

## ANT Specification

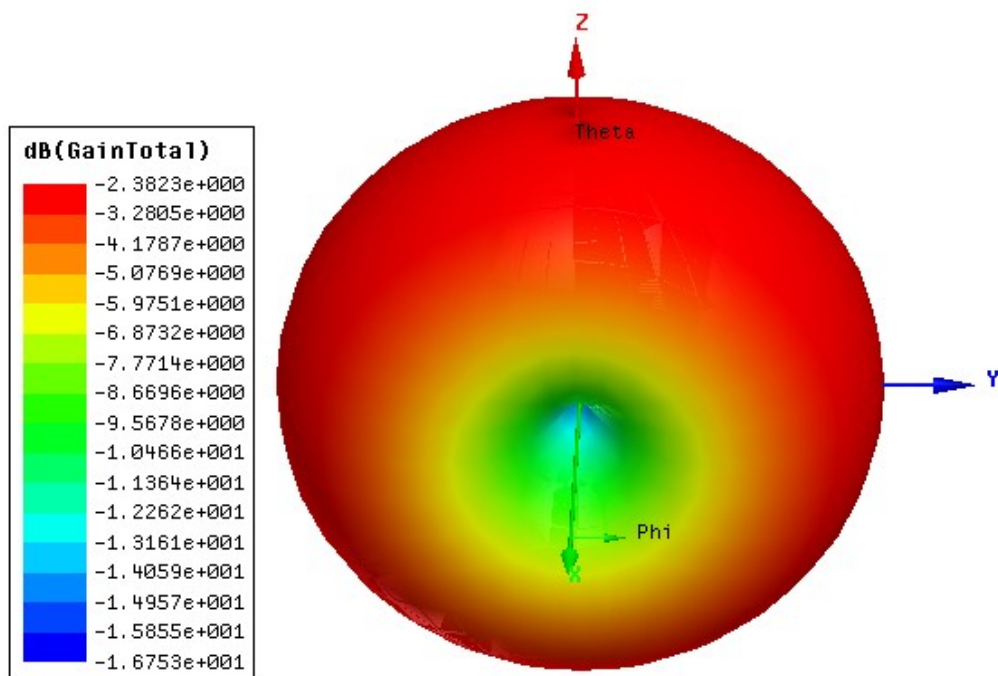
|                                      |                            |
|--------------------------------------|----------------------------|
| <b>Part Name</b>                     | <b>MR20</b>                |
| <b>ANT TYP</b>                       | <b>Linear polarization</b> |
| <b>ANT material</b>                  | <b>FR4 PCB</b>             |
| <b>Operating frequency band</b>      | <b>UHF FCC</b>             |
| <b>Operating frequency<br/>(MHz)</b> | <b>902Mhz-928Mhz</b>       |
| <b>Sheathing material</b>            | <b>PC+ABS</b>              |

## 1.1 Gain&amp;Efficiency

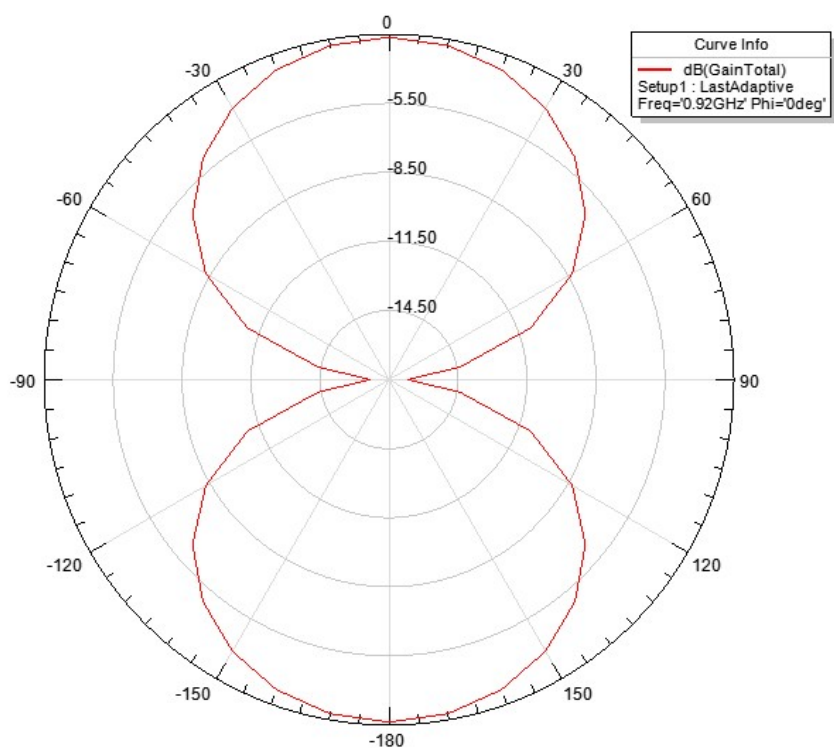
| Gain&Efficiency<br>FCC |                 |                  |                      |                 |                  |
|------------------------|-----------------|------------------|----------------------|-----------------|------------------|
| frequency<br>频率(MHz)   | gain<br>增益(dBi) | efficiency<br>效率 | frequency<br>频率(MHz) | gain<br>增益(dBi) | efficiency<br>效率 |
| 902.75                 | -2.91           | 6.4%             | 915.25               | -2.44           | 22.4%            |
| 903.25                 | -2.88           | 7.3%             | 915.75               | -2.43           | 22.7%            |
| 903.75                 | -2.87           | 8.5%             | 916.25               | -2.42           | 23.1%            |
| 904.25                 | -2.85           | 9.8%             | 916.75               | -2.41           | 23.5%            |
| 904.75                 | -2.85           | 10.3%            | 917.75               | -2.41           | 23.8%            |
| 905.25                 | -2.84           | 11.1%            | 918.25               | -2.40           | 24.3%            |
| 905.75                 | -2.82           | 12.3%            | 918.75               | -2.40           | 24.9%            |
| 906.25                 | -2.8            | 13.3%            | 919.25               | -2.39           | 25.4%            |
| 906.75                 | -2.78           | 13.7%            | 919.75               | -2.39           | 25.5%            |
| 907.25                 | -2.75           | 14.6%            | 920.25               | -2.38           | 26.2%            |
| 907.75                 | -2.72           | 14.3%            | 920.75               | -2.38           | 26.5%            |
| 908.25                 | -2.68           | 15.8%            | 921.25               | -2.38           | 26.9%            |
| 908.75                 | -2.67           | 15.8%            | 921.75               | -2.38           | 26.8%            |
| 909.25                 | -2.65           | 16.1%            | 922.25               | -2.38           | 26.8%            |
| 909.75                 | -2.63           | 16.7%            | 922.75               | -2.38           | 26.4%            |
| 910.25                 | -2.59           | 17.3%            | 923.25               | -2.38           | 26.2%            |
| 910.75                 | -2.57           | 17.7%            | 923.75               | -2.38           | 25.6%            |
| 911.25                 | -2.53           | 18.2%            | 924.25               | -2.38           | 25.5%            |
| 911.75                 | -2.48           | 18.8%            | 924.75               | -2.38           | 24.2%            |
| 912.25                 | -2.47           | 19.4%            | 925.25               | -2.38           | 23.8%            |
| 912.75                 | -2.46           | 19.9%            | 925.75               | -2.38           | 23.5%            |
| 913.25                 | -2.46           | 20.2%            | 926.25               | -2.38           | 22.8%            |
| 913.75                 | -2.45           | 20.5%            | 926.75               | -2.38           | 22.2%            |
| 914.25                 | -2.45           | 21.1%            | 927.25               | -2.40           | 21.6%            |

|           |       |       |  |  |  |
|-----------|-------|-------|--|--|--|
| 914.75MHz | -2.45 | 21.5% |  |  |  |
|-----------|-------|-------|--|--|--|

## 1.2 Radiation

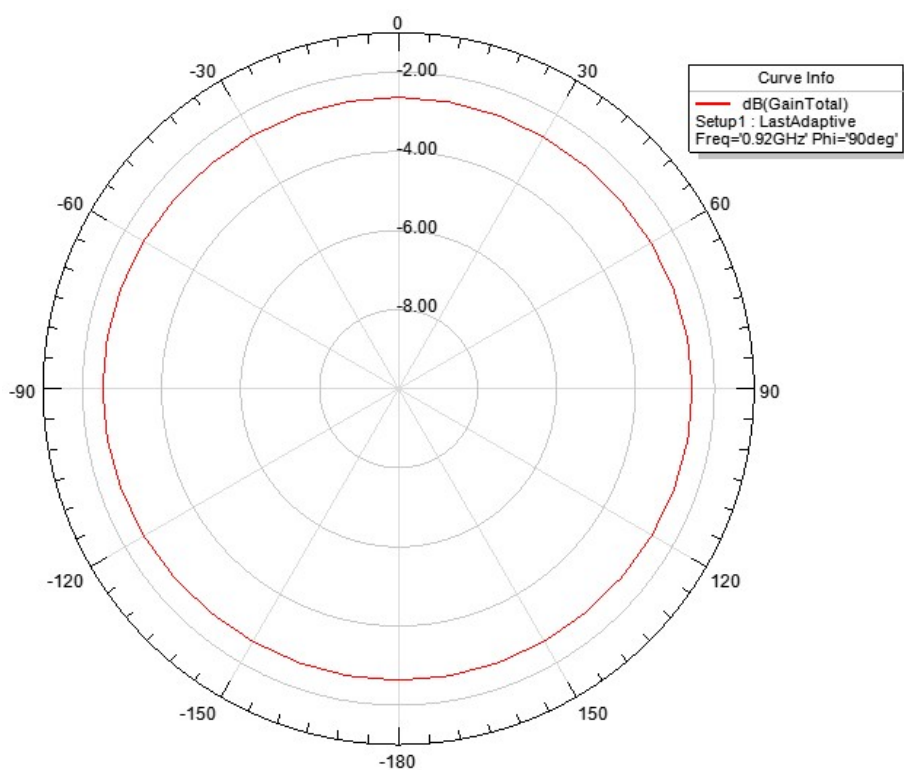


### 1.2.1



Fre=920Mhz 2D pattern

### 1.2.2



Fre=920Mhz 2D pattern