

**5 GHz MIMO Base Station Antenna, 90°**

**MA-WD55-MIMOFT16**



**Specifications:**

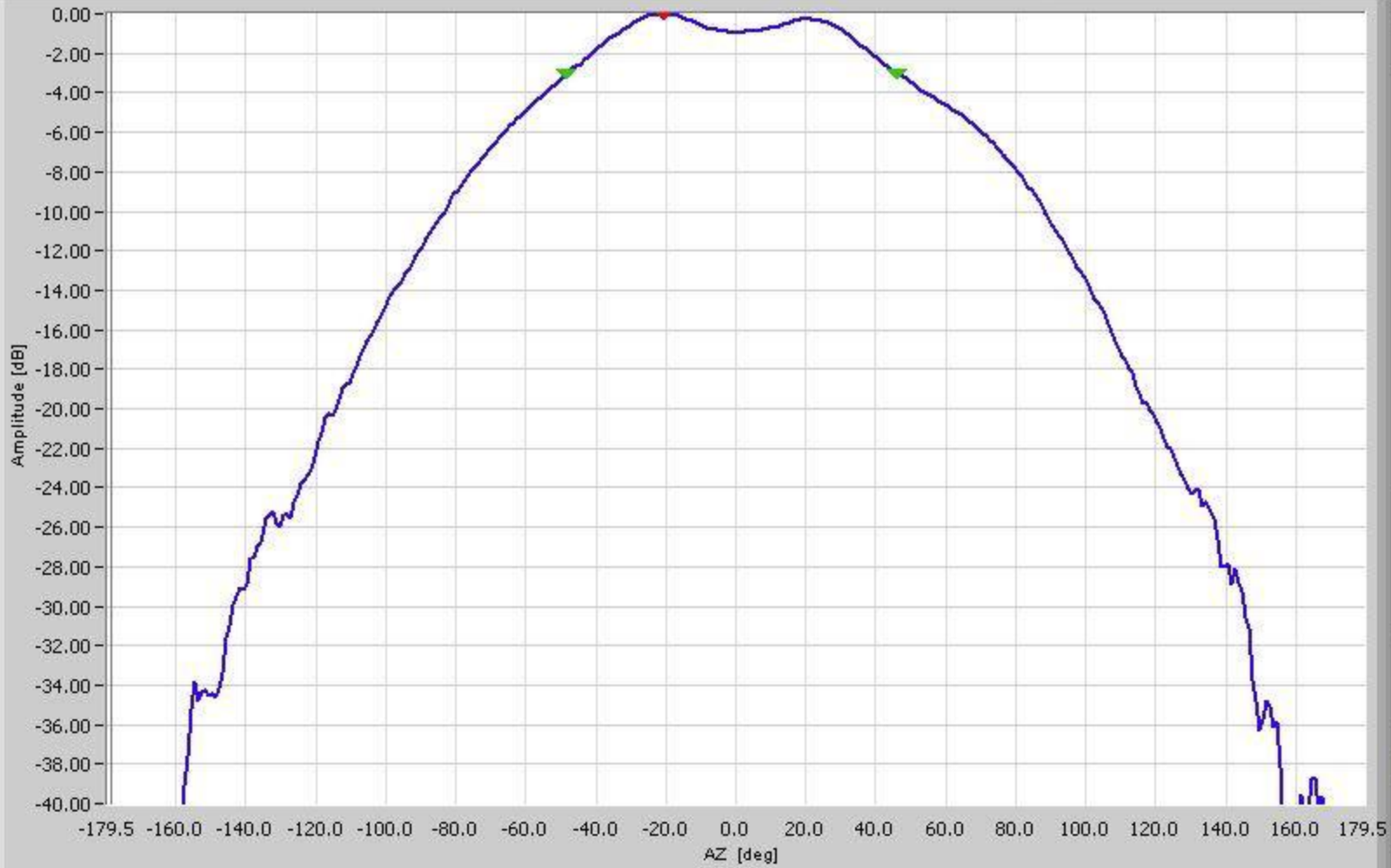
<i>Electrical</i>	
Frequency range	4.9 – 6.1 GHz
GAIN, typ.	3 x 16 dBi
VSWR, max.	1.8 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	8°
Side Lobes, min.	ETSI EN 302 085 V1.2.3 – CS1
Cross Polarization, min.	ETSI EN 302 085 V1.2.3 – CS1
Front to Back Ratio, min.	ETSI EN 302 085 V1.2.3 – CS1
Input power, max	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
<i>Mechanical</i>	
Dimensions (HxWxD)	400 x 300 x 50 mm
Weight	2.5 Kg.
Connector	3 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-22 (Not included)
<i>Environmental</i>	
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)
<i>Standard Compliance</i>	
ETSI EN 302 085 V1.2.3 – CS1	

Specifications subject to change without notice

Operator: MARS

# MA-WD55-MIMOFT16 H-Plane

MARS ANTENNAS & RF SYSTEMS  
MARS ANTENNAS RANGE



Side lobes Database Az. Ratio

No.	Ampl	Deg

AZ [deg]

Amplitude [dB]

Phase [deg]

- Amplitude [dB]
- Phase [deg]
- Not Aligned
- Normalized
- Phase wrapped
- Log Display
- No Skirt

MA-WD55-MIMOFT16 SI -178.50 -47.42

A	P	File Name	POL [deg]	Freq. [GHz]	ROLL [deg]	Ch.	Beam	Switch	Beam Peak [dB]		Beam Width [deg]		Null Depth [dB]		GainA dBi
									Value	[deg]	Value	At dB	Value	[deg]	
		IA-WD55-MIMOFT16 SN 153-CAL.nf	0.00	5.500 G	0.00	CH1			16.56	-20.50	P	93.84	3.00	P	16.56

