

**5.125–6.1 GHz Triple Polarizations MIMO Subscriber Antenna
MA-WA55-MIMOFT**



Specifications:

<i>Electrical</i>	
Frequency range	5.125 - 6.1 GHz
GAIN : Vertical Pol.	19 dBi
Dual Slant Pol	17.5 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Slant $\pm 45^\circ$ and Vertical
3 dB Beam-Width-Azimuth, typ.	Dual Slant : 20° ; V- Pol 22°
3 dB Beam-Width-Elevation, typ.	Dual Slant : 19° ; V- Pol 14°
Side Lobes, min.	-12 dB
Front to Back Ratio, min.	-35 dB
Input power, max	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded
<i>Mechanical</i>	
Dimensions (HxWxD)	305 x 305 x 15 mm
Connector	3 x N-Type
Weight	1.5 Kg
Mounting	MNT-22
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation.
<i>Environmental</i>	
Operating Temperature Range	- 55°C to + 65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4,EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

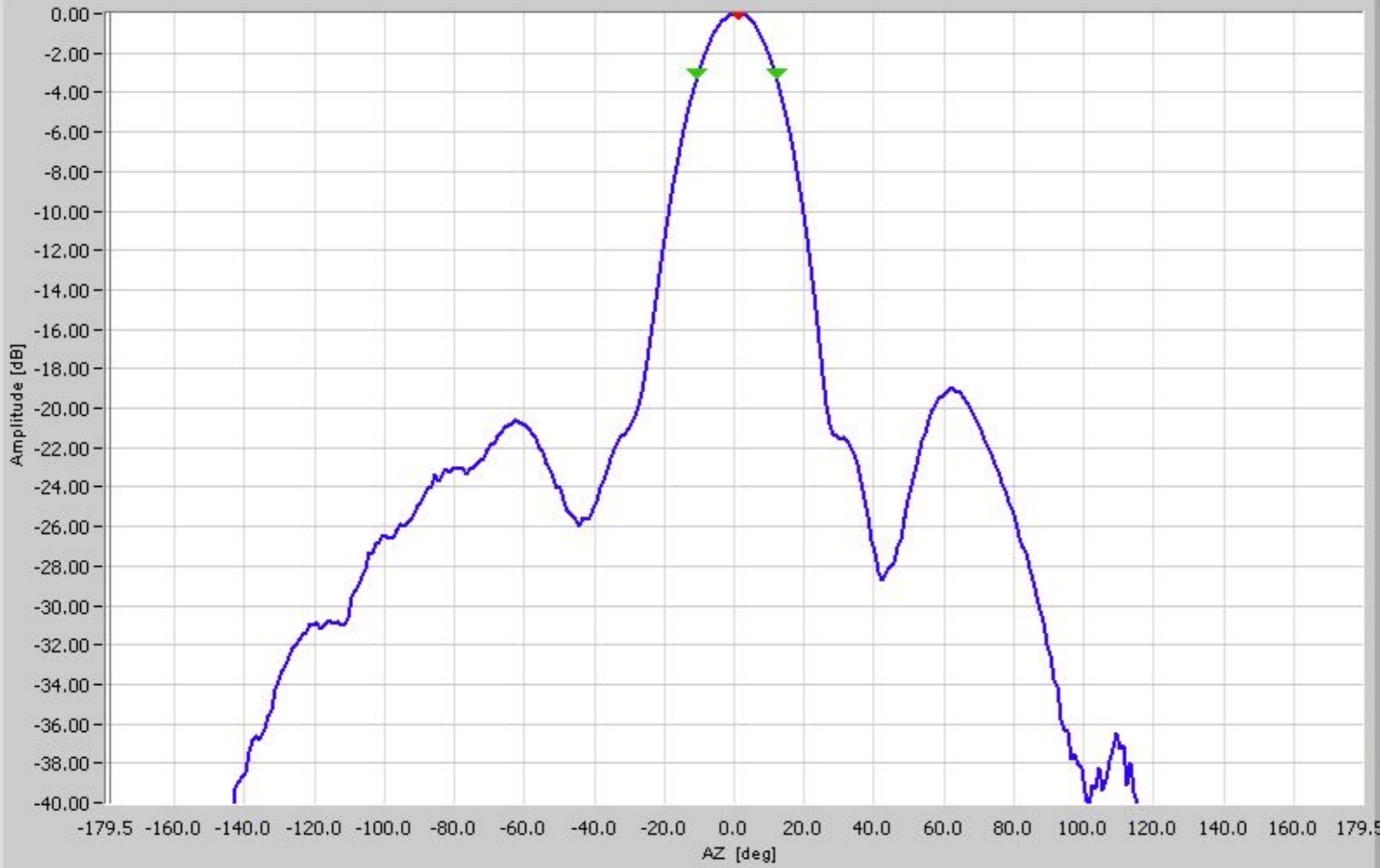
Specifications subject to change without notice

Operator: MARS

MA-WA55-MIMO H-plane Vertical pol.

Date 02/03/2009 16:21

MARS ANTENNAS & RF SYSTEMS
MARS ANTENNAS RANGE VERTICAL



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-W555-PROXMON Ve -178.50 -59.13

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]	P	Value	At dB	P	Value	[deg]	Value	[deg]			
		35-PROXMON Vertical with radome-(0.00	5.500 G	0.00	CH1	19.02	1.50	P	21.96	3.00	P			19.08				