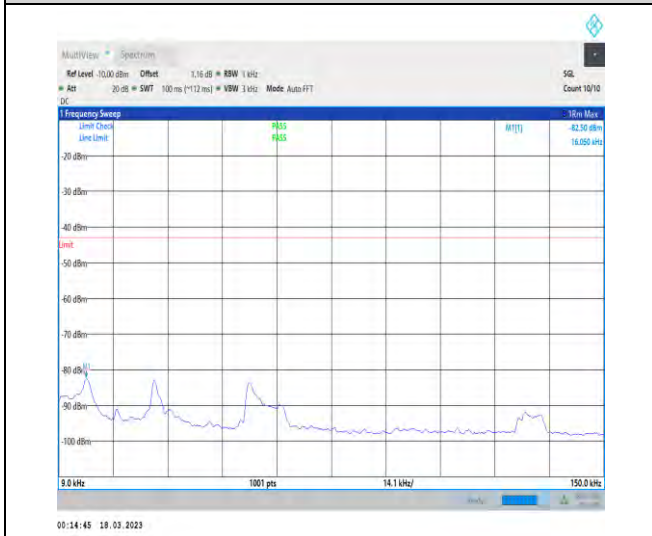
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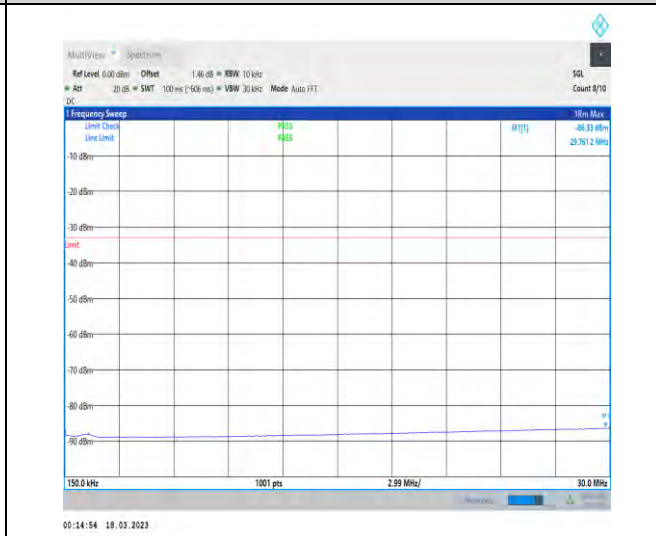
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 3-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant1-18000.00--56.16--1
 3-PASS



1-N77-3700-3980-30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.02--82.50--43-PA
 SS

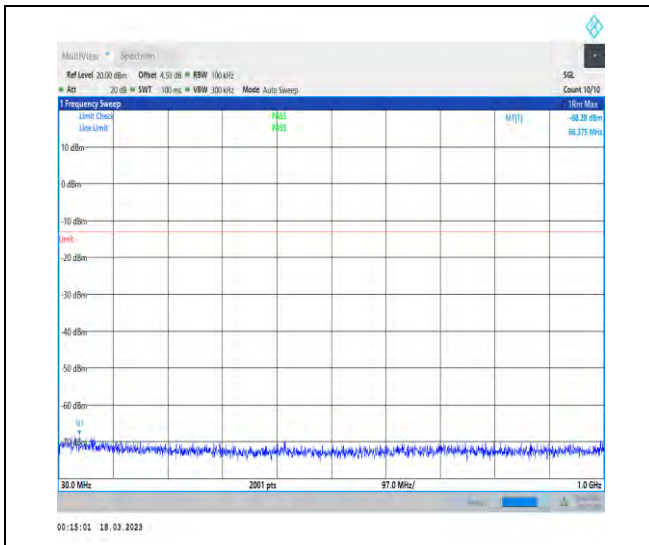


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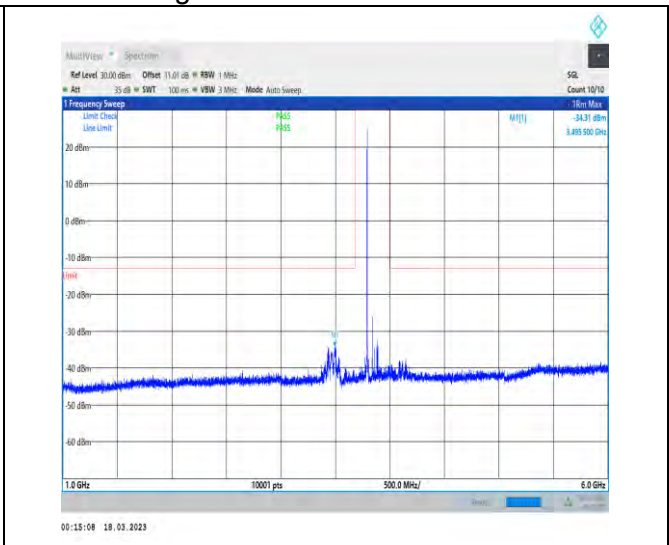


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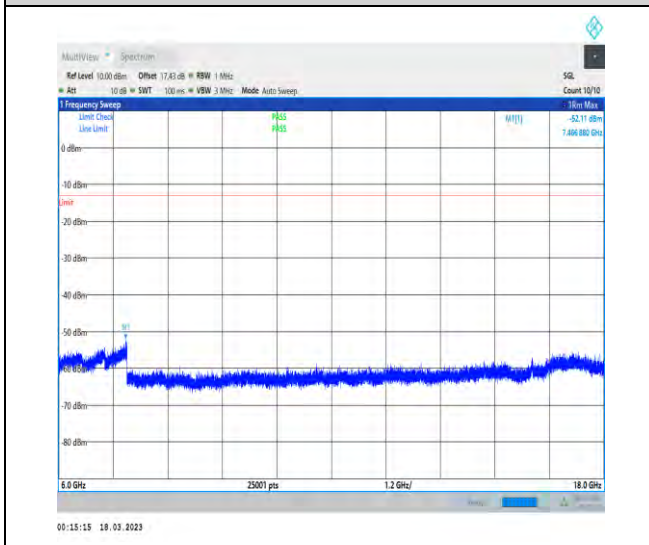
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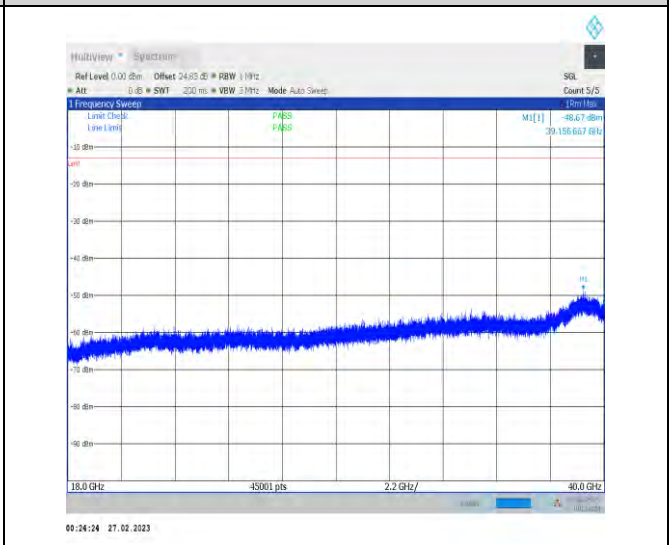
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S



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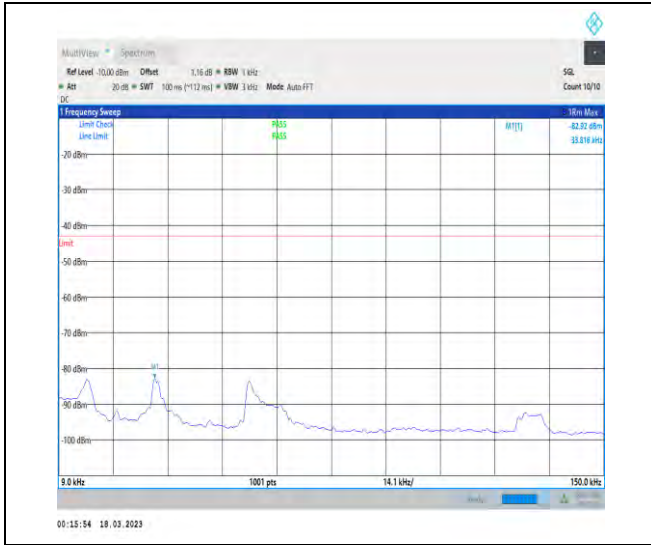


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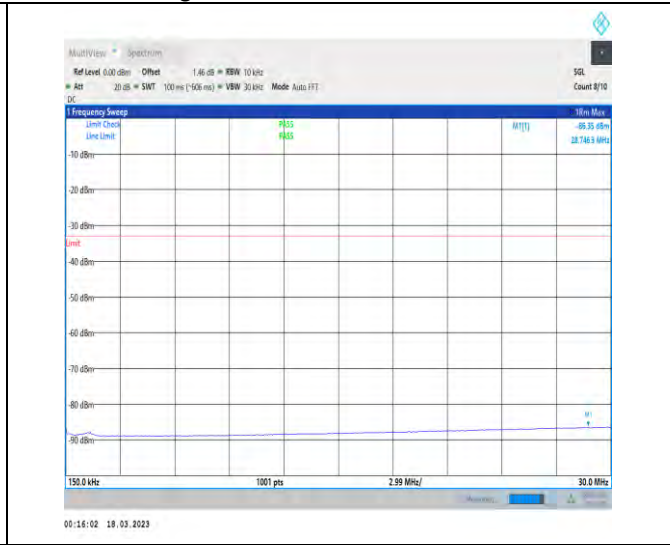
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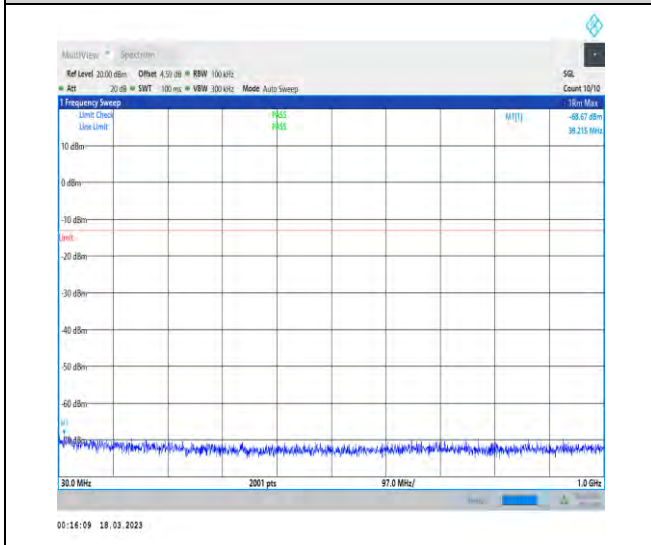
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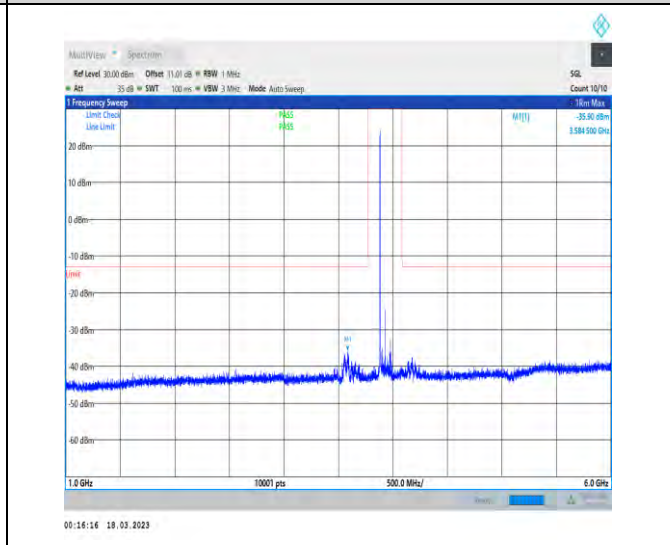
1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.03--82.92--43-PA SS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-28.75--86.35--33-PASS



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-39.22--68.67--13-PAS S



1-N77-3700-3980-30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant1-3584.50--35.90--13-P ASS



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Field Strength of Spurious Radiation

Test Band = NR SA Band 77 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8945.6667	38.22	-38.81	38.54	-57.31	-13.00	44.31	102	357	Horizontal
2	13459.4167	33.68	-34.37	39.88	-56.08	-13.00	43.08	142	334	Horizontal
3	17329.1667	32.50	-31.77	39.92	-54.62	-13.00	41.62	265	110	Horizontal
4	7482.18	38.50	-41.66	36.49	-61.93	-13.00	48.93	284	185	Horizontal
5	11223.27	33.88	-35.10	39.38	-57.10	-13.00	44.10	142	90	Horizontal
6	14964.36	31.07	-34.32	39.24	-59.27	-13.00	46.27	255	90	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	46.05	-41.98	36.44	-54.75	-13.00	41.75	201	277	Vertical
2	9573.375	38.33	-37.87	38.54	-56.25	-13.00	43.25	174	168	Vertical
3	13588.7917	34.63	-34.36	39.95	-55.04	-13.00	42.04	142	37	Vertical
4	17290.3542	32.42	-31.79	39.76	-54.87	-13.00	41.87	265	92	Vertical
5	11223.27	32.73	-35.10	39.38	-58.25	-13.00	45.25	284	3	Vertical
6	14964.36	30.58	-34.32	39.24	-59.76	-13.00	46.76	145	186	Vertical



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Test Band = NR SA Band 77 3700M-3980M_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9566.1875	38.22	-37.89	38.54	-56.38	-13.00	43.38	201	349	Horizontal
2	13606.0417	34.28	-34.44	39.96	-55.46	-13.00	42.46	142	75	Horizontal
3	17934.8333	32.68	-31.23	42.34	-51.47	-13.00	38.47	265	207	Horizontal
4	7590.18	37.66	-41.27	36.68	-62.19	-13.00	49.19	284	4	Horizontal
5	11835.27	32.47	-35.25	38.76	-59.27	-13.00	46.27	142	282	Horizontal
6	15180.36	31.30	-33.62	38.97	-58.61	-13.00	45.61	263	349	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	48.15	-41.30	36.66	-51.75	-13.00	38.75	102	260	Vertical
2	9057.3125	37.36	-38.68	38.59	-57.98	-13.00	44.98	285	359	Vertical
3	13700.4375	34.95	-34.89	40.02	-55.18	-13.00	42.18	254	243	Vertical
4	17698.6042	32.09	-31.06	41.39	-52.84	-13.00	39.84	142	4	Vertical
5	11835.27	32.33	-35.25	38.76	-59.41	-13.00	46.41	263	4	Vertical
6	15180.36	31.59	-33.62	38.97	-58.32	-13.00	45.32	224	356	Vertical



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Test Band = NR SA Band 77 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9010.8333	37.34	-38.66	38.60	-57.98	-13.00	44.98	102	3	Horizontal
2	13448.3958	34.03	-34.48	39.87	-55.84	-13.00	42.84	285	71	Horizontal
3	17919.5	32.70	-31.21	42.28	-51.49	-13.00	38.49	263	323	Horizontal
4	7770.18	38.40	-41.00	37.04	-60.82	-13.00	47.82	254	197	Horizontal
5	11655.27	31.04	-35.22	38.94	-60.49	-13.00	47.49	142	285	Horizontal
6	15540.36	30.79	-33.41	38.50	-59.38	-13.00	46.38	263	268	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9604.5208	38.47	-37.77	38.54	-56.02	-13.00	43.02	201	355	Vertical
2	13471.3958	33.78	-34.25	39.88	-55.85	-13.00	42.85	142	359	Vertical
3	17318.625	32.63	-31.77	39.87	-54.53	-13.00	41.53	142	277	Vertical
4	7770.18	38.01	-41.00	37.04	-61.21	-13.00	48.21	263	313	Vertical
5	11655.27	31.36	-35.22	38.94	-60.17	-13.00	47.17	284	92	Vertical
6	15540.36	31.14	-33.41	38.50	-59.03	-13.00	46.03	153	346	Vertical



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Test Band = NSA_2A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8022.7917	39.06	-40.48	37.53	-59.15	-13.00	46.15	142	127	Horizontal
2	9576.7292	38.52	-37.85	38.54	-56.05	-13.00	43.05	254	326	Horizontal
3	10847.9583	34.10	-35.62	39.43	-57.34	-13.00	44.34	142	145	Horizontal
4	12964.4375	34.80	-34.91	39.56	-55.80	-13.00	42.80	263	37	Horizontal
5	15241.4375	33.74	-33.68	38.89	-56.31	-13.00	43.31	224	309	Horizontal
6	17599.4167	32.39	-31.89	41.00	-53.76	-13.00	40.76	185	18	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	44.17	-41.30	36.66	-55.73	-13.00	42.73	263	143	Vertical
2	10011.3333	35.79	-37.03	38.51	-57.99	-13.00	44.99	295	255	Vertical
3	11237.0417	34.27	-35.12	39.36	-56.75	-13.00	43.75	241	353	Vertical
4	14608.4583	33.89	-34.07	39.59	-55.85	-13.00	42.85	142	217	Vertical
5	17066.1042	33.71	-32.28	38.86	-54.97	-13.00	41.97	255	52	Vertical
6	17973.6458	32.78	-31.28	42.49	-51.26	-13.00	38.26	286	52	Vertical



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Test Band = NSA_2A_n77A 3700M-3980M_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7755.8958	39.29	-41.06	37.01	-60.01	-13.00	47.01	265	105	Horizontal
2	9615.0625	37.80	-37.76	38.54	-56.68	-13.00	43.68	284	360	Horizontal
3	12094.2708	34.60	-35.11	38.69	-57.07	-13.00	44.07	255	3	Horizontal
4	14186.3125	33.44	-34.86	40.01	-56.67	-13.00	43.67	142	160	Horizontal
5	16074.7083	33.40	-33.14	37.95	-57.05	-13.00	44.05	263	88	Horizontal
6	17687.1042	32.03	-31.16	41.35	-53.04	-13.00	40.04	221	359	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	45.70	-41.30	36.66	-54.20	-13.00	41.20	206	256	Vertical
2	9571.9375	39.32	-37.87	38.54	-55.27	-13.00	42.27	265	54	Vertical
3	12078.4583	35.06	-35.15	38.68	-56.67	-13.00	43.67	287	4	Vertical
4	14144.1458	33.68	-34.83	40.06	-56.35	-13.00	43.35	145	4	Vertical
5	16010.5	34.14	-32.54	37.91	-55.75	-13.00	42.75	266	4	Vertical
6	17689.5	31.92	-31.14	41.36	-53.12	-13.00	40.12	241	19	Vertical



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Test Band = NSA_2A_n77A 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8026.625	38.93	-40.47	37.53	-59.27	-13.00	46.27	214	360	Horizontal
2	9558.0417	39.13	-37.91	38.54	-55.50	-13.00	42.50	185	256	Horizontal
3	10855.625	34.38	-35.60	39.44	-57.03	-13.00	44.03	263	331	Horizontal
4	12957.7292	35.19	-34.91	39.56	-55.42	-13.00	42.42	265	184	Horizontal
5	14590.7292	33.65	-34.14	39.61	-56.14	-13.00	43.14	241	72	Horizontal
6	17891.2292	33.01	-31.15	42.16	-51.24	-13.00	38.24	196	359	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	47.32	-41.30	36.66	-52.58	-13.00	39.58	296	271	Vertical
2	8935.6042	38.03	-38.84	38.53	-57.54	-13.00	44.54	265	3	Vertical
3	11476.1458	33.33	-34.91	39.12	-57.71	-13.00	44.71	284	144	Vertical
4	13590.2292	34.76	-34.37	39.95	-54.91	-13.00	41.91	142	360	Vertical
5	16336.3333	33.35	-32.67	38.14	-56.44	-13.00	43.44	255	235	Vertical
6	17993.7708	32.31	-31.30	42.58	-51.68	-13.00	38.68	286	360	Vertical



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Test Band = NSA_5A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7402.2708	40.79	-41.98	36.44	-60.01	-13.00	47.01	142	352	Horizontal
2	8946.625	38.42	-38.81	38.54	-57.11	-13.00	44.11	265	108	Horizontal
3	10711.875	34.42	-35.92	39.28	-57.47	-13.00	44.47	284	324	Horizontal
4	12084.6875	34.67	-35.13	38.68	-57.04	-13.00	44.04	142	16	Horizontal
5	13880.125	33.87	-34.52	40.13	-55.78	-13.00	42.78	263	271	Horizontal
6	17214.1667	33.04	-31.95	39.46	-54.71	-13.00	41.71	224	352	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	48.05	-41.98	36.44	-52.75	-13.00	39.75	102	351	Vertical
2	9451.6667	38.20	-37.88	38.55	-56.39	-13.00	43.39	285	3	Vertical
3	11461.2917	33.74	-35.06	39.14	-57.44	-13.00	44.44	241	211	Vertical
4	13078.4792	34.21	-34.67	39.65	-56.08	-13.00	43.08	142	84	Vertical
5	14609.8958	33.69	-34.07	39.59	-56.05	-13.00	43.05	263	358	Vertical
6	17341.1458	33.02	-31.77	39.96	-54.05	-13.00	41.05	258	156	Vertical



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Test Band = NSA_5A_n77A 3700M-3980M_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9567.1458	38.66	-37.89	38.54	-55.94	-13.00	42.94	201	87	Horizontal
2	13597.8958	34.58	-34.40	39.96	-55.12	-13.00	42.12	184	308	Horizontal
3	17642.0625	32.06	-31.54	41.17	-53.57	-13.00	40.57	142	360	Horizontal
4	7590.18	37.83	-41.27	36.68	-62.02	-13.00	49.02	263	251	Horizontal
5	11835.27	32.69	-35.25	38.76	-59.05	-13.00	46.05	265	3	Horizontal
6	15180.36	30.76	-33.62	38.97	-59.15	-13.00	46.15	288	87	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8914.5208	37.97	-38.91	38.51	-57.69	-13.00	44.69	102	90	Vertical
2	13958.2292	33.68	-34.89	40.17	-56.29	-13.00	43.29	265	235	Vertical
3	17702.4375	32.18	-31.05	41.41	-52.72	-13.00	39.72	284	179	Vertical
4	7590.18	37.67	-41.27	36.68	-62.18	-13.00	49.18	142	360	Vertical
5	11835.27	32.65	-35.25	38.76	-59.09	-13.00	46.09	263	179	Vertical
6	15180.36	30.66	-33.62	38.97	-59.25	-13.00	46.25	228	271	Vertical



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Test Band = NSA_5A_n77A 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8941.8333	38.68	-38.82	38.54	-56.87	-13.00	43.87	206	89	Horizontal
2	12974.0208	35.12	-34.90	39.57	-55.46	-13.00	42.46	265	358	Horizontal
3	17341.625	33.48	-31.77	39.97	-53.59	-13.00	40.59	284	252	Horizontal
4	7770.18	38.14	-41.00	37.04	-61.08	-13.00	48.08	142	3	Horizontal
5	11655.27	30.92	-35.22	38.94	-60.61	-13.00	47.61	263	89	Horizontal
6	15540.36	31.03	-33.41	38.50	-59.14	-13.00	46.14	229	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8713.2708	37.77	-39.21	38.28	-58.42	-13.00	45.42	102	162	Vertical
2	13598.8542	34.39	-34.40	39.96	-55.32	-13.00	42.32	295	34	Vertical
3	17999.5208	32.31	-31.31	42.60	-51.66	-13.00	38.66	284	53	Vertical
4	7770.18	37.87	-41.00	37.04	-61.35	-13.00	48.35	144	360	Vertical
5	11655.27	31.19	-35.22	38.94	-60.34	-13.00	47.34	255	360	Vertical
6	15540.36	30.71	-33.41	38.50	-59.46	-13.00	46.46	226	308	Vertical



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Test Band = NSA_7A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9586.7917	38.43	-37.82	38.54	-56.11	-13.00	43.11	201	3	Horizontal
2	12968.2708	35.12	-34.90	39.57	-55.47	-13.00	42.47	142	52	Horizontal
3	17065.625	33.79	-32.28	38.86	-54.89	-13.00	41.89	265	52	Horizontal
4	7482.18	39.18	-41.66	36.49	-61.25	-13.00	48.25	284	16	Horizontal
5	11223.27	33.22	-35.10	39.38	-57.76	-13.00	44.76	142	306	Horizontal
6	14964.36	31.60	-34.32	39.24	-58.74	-13.00	45.74	263	143	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7402.2708	46.87	-41.98	36.44	-53.93	-13.00	40.93	102	360	Vertical
2	9448.3125	37.68	-37.87	38.56	-56.89	-13.00	43.89	265	350	Vertical
3	13583.5208	34.45	-34.34	39.95	-55.20	-13.00	42.20	284	359	Vertical
4	17315.2708	32.88	-31.77	39.86	-54.29	-13.00	41.29	142	360	Vertical
5	11223.27	32.80	-35.10	39.38	-58.18	-13.00	45.18	263	215	Vertical
6	14964.36	31.22	-34.32	39.24	-59.12	-13.00	46.12	228	87	Vertical



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Test Band = NSA_7A_n77A 3700M-3980M_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9507.7292	38.68	-38.08	38.55	-56.11	-13.00	43.11	241	33	Horizontal
2	13591.1875	34.53	-34.37	39.95	-55.15	-13.00	42.15	185	3	Horizontal
3	17671.7708	32.30	-31.29	41.29	-52.96	-13.00	39.96	265	3	Horizontal
4	7590.18	38.29	-41.27	36.68	-61.56	-13.00	48.56	295	16	Horizontal
5	11835.27	32.59	-35.25	38.76	-59.15	-13.00	46.15	244	321	Horizontal
6	15180.36	31.19	-33.62	38.97	-58.72	-13.00	45.72	142	176	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9559	38.10	-37.91	38.54	-56.53	-13.00	43.53	265	71	Vertical
2	13587.3542	35.15	-34.35	39.95	-54.51	-13.00	41.51	284	37	Vertical
3	17325.8125	32.80	-31.77	39.90	-54.33	-13.00	41.33	142	359	Vertical
4	7590.18	38.02	-41.27	36.68	-61.83	-13.00	48.83	263	271	Vertical
5	11835.27	31.94	-35.25	38.76	-59.80	-13.00	46.80	265	141	Vertical
6	15180.36	30.13	-33.62	38.97	-59.78	-13.00	46.78	283	343	Vertical



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Test Band = NSA_7A_n77A 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9578.1667	37.81	-37.85	38.54	-56.76	-13.00	43.76	201	343	Horizontal
2	13476.6667	34.17	-34.20	39.89	-55.41	-13.00	42.41	142	70	Horizontal
3	17314.7917	32.68	-31.77	39.86	-54.49	-13.00	41.49	269	144	Horizontal
4	7770.18	38.11	-41.00	37.04	-61.11	-13.00	48.11	365	144	Horizontal
5	11655.27	31.59	-35.22	38.94	-59.94	-13.00	46.94	285	70	Horizontal
6	15540.36	30.67	-33.41	38.50	-59.50	-13.00	46.50	241	343	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9576.25	38.57	-37.86	38.54	-56.00	-13.00	43.00	102	295	Vertical
2	13946.25	33.49	-34.77	40.17	-56.37	-13.00	43.37	265	295	Vertical
3	17055.5625	33.74	-32.19	38.82	-54.89	-13.00	41.89	284	360	Vertical
4	7770.18	37.84	-41.00	37.04	-61.38	-13.00	48.38	142	346	Vertical
5	11655.27	31.05	-35.22	38.94	-60.48	-13.00	47.48	255	144	Vertical
6	15540.36	31.06	-33.41	38.50	-59.11	-13.00	46.11	296	360	Vertical



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Test Band = NSA_12A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8926.0208	38.55	-38.87	38.52	-57.06	-13.00	44.06	201	309	Horizontal
2	13580.6458	34.31	-34.32	39.95	-55.33	-13.00	42.33	254	16	Horizontal
3	17961.1875	32.36	-31.26	42.44	-51.71	-13.00	38.71	185	359	Horizontal
4	7482.18	39.58	-41.66	36.49	-60.85	-13.00	47.85	263	127	Horizontal
5	11223.27	32.31	-35.10	39.38	-58.67	-13.00	45.67	265	182	Horizontal
6	14964.36	31.01	-34.32	39.24	-59.33	-13.00	46.33	287	3	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9579.6042	38.43	-37.85	38.54	-56.13	-13.00	43.13	233	161	Vertical
2	13599.8125	34.47	-34.41	39.96	-55.24	-13.00	42.24	265	322	Vertical
3	17643.5	31.83	-31.52	41.17	-53.78	-13.00	40.78	254	289	Vertical
4	7482.18	38.48	-41.66	36.49	-61.95	-13.00	48.95	142	52	Vertical
5	11223.27	32.53	-35.10	39.38	-58.45	-13.00	45.45	255	125	Vertical
6	14964.36	31.39	-34.32	39.24	-58.95	-13.00	45.95	286	142	Vertical



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Test Band = NSA_12A_n77A 3700M-3980M_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9579.6042	38.58	-37.85	38.54	-55.98	-13.00	42.98	263	55	Horizontal
2	13594.5417	34.15	-34.39	39.96	-55.54	-13.00	42.54	265	343	Horizontal
3	17839.9583	32.64	-31.00	41.96	-51.66	-13.00	38.66	241	3	Horizontal
4	7590.18	37.42	-41.27	36.68	-62.43	-13.00	49.43	142	161	Horizontal
5	11835.27	32.67	-35.25	38.76	-59.07	-13.00	46.07	255	359	Horizontal
6	15180.36	30.85	-33.62	38.97	-59.06	-13.00	46.06	286	3	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	46.05	-41.30	36.66	-53.85	-13.00	40.85	201	122	Vertical
2	8925.0625	38.66	-38.87	38.52	-56.96	-13.00	43.96	142	233	Vertical
3	13584.4792	34.83	-34.34	39.95	-54.82	-13.00	41.82	255	122	Vertical
4	17906.5625	32.34	-31.19	42.23	-51.88	-13.00	38.88	263	33	Vertical
5	11835.27	32.14	-35.25	38.76	-59.60	-13.00	46.60	265	360	Vertical
6	15180.36	31.07	-33.62	38.97	-58.84	-13.00	45.84	284	326	Vertical



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Test Band = NSA_12A_n77A 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9576.25	38.09	-37.86	38.54	-56.48	-13.00	43.48	102	35	Horizontal
2	12973.0625	35.00	-34.90	39.57	-55.58	-13.00	42.58	285	107	Horizontal
3	17937.7083	32.23	-31.23	42.35	-51.91	-13.00	38.91	263	325	Horizontal
4	7770.18	38.50	-41.00	37.04	-60.72	-13.00	47.72	265	3	Horizontal
5	11655.27	31.25	-35.22	38.94	-60.28	-13.00	47.28	241	352	Horizontal
6	15540.36	30.68	-33.41	38.50	-59.49	-13.00	46.49	142	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7006.9583	41.76	-42.42	36.20	-59.71	-13.00	46.71	102	352	Vertical
2	9582	37.94	-37.84	38.54	-56.62	-13.00	43.62	285	359	Vertical
3	13456.0625	33.94	-34.40	39.87	-55.85	-13.00	42.85	263	288	Vertical
4	7770.18	37.81	-41.00	37.04	-61.41	-13.00	48.41	142	3	Vertical
5	11655.27	31.35	-35.22	38.94	-60.18	-13.00	47.18	263	3	Vertical
6	15540.36	31.84	-33.41	38.50	-58.33	-13.00	45.33	221	160	Vertical



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Test Band = NSA_13A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9592.5417	38.65	-37.80	38.54	-55.87	-13.00	42.87	296	248	Horizontal
2	13625.2083	34.31	-34.53	39.98	-55.51	-13.00	42.51	265	142	Horizontal
3	17465.7292	32.41	-31.85	40.46	-54.23	-13.00	41.23	284	357	Horizontal
4	7482.18	39.31	-41.66	36.49	-61.12	-13.00	48.12	254	360	Horizontal
5	11223.27	32.96	-35.10	39.38	-58.02	-13.00	45.02	142	35	Horizontal
6	14964.36	31.15	-34.32	39.24	-59.19	-13.00	46.19	201	357	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9427.7083	38.04	-37.77	38.56	-56.44	-13.00	43.44	102	230	Vertical
2	12718.625	34.47	-35.30	39.32	-56.78	-13.00	43.78	296	87	Vertical
3	16855.75	33.78	-32.31	38.50	-55.29	-13.00	42.29	265	358	Vertical
4	7482.18	39.27	-41.66	36.49	-61.16	-13.00	48.18	284	360	Vertical
5	11223.27	32.89	-35.10	39.38	-58.09	-13.00	45.09	142	286	Vertical
6	14964.36	30.68	-34.32	39.24	-59.66	-13.00	46.66	263	3	Vertical



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Test Band = NSA_13A_n77A 3700M-3980M_ TM1

Test Channel = Mid Channel

Final 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	37.73	-39.67	38.06	-59.13	-13.00	46.13	296	108	Horizontal
2	10092.7917	35.80	-36.88	38.60	-57.74	-13.00	44.74	265	89	Horizontal
3	12366.9167	33.58	-35.18	38.97	-57.90	-13.00	44.90	284	344	Horizontal
4	13600.7708	34.38	-34.41	39.96	-55.33	-13.00	42.33	142	271	Horizontal
5	14607.0208	33.44	-34.06	39.59	-56.29	-13.00	43.29	255	359	Horizontal
6	17345.4583	32.29	-31.77	39.98	-54.76	-13.00	41.76	185	89	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	47.12	-41.30	36.66	-52.78	-13.00	39.78	201	266	Vertical
2	8699.375	37.57	-39.25	38.27	-58.67	-13.00	45.67	142	350	Vertical
3	10189.1042	35.76	-36.63	38.71	-57.42	-13.00	44.42	265	359	Vertical
4	11466.5625	33.53	-35.01	39.13	-57.60	-13.00	44.60	284	124	Vertical
5	13670.25	34.06	-34.75	40.00	-55.95	-13.00	42.95	142	357	Vertical
6	16427.8542	33.30	-32.40	38.20	-56.16	-13.00	43.16	263	321	Vertical



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Test Band = NSA_13A_n77A 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9325.1667	36.81	-38.20	38.57	-58.09	-13.00	45.09	201	360	Horizontal
2	13463.7292	34.41	-34.33	39.88	-55.30	-13.00	42.30	142	181	Horizontal
3	17331.5625	33.22	-31.77	39.93	-53.89	-13.00	40.89	265	360	Horizontal
4	7770.18	38.48	-41.00	37.04	-60.74	-13.00	47.74	284	181	Horizontal
5	11655.27	31.13	-35.22	38.94	-60.40	-13.00	47.40	255	289	Horizontal
6	15540.36	30.38	-33.41	38.50	-59.79	-13.00	46.79	124	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9030	37.50	-38.67	38.60	-57.83	-13.00	44.83	281	35	Vertical
2	10331.4167	35.58	-36.75	38.86	-57.56	-13.00	44.56	265	252	Vertical
3	12972.1042	34.89	-34.90	39.57	-55.70	-13.00	42.70	144	235	Vertical
4	7770.18	38.58	-41.00	37.04	-60.64	-13.00	47.64	255	88	Vertical
5	11655.27	30.82	-35.22	38.94	-60.71	-13.00	47.71	263	359	Vertical
6	15540.36	31.65	-33.41	38.50	-58.52	-13.00	45.52	366	359	Vertical



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Test Band = NSA_14A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7857	39.45	-40.78	37.21	-59.37	-13.00	46.37	201	70	Horizontal
2	10227.4375	36.52	-36.67	38.75	-56.66	-13.00	43.66	142	89	Horizontal
3	12579.6667	33.43	-34.67	39.18	-57.32	-13.00	44.32	265	106	Horizontal
4	13586.3958	34.65	-34.35	39.95	-55.01	-13.00	42.01	284	341	Horizontal
5	16366.5208	33.72	-32.44	38.16	-55.82	-13.00	42.82	321	216	Horizontal
6	17820.7917	33.24	-30.94	41.88	-51.08	-13.00	38.08	185	252	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7739.6042	39.57	-41.12	36.98	-59.83	-13.00	46.83	201	137	Vertical
2	8520.6458	37.87	-39.66	38.07	-58.98	-13.00	45.98	142	191	Vertical
3	10599.2708	34.18	-36.11	39.16	-58.03	-13.00	45.03	265	137	Vertical
4	12960.125	34.82	-34.91	39.56	-55.79	-13.00	42.79	284	227	Vertical
5	15108.2292	33.83	-33.90	39.06	-56.27	-13.00	43.27	142	84	Vertical
6	16611.375	34.00	-32.50	38.33	-55.43	-13.00	42.43	263	355	Vertical



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Test Band = NSA_14A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7779.8542	40.05	-40.96	37.06	-59.11	-13.00	46.11	201	178	Horizontal
2	9503.8958	38.08	-38.09	38.55	-56.72	-13.00	43.72	142	360	Horizontal
3	10846.5208	34.37	-35.62	39.43	-57.08	-13.00	44.08	265	344	Horizontal
4	13585.9167	34.71	-34.35	39.95	-54.95	-13.00	41.95	284	235	Horizontal
5	16077.5833	33.18	-33.17	37.95	-57.29	-13.00	44.29	142	108	Horizontal
6	17647.8125	32.59	-31.49	41.19	-52.97	-13.00	39.97	263	291	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	45.83	-41.30	36.66	-54.07	-13.00	41.07	362	251	Vertical
2	8958.125	38.17	-38.78	38.55	-57.31	-13.00	44.31	241	196	Vertical
3	11215.4792	33.71	-35.09	39.38	-57.26	-13.00	44.26	142	342	Vertical
4	13052.6042	34.61	-34.74	39.63	-55.76	-13.00	42.76	255	251	Vertical
5	14533.2292	34.17	-34.81	39.67	-56.23	-13.00	43.23	286	360	Vertical
6	17087.1875	34.12	-32.47	38.95	-54.67	-13.00	41.67	221	124	Vertical



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Test Band = NSA_14A-n77A 3700M-3980M_TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8027.5833	38.98	-40.47	37.53	-59.22	-13.00	46.22	254	288	Horizontal
2	9538.875	38.19	-37.98	38.55	-56.50	-13.00	43.50	142	161	Horizontal
3	10854.1875	34.35	-35.60	39.44	-57.07	-13.00	44.07	263	359	Horizontal
4	13582.0833	34.68	-34.33	39.95	-54.96	-13.00	41.96	268	254	Horizontal
5	15218.4375	33.66	-33.60	38.92	-56.29	-13.00	43.29	255	235	Horizontal
6	17430.75	32.26	-31.81	40.32	-54.49	-13.00	41.49	274	3	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	44.40	-41.30	36.66	-55.50	-13.00	42.50	102	254	Vertical
2	9427.2292	37.36	-37.77	38.56	-57.12	-13.00	44.12	285	16	Vertical
3	11173.3125	33.53	-35.09	39.43	-57.40	-13.00	44.40	244	354	Vertical
4	12971.625	34.88	-34.90	39.57	-55.71	-13.00	42.71	142	107	Vertical
5	14604.1458	33.40	-34.05	39.60	-56.31	-13.00	43.31	255	359	Vertical
6	17334.4375	32.76	-31.77	39.94	-54.34	-13.00	41.34	263	326	Vertical



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Test Band = NSA_26A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8295.4375	38.33	-40.33	37.82	-59.44	-13.00	46.44	263	181	Horizontal
2	10227.9167	36.24	-36.67	38.75	-56.94	-13.00	43.94	262	360	Horizontal
3	12113.4375	34.41	-35.10	38.71	-57.24	-13.00	44.24	142	89	Horizontal
4	13590.7083	34.58	-34.37	39.95	-55.09	-13.00	42.09	255	290	Horizontal
5	16213.1875	33.06	-32.11	38.05	-56.26	-13.00	43.26	287	360	Horizontal
6	17830.8542	32.91	-30.97	41.92	-51.40	-13.00	38.40	174	53	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7582.4375	44.11	-41.30	36.66	-55.79	-13.00	42.79	201	273	Vertical
2	8517.7708	38.11	-39.66	38.07	-58.75	-13.00	45.75	142	343	Vertical
3	9939.9375	35.68	-37.16	38.51	-58.24	-13.00	45.24	263	200	Vertical
4	12401.4167	34.24	-35.27	39.00	-57.29	-13.00	44.29	265	360	Vertical
5	14128.3333	33.89	-34.81	40.07	-56.11	-13.00	43.11	298	129	Vertical
6	17925.7292	32.88	-31.21	42.30	-51.29	-13.00	38.29	274	359	Vertical



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Test Band = NSA_26A_n77A 3700M-3980M_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7837.8333	39.41	-40.81	37.18	-59.49	-13.00	46.49	102	312	Horizontal
2	9028.5625	37.69	-38.66	38.60	-57.64	-13.00	44.64	265	16	Horizontal
3	11465.6042	34.38	-35.02	39.13	-56.76	-13.00	43.76	284	145	Horizontal
4	13814.4792	34.02	-35.20	40.09	-56.35	-13.00	43.35	255	312	Horizontal
5	16802.0833	34.01	-32.63	38.46	-55.42	-13.00	42.42	142	258	Horizontal
6	17827.5	32.26	-30.96	41.91	-52.05	-13.00	39.05	201	107	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	44.00	-41.30	36.66	-55.90	-13.00	42.90	263	3	Vertical
2	9049.6458	37.30	-38.67	38.60	-58.04	-13.00	45.04	285	72	Vertical
3	10336.6875	35.77	-36.73	38.87	-57.35	-13.00	44.35	241	127	Vertical
4	13654.4375	34.61	-34.67	39.99	-55.33	-13.00	42.33	142	19	Vertical
5	15225.625	33.57	-33.63	38.91	-56.41	-13.00	43.41	255	89	Vertical
6	17050.2917	33.64	-32.14	38.80	-54.96	-13.00	41.96	296	72	Vertical



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Test Band = NSA_26A_n77A 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7800.4583	39.42	-40.88	37.10	-59.62	-13.00	46.62	362	346	Horizontal
2	9623.6875	37.40	-37.75	38.54	-57.07	-13.00	44.07	285	359	Horizontal
3	11734.4167	33.63	-35.04	38.87	-57.81	-13.00	44.81	244	359	Horizontal
4	13815.4375	34.60	-35.19	40.09	-55.76	-13.00	42.76	142	256	Horizontal
5	17051.7292	33.74	-32.16	38.81	-54.87	-13.00	41.87	263	90	Horizontal
6	18000	32.24	-31.31	42.60	-51.73	-13.00	38.73	222	3	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7581.9583	47.15	-41.30	36.66	-52.75	-13.00	39.75	201	271	Vertical
2	9573.8542	37.92	-37.86	38.54	-56.66	-13.00	43.66	142	360	Vertical
3	11855.6458	33.76	-35.15	38.74	-57.90	-13.00	44.90	265	360	Vertical
4	14248.125	33.75	-34.92	39.95	-56.48	-13.00	43.48	285	352	Vertical
5	16931.4583	33.67	-31.93	38.55	-54.97	-13.00	41.97	274	252	Vertical
6	17997.125	32.55	-31.31	42.59	-51.43	-13.00	38.43	142	52	Vertical



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Test Band = NSA_41A_n77A 3700M-3980M_ TM1

Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9320.8542	36.59	-38.24	38.57	-58.34	-13.00	45.34	263	353	Horizontal
2	12967.3125	34.99	-34.90	39.57	-55.61	-13.00	42.61	284	38	Horizontal
3	16839.4583	33.74	-32.40	38.49	-55.44	-13.00	42.44	254	360	Horizontal
4	7482.18	38.84	-41.66	36.49	-61.59	-13.00	48.59	142	272	Horizontal
5	11223.27	32.33	-35.10	39.38	-58.65	-13.00	45.65	263	308	Horizontal
6	14964.36	31.52	-34.32	39.24	-58.82	-13.00	45.82	225	163	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	46.44	-41.98	36.44	-54.36	-13.00	41.36	255	360	Vertical
2	9326.125	36.50	-38.20	38.57	-58.39	-13.00	45.39	254	354	Vertical
3	12968.2708	34.72	-34.90	39.57	-55.87	-13.00	42.87	142	34	Vertical
4	17319.5833	33.13	-31.77	39.88	-54.02	-13.00	41.02	266	328	Vertical
5	11223.27	33.00	-35.10	39.38	-57.98	-13.00	44.98	365	272	Vertical
6	14964.36	31.51	-34.32	39.24	-58.83	-13.00	45.83	221	345	Vertical



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Test Band = NSA_41A_n77A 3700M-3980M_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7852.2083	39.29	-40.79	37.20	-59.55	-13.00	46.55	102	18	Horizontal
2	10222.1667	36.53	-36.66	38.74	-56.64	-13.00	43.64	142	167	Horizontal
3	11472.7917	34.11	-34.94	39.13	-56.97	-13.00	43.97	265	255	Horizontal
4	12975.4583	34.65	-34.89	39.58	-55.93	-13.00	42.93	284	358	Horizontal
5	16427.8542	33.26	-32.40	38.20	-56.20	-13.00	43.20	142	114	Horizontal
6	17909.9167	31.99	-31.19	42.24	-52.22	-13.00	39.22	263	255	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	47.54	-41.98	36.44	-53.26	-13.00	40.26	196	360	Vertical
2	8520.6458	37.91	-39.66	38.07	-58.94	-13.00	45.94	265	360	Vertical
3	10845.5625	34.35	-35.62	39.43	-57.10	-13.00	44.10	284	360	Vertical
4	12956.2917	34.55	-34.91	39.56	-56.07	-13.00	43.07	142	200	Vertical
5	15225.1458	33.89	-33.63	38.91	-56.09	-13.00	43.09	263	360	Vertical
6	17321.9792	32.79	-31.77	39.89	-54.35	-13.00	41.35	228	34	Vertical



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Test Band = NSA_41A_n77A 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9459.3333	37.46	-37.92	38.55	-57.16	-13.00	44.16	241	34	Horizontal
2	13024.8125	34.93	-34.81	39.61	-55.52	-13.00	42.52	142	360	Horizontal
3	17330.125	33.13	-31.77	39.92	-53.98	-13.00	40.98	255	179	Horizontal
4	7770.18	38.10	-41.00	37.04	-61.12	-13.00	48.12	263	306	Horizontal
5	11655.27	31.38	-35.22	38.94	-60.15	-13.00	47.15	265	53	Horizontal
6	15540.36	31.76	-33.41	38.50	-58.41	-13.00	45.41	287	162	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9572.8958	38.53	-37.87	38.54	-56.05	-13.00	43.05	201	216	Vertical
2	13466.6042	33.69	-34.30	39.88	-55.99	-13.00	42.99	142	105	Vertical
3	17337.3125	33.35	-31.77	39.95	-53.73	-13.00	40.73	265	16	Vertical
4	7770.18	37.92	-41.00	37.04	-61.30	-13.00	48.30	285	16	Vertical
5	11655.27	31.37	-35.22	38.94	-60.16	-13.00	47.16	241	359	Vertical
6	15540.36	31.26	-33.41	38.50	-58.91	-13.00	45.91	142	69	Vertical



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Test Band = NSA_66A_n77A 3700M-3980M_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7733.375	39.24	-41.15	36.97	-60.20	-13.00	47.20	263	322	Horizontal
2	9590.625	38.62	-37.81	38.54	-55.91	-13.00	42.91	295	303	Horizontal
3	10850.3542	34.35	-35.61	39.44	-57.08	-13.00	44.08	284	352	Horizontal
4	13507.8125	33.40	-34.00	39.90	-55.96	-13.00	42.96	145	352	Horizontal
5	15117.8125	33.53	-33.86	39.05	-56.54	-13.00	43.54	254	322	Horizontal
6	17670.8125	32.06	-31.30	41.28	-53.21	-13.00	40.21	252	360	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7402.2708	47.33	-41.98	36.44	-53.47	-13.00	40.47	102	360	Vertical
2	9073.6042	37.17	-38.69	38.59	-58.18	-13.00	45.18	265	342	Vertical
3	11481.8958	33.32	-34.85	39.12	-57.67	-13.00	44.67	284	342	Vertical
4	12224.125	33.71	-35.14	38.82	-57.86	-13.00	44.86	142	272	Vertical
5	13960.1458	33.39	-34.91	40.18	-56.60	-13.00	43.60	263	107	Vertical
6	16831.3125	34.36	-32.45	38.48	-54.87	-13.00	41.87	255	160	Vertical



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Test Band = NSA_66A_n77A 3700M-3980M_ TM1

Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	8914.5208	37.84	-38.91	38.51	-57.82	-13.00	44.82	265	179	Horizontal
2	13587.8333	34.75	-34.36	39.95	-54.91	-13.00	41.91	284	3	Horizontal
3	17910.3958	32.32	-31.19	42.24	-51.89	-13.00	38.89	142	255	Horizontal
4	7590.18	37.84	-41.27	36.68	-62.01	-13.00	49.01	263	34	Horizontal
5	11835.27	31.74	-35.25	38.76	-60.00	-13.00	47.00	255	330	Horizontal
6	15180.36	31.87	-33.62	38.97	-58.04	-13.00	45.04	185	355	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9518.75	38.04	-38.04	38.55	-56.71	-13.00	43.71	102	125	Vertical
2	13453.6667	34.61	-34.43	39.87	-55.21	-13.00	42.21	266	357	Vertical
3	17642.5417	33.12	-31.53	41.17	-52.50	-13.00	39.50	255	231	Vertical
4	7590.18	38.08	-41.27	36.68	-61.77	-13.00	48.77	142	339	Vertical
5	11835.27	31.70	-35.25	38.76	-60.04	-13.00	47.04	285	178	Vertical
6	15180.36	30.40	-33.62	38.97	-59.51	-13.00	46.51	243	359	Vertical



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Test Band = NSA_66A_n77A 3700M-3980M_ TM1

Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7837.3542	39.52	-40.81	37.17	-59.38	-13.00	46.38	102	221	Horizontal
2	9604.0417	38.08	-37.77	38.54	-56.42	-13.00	43.42	254	358	Horizontal
3	11733.4583	33.49	-35.04	38.87	-57.94	-13.00	44.94	142	111	Horizontal
4	14114.9167	33.54	-34.80	40.09	-56.44	-13.00	43.44	285	354	Horizontal
5	16375.625	33.50	-32.37	38.16	-55.97	-13.00	42.97	263	354	Horizontal
6	17591.2708	32.40	-31.89	40.97	-53.78	-13.00	40.78	258	92	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7401.7917	46.89	-41.98	36.44	-53.91	-13.00	40.91	201	352	Vertical
2	8512.9792	37.66	-39.67	38.06	-59.20	-13.00	46.20	142	290	Vertical
3	10463.6667	34.87	-36.48	39.01	-57.86	-13.00	44.86	255	359	Vertical
4	13593.5833	34.59	-34.38	39.96	-55.10	-13.00	42.10	286	54	Vertical
5	16079.9792	33.33	-33.19	37.96	-57.17	-13.00	44.17	263	180	Vertical
6	17813.6042	33.10	-30.92	41.85	-51.23	-13.00	38.23	255	360	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	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	-6.400000	-0.001667	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-7.900000	-0.002057	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-4.900000	-0.001276	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VH	NT	-16.200000	-0.004219	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VN	NT	-3.400000	-0.000885	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	VL	NT	8.700000	0.002266	PASS

Frequency Error VS. Temperature

Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	5.500000	0.001432	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-2.900000	-0.000755	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	-4.200000	-0.001094	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-1.900000	-0.000495	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	13.900000	0.003620	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	9.300000	0.002422	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	-3.400000	-0.000885	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	3.900000	0.001016	PASS
N77-3700-3980	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	7.200000	0.001875	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-30	-7.600000	-0.001979	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-20	-6.700000	-0.001745	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	-10	-11.200000	-0.002917	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	0	-0.200000	-0.000052	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	10	0.600000	0.000156	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	20	-0.300000	-0.000078	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	30	-14.400000	-0.003750	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	40	-6.600000	-0.001719	PASS
N77-3700-3980	30	100	CP-QPSK	M	Outer_Full	NV	50	-14.200000	-0.003698	PASS

---End of Attachment---



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