

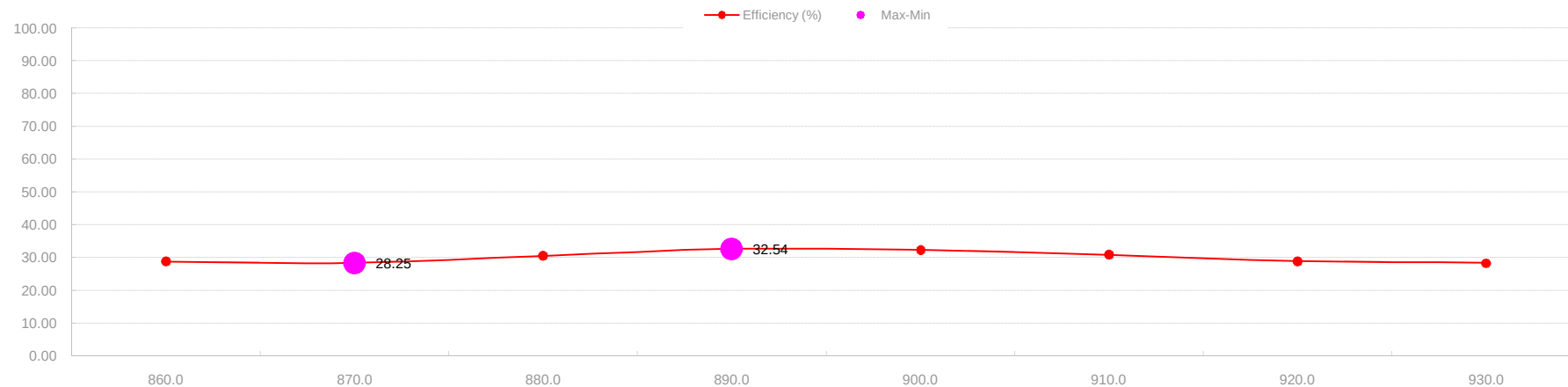


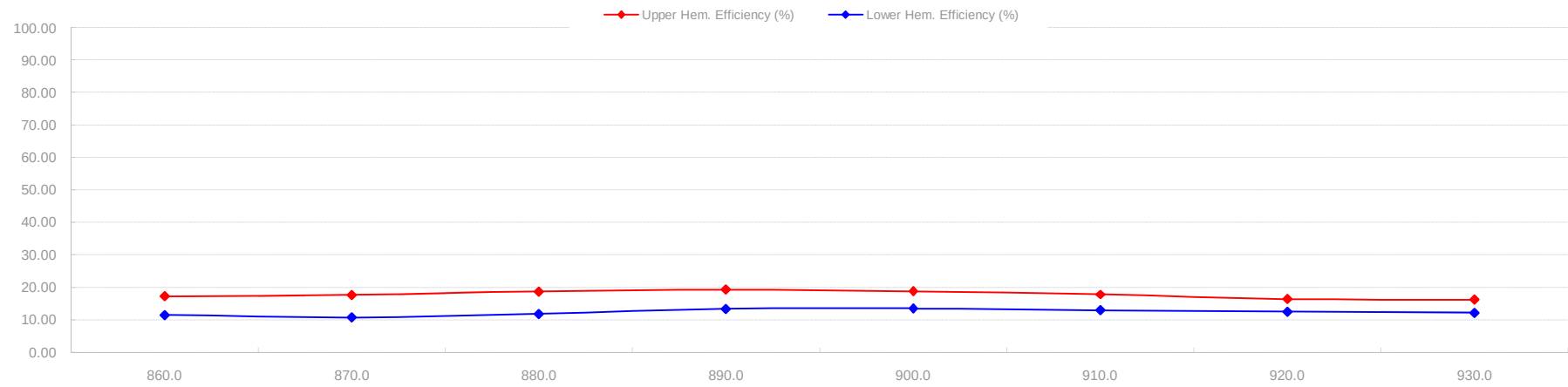
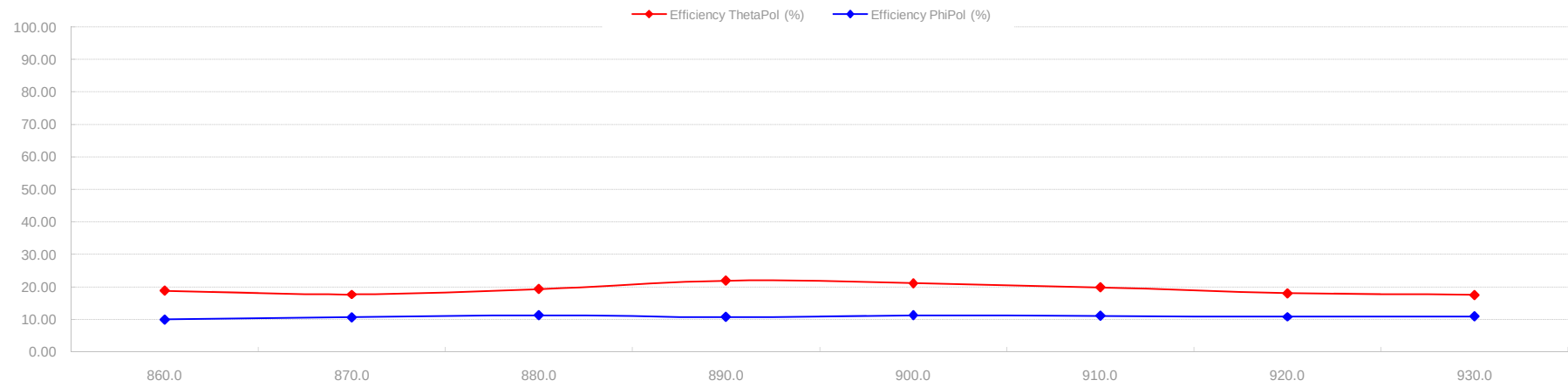
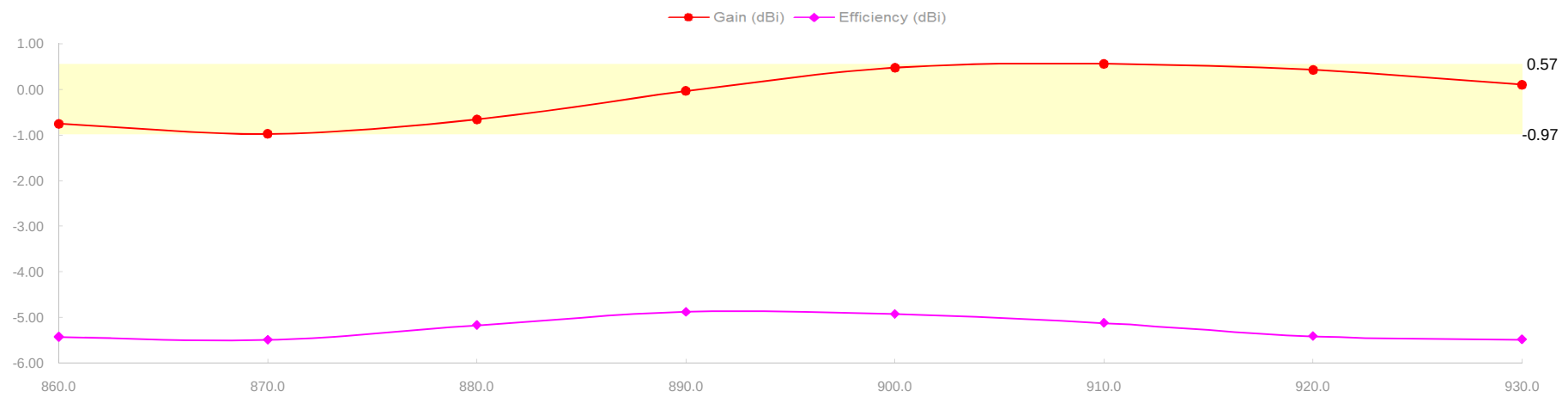
## M.gear

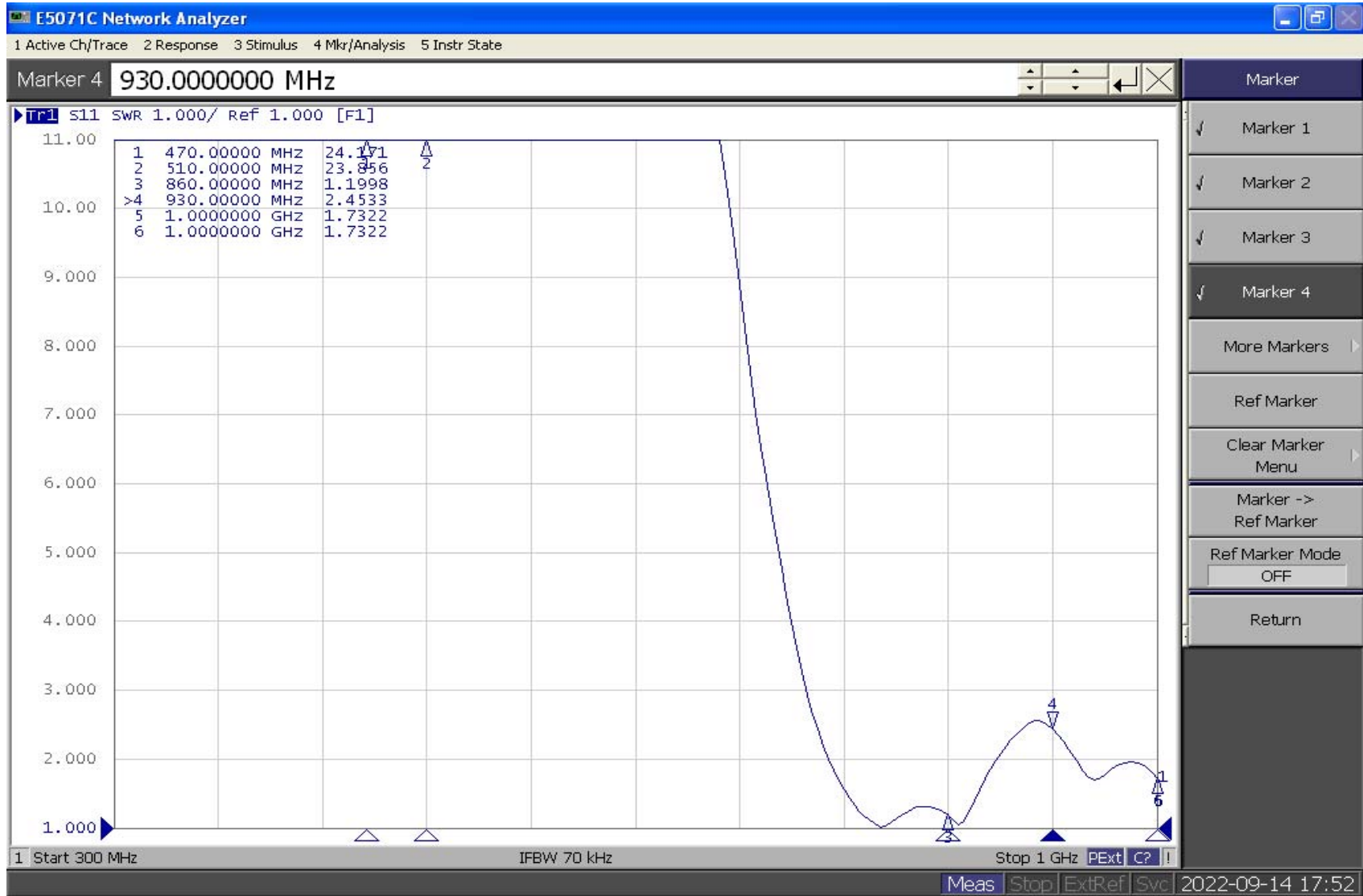
| Frequency ID               | 1      | 2      | 3     | 4      | 5      | 6      | 7      | 8      |
|----------------------------|--------|--------|-------|--------|--------|--------|--------|--------|
| Frequency (MHz)            | 860.0  | 870.0  | 880.0 | 890.0  | 900.0  | 910.0  | 920.0  | 930.0  |
| Efficiency (dBi)           | -5.43  | -5.49  | -5.17 | -4.88  | -4.92  | -5.12  | -5.41  | -5.48  |
| Gain (dBi)                 | -0.75  | -0.97  | -0.66 | -0.03  | 0.48   | 0.57   | 0.44   | 0.11   |
| Efficiency (%)             | 28.66  | 28.25  | 30.43 | 32.54  | 32.21  | 30.78  | 28.77  | 28.30  |
| Directivity (dB)           | 4.67   | 4.52   | 4.51  | 4.84   | 5.40   | 5.68   | 5.85   | 5.59   |
| Peak Gain Position (Theta) | 90.00  | 45.00  | 90.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 |
| Peak Gain Position (Phi)   | 255.00 | 120.00 | 75.00 | 90.00  | 90.00  | 90.00  | 90.00  | 90.00  |
| Efficiency ThetaPol (%)    | 18.78  | 17.66  | 19.25 | 21.86  | 21.05  | 19.76  | 17.99  | 17.43  |
| Efficiency PhiPol (%)      | 9.88   | 10.59  | 11.18 | 10.69  | 11.16  | 11.02  | 10.78  | 10.87  |
| Upper Hem. Efficiency (%)  | 17.22  | 17.59  | 18.66 | 19.24  | 18.76  | 17.83  | 16.33  | 16.16  |
| Lower Hem. Efficiency (%)  | 11.44  | 10.66  | 11.77 | 13.30  | 13.45  | 12.94  | 12.44  | 12.14  |

|                                                  |        |        |        |        |        |       |       |       |
|--------------------------------------------------|--------|--------|--------|--------|--------|-------|-------|-------|
| T90(H)roundness                                  | 15.74  | 14.24  | 14.79  | 16.47  | 16.29  | 16.14 | 14.59 | 12.34 |
| Gain 15deg (dBi)                                 |        |        |        |        |        |       |       |       |
| E1(XZ)beam width                                 | 98.00  | 104.00 | 106.00 | 103.00 | 106.00 | 65.00 | 66.00 | 74.00 |
| E1(XZ)front-to-rear ratio                        | 5.23   | 6.45   | 5.65   | 5.75   | 3.83   | 2.47  | 1.33  | 0.22  |
| E2(YZ)beam width                                 | 103.00 | 117.00 | 106.00 | 100.00 | 89.00  | 80.00 | 67.00 | 55.00 |
| E2(YZ)front-to-rear ratio                        | 7.79   | 8.03   | 6.54   | 5.57   | 6.08   | 6.59  | 6.85  | 7.00  |
| Maximum benefit axis ratio                       | 11.53  | 11.53  | 18.51  | 37.83  | 36.27  | 43.76 | 26.89 | 23.10 |
| peak(Theta=0)Axial ratio(P)                      | 16.41  | 9.15   | 9.62   | 10.44  | 11.05  | 8.99  | 7.12  | 2.61  |
| elevation 10° axial ratio(P)                     | 48.79  | 51.11  | 46.09  | 46.30  | 46.13  | 46.05 | 65.82 | 54.07 |
| Hc(XY)beam width                                 | 83.00  | 69.00  | 75.00  | 67.00  | 65.00  | 62.00 | 59.00 | 55.00 |
| Hc(XY)front-to-rear ratio                        | 0.00   | 0.48   | 0.49   | 0.00   | 0.00   | 0.00  | 0.00  | 0.00  |
| Left-handed circular polarization efficiency(%)  | 8.44   | 6.66   | 8.31   | 11.05  | 12.19  | 12.27 | 11.71 | 11.14 |
| Right handed circular polarization efficiency(%) | 20.22  | 21.60  | 22.12  | 21.49  | 20.02  | 18.51 | 17.06 | 17.16 |
| Empty                                            |        |        |        |        |        |       |       |       |

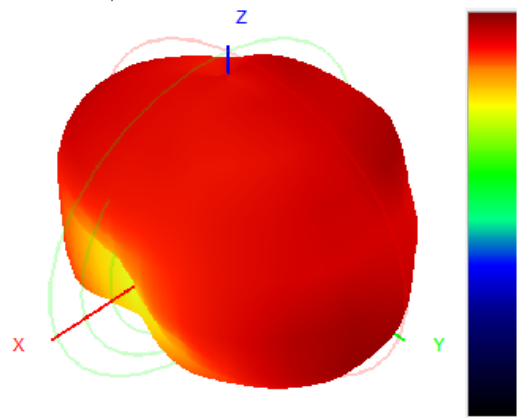
Xiamen Milesight IoT Co., Ltd.  
Add: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China



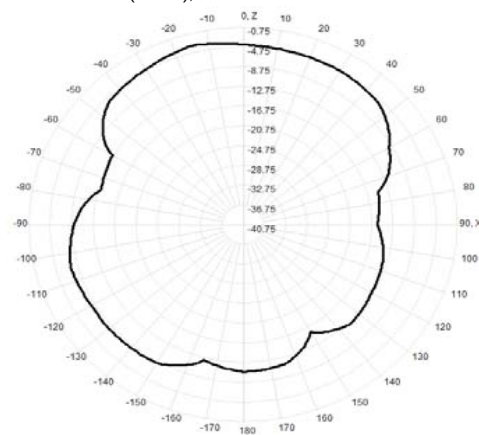




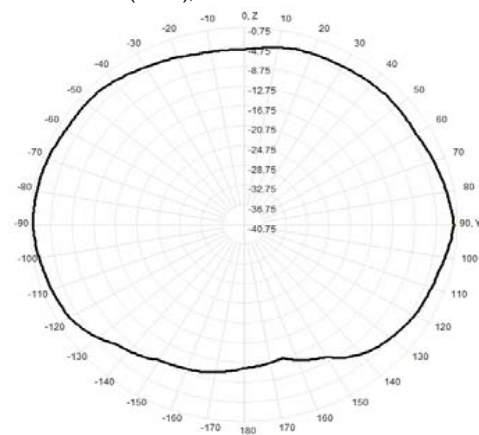
860.0MHz H+V, Eff: 28.7%



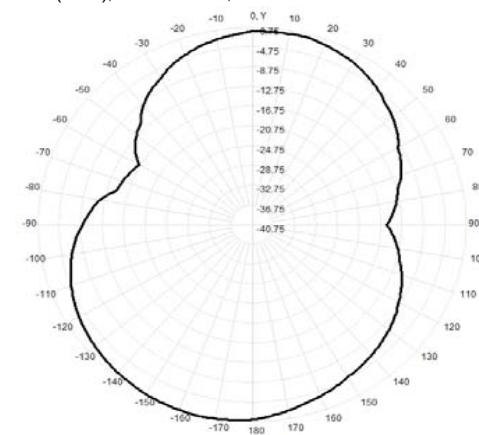
860.0MHz Total(E1-XZ), Max= -3.23dBi



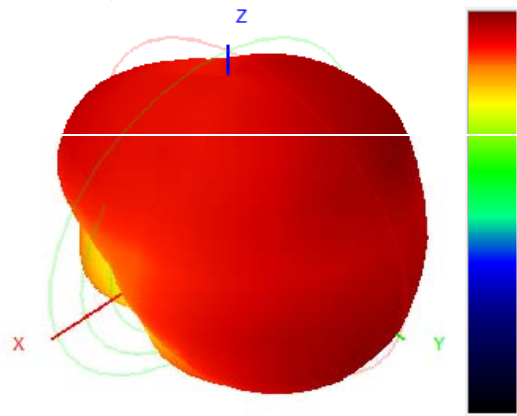
860.0MHz Total(E2-YZ), Max= -1.36dBi



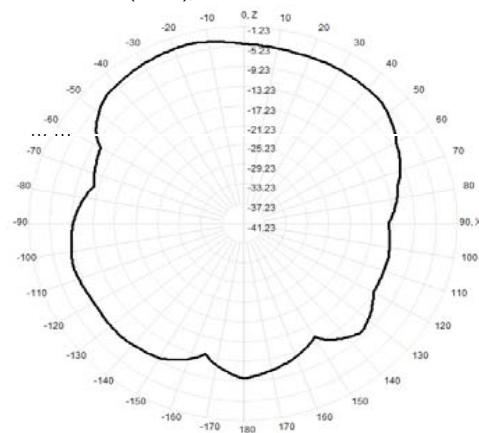
Total(H-XY), Max= -0.75dBi, CirD=15.74



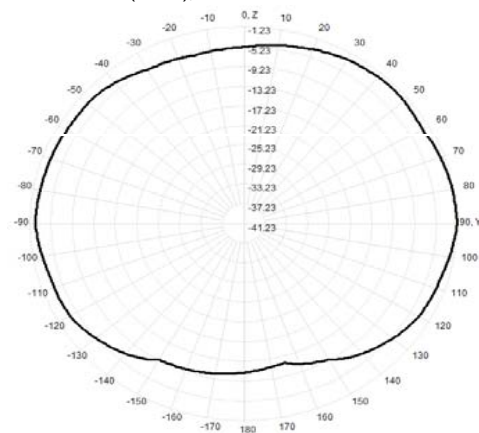
870.0MHz H+V, Eff: 28.3%



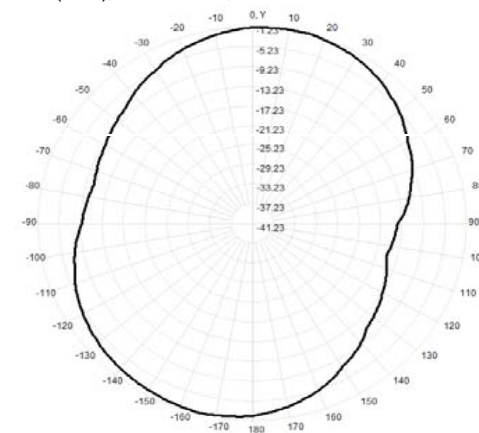
870.0MHz Total(E1-XZ), Max= -3.36dBi



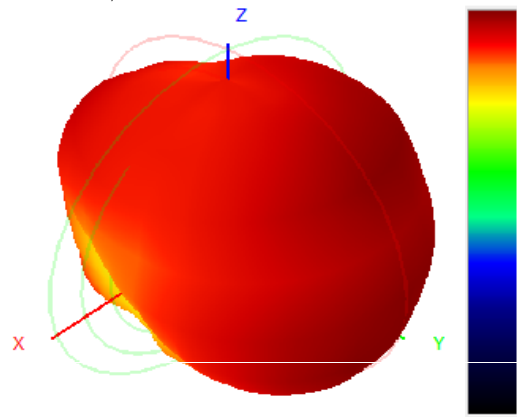
870.0MHz Total(E2-YZ), Max= -1.43dBi



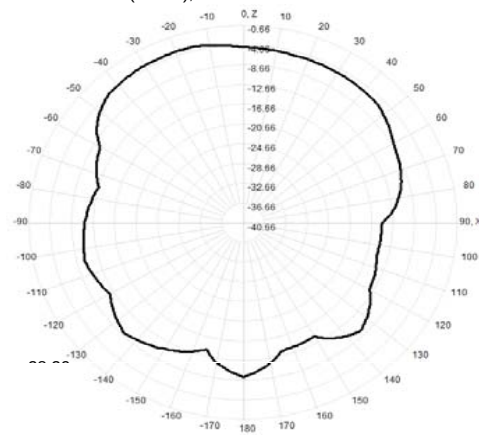
Total(H-XY), Max= -1.23dBi, CirD=14.24



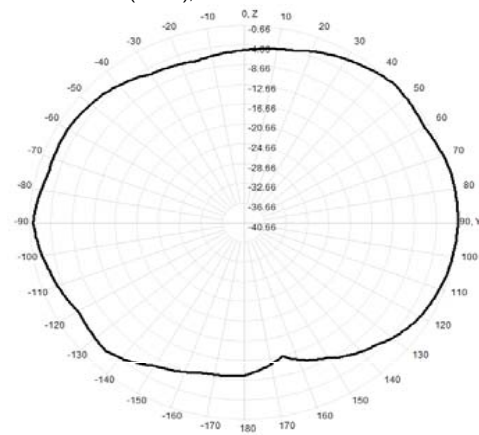
880.0MHz H+V, Eff: 30.4%



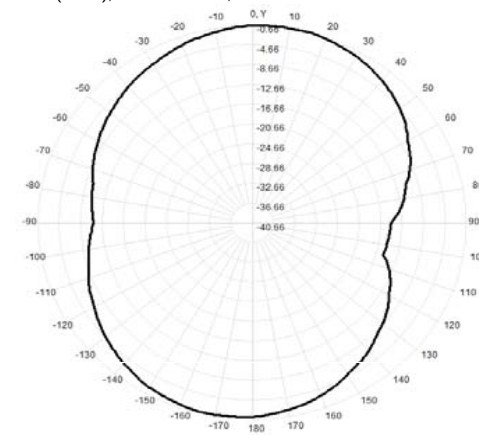
880.0MHz Total(E1-XZ), Max= -3.78dBi



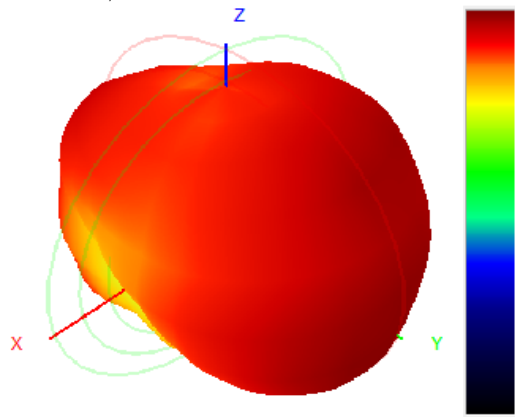
880.0MHz Total(E2-YZ), Max= -0.67dBi



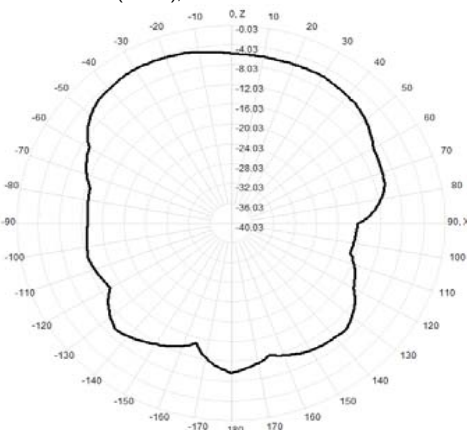
Total(H-XY), Max= -0.66dBi, CirD=14.79



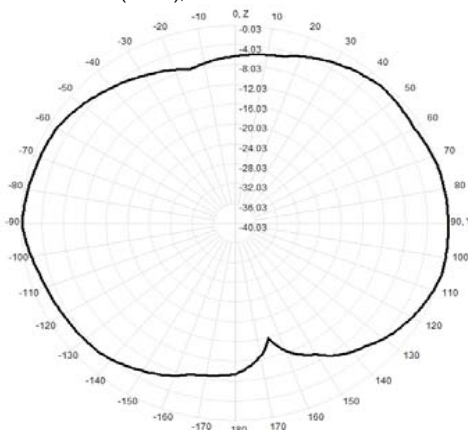
890.0MHz H+V, Eff: 32.5%



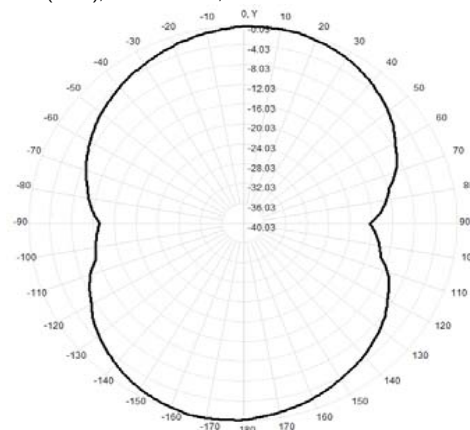
890.0MHz Total(E1-XZ), Max= -4.07dBi



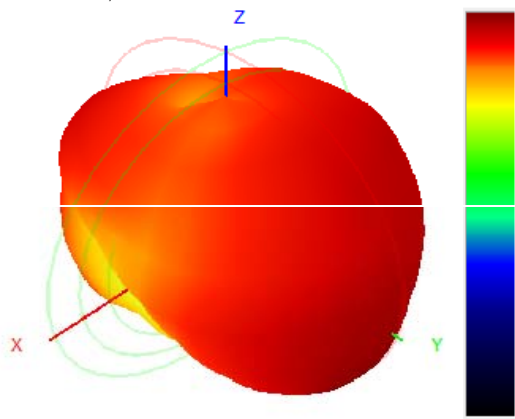
890.0MHz Total(E2-YZ), Max= -0.03dBi



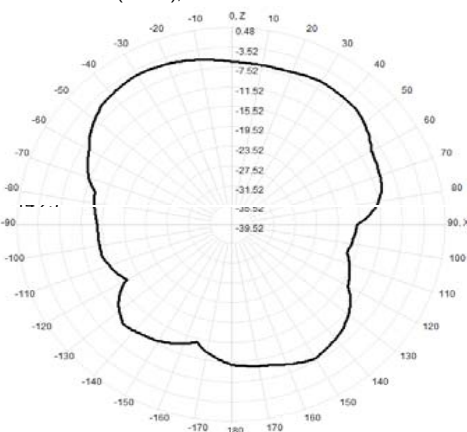
Total(H-XY), Max= -0.06dBi, CirD=16.47



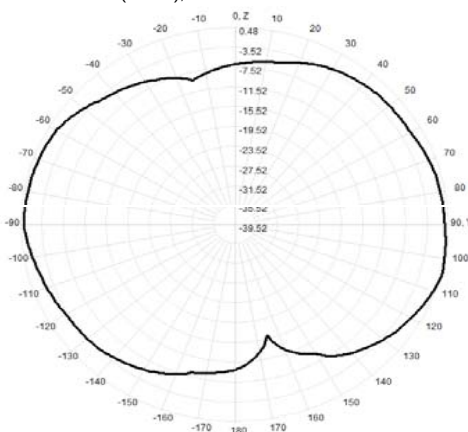
900.0MHz H+V, Eff: 32.2%



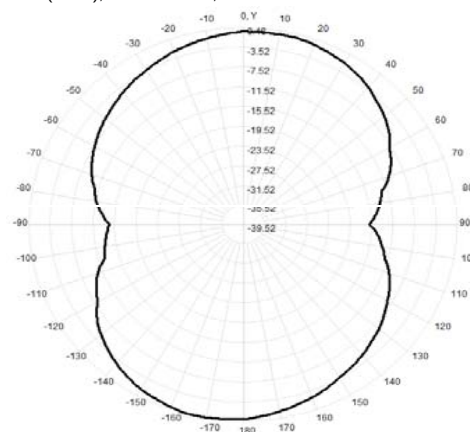
900.0MHz Total(E1-XZ), Max= -4.38dBi



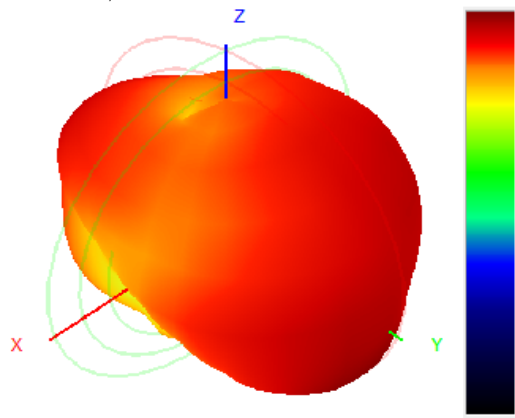
900.0MHz Total(E2-YZ), Max= 0.48dBi



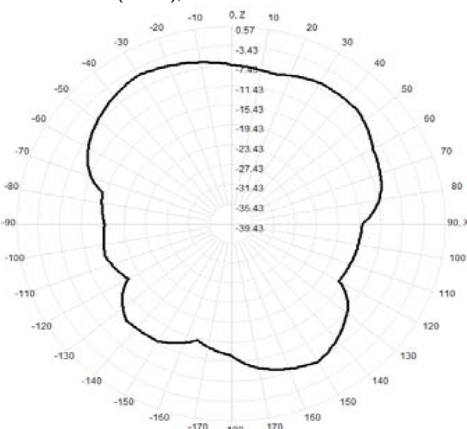
Total(H-XY), Max= 0.21dBi, CirD=16.29



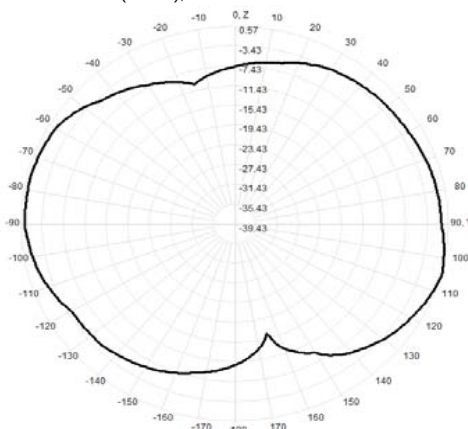
910.0MHz H+V, Eff: 30.8%



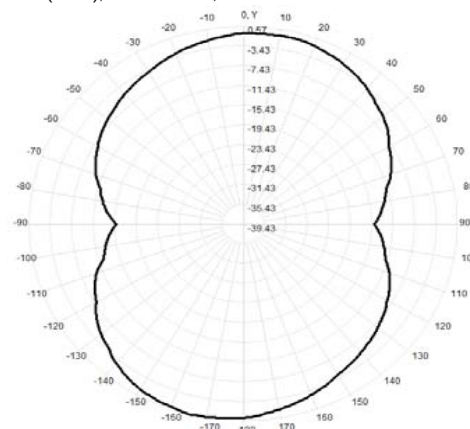
910.0MHz Total(E1-XZ), Max= -4.72dBi



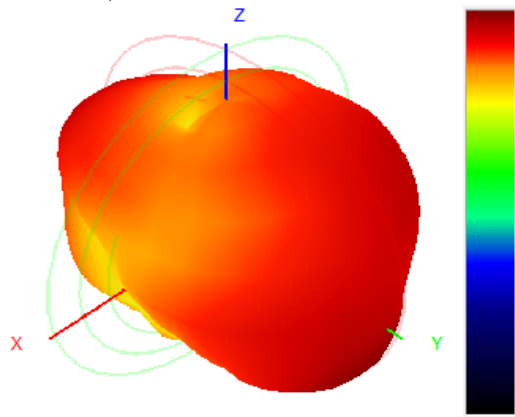
910.0MHz Total(E2-YZ), Max= 0.57dBi



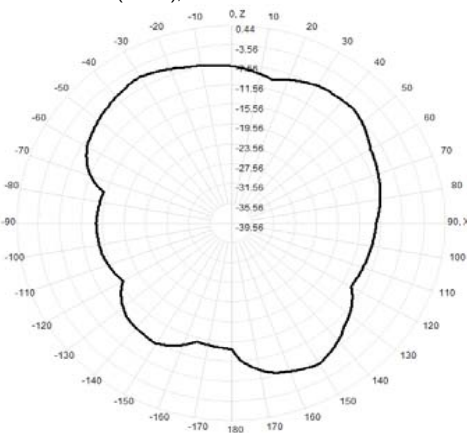
Total(H-XY), Max= 0.32dBi, CirD=16.14



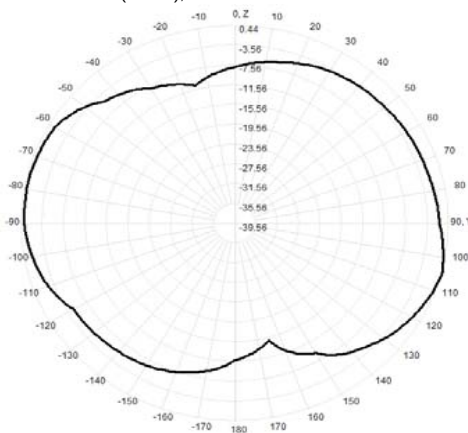
920.0MHz H+V, Eff: 28.8%



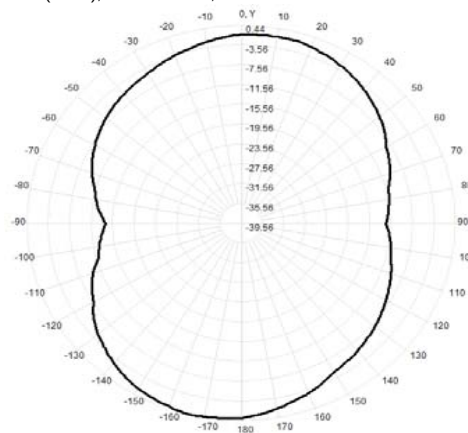
920.0MHz Total(E1-XZ), Max= -5.43dBi



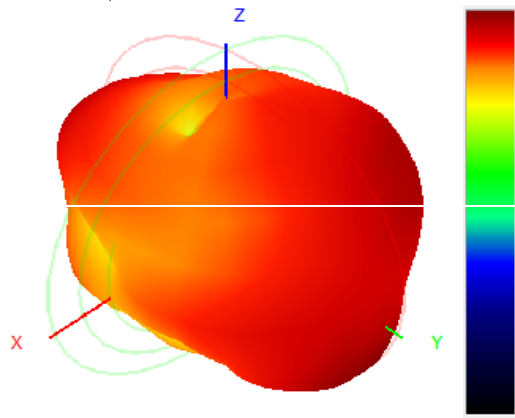
920.0MHz Total(E2-YZ), Max= 0.44dBi



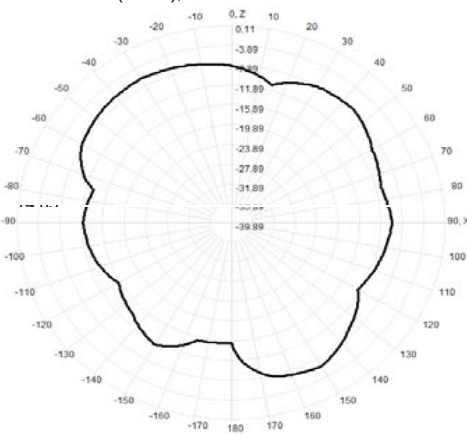
Total(H-XY), Max= 0.24dBi, CirD=14.59



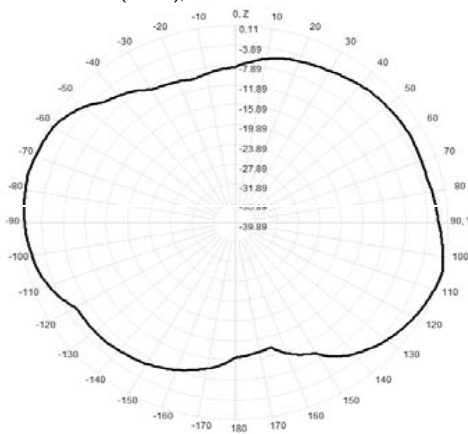
930.0MHz H+V, Eff: 28.3%



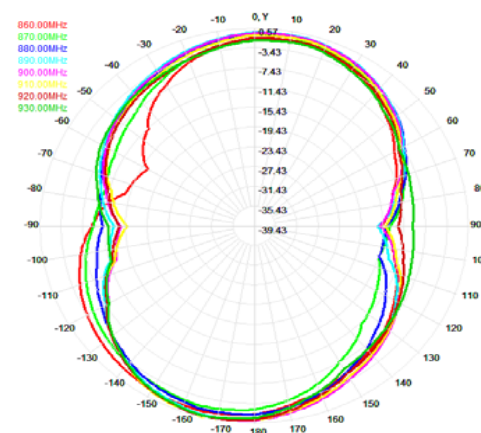
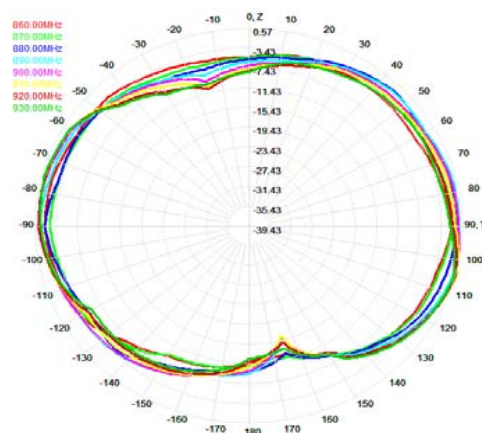
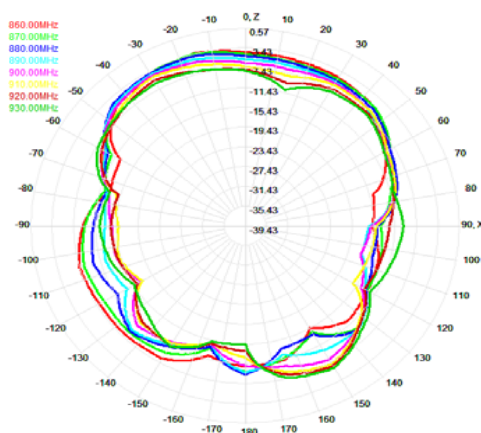
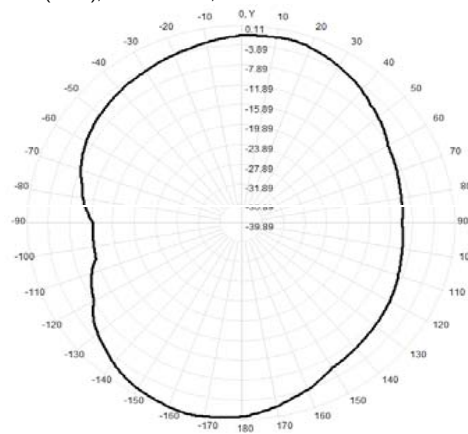
930.0MHz Total(E1-XZ), Max= -6.12dBi



930.0MHz Total(E2-YZ), Max= 0.11dBi



Total(H-XY), Max= 0.09dBi, CirD=12.34



Lora Antenna

dimension:10mm\*29.4mm

