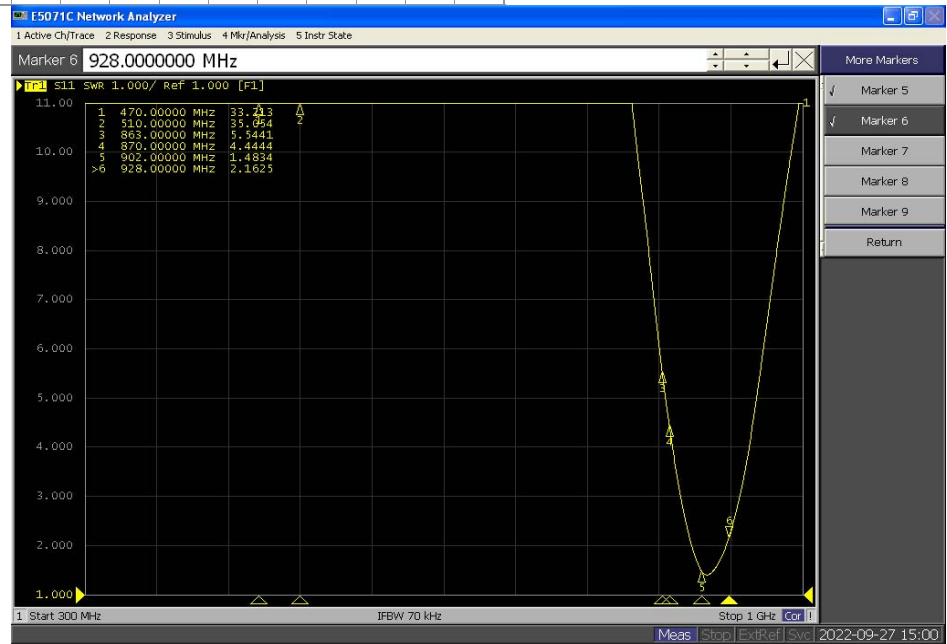
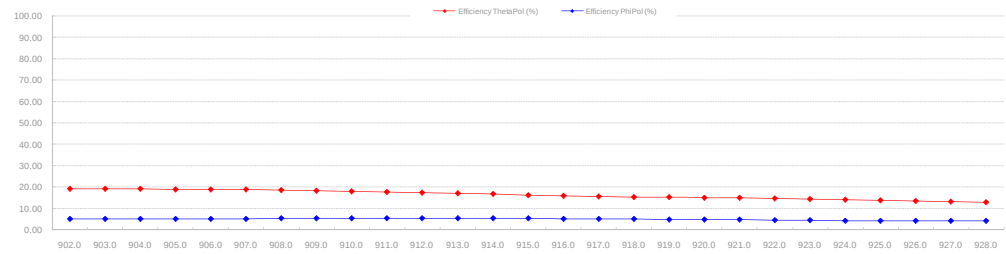
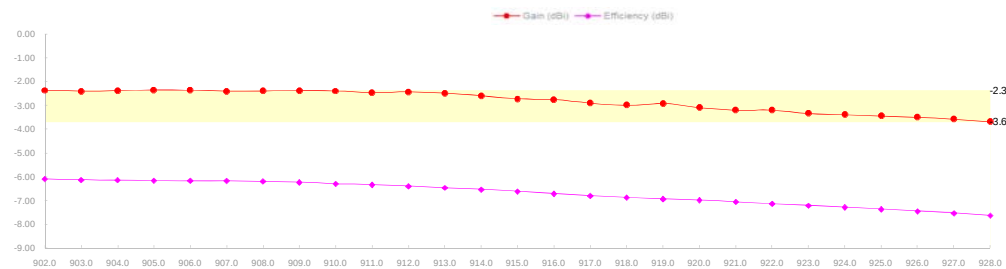
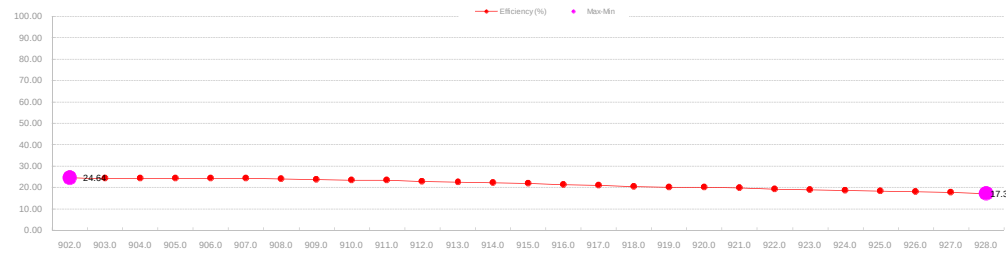
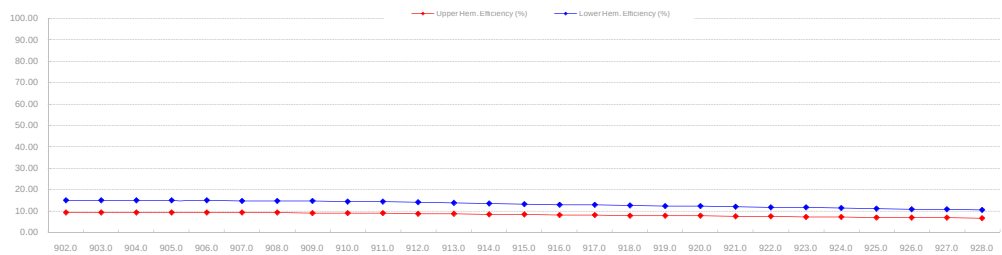


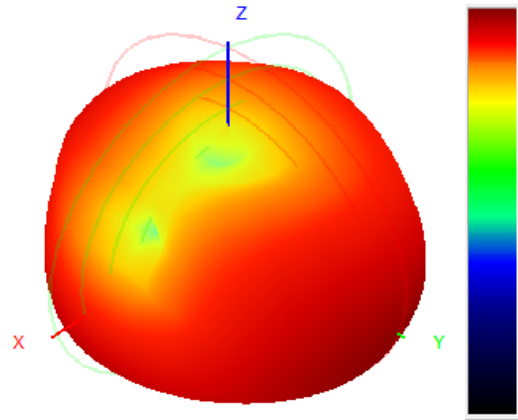
|                    |                                                      |
|--------------------|------------------------------------------------------|
| Manufacturer:      | Xiamen Milesight IoT Co.,Ltd.                        |
| Address:           | Building C09, Software Park Phase III, Xiamen 361024 |
| Model number:      | UC500-900M                                           |
| Maximum gain(dBi): | -2.35                                                |

|                                                                                                               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <div></div> <div>M.gear</div> |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| Frequency ID                                                                                                  | 1      | 2      | 3      | 4      | 5      | 6      | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     | 18     | 19     | 20     | 21     | 22     | 23     | 24     | 25     | 26     | 27     |
| Frequency (MHz)                                                                                               | 902.0  | 903.0  | 904.0  | 905.0  | 906.0  | 907.0  | 908.0  | 909.0  | 910.0  | 911.0  | 912.0  | 913.0  | 914.0  | 915.0  | 916.0  | 917.0  | 918.0  | 919.0  | 920.0  | 921.0  | 922.0  | 923.0  | 924.0  | 925.0  | 926.0  | 927.0  | 928.0  |
| Efficiency (dBi)                                                                                              | -6.08  | -6.12  | -6.13  | -6.15  | -6.15  | -6.16  | -6.18  | -6.22  | -6.29  | -6.32  | -6.39  | -6.45  | -6.53  | -6.61  | -6.70  | -6.79  | -6.86  | -6.93  | -6.97  | -7.04  | -7.13  | -7.20  | -7.27  | -7.36  | -7.44  | -7.52  | -7.62  |
| Gain (dBi)                                                                                                    | -2.36  | -2.39  | -2.38  | -2.35  | -2.36  | -2.40  | -2.39  | -2.37  | -2.39  | -2.45  | -2.43  | -2.48  | -2.59  | -2.72  | -2.75  | -2.89  | -2.98  | -2.91  | -3.08  | -3.20  | -3.18  | -3.33  | -3.37  | -3.43  | -3.49  | -3.56  | -3.67  |
| Efficiency (%)                                                                                                | 24.64  | 24.41  | 24.39  | 24.25  | 24.24  | 24.22  | 24.10  | 23.86  | 23.52  | 23.32  | 22.98  | 22.64  | 22.24  | 21.84  | 21.36  | 20.94  | 20.59  | 20.29  | 20.09  | 19.75  | 19.38  | 19.06  | 18.74  | 18.38  | 18.02  | 17.68  | 17.30  |
| Directivity (dB)                                                                                              | 3.72   | 3.73   | 3.75   | 3.80   | 3.80   | 3.76   | 3.79   | 3.86   | 3.90   | 3.87   | 3.96   | 3.97   | 3.93   | 3.89   | 3.96   | 3.90   | 3.88   | 4.01   | 3.89   | 3.85   | 3.94   | 3.87   | 3.90   | 3.93   | 3.95   | 3.97   | 3.95   |
| Peak Gain Position (Th)                                                                                       | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 | 105.00 |
| Peak Gain Position (Phi)                                                                                      | 105.00 | 105.00 | 90.00  | 105.00 | 105.00 | 90.00  | 90.00  | 105.00 | 90.00  | 90.00  | 105.00 | 105.00 | 105.00 | 90.00  | 90.00  | 90.00  | 90.00  | 90.00  | 90.00  | 105.00 | 255.00 | 90.00  | 255.00 | 255.00 | 90.00  | 255.00 | 255.00 |
| Efficiency ThetaPol (%)                                                                                       | 19.39  | 19.22  | 19.20  | 19.09  | 19.02  | 18.93  | 18.74  | 18.45  | 18.07  | 17.79  | 17.43  | 17.10  | 16.74  | 16.38  | 16.01  | 15.71  | 15.48  | 15.29  | 15.19  | 14.99  | 14.75  | 14.52  | 14.29  | 14.01  | 13.71  | 13.42  | 13.10  |
| Efficiency PhiPol (%)                                                                                         | 5.25   | 5.19   | 5.19   | 5.16   | 5.22   | 5.29   | 5.35   | 5.41   | 5.45   | 5.52   | 5.55   | 5.54   | 5.51   | 5.45   | 5.35   | 5.24   | 5.11   | 5.00   | 4.90   | 4.77   | 4.63   | 4.54   | 4.45   | 4.36   | 4.31   | 4.26   | 4.19   |
| Upper Hem. Efficiency                                                                                         | 9.46   | 9.38   | 9.37   | 9.31   | 9.30   | 9.31   | 9.25   | 9.18   | 9.05   | 8.98   | 8.83   | 8.72   | 8.56   | 8.43   | 8.24   | 8.08   | 7.94   | 7.82   | 7.75   | 7.64   | 7.49   | 7.38   | 7.26   | 7.14   | 7.00   | 6.90   | 6.77   |
| Lower Hem. Efficiency                                                                                         | 15.18  | 15.03  | 15.02  | 14.94  | 14.94  | 14.91  | 14.84  | 14.68  | 14.47  | 14.34  | 14.15  | 13.92  | 13.68  | 13.41  | 13.13  | 12.87  | 12.65  | 12.47  | 12.34  | 12.12  | 11.89  | 11.68  | 11.48  | 11.24  | 11.02  | 10.79  | 10.53  |
| T90(H)圖度                                                                                                      | 4.51   | 4.70   | 4.76   | 4.80   | 4.99   | 4.81   | 5.06   | 5.25   | 5.39   | 5.19   | 5.44   | 5.53   | 5.45   | 5.75   | 5.96   | 6.02   | 5.74   | 6.22   | 5.91   | 6.07   | 6.42   | 6.57   | 6.33   | 6.55   | 6.60   | 6.75   | 6.95   |
| Gain 15deg (dBi)                                                                                              | 58.00  | 66.00  | 61.00  | 62.00  | 64.00  | 67.00  | 60.00  | 59.00  | 75.00  | 60.00  | 103.00 | 97.00  | 105.00 | 104.00 | 109.00 | 103.00 | 101.00 | 105.00 | 110.00 | 105.00 | 99.00  | 99.00  | 106.00 | 109.00 | 104.00 | 103.00 | 110.00 |
| E1(XZ)波瓣寬度                                                                                                    | 3.15   | 3.32   | 3.19   | 3.05   | 3.30   | 3.14   | 3.23   | 3.18   | 3.36   | 3.13   | 3.28   | 3.36   | 3.11   | 3.30   | 3.20   | 3.35   | 3.28   | 3.31   | 3.23   | 3.25   | 3.28   | 3.48   | 3.26   | 3.42   | 3.30   | 3.40   | 3.29   |
| E2(YZ)波瓣寬度                                                                                                    | 65.00  | 65.00  | 65.00  | 65.00  | 64.00  | 64.00  | 64.00  | 63.00  | 63.00  | 63.00  | 62.00  | 62.00  | 61.00  | 62.00  | 62.00  | 61.00  | 61.00  | 60.00  | 61.00  | 62.00  | 60.00  | 61.00  | 61.00  | 60.00  | 59.00  | 76.00  | 77.00  |
| E2(YZ)前肩比                                                                                                     | 4.59   | 4.46   | 4.63   | 4.51   | 4.55   | 4.54   | 4.53   | 4.72   | 4.81   | 4.61   | 4.79   | 4.87   | 4.74   | 4.85   | 4.72   | 4.53   | 4.78   | 4.82   | 4.71   | 4.65   | 4.69   | 4.55   | 4.79   | 4.66   | 4.70   | 4.83   | 4.71   |
| 最大增益軸比(P)                                                                                                     | 18.75  | 19.24  | 16.32  | 19.01  | 17.88  | 15.58  | 15.45  | 18.28  | 15.86  | 15.61  | 15.73  | 18.07  | 16.45  | 16.66  | 17.04  | 17.03  | 17.49  | 17.46  | 18.02  | 19.73  | 13.72  | 18.40  | 13.53  | 13.17  | 17.98  | 13.29  | 13.20  |
| 頂點(Theta=0)軸比(P)                                                                                              | 18.90  | 18.88  | 20.96  | 21.95  | 23.01  | 25.04  | 25.91  | 28.54  | 30.84  | 31.36  | 35.26  | 39.80  | 44.51  | 47.38  | 38.27  | 33.86  | 35.42  | 29.21  | 27.43  | 28.72  | 24.37  | 25.24  | 22.50  | 23.14  | 21.15  | 20.39  | 19.70  |
| 仰角10度量差(大)軸比(P)                                                                                               | 63.09  | 59.85  | 57.95  | 63.26  | 63.96  | 64.56  | 59.00  | 57.50  | 65.00  | 64.14  | 63.42  | 61.28  | 58.25  | 63.89  | 63.93  | 62.77  | 65.55  | 64.30  | 66.68  | 64.74  | 60.82  | 65.66  | 67.08  | 62.56  | 64.88  | 65.13  | 64.70  |
| Hc(XY)波瓣寬度                                                                                                    | 114.00 | 117.00 | 115.00 | 115.00 | 110.00 | 113.00 | 113.00 | 110.00 | 106.00 | 109.00 | 108.00 | 105.00 | 107.00 | 105.00 | 106.00 | 106.00 | 105.00 | 105.00 | 106.00 | 107.00 | 125.00 | 123.00 | 118.00 | 124.00 | 125.00 | 126.00 | 123.00 |
| Hc(XY)前后比                                                                                                     | 0.48   | 0.40   | 0.41   | 0.30   | 0.37   | 0.35   | 0.26   | 0.39   | 0.33   | 0.30   | 0.23   | 0.26   | 0.22   | 0.14   | 0.17   | 0.04   | 0.12   | 0.12   | 0.06   | 0.02   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 左旋圓極化效率(%)                                                                                                    | 11.97  | 11.87  | 11.87  | 11.80  | 11.80  | 11.78  | 11.70  | 11.58  | 11.42  | 11.31  | 11.15  | 10.96  | 10.79  | 10.59  | 10.34  | 10.13  | 9.95   | 9.81   | 9.69   | 9.53   | 9.35   | 9.20   | 9.03   | 8.86   | 8.70   | 8.53   | 8.36   |
| 右旋圓極化效率(%)                                                                                                    | 12.67  | 12.55  | 12.52  | 12.46  | 12.44  | 12.43  | 12.39  | 12.27  | 12.09  | 12.00  | 11.83  | 11.69  | 11.46  | 11.25  | 11.02  | 10.81  | 10.64  | 10.48  | 10.40  | 10.22  | 10.03  | 9.86   | 9.71   | 9.52   | 9.32   | 9.16   | 8.94   |
| Empty                                                                                                         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |

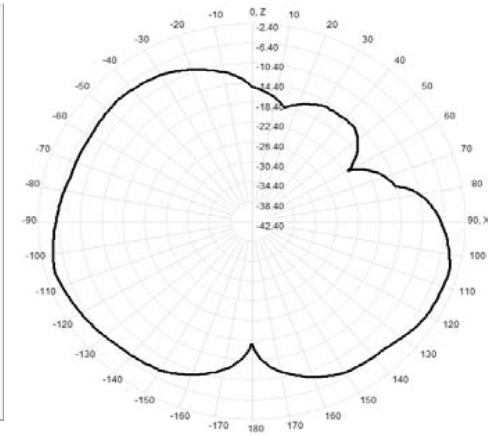




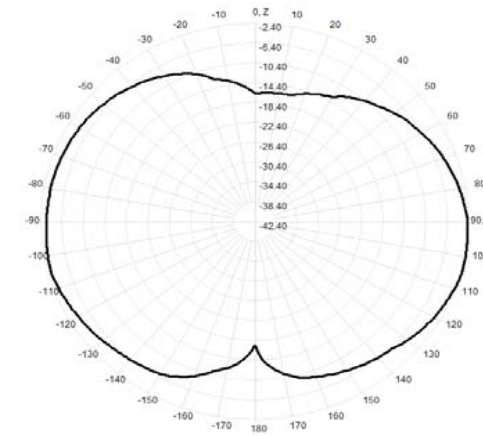
902.0MHz H+V, Eff: 24.6%



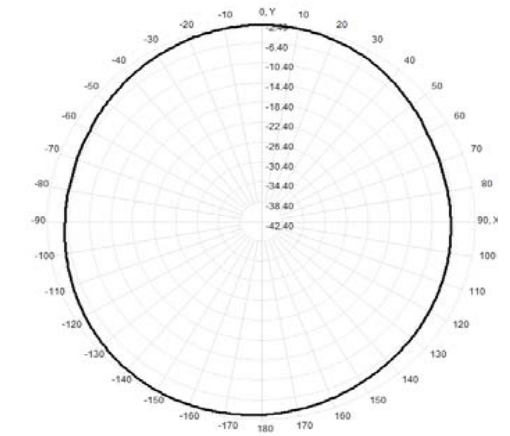
902.0MHz Total(E1-XZ), Max= -4.24dBi



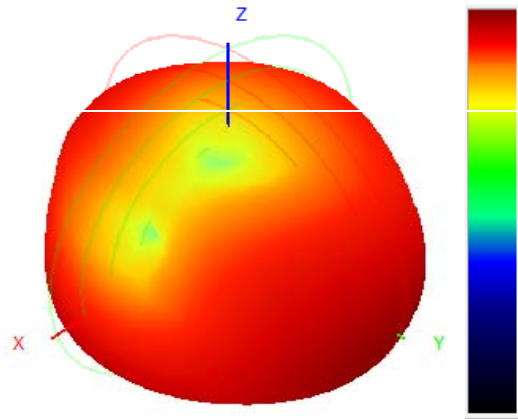
902.0MHz Total(E2-YZ), Max= -2.40dBi



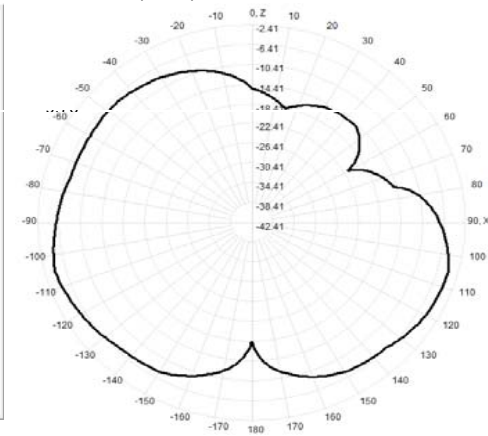
Total(H-XY), Max= -2.70dBi, CirD=4.51



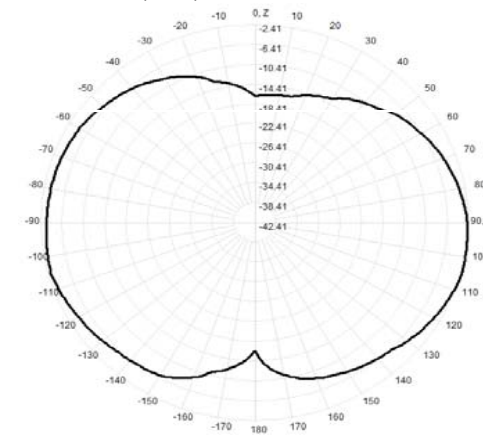
903.0MHz H+V, Eff: 24.4%



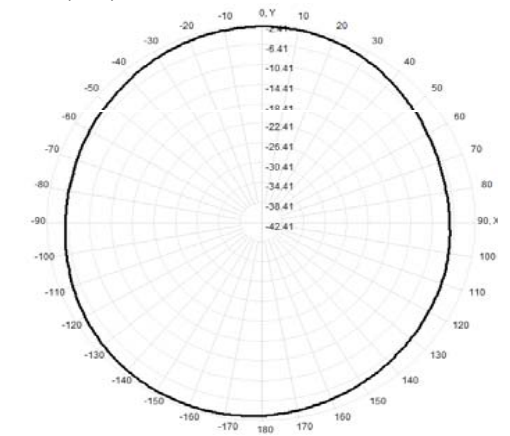
903.0MHz Total(E1-XZ), Max= -4.34dBi



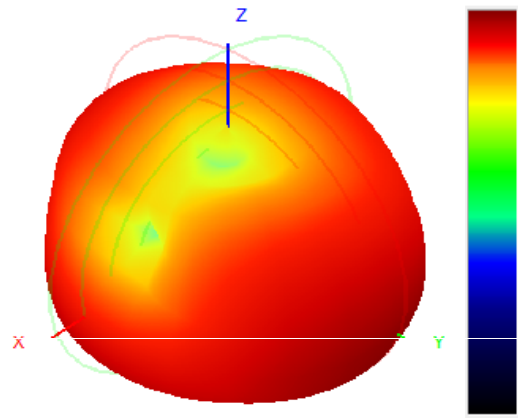
903.0MHz Total(E2-YZ), Max= -2.41dBi



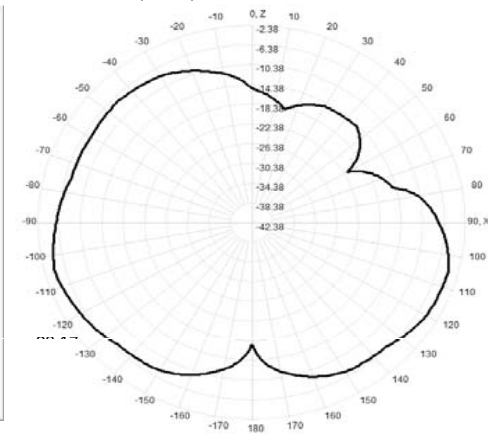
Total(H-XY), Max= -2.77dBi, CirD=4.70



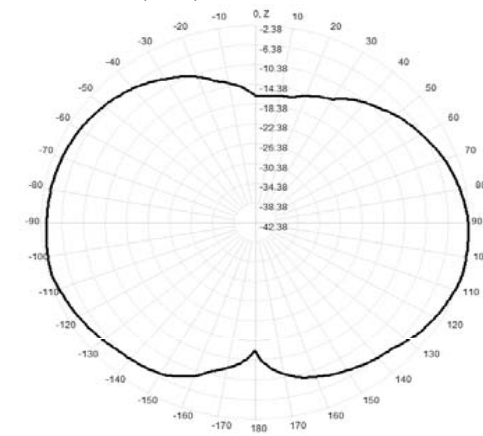
904.0MHz H+V, Eff: 24.4%



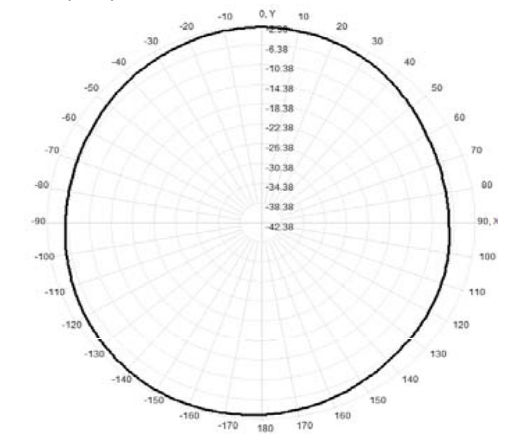
904.0MHz Total(E1-XZ), Max= -4.27dBi



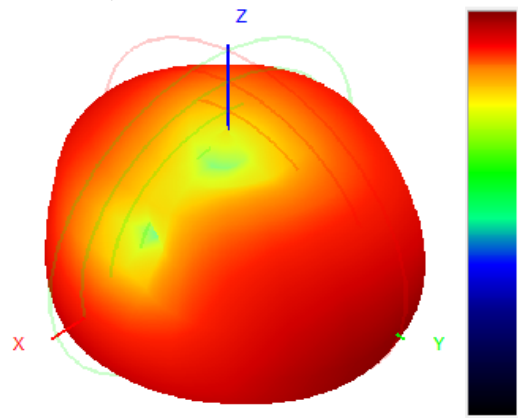
904.0MHz Total(E2-YZ), Max= -2.38dBi



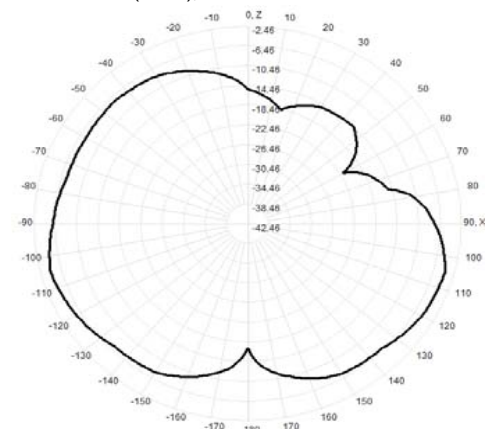
Total(H-XY), Max= -2.75dBi, CirD=4.76



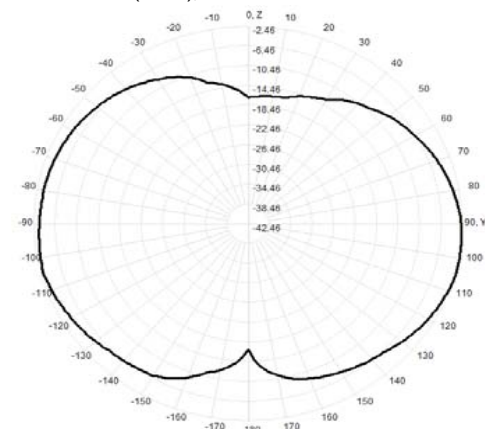
905.0MHz H+V, Eff: 24.3%



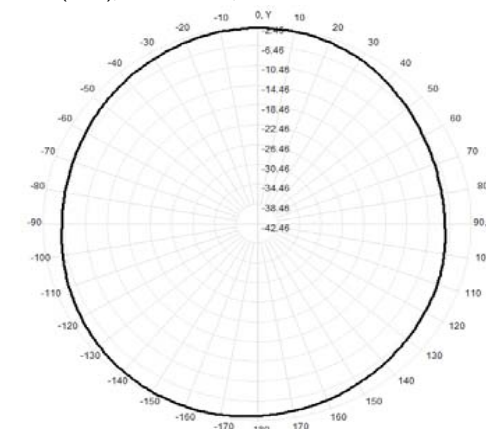
905.0MHz Total(E1-XZ), Max= -4.35dBi



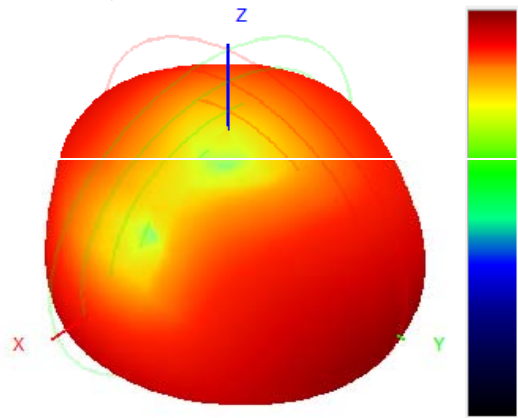
905.0MHz Total(E2-YZ), Max= -2.46dBi



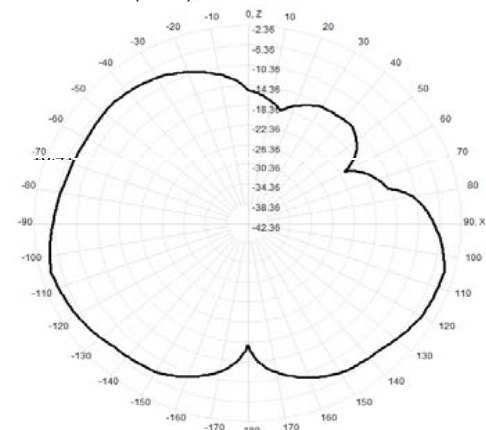
Total(H-XY), Max= -2.80dBi, CirD=4.80



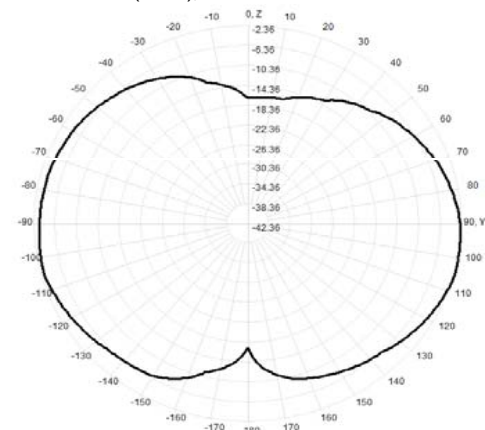
906.0MHz H+V, Eff: 24.2%



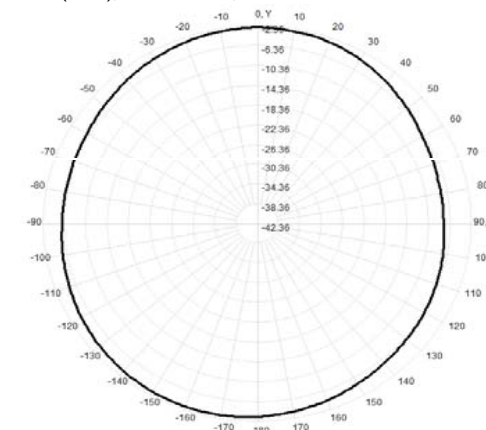
906.0MHz Total(E1-XZ), Max= -4.32dBi



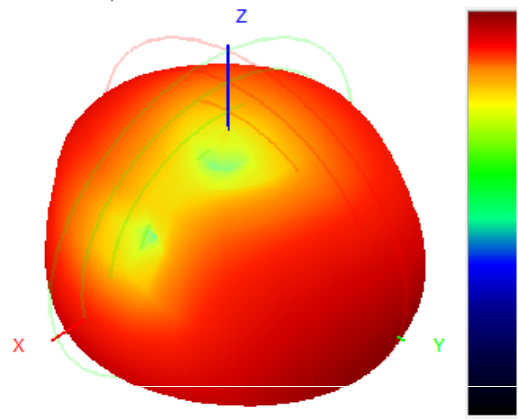
906.0MHz Total(E2-YZ), Max= -2.36dBi



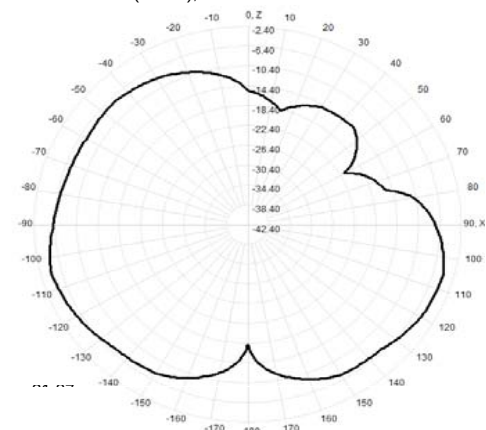
Total(H-XY), Max= -2.73dBi, CirD=4.99



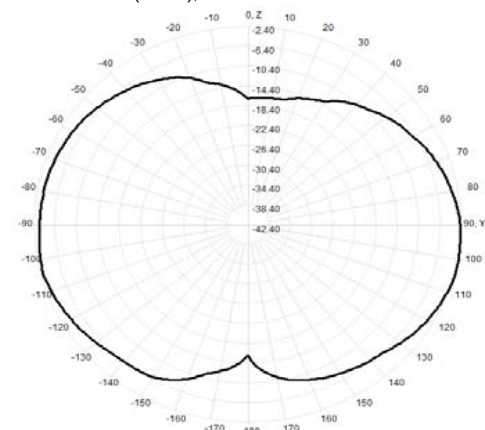
907.0MHz H+V, Eff: 24.2%



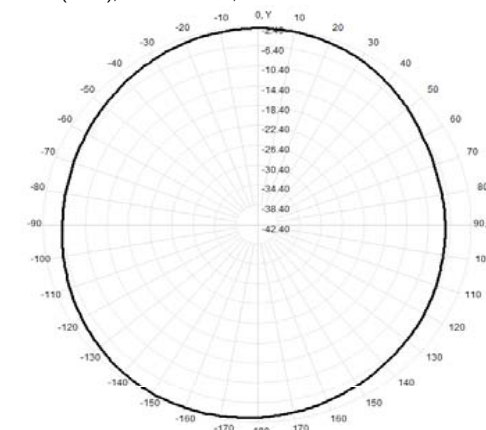
907.0MHz Total(E1-XZ), Max= -4.37dBi



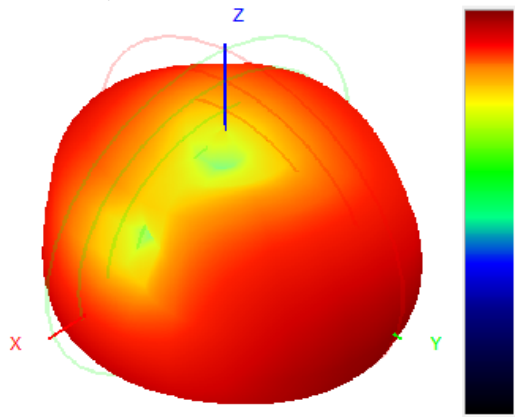
907.0MHz Total(E2-YZ), Max= -2.40dBi



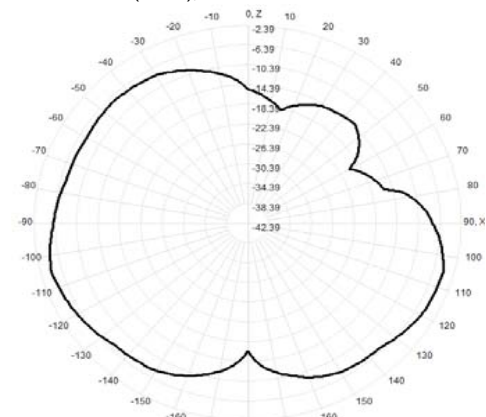
Total(H-XY), Max= -2.75dBi, CirD=4.81



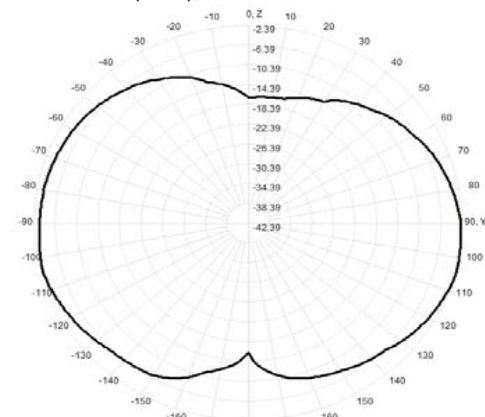
908.0MHz H+V, Eff: 24.1%



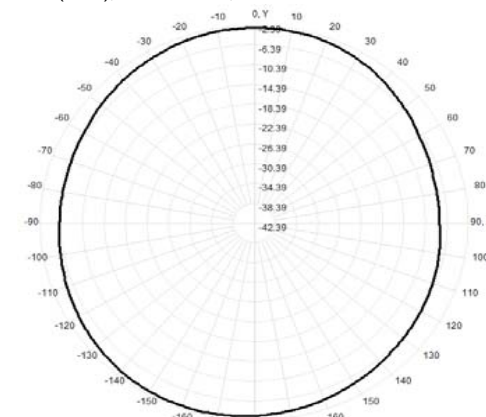
908.0MHz Total(E1-XZ), Max= -4.41dBi



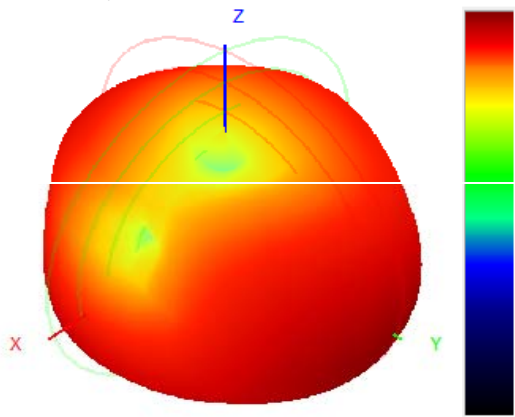
908.0MHz Total(E2-YZ), Max= -2.39dBi



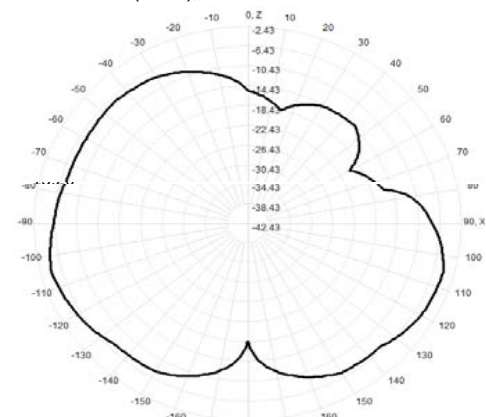
Total(H-XY), Max= -2.85dBi, CirD=5.06



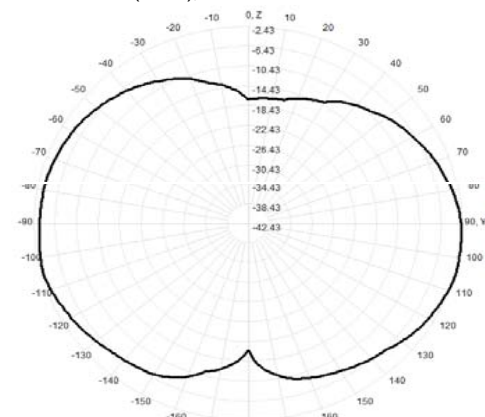
909.0MHz H+V, Eff: 23.9%



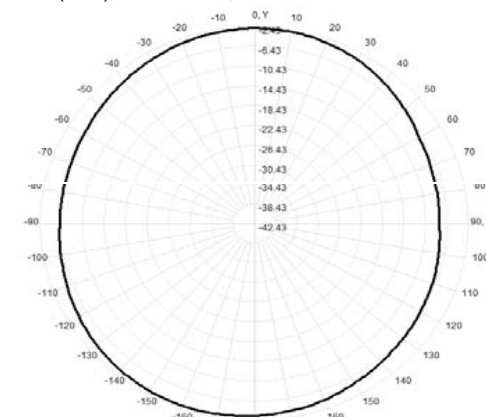
909.0MHz Total(E1-XZ), Max= -4.45dBi



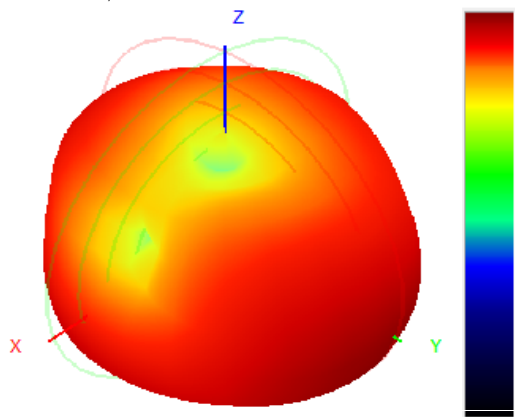
909.0MHz Total(E2-YZ), Max= -2.43dBi



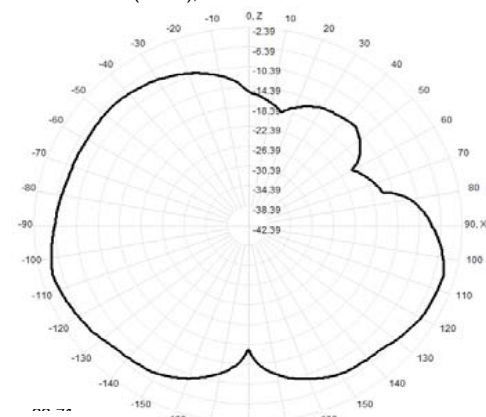
Total(H-XY), Max= -2.80dBi, CirD=5.25



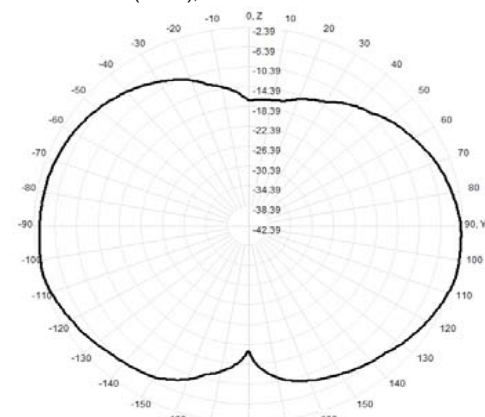
910.0MHz H+V, Eff: 23.5%



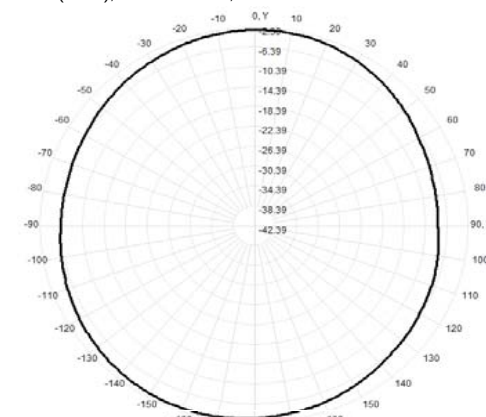
910.0MHz Total(E1-XZ), Max= -4.60dBi



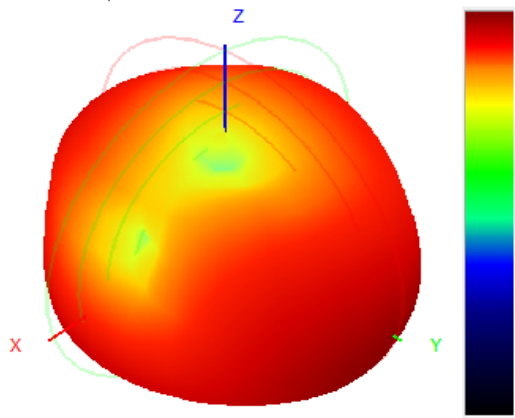
910.0MHz Total(E2-YZ), Max= -2.39dBi



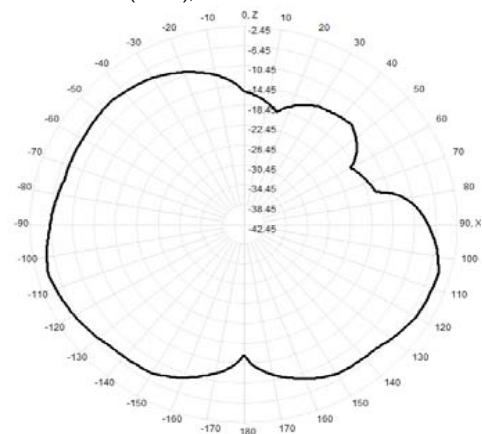
Total(H-XY), Max= -2.85dBi, CirD=5.39



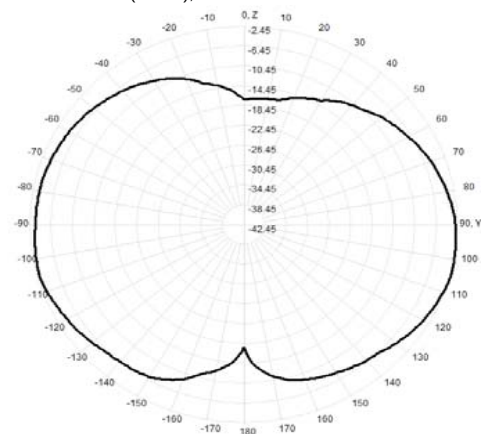
911.0MHz H+V, Eff: 23.3%



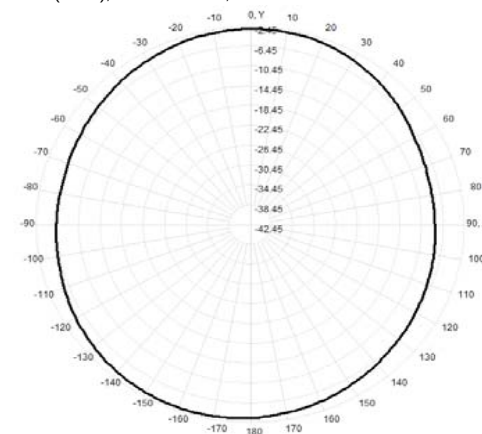
911.0MHz Total(E1-XZ), Max= -4.62dBi



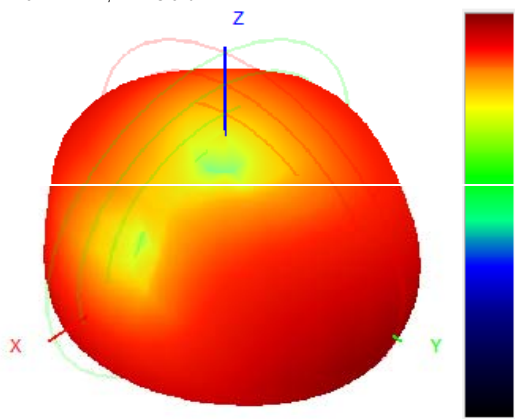
911.0MHz Total(E2-YZ), Max= -2.45dBi



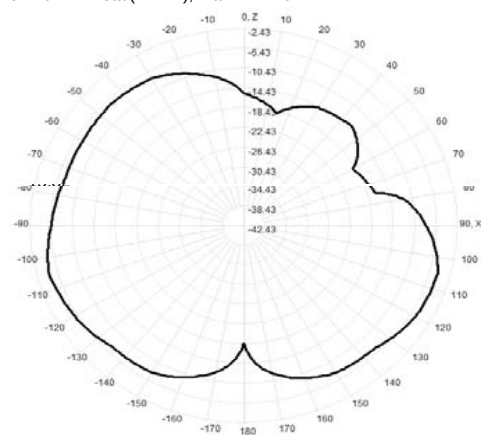
Total(H-XY), Max= -2.93dBi, CirD=5.19



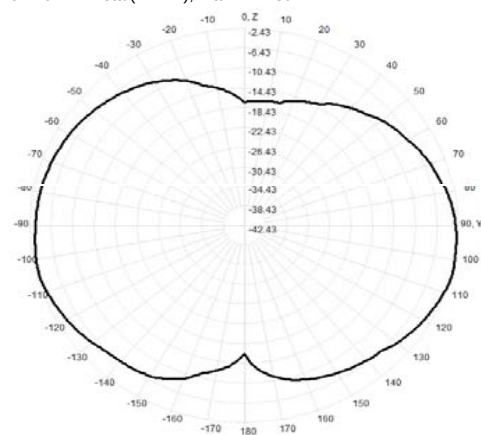
912.0MHz H+V, Eff: 23.0%



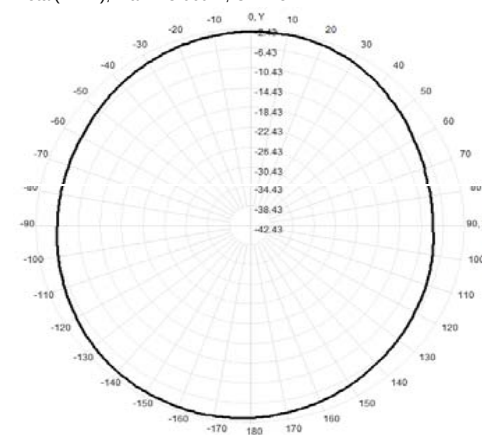
912.0MHz Total(E1-XZ), Max= -4.74dBi



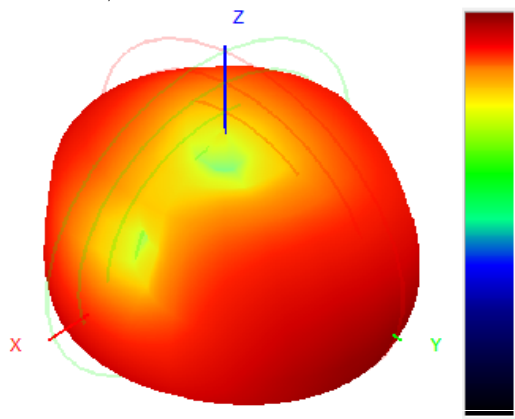
912.0MHz Total(E2-YZ), Max= -2.43dBi



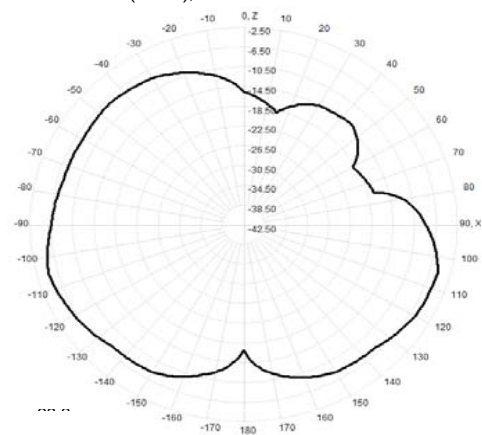
Total(H-XY), Max= -3.06dBi, CirD=5.44



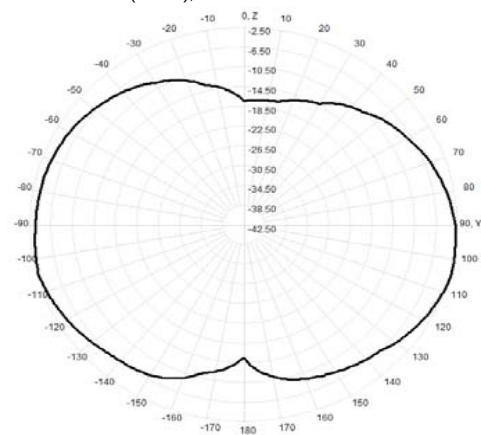
913.0MHz H+V, Eff: 22.6%



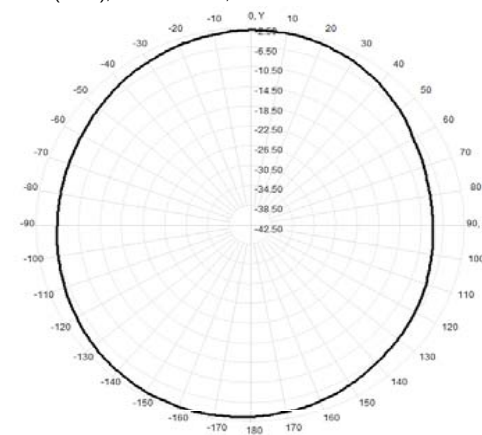
913.0MHz Total(E1-XZ), Max= -4.75dBi



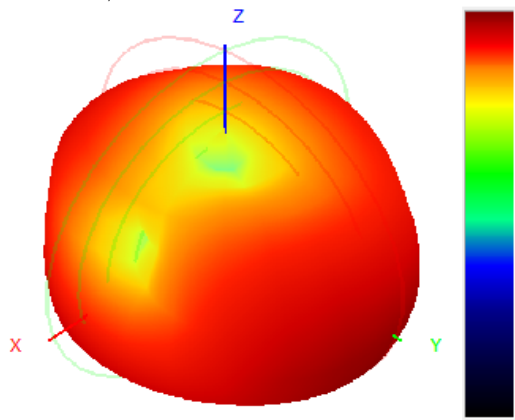
913.0MHz Total(E2-YZ), Max= -2.50dBi



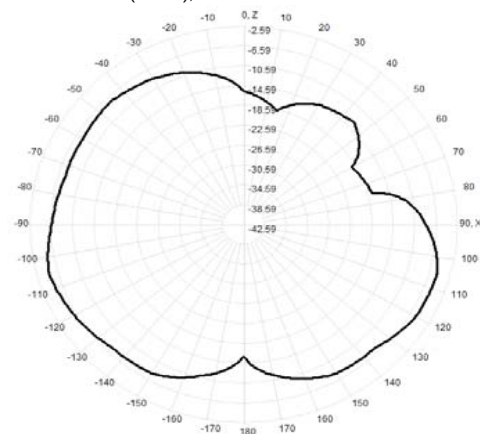
Total(H-XY), Max= -3.05dBi, CirD=5.53



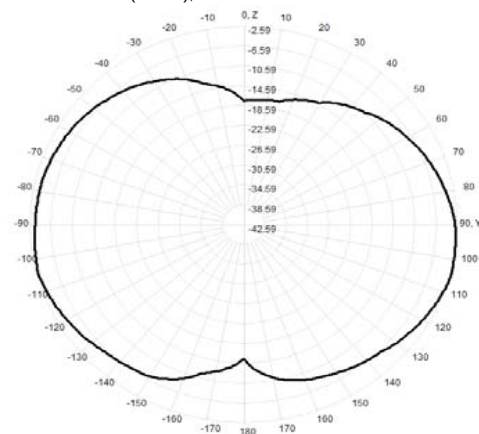
914.0MHz H+V, Eff: 22.2%



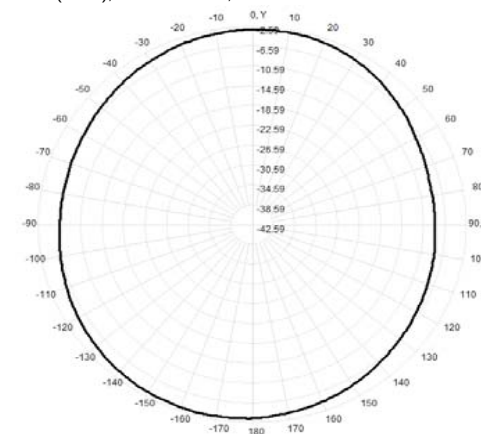
914.0MHz Total(E1-XZ), Max= -4.89dBi



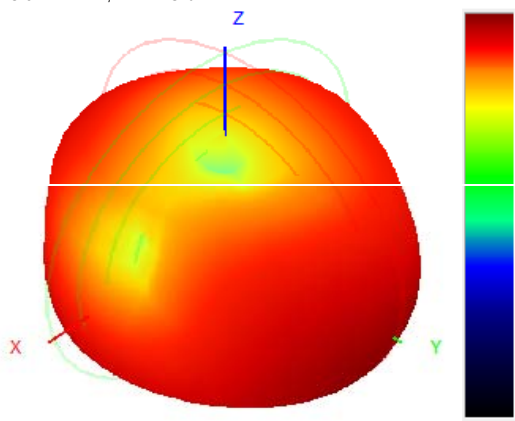
914.0MHz Total(E2-YZ), Max= -2.59dBi



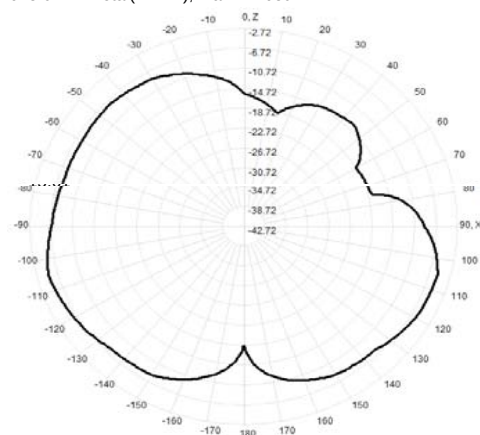
Total(H-XY), Max= -3.20dBi, CirD=5.45



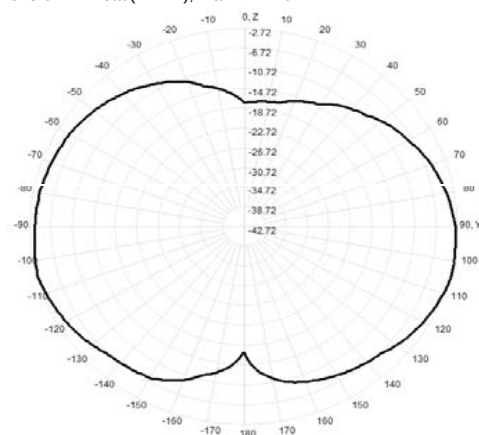
915.0MHz H+V, Eff: 21.8%



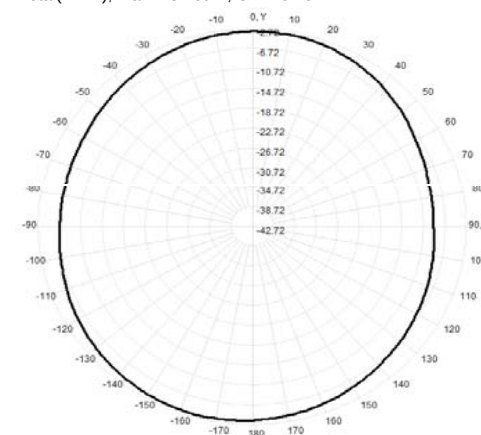
915.0MHz Total(E1-XZ), Max= -4.95dBi



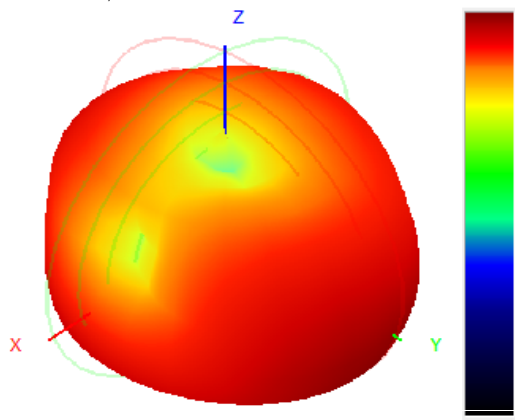
915.0MHz Total(E2-YZ), Max= -2.72dBi



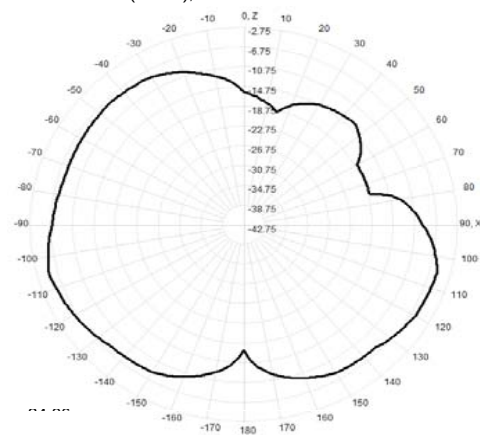
Total(H-XY), Max= -3.26dBi, CirD=5.75



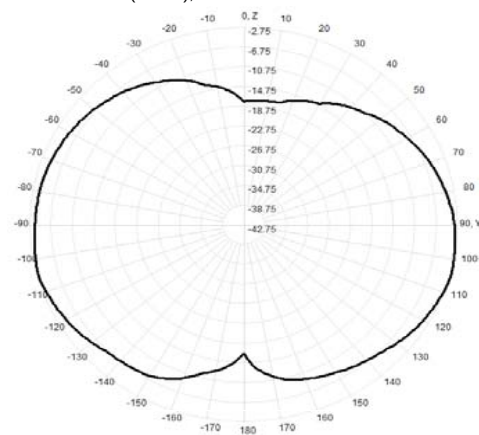
916.0MHz H+V, Eff: 21.4%



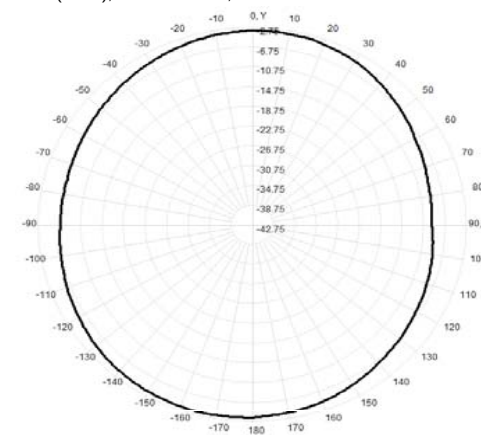
916.0MHz Total(E1-XZ), Max= -5.08dBi



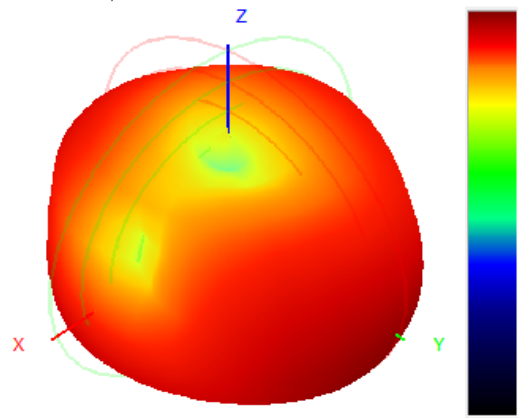
916.0MHz Total(E2-YZ), Max= -2.75dBi



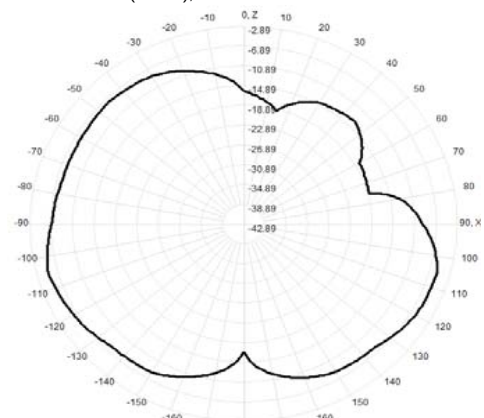
Total(H-XY), Max= -3.41dBi, CirD=5.96



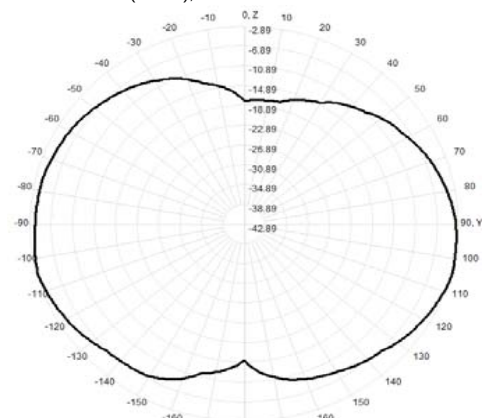
917.0MHz H+V, Eff: 20.9%



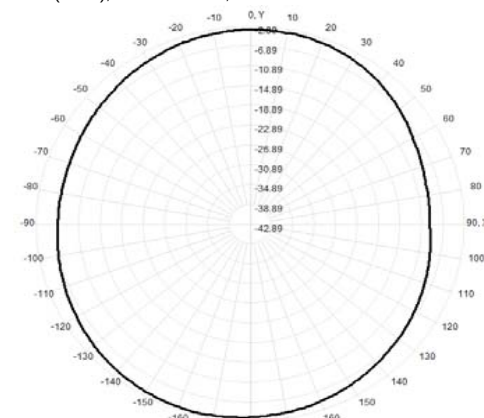
917.0MHz Total(E1-XZ), Max= -5.08dBi



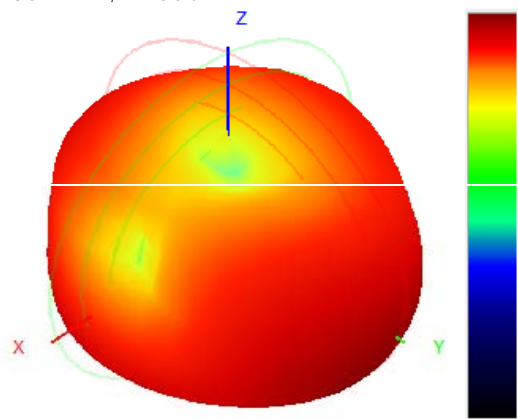
917.0MHz Total(E2-YZ), Max= -2.89dBi



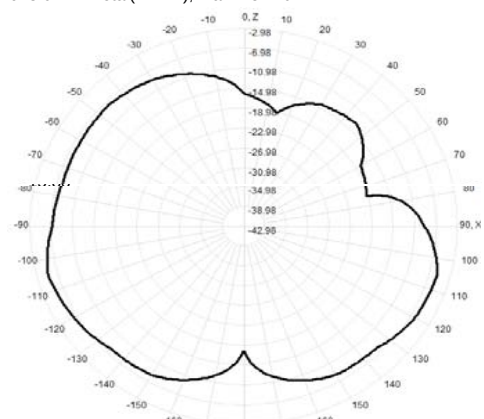
Total(H-XY), Max= -3.51dBi, CirD=6.02



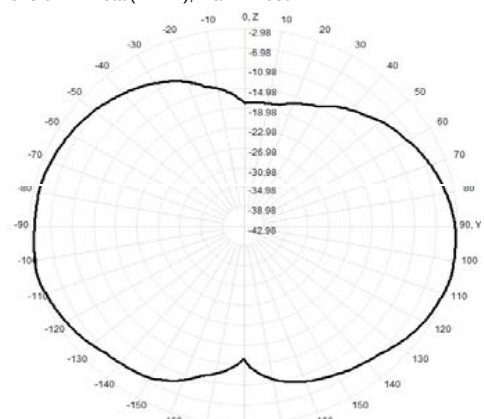
918.0MHz H+V, Eff: 20.6%



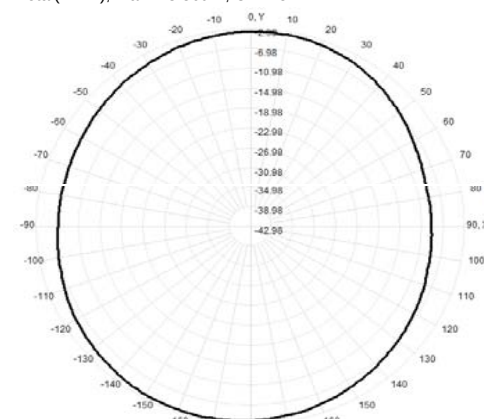
918.0MHz Total(E1-XZ), Max= -5.14dBi



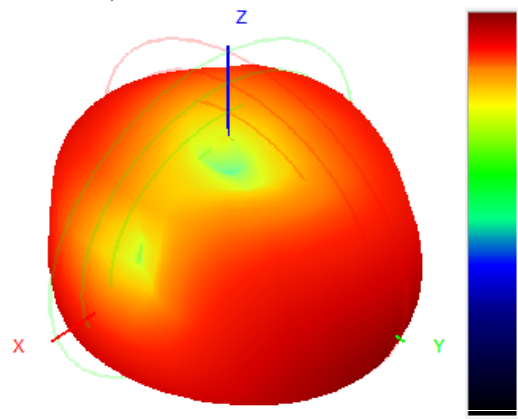
918.0MHz Total(E2-YZ), Max= -2.98dBi



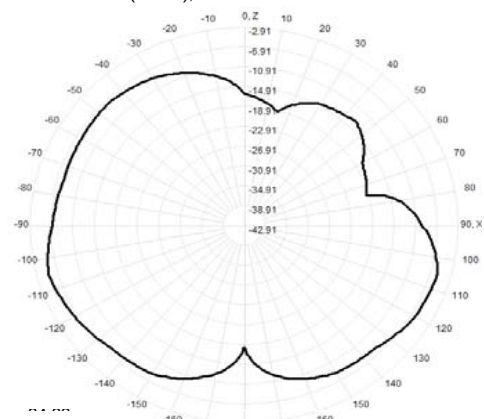
Total(H-XY), Max= -3.56dBi, CirD=5.74



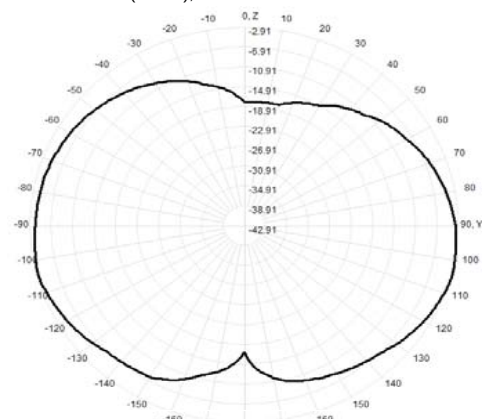
919.0MHz H+V, Eff: 20.3%



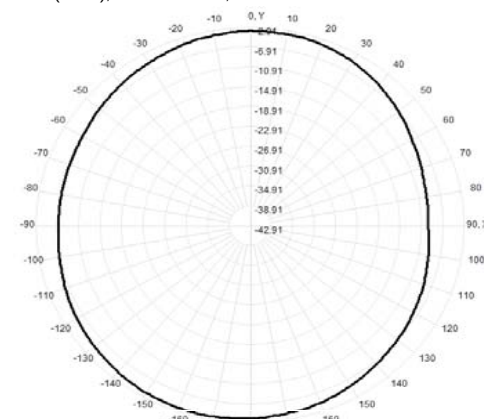
919.0MHz Total(E1-XZ), Max= -5.16dBi



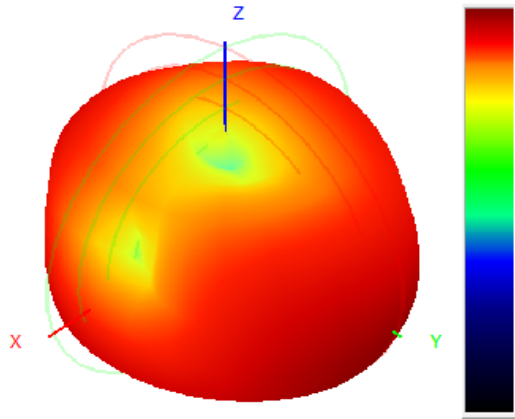
919.0MHz Total(E2-YZ), Max= -2.91dBi



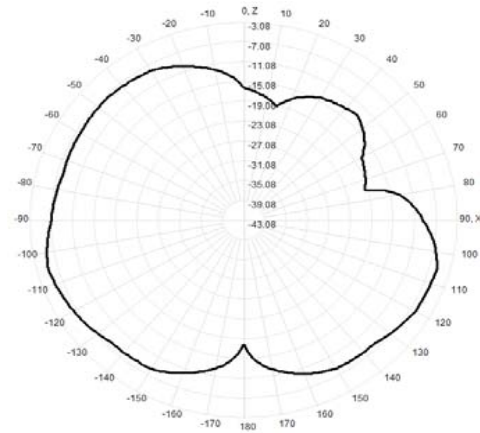
Total(H-XY), Max= -3.63dBi, CirD=6.22



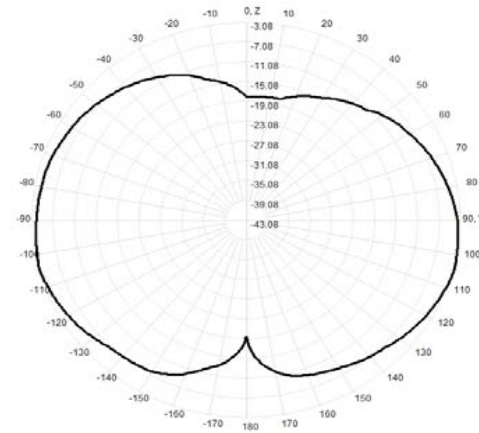
920.0MHz H+V, Eff: 20.1%



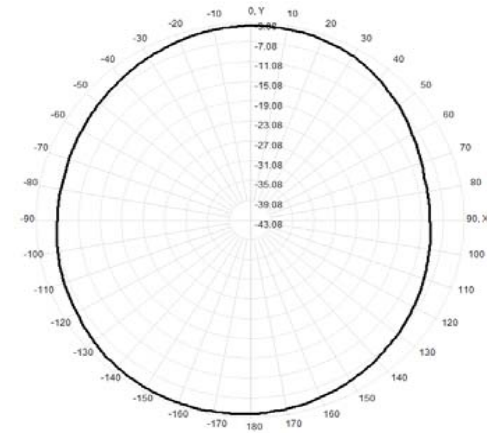
920.0MHz Total(E1-XZ), Max= -5.23dBi



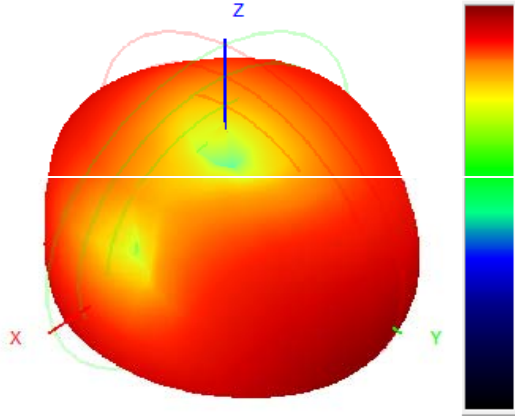
920.0MHz Total(E2-YZ), Max= -3.08dBi



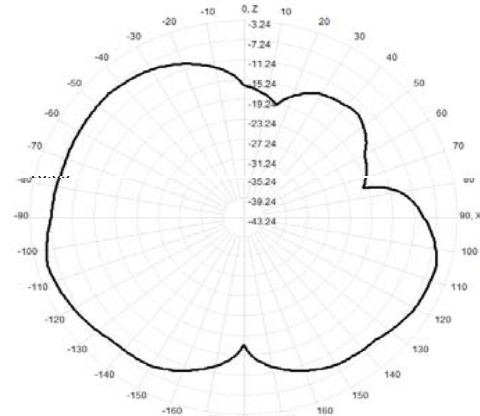
Total(H-XY), Max= -3.74dBi, CirD=5.91



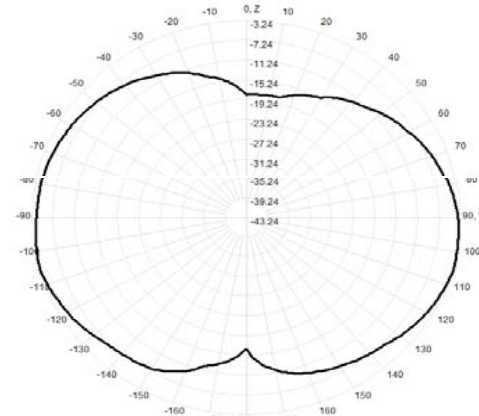
921.0MHz H+V, Eff: 19.8%



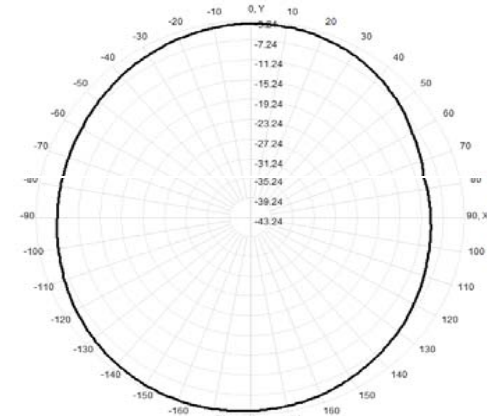
921.0MHz Total(E1-XZ), Max= -5.30dBi



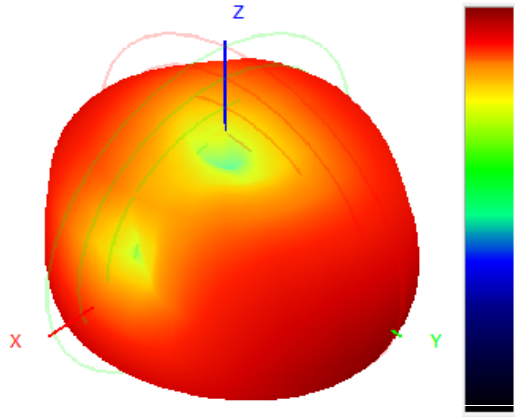
921.0MHz Total(E2-YZ), Max= -3.24dBi



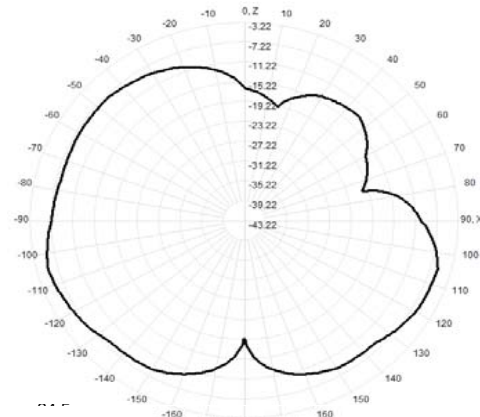
Total(H-XY), Max= -3.81dBi, CirD=6.07



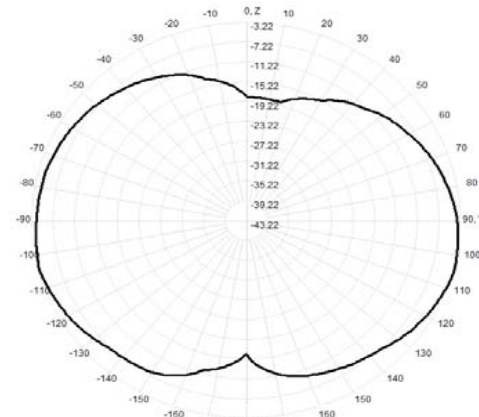
922.0MHz H+V, Eff: 19.4%



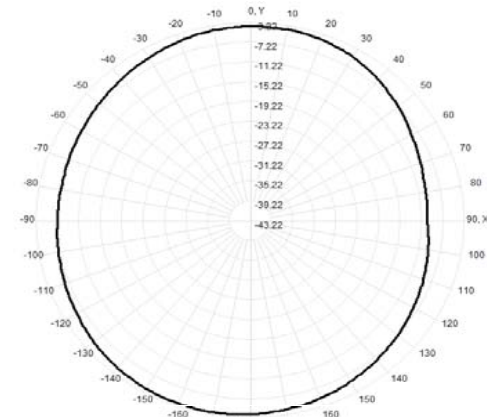
922.0MHz Total(E1-XZ), Max= -5.36dBi



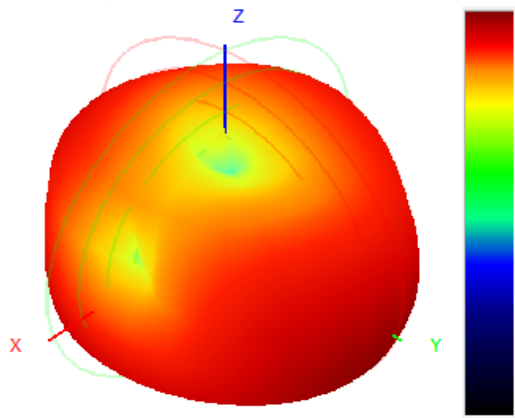
922.0MHz Total(E2-YZ), Max= -3.22dBi



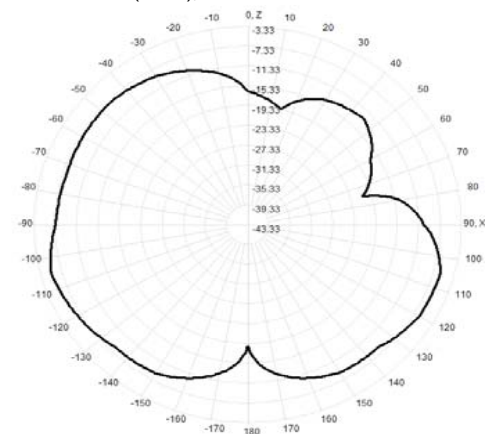
Total(H-XY), Max= -3.92dBi, CirD=6.42



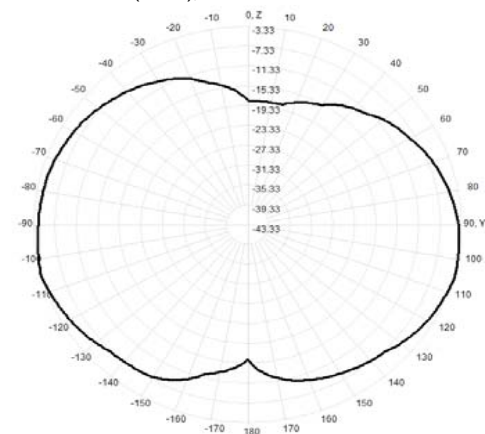
923.0MHz H+V, Eff: 19.1%



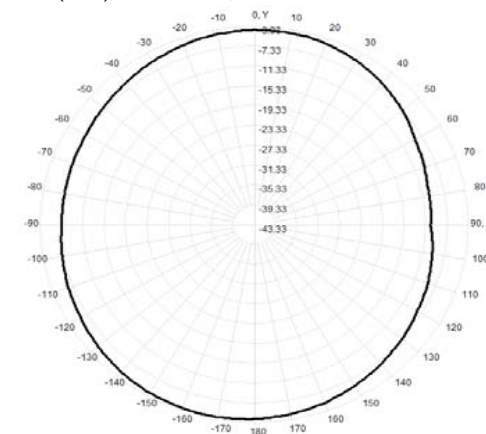
923.0MHz Total(E1-XZ), Max= -5.34dBi



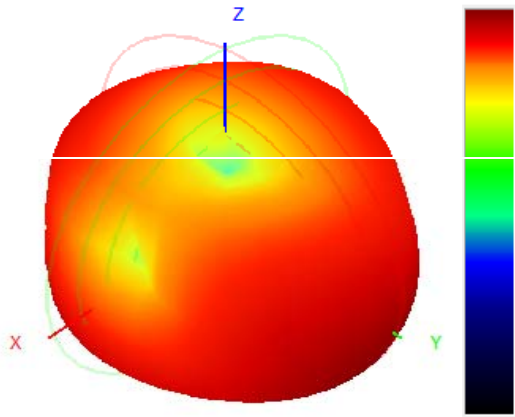
923.0MHz Total(E2-YZ), Max= -3.33dBi



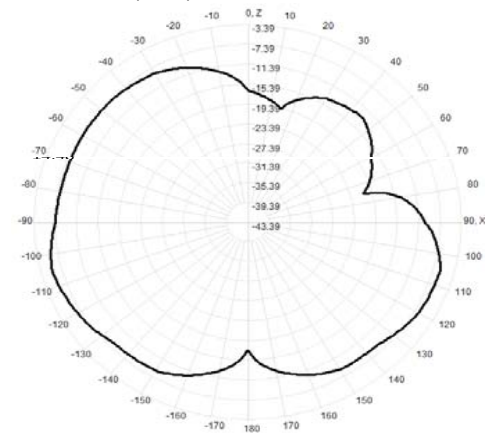
Total(H-XY), Max= -3.94dBi, CirD=6.57



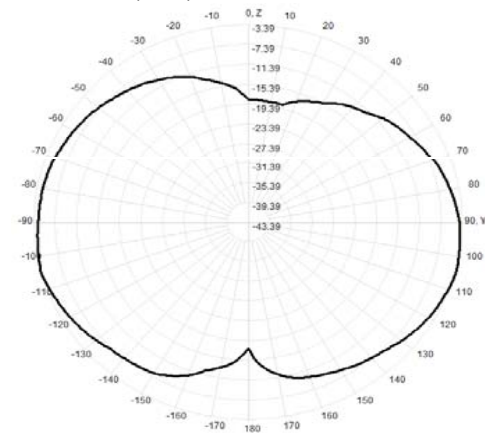
924.0MHz H+V, Eff: 18.7%



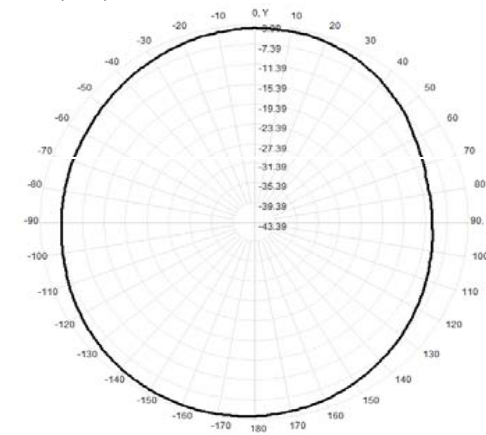
924.0MHz Total(E1-XZ), Max= -5.52dBi



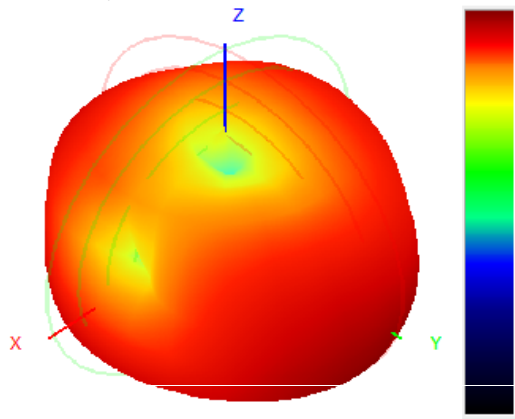
924.0MHz Total(E2-YZ), Max= -3.39dBi



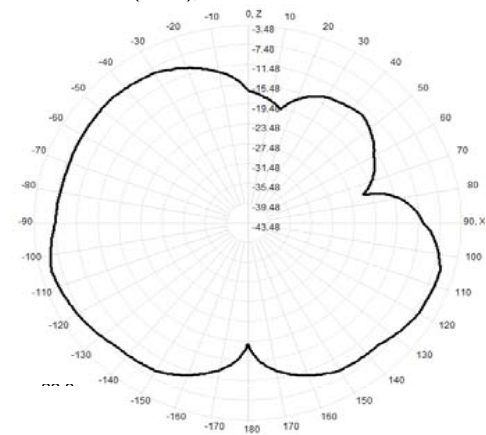
Total(H-XY), Max= -4.00dBi, CirD=6.33



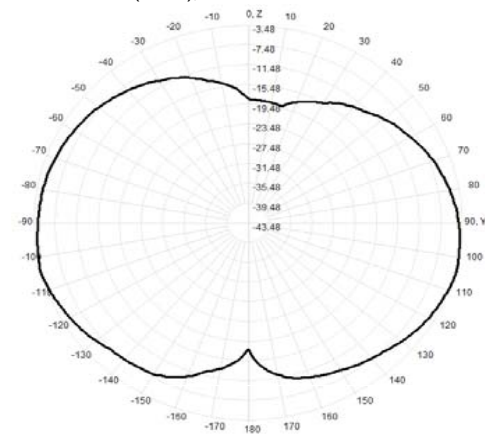
925.0MHz H+V, Eff: 18.4%



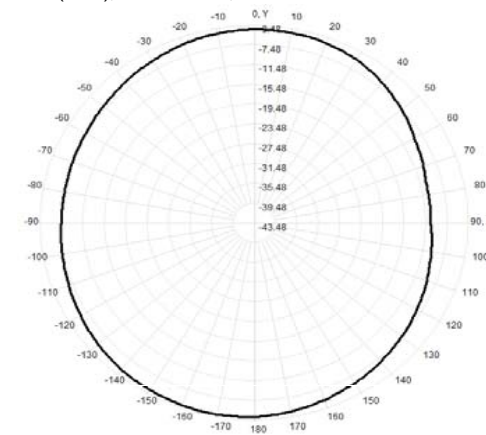
925.0MHz Total(E1-XZ), Max= -5.57dBi



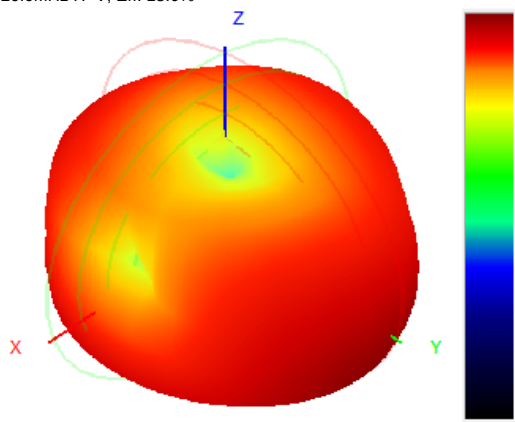
925.0MHz Total(E2-YZ), Max= -3.48dBi



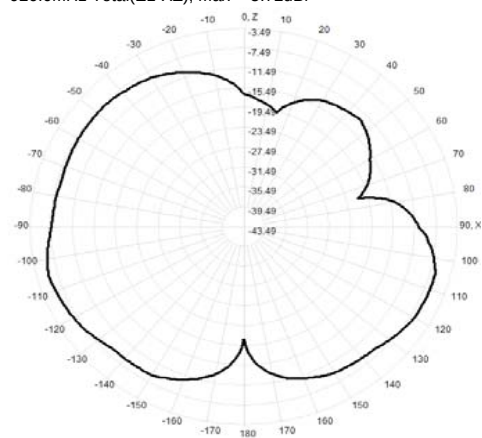
Total(H-XY), Max= -4.12dBi, CirD=6.55



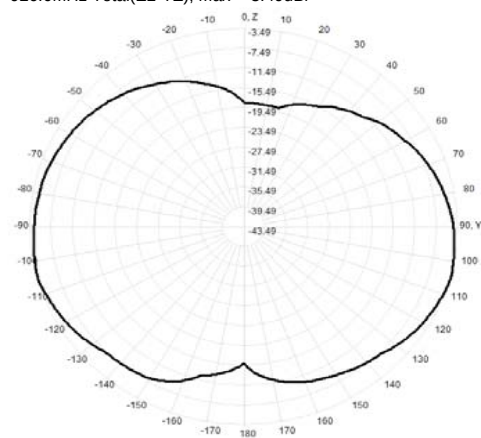
926.0MHz H+V, Eff: 18.0%



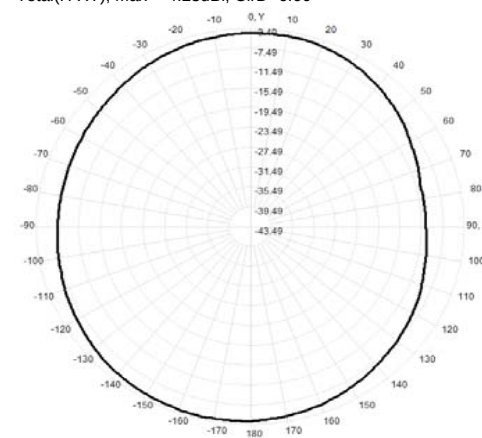
926.0MHz Total(E1-XZ), Max= -5.72dBi



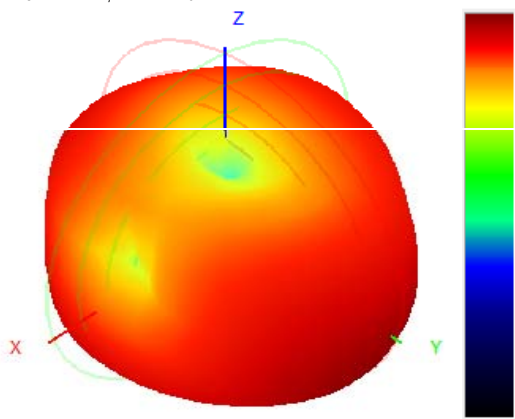
926.0MHz Total(E2-YZ), Max= -3.49dBi



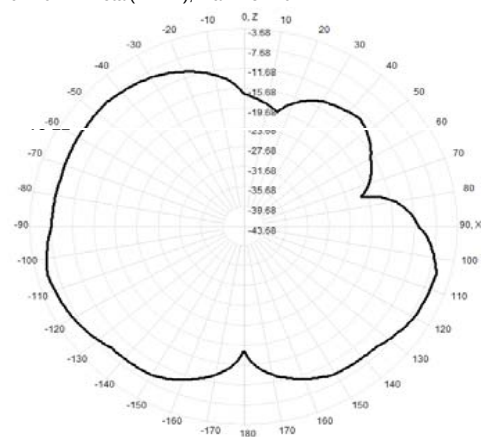
Total(H-XY), Max= -4.23dBi, CirD=6.60



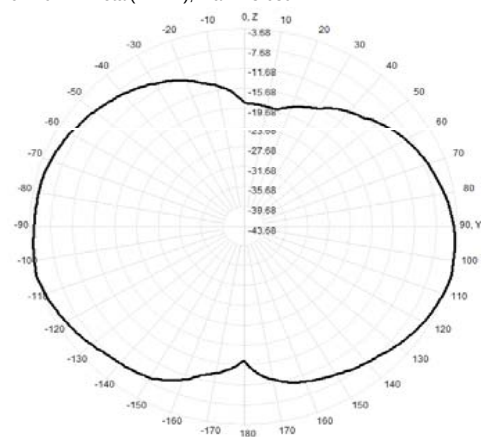
927.0MHz H+V, Eff: 17.7%



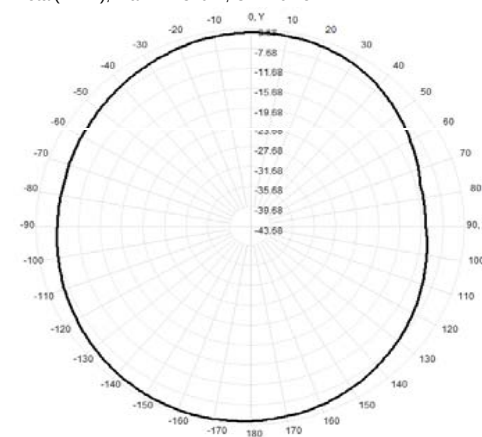
927.0MHz Total(E1-XZ), Max= -5.72dBi



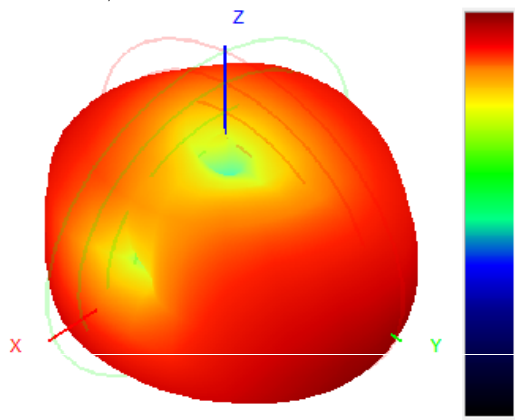
927.0MHz Total(E2-YZ), Max= -3.68dBi



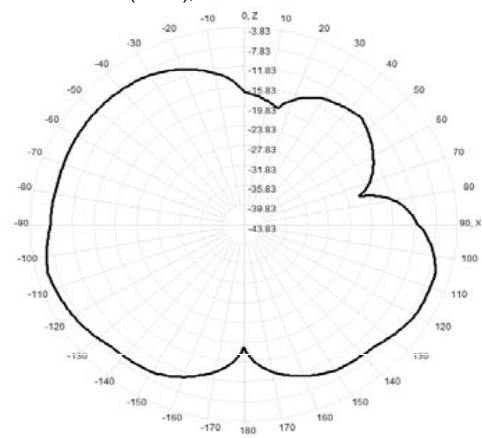
Total(H-XY), Max= -4.31dBi, CirD=6.75



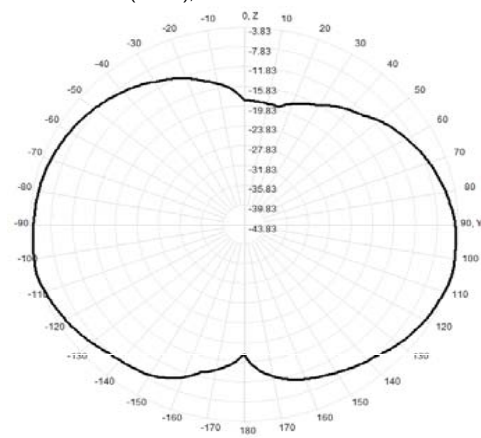
928.0MHz H+V, Eff: 17.3%



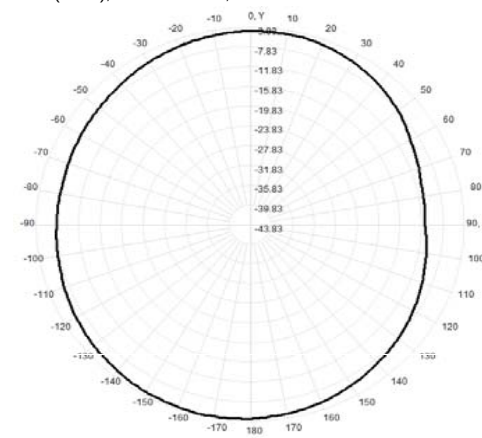
928.0MHz Total(E1-XZ), Max= -5.95dBi

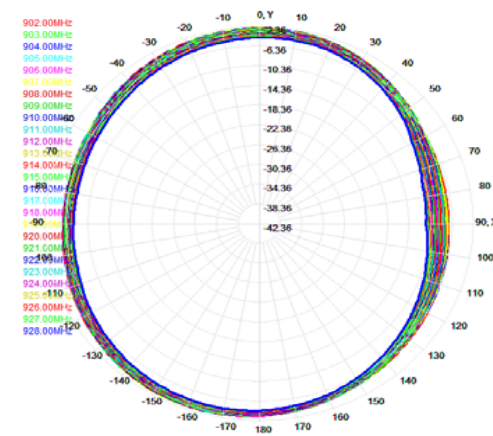
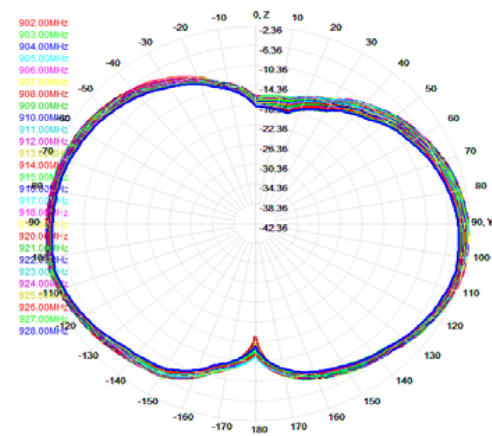
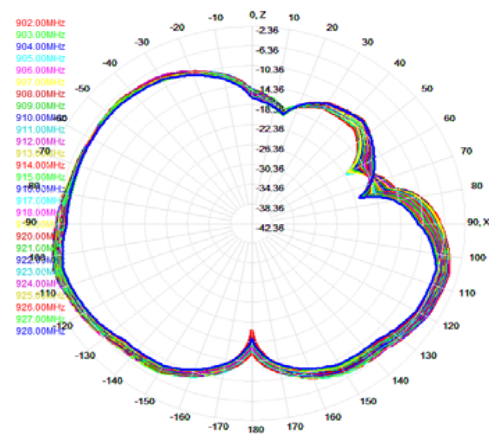


928.0MHz Total(E2-YZ), Max= -3.83dBi



Total(H-XY), Max= -4.40dBi, CirD=6.95





LoRaAntenna

