

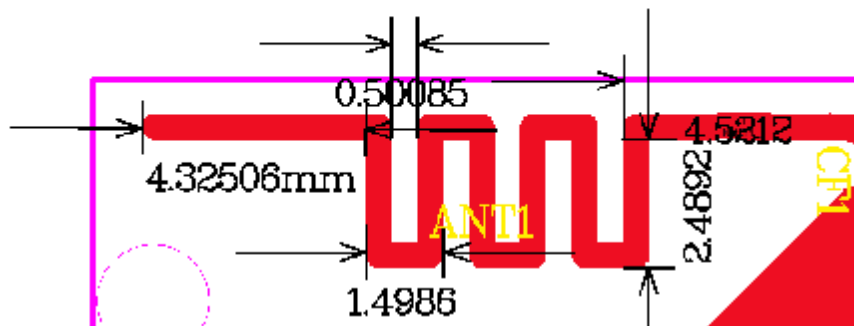
Antenna Specification

Specifications

Summary

| ITEM | SPEC. |
|----------------------|--------------------|
| Model Name | IBM 2.4 GHz |
| Center Frequency | 2402 MHz -2.10 dBi |
| | 2441 MHz -1.78 dBi |
| | 2480 MHz -1.52 dBi |
| MAX. GAIN | -1.52dBi |
| Polarization | Horizontal |
| Azimuth Beam Pattern | Omni-directional |
| Impedance | 50 Ω |
| Antenna Length | 31.5cm |

Antenna Photo & Length

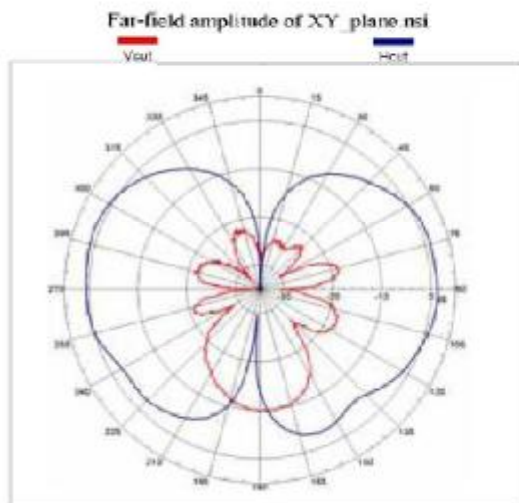


Manufacturer: Voxx Accessories Corp.

1. Main antenna : 2402 MHz

1.1 Horizontal

◆XY-plane

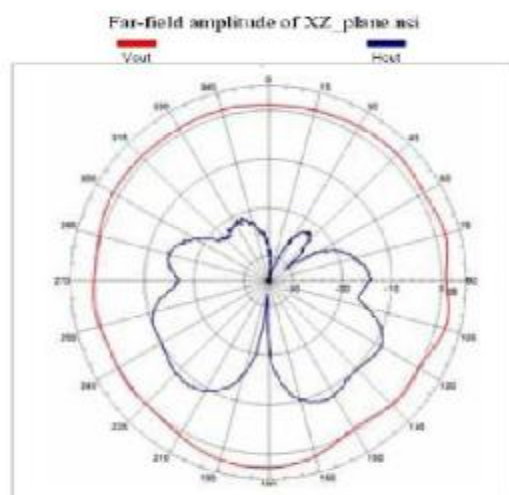


Unit : dBi

| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -2.93 | -7.60 |
| V cut | -6.85 | -8.27 |
| Total | -2.10 | -5.33 |

1.2 Vertical

◆XZ-plane

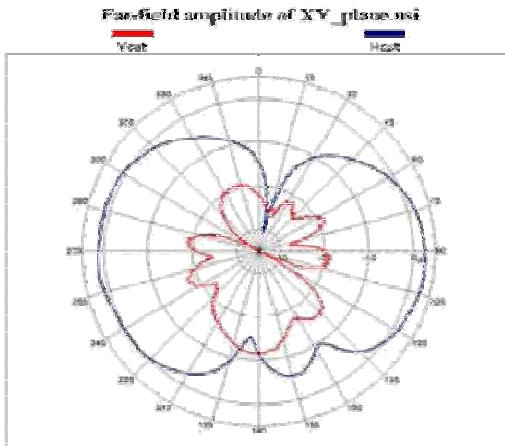


| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -5.83 | -13.44 |
| V cut | -7.04 | -9.47 |
| Total | -5.02 | -7.25 |

2. Main antenna : 2441 MHz

2.1 Horizontal

◆XY-plane

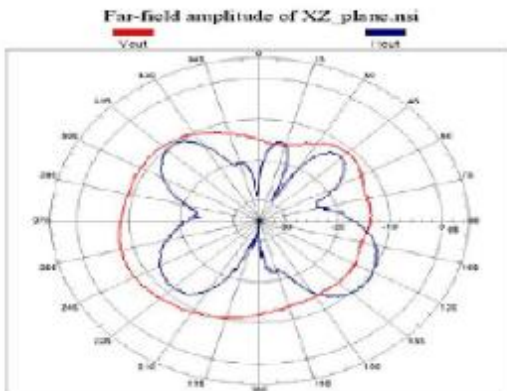


Unit : dBi

| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -2.36 | -7.43 |
| V cut | -11.01 | -13.04 |
| Total | -1.78 | -8.05 |

2.2 Vertical

◆XZ-plane

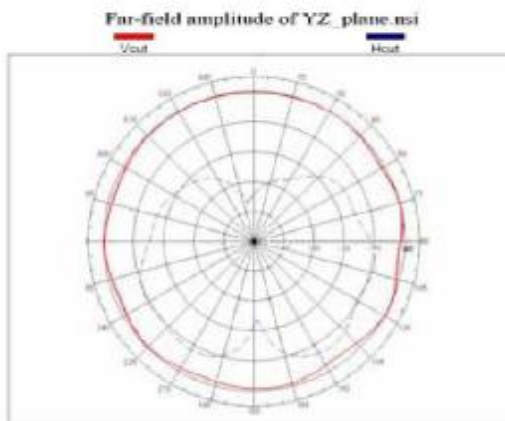


| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -7.85 | -14.39 |
| V cut | -7.02 | -12.30 |
| Total | -5.80 | -8.78 |

3. Main antenna : 2480 MHz

3.1 Horizontal

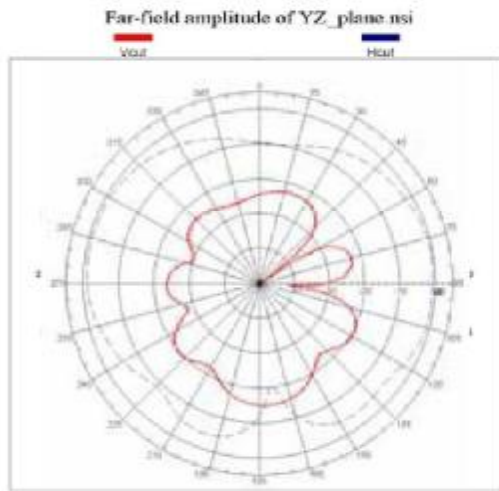
◆YZ-plane



| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -4.74 | -10.75 |
| V cut | -6.47 | -11.05 |
| Total | -1.52 | -7.49 |

3.2 Vertical

◆YZ-plane



| | Peak gain | Avg. gain |
|-------|-----------|-----------|
| H cut | -5.75 | -9.75 |
| V cut | -12.47 | -16.23 |
| Total | -4.52 | -8.72 |

4. Result

| Center Frequency | Maximum Ant Gain | |
|------------------|------------------|-----------|
| 2402MHz | H | -2.10 dBi |
| | V | -5.02 dBi |
| 2441 MHz | H | -1.78 dBi |
| | V | -5.80 dBi |
| 2480 MHz | H | -1.52 dBi |
| | V | -4.52 dBi |