

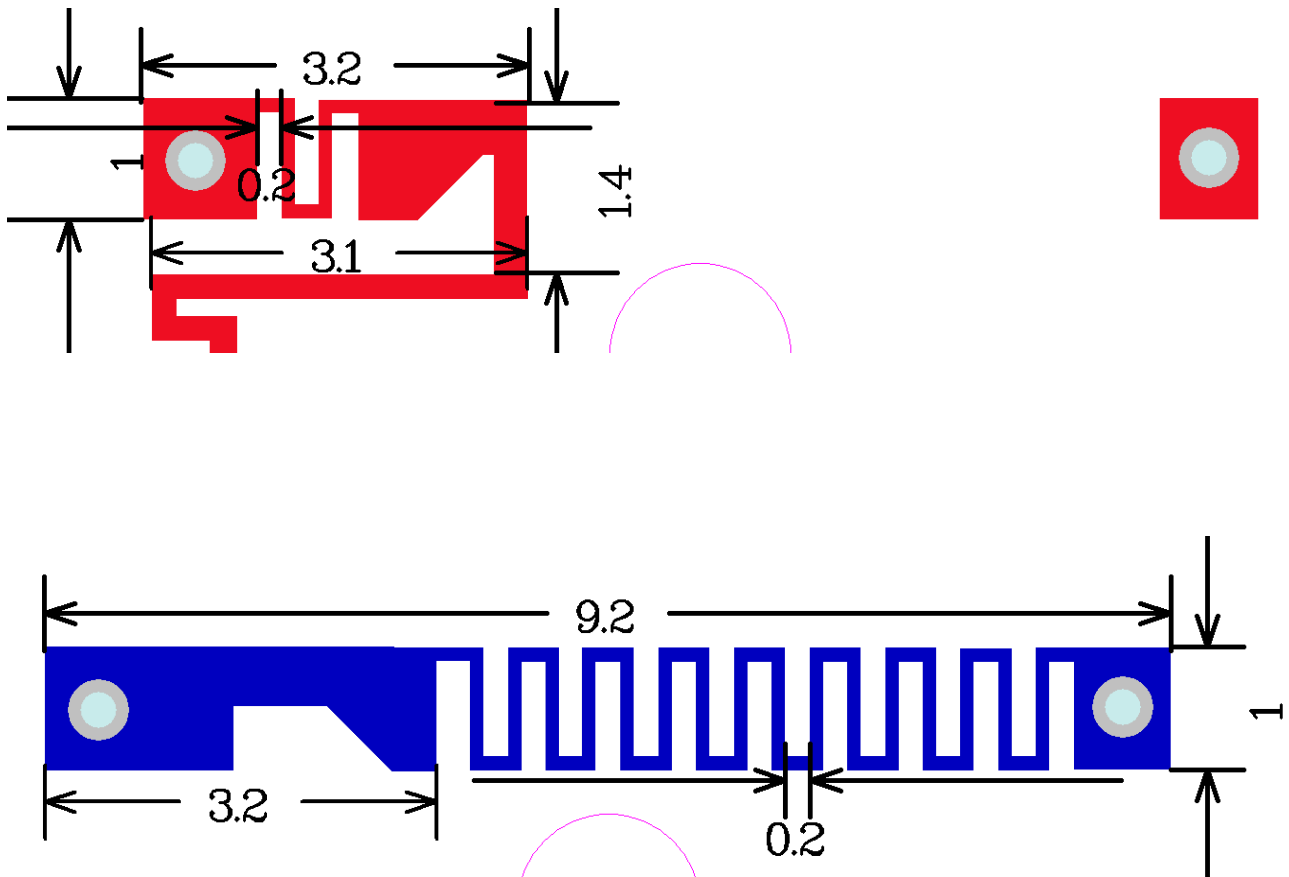
Antenna Specification

Specifications

Summary

| ITEM | SPEC. |
|----------------------|---------------------------------------------------------------|
| Model Name | IBM 2.4 GHz |
| Center Frequency | 2402MHz -2.52 dBi 2441 MHz -2.36 dBi 2480 MHz -2.85 dBi |
| MAX. GAIN | -2.36 dBi |
| Polarization | Horizontal |
| Azimuth Beam Pattern | Omni-directional |
| Impedance | 50 Ω |
| | |

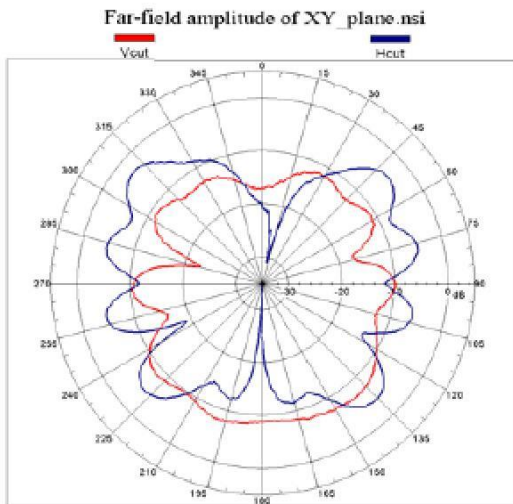
Antenna Photo & Length(mm)



1. Main antenna : 2402 MHz

1.1 Horizontal

◆ XY-plane

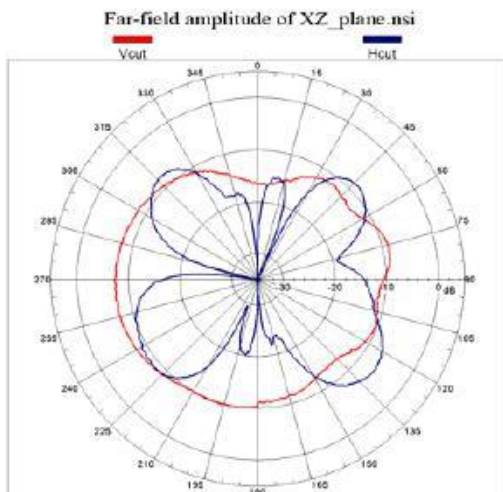


Unit : dBi

| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -3.01 | -8.82 |
| V cut | -7.19 | -11.29 |
| Total | -2.52 | -6.53 |

1.2 Vertical

◆ XZ-plane

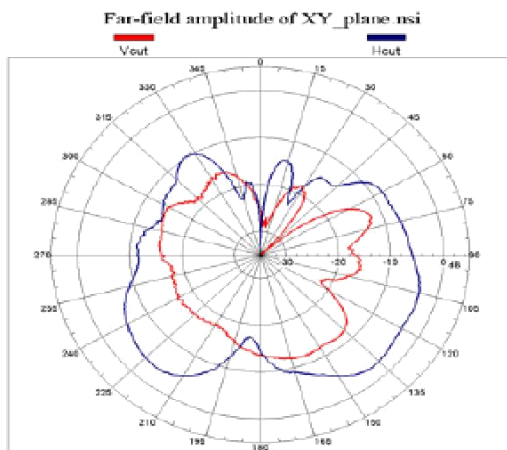


| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -6.44 | -13.24 |
| V cut | -7.34 | -10.57 |
| Total | -5.38 | -8.35 |

2. Main antenna : 2441 MHz

2.1 Horizontal

◆ XY-plane

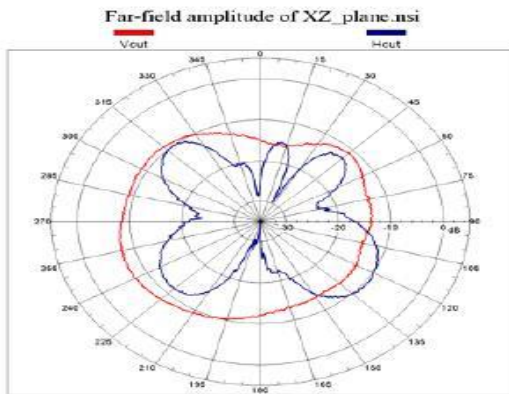


Unit : dBi

| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -2.89 | -8.89 |
| V cut | -11.81 | -16.63 |
| Total | -2.36 | -8.05 |

2.2 Vertical

◆ XZ-plane

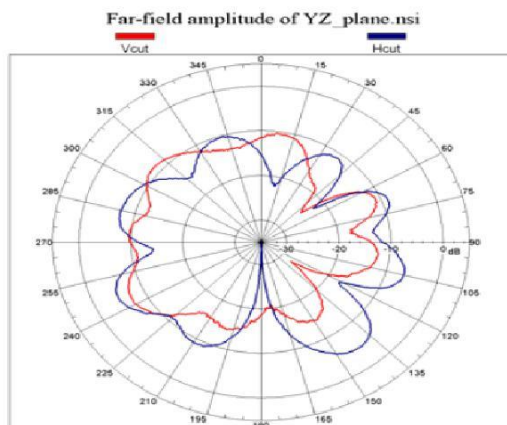


| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -9.56 | -15.85 |
| V cut | -7.29 | -11.21 |
| Total | -6.27 | -9.66 |

3. Main antenna : 2480 MHz

3.1 Horizontal

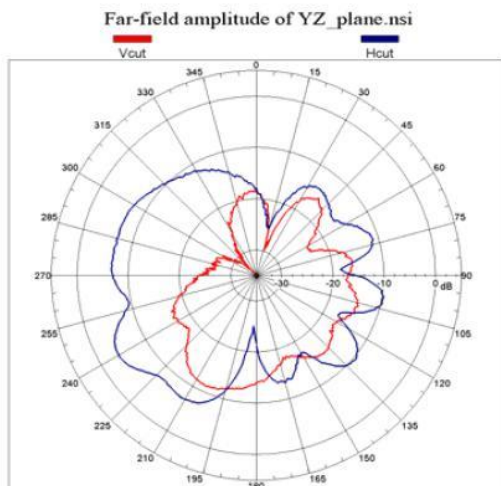
◆ YZ-plane



| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -4.74 | -10.75 |
| V cut | -7.09 | -13.11 |
| Total | -2.85 | -8.49 |

3.2 Vertical

◆YZ-plane



| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -3.99 | -11.25 |
| V cut | -11.31 | -18.08 |
| Total | -3.79 | -10.11 |

4. Result

| Center Frequency | Maximum Ant Gain | |
|------------------|------------------|-----------|
| 2402MHz | H | -2.52 dBi |
| | V | -5.38 dBi |
| 2441 MHz | H | -2.36 dBi |
| | V | -6.27 dBi |
| 2480 MHz | H | -2.85 dBi |
| | V | -3.79 dBi |