# 4.9 - 5.875 GHz MIMO Omni – Directional Base Station Antenna

## MA-WO55-MIMONHFT9

## Specifications:

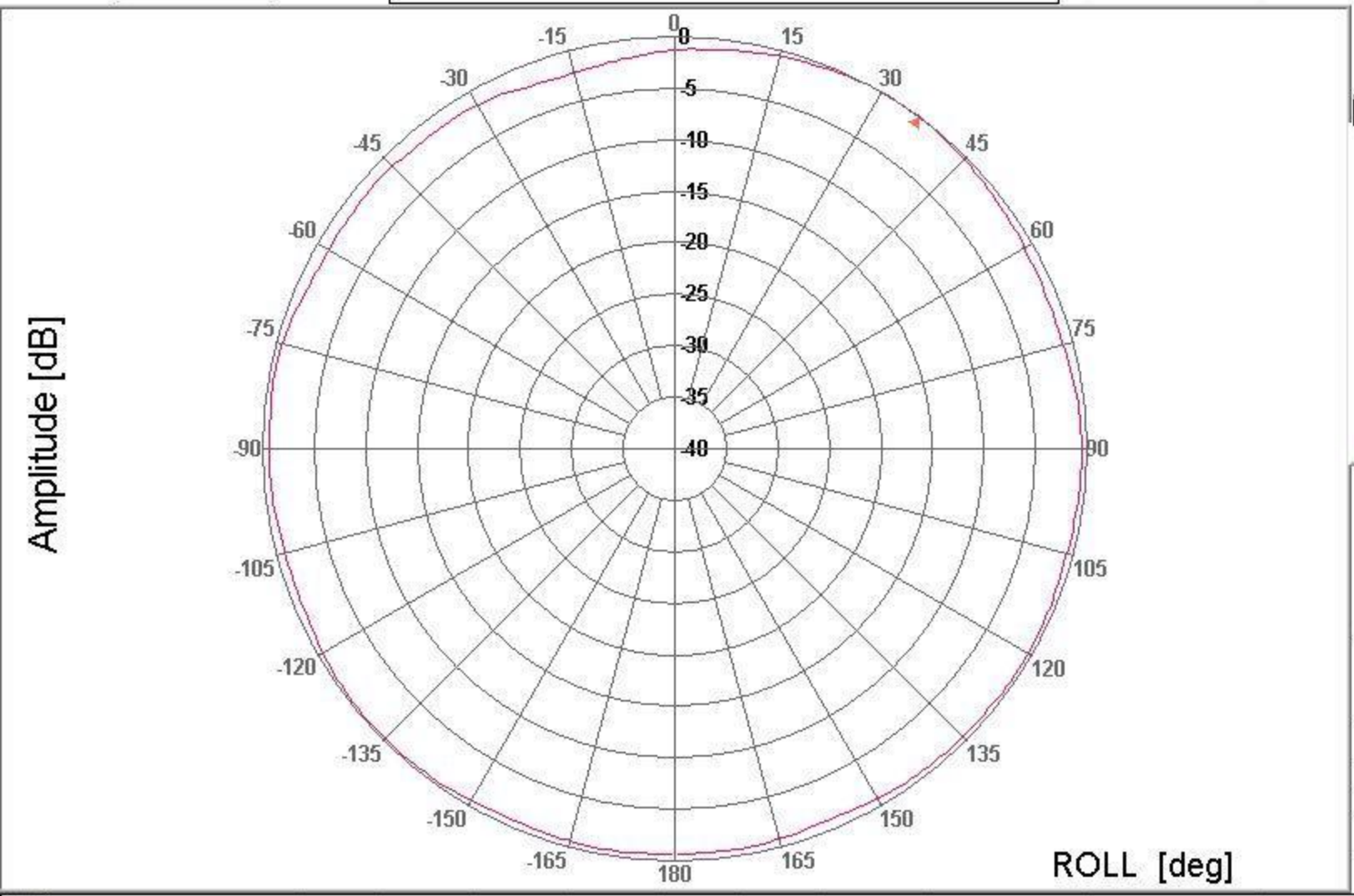
| | |
|---|---|
| ***Electrical*** | |
| Frequency range | 4.9 - 5.875 GHz |
| GAIN, typ. | 3 x 9 dBi |
| VSWR, max. | 2 : 1 |
| Polarization | Linear, Vertical |
| 3 dB Beam-Width, H-Plane, typ. | Omni - Directional |
| 3 dB Beam-Width, E-Plane, typ. | 10° |
| Input power, max | 50 Watt |
| Input Impedance | 50 Ohm |
| ***Mechanical*** | |
| Dimensions (HxDia.) | 330 x 200 mm |
| Weight | 600 gr |
| Connector | 3 x N-Type, Female |
| Radome | UV Protected , Plastic |
| Mount | Provision for Fire Tide MIMO |
| ***Environmental*** | |
| Operating Temperature Range | - 40°C to + 65°C |
| Vibration | According to IEC 60721-3-4 |
| Wind Load | 200 km/h (survival) |
| Flammability | UL94 |
| Water Proofing | IP-65 |
| Humidity | ETS 300 019-1-4, EN 302 085 (annex A.1.1) |
| Salt Fog | According to IEC 68-2-11 |
| Ice and Snow | 25mm radial (survival) |

**Specifications subject to change without notice**

Operator: MARS

# MA-WO55-MIMONHFT9 H-plane

MARS ANTENNAS & RF SYSTEMS
MARS ANTENNAS RANGE




Side lobes | Database | Ax.Ratio

Side Lobes

| No. | Ampl | Deg |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Ampl. Color

Visible Section

☒ Amplitude [dB]
☐ Phase [deg]

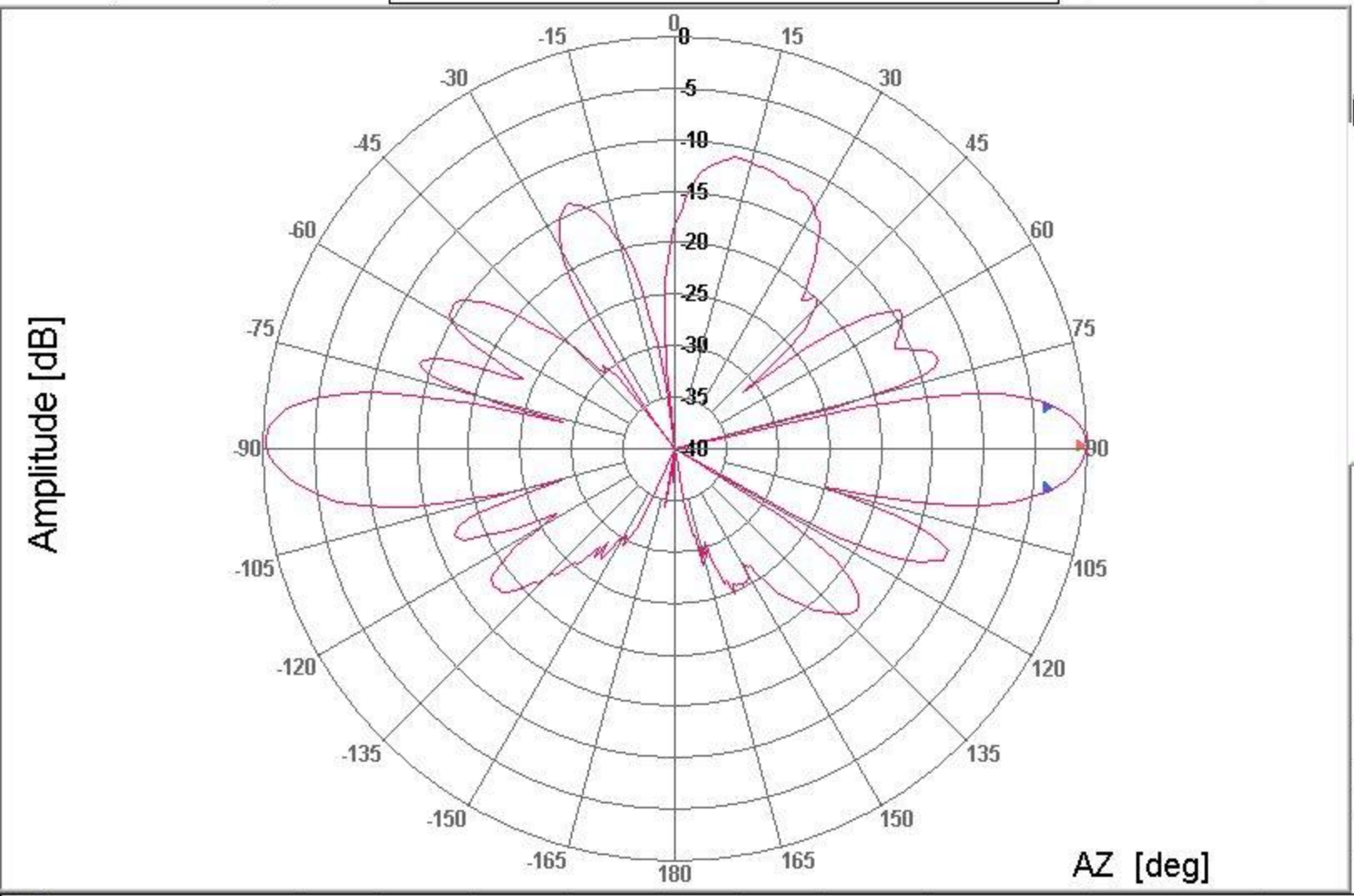
| | |
|---|---|
| | Not Aligned |
| No Skirt | Normalized |
| Not Rotated | Phase wrapped |
| Ends Not Connected | Log. Display |

| A | P | File Name | | | Freq. [GHz] | AZ [deg] | Ch. | Beam | Switch | Beam Peak [dB] Value | [deg] | | Beam Width [deg] Value | At dB | | Null Depth [dB] Value | [deg] | | GainA dBi |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | \WO55-MIMONHFT9 H-plane-CAL.n | | | 5.500 G | 90.50000 | CH1 | | | 9.21 | 36.50 | P | N/A | 3.00 | P | | | | 9.33 |

Operator: MARS

# MA-WO55-MIMONHFT9 E-plane

MARS ANTENNAS & RF SYSTEMS
MARS ANTENNAS RANGE




Side lobes | Database | Ax.Ratio

Side Lobes

| No. | Ampl | Deg |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Ampl. Color

Visible Section

☒ Amplitude [dB]
☐ Phase [deg]

| | |
|---|---|
| | Not Aligned |
| No Skirt | Normalized |
| Not Rotated | Phase wrapped |
| Ends Not Connected | Log. Display |

| A | P | File Name | | | Freq. [GHz] | ROLL [deg] | Ch. | Beam | Switch | Beam Peak [dB] Value | [deg] | | Beam Width [deg] Value | At dB | | Null Depth [dB] Value | [deg] | | GainA dBi | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | \WO55-MIMONHFT9 E-plane-CAL.n | | | 5.500 G | 30.00000 | CH1 | | | 9.61 | 89.50 | P | 12.32 | 3.00 | P | | | | 9.61 | | |