INSTRUCTION MANUAL MS-MBA-4-F2

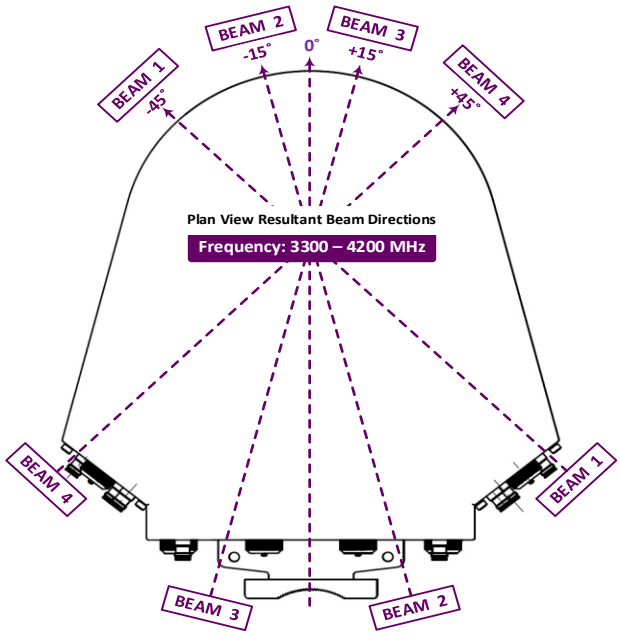
TABLE OF CONTENTS:

Revision History:

Date	Description	Revised by	Revision nos.
27-Feb-24	To Include RET Operations/Information & Add in RET Serial nos. Sticker on the Antenna Backshell	Ray Ling	1

1.00 BEAMS & CONNECTORS:

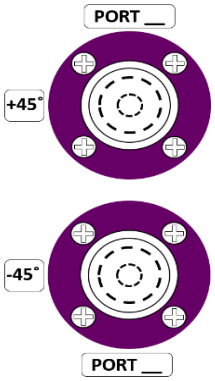
1.10 Plan View Resultant Beam Layout



1.20 Connector Port Table

Connector Port Table			
BEAM 4	**BEAM 3**	**BEAM 2**	**BEAM 1**
Port 7 (+45˚)	Port 5 (+45˚)	Port 3 (+45˚)	Port 1 (+45˚)
Port 8 (-45˚)	Port 6 (-45˚)	Port 4 (-45˚)	Port 2 (-45˚)

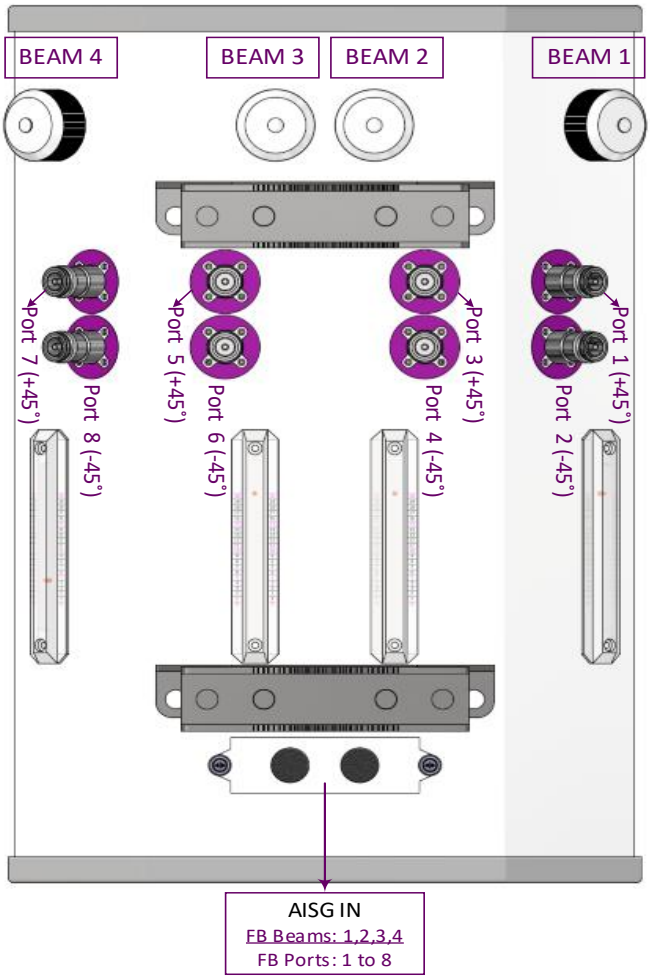
1.30 Connector Detail



1.40 Connector Layout

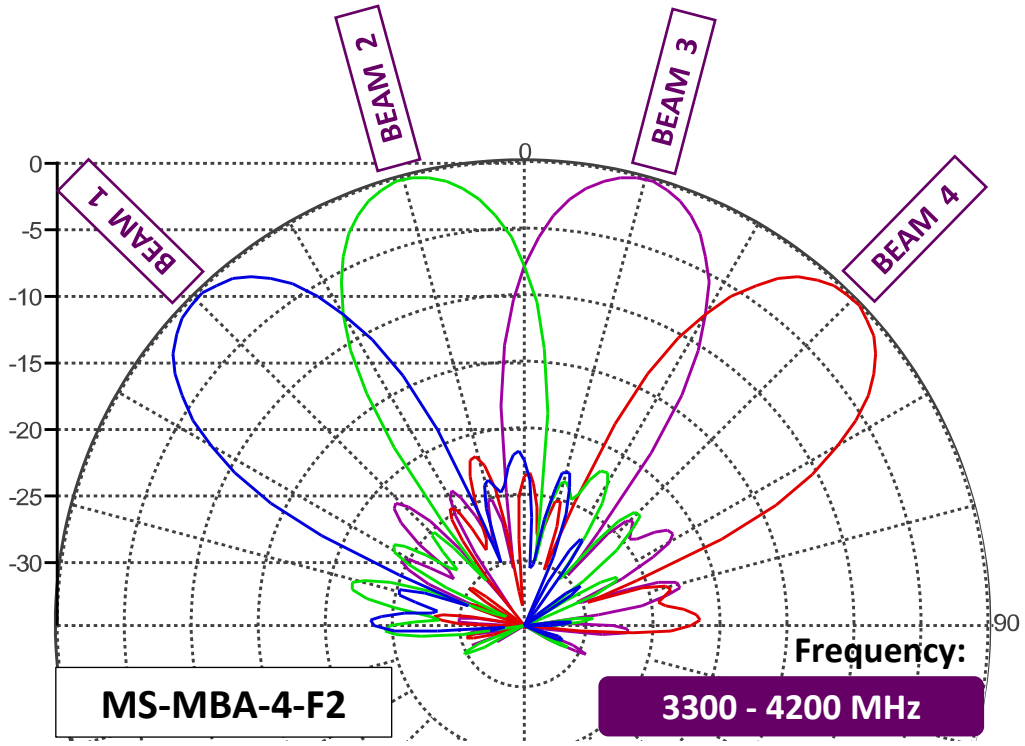
MS-MBA-4-F2

REAR VIEW CONNECTOR LAYOUT

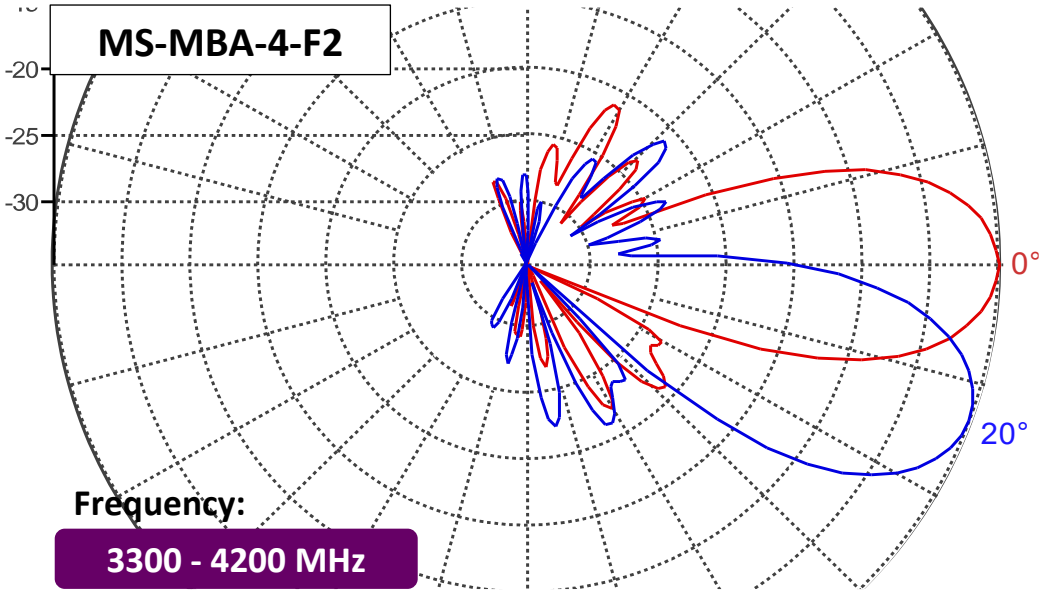


2.00 PATTERN DIAGRAM

2.10 Horizontal Pattern



2.20 Vertical Pattern

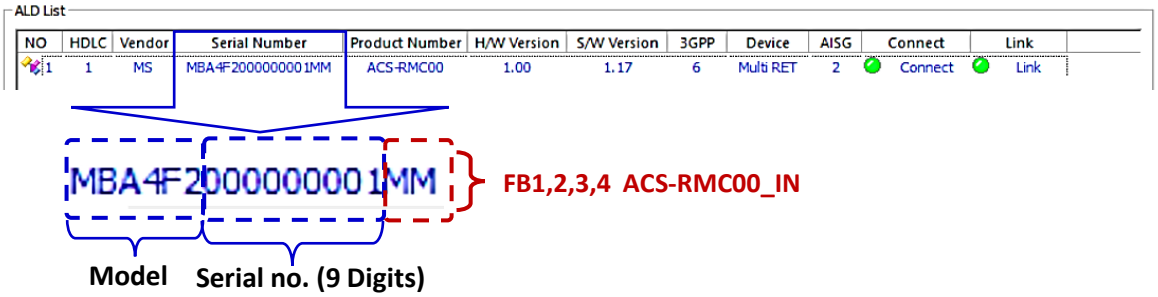


3.00 RET Operations / Information

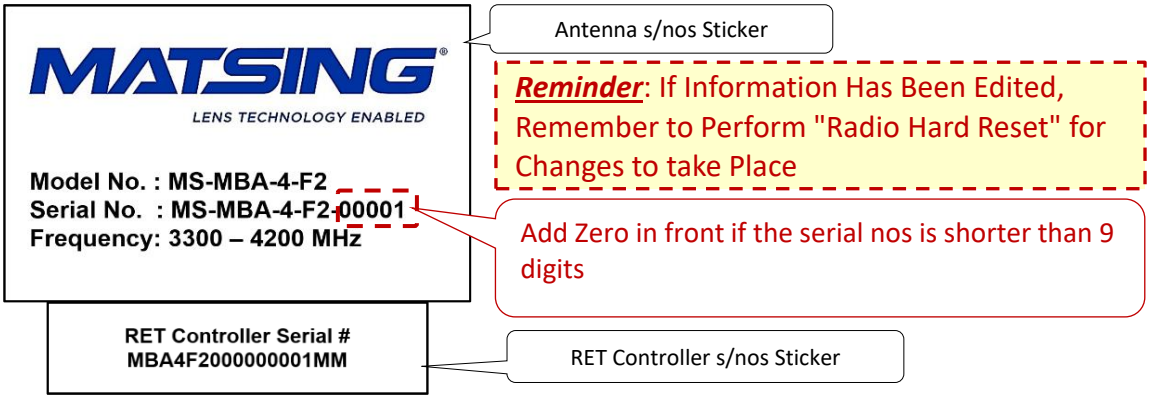
A standard AISG 2.0 compliant cable (not included) is used to connect the MDCU to the AISG interface control. Once connected, use an AISG 2.0 compliant Control software to perform a Sub Unit SCAN to identify the RET Elements.

3.10 Display & Information Reference

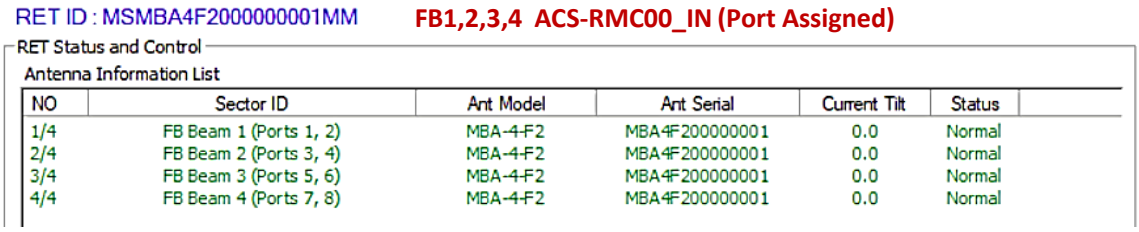
(Example of Antenna Unit s/n 1)



3.20 Model & S/N Reference From Label



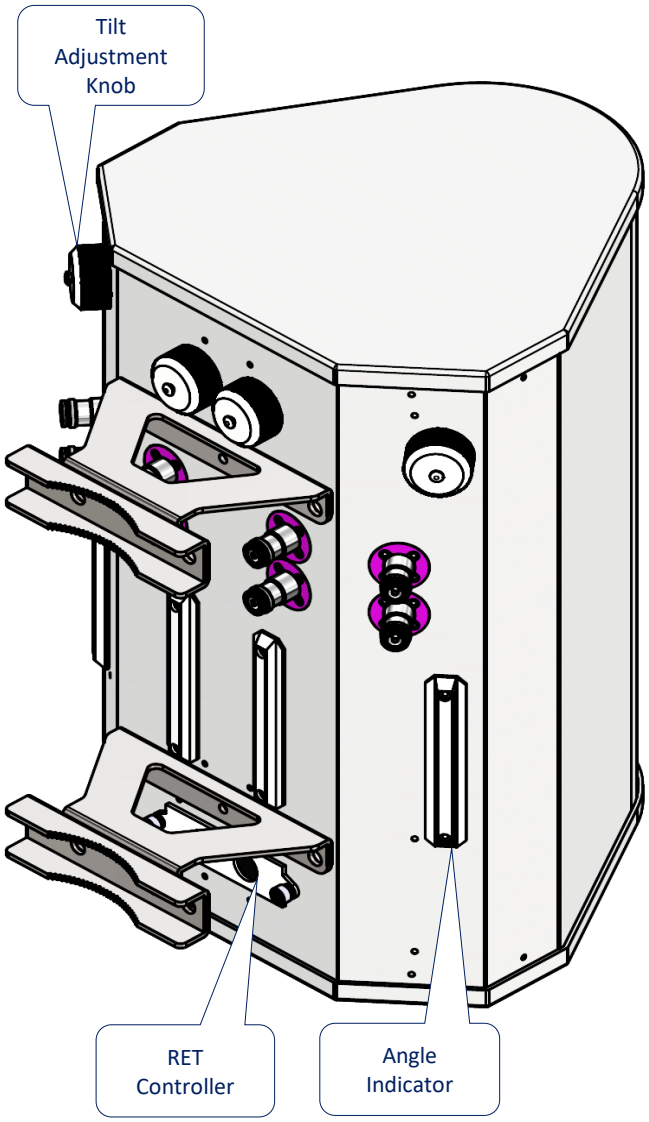
3.30 Beam Nos & Port Nos Display



NO	Sector ID	Ant Model	Ant Serial	Current Tilt	Status
1/4	FB Beam 1 (Ports 1, 2)	MBA-4-F2	MBA4F200000001	0.0	Normal
2/4	FB Beam 2 (Ports 3, 4)	MBA-4-F2	MBA4F200000001	0.0	Normal
3/4	FB Beam 3 (Ports 5, 6)	MBA-4-F2	MBA4F200000001	0.0	Normal
4/4	FB Beam 4 (Ports 7, 8)	MBA-4-F2	MBA4F200000001	0.0	Normal

4.00 MANUAL TILT ADJUSTMENT

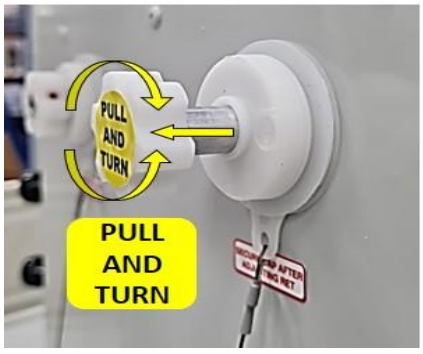
1	The MBA antenna come in RET mode as default, but if needed can also be manually adjusted. To do so, please unscrew the waterproof cap behind the element whose tilt is to be adjusted.
2	By Default the knob is on engaged mode, pull out the handle for manual tilt adjustment, turn the handle to change the tilt.
3	When done, push the handle back in, screw the waterproof cap back to the position.



Unscrew/Screw the cap for tilt adjustment process

Engaged with internal RET motor position

Pull handle out to disengaged RET for tilt adjustment

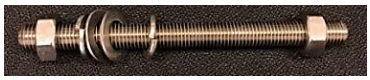


5.00 BRACKET INSTALLATION

5.10 Bolts & Nuts Requirements

Bracket	Bolts		Nuts	
Qty	Size	Qty	Size	Qty
2	M12 x 200mm	4	M12	10

5.11 Bolts & Nuts



5.12 Bracket

5.20 Tools Requirement

5.21 Adjustable Spanner

5.22 M12 Spanner

5.30 Bracket Spacing & Installation Sample