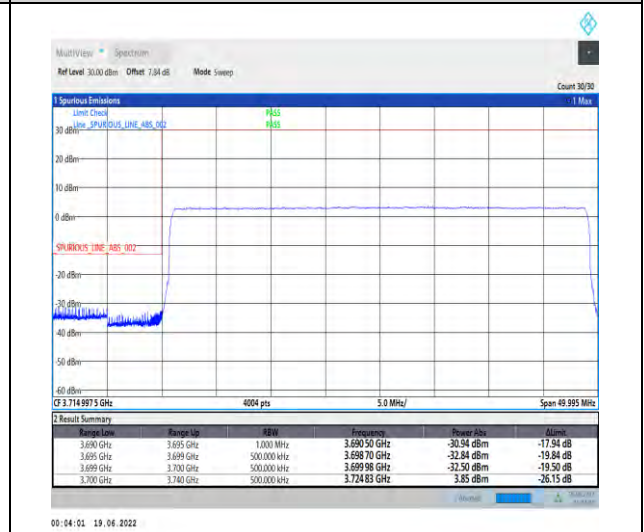
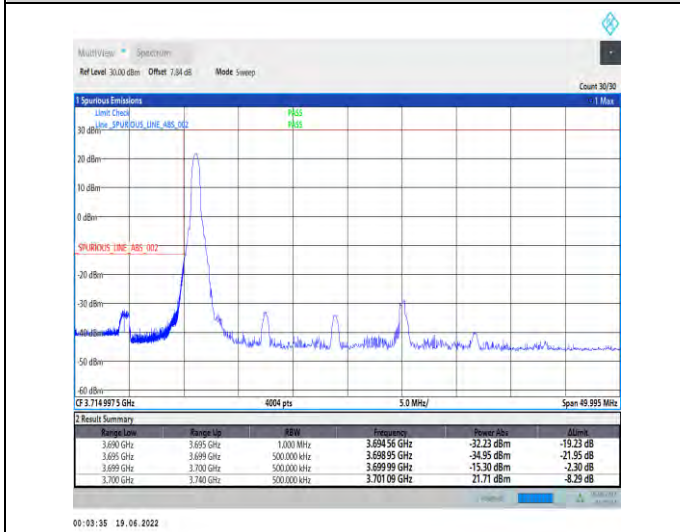


1-N77-3700-3980--30-40-L-1-DFT-PI2BPSK-Edge_1R_B_Left-1@0-Ant1-PASS-see graph

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



1-N77-3700-3980--30-40-L-4-CP-QPSK-Edge_1RB_L_eff-1@0-Ant1-PASS-see graph

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



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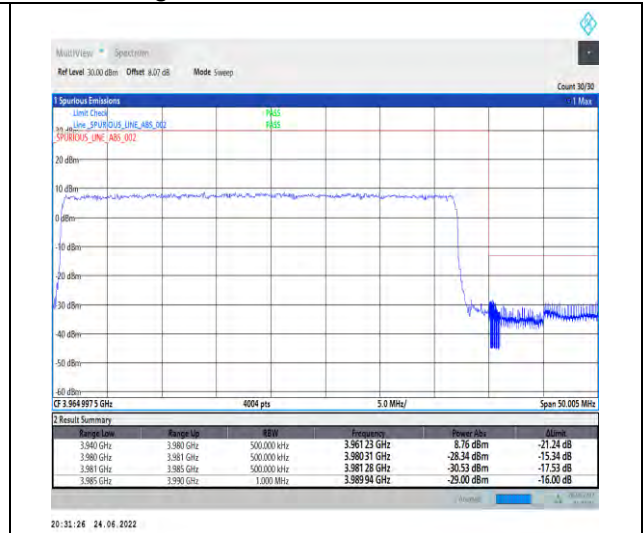
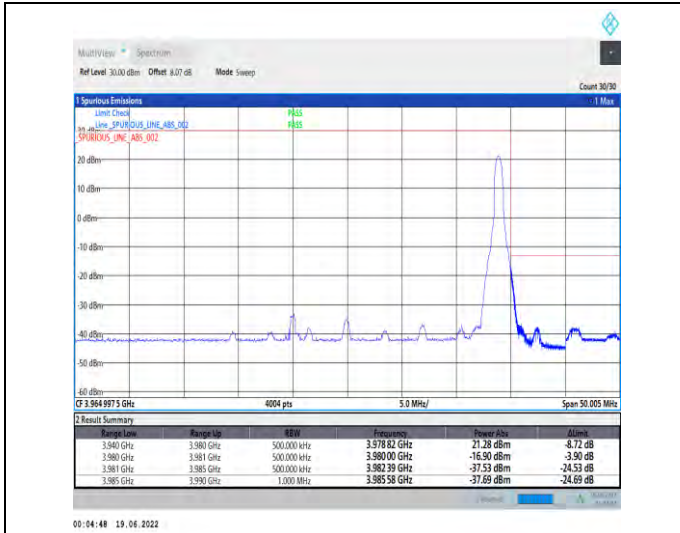
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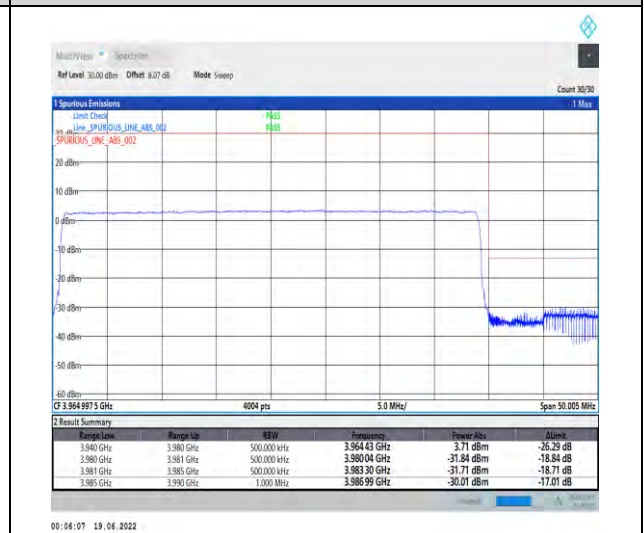
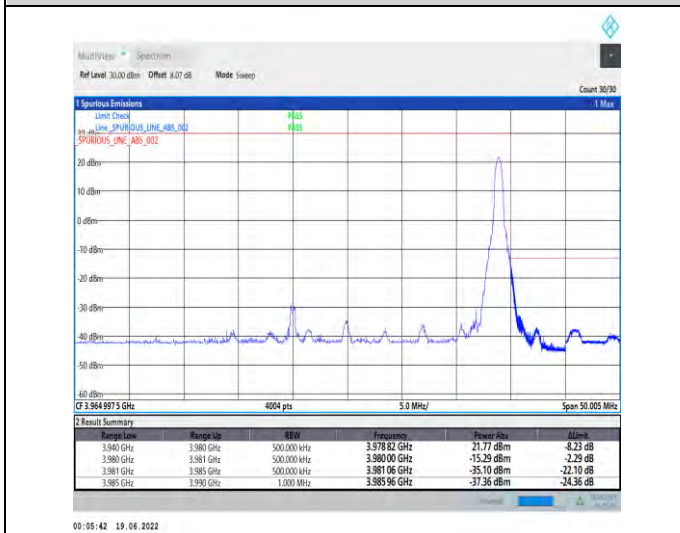
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1-N77-3700-3980--30-40-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@105-Ant1-PASS-see graph

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



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

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



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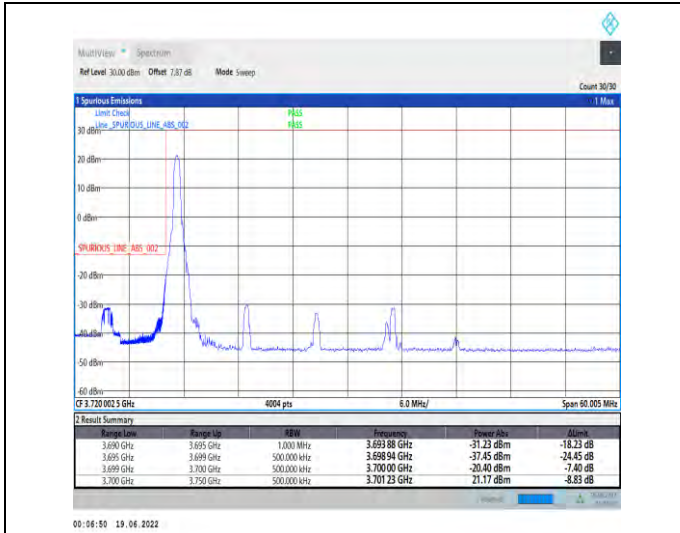
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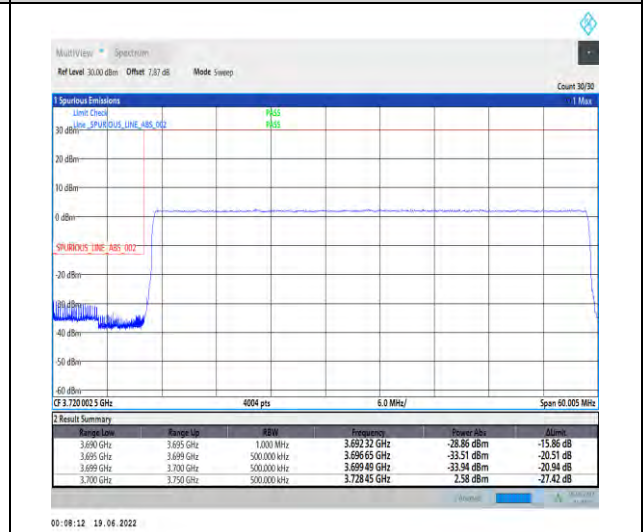
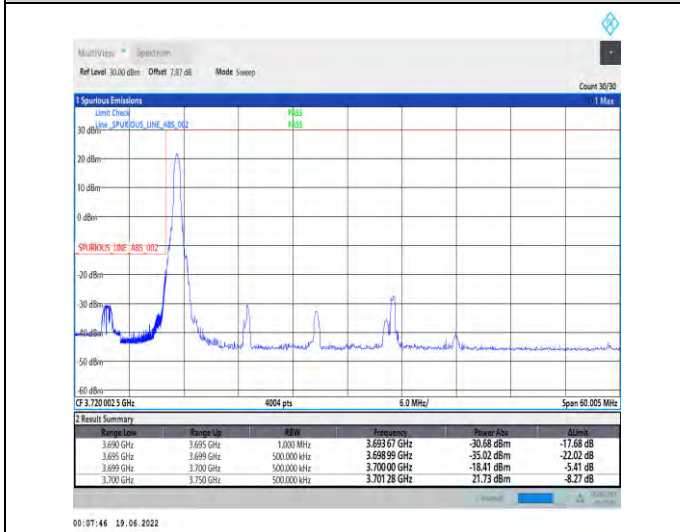
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1-N77-3700-3980--30-50-L-1-DFT-PI2BPSK-Edge_1R_B_Left-1@0-Ant1-PASS-see graph

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



1-N77-3700-3980--30-50-L-4-CP-QPSK-Edge_1RB_L_eff-1@0-Ant1-PASS-see graph

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

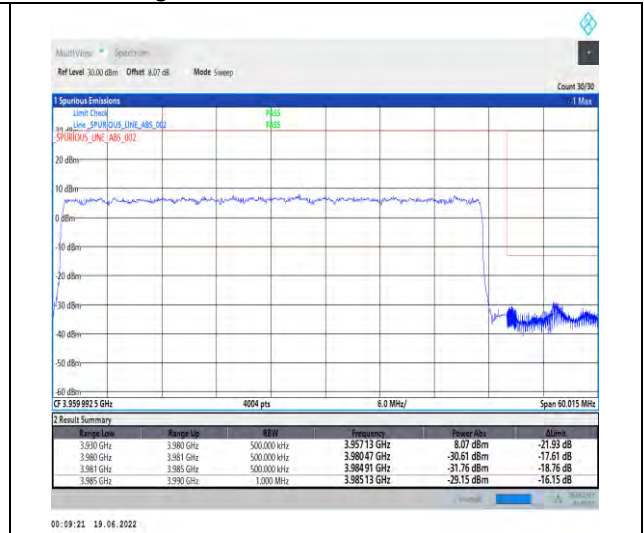
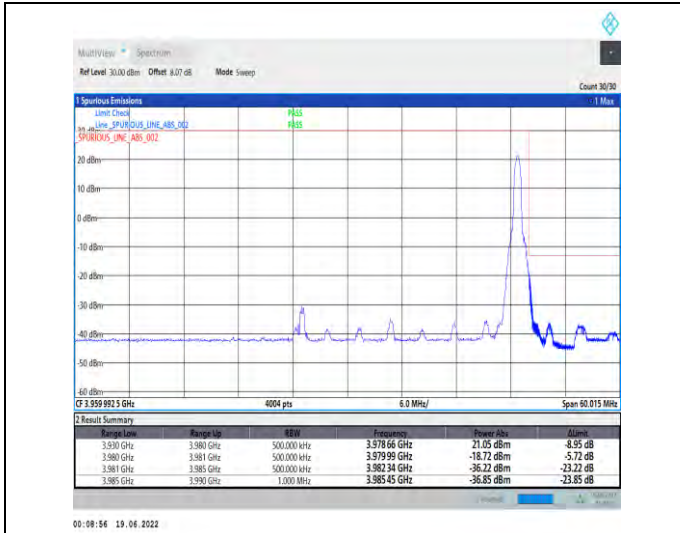


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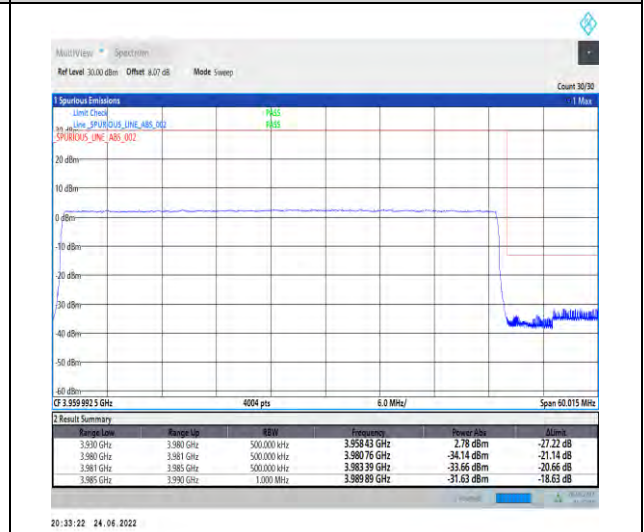
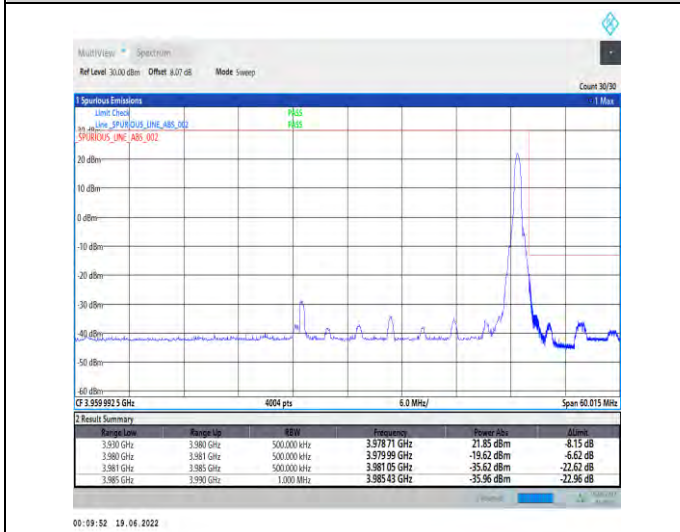
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1-N77-3700-3980--30-50-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@132-Ant1-PASS-see graph

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



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

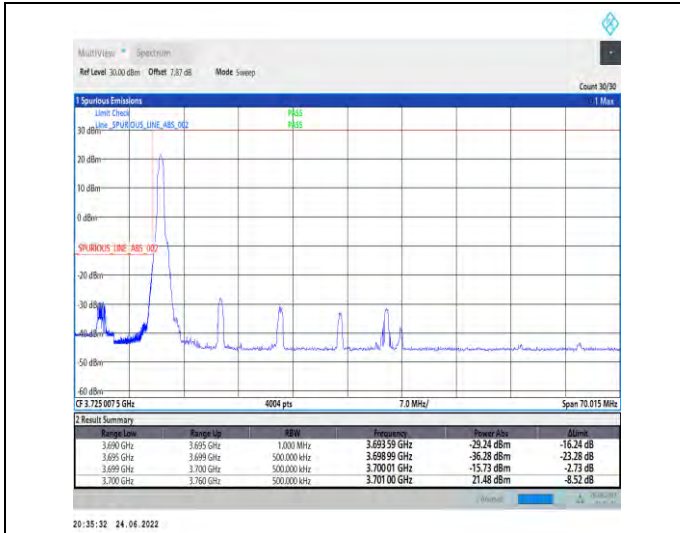
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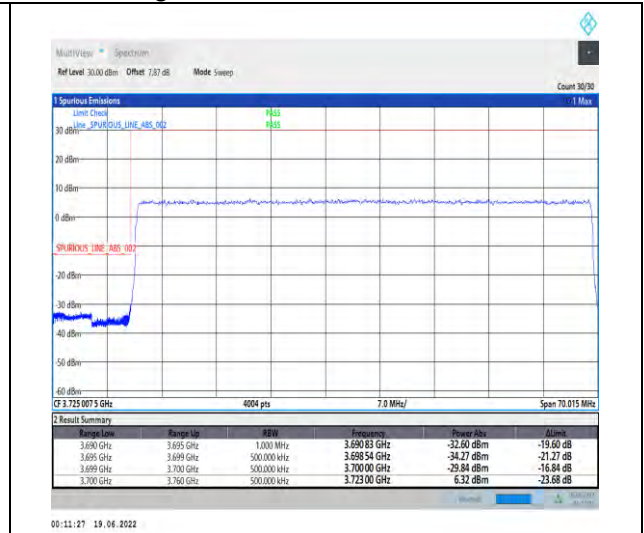
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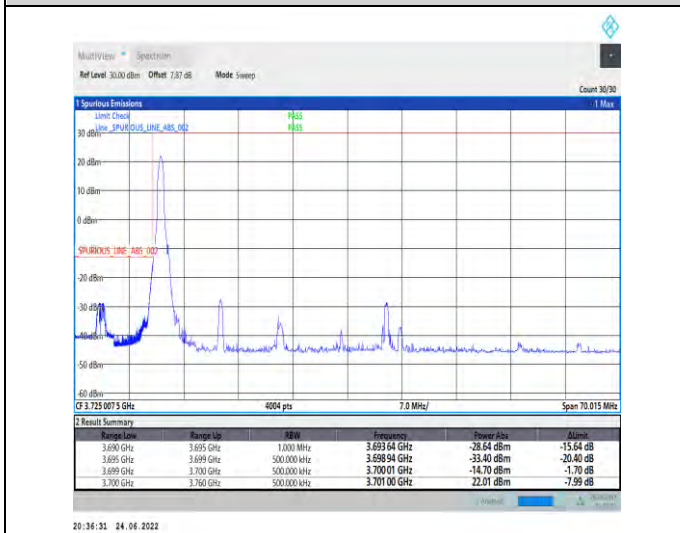
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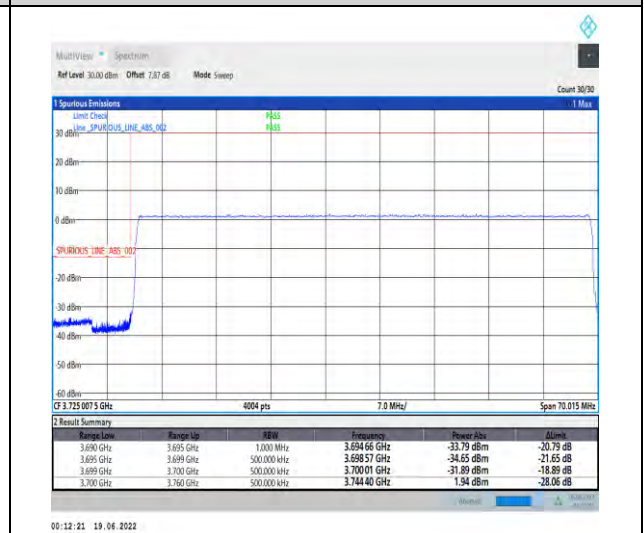
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1-N77-3700-3980--30-60-L-3-DFT-PI2BPSK-Outer_Full-162@0-Ant1-PASS-see graph



1-N77-3700-3980--30-60-L-4-CP-QPSK-Edge_1RB_L_eff-1@0-Ant1-PASS-see graph



1-N77-3700-3980--30-60-L-6-CP-QPSK-Outer_Ful I-162@0-Ant1-PASS-see graph



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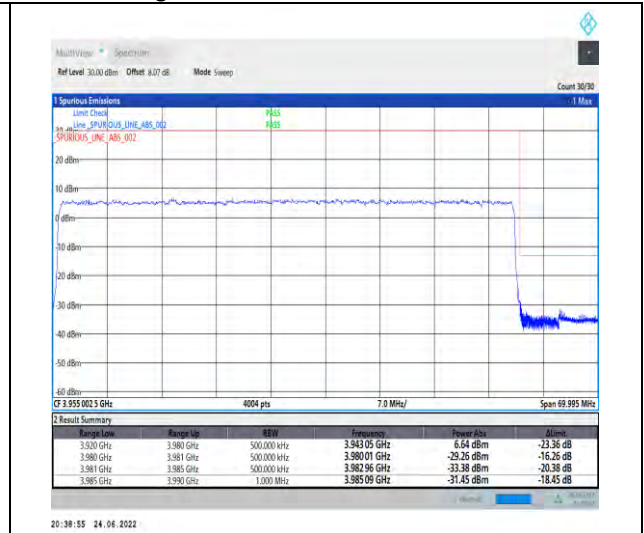
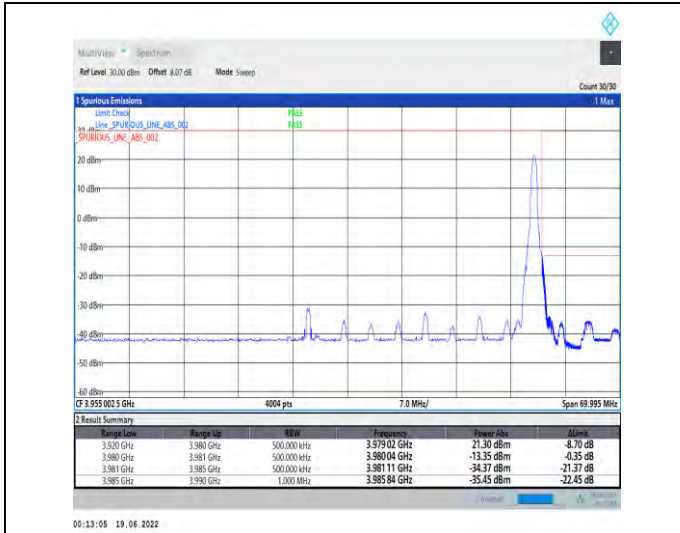
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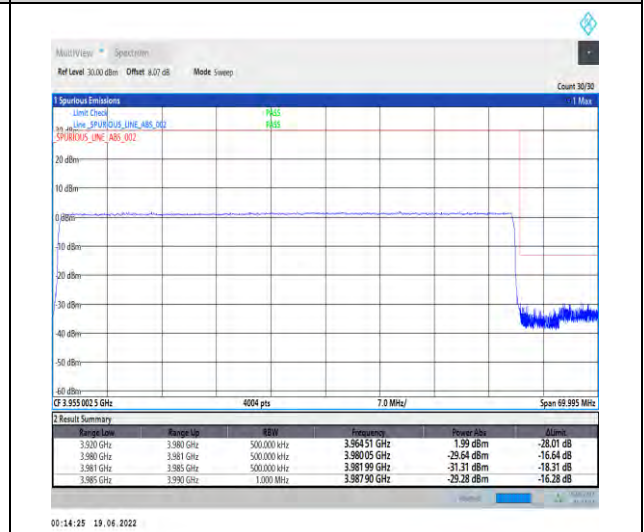
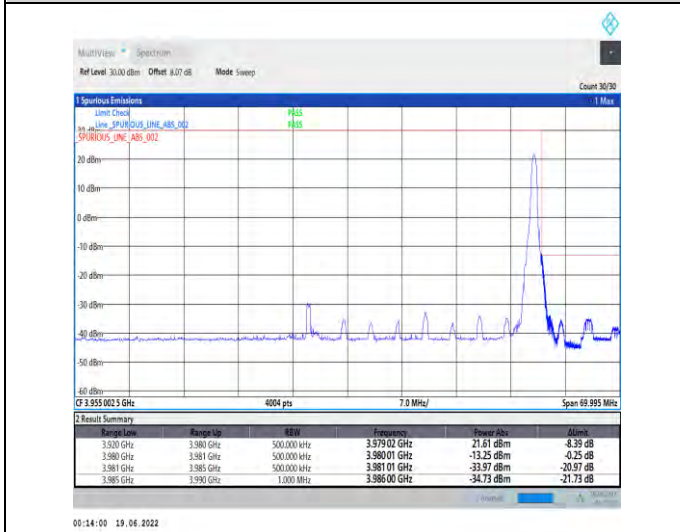
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1-N77-3700-3980--30-60-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@161-Ant1-PASS-see graph

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



1-N77-3700-3980--30-60-H-5-CP-QPSK-Edge_1RB_Right-1@161-Ant1-PASS-see graph

1-N77-3700-3980--30-60-H-6-CP-QPSK-Outer_Full-162@0-Ant1-PASS-see graph



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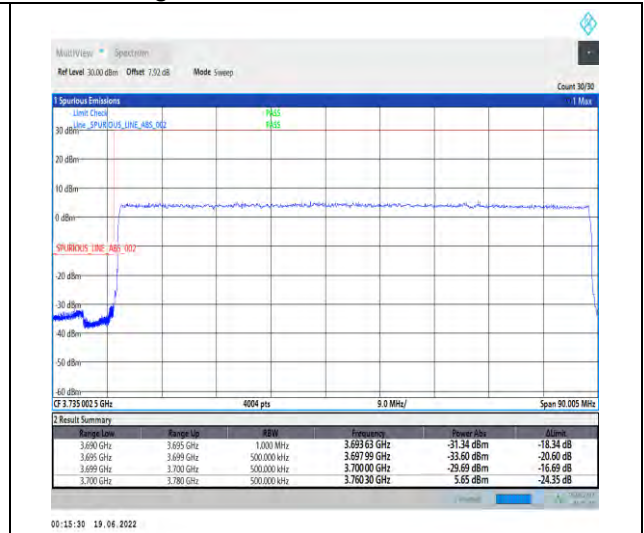
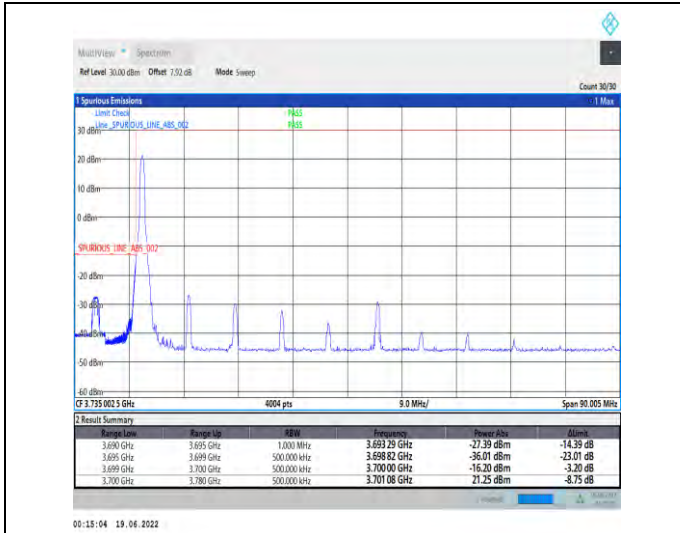
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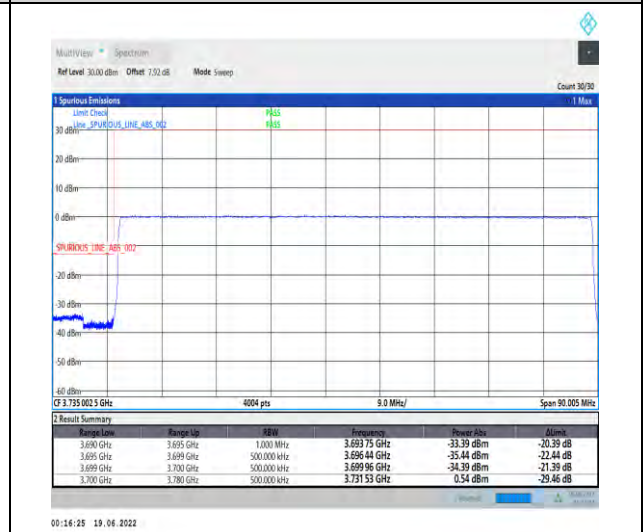
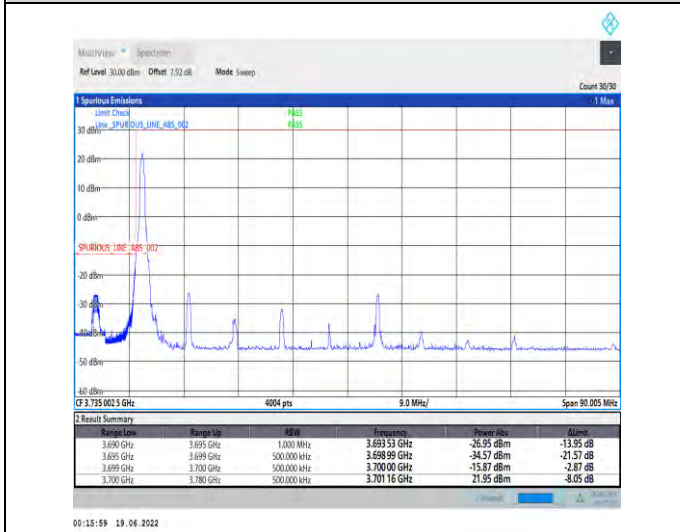
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1-N77-3700-3980--30-80-L-1-DFT-PI2BPSK-Edge_1R_B_Left-1@0-Ant1-PASS-see graph

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



1-N77-3700-3980--30-80-L-4-CP-QPSK-Edge_1RB_L_eff-1@0-Ant1-PASS-see graph

1-N77-3700-3980--30-80-L-6-CP-QPSK-Outer_Ful_I-217@0-Ant1-PASS-see graph



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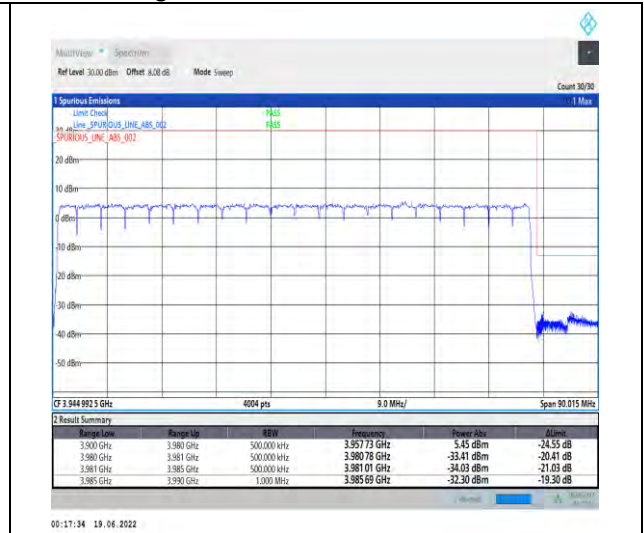
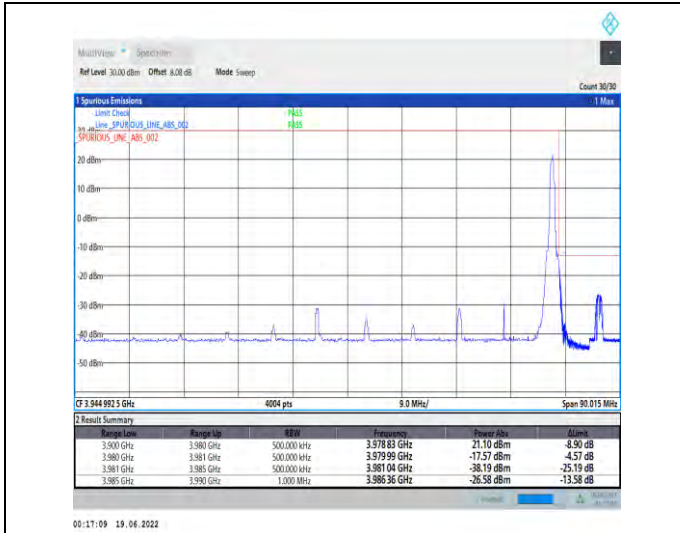
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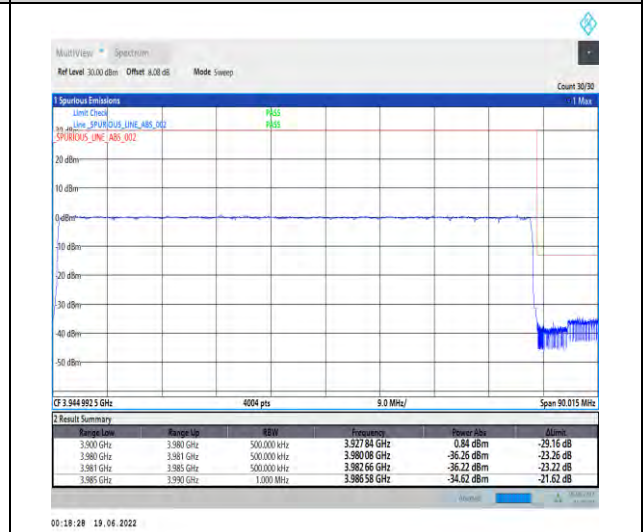
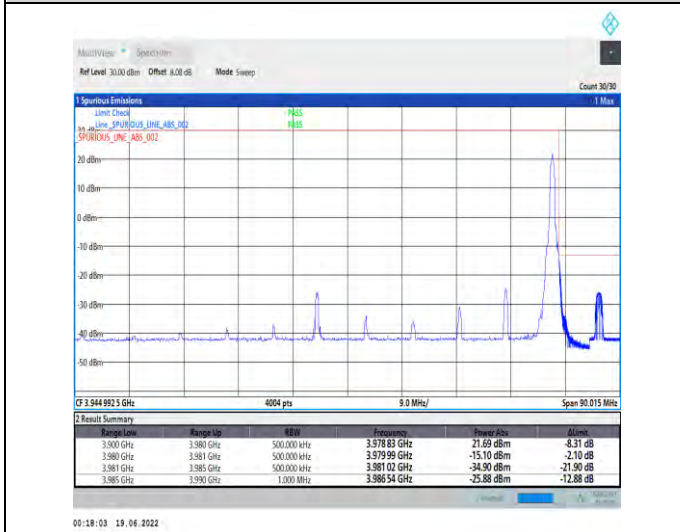
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1-N77-3700-3980--30-80-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@216-Ant1-PASS-see graph

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



1-N77-3700-3980--30-80-H-5-CP-QPSK-Edge_1RB_Right-1@216-Ant1-PASS-see graph

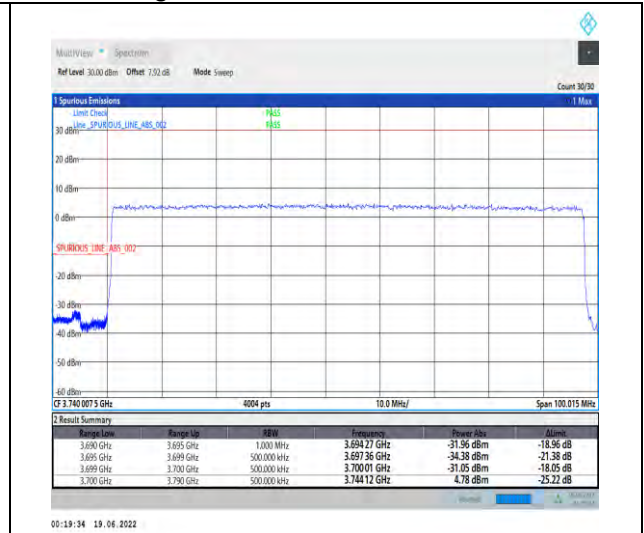
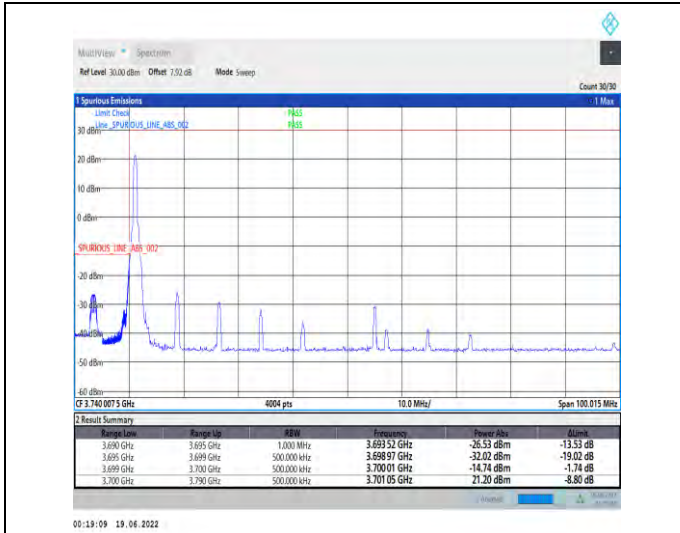
1-N77-3700-3980--30-80-H-6-CP-QPSK-Outer_Full-217@0-Ant1-PASS-see graph



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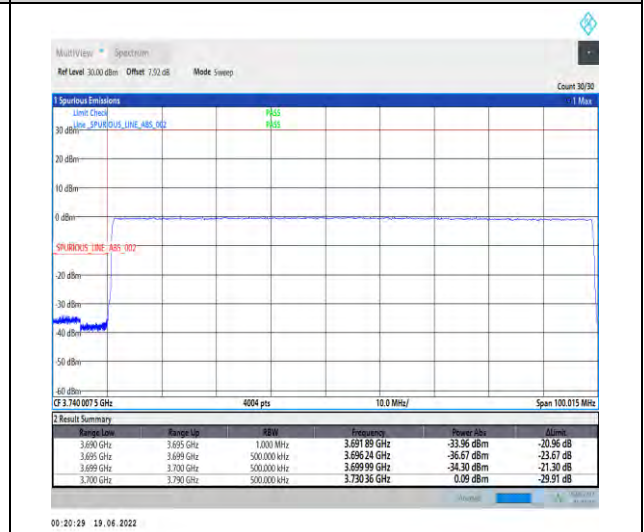
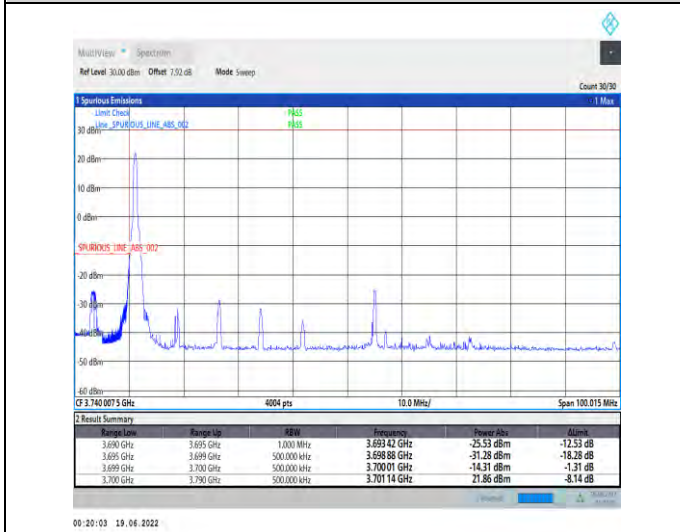
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1-N77-3700-3980--30-90-L-1-DFT-PI2BPSK-Edge_1R_B_Left-1@0-Ant1-PASS-see graph

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



1-N77-3700-3980--30-90-L-4-CP-QPSK-Edge_1RB_L_eff-1@0-Ant1-PASS-see graph

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



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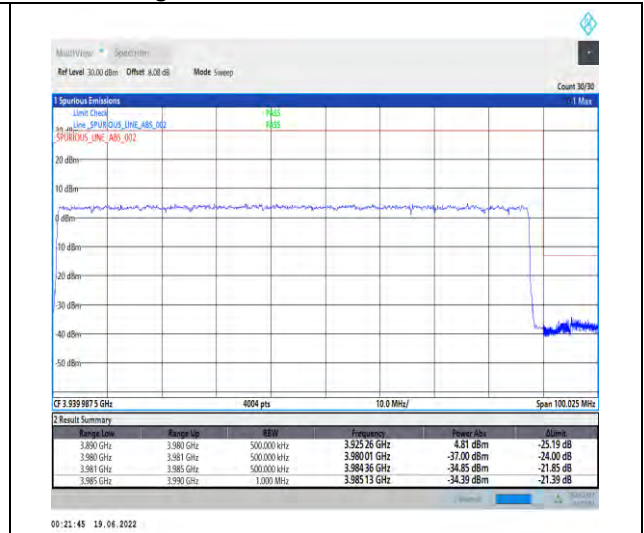
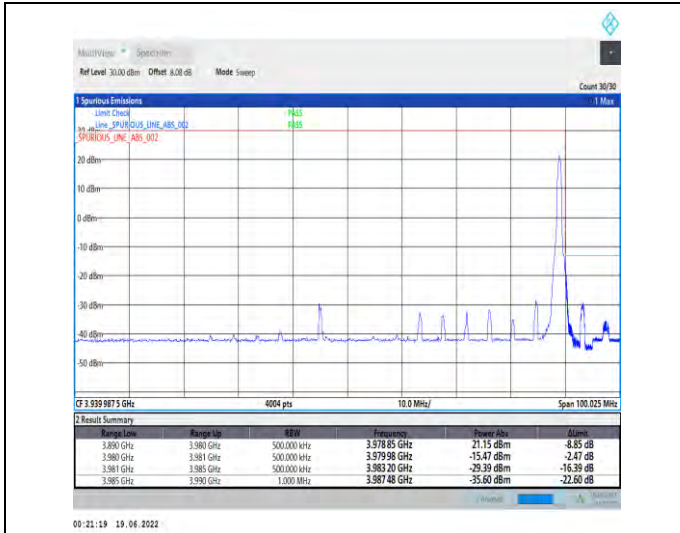
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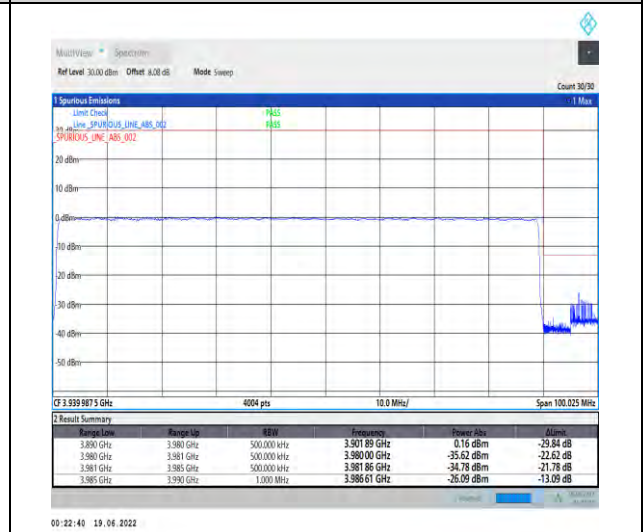
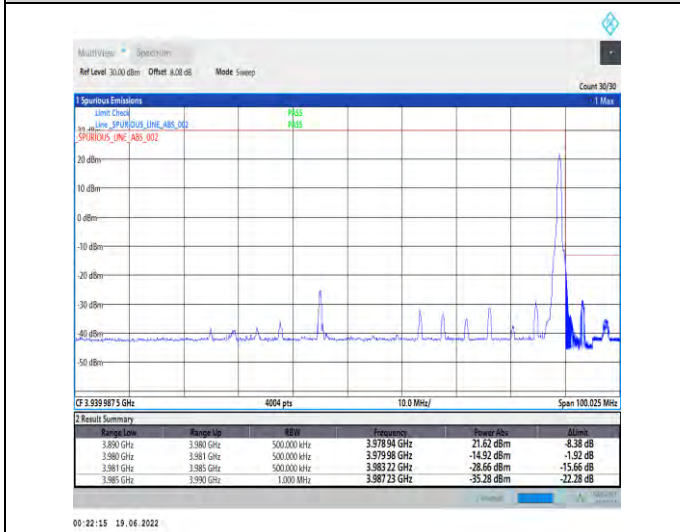
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1-N77-3700-3980--30-90-H-2-DFT-PI2BPSK-Edge_1R_B_Right-1@244-Ant1-PASS-see graph

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



1-N77-3700-3980--30-90-H-5-CP-QPSK-Edge_1RB_Right-1@244-Ant1-PASS-see graph

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

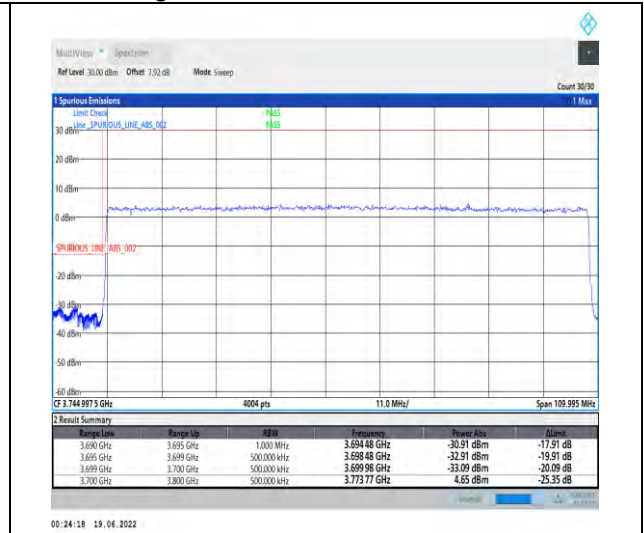


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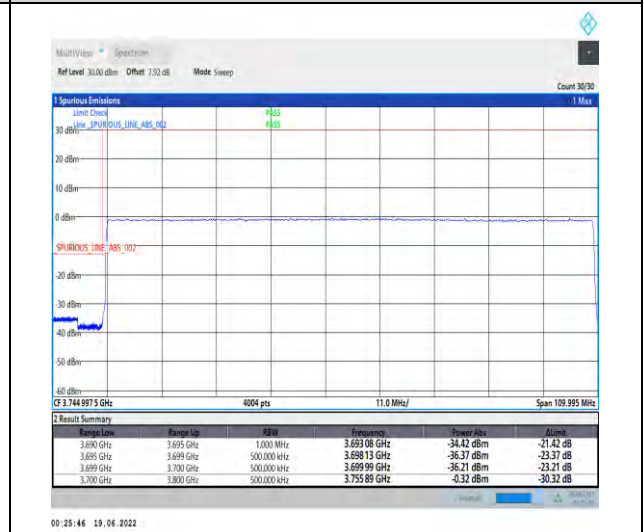
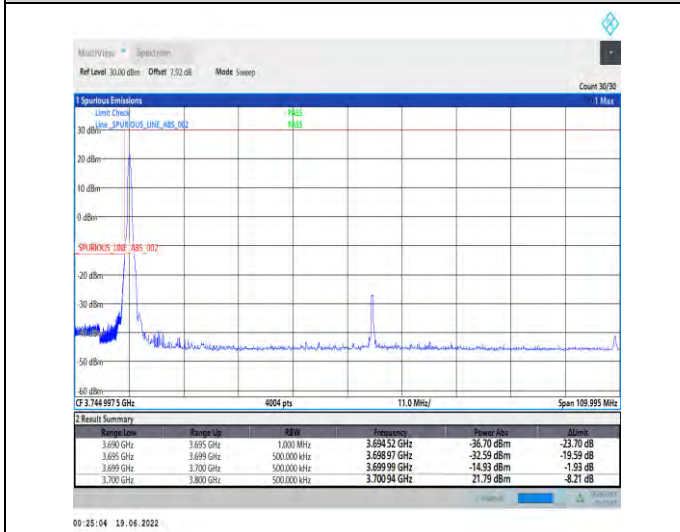
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1-N77-3700-3980--30-100-L-1-DFT-PI2BPSK-Edge_1 RB_Left-1@0-Ant1-PASS-see graph

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



1-N77-3700-3980--30-100-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-PASS-see graph

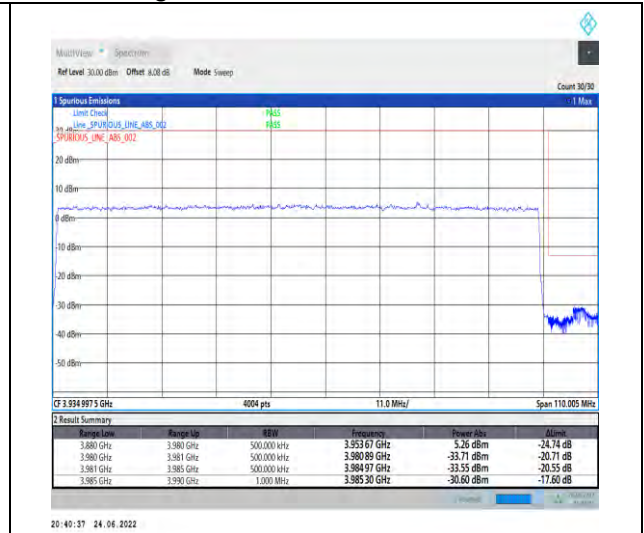
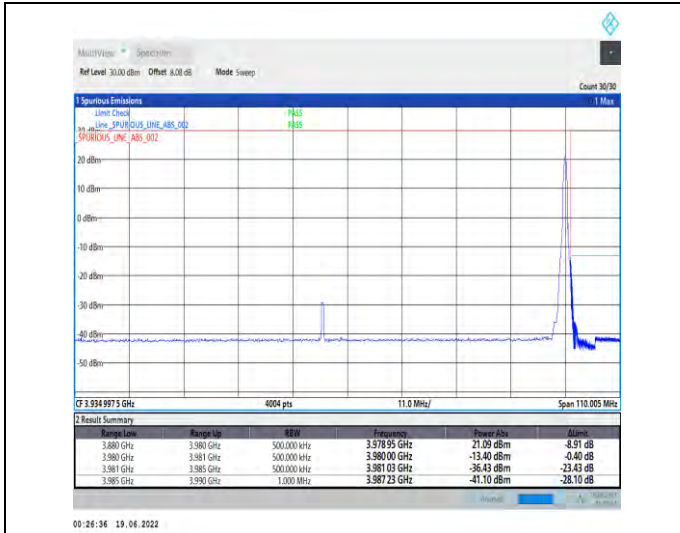
1-N77-3700-3980--30-100-L-6-CP-QPSK-Outer_F ull-273@0-Ant1-PASS-see graph



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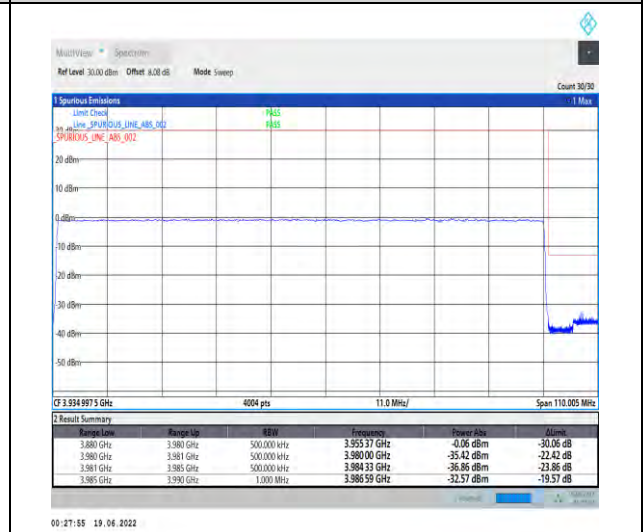
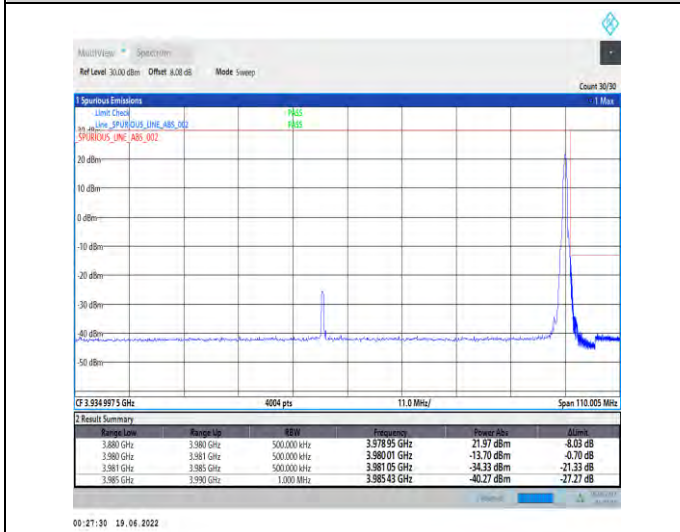
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1-N77-3700-3980--30-100-H-2-DFT-PI2BPSK-Edge_1 RB_Right-1@272-Ant1-PASS-see graph

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



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

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



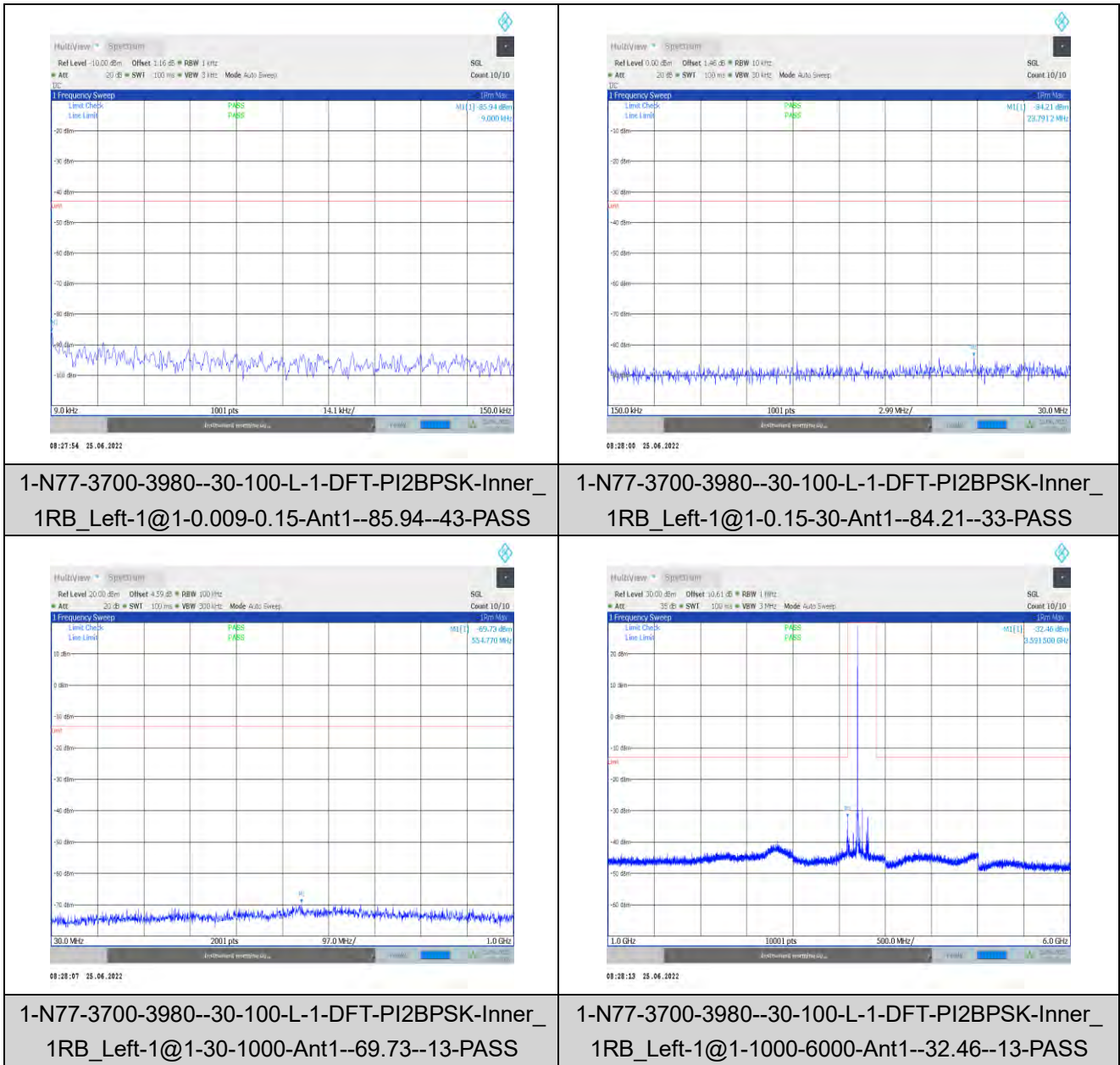
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Conducted Spurious Emission for SA

Test Graphs

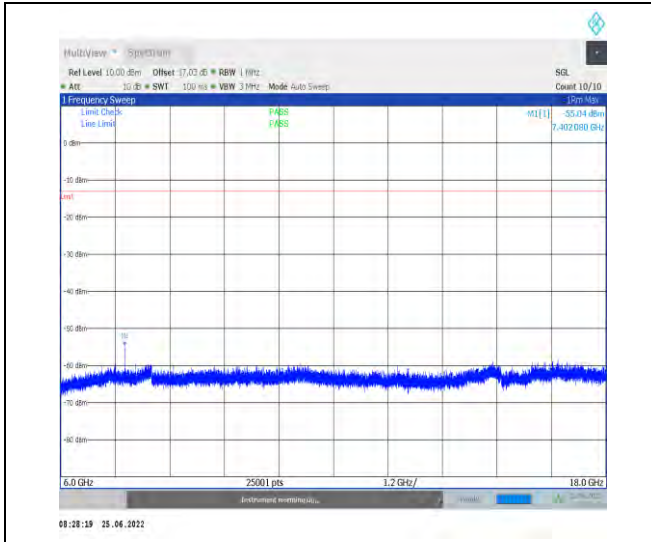


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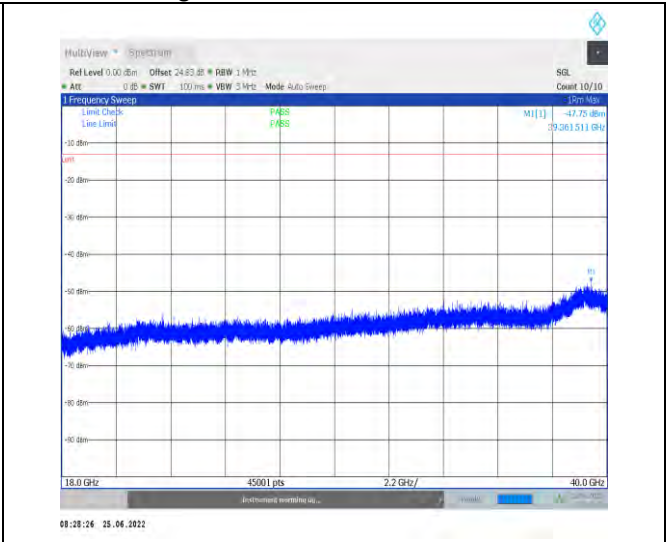
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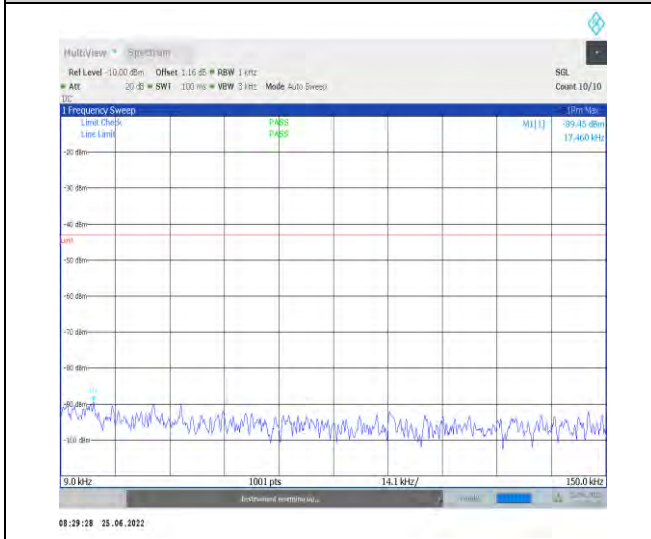
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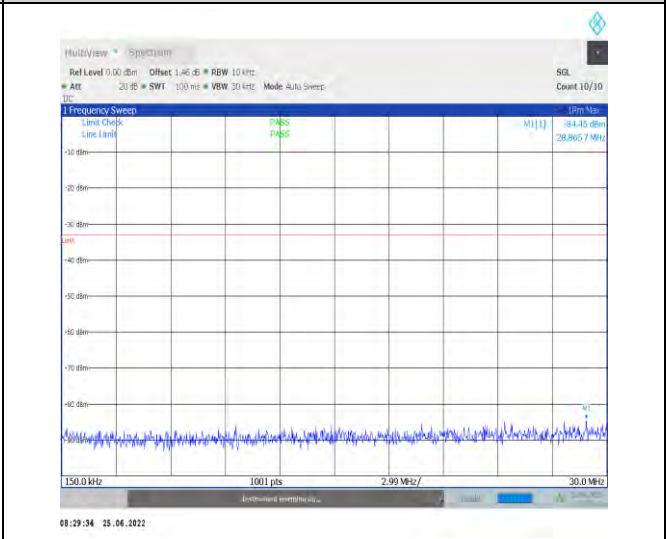
1-N77-3700-3980--30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-6000-18000-Ant1--55.04--13-PASS



1-N77-3700-3980--30-100-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-18000-40000-Ant1--47.75--13-PASS



1-N77-3700-3980--30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1--89.45--43-PASS



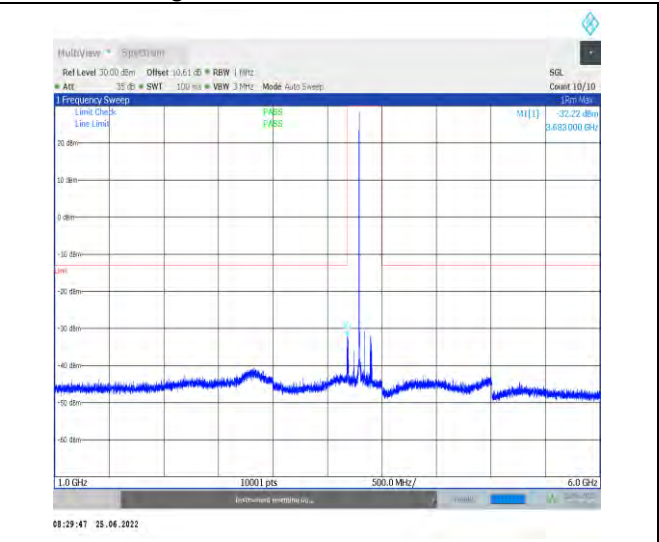
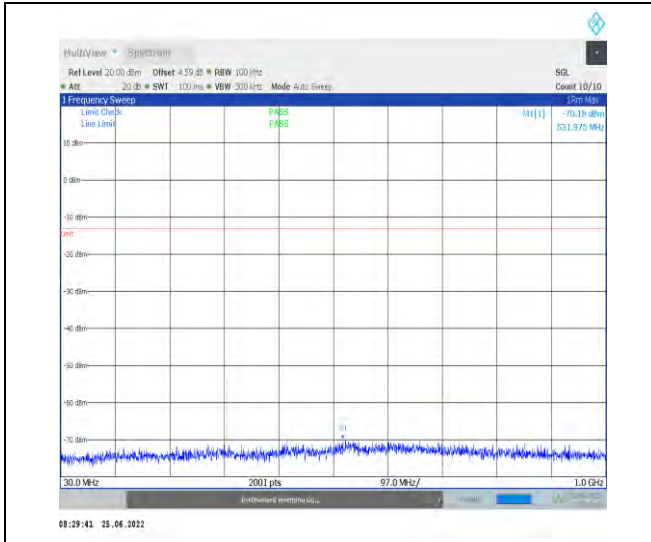
1-N77-3700-3980--30-100-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--84.45--33-PASS



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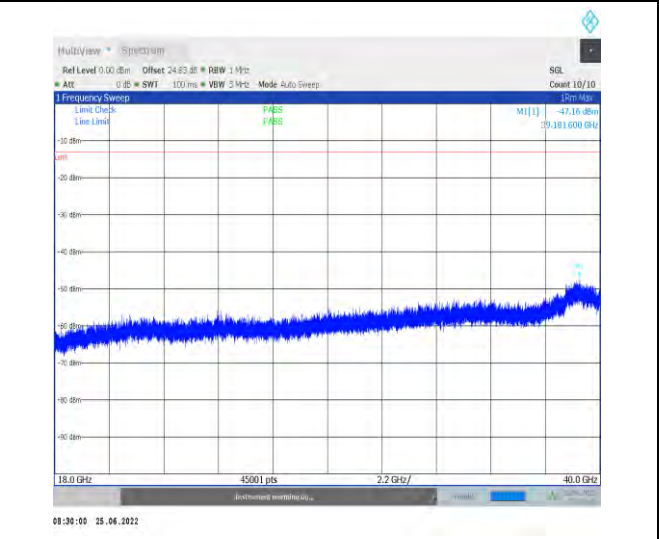
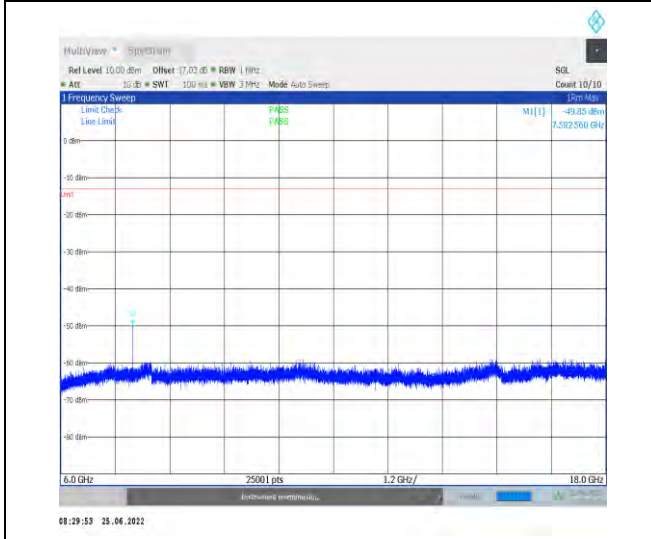
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1-N77-3700-3980--30-100-M-1-DFT-PI2BPSK-Inner
_1RB_Left-1@1-30-1000-Ant1--70.18--13-PASS

1-N77-3700-3980--30-100-M-1-DFT-PI2BPSK-Inner
_1RB_Left-1@1-1000-6000-Ant1--32.22--13-PASS



1-N77-3700-3980--30-100-M-1-DFT-PI2BPSK-Inner
_1RB_Left-1@1-6000-18000-Ant1--49.85--13-PASS

1-N77-3700-3980--30-100-M-1-DFT-PI2BPSK-Inner
_1RB_Left-1@1-18000-40000-Ant1--47.16--13-PASS



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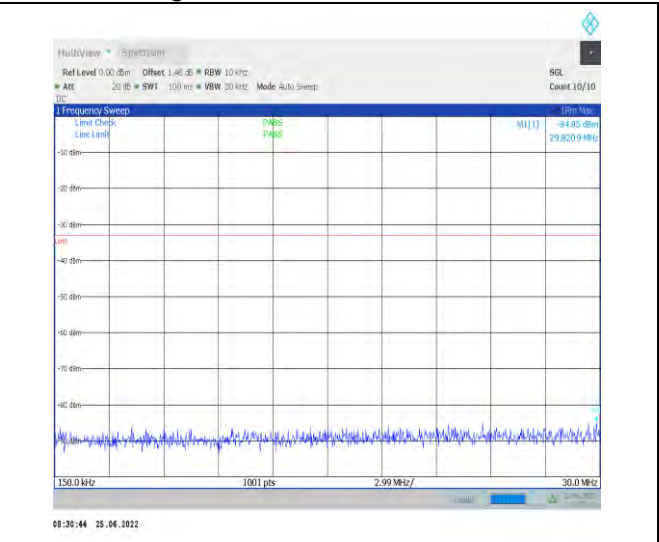
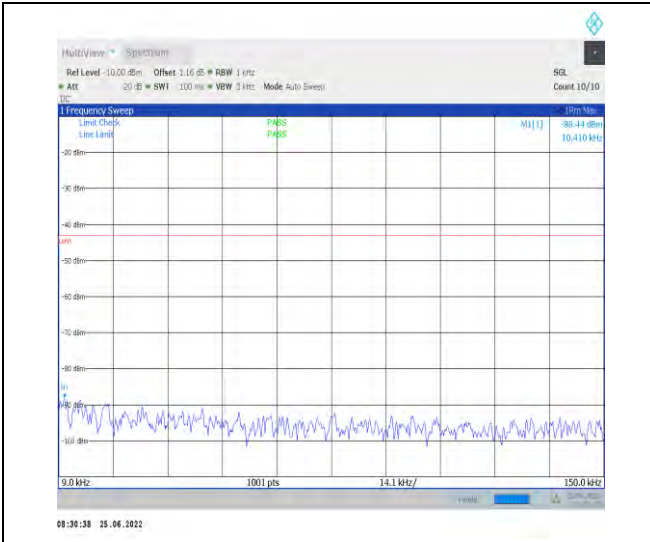
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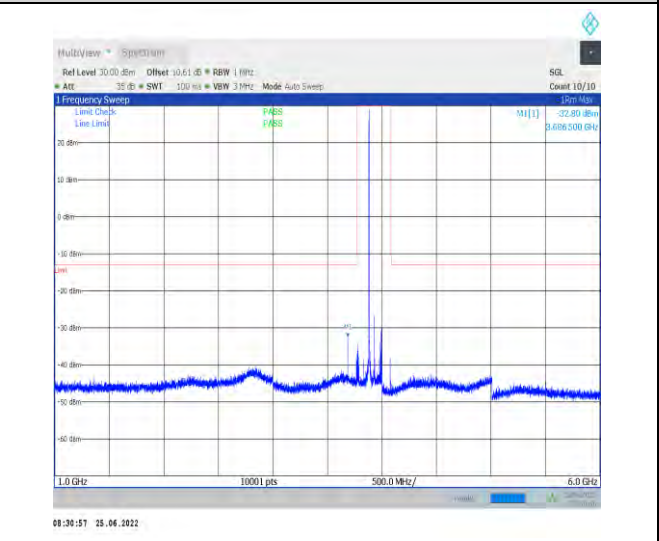
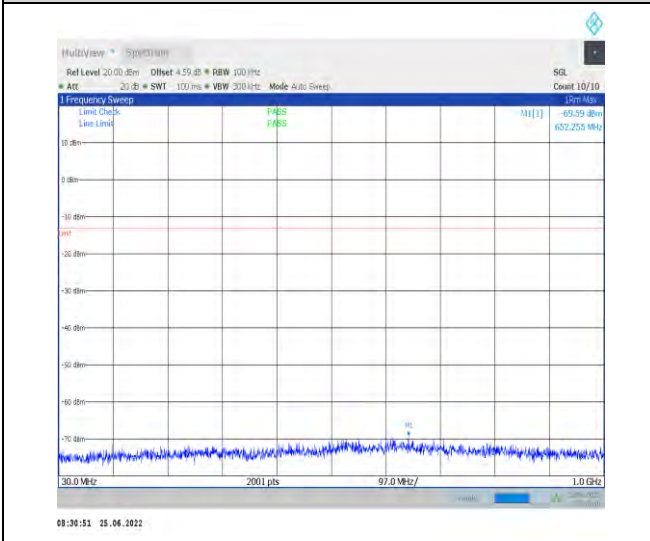
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1-N77-3700-3980--30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1--88.44--43-PASS

1-N77-3700-3980--30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1--84.85--33-PASS



1-N77-3700-3980--30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1--69.59--13-PASS

1-N77-3700-3980--30-100-H-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-6000-Ant1--32.80--13-PASS



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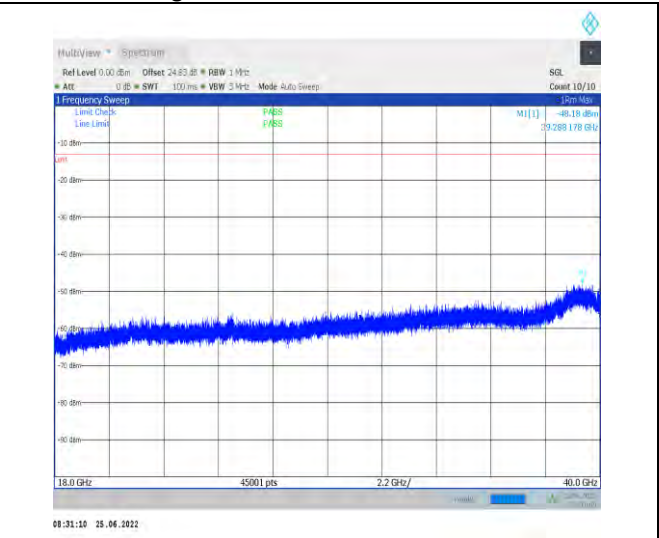
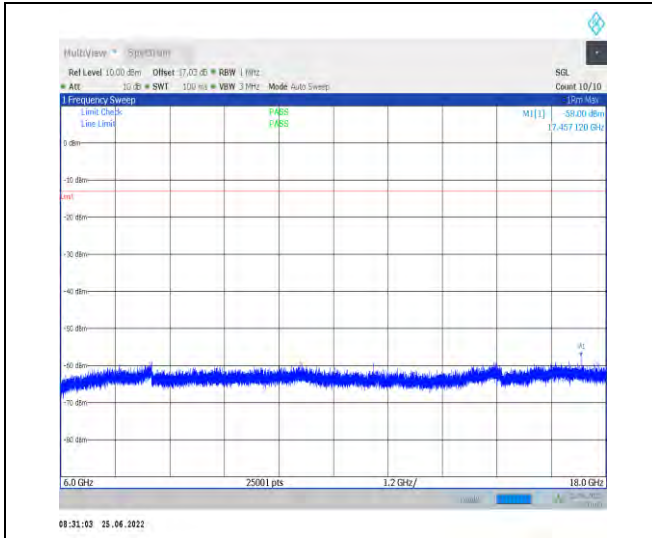
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1-N77-3700-3980--30-100-H-1-DFT-PI2BPSK-Inner
_1RB_Left-1@1-6000-18000-Ant1--58.00--13-PASS

1-N77-3700-3980--30-100-H-1-DFT-PI2BPSK-Inner_
1RB_Left-1@1-18000-40000-Ant1--48.18--13-PASS



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Field Strength of Spurious Radiation

Test Band = SA Band77 3700-3980_ TM1

Test Channel = Low

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 46.45 | -101.99 | -55.54 | -13.00 | 42.54 | 269 | 1 | Horizontal |
| 2 | 7888.625 | 49.83 | -101.10 | -51.27 | -13.00 | 38.27 | 145 | 0 | Horizontal |
| 3 | 9589.475 | 44.86 | -96.10 | -51.24 | -13.00 | 38.24 | 175 | 329 | Horizontal |
| 4 | 10965.2700 | 38.04 | -93.83 | -55.79 | -13.00 | 42.79 | 236 | 356 | Horizontal |
| 5 | 12333.375 | 39.80 | -92.93 | -53.13 | -13.00 | 40.13 | 191 | 356 | Horizontal |
| 6 | 14620.3600 | 35.61 | -90.58 | -54.97 | -13.00 | 41.97 | 250 | 255 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 47.31 | -101.99 | -54.68 | -40.00 | 14.68 | 294 | 256 | Vertical |
| 2 | 8409.575 | 48.16 | -99.32 | -51.16 | -40.00 | 11.16 | 281 | 195 | Vertical |
| 3 | 9830.4 | 45.04 | -96.10 | -51.06 | -40.00 | 11.06 | 196 | 150 | Vertical |
| 4 | 10965.2700 | 39.28 | -93.83 | -54.55 | -40.00 | 14.55 | 230 | 0 | Vertical |
| 5 | 13949.125 | 37.80 | -90.35 | -52.55 | -40.00 | 12.55 | 233 | 209 | Vertical |
| 6 | 14620.3600 | 34.45 | -90.58 | -56.13 | -40.00 | 16.13 | 261 | 104 | Vertical |



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Test Band = SA Band77 3700-3980_ TM1
Test Channel = Mid

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 46.18 | -101.65 | -55.47 | -13.00 | 42.47 | 174 | 194 | Horizontal |
| 2 | 9597.525 | 45.13 | -96.04 | -50.91 | -13.00 | 37.91 | 158 | 0 | Horizontal |
| 3 | 11835.2700 | 34.79 | -93.72 | -58.93 | -13.00 | 45.93 | 269 | 344 | Horizontal |
| 4 | 13958.325 | 37.33 | -90.27 | -52.94 | -13.00 | 39.94 | 193 | 87 | Horizontal |
| 5 | 15180.3600 | 33.25 | -90.18 | -56.93 | -13.00 | 43.93 | 211 | 194 | Horizontal |
| 6 | 17459.5 | 38.50 | -90.42 | -51.92 | -13.00 | 38.92 | 301 | 344 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 46.68 | -101.65 | -54.97 | -13.00 | 41.97 | 287 | 102 | Vertical |
| 2 | 9093.825 | 45.54 | -97.43 | -51.89 | -13.00 | 38.89 | 194 | 0 | Vertical |
| 3 | 11835.2700 | 34.26 | -93.72 | -59.46 | -13.00 | 46.46 | 176 | 118 | Vertical |
| 4 | 13918.075 | 37.32 | -90.62 | -53.30 | -13.00 | 40.30 | 236 | 194 | Vertical |
| 5 | 15180.3600 | 33.47 | -90.18 | -56.71 | -13.00 | 43.71 | 233 | 316 | Vertical |
| 6 | 17139.8 | 39.47 | -90.84 | -51.37 | -13.00 | 38.37 | 266 | 163 | Vertical |



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Test Band = SA Band77 3700-3980_ TM1
Test Channel = High

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 45.49 | -101.09 | -55.60 | -13.00 | 42.60 | 194 | 125 | Horizontal |
| 2 | 9095.55 | 46.03 | -97.42 | -51.39 | -13.00 | 38.39 | 185 | 23 | Horizontal |
| 3 | 11805.2700 | 34.19 | -93.71 | -59.52 | -13.00 | 46.52 | 163 | 26 | Horizontal |
| 4 | 13922.1 | 37.61 | -90.59 | -52.98 | -13.00 | 39.98 | 235 | 154 | Horizontal |
| 5 | 15740.3600 | 32.30 | -90.17 | -57.87 | -13.00 | 44.87 | 164 | 2 | Horizontal |
| 6 | 17200.75 | 40.23 | -91.43 | -51.20 | -13.00 | 38.20 | 170 | 29 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 45.77 | -101.09 | -55.32 | -13.00 | 42.32 | 186 | 42 | Vertical |
| 2 | 8634.4 | 46.66 | -98.50 | -51.84 | -13.00 | 38.84 | 254 | 285 | Vertical |
| 3 | 11805.2700 | 35.31 | -93.71 | -58.40 | -13.00 | 45.40 | 136 | 150 | Vertical |
| 4 | 13916.35 | 38.57 | -90.64 | -52.07 | -13.00 | 39.07 | 196 | 7 | Vertical |
| 5 | 15740.3600 | 33.21 | -90.17 | -56.96 | -13.00 | 43.96 | 236 | 73 | Vertical |
| 6 | 17683.75 | 38.58 | -88.42 | -49.84 | -13.00 | 36.84 | 140 | 2 | Vertical |



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Report No.: SEWA2205000015RG02

Rev.: 01

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Test Band = NSA 2A-n77A 3700-3980_TM1

Test Channel = Low

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 48.97 | -101.99 | -53.02 | -13.00 | 40.02 | 169 | 91 | Horizontal |
| 2 | 8338.85 | 51.07 | -99.68 | -48.61 | -13.00 | 35.61 | 154 | 254 | Horizontal |
| 3 | 10965.2700 | 42.87 | -93.83 | -50.96 | -13.00 | 37.96 | 185 | 136 | Horizontal |
| 4 | 13688.65 | 46.10 | -91.19 | -45.09 | -13.00 | 32.09 | 149 | 300 | Horizontal |
| 5 | 14620.3600 | 41.54 | -90.58 | -49.04 | -13.00 | 36.04 | 176 | 211 | Horizontal |
| 6 | 17156.475 | 46.34 | -91.00 | -44.66 | -13.00 | 31.66 | 211 | 47 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 47.58 | -101.99 | -54.41 | -13.00 | 41.41 | 123 | 315 | Vertical |
| 2 | 8029.5 | 50.14 | -100.14 | -50.00 | -13.00 | 37.00 | 230 | 165 | Vertical |
| 3 | 10965.2700 | 42.00 | -93.83 | -51.83 | -13.00 | 38.83 | 153 | 300 | Vertical |
| 4 | 12700.8 | 46.44 | -92.63 | -46.19 | -13.00 | 33.19 | 164 | 16 | Vertical |
| 5 | 14620.3600 | 41.71 | -90.58 | -48.87 | -13.00 | 35.87 | 195 | 2 | Vertical |
| 6 | 17694.675 | 46.38 | -88.28 | -41.90 | -13.00 | 28.90 | 183 | 117 | Vertical |



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 t (86-512) 62992980 sgs.china@sgs.com



Test Band = NSA 2A-n77A 3700-3980_TM1
Test Channel = Mid

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 47.66 | -101.65 | -53.99 | -13.00 | 40.99 | 165 | 357 | Horizontal |
| 2 | 8386 | 50.22 | -99.39 | -49.17 | -13.00 | 36.17 | 142 | 195 | Horizontal |
| 3 | 11835.2700 | 42.32 | -93.72 | -51.40 | -13.00 | 38.40 | 185 | 140 | Horizontal |
| 4 | 13456.35 | 45.06 | -91.51 | -46.45 | -13.00 | 33.45 | 133 | 225 | Horizontal |
| 5 | 15180.3600 | 42.10 | -90.18 | -48.08 | -13.00 | 35.08 | 261 | 299 | Horizontal |
| 6 | 17109.325 | 45.73 | -90.54 | -44.81 | -13.00 | 31.81 | 144 | 135 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 47.81 | -101.65 | -53.84 | -13.00 | 40.84 | 255 | 42 | Vertical |
| 2 | 8415.9 | 50.96 | -99.33 | -48.37 | -13.00 | 35.37 | 164 | 42 | Vertical |
| 3 | 11835.2700 | 43.52 | -93.72 | -50.20 | -13.00 | 37.20 | 158 | 225 | Vertical |
| 4 | 12802 | 45.58 | -92.25 | -46.67 | -13.00 | 33.67 | 169 | 42 | Vertical |
| 5 | 15180.3600 | 40.79 | -90.18 | -49.39 | -13.00 | 36.39 | 194 | 178 | Vertical |
| 6 | 16942 | 45.74 | -90.69 | -44.95 | -13.00 | 31.95 | 172 | 299 | Vertical |



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Test Band = NSA 2A-n77A 3700-3980_TM1

Test Channel = High

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 48.43 | -101.09 | -52.66 | -13.00 | 39.66 | 215 | 209 | Horizontal |
| 2 | 8394.625 | 50.46 | -99.33 | -48.87 | -13.00 | 35.87 | 236 | 178 | Horizontal |
| 3 | 11805.2700 | 42.36 | -93.71 | -51.35 | -13.00 | 38.35 | 211 | 1 | Horizontal |
| 4 | 13694.975 | 45.84 | -91.19 | -45.35 | -13.00 | 32.35 | 142 | 178 | Horizontal |
| 5 | 15740.3600 | 42.47 | -90.17 | -47.70 | -13.00 | 34.70 | 239 | 329 | Horizontal |
| 6 | 17182.35 | 46.07 | -91.26 | -45.19 | -13.00 | 32.19 | 194 | 329 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 48.82 | -101.09 | -52.27 | -13.00 | 39.27 | 145 | 357 | Vertical |
| 2 | 9396.85 | 48.94 | -96.70 | -47.76 | -13.00 | 34.76 | 236 | 46 | Vertical |
| 3 | 11805.2700 | 42.67 | -93.71 | -51.04 | -13.00 | 38.04 | 261 | 215 | Vertical |
| 4 | 14472.95 | 43.84 | -89.69 | -45.85 | -13.00 | 32.85 | 158 | 74 | Vertical |
| 5 | 15740.3600 | 42.44 | -90.17 | -47.73 | -13.00 | 34.73 | 195 | 60 | Vertical |
| 6 | 17165.675 | 45.42 | -91.09 | -45.67 | -13.00 | 32.67 | 177 | 257 | Vertical |



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Test Band = NSA 5A-n77A 3700-3980_TM1
 Test Channel = Low

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 48.19 | -101.99 | -53.80 | -13.00 | 40.80 | 145 | 44 | Horizontal |
| 2 | 8344.6 | 50.16 | -99.65 | -49.49 | -13.00 | 36.49 | 195 | 125 | Horizontal |
| 3 | 10965.2700 | 44.44 | -93.83 | -49.39 | -13.00 | 36.39 | 172 | 270 | Horizontal |
| 4 | 13737.525 | 45.23 | -91.33 | -46.10 | -13.00 | 33.10 | 236 | 196 | Horizontal |
| 5 | 14620.3600 | 41.77 | -90.58 | -48.81 | -13.00 | 35.81 | 161 | 90 | Horizontal |
| 6 | 17157.05 | 45.22 | -91.01 | -45.79 | -13.00 | 32.79 | 111 | 233 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 48.69 | -101.99 | -53.30 | -13.00 | 40.30 | 214 | 89 | Vertical |
| 2 | 8347.475 | 51.10 | -99.63 | -48.53 | -13.00 | 35.53 | 236 | 164 | Vertical |
| 3 | 10965.2700 | 43.17 | -93.83 | -50.66 | -13.00 | 37.66 | 261 | 317 | Vertical |
| 4 | 14620.3600 | 41.24 | -90.58 | -49.34 | -13.00 | 36.34 | 148 | 257 | Vertical |
| 5 | 15826.5 | 44.14 | -90.45 | -46.31 | -13.00 | 33.31 | 175 | 120 | Vertical |
| 6 | 16978.8 | 45.65 | -90.54 | -44.89 | -13.00 | 31.89 | 199 | 181 | Vertical |



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Test Band = NSA 5A-n77A 3700-3980_TM1
Test Channel = Mid

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 48.05 | -101.65 | -53.60 | -13.00 | 40.60 | 154 | 126 | Horizontal |
| 2 | 8406.125 | 50.34 | -99.31 | -48.97 | -13.00 | 35.97 | 263 | 287 | Horizontal |
| 3 | 11835.2700 | 42.44 | -93.72 | -51.28 | -13.00 | 38.28 | 251 | 287 | Horizontal |
| 4 | 13734.65 | 46.01 | -91.32 | -45.31 | -13.00 | 32.31 | 145 | 18 | Horizontal |
| 5 | 15180.3600 | 41.86 | -90.18 | -48.32 | -13.00 | 35.32 | 196 | 0 | Horizontal |
| 6 | 17029.975 | 44.96 | -90.46 | -45.50 | -13.00 | 32.50 | 172 | 243 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 48.16 | -101.65 | -53.49 | -13.00 | 40.49 | 255 | 165 | Vertical |
| 2 | 8689.025 | 50.18 | -98.65 | -48.47 | -13.00 | 35.47 | 145 | 0 | Vertical |
| 3 | 11835.2700 | 42.86 | -93.72 | -50.86 | -13.00 | 37.86 | 169 | 317 | Vertical |
| 4 | 13752.475 | 45.71 | -91.38 | -45.67 | -13.00 | 32.67 | 195 | 29 | Vertical |
| 5 | 15180.3600 | 41.62 | -90.18 | -48.56 | -13.00 | 35.56 | 172 | 1 | Vertical |
| 6 | 16937.975 | 44.77 | -90.70 | -45.93 | -13.00 | 32.93 | 231 | 134 | Vertical |



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Test Band = NSA 5A-n77A 3700-3980_TM1

Test Channel = High

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 47.95 | -101.09 | -53.14 | -13.00 | 40.14 | 169 | 255 | Horizontal |
| 2 | 8806.9 | 49.38 | -98.30 | -48.92 | -13.00 | 35.92 | 158 | 147 | Horizontal |
| 3 | 11805.2700 | 42.26 | -93.71 | -51.45 | -13.00 | 38.45 | 145 | 1 | Horizontal |
| 4 | 14489.05 | 44.19 | -89.57 | -45.38 | -13.00 | 32.38 | 176 | 251 | Horizontal |
| 5 | 15740.3600 | 42.05 | -90.17 | -48.12 | -13.00 | 35.12 | 236 | 193 | Horizontal |
| 6 | 16633.8 | 45.97 | -91.71 | -45.74 | -13.00 | 32.74 | 261 | 96 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 49.26 | -101.09 | -51.83 | -13.00 | 38.83 | 169 | 256 | Vertical |
| 2 | 8864.975 | 50.72 | -98.13 | -47.41 | -13.00 | 34.41 | 184 | 256 | Vertical |
| 3 | 11805.2700 | 42.31 | -93.71 | -51.40 | -13.00 | 38.40 | 175 | 270 | Vertical |
| 4 | 13727.175 | 45.29 | -91.29 | -46.00 | -13.00 | 33.00 | 236 | 73 | Vertical |
| 5 | 15740.3600 | 42.03 | -90.17 | -48.14 | -13.00 | 35.14 | 261 | 331 | Vertical |
| 6 | 17694.675 | 47.57 | -88.28 | -40.71 | -13.00 | 27.71 | 199 | 270 | Vertical |



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Test Band = NSA 7A-n77A 3700-3980_TM1

Test Channel = Low

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 48.37 | -101.99 | -53.62 | -13.00 | 40.62 | 184 | 31 | Horizontal |
| 2 | 8386.575 | 49.85 | -99.38 | -49.53 | -13.00 | 36.53 | 175 | 300 | Horizontal |
| 3 | 10965.2700 | 42.78 | -93.83 | -51.05 | -13.00 | 38.05 | 196 | 180 | Horizontal |
| 4 | 12651.925 | 45.74 | -92.90 | -47.16 | -13.00 | 34.16 | 236 | 284 | Horizontal |
| 5 | 14620.3600 | 41.13 | -90.58 | -49.45 | -13.00 | 36.45 | 142 | 195 | Horizontal |
| 6 | 16973.625 | 46.09 | -90.56 | -44.47 | -13.00 | 31.47 | 266 | 165 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 47.49 | -101.99 | -54.50 | -13.00 | 41.50 | 154 | 356 | Vertical |
| 2 | 8399.8 | 50.95 | -99.30 | -48.35 | -13.00 | 35.35 | 265 | 74 | Vertical |
| 3 | 10965.2700 | 42.72 | -93.83 | -51.11 | -13.00 | 38.11 | 194 | 16 | Vertical |
| 4 | 13709.35 | 45.45 | -91.23 | -45.78 | -13.00 | 32.78 | 185 | 8 | Vertical |
| 5 | 14620.3600 | 40.70 | -90.58 | -49.88 | -13.00 | 36.88 | 236 | 283 | Vertical |
| 6 | 17158.775 | 45.54 | -91.02 | -45.48 | -13.00 | 32.48 | 142 | 195 | Vertical |



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Test Band = NSA 7A-n77A 3700-3980_ TM1
 Test Channel = Mid

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 47.60 | -101.65 | -54.05 | -13.00 | 41.05 | 145 | 120 | Horizontal |
| 2 | 8377.375 | 50.93 | -99.44 | -48.51 | -13.00 | 35.51 | 236 | 346 | Horizontal |
| 3 | 11835.2700 | 42.98 | -93.72 | -50.74 | -13.00 | 37.74 | 261 | 90 | Horizontal |
| 4 | 13692.675 | 45.44 | -91.19 | -45.75 | -13.00 | 32.75 | 158 | 126 | Horizontal |
| 5 | 15180.3600 | 42.66 | -90.18 | -47.52 | -13.00 | 34.52 | 194 | 16 | Horizontal |
| 6 | 17185.225 | 45.94 | -91.28 | -45.34 | -13.00 | 32.34 | 172 | 270 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 46.86 | -101.65 | -54.79 | -13.00 | 41.79 | 123 | 91 | Vertical |
| 2 | 8366.45 | 49.71 | -99.51 | -49.80 | -13.00 | 36.80 | 265 | 180 | Vertical |
| 3 | 11835.2700 | 43.66 | -93.72 | -50.06 | -13.00 | 37.06 | 142 | 145 | Vertical |
| 4 | 13703.6 | 44.89 | -91.21 | -46.32 | -13.00 | 33.32 | 251 | 343 | Vertical |
| 5 | 15180.3600 | 41.36 | -90.18 | -48.82 | -13.00 | 35.82 | 199 | 17 | Vertical |
| 6 | 17113.925 | 45.75 | -90.58 | -44.83 | -13.00 | 31.83 | 155 | 105 | Vertical |



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Test Band = NSA 7A-n77A 3700-3980_ TM1
 Test Channel = High

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 47.76 | -101.09 | -53.33 | -13.00 | 40.33 | 158 | 194 | Horizontal |
| 2 | 8381.975 | 50.84 | -99.41 | -48.57 | -13.00 | 35.57 | 145 | 133 | Horizontal |
| 3 | 11805.2700 | 43.23 | -93.71 | -50.48 | -13.00 | 37.48 | 263 | 356 | Horizontal |
| 4 | 13747.875 | 45.77 | -91.36 | -45.59 | -13.00 | 32.59 | 291 | 150 | Horizontal |
| 5 | 15740.3600 | 40.64 | -90.17 | -49.53 | -13.00 | 36.53 | 145 | 118 | Horizontal |
| 6 | 17150.725 | 45.58 | -90.94 | -45.36 | -13.00 | 32.36 | 288 | 225 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 47.63 | -101.09 | -53.46 | -13.00 | 40.46 | 145 | 60 | Vertical |
| 2 | 8373.925 | 50.15 | -99.46 | -49.31 | -13.00 | 36.31 | 195 | 164 | Vertical |
| 3 | 11805.2700 | 42.77 | -93.71 | -50.94 | -13.00 | 37.94 | 175 | 125 | Vertical |
| 4 | 13149.3 | 45.63 | -91.95 | -46.32 | -13.00 | 33.32 | 266 | 181 | Vertical |
| 5 | 15740.3600 | 42.26 | -90.17 | -47.91 | -13.00 | 34.91 | 251 | 236 | Vertical |
| 6 | 17170.275 | 45.85 | -91.14 | -45.29 | -13.00 | 32.29 | 145 | 1 | Vertical |



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Test Band = NSA 12A-n77A 3700-3980_TM1
 Test Channel = Low

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 47.71 | -101.99 | -54.28 | -13.00 | 41.28 | 155 | 4 | Horizontal |
| 2 | 8346.9 | 50.40 | -99.63 | -49.23 | -13.00 | 36.23 | 142 | 151 | Horizontal |
| 3 | 10965.2700 | 43.58 | -93.83 | -50.25 | -13.00 | 37.25 | 195 | 319 | Horizontal |
| 4 | 12679.525 | 45.70 | -92.75 | -47.05 | -13.00 | 34.05 | 162 | 256 | Horizontal |
| 5 | 14620.3600 | 41.20 | -90.58 | -49.38 | -13.00 | 36.38 | 144 | 30 | Horizontal |
| 6 | 16642.425 | 45.66 | -91.73 | -46.07 | -13.00 | 33.07 | 180 | 256 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 48.08 | -101.99 | -53.91 | -13.00 | 40.91 | 122 | 148 | Vertical |
| 2 | 8402.1 | 50.34 | -99.30 | -48.96 | -13.00 | 35.96 | 236 | 239 | Vertical |
| 3 | 10965.2700 | 43.31 | -93.83 | -50.52 | -13.00 | 37.52 | 261 | 42 | Vertical |
| 4 | 13703.025 | 45.06 | -91.21 | -46.15 | -13.00 | 33.15 | 148 | 359 | Vertical |
| 5 | 14620.3600 | 41.65 | -90.58 | -48.93 | -13.00 | 35.93 | 199 | 222 | Vertical |
| 6 | 16946.6 | 45.61 | -90.67 | -45.06 | -13.00 | 32.06 | 255 | 208 | Vertical |



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Test Band = NSA 12A-n77A 3700-3980_TM1
Test Channel = Mid

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 48.10 | -101.65 | -53.55 | -13.00 | 40.55 | 185 | 287 | Horizontal |
| 2 | 8406.7 | 50.03 | -99.31 | -49.28 | -13.00 | 36.28 | 164 | 287 | Horizontal |
| 3 | 11835.2700 | 42.74 | -93.72 | -50.98 | -13.00 | 37.98 | 196 | 256 | Horizontal |
| 4 | 13688.075 | 45.42 | -91.19 | -45.77 | -13.00 | 32.77 | 125 | 46 | Horizontal |
| 5 | 15180.3600 | 41.84 | -90.18 | -48.34 | -13.00 | 35.34 | 145 | 4 | Horizontal |
| 6 | 16965 | 45.54 | -90.60 | -45.06 | -13.00 | 32.06 | 172 | 360 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 47.33 | -101.65 | -54.32 | -13.00 | 41.32 | 154 | 299 | Vertical |
| 2 | 8393.475 | 49.94 | -99.34 | -49.40 | -13.00 | 36.40 | 132 | 90 | Vertical |
| 3 | 11835.2700 | 43.03 | -93.72 | -50.69 | -13.00 | 37.69 | 126 | 75 | Vertical |
| 4 | 13704.75 | 45.89 | -91.21 | -45.32 | -13.00 | 32.32 | 265 | 90 | Vertical |
| 5 | 15180.3600 | 41.15 | -90.18 | -49.03 | -13.00 | 36.03 | 145 | 195 | Vertical |
| 6 | 17113.35 | 45.49 | -90.58 | -45.09 | -13.00 | 32.09 | 185 | 211 | Vertical |



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Test Band = NSA 12A-n77A 3700-3980_TM1
Test Channel = High

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 48.55 | -101.09 | -52.54 | -13.00 | 39.54 | 169 | 324 | Horizontal |
| 2 | 8640.15 | 49.87 | -98.51 | -48.64 | -13.00 | 35.64 | 194 | 310 | Horizontal |
| 3 | 11805.2700 | 42.90 | -93.71 | -50.81 | -13.00 | 37.81 | 175 | 134 | Horizontal |
| 4 | 14500.55 | 43.64 | -89.49 | -45.85 | -13.00 | 32.85 | 122 | 359 | Horizontal |
| 5 | 15740.3600 | 42.06 | -90.17 | -48.11 | -13.00 | 35.11 | 251 | 350 | Horizontal |
| 6 | 16829.3 | 45.89 | -91.33 | -45.44 | -13.00 | 32.44 | 145 | 310 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 49.03 | -101.09 | -52.06 | -13.00 | 39.06 | 125 | 123 | Vertical |
| 2 | 8376.225 | 50.65 | -99.45 | -48.80 | -13.00 | 35.80 | 162 | 238 | Vertical |
| 3 | 11805.2700 | 42.92 | -93.71 | -50.79 | -13.00 | 37.79 | 236 | 312 | Vertical |
| 4 | 13638.05 | 45.07 | -91.17 | -46.10 | -13.00 | 33.10 | 145 | 58 | Vertical |
| 5 | 15740.3600 | 41.63 | -90.17 | -48.54 | -13.00 | 35.54 | 185 | 145 | Vertical |
| 6 | 17103 | 44.75 | -90.47 | -45.72 | -13.00 | 32.72 | 191 | 312 | Vertical |



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Test Band = NSA 66A-n77A 3700-3980_TM1

Test Channel = Low

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 47.78 | -101.99 | -54.21 | -13.00 | 41.21 | 155 | 76 | Horizontal |
| 2 | 8409.575 | 48.99 | -99.32 | -50.33 | -13.00 | 37.33 | 165 | 165 | Horizontal |
| 3 | 10965.2700 | 41.46 | -93.83 | -52.37 | -13.00 | 39.37 | 195 | 316 | Horizontal |
| 4 | 12658.825 | 43.74 | -92.86 | -49.12 | -13.00 | 36.12 | 148 | 76 | Horizontal |
| 5 | 14620.3600 | 39.15 | -90.58 | -51.43 | -13.00 | 38.43 | 175 | 316 | Horizontal |
| 6 | 16513.05 | 44.22 | -91.62 | -47.40 | -13.00 | 34.40 | 255 | 225 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7310.1800 | 47.49 | -101.99 | -54.50 | -13.00 | 41.50 | 152 | 226 | Vertical |
| 2 | 8402.1 | 49.31 | -99.30 | -49.99 | -13.00 | 36.99 | 236 | 3 | Vertical |
| 3 | 10965.2700 | 40.83 | -93.83 | -53.00 | -13.00 | 40.00 | 261 | 91 | Vertical |
| 4 | 12877.9 | 44.15 | -92.37 | -48.22 | -13.00 | 35.22 | 145 | 243 | Vertical |
| 5 | 14620.3600 | 40.31 | -90.58 | -50.27 | -13.00 | 37.27 | 195 | 152 | Vertical |
| 6 | 17119.1 | 43.86 | -90.63 | -46.77 | -13.00 | 33.77 | 148 | 286 | Vertical |



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Test Band = NSA 66A-n77A 3700-3980_TM1
Test Channel = Mid

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 47.75 | -101.65 | -53.90 | -13.00 | 40.90 | 125 | 3 | Horizontal |
| 2 | 8301.475 | 50.35 | -99.92 | -49.57 | -13.00 | 36.57 | 236 | 16 | Horizontal |
| 3 | 11835.2700 | 40.24 | -93.72 | -53.48 | -13.00 | 40.48 | 261 | 300 | Horizontal |
| 4 | 13709.925 | 43.57 | -91.23 | -47.66 | -13.00 | 34.66 | 148 | 225 | Horizontal |
| 5 | 15180.3600 | 38.99 | -90.18 | -51.19 | -13.00 | 38.19 | 175 | 151 | Horizontal |
| 6 | 17169.7 | 43.76 | -91.13 | -47.37 | -13.00 | 34.37 | 191 | 254 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7590.1800 | 46.91 | -101.65 | -54.74 | -13.00 | 41.74 | 122 | 255 | Vertical |
| 2 | 8860.95 | 48.91 | -98.14 | -49.23 | -13.00 | 36.23 | 236 | 118 | Vertical |
| 3 | 11835.2700 | 40.59 | -93.72 | -53.13 | -13.00 | 40.13 | 261 | 2 | Vertical |
| 4 | 13634.6 | 43.18 | -91.17 | -47.99 | -13.00 | 34.99 | 145 | 1 | Vertical |
| 5 | 15180.3600 | 37.60 | -90.18 | -52.58 | -13.00 | 39.58 | 185 | 209 | Vertical |
| 6 | 17166.25 | 44.26 | -91.10 | -46.84 | -13.00 | 33.84 | 196 | 344 | Vertical |



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Test Band = NSA 66A-n77A 3700-3980_TM1
Test Channel = High

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 47.90 | -101.09 | -53.19 | -13.00 | 40.19 | 154 | 62 | Horizontal |
| 2 | 8662 | 48.47 | -98.58 | -50.11 | -13.00 | 37.11 | 126 | 257 | Horizontal |
| 3 | 11805.2700 | 40.88 | -93.71 | -52.83 | -13.00 | 39.83 | 236 | 227 | Horizontal |
| 4 | 14411.425 | 42.51 | -90.17 | -47.66 | -13.00 | 34.66 | 261 | 302 | Horizontal |
| 5 | 15740.3600 | 38.95 | -90.17 | -51.22 | -13.00 | 38.22 | 145 | 331 | Horizontal |
| 6 | 16836.2 | 44.15 | -91.29 | -47.14 | -13.00 | 34.14 | 195 | 122 | Horizontal |

| Final Data List | | | | | | | | | |
|-----------------|-----------------|----------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|
| NO. | Frequency [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle [°] | Polarity |
| 1 | 7870.1800 | 47.54 | -101.09 | -53.55 | -13.00 | 40.55 | 199 | 316 | Vertical |
| 2 | 8948.925 | 48.58 | -97.98 | -49.40 | -13.00 | 36.40 | 145 | 150 | Vertical |
| 3 | 11805.2700 | 41.06 | -93.71 | -52.65 | -13.00 | 39.65 | 185 | 356 | Vertical |
| 4 | 14745.5 | 43.09 | -90.39 | -47.30 | -13.00 | 34.30 | 263 | 194 | Vertical |
| 5 | 15740.3600 | 38.90 | -90.17 | -51.27 | -13.00 | 38.27 | 236 | 346 | Vertical |
| 6 | 16959.25 | 43.67 | -90.62 | -46.95 | -13.00 | 33.95 | 215 | 181 | Vertical |

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

Level = Reading Level(dBμV) + Factor(dB):

Factor = AF(dB/m) + Cable Factor(dB) - Preamplifier gain(dB)

AF = Antenna Factor(dB/m)

Margin = Limit(dBm) – Level(dBm)



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Rev.: 01

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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

| Voltage | | | | | | | | | | |
|---------------|-----|-----------|-------------|---------|------------|---------|-------------|----------------|-----------------|---------|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation (Hz) | Deviation (ppm) | Verdict |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | VH | NT | 7.100000 | 0.001849 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | VN | NT | 4.700000 | 0.001224 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | VL | NT | 11.000000 | 0.002865 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | VH | NT | 6.200000 | 0.001615 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | VN | NT | 6.400000 | 0.001667 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | VL | NT | 5.200000 | 0.001354 | PASS |



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Frequency Error VS. Temperature

| Voltage | | | | | | | | | | |
|---------------|-----|-----------|-------------|---------|------------|---------|-------------|---------------|-----------------|---------|
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Voltage | Temperature | Deviation(Hz) | Deviation (ppm) | Verdict |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | -30 | 7.400000 | 0.001927 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | -20 | 2.600000 | 0.000677 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | -10 | 2.600000 | 0.000677 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | 0 | 8.900000 | 0.002318 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | 10 | 11.000000 | 0.002865 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | 20 | 7.300000 | 0.001901 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | 30 | 16.100000 | 0.004193 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | 40 | 11.300000 | 0.002943 | PASS |
| N77-3700-3980 | 30 | 100 | DFT-PI2BPSK | M | Outer_Full | NV | 50 | 2.600000 | 0.000677 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | -30 | 8.500000 | 0.002214 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | -20 | 0.700000 | 0.000182 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | -10 | -0.900000 | -0.000234 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 0 | 4.700000 | 0.001224 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 10 | 6.000000 | 0.001563 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 20 | 3.600000 | 0.000938 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 30 | 6.900000 | 0.001797 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 40 | 5.700000 | 0.001484 | PASS |
| N77-3700-3980 | 30 | 100 | CP-QPSK | M | Outer_Full | NV | 50 | 3.600000 | 0.000938 | PASS |

The End



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