

MA-WC2458-2H

2.4-2.5 GHz & 5.15-5.875 GHz Dual Band Small Sector Antenna, 60°

MARS Dual Band Sector antenna provides coverage of 2.4 to 2.5 GHz & 5.15 to 5.875 GHz in a single antenna radome.

Additional Features:

- Wide coverage.
- Light weight and durable construction.
- UV protected radome made of polycarbonate.



Specifications

Electrical

Frequency range	2.4-2.5 GHz & 5.15-5.875 GHz
GAIN, typ.	2 x 7.5 dBi
VSWR, max.	1.8 : 1
Polarization	Dual Slant $\pm 45^\circ$
3 dB Beam-Width, H-Plane, typ.	70° @ 2.4-2.5 GHz; 65° @ 5.15-5.875 GHz
3 dB Beam-Width, E-Plane, typ.	65° @ 2.4-2.5 GHz; 60° @ 5.15-5.875 GHz
Input power, max.	20 Watt
Input Impedance	50 Ohm

Mechanical

Dimensions (W x L x H)	200 x 200 x 33 mm (7.9" x 7.9" x 1.25")
Connector	See ordering options
Weight	400 gr.
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Water Proofing	IP-67
Mount	See ordering options

Environmental

Operating Temperature Range	-40°C to +70°C
Vibration	According to IEC 60721-3-4
Flammability	UL94
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)

Ordering Options

MA-WC2458-2H	Antenna 2 x Coaxial Cable RG 316 with RPSMA Male, wall mountable
MA-WC2458-2H2	Antenna 2 x Coaxial Cable RG 316 with N-Type Male with provision for Az/EI adjustable for MNT-22 mount
MA-WC2458-2H2B	Antenna 2 x Coaxial Cable RG 316 with N-Type Male with MNT-22 mount

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

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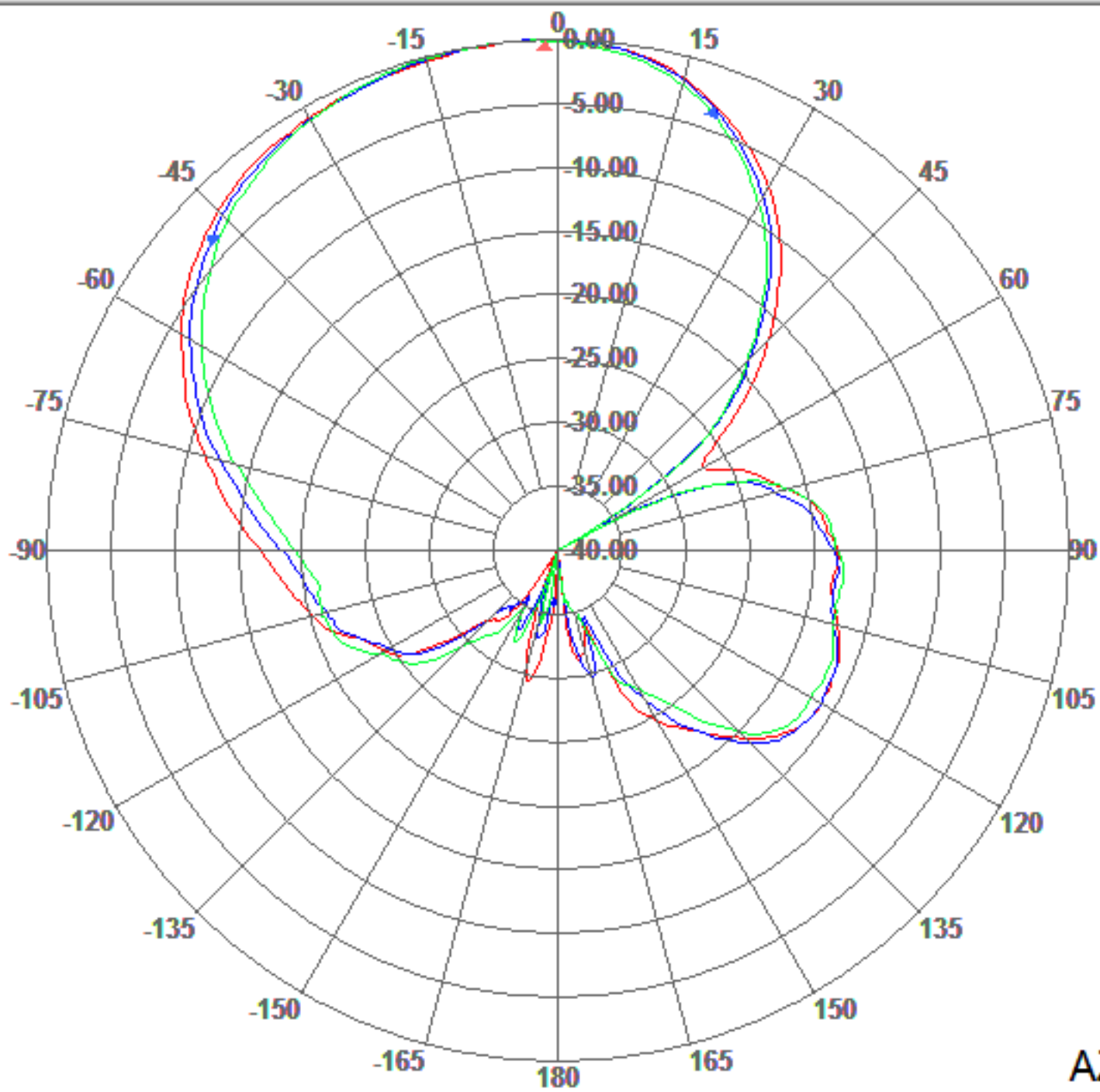
Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com

MARS

MA-WC2458-2H E-plane

Date 18-May-22 5:42 PM

MARS ANTENNAS & RF
SYSTEMS
MARS ANTENNAS RANGE



Amplitude [dB]

AZ [deg]

Side lobes

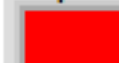
Database

Ax.Ratio

Side Lobes

[illegible]

Ampl. Color



Visible Section

☐ Amplitude [dB]

Phase [deg]

Not Aligned

No Skirt

Normalized

Not Rotated

Phase wrapped

Ends Not Connected

Log. Display

[illegible]

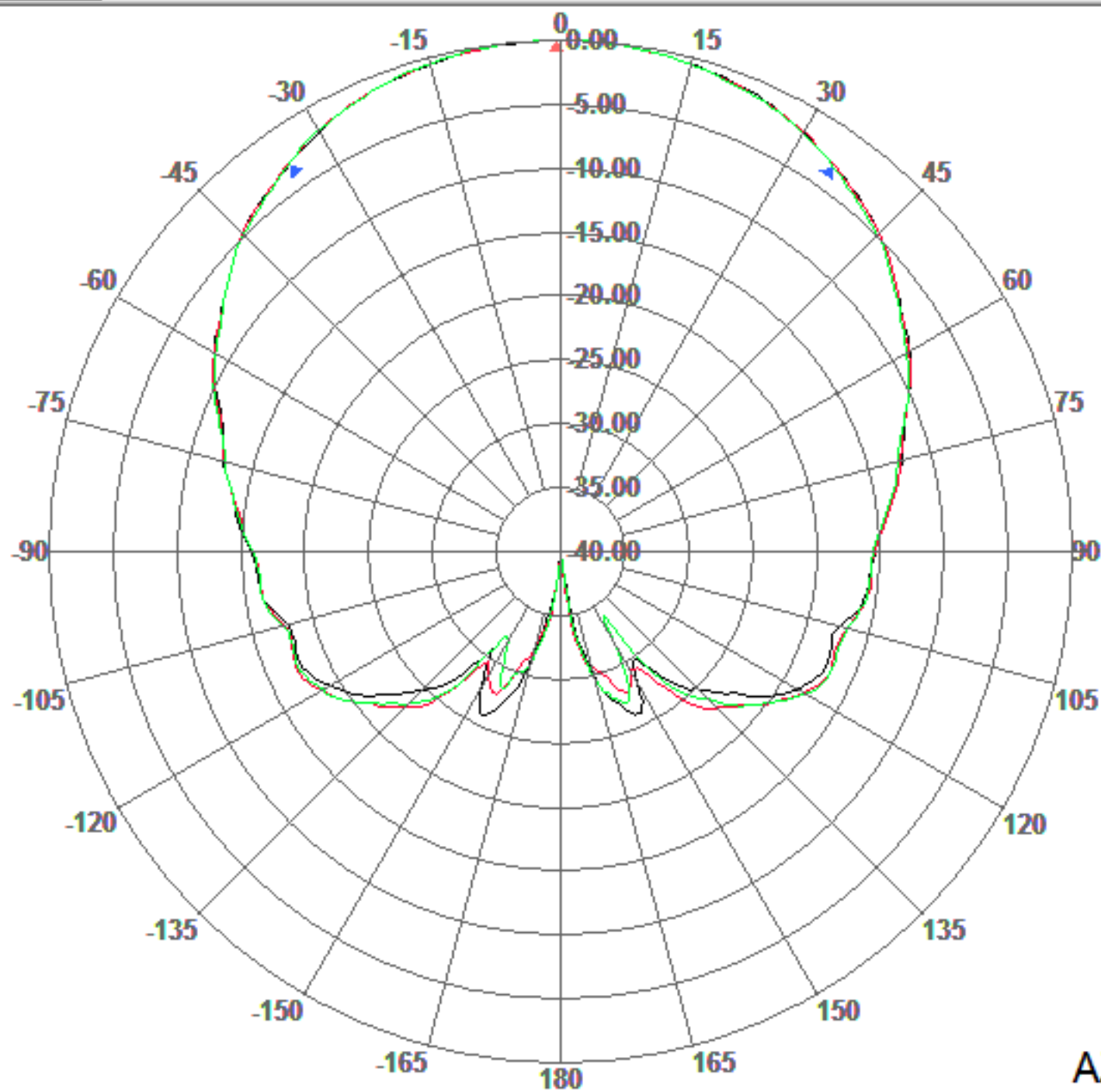
Operator: MARS

MA-WC2458-2H H-plane

Date 19-May-22 9:33 AM

MARS ANTENNAS & RF
SYSTEMS
MARS ANTENNAS RANGE

Amplitude [dB]



AZ [deg]

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

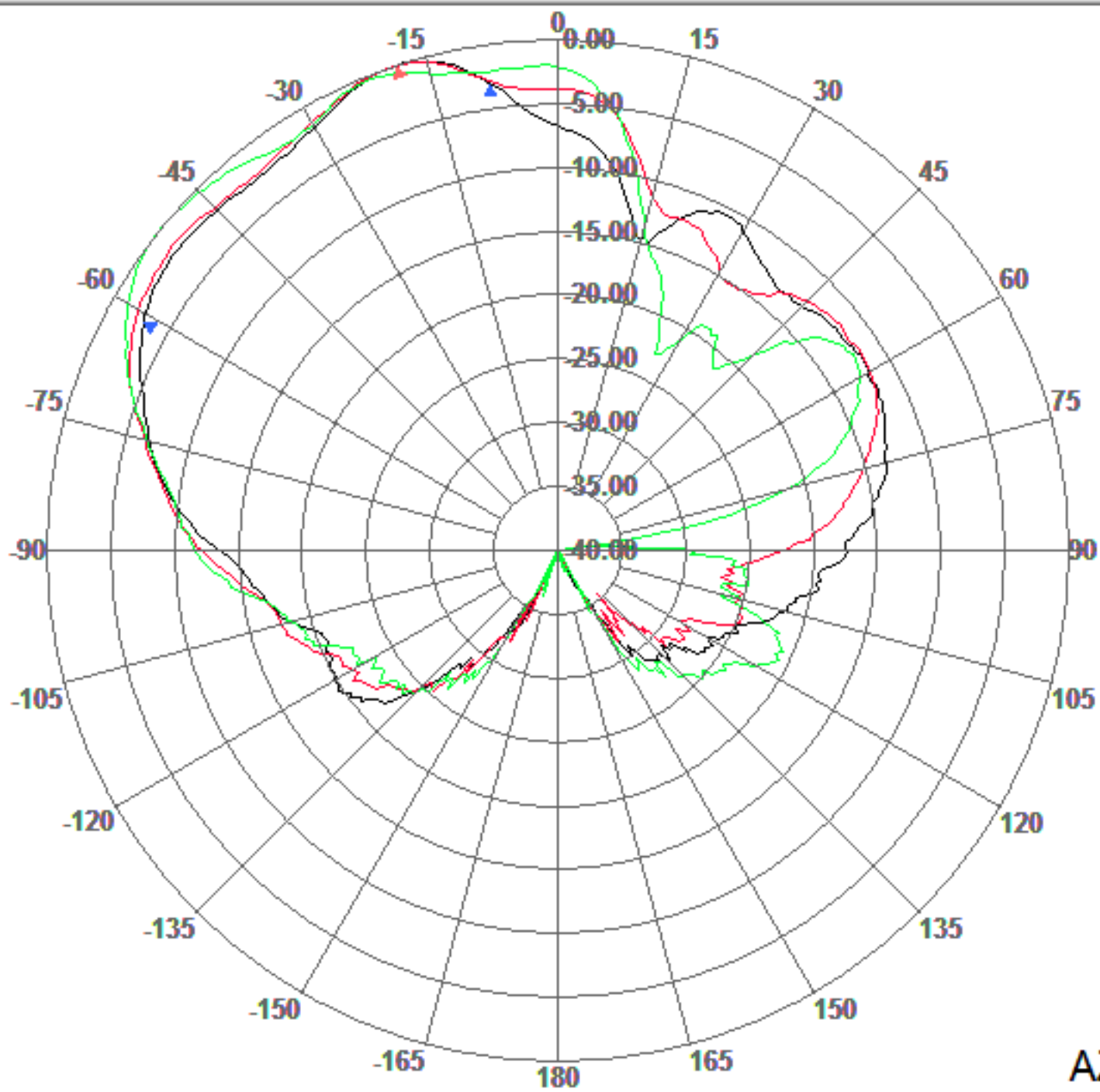
A	P	File Name	Freq. [GHz]	Ch.	Beam	Switch	Beam Peak [dB]			Beam Width [deg]			Null Depth [dB]		Gain dBi		
							Value	[deg]	P	Value	At dB	P	Value	[deg]			
		c.-WC2458-2H (I) H-plane.nff-CAL.n	2.400 G	CH1			6.46	-0.50	P	70.25	3.00	P			6.46		
		c.-WC2458-2H (I) H-plane.nff-CAL.n	2.450 G	CH1			6.83	-2.50	P	70.68	3.00	P			6.83		
		c.-WC2458-2H (I) H-plane.nff-CAL.n	2.500 G	CH1			6.47	0.50	P	70.01	3.00	P			6.47		

MARS

MA-WC2458-2H E-plane

Date 18-May-22 5:05 PM

MARS ANTENNAS & RF
SYSTEMS
MARS ANTENNAS RANGE



Amplitude [dB]

AZ [deg]

Side lobes

Database

Ax.Ratio

Side Lobes

No.

Ampl

Ampl. Color

Visible Section

☐ Amplitude [dB]

Phase [deg]

Not Aligned

No Skirt

Normalized

Not Rotated

Phase wrapped

Ends Not Connec

Log. Display

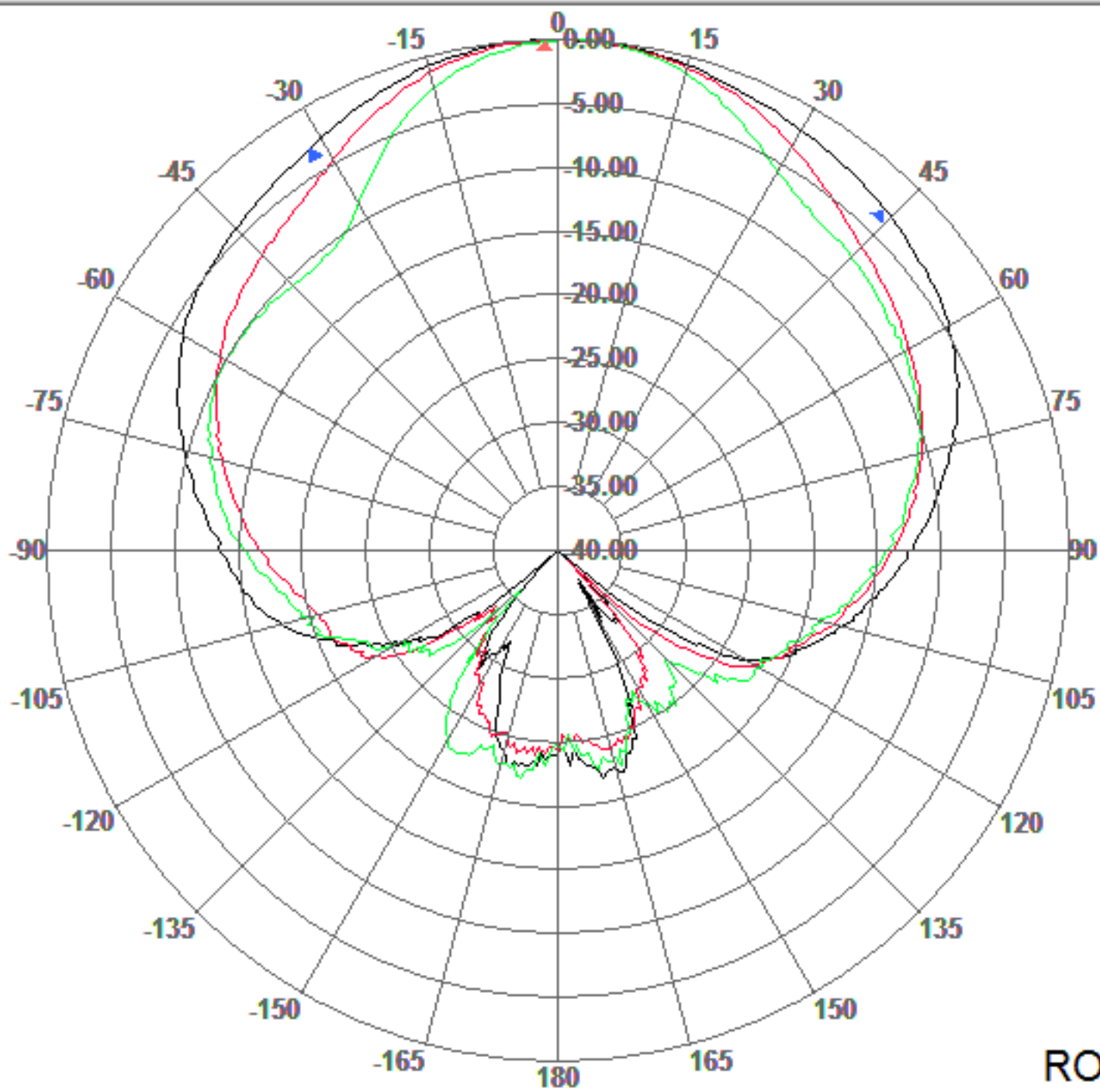
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MARS

MA-WC2458-2H H-plane

Date 18-May-22 5:05 PM

MARS ANTENNAS & RF
SYSTEMS
MARS ANTENNAS RANGE



Amplitude [dB]

ROLL [deg]

Side lobes

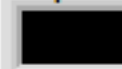
Database

Ax.Ratio

Side Lobes

[illegible]

Ampl. Color



Visible Section

☐ Amplitude [dB]

Phase [deg]

Not Aligned

No Skirt

Normalized

Not Rotated

Phase wrapped

Ends Not Conne

Log. Display

[illegible]